

**PROJECT MANUAL
BOOK ONE**

**MOUNT TORO
GROUNDING PROJECT**

**PROJECT NO. 5108
BID PACKAGE NO. 10360**

DATE: June 29, 2012

**County of Monterey
Department of CONTRACTS & PURCHASING
168 W Alisal St FL3 Salinas CA 93905
Phone (831) 755-4990**

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PROJECT CONTACTS

OWNER

COUNTY OF MONTEREY
ATTN: MICHAEL DERR, CONTRACTS/PURCHASING OFFICER
168 W. ALISAL ST., 3RD FLOOR
SALINAS, CA 93901
TELEPHONE: (831) 755-4990
FACSIMILE: (831) 755-4969
EMAIL: DerrM@co.monterey.ca.us

ARCHITECT OF RECORD:

COUNTY OF MONTEREY DEPARTMENT OF INFORMATION TECHNOLOGY,
TELECOMMUNICATIONS DIVISION
ATTN: MIKE PEREZ, PROJECT MANAGER
1590 MOFFETT ST.
SALINAS, CA 93905 OR 93905
TELEPHONE: (831) 759-6908
EMAIL: PerezM4@co.monterey.ca.us

PROJECT BIDDING COORDINATOR (for all questions pertaining to this bid package, email or fax are preferable):

Kristen Aldrich, County Contracts/Purchasing
168 W. Alisal St., 3rd Floor
Salinas, CA 93901
aldrichk@co.monterey.ca.us
Fax (831) 755-4969

SIGNATURE PAGE

MOUNT TORO GROUNDING
20600 CORRAL DE CIELO
SALINAS CA 93908
PROJECT NO. 5108
BID PACKAGE NO. 10360

The provisions contained herein have been prepared and reviewed by the following:

COUNTY OF MONTEREY:

**INFORMATION TECHNOLOGY
DEPARTMENT**

MICHAEL R. DERR
CONTRACTS/PURCHASING OFFICER

DIANHA NEFF
DIRECTOR OF INFORMATION
TECHNOLOGY

Project Manager:

MIKE PEREZ
Telecommunications PM

COUNTY COUNSEL:
Reviewed as to form and legality

AUDITOR-CONTROLLER:

CYNTHIA HASSON
Deputy County Counsel

GARY GIBONEY
Chief Deputy Auditor-Controller

RISK MANAGEMENT:
Approved as to indemnity/insurance
language.

STEVEN F. MAUCK
Risk Manager

**NOTICE TO CONTRACTORS INVITING FORMAL BIDS
AND ADVISING OF MANDATORY PRE-BID MEETING**

**COUNTY OF MONTEREY
DEPARTMENT OF INFORMATION TECHNOLOGY
TELECOMMUNICATIONS DIVISION**

**PROJECT NO. 5108 BID NO. 10360
MOUNT TORO GROUNDING**

NOTICE IS HEREBY GIVEN that the County of Monterey invites qualified contractors to submit sealed bids for the above project. Bids must be received and date-and-time stamped in the Office of the Clerk of the Board of Supervisors/168 West Alisal St., 1st Flr/Salinas CA 93901, **no later than JULY 23, 2012 2:30 PM** at which time the bids will be opened and publicly read aloud by the Contracts/Purchasing Agent in the Clerk of the Board's Conference Room 1032.

A MANDATORY BIDDERS' MEETING with County's Project Manager is scheduled for July 6TH, at 9 a.m. at MOUNT TORO, 20600 CORRAL DE CIELO SALINAS CA 93908.

The bidder shall possess a valid Class A Contractor's License, Harris and/or Motorola R56 certifications at the time this contract is awarded.

Each bid shall be in accordance with the drawings, plans, specifications, and subject to all Special Provisions/Conditions, General Conditions, and other contract documents prepared by the County, and shall be submitted on the bid form prescribed by the County including the required Bidder's Bond. The County of Monterey reserves the right to reject any or all bids or to waive any irregularities or informalities in any bids or in the bidding. No bidder may withdraw his bid for a period of sixty (60) days after the opening of bids without the written consent of the County of Monterey.

The general work consists of installation of a grounding ring around the building and tower, and connection of every metallic structure surrounding the site to the ring to maintain equal potential. A single-point grounding scheme is required for the site to reduce circulating current, unwanted surges, and lightning from entering the building damaging the equipment.

Determination of the lowest responsible bidder will be based upon the base bid

Interested parties may examine or purchase the project manual, specifications, drawings, and contract documents at the County of Monterey Contracts/Purchasing Office located at 168 W. Alisal St., 3rd Floor, Salinas, CA 93901, (831) 755-4990. Alternately, the Contract Documents will be made available ELECTRONICALLY and can be downloaded for free by going through the Monterey County website: <http://www.co.monterey.ca.us/admin/solicitcenter.htm>

Plan holders must register before they can view or download the documents. A copy of the electronic files on compact-disc (CD) is also available at the County of Monterey

DIVISION 00100 NOTICE TO CONTRACTORS

PROJECT 5108,BID 10360
MOUNT TORO GROUNDING
20600 CORRAL DE CIELO
SALINAS CA 93908

:
Page 2 of 2

Contracts/Purchasing Office located at 168 W. Alisal St., 3rd Floor, Salinas, CA 93901 for a nonrefundable fee of \$5.00 (cash or checks only, no credit cards accepted). The electronic files can be used to print the project plans (full or half size), project specifications, and other such documents at various printing companies.

Copies of the prevailing rate of per diem wages are on file and shall be made available to any interested party on request in the Department of Contracts and Purchasing Office located at 168 West Alisal Street FL3, Salinas CA 93901. It shall be mandatory upon the Contractor to whom the contract is awarded, and upon any subcontractor under him, to pay not less than said specified rates to all workers employed by them in the execution of the contract.

A bidder's bond issued by an admitted corporate surety company in an amount equal to at least ten percent of the total amount bid, must accompany the bid. A blank Bidder's Bond form is attached to the proposal.

For the selected contractor, a payment bond and a performance bond, each in the amount of 100% of the Contract, are required.

Pursuant to Public Contract Code section 22300, the Contractor may substitute securities for any moneys withheld by the County to ensure performance under the contract.

Bidders must comply with the provisions of Monterey County Code Section 5.08.120, requiring a good-faith effort to hire qualified individuals who are residents of the Monterey Bay Area as defined.

Date: JUNE 26TH 2012

Mike Derr. Contracts/Purchasing Officer

INFORMATION FOR BIDDERS

**Project Name:
MOUNT TORO GROUNDING
PROJECT NO. 5108 BID NO. 10360**

1. Invitation to Submit Bids

The County of Monterey invites bids to be submitted at such time and place as is stated in the Notice to Contractors Inviting Formal Bids. This "Information to Bidders" is intended to assist bidders in the preparation of their bids. If there is any inconsistency between the terms herein and any of the other contract documents, the terms in the other contract documents shall prevail.

2. Examination of Site, Bidding and Contract Documents

Interested parties may examine or purchase the project manual, specifications, drawings, and contract documents at the County of Monterey Contracts/Purchasing Office located at 168 W. Alisal St., 3rd Floor, Salinas, CA 93901, (831) 755-4990. Alternately, the Contract Documents will be made available ELECTRONICALLY and can be downloaded for free by going through the Monterey County website: <http://www.co.monterey.ca.us/admin/solicitcenter.htm>

Plan holders must register before they can view or download the documents. A copy of the electronic files on compact-disc (CD) is also available at the County of Monterey Contracts/Purchasing Office located at 168 W. Alisal St., 3rd Floor, Salinas, CA 93901 for a nonrefundable fee of \$5.00 (cash or checks only, no credit cards accepted). The electronic files can be used to print the project plans (full or half size), project specifications, and other such documents at various printing companies.

Each bidder shall visit the site of the proposed work and become fully acquainted with the conditions relating to the construction and labor in order to understand fully the facilities, difficulties, and restrictions attending the execution of the work under the contract. Bidders shall thoroughly examine and be familiar with the plans, specifications, working details, and existing conditions. The failure or omission of any bidder to receive or examine any contract documents, form, instrument, addendum, or other document or to visit the site and become acquainted with conditions there existing shall in no way relieve such bidder from obligations with respect to such bid or to the contract. The submission of a bid shall be taken as prima facie evidence of compliance with this section.

3. Mandatory Bidder's Walk Through

A mandatory bidder walk-through is required. A qualified representative of the bidder's firm must attend at the stated time and place. Failure to attend will be cause for rejection of the bid. Any bid received from a bidder who did not fully attend the mandatory walk-through at the stated time and

place will be returned unopened.

A MANDATORY BIDDERS WALK-THROUGH IS SCHEDULED FOR: *FRIDAY, JULY 6, 2012 AT 9AM* – at MOUNT TORO, 20600 CORRAL DE CIELO SALINAS CA 93908

Interested bidders must register no later than July 5th at 12:00 p.m. with Kristen Aldrich via telephone at 831-755-4995 or via e-mail at Aldrichk@co.monterey.ca.us. This is a secure location. All attendees must be escorted by County staff. Prompt attendance is required; late-comers will not be accommodated.

4. Contractor's License

Each bidder must be licensed to perform the project in accordance with the provisions of the Contractors' State Licensing Law, Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code, and in accordance with the Notice to Contractors Inviting Formal Bids. The Contractor's license number and expiration date of the license shall appear on the bid. The classification of the Contractor's License required for this project is "A." The bidder shall additionally possess a Harris and/or Motorola R56 certifications at the time this contract is awarded.

5. Preparation of Bid Form

All bids must be submitted on the prescribed form. All blanks in the bid form must be appropriately filled in, and all prices must be stated in both words and figures, with the lump sum for which the bid is made. All bids must be submitted in sealed envelopes bearing on the outside the bidder's name and address, the name of the project, the bid date and time, and the bid package number for which the bid is submitted. It is the sole responsibility of the bidder to see that the bid is received in proper time. Any bid received after the scheduled closing time for receipt of bids will be returned to the bidder unopened.

6. Erasures

The bid submitted must not contain any erasures, interlineations, or other corrections unless each such correction is suitably authenticated by affixing in the margin immediately opposite the correction the surname or surnames of the person or persons signing the bid, in the named person's own handwriting.

7. Modifications

Changes in or additions to the bid form, recapitulations of the work bid upon, alternative proposals, or any other modification of the bid form which is not specifically called for in the contract documents may result in the County's rejection of the bid as not being responsive to the invitation to bid. No oral or telephonic modification of any bid submitted will be considered. A telegraphic or telefax modification may be considered.

8. Signature

The bid must be signed in the name of the bidder and must bear the signature in longhand of the person or persons duly authorized to sign the bid. An original signature is required.

9. Interpretation of Plans and Documents

If any person contemplating submitting a bid for the proposed contract is in doubt as to the true meaning of any part of the plans, specifications, or other contract documents, or finds discrepancies in or omissions from the plans and specifications, he may submit to the County a written request for an interpretation or correction thereof. The person submitting the request shall be responsible for its prompt delivery. Any interpretation or correction of the contract documents will be made only by official project Q&A (questions/answers) or addendum duly issued, and a copy of such will be posted online through the Monterey County website, www.co.monterey.ca.us/admin/solicitcenter.htm. No oral interpretation of any provision in the contract documents will be made.

10. Bidding Questions

All questions regarding the project during the bidding process must be made in writing to the attention of the designated project bidding coordinator via E-mail, postal mail, or via facsimile (fax). Ebidboard members can also post their questions directly on the project through Ebidboard.com. Contact information is available through the County of Monterey website

www.co.monterey.ca.us/admin/solicitcenter.htm. No telephone or verbal questions will be accepted.

QUESTIONS RECEIVED AFTER 3:00 P.M (PST) on July 9th, 2012 WILL NOT BE ACCEPTED.

Answers to all questions and any addendum regarding the project will be posted online through the County of Monterey Website at the link in this paragraph above.

11. Bid Security

Each bid shall be accompanied by bidder's security in the form of cash, a certified or cashier's check payable to the County, or a satisfactory bid bond in the form included in this bid book (Division 00440) in favor of the County executed by the bidder as principal and a satisfactory corporate surety authorized to do business in the State of California as an admitted surety insurer, in an amount not less than ten percent (10%) of the total bid amount. The security shall be given as a guarantee that, if the contract is awarded to the bidder, the bidder will execute the contract, provide any required insurance certificates, and provide any payment and performance bonds required by the contract within ten (10) workdays after the bidder receives a Letter of Intent to Award. After ten (10) workdays, if the proper bond and insurance documents are not submitted by the low bidder, the County has the right to determine the low bidder non-responsive and contact the second lowest bidder.

12. Listing Subcontractors

Each bidder shall submit with the sealed bid a list of the proposed subcontractors on this project as

required by the Subletting and Subcontracting Fair Practices Act (Public Contract Code section 4100, et seq.). Forms for this purpose are furnished with the contract and bid documents. This includes all subcontractors performing work in an amount in excess of one-half of 1 percent of the prime contractor's total bid.

13. Prevailing Wage.

Attention is directed to Article 25 of the General Conditions. The Director of the Department of Industrial Relations has determined the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work in the locality in which this work is to be performed for each craft or type of worker needed to execute the contract. Copies of the prevailing rate of per diem wages are on file and shall be made available to any interested party on request in the County Administrative Office, Contracts/Purchasing Division located at 168 West Alisal Street, 3rd Floor, Salinas CA 93901. It shall be mandatory upon the Contractor to whom the contract is awarded, and upon any subcontractor under him, to pay not less than said specified rates to all workers employed by them in the execution of the contract.

14. Workers' Compensation Certificate.

In accordance with the provisions of Section 3700 of the Labor Code, Contractor shall secure the payment of workers' compensation to their employees. The following certificate, which such form is included as part of the contract documents, shall accompany each bid:

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

15. Good-Faith Effort to Hire Monterey Bay Area Residents

Bidders are required to complete, execute, and submit with their sealed bid a certification form relating to compliance with Section 5.08.120 which is furnished with the bid documents. Attention is directed to Part VI, Article 27, Section 27.10 of the General Conditions describing section 5.08.120 in detail. Contractors and subcontractors are referred to the provisions of Section 5.08.120 of the Monterey County Code and the rules, regulations, and procedures adopted to implement Section 5.08.120, a copy of which are on file with the County department administering the contract, with the County's Contracts/Purchasing Agent, and with the County's Equal Opportunity Officer. Section 5.08.120 may also be viewed online at <http://library.municode.com/index.aspx?clientId=16111>.

16. Bidders Interested in More Than One Bid

No person, firm, or corporation shall be allowed to make, or file, or be interested in more than one bid

for the same work unless alternate bids are specifically called for. A person, firm, or corporation that has submitted a sub-proposal to a bidder, or that has quoted prices of materials to a bidder, is not thereby disqualified from submitting a sub-proposal or quoting prices to other bidders or making a prime proposal.

17. Withdrawal of Bids

Any bidder may withdraw his or her bid either personally, by written request, or telefaxed request at any time prior to the scheduled closing time for receipt of bids.

18. Evidence of Responsibility

Upon the request of the County, a bidder whose bid is under consideration for the award of the contract shall submit promptly to the County satisfactory evidence showing the bidder's financial resources, construction experience, and organization available for the performance of the contract and upon written request shall furnish the County a complete copy of its estimate and all appropriate backup information and supporting documents. The County may utilize this information as a basis for determining that a contractor is not responsible and therefore award the contract to the next lowest responsible bidder.

19. Early Completion of Project.

If, as an express or implied condition of his bid, a bidder plans to complete the project before the completion date specified in the contract documents and the amounts bid for the work called for are dependent upon such early completion, the bidder must submit with his bid a preliminary work progress schedule in sufficient detail to permit the County of Monterey or its Architect to determine that the bidder's preliminary schedule presents a reasonable and practicable plan for performance.

(1) The preliminary schedule shall be the bidder's proposed working schedule to plan, organize, and execute the work, record and report actual performance and progress, and show how the general contractor plans to complete all remaining work as of the end of each progress report period.

(2) The preliminary schedule shall be in the form of an activity on arrow- oriented (*I-J format*) network diagram (Critical Path Method) and the principles and definition of the terms used shall be as set forth in the Associated General Contractors of America (AGC) publication.

(3) Failure to include a detailed preliminary work progress schedule with the bidder's bid shall be conclusively deemed to constitute acceptance of the County's completion date as specified in the contract documents, and the bidder shall not thereafter be entitled to damages for any delays based on an early completion date proposed by the bidder.

(4) Bidder who submits with his bid a preliminary work schedule which either (a) lacks sufficient

detail to permit the County to determine that the bidder's preliminary schedule presents a reasonable and practicable plan for performance or (b) is determined by the County or its Architect not to be a reasonable and practicable plan for performance shall be deemed non-responsive to the call for bids and his bid shall be rejected.

20. Award of Contract

The County reserves the right to reject any or all bids, or to waive any irregularities or informalities in any bids or in the bidding. The award of the contract, if made by the County, will be to the lowest responsible and responsive bidder.

21. Alternate Bids

Not applicable for this project.

22. Documents required upon receipt of Letter of Intent to Award

Within ten (10) days after the bidder receives notice a Letter of Intent to Award, the successful bidder shall, in conformity with the contract documents, submit the following documents, including the number of copies required in the Special Conditions:

- (a) Executed Agreement (Division 00500);
- (b) A performance bond and a payment bond, each in an amount equal to one hundred percent of the contract sum, issued and executed by an admitted surety insurer, authorized to transact surety insurance in California (Division 00600 and 00610);
- (c) Insurance certificates showing that the successful bidder has obtained all required insurance coverage including endorsements;
- (d) Such other documents as may be required by the contract documents.

23. Bid Security Return

The bid security shall be returned to the bidders promptly after a decision is made whether to accept a bid or reject all bids, except that if a contract award is to be made, the bid security of three or more of the lowest bidders (the number being at the discretion of the County) will be held for sixty (60) working days after notice of the award is received by the successful bidder or until the successful bidder returns the executed Agreement and posts the required bonds and certificates of insurance, whichever occurs first. If the successful bidder returns the required documents on time, all the remaining bid security will be returned.

24. Forfeiture for Failure to Execute Contract

If the bidder to whom a Letter of Intent to Award is made fails or refuses to execute the contract and post the required bonds and insurance certificates within ten (10) days from the date of receiving the Letter of Intent to Award, the County may declare the bidder's bid security forfeited as liquidated damages caused by the failure of the bidder to enter into the contract, and may award the work to the next lowest responsible and responsive bidder or may call for new bids. If the work is awarded to the next bidder, the County shall retain the remaining bid securities until such time as a new award is completed with the execution of the Agreement and the posting of bonds and certificates. If new bids will be called, all remaining bid security will be promptly returned.

25. Progress Payments and Substitution of Security

Progress payments to the Contractor will be made each calendar month on the basis of ninety five percent (95%) of the value of the work performed. The final payment will be withheld for 35 days after completion of the project. Completion as used herein is defined as the date of acceptance of the Work by the County of Monterey Board of Supervisors. Upon the Contractor's request and agreement to substitute securities for the withheld funds, monies withheld from progress payments by the County to ensure performance under the contract may be released in accordance with Public Contract Code section 22300 and the contract documents.

26. Non-Discrimination

It is the policy of the County that in connection with all work performed under contracts, there be no discrimination against any prospective or active employee engaged in the work because of race, color, ancestry, national origin, religious creed, physical disability, mental disability, medical condition (cancer related), sex, sexual orientation, age (over 40) or marital status. The Contractor agrees to comply with all applicable federal, state, and local laws and/or regulations including, but not limited to, the California Fair Employment and Housing Act, Government Code Secs. 12900 et seq., Labor Code Sec. 1735, and Monterey County Code, Title 2, Chapter 2.80. In addition, the Contractor agrees to require like compliance by any subcontractors employed on the work by the Contractor.

27. Bid Protests

Who can file a protest?

Any Bidder or any directly affected party who is aggrieved in connection with the solicitation or award of contract (ex. Subcontractor), representatives of the above (ex. Unions) may file a bid protest.

Requirements for Filing a Protest

Bidders who wish to lodge a protest as to the award of the bid must do so before 5 p.m. of the 5th business day following the notice of intent to award the contract. Failure to timely file a written protest

shall constitute a waiver of right to protest. Untimely protests will not be accepted or considered. Bid protests must be submitted, in writing, to: County of Monterey, Attn: Michael Derr, Contracts/Purchasing Officer 168 W. Alisal St., 3rd Floor Salinas, CA 93901 Protests may be hand-delivered or sent via facsimile [(831)831-755-4969], certified postal mail, or E-mail to the attention of the County Contracts/Purchasing Officer at derrm@co.monterey.ca.us Bid protests must include the project name and bid number, a complete statement describing the basis for the bid protest, including a detailed statement of all legal and factual grounds for the protest, any documentation supporting the protestor's grounds for the protest, and the form of relief requested and the legal basis for such relief. The party lodging the protest must also include their contact information including mailing address, telephone number, and E-mail address.

If a valid protest is timely filed, the Department shall investigate the bid protest. The protested party shall have three (3) business days to respond to any Department of Contracts and Purchasing requests to provide additional information.

County Response to Protests Received

The County Contracts/Purchasing Officer shall respond to the protesting party, in writing, stating its findings. The Contracts/Purchasing Officer shall submit a summary of bid protests received and make a recommendation to the Board of Supervisors regarding the bid protest(s).

BID FORM

MONTEREY COUNTY BOARD OF SUPERVISORS

MAILING ADDRESS	P O BOX 1728 SALINAS CA 93902
PHYSICAL ADDRESS	168 W. ALISAL ST 1 st FLR SALINAS CA 93901

PROJECT NO. 5108 BID NO. 10360

MOUNT TORO GROUNDING
CORRAL DE CIELO SALINAS, CA 93908

NAME OF BIDDER: _____

BUSINESS ADDRESS: _____

TELEPHONE NUMBER: _____

PLACE OF RESIDENCE: _____

BID FORM

**PROJECT NO. 5108 BID NO. 10360
MOUNT TORO GROUNDING
CORRAL DE CIELO SALINAS, CA 93908**

TO: MONTEREY COUNTY BOARD OF SUPERVISORS

1. Pursuant to and in compliance with your Notice to Contractors Inviting Formal Bids and with the other documents relating thereto, the undersigned bidder, having become familiar with the terms of the contract, the local conditions affecting the performance of the contract, the cost of the work at the place where the work is to be done, the project plans and specifications, and the other contract documents, hereby proposes and agrees to perform within the time stipulated and to provide and furnish any and all labor, materials, equipment, transportation, utilities, and services necessary to perform the contract and complete in a workmanlike manner all of the work required in connection with the above project, all in strict conformity with the drawings and specifications and other contract documents, including addenda nos. ____, ____, and ____, for the sum hereinafter stated (in the event of a discrepancy between the words and figures, the amount in words will govern):

BASE BID: NAME OF BASE BID:

_____ Dollars

(\$ _____)

2. **Determination of lowest responsible bidder** – Determination of lowest bidder will be based upon the base bid. The contract will then be awarded to the Bidder submitting the lowest amount so calculated, or else all bids will be rejected. Unit pricing provided by the bidder, if any, shall be incorporated in the Agreement and shall be the basis for calculating any costs involving changes to the work.
3. The undersigned has checked all above figures carefully and understands that the County of Monterey will not be responsible for any errors and omissions on the part of the undersigned in making this bid.
4. It is understood that the County of Monterey reserves the right to reject any and all bids or waive any informalities or irregularities in any bids or in the bidding.
5. This bid shall remain valid and will not be withdrawn by the undersigned bidder for a period of sixty (60) days from the date prescribed for opening of this bid without the written consent of the County of Monterey.

6. Attached hereto are the following:
- a.) List of proposed subcontractors;
 - b.) Non-collusion affidavit;
 - c.) Workers' compensation certificate;
 - d.) Affidavit Concerning Employment of Undocumented Aliens
 - e.) Contractor's Certification of Good-Faith Effort to Hire Monterey Bay Area Residents;
 - f.) Required bidder's security in an amount not less than 10% of the base bid amount;
 - g.) Detailed preliminary work schedule if the bidder plans to complete the project before the completion date specified in the contract documents; and
 - h.) Acknowledgment of addenda, if any.

7. If this bid is accepted by the County of Monterey, then the undersigned shall, within ten (10) working days after receipt of the Letter of Intent to Award, execute and deliver to the County of Monterey (a) a contract in the form set forth in the contract documents on which this bid is based, (b) a payment bond for public works, as required by the contract documents, and (c) a performance bond, as similarly required, and (d) an Insurance Certificate, as similarly required. The undersigned will thereafter commence and complete the work within the time required by the contract documents.

8. Notice of acceptance and any requests for additional information shall be addressed to the undersigned at the following address:

PROJECT MANAGER: MIKE A PEREZ
MONTEREY COUNTY INFORMATION TECHNOLOGY
TELECOMMUNICAITONS DIVISION
1590 MOFFETT ST
SALINAS CA 93905
TELEPHONE: (831) 759-6908 FACSIMILE: (831) 796-8508

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

_____	_____
Name	Title
_____	_____
Name	Title
_____	_____
Name	Title

(IMPORTANT NOTICE: If the bidder or other interested person is a corporation, state the legal name of the corporation, and the names of the president, secretary, treasurer, and manager thereof; if a partnership, state the name of the firm and the names of all the individual partners composing the firm;

if the bidder or other interested person is an individual, state the first and last names in full and give all fictitious names under which the individual does business.)

10. By execution of this bid, the undersigned bidder declares that he or she is a contractor licensed in accordance with the Contractors' State License Law, as follows:

Classification: _____

License number: _____

Expiration date: _____

Indicate Certification (Harris and/or Motorola R56): _____

11. In the event the bidder to whom Notice of Intent to Award Contract is given fails or refuses to post the required bonds and insurance and return the executed copies of the agreement form within ten (10) working days from the date of receiving the Notice of Intent to Award Contract, the County may declare the bidder's security forfeited as damages and contract with the second lowest bidder.

12. Pursuant to section 7103.5(b) of the Public Contract Code, in submitting a bid to the County, the bidder offers and agrees that if the bid is accepted, it will assign to the County all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act (Chapter 2 [commencing with section 16700] of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the bid. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the bidder.

Dated _____, 2012

Bidder's Business Name _____

By _____

Principal Signature _____

Principal Name (Print) _____

Principal's Title (Print) _____

By _____

Principal Signature _____

Principal Name (Print) _____

Principal Title (Print) _____

(Corporate Seal) _____

NOTE: If bidder is a corporation, the full legal name of the corporation shall be set forth above together with the signatures of authorized officers or agents and the document shall bear the corporate seal; if bidder is a partnership, the full name of the firm shall be set forth above together with the signature of the partner or partners authorized to sign

contracts on behalf of the partnership; and if bidder is an individual, his signature shall be placed above.

LIST OF SUBCONTRACTORS

MOUNT TORO GROUNDING
20600 CORRAL DE CIELO
SALINAS CA 93908
PROJECT NO. 5108
BID PACKAGE #10360

In compliance with the Subletting and Subcontracting Fair Practices Act (Chapter 4 [commencing with section 4100], Part 1, Division 2 of the Public Contract Code) and any amendments thereto, each bidder shall set forth below: (a) the name and the location of the place of business of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement to be performed under this contract 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 (b) the portion of the work which will be done by each subcontractor under this Act. The prime contractor shall list only one subcontractor for each such portion as is defined by the prime contractor in this bid. The term "portion of work" refers to the type of work.

If a prime contractor fails to specify a subcontractor or if a prime contractor specifies more than one subcontractor for the same portion of the work to be performed under the contract in excess of one-half of one percent of the prime contractor's total bid, he shall be deemed to have agreed that he is fully qualified to perform that portion himself, and that he shall perform that portion himself.

No prime contractor whose bid is accepted shall: (a) substitute any subcontractor, (b) permit any subcontract to be voluntarily assigned or transferred or allow it to be performed by any one other than the original subcontractor listed in the original bid, or (c) sublet or subcontract any portion of the work in excess of one-half of one percent of the prime contractor's total bid as to which his original bid did not designate a subcontractor, except as authorized in the Subletting and Subcontracting Fair Practices Act. Subletting or subcontracting of any portion of the work in excess of one-half of one percent of the prime contractor's total bid as to which no subcontractor was designated in the original bid shall only be permitted in cases of public emergency or necessity, and then only after a finding reduced to writing as a public record of the authority awarding this contract setting forth the facts constituting the emergency or necessity.

Bidder's Business Name

By:

Print Name

Print Title

Bidder's Business Name

DIVISION 350 LIST OF SUBCONTRACTORS
PROJECT 5108, BID #10360
MOUNT TORO GROUNDING
20600 CORRAL DE CIELO
SALINAS CA 93908
Page 4 of 4

NONCOLLUSION DECLARATION
TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID
(Public Contract Code Section 7106)

The undersigned declares:

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

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

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

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

Signature: _____

Print Name: _____

CONTRACTOR'S CERTIFICATE AS TO WORKERS' COMPENSATION
(Labor Code section 1861)

Labor Code section 3700 provides, in relevant part:

"Every employer except the state shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this state.

(b) By securing from the Director of Industrial Relations a certificate of consent to self-insure, either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees."

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

Dated: _____

Bidder's Business Name: _____

By: _____

Print Name: _____

Print Title: _____

AFFIDAVIT CONCERNING EMPLOYMENT OF UNDOCUMENTED ALIENS
TO BE SUBMITTED WITH BID

(Public Contract Code section 6101)

State of California)
) ss.
County of Monterey)

Public Contract Code section 6101 provides that,

No state agency or department, as defined in [Public Contract Code] Section 10335.7, that is subject to this code, shall award a public works or purchase contract to a bidder or contractor, nor shall a bidder or contractor be eligible to bid for or receive a public works or purchase contract, who has, in the preceding five years, been convicted of violating a state or federal law respecting the employment of undocumented aliens.

_____, being first duly sworn, deposes and says (1) that he or she is the _____ of _____, the party making the foregoing bid; and (2) that the party making the foregoing bid has not, within the preceding five years, been convicted of violating a state or federal law respecting the employment of undocumented aliens.

Dated: _____

Bidder's Business Name: _____

By: _____

Print Name: _____

Print Title: _____

Subscribed and sworn to me this _____ day of _____ 2012.

Notary Public in and for the County of

State of California

DIVISION 00420 AFFIDAVIT for UNDOCUMENTED ALIENS
PROJECT 5108, BID #10360
MOUNT TORO GROUNDING
20600 CORRAL DE CIELO
SALINAS CA 93908

Page 2 of 2

My commission expires: _____ [Notary Stamp]

CONTRACTOR'S CERTIFICATION OF GOOD-FAITH EFFORT TO HIRE
MONTEREY BAY AREA RESIDENTS
(Monterey County Code section 5.08.120)

I certify that I am aware of the provisions of Monterey County Code section 5.08.120. Monterey County Code section 5.08.120 provides, in relevant part:

A. General Provisions. Unless such a provision would conflict with a state or federal law or regulation applicable to a particular contract for public works of improvement, all County contracts for public works of improvement shall contain provisions pursuant to which the contractor promises to make a good-faith effort to hire qualified individuals who are, and have been for at least one (1) year prior to the opening of bids, residents of the Monterey Bay Area in sufficient numbers so that no less than fifty percent (50%) of the contractor's total construction work force, including any subcontractor work force, measured in labor work hours, is comprised of Monterey Bay Area residents.

B. Non-responsive Bidder Declaration; Enforcement. If any contractor submitting a bid for a contract for public works of improvement fails to abide by the good-faith local hiring provisions of this Section, the contractor may be declared by the Board to be a non-responsive bidder for purposes of this Chapter. If a contractor lists in his or her bid a subcontractor who is currently disqualified under the terms of this Section, the Board may declare said contractor to be a non-responsive bidder for purposes of this Chapter. If the Board finds that a contractor to whom a contract for public works of improvement has been awarded has failed to comply with the good-faith hiring provisions of this Section during the performance of the contract, the Board may disqualify the contractor from bidding on any County contract for public works of improvement for a period of one (1) year from the date of the Board's disqualification. A subsequent violation of this Section by a contractor may result in disqualification by the Board for a period of three (3) years from the date of the subsequent disqualification.

C. Binding on Subcontractors. Every contractor entering into a contract for public works of improvement subject to the provisions of this Section shall include in each and every subcontract for work, laborers, or materialmen relating to the project the requirement that the subcontractor promises to make a good-faith effort to hire qualified individuals who are, and have been for at least one (1) year prior to the opening of bids, residents of the Monterey Bay Area. If the Board finds that any subcontractor has failed during the performance of the subcontract to comply with its promise to contractor, the Board may disqualify said subcontractor from submitting or being listed in any bid for any County contract for public works of improvement for a period of one (1) year from the date of the Board's disqualification. A subsequent violation by a subcontractor may result in disqualification by the Board for a period of three (3) years from the date of the subsequent disqualification."

I FURTHER CERTIFY AS FOLLOWS (check the box that applies):

I CERTIFY that at least 50% of the total construction work force on the project, including any subcontractor work force, measured in labor work hours, will be comprised of qualified individuals who to the best of my knowledge are, and have been for at least one (1) year prior to the effective date of the opening of bids, Monterey Bay Area residents. Evidence that I will comply with this requirement is as follows (please use additional pages to provide supporting evidence and/or documentation, as necessary):

I CERTIFY that I promise to make a good-faith effort to hire qualified individuals who to the best of my knowledge are, and have been for at least one (1) year prior to the effective date of the opening of bids, residents of the Monterey Bay Area in sufficient numbers such that no less than fifty percent (50%) of the total construction work force on the project, including any subcontractor work force, measured in labor work hours, will be comprised of Monterey Bay Area residents. Evidence of my promise to make a good-faith effort will be as follows (please use additional pages to provide supporting evidence and/or documentation, as necessary):

I CERTIFY that I do not comply with and am unable to promise to make a good-faith effort to comply with the good-faith local hiring provisions set forth in Monterey County Code section 5.08.120.

I declare under penalty of perjury under the laws of the State of California that the foregoing certification is true and correct. Executed on (date) _____
at (city/state) _____.

Bidder's business name

Signature: _____

Print Name: _____

Title: _____

BID BOND

(Public Contract Code Section 20129)

WHEREAS the Principal has submitted the accompanying bid dated _____, to the County of Monterey, for the following project: **MT TORO GROUNDING, PROJECT NO. 5108, BID PACKAGE NO. 10360**; and

WHEREAS, Principal, as bidder, is required to furnish a bond executed by an admitted surety in connection with said bid, to secure the timely execution of the contract and delivery of bonds and insurance certificates, in the event that the contract is awarded to the Principal.

NOW, THEREFORE, we _____ as Principal, and _____

_____ as Surety, are held and firmly bound unto the County of Monterey, a political subdivision of the State of California (hereinafter called "County"), in the penal sum of _____ Dollars (\$ _____), which sum is not less than ten percent (10%) of the base bid amount including all alternates of the Principal submitted to the said County for the above-described project, 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, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT:

If the Principal is awarded the contract and, within the time and manner required under the contract documents for the above-described project, after the prescribed forms are presented to him for signature, (1) enters into a written contract in the prescribed form, in accordance with the bid, (2) files such insurance certificates with the County as may be required by said contract documents, and (3) files a performance bond and a payment bond with the County, in conformity with said contract documents, then this obligation shall be null and void; otherwise, it shall remain in full force.

Surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract on the call for bids, or to the work to be performed thereunder, or the specifications accompanying the same, shall in any way affect its obligation under this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said contract or the call for bids, or to the work, or to the specifications.

If the County brings suit upon this bond and judgment is recovered, the Surety shall pay all litigation expenses incurred by the County in such suit, including attorneys' fees, court costs, expert witness fees and investigation expenses.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals this _____ day of _____, 20__, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

(Corporate Seal)

Principal

By_____

Title_____

(Corporate Seal)

Surety

By_____

Title_____

Attach: 1) A Copy of authorization for signature for Principal, and 2) An original or certified copy of unrevoked appointment, Power of Attorney, Attorney-in-Fact Certificate bylaws or other instrument entitling or authorizing person executing bond on behalf of Surety to do so.

AGREEMENT

THIS AGREEMENT is made by and between the COUNTY OF MONTEREY, a political subdivision of the State of California, hereinafter called "COUNTY," and (NAME OF CONTRACTOR), hereinafter called "CONTRACTOR." For reference purposes, the date of this Agreement is (DATE OF BOARD AGENDA).

THE COUNTY AND THE CONTRACTOR hereby agree as follows:

ARTICLE 1. SCOPE OF WORK.

The CONTRACTOR shall, within the time stipulated, perform the contract as herein defined and shall furnish all work, labor, equipment, transportation, material, and services to construct and complete in a good, expeditious, workmanlike, and substantial manner, the project: **MOUNT TORO GROUNDING, 20600 CORRAL DE CIELO SALINAS CA 93906, PROJECT NUMBER 5108 BID NUMBER 10360.**

All work shall be completed in strict conformance with the plans, specifications, and working details prepared by LYNCOLE LLC. and the provisions of the documents listed in Article 6 below, and to the satisfaction of the COUNTY.

ARTICLE 2. TIME FOR START AND COMPLETION.

CONTRACTOR shall commence the work on the starting date established in the Notice to Proceed and shall complete the bid work within the overall project duration of 15 days as it pertains to CONTRACTOR's scope of work as defined by the contract documents. Additionally, CONTRACTOR shall coordinate their work with all other contractors whose work is affected by the scope of work defined in this Agreement. CONTRACTOR expressly agrees to provide appropriate labor, material and equipment in response to adjustments in the Project Schedule made by the Monterey County Director of Information Technology or his/her designee during the course of the project in order to maintain the required progress.

ARTICLE 3. CONTRACT PRICE.

The COUNTY shall pay the CONTRACTOR as full consideration for the performance of the contract, subject to any additions or deductions as provided in the contract documents, the contract sum of _____ (WRITTEN AMOUNT) _____, (\$ NUMERICAL AMOUNT _____).

ARTICLE 4. LIQUIDATED DAMAGES.

THE PARTIES AGREE THAT IN CASE ALL THE WORK CALLED FOR UNDER THE CONTRACT IN ALL PARTS AND REQUIREMENTS IS NOT COMPLETED WITHIN THE TIME SPECIFIED IN THE CONTRACT DOCUMENTS, DAMAGE WILL BE SUSTAINED BY THE COUNTY, AND THAT IT IS AND WILL BE IMPRACTICABLE AND EXTREMELY DIFFICULT TO DETERMINE THE ACTUAL DAMAGE WHICH THE COUNTY WILL THEREBY SUSTAIN. THE PARTIES THEREFORE AGREE THAT THE CONTRACTOR WILL PAY TO THE COUNTY THE SUM SET FORTH IN THE **SPECIAL CONDITIONS**, IF ANY, FOR EACH CALENDAR DAY OF DELAY UNTIL THE WORK IS COMPLETED AND ACCEPTED. CONTRACTOR AND HIS SURETY SHALL BE LIABLE FOR THE TOTAL AMOUNT THEREOF. THE CONTRACTOR AGREES TO

PAY SAID LIQUIDATED DAMAGES ESTABLISHED HEREIN, AND FURTHER AGREES THAT THE COUNTY MAY DEDUCT THE AMOUNT THEREOF FROM ANY MONIES DUE OR THAT MAY BECOME DUE THE CONTRACTOR UNDER THE CONTRACT.

ARTICLE 5. NOTIFICATION OF THIRD-PARTY CLAIMS.

COUNTY shall notify CONTRACTOR of the receipt of any third-party claim relating to the contract and is entitled to recover its reasonable costs incurred in providing the notification as provided in Public Contract Code Section 9201.

ARTICLE 6. COMPONENT PARTS OF THIS CONTRACT.

The contract entered into by this Agreement consists of the following documents, all of which are component parts of the contract as if herein set out in full or attached hereto:

Notice to Contractors Inviting Formal Bids
Information for Bidders
Bid, as accepted
List of Subcontractors
Noncollusion Affidavit
Worker's Compensation certificate
Affidavit Concerning Employment of Undocumented Aliens
Contractor's Certification of Good-Faith Effort to Hire Monterey Bay Area Residents
Bid Bond or Bidder's Security
Agreement
Performance Bond
Payment Bond for Public Works
Insurance Certificate
General Conditions of Project # 5108 BID 10360 Project Manual
Special Conditions of Project # 5108 BID 10360 Project Manual
Working Details
Project Addenda Nos. _____ , _____ , _____ as issued.
Exhibit A, Lyncole Scope of Work
Exhibit B, Lyncole Site report
Exhibit C, Topographical report

All of the above-named contract documents are intended to be complementary. Work required by one of the above-named contract documents and not by others shall be done as if required by all.

IN WITNESS WHEREOF, the parties have duly executed four (4) identical counterparts of this instrument, each of which shall be for all purposes deemed an original thereof, on the dates set forth below.

CONTRACTOR:
NAME OF COMPANY

By: _____

Name: Name of Principal

Title: Title of Principal

Date:

By: _____

Name: Name of Secondary

Title: Title of Secondary

Date:

COMPANY ADDRESS:

STREET ADDRESS

CITY/STATE/ZIP

Contractor's License Type: XXXX

License Number: XXXXX

License Expiration Date: XXXX

NOTE: CONTRACTORS ARE REQUIRED TO BE LICENSED AND REGULATED BY THE CONTRACTORS' STATE LICENSE BOARD. ANY QUESTIONS CONCERNING A CONTRACTOR MAY BE REFERRED TO THE REGISTRAR, CONTRACTORS' STATE LICENSE BOARD/P O BOX 26000/ SACRAMENTO CA 95826

INSTRUCTIONS: If bidder is a corporation, the full legal name of the corporation shall be set forth above together with the signatures of authorized officers or agents and the document shall bear the corporate seal; if bidder is a partnership, the full name of the firm shall be set forth above together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership; and if bidder is an individual, his signature shall be placed above.

Name: Mike Derr

Title: Contracts/Purchasing Officer

Date:

APPROVED AS TO FORM & LEGALITY

COUNTY COUNSEL

By: _____

Name: Cynthia L. Hasson

Title: Deputy County Counsel

Date:

APPROVED AS TO FISCAL TERMS

COUNTY AUDITOR-CONTROLLER

By: _____

Name: Gary Giboney

Title: Chief Deputy Auditor-Controller

Date:

**APPROVED AS TO INDEMNITY/INSURANCE
LANGUAGE**

RISK MANAGEMENT

By: _____

Name: Steven F. Mauck

Title: Risk Manager

PERFORMANCE BOND
(Public Contract Code Section 20129)

WHEREAS, the County of Monterey has awarded to Principal,

as Contractor, for the following project:

**MT TORO GROUNDING PROJECT, 20600 CORRAL DE CIELO SALINAS CA 93908
PROJECT NO. 5108, BID PACKAGE NO. 10360** and

WHEREAS, Principal, as Contractor, is required to furnish a bond in connection with said contract, to secure the faithful performance of said contract.

NOW, THEREFORE, we _____

as Principal, and _____

as Surety, are held and firmly bound unto the County of Monterey, a political subdivision of the State of California (hereinafter called "County"), in the penal sum of _____ Dollars (\$_____.____), 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, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT:

If the Principal, as Contractor, or Principal's heirs, executors, administrators, successors, or assigns, (1) shall in all things stand to and abide by and well and truly keep and perform the covenants, conditions, and agreements in said contract and any alteration thereof made as therein provided, on Principal's part to be kept and performed, at the time and in the manner therein specified and in all respects according to their true intent and meaning, and (2) shall indemnify, defend, and save harmless the County, the members of its board of supervisors, and its officers, agents and employees as therein stipulated, then this obligation shall become null and void; otherwise, it shall be and remain in full force and virtue.

Surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or the call for bids, or to the work to be performed thereunder, or the specifications accompanying the same, shall in any way affect its obligation under this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said contract or the call for bids, or to the work, or to the specifications.

Whenever the Principal, as Contractor, is in default, and is declared in default, under the Contract by the County of Monterey, the County of Monterey having performed its obligation under the contract, Surety may promptly remedy the default, or shall promptly:

1. Complete the contract in accordance with its terms or conditions, or
2. Obtain a bid or bids for submission to County of Monterey for completing the Contract in accordance with its terms or conditions, and upon determination by the County of Monterey and Surety of the lowest responsible and responsive bidder, arrange for a contract between such bidder and the County of Monterey, and make available as work progresses (even though there should be a default or succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price.

If suit is brought upon this bond by the County and judgment is recovered, the Surety shall pay all litigation expenses incurred by the County in such suit, including attorneys' fees, court costs, expert witness fees and investigation expenses.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals this ____ day of _____, 2012, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

(Corporate Seal)

Principal

By: _____

Title: _____

(Corporate Seal)

Surety

By: _____

Title: _____

Attach: 1) Copy of authorization for signature for Principal, and 2) original or certified copy of unrevoked appointment, Power of Attorney, Attorney-in-Fact Certificate bylaws or other instrument

entitling or authorizing person executing bond on behalf of Surety to do so.

PAYMENT BOND
(Civil Code section 3248)

WHEREAS, the County of Monterey has awarded to Principal,

as Contractor, a contract for the following project:

**MT TORO GROUNDING PROJECT, 20600 CORRAL DE CIELO SALINAS CA 93908
PROJECT NO. 5108, BID PACKAGE NO. 10360;** and

WHEREAS, Principal, as Contractor, is required to furnish a bond in connection with said contract, to secure the payment of claims of laborers, mechanics, materialmen, and other persons furnishing labor and materials on the project, as provided by law.

NOW, THEREFORE, we _____

as Principal, and _____

as Surety, are held and firmly bound unto the County of Monterey, a political subdivision of the State of California (hereinafter called "County"), and to the persons named in California Civil Code section 3181 in the penal sum of _____ Dollars (\$_____.), 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, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT:

If Principal or any of Principal's heirs, executors, administrators, successors, assigns, or subcontractors (1) fails to pay in full all of the persons named in Civil Code Section 3181 with respect to any labor or materials furnished by said persons on the project described above, or (2) fails to pay in full all amounts due under the California Unemployment Insurance Code with respect to work or labor performed under the contract on the project described above, or (3) fails to pay for any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the Principal and subcontractors pursuant to Unemployment Insurance Code section 13020 with respect to such work and labor, then the Surety shall pay for the same.

Surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract on the call for bids, or to the work to be performed thereunder, or the specifications accompanying the same, shall in any way affect its obligation under this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said contract or the call for bids, or to the work, or to the specifications.

If the County brings suit upon this bond and judgment is recovered, the Surety shall pay all litigation expenses incurred by the County in such suit, including attorneys' fees, court costs, expert witness fees and investigation expenses.

This bond inures to the benefit of any of the persons named in Civil Code section 3181, and such persons or their assigns shall have a right of action in any suit brought upon this bond, subject to any limitations set forth in Civil Code sections 3247 et seq. (Civil Code, Division 3, Part 4, Title 15, Chapter 7: Payment Bond for Public Works).

IN WITNESS WHEREOF the above-bounden parties have executed this instrument under their several seals this _____ day of _____, 2012, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

(Corporate Seal)

Principal

By _____

Title _____

(Corporate Seal)

Surety

By _____

Title _____

Attach: 1) Copy of authorization for signature for Principal, and 2) original or certified copy of unrevoked appointment, Power of Attorney, Attorney-in-Fact Certificate bylaws or other instrument entitling or authorizing person executing bond on behalf of Surety to do so.

GENERAL CONDITIONS

MOUNT TORO GROUNDING PROJECT NO. 5108 BID NO. 10360

PART I. INTRODUCTION

ARTICLE 1. DEFINITIONS.

- 1.01. Architect. The "Architect" is the person or organization identified in the Agreement as the Architect, or their authorized representative, or the replacement designated in writing by County. All references to the "Architect" in the Special Conditions and General Conditions for this project shall be a reference to **MONTEREY COUNTY, TELECOMMUNICATIONS REPRESENTATIVE (MCTR)**.
- 1.02. Change Order. "Change Order" means a written modification of the Contract between the County and Contractor, signed by the County, the Contractor, and the Architect/Engineer.
- 1.03. Change Order Proposal. "Change Order Proposal" means a Contractor-generated document in response to a Change Order Request (COR).
- 1.04. Change Order Request. "Change Order Request" (COR) means a document which informs the Contractor of a proposed change in the Work, and appropriately describes or otherwise documents such change.
- 1.05. Close-Out Documents. "Close-Out Documents" means the product brochures, product/equipment maintenance and operations instructions, manuals, and other documents/warranties, as-built record documents, affidavit of payment, release of lien and claim, and as may be further defined, identified, and required by the Contract Documents.
- 1.06. Construction Project Manger. "Construction Project Manger" is the person designated by the County who is responsible for the management of the construction component of the project.
- 1.07 Contract. "Contract" means the entire agreement between County and Contractor, including all of the Contract Documents.
- 1.08 Contract Date. "Contract Date" is the date when the agreement between the County and the Contractor becomes effective.
- 1.09. Contract Sum. The "Contract Sum" is stated in the Agreement and is the total amount payable by the County to the Contractor for the performance of the work under the contract.
- 1.10. Contract Time. "Contract Time" means the period between the Start Date identified in the Notice to Proceed with Construction and the Substantial Completion Date identified in the Notice to Proceed or as subsequently amended by Change Order.

- 1.11. Contractor. The "Contractor" means the individual, corporation, company, partnership, firm, or other entity contracted to perform the Work and identified as such in the Agreement, or their authorized representative, regardless of the type of construction contract used, so that the term as used herein includes a Construction Manager-at-Risk or a Design-Build firm as well as a General or Prime Contractor. The contract documents refer to Contractor as if singular in number.
- 1.12. County. The "County" is the County of Monterey, the Owner of the project and identified as such in the Agreement, or its authorized representative.
- 1.13. Date of Commencement. "Date of Commencement" means the date designated in the Notice to Proceed for the Contractor to commence the Work.
- 1.14. Final Completion. "Final Completion" means the date determined and certified by the Architect/Engineer and County on which the Work is fully and satisfactorily complete in accordance with the Contract.
- 1.15. Owner. "Owner" means the County of Monterey.
- 1.16. Owner's Designated Representative. "Owner's Designated Representative" (ODR) means the individual assigned by the County (Owner) to act on its behalf, and to undertake certain activities as specifically outlined in the Contract. The ODR is the only party authorized to direct changes to the scope, cost, or time of the contract.
- 1.17. Project. "Project" means all activities necessary for realization of the Work. This includes design, contract award(s), execution of the Work itself, and fulfillment of all contract and warranty obligations. The work performed under this contract is directed towards completion of all or a part of the project.
- 1.18. Project Manager. The "Project Manager" (PM) is the person designated by the County who shall be responsible for the management of the project.
- 1.19. Project Consultant. The "Project Consultant" (PC) is the person/company that overseeing the technical completion of all work. The PC will review, make recommendations, and advise the PM and the CE of contractors work.
- 1.21. Communications Engineer. The "Communications Engineer" (CE) is the person responsible for all aspects of the site work environment. The CE oversees: access, work schedule, monitors site cleanliness and work performance
- 1.20. Samples. "Samples" are representative physical examples of materials, equipment, or workmanship, used to confirm compliance with requirements and/or to establish standards for use in execution of Work.
- 1.21. Schedule of Values. "Schedule of Values" means the detailed breakdown of the cost of the materials, labor, and equipment necessary to accomplish the Work as described in the Contract

Documents, submitted by Contractor for approval by County and Architect/Engineer.

1.22. Shop Drawings. "Shop Drawings" means the drawings, diagrams, illustrations, schedules, performance charts, brochures, and other data prepared by the Contractor or any subcontractor, manufacturer, supplier, distributor, or agents, and which detail some portion of the work.

1.23. Site. The "Site" is the geographical area of the location of Work.

1.24. Subcontractor. "Subcontractor" is a person or organization who has a direct contract with the Contractor to perform any of the work at the site or to furnish material worked to a special design according to plans and specifications of this work. The term "subcontractor" also includes sub-subcontractors performing work at the site or furnishing specially designed material for the work, who have only an indirect relationship to the Contractor.

1.25. Substantial Completion. "Substantial Completion" means the date determined and certified by the Contract, Architect/Engineer, and County when the Work or a designated portion thereof is sufficiently complete, in accordance with the Contract, so as to be operational and fit for the use intended.

1.26. Work. The "Work" includes all labor necessary to produce the construction required by the contract documents, and all materials and equipment incorporated or to be incorporated in such construction.

ARTICLE 2. CONTRACT INTERPRETATION.

2.01. Counting time. When any provision in the contract documents calls for computation of time in terms of days, the period so counted shall include all calendar days within the period, including usual workdays as well as weekends and holidays. Business Days and Workdays refer to Monday through Friday, eight-hour duration.

2.02. Gender and number. References to one gender include the other; references to either singular or plural include the other.

2.03. Headings. Article and paragraph headings are for convenience only, and shall not be used to interpret the provisions of this contract.

2.04. Express and implied work requirements. This contract requires the performance of all elements of work expressly mentioned herein, together with all elements of work that are reasonably inferable from the express terms of this contract as being necessary for the proper completion of the work.

2.05. Technical or trade meanings. Words which have well-known technical or trade meanings are used herein in accordance with such recognized meanings.

2.06. Interpretations by Architect. Written interpretations necessary for the proper execution or progress of the work, in the form of drawings or otherwise, will be issued with reasonable promptness by the Architect and in accordance with any schedule agreed upon. Contractor shall make written

request to the Architect for such interpretations. Such interpretations shall be consistent with, and reasonably inferable from the contract documents, and may be made by field orders issued pursuant to Article 15.

2.07. Conflicts among contract documents - priorities. If there is any conflict between any of the contract documents, the conflict shall be resolved by giving effect to the provisions in the documents having higher priority and by disregarding conflicting provisions in documents having lower priority, as follows: first priority, any modifications, with the most recent having priority over earlier modifications; second priority, the Agreement; third priority, any addenda, with the most recent having priority over earlier addenda; fourth priority, the Special Conditions; fifth priority, the General Conditions.

2.08. Conflicts and interpretation problems involving plans, specifications, or working details. If a conflict or other problem of interpretation involves plans, specifications, or working details, the problem shall be resolved as follows: Dimensions take precedence over scale at all times. Figured dimensions on plans shall govern, but work not dimensioned shall be as directed. Work not particularly shown or specified shall be the same as similar parts that are shown or specified. Large-scale details shall take precedence over smaller-scale details as to shape and details of construction. Specifications shall govern as to materials, workmanship, and installation procedures. Plans, specifications, and working details are intended to be fully cooperative and to agree. However, if Contractor observes that plans, specifications, and/or working details are in conflict, he shall promptly notify the Architect with a copy to the County Contracts/Purchasing Officer in writing and any necessary changes shall be adjusted as provided elsewhere in the contract documents for changes in work. The Architect shall resolve all conflicts involving plans, specifications, or working details wherever the foregoing principles do not apply, or where, if applied, they lead to results that appear unreasonable.

ARTICLE 3. CONTRACT DOCUMENTS.

3.01. Contract Documents. The contract documents consist of all component parts of the contract as specified in the Agreement, including the Notice to Contractors Inviting Formal Bids, Information for Bidders, Bid as accepted, List of Subcontractors, Non-Collusion Affidavit, Contractor's Certificate as to Workers' Compensation, Affidavit Concerning Employment of Undocumented Aliens, Contractor's Certification of Good-Faith Effort to Hire Monterey Bay Area Residents, Bid Bond or Bidder's Security, Agreement, Performance Bond, Payment Bond for Public Works, Insurance Certificate, General Conditions of PROJECT # 5108, BID # 10360 Project Manual, Special Conditions of PROJECT # 5108, BID NO # 10360, Project Manual, Specifications, Plans, Working Details, all addenda issued prior to execution of the contract, and all modifications.

3.02. Contract. The contract documents form the contract. The contract represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements, either written or oral, including the bidding documents. The contract may be amended or modified only by a modification as defined in paragraph 3.03.

3.03. Modification. A modification is (1) a written amendment to the contract signed by both parties (2) a change order (3) a written interpretation issued by the Architect or (4) a written order for a minor

change in the work issued by the Architect pursuant to Article 15. A modification may be made only after execution of the contract.

3.04. Execution in quadruplicate. Unless otherwise specified in the Agreement, the contract documents shall be signed in not less than quadruplicate by the County and Contractor.

3.05. Familiarity with site and local conditions. Prior to submitting a bid, and prior to executing this contract, the Contractor shall visit the work site, familiarize himself with the local conditions under which the work is to be performed, and correlate his observations with the requirements of this contract. By executing the contract, the Contractor represents that he has done so. Based on such visits and investigations, Contractor shall notify the County in writing of any discrepancies between the local conditions and the requirements of the contract. Contractor's failure to notify County prior to submitting its bid shall be deemed an acknowledgment of and acceptance of any such discrepancies, and a waiver of any claims for extra work, which may result therefrom.

3.06. Contract documents furnished to Contractor. Unless otherwise provided in the contract documents, the Contractor will be furnished, one full size set and one half size set of all the contract documents, including the plans, specifications, and working details to facilitate the execution of the work. Additional copies of the contract documents may be obtained at cost of reproduction.

3.07. Ownership of documents. All plans, specifications, working details, and copies thereof furnished by the Architect are and shall remain the property of the County. Such documents shall not be used on any other project and shall be returned to the County on request at the completion of the work.

3.08. Organization of contract documents not controlling. The organization of the specifications into divisions, sections, and articles, and the arrangement of the plans or working details shall not control the Contractor in dividing the work among subcontractors or in establishing the extent of work to be performed by any trade.

3.09. Contract documents on-site. Contractor will at all times maintain at least one complete, up-to-date set of the contract documents, showing approval by the State Fire Marshal (including the original documents as well as all change orders and other supplemental and additional documents) on the site, to be available to the County, Architect, and their representatives.

ARTICLE 4. SUBCONTRACTORS.

4.01. No contractual relationship between County and subcontractors. Nothing contained in the contract documents shall create any contractual relation between the County or Architect and any subcontractor.

4.02. Work performed by subcontractors; substitutions. Subcontracted work shall be performed only by the subcontractors identified in Contractor's bid documents, as provided by Public Contract Code sections 4100, et seq. Substitution of subcontractors may be made only in conformity with the Subletting and Subcontracting Fair Practices Act, Public Contract Code sections 4100, et seq.

4.03. Contracts with subcontractors. All work performed for the Contractor by a subcontractor shall be pursuant to a written agreement between the Contractor and the subcontractor (and where appropriate, between subcontractors and sub-subcontractors). All such agreements shall require performance by the subcontractors in conformity with the terms of this contract, and shall include all the terms of this contract, which are applicable to subcontractors.

4.04. Payments to subcontractors.

(a) The Contractor shall pay each subcontractor, upon receipt of payment from the County, any amount equal to the percentage of completion allowed to the Contractor on account of such subcontractor's work, less the percentage retained from payments to the Contractor. The Contractor shall also require each subcontractor to make similar payments to his subcontractors. County shall have the right, but not the obligation, to issue payment by joint checks payable to the order of Contractor and any of its subcontractors.

(b) If the Project Manager fails to issue a certificate for payment for any cause which is the fault of the Contractor and not the fault of a particular subcontractor, the Contractor shall pay the subcontractor on demand, made at any time after the certificate for payment should otherwise have been issued, for his work to the extent completed, less the retained percentage.

(c) Neither the County nor the Project Manager shall have any obligation to pay or to see to the payment of any monies to any subcontractor except as may otherwise be required by law. All monies paid to Contractor hereunder shall immediately become and constitute a trust fund and shall be applied by Contractor for the benefit of all persons supplying labor, materials or equipment in connection with the work and shall not be diverted to any other purpose until the claims of such persons have been discharged.

4.05. Information provided to subcontractors. The County's Project Manager and the Architect may, on request, and at their discretion, furnish to any subcontractor, if practicable, information regarding percentages of completion certified to the Contractor on account of work done by such subcontractors.

4.06. Contractor's responsibility for work of subcontractors. Contractor shall be as fully responsible to County for the acts and omissions of any subcontractor and of persons either directly or indirectly employed by the subcontractors, as he is for acts and omissions of persons directly employed by him.

PART II. CONDUCT OF WORK.

ARTICLE 5. CONTRACT ADMINISTRATION BY ARCHITECT.

5.01. No contractual relationship between Architect, Project Manager, and Contractor. Nothing contained in the contract documents shall create any contractual relationship between the Architect, Project Manager, and the Contractor or any subcontractor.

5.02. County's representative. The Project Manager will be the County's representative during construction and until final payment as provided in this Agreement. The Project Manager will have authority to act on behalf of the County to the extent provided in the contract documents, unless

otherwise modified by written instrument which will be shown to the Contractor. The Project Manager will advise and consult with the County, and all of the County's instructions to the Contractor shall be issued through the Project Manager. As County's representative, the Project Manager will provide general administration of the contract, including performance of the functions hereinafter described. In addition, the Project Manager will be the County's Representative for management of construction in the field. The Project Manager is responsible for managing the project schedule, budget, and has the authority to act on behalf of the County as relating to the management of these items.

5.03. Instructions issued through Project Manager. The County shall issue instructions to the Contractor through the Project Manager, provided that the County shall have the right, but not the obligation, to itself or through other project representatives issue change orders, require additional work and/or direct the omission of work previously ordered by written instructions directly to Contractor, provided such project representative and instructions have been prior approved in writing by the County.

5.04. Project Manager's and Architect's access to work. The Project Manager and Architect shall at all times have access to the work wherever it is in preparation and progress. The Contractor shall provide facilities for such access so the Project Manager and Architect may perform their functions under the contract.

5.05. Inspections. The Architect will make periodic visits to the site to familiarize themselves generally with the progress and quality of the work and to determine in general if the work is proceeding in accordance with the contract documents. On the basis of their onsite observations, they will keep the County informed of the progress of the work, and will endeavor to guard the County against defects and deficiencies in the work of the Contractor. The Architect will not be required to make exhaustive or continuous onsite inspections to check the quality or quantity of the work. They will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the work, and they will not be responsible for the Contractor's failure to carry out the work in accordance with the contract documents.

5.06. Determination of payments to Contractor. Based on such observations and the Contractor's applications for payment, the Architect and Project Manager will determine the amounts owing to the Contractor and will issue certificates for payment in such amounts, as provided in Articles 18-21.

5.07. Decisions on artistic effect. The Architect's decisions in matters relating to artistic effect will be final if consistent with the intent of the contract documents.

5.08. Authority to reject work or to require special inspection or testing. The Project Manager and Architect may reject work, which does not conform to the contract documents. Whenever, in their reasonable opinion, they consider it necessary or advisable to ensure the proper implementation of this contract, they may require special inspection or testing of the work in accordance with Article 11, whether or not such work is then fabricated, installed, or completed. However, the Project Manager's authority to act under this paragraph, nor any decision made by them in good faith either to exercise or not to exercise such authority, shall not give rise to any duty or responsibility of the Project Manager to the Contractor, any subcontractor, any of their agents or employees, or any other person performing any of the work.

5.09. Review of shop drawings and samples. The Architect will review shop drawings and samples as provided in Article 9.

5.10. Change orders prepared by Project Manager. The Project Manager will prepare change orders and may order minor changes in the work in accordance with Article 15.

5.11. Inspections and document review. The Project Manager will conduct inspections of the work (including a final inspection), will receive and review written guarantees and related documents required by the contract and assembled by the Contractor and will issue a final certificate for payment.

ARTICLE 6. SERVICES PROVIDED BY COUNTY.

6.01. Easements obtained by County. The County shall secure and pay for all easements, rights-of-way, and fee interests in land necessary to enable Contractor to complete the work.

6.02. Surveys provided by County. The County shall furnish all surveys describing the existing physical characteristics, legal limits, and utility locations for the site of the project. Unless specifically provided for in the plans and specifications, the County shall not provide field engineering or construction staking.

6.03. Information and services provided by County. Information or services under the County's control shall be furnished by the County with reasonable promptness to avoid delay in the orderly progress of the work.

ARTICLE 7. CONTRACTOR'S ADMINISTRATIVE DUTIES.

7.01. Review of contract documents for errors. The Contractor shall carefully study and compare the contract documents and shall at once report in writing to the Project Manager with a copy to the County Contracts/Purchasing Officer, any error, inconsistency, or omission he may discover. The Contractor shall not be liable to the County for any damage resulting from any such errors, inconsistencies, or omissions in the contract document which were reported, in writing, by Contractor to the project manager, with a copy of the correspondence to the County Contracts/Purchasing Officer; provided no provisions herein shall relieve the Contractor from liability for errors, inconsistencies, or omissions which were known or reasonably should have been known to Contractor, which were not disclosed in writing to the Project Manager, with a copy of the correspondence to the County Contracts/Purchasing Officer.

7.02. Taxes. Contractor shall pay all sales, consumer, use, and other similar taxes required by law.

7.03. Transportation and utility service. Contractor shall pay for all transportation and utility service not later than the 20th day of the calendar month following that in which such services are rendered.

7.04. Materials and equipment. Contractor shall pay for all materials, tools, and other expendable equipment to the extent of 90 percent of the cost thereof, not later than the 20th day of the calendar

month following that in which such materials, tools, and equipment are delivered at the project site and the balance thereof not later than the 30th day following completion of that part of the work in or on which such materials, tools, and equipment are incorporated or used.

7.05. Contractor's superintendent. The Contractor shall employ a competent, qualified superintendent who shall provide full time, on-site supervision of all aspects of the work. Full time means any and all times that contractor; its agents, employees or subcontractors are performing any and all work. The superintendent shall be satisfactory to the County, and shall not be changed except with the consent of the County. The County may request at any time that a Contractor remove its superintendent from the project and provide an alternate superintendent as approved by the County. The superintendent shall represent the Contractor and all communications given to the superintendent shall be as binding as if given to the Contractor. Important communications will be confirmed in writing. Other communications will be so confirmed on written request in each case.

7.05.01 Contractor's project manager. The Contractor shall employ a competent, qualified project manager to manage the entire project and the superintendent. The Contractor shall provide the County's representative with the project manager's resume. The County's representative and the Project Manager must approve the project manager. The County reserves the right to interview the project manager at any time. The County at any time during the course of construction may require the Contractor to substitute the project manager based on poor performance, lack of experience, product knowledge, project management skills, or the ability to prosecute the work in a workmanlike manner.

7.06. Contractor's responsibility for agents and employees. The Contractor shall be responsible to the County for the acts and omissions of all his employees and all subcontractors, their agents and employees, and all other persons performing any of the work under a contract with the Contractor.

7.07. Communication through Project Manager. The Contractor shall forward all communications to the County through the Project Manager.

ARTICLE 8. GENERAL PROVISIONS REGARDING CONDUCT OF WORK.

8.01. No work without construction documents. The Contractor shall do no work without current plans, specifications, working details, etc.

8.02. Supervision and construction procedures. The Contractor shall supervise and direct the work, using his best skill and attention. He shall be solely responsible for all construction means, methods, techniques, sequences, and procedures, and for coordinating all portions of the work under the contract.

8.03. Contractor's responsibility for labor, materials, and equipment. Unless otherwise specifically noted, the Contractor shall provide and pay for all labor, materials, equipment, and machinery, water, heat, utilities, transportation, and other facilities and services necessary for the proper execution and completion of the work.

8.04. Conduct and skill of employees. The Contractor shall at all times enforce strict discipline and good order among his employees and shall not employ on the work any unfit person or anyone not skilled in the task assigned to him. Any person in the employ of the Contractor whom the County may

deem incompetent or unfit shall be dismissed from the work and shall not again be employed on it except with the written consent of the County.

8.05. Progress schedule. The Contractor, immediately after being awarded the contract, shall prepare and submit for the Project Manager's approval, an estimated progress schedule for the work. The progress schedule shall be related to the entire project to the extent required by the contract documents. This schedule shall indicate the dates for the starting and completion of the various stages of construction and shall be revised weekly, subject to the Architect's approval.

8.06. Plans and specifications at site. The Contractor shall maintain at the site for the County one copy of all approved shop drawings, plans, specifications, working details, addenda, change orders, and other modifications, in good order and marked to record all changes made during construction. These shall be available to the Project Manager. A reproducible set of plans and working details, marked to record all changes made during construction, shall be delivered to the Project Manager for the County upon completion of the work and prior to release of final payment.

8.07. Dimensions to be checked. All dimensions shall be carefully checked by the various artisans. Each Contractor shall be held responsible for the accuracy of the dimensions of its own work. Dimensions shown on plans shall be adhered to insofar as it is possible, and no deviation from such dimensions shall be made except with the consent of the Architect. Where the work of one Contractor comes in contact with the work of another Contractor, each Contractor shall carefully check all dimensions which affect its own work. Wherever possible, dimensions shall be taken at the building, but no work shall be delayed or held up waiting for building dimensions, when by the exercise of foresight and proper cooperation, the dimensions may be established in advance of construction. The Contractor shall verify all dimensions at the site and shall be solely responsible for same or deviations from same.

8.08. Cutting and patching. The Contractor shall be responsible for any cutting, fitting, and patching that may be required to complete his work, except as otherwise specifically provided in the contract documents. The Contractor shall not endanger any work of any other contractors by cutting, excavating, or otherwise altering any work and shall not cut or alter the work of any other contractor except with the written consent of the Project Manager.

8.09. Revision of operations. When, in the judgment of the County, it becomes necessary to accelerate the work, the Contractor when so ordered shall concentrate his forces at such points as directed and execute such portions of the work as may be required.

8.10. Damage to work and property on-site. All damage or loss to any property on or near the site caused in whole or in part by the Contractor, any subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable, shall be remedied by the Contractor, at his expense, except damage or loss attributable to faulty specifications or working details, or to the acts or omissions of the County or Architect or anyone employed by either of them or for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor.

ARTICLE 9. SHOP DRAWINGS AND SAMPLES.

9.01. Submittal of shop drawings and samples. The Contractor shall review, stamp with his approval, and submit, with reasonable promptness and in orderly sequence so as to cause no delay in the work or in the work of any other contractor, all shop drawings and samples required by the contract documents or subsequently by the Architect as covered by modifications. Shop drawings and samples shall be properly identified as specified, or as the Architect may require. At the time of submission, the Contractor shall inform the Architect in writing of any deviation in the shop drawings or samples from the requirements of the contract documents.

9.02. Warranties concerning shop drawings and samples. By approving and submitting shop drawings and samples, the Contractor thereby represents that he has determined and verified all field measurements, field construction criteria, materials, catalog numbers, and similar data, or will do so, and that he has checked and coordinated each Shop Drawing and Sample with the requirements of the work and of the contract documents.

9.03. Architect's review and approval. The Architect will review and approve shop drawings and samples with reasonable promptness so as to cause no delay, but only for conformance with the design concept of the project and with the information given in the contract documents. The Architect's approval of a separate item shall not indicate approval of an assembly in which the item functions.

9.04. Corrections. The Contractor shall make any corrections required by the Architect and shall resubmit the required number of corrected copies of shop drawings or new samples until approved. The Contractor shall direct specific attention in writing or on resubmitted shop drawings to revisions other than the corrections requested by the Architect on previous submissions.

9.05. Contractor's responsibility. The Architect's approval of shop drawings or samples shall not relieve the Contractor of responsibility for any deviation at the time of submission, nor shall the Architect's approval relieve the Contractor from responsibility for errors or omission in the shop drawings or samples.

9.06. Completion of work in accordance with shop drawings and samples. No portion of the work requiring a Shop Drawing or Sample submission shall be commenced until the Architect has approved the submission. All such portions of the work shall be in accordance with approved shop drawings and samples.

ARTICLE 10. SEPARATE CONTRACTS ON SAME PROJECT.

10.01. County's right to award separate contracts. The County reserves the right to award other contracts in connection with other portions of the project.

10.02. Coordination among contractors. Contractor shall ascertain to his own satisfaction the scope of the project and the nature of any other contracts that have been or may be awarded by County in prosecution of the project, to the end that Contractor may perform this contract in light of such other contracts, if any. Nothing herein shall be interpreted as granting to Contractor exclusive occupancy at the site. Contractor shall not cause any unnecessary hindrance or delay to any other contractor working on the project. If simultaneous execution of any contract for the project is likely to cause interference with the performance of some other contract or contracts, the County shall decide which contractor

shall cease work temporarily and which contractor shall continue or whether work can be coordinated so that contractors may proceed simultaneously. County shall not be responsible for any damages suffered or extra costs incurred by Contractor resulting directly or indirectly from the award or performance or attempted performance of any other contract or contracts on the project, or caused by any decision or omission of County respecting the order of precedence in performance of the contracts.

Any delay in the progress of the work as a result of such priorities shall not give rise to any adjustments in the Contract Price and Contractor agrees that its sole right and remedy therefore shall be an extension of time.

10.03. Responsibility to other contractors. The Contractor shall afford other contractors on the same project reasonable opportunity for the introduction and storage of their materials and equipment and the execution of their work, and shall properly connect and coordinate his work with theirs.

10.04. Duty to inspect other contractor's work. If any part of the Contractor's work depends for proper execution or results upon the work of any other separate contractor, the Contractor shall inspect and promptly report to the Project Manager any apparent discrepancies or defects in such work that render it unsuitable for such proper execution and results. Failure of the Contractor so to inspect and report shall constitute an acceptance of the other contractor's work as fit and proper to receive his work, except as to defects which may develop in the other separate contractor's work after the execution of the Contractor's work. Any work exhibiting unacceptable quality as defined by the contract documents will result in Contractor's payment (or a portion thereof) being withheld until the unacceptable work is corrected to meet the required quality standards, per Article 19 herein.

10.05. Damage to other contractor's work. Should the Contractor cause damage to the work or property of any separate contractor on the project, the Contractor shall, upon due notice settle with such other contractor by agreement or arbitration, if he will so settle. If such separate contractor sues the County or initiates an arbitration proceeding on account of any damage alleged to have been so sustained, the County shall notify the Contractor who shall defend such proceedings and indemnify and hold harmless County.

10.06. Responsibility for costs caused by one contractor to another. Any costs to one contractor or his subcontractors on the project caused by defective or ill-timed work by another contractor or his subcontractors on the project shall be borne by the party responsible for such defective or ill-timed work.

10.07. County's right to settle disputes over clean-up. If a dispute arises between the separate contractors as to their responsibility for cleaning up under paragraph 13.05, the County may clean up and charge the cost thereof to the several contractors, as the County shall determine to be just.

ARTICLE 11. TESTS.

11.01. Contractor's responsibility for required tests. If the contract documents, laws, ordinances, rules, regulations, or orders of any public authority having jurisdiction require any work to be inspected, tested, or approved, the Contractor shall give the Project Manager timely notice of its readiness and of the date arranged so the Project Manager may observe such inspection, testing, or approval. The County shall bear all costs of such inspections, tests, and approval, unless otherwise provided.

11.02. Responsibility for tests not anticipated in contract. If after the commencement of the work, the Project Manager determines that any work requires special inspection, testing, or approval which paragraph 11.01 does not include, he will, upon written authorization from the County, instruct the Contractor to order such special inspection, testing, or approval, and the Contractor shall give notice as in paragraph 11.01. If such special inspection or testing reveals a failure of the work to comply (1) with the requirements of the contract documents or (2) with laws, ordinances, rules, regulations, or orders of any public authority having jurisdiction, then the Contractor shall bear all costs thereof, including the Project Manager's additional services made necessary by such failure; otherwise the County shall bear such costs, and an appropriate change order shall be issued.

11.03. Certificates of inspection. Required certificates of inspection, testing, or approval shall be secured by the Contractor and promptly delivered by him to the Project Manager.

11.04. Observation by Project Manager. If the Project Manager wishes to observe the inspections, tests, or approvals required by this Article 11, he will do so promptly and, where practicable, at the source of supply.

11.05. No waiver of Contractor's responsibility. Neither the observations of the Project Manager in their administration of the construction contract, nor inspections, tests, or approvals by persons other than the Contractor shall relieve the Contractor from his obligations to perform the work in accordance with the contract documents.

ARTICLE 12. TIME FOR PERFORMANCE AND LIQUIDATED DAMAGES.

12.01. Time is of the essence. All time limits stated in the contract documents are of the essence of the contract.

12.02. Commencement and completion of work. Contractor shall commence the work on the starting date established in the Notice to Proceed and shall complete the work thereafter within the time limit established in the Project Schedule as defined in Special Conditions, Section 1. If there is no Notice to Proceed, Contractor shall commence the work on the starting date established in the Special Conditions and shall complete the work thereafter within the time limit established in the Special Conditions. If there is no Notice to Proceed and if the Special Conditions do not establish a starting or completion date, Contractor shall commence the work promptly after the Agreement is executed by all parties and shall prosecute the work regularly and diligently so as to complete the work within a reasonable time thereafter.

12.03. Prosecution of work. Contractor shall prosecute the work diligently and expeditiously with adequate forces and shall complete it within the time specified in the contract documents.

12.04. Date of final completion. When the Contractor believes that his work is completed, he shall request that the Architect and the County inspect the work and certify its completion. The Architect and the County will respond promptly to such a request. The date of final completion of the work or any designated portion thereof is the date on which, after the Architect and the County certifies that construction has been completed in accordance with the contract documents, the County's Board of Supervisors accepts the work.

12.05. Grounds for extension of time. The time for completion of the work shall be extended by change order for such reasonable time as the Architect or County may determine, if an extension of time is reasonably necessary due to a delay caused to the Contractor by any of the following circumstances:

- (a) Sole act or sole negligence of the County, the Architect, any employee of either, or any separate contractor employed by the County;
- (b) Any change ordered in the work, which change is requested by County or Architect or which is not due to the act or negligence of Contractor.
- (c) Any labor disputes, fire, unusual delay in transportation, unavoidable casualties, or causes beyond the Contractor's control and which Contractor could not reasonably have foreseen or made reasonable provisions for, and which are not caused by or the continuance of which is not due to, any act or failure to act on behalf of Contractor; or
- (d) Any other cause which the Architect or Project Manager determines may justify the delay.

12.06. Extensions of time due to failure to furnish interpretation. No extension of time shall be allowed for delay caused by the Project Manager's failure to promptly provide an interpretation of the contract, except in the following circumstances:

- (a) The Project Manager failed to provide the interpretation for over fifteen days after demand was made for such interpretation, and it would be reasonable to extend time due to such failure; or
- (b) The parties have agreed upon a schedule for the provision of interpretations, the Project Manager failed to comply with that schedule, and it would be reasonable to extend time due to such failure.

12.07. Claims for extension of time. Notwithstanding the provisions of Section 12.05 and 12.06 above, none of the causes of delay described therein shall be deemed a valid excuse for Contractor's failure to start, perform, or complete the work, or any portion thereof, on time unless Contractor has notified the Project Manager, in writing, of the alleged cause of delay within ten (10) days after commencement of the cause of the delay. Should the Architect and the County disagree with Contractor that the alleged delay warrants an extension of time for the performance of any act required hereunder, the Contractor shall notify the County in writing, as provided in Article 30; provided that the Contractor shall proceed with the work during the period that the Architect and Contractor seek to resolve the matter.

12.08. Liquidated damages. THE PARTIES AGREE THAT IN CASE ALL THE WORK CALLED FOR UNDER THE CONTRACT IN ALL PARTS AND REQUIREMENTS IS NOT COMPLETED WITHIN THE TIME SPECIFIED IN THE CONTRACT DOCUMENTS, DAMAGE WILL BE SUSTAINED BY THE COUNTY, AND THAT IT IS AND WILL BE IMPRACTICABLE AND EXTREMELY DIFFICULT TO DETERMINE THE ACTUAL DAMAGE WHICH THE COUNTY WILL THEREBY SUSTAIN. THE PARTIES THEREFORE AGREE THAT THE CONTRACTOR WILL PAY TO THE COUNTY THE SUM SET FORTH IN THE SPECIAL CONDITIONS, IF ANY,

FOR EACH CALENDAR DAY OF DELAY UNTIL THE WORK IS COMPLETED AND ACCEPTED. CONTRACTOR AND HIS SURETY SHALL BE LIABLE FOR THE TOTAL AMOUNT THEREOF. THE CONTRACTOR AGREES TO PAY SAID LIQUIDATED DAMAGES ESTABLISHED HEREIN, AND FURTHER AGREES THAT THE COUNTY MAY DEDUCT THE AMOUNT THEREOF FROM ANY MONIES DUE OR THAT MAY BECOME DUE THE CONTRACTOR UNDER THE CONTRACT.

12.09. Removal or relocation of main or trunk line utility facilities. The Contractor shall not be assessed for liquidated damages for delay in completion of the project, when such delay was caused by the failure of the County or a utility company to provide for removal or relocation of existing main or trunk line utility facilities; however, when the Contractor is aware that removal or relocation of an existing utility has not been arranged, Contractor shall promptly notify the County and the utility company in writing, so that provision for such removal or relocation may be made to avoid and minimize any delay which might be caused by the failure to remove or relocate the main or trunk line utility facilities, or to provide for their removal or relocation. In accordance with Government Code section 4215, if the Contractor while performing the contract discovers any existing main or trunk line utility facilities not identified by the County in the contract plans or specifications, he shall immediately notify the Project Manager and utility in writing. The utility, where it is the owner of the facilities, shall have the sole discretion to perform repairs or relocation work or permit the Contractor to do such repairs or relocation work at a reasonable price. The Contractor shall be compensated for the costs of locating, repairing damage not due to the failure of the Contractor to exercise reasonable care, and removing or relocating such utility facilities not indicated in the plans and specifications with reasonable accuracy and for equipment on the project necessarily idled during such work. Such compensation shall be in accordance with the extra work provisions set forth elsewhere in the contract documents. Conversely, Contractor shall not be compensated for the costs of locating, repairing damage and removing or relocating such utility facilities which is due to the failure of the Contractor to exercise reasonable care. In such an event, Contractor shall not be credited for nor given an extension of time for equipment on the project necessarily idled during such work necessitated by Contractor's failure to exercise reasonable care.

ARTICLE 13. USE OF SITE.

13.01. Limit of operations. The Contractor shall confine his apparatus, the storage of materials, and the operations of his workers to limits indicated on the plans, or by law, ordinances, permits, or directions of the Project Manager and shall not unreasonably occupy the premises with his materials. Insofar as possible, the Contractor shall arrange his work and its progress to prevent any interference with the operations of the existing facilities. All utilities must be protected and connections made to utilities so as not to interrupt service.

13.02. Utilities. Unless otherwise noted, all utilities, including but not limited to electricity, water, gas, and telephone, used on the work shall be furnished and paid for by Contractor. Contractor shall furnish and install temporary distribution systems, including meters, if necessary, from distribution points to points on-site where utility is necessary to carry on the work. Upon completion of the work, Contractor shall remove all temporary distribution systems. If this contract is for an addition to an

existing facility, Contractor may, with the written permission of the County, use County's existing utilities by making prearranged payments to County for utilities used by Contractor for construction.

13.03. Metering devices. For the purpose of providing utility service to the project, Contractor may install or cause to be installed metering devices or other equipment of utility companies or of political subdivisions, title to which is commonly retained by the utility company or political subdivision. If any such metering device or equipment is installed, contractor shall advise County as to the owner of such device or equipment.

13.04. Sanitary facilities. THIS SECTION IS REMOVED FOR PROJECT 5108 BID 10360. There will be existing sanitary facilities upon commencement of work.

13.05. Field Office. THIS REQUIREMENT IS DELETED FOR PROJECT 5108.

13.06. Telephone and Internet Access. THIS REQUIREMENT IS DELETED FOR PROJECT 5108.

13.07. Cleaning up during and after work. The Contractor, at all times, shall keep the premises free from accumulation of waste materials or rubbish caused by his operations. At the completion of the work, he shall remove all his waste materials and rubbish from and about the project as well as all his tools, construction equipment, machinery, and surplus materials. If the Contractor fails to clean up, the County may do so and the cost thereof shall be charged to Contractor as provided in paragraph 31.02.

ARTICLE 14. MATERIALS.

14.01. Materials provided by Contractor. Except as otherwise expressly stated in this contract, Contractor shall provide and pay for all materials, labor, tools, equipment, water, lights, power, transportation, superintendence, temporary constructions of every nature, and all other services and facilities of every nature whatsoever necessary to execute and complete this contract within the specified time.

14.02. Quality of materials. Unless otherwise specified, all materials shall be new and both workmanship and materials shall be of good quality.

14.03. Provision and storage of materials. Materials shall be furnished in ample quantities and at such times as to ensure uninterrupted progress of work and shall be stored properly and protected as required. Contractor shall be entirely responsible for damage or loss by weather or other causes to materials or work under this contract. All stored items shall be inventoried, specified by identification numbers (if applicable), released to County by sureties of the Contractor and, if stored offsite, stored only in a reputable bonded warehouse.

14.04. Substitution of materials. Whenever in the specifications any materials, process, or article is indicated or specified by grade, patent, or proprietary name or by the name of the manufacturer, such specification shall be deemed to be used for the purpose of facilitating the description of the material, process, or article desired and shall be deemed to be followed by the words "or equal," and Contractor may, unless otherwise stated, offer any material, process, or article which shall in every respect be substantially equal to or better than that specified. The burden of proof as to equality of any material,

process, or article shall rest with Contractor. Contractor shall submit any request for substitution, together with any substantiating data, within (35) thirty-five days after the award of this contract. These provisions authorizing submission of "or equal" justification data shall not in any way authorize an extension of time for performance of this contract. In the event Contractor-furnished material, processes, or articles that are more expensive than those specified, the difference in cost so furnished shall be borne by Contractor. Requests for substitution of products, materials or processes other than those specified must be accompanied by evidence whether or not the proposed substitution: (1) is equal in quality and serviceability to the specified item; (2) will not entail changes in detail and construction of related work; (3) will be acceptable in consideration of the required design and artistic effect; (4) will not provide a cost disadvantage to Architect or County. Contractor shall promptly provide, upon request, any other information that may be required of it to assist Architect and County in determining whether the proposed substitution is acceptable. The final decision shall be that of the Architect and the County. County's and Architect's approval shall be in writing, shall follow the procedure for change orders, and shall be required for the use of a proposed substitute material. County may condition its approval of the substitution upon delivery to County of an extended warranty or other assurances of adequate performance of the substitution.

ARTICLE 15. CHANGES IN THE WORK.

15.01. Change orders. The County, without invalidating the contract, may order changes in the work within the general scope of the contract consisting of additions, deletions, or other revisions. The contract sum and the time for performance of the work shall be adjusted accordingly. All such changes in the work shall be authorized by change order, and shall be executed under the applicable conditions of the contract documents. The contract sum and the time for performance of the work may be changed only by change order.

The amount to be paid to the Contractor pursuant to the Contract Documents shall, where applicable, be increased or decreased in the manner hereinafter set forth; provided however, that if the Contractor should proceed with a Change in the Work upon an oral order, by whomsoever given, it shall constitute a waiver by the Contractor of any claim for an increase in the Contract Sum on account thereof. Upon receipt of said written Change Order or Written Directive, the Contractor shall promptly proceed with the Change in the Work, even though the amount of any resultant increase or decrease in the contract sum has not yet been determined. All Changes in the Work shall be performed in accordance with the Contract Documents.

15.02. Method to calculate adjustments in contract price. Determination of the method to be used to calculate adjustments in the Contract Price shall be at the sole discretion of the County. The use by the Contractor of the Total Cost Method (calculating the total sum of expenses incurred on the project, less amounts paid, marked up by overhead and profit) of pricing changes and claims is expressly prohibited (provided however, the County may use a "make whole" analysis to determine the reasonableness of the Contractor's claim). One of the following methods shall be used:

(a) Unit Price Method:

1. Whenever County or its representative authorizes Contractor to perform on a Unit Price basis, County's authorization shall clearly state the:
 - a. Scope of Work to be performed;

- b. Applicable Unit Price; and
 - c. Not to exceed amount of reimbursement as established by the County.
2. The applicable unit price shall include reimbursement for all direct and indirect costs of the Work, including overhead and profit.
 3. Contractor shall only be paid under this method for the actual quantity of materials incorporated in or removed from the Work and such quantities must be supported by field measurement statements verified by County.

(b) Firm Fixed Price Method:

1. The Contractor and County may mutually agree on a fixed amount as the total compensation for the performance of changed work.
2. Any adjustments to the Contract Price using the Firm Fixed Price Method shall include, when appropriate, all reasonable costs for labor, equipment, material, overhead and profit. Such overhead and profit shall be calculated in accordance with provision 15.04(b)(4)F.
3. Whenever the County authorizes Contractor to perform changed work on a Firm Fixed Price Method, the County's authorization shall clearly state:
 - a. Scope of Work to be performed
 - b. Total Fixed Price payment for performing such work

(c) Time and Materials Method:

1. Whenever the County authorizes the Contractor to perform Work on a Time and Material basis, County's authorization shall clearly state:
 - a. Scope of Work to be performed;
 - b. A not to exceed amount of reimbursement as established by the County.
2. Contractor shall:
 - a. Cooperate with County and assist in monitoring the Work being performed;
 - b. The Contractor's and subcontractors' labor hours, materials, and equipment charged to work under the Time and Materials Method shall be substantiated by detailed time cards or logs completed on a daily basis before the close of business each working day. The Contractor shall initial each time card and/or log at the close of each working day. Records of the Contractor and Subcontractors pertaining to work paid for on a Time and Material method shall be maintained and available for inspection as requested by the County or its representatives;
 - c. Perform all work in accordance with this provision as efficiently as possible; and
 - d. Not exceed any cost limit(s) without County's prior written approval.
3. Contractor shall submit costs and any additional information requested by the County to support Contractor's requested price adjustment.

No change in the Contract Price shall be allowed to the extent (1) Contractor's changed cost of performance is due to the fault, acts, or omissions of Contractor, or anyone for whose acts or omissions Contractor is responsible; (2) the change is concurrently caused by Contractor and County; or, (3) the change is caused by an act of *Force Majeure*.

The County shall not be responsible for, and the Contractor shall not be entitled to, unallowable costs. Unallowable costs include, but are not limited to, (1) interest or attorney's fees of any type other than

those mandated by California statutes, (2) claim preparation or filing costs, (3) the cost of preparing or reviewing Change Proposals or Requests for Change Orders, (4) lost profits, lost income or earnings, (5) rescheduling costs, (6) costs for idle equipment when such equipment is not at the Site, has not been employed in the Work and is not scheduled to be used at the Site, (7) lost earnings or interest on unpaid retention, (8) claims consulting costs, (9) the costs of corporate officers or staff visiting the Site or participating in meetings with the County, (10) any compensation due to the fluctuation of foreign currency conversions or exchange rates, (11) loss of other business, and (12) any other special, consequential, or incidental damages incurred by the Contractor or subcontractors.

15.03. Signatures on change orders. A change order shall be in writing and shall be signed by the County's Project Manager and the Architect and the County Contracts/Purchasing Officer. Alternatively, the change order may be signed by the Architect or Project Manager alone, provided he has written authority from the County for such procedure and that a copy of such written authority is furnished to the Contractor if he agrees to the adjustment in the contract sum or the contract time. Except as otherwise provided herein, the change order shall also be signed by the Contractor in order to be effective, indicating the Contractor's consent to the changes made.

15.04. Determining cost or credit for change order.

(a) The cost or credit to the County resulting from a Change in the work shall be determined in one or more of the following ways:

1. by mutual acceptance of a lump sum for work and materials properly itemized;
2. by unit prices stated in the contract documents or subsequently agreed upon; or
3. as provided in subsection B.

(b) All parties to the agreement shall observe the following procedures for all change proposals and shall require all subcontractors to follow the same procedures:

1. Each change proposal will carry a unique identifying number, such as C-001, A-001 or O-001 which identifies the originator, i.e. C = Contractor, A = Architect, O = Owner and a chronological serial number. All correspondence referring to that change order, no matter who originates the correspondence, shall refer to the same identifying number. Any change proposal without such number shall be returned to the originator.
2. The items of Work involved shall be identified by specific reference to drawing and detail number and specification section if possible.
3. The quantities of material or other Work involved will be identified along with the costs thereof. The items of Work shall be arrayed in a manner that is consistent with the Construction Specifications Institute (CSI) (48) forty-eight division uniform system for classifying construction activities used for the schedule of values for each project component.
4. The total cost of a change proposal shall be limited to the following elements of cost, overhead, and profit:
 - a. Labor - For all labor, including foreman supervision, but excluding general superintendents, as may be necessary, the Contractor shall be reimbursed for labor costs as provided herein. The labor cost of a change in the work shall be calculated as the sum of the following.
 - i. Wages of labor on the Contractor's payroll, including foreman, directly engaged in the Work; hourly rates for each classification of worker shall be identified;

- ii. Engineering and drafting performed;
 - iii. Fringe benefits established by the governing trade organizations;
 - iv. Federal Insurance Contributions Act costs and Federal and State Unemployment Taxes;
 - v. Net actual premium change for Commercial Liability, Workers' Compensation, Property Damage, and any other forms of Insurance.
- b. Material – The cost of materials resulting from a change in the Work shall be calculated in one or more of the following methods, at the County’s election:
- i. Invoice Cost – The Contractor may be paid the actual invoice cost of materials including actual freight and express charges and applicable taxes less all available discounts, rebates, and back charges, notwithstanding the fact that they may not have been taken by the Contractor. This method shall be considered only to the extent the Contractor’s invoice costs are reasonable and the Contractor provides copies of vendor invoices, freight and express bills, and other evidence of cost accounting and payment satisfactory to the County. As to materials furnished from the Contractor’s stocks for which an invoice is not available, the Contractor shall furnish an affidavit certifying its actual cost of such materials and such other information as the County may reasonably require;
 - ii. Wholesale Price – The Contractor may be paid the lowest current wholesale price for which the materials are available in the quantities required, including customary costs of delivery and all applicable taxes less all available discounts, rebates, and back charges; or,
 - iii. County-Furnished Materials – The County reserves the right to furnish such materials as it deems advisable, and the Contractor shall have no Claim for costs, overhead or profit on such materials.
- c. Equipment – The additional cost, if any, of machine-power tools and equipment usage shall be calculated in accordance with the following:
- i. Equipment Rates – The Contractor’s own charge rates may be used if verified and approved by the County and based on the Contractor’s actual ownership and operating cost experience. Rental rates contained in published rate guides may be used if their cost formulas and rate factors are identifiable, reflect the Contractor’s historical acquisition cost, utilization and useful life, and do not include replacement cost, escalation contingency reserves, general and administrative expense, or profit. Rates shall be based on the Contractor’s actual allowable costs incurred or the rates established according to the Rental Rate Blue book for Construction Equipment, published by Machinery Information Division of PRIMEDIA, whichever is less. The rental Rate Blue Book established rate shall be the monthly rate for the equipment plus the monthly rate for required attachments, divided by 176, plus the hourly operating cost, multiplied by the appropriate area adjustment factor if appropriate. The rates shall apply for actual equipment usage up to eight hours per day. For all hours in excess of eight hours per day or 176 hours per month, the established monthly rate shall be divided by 352, plus the hourly operating cost, multiplied by the area adjustment factor, if appropriate.
 - ii. Transportation – If necessary equipment is not already at the Site and it is not anticipated that it would be required for the performance of other work under the terms of

the Contract, the calculation shall include a reasonable amount for the costs of the necessary transportation of such equipment.

iii. Standby – The Contractor shall only be entitled to standby equipment costs if (a) the equipment is ready, able, and available to do the Work at a moment's notice; (b) Contractor is required to have equipment standby because of an event or condition solely caused by the County; and (c) the Contractor can demonstrate that it could have and intended to use the equipment on other projects or jobs. The Contractor shall be compensated at 50% of the adjusted hourly rate identified in the Rental Rate Blue Book for Construction Equipment, published by Machinery Information Division of K-111 Directory Corp. Standby shall not be paid during periods of Contractor-caused delay, concurrent delay, unusually severe weather conditions, during any seasonal shutdown, routine maintenance, downtime or occurrence specified in the Contract Documents. No payment shall be made for a 24-hour period. Standby costs shall not be paid for weekends, holidays, and any time the equipment was not intended to be used on the project as demonstrated by the Project Schedule.

d. Subcontractors' Cost – The Subcontractor's cost of Work shall be calculated and itemized in the same manner as prescribed herein for Contractor.

e. Bonds - Itemized statement of changes in costs of bonds.

f. Markup – The allowed markup for change order work shall not exceed the following two items:

- i. 10 percent (10%) combined overhead and profit markup for the Contractor performing the actual change order work and,
- ii. 5 percent (5%) combined overhead and profit markup on the direct costs for the Contractor's markup of subcontractor work. In no event shall the total combined overhead and profit markup for the Contractor and all intermediate tier subcontractors and suppliers exceed 15 percent (15%) of the direct cost to perform the Change Order Work. Direct costs shall include Labor (as defined in provision 15.04(b)(4)A, Materials (as defined in provision 15.04(b)(4)B, Equipment (as defined in provision 15.04(b)(4)C, Subcontractor Costs (as defined in provision 15.04(b)(4)D, Bond (as defined in provision 15.04(b)(4)E. All other costs shall be deemed overhead costs. Profit markup shall be allowed on delay, acceleration, unabsorbed overhead, or any other asserted impact costs.

g. Taxes - Taxes required to be paid by the Contractor, but not included above.

(c) Invoices or quotes shall accompany Change Proposals from vendors. Change proposals shall be sent to the Project Manager and County Contracts/Purchasing Officer in duplicate, who shall maintain a database of all proposals which can readily determine the location and status of the change request. Change proposals shall include all cost backup, including breakdown of hours expended by jobsite personnel per task with or without overall execution of the work. Lump sum change proposals lacking necessary backup, as determined by County, will not be accepted or approved.

- (d) All change proposals shall be checked by the Architect and Project Manager for accuracy and fairness. Should contractor utilize SMACNA or NECA cost estimating standards, they will use 70 percent (70%) of the most favorable labor productivity rates.
- (e) When the final costs are agreed upon by the County, the Contractor, and the Architect, a change order will be prepared by the County for signature by the County, Contractor, the Project Manager and Architect. The Change Order shall be the record document defining the costs and time extensions, if any, of the required and agreed-to change in the Work. A Change Order calculated in accordance with the provisions of this Agreement shall be full and complete compensation and final settlement of all changes and claims for all (a) time; (b) direct, indirect, and overhead costs; (c) profit; and (d) any and all costs or damages associated with delay, inconvenience, disruption of schedule, impact, ripple effect, loss of efficiency or productivity, acceleration of work, lost profits, and/or any other costs or damages related to any work either covered or affected by the changed work, or related to the events giving rise to the change.
- (f) The Contractor shall keep and present, in the American Institute of Architects' format, an itemized accounting together with appropriate supporting data. Pending final determination of cost to the County, payments on account shall be made on the Contractor's certificate for payment. The amount of credit to be allowed by the Contractor to the County for any deletion or change which results in a net decrease in cost will be the amount of the actual net decrease as confirmed by the Architect and Project Manager. When both additions and credits are involved in any one change, the allowance for overhead and profit shall be figured on the basis of net increase, if any.
- (g) If no agreement can be reached on changes in the work or costs, or the Contractor refuses to accept a Change Order, the County may issue the Change Order unilaterally. The Contractor shall comply with the requirements of the Change Order. The County shall provide for an equitable adjustment to the Contract Price and compensate Contractor accordingly. If the Contractor does not agree that the adjustment is equitable, it may submit a claim in accordance with Article 30. If Contractor refuses to comply with the Change Order, County may have the work done by another contractor or its own forces.

15.05. Changes requiring an increase in contract sum.

- (a) If the County elects to have the Change in the Work performed on a lump sum basis, its election shall be based on a lump sum proposal which shall be submitted by the Contractor to the County within five (5) workdays of the County's request therefore, but the County's request for a lump sum proposal shall not be deemed an election by the County to have the Change in the Work performed on a lump sum basis.
- (b) If the County elects to have the Change in the work performed on a unit-cost basis, its election shall be based on a unit price proposal which shall be submitted by the Contractor to the County within five (5) workdays of the County's request therefore, but the County's request for a unit price proposal shall not be deemed an election by the County to have the Change in the work performed on a unit price basis.

(c) If the County elects to have the Change in the work performed on a time and material basis, the same shall be performed, its election shall be based on a time and materials price proposal which shall be submitted by the Contractor's within five (5) workdays of the County's request therefore, but the County's request for a time and materials price proposal shall not be deemed an election by the County to have the Change in the work performed on a time and materials basis.

(d) Nothing herein contained shall preclude the County from requesting a lump sum proposal, a unit price proposal, and a time and materials price proposal, or any two of those, with respect to the same Change in the Work, in which event, the Contractor shall submit all proposals requested. .

(e) Until such time as the County makes its election under this paragraph, the Contractor shall submit daily time and material tickets to the County as required under subparagraph (c) and section 15.04(b), which shall be subject to authentication as therein provided. At such time as the County makes its election under this paragraph, an appropriate Change Order will be issued; provided however, that until such time, the County shall pay to the Contractor up to the County's reasonable estimated value of the Change in the Work.

(f) The Contractor's proposal shall be in compliance with sections 15.02, 15.03, 15.04 of the General Conditions.

15.06. Changes requiring a decrease in contract sum. If the Change in the Work will result in a decrease in the contract sum, the County may request a quotation by the Contractor of the amount of such decrease for use in preparing a Change Order. The Contractor's quotation shall be forwarded to the County within five (5) days of the County's request and, if acceptable to the County, shall be incorporated in the Change Order. If not acceptable, the parties shall make every reasonable effort to agree as to the amount of such decrease, which may be based on a lump sum properly itemized, on unit prices stated in the Contract Documents and/or on such other basis as the parties may mutually determine. If the parties are unable to so agree, the amount of such decrease shall be the total of the estimated reduction in actual cost of the work, as determined by the County in its reasonable judgment, plus ten percent (10%) thereof as overhead and profit. The Contractor's proposal shall be in compliance with sections 15.02, 15.03 & 15.04 of the General Conditions.

15.07. Changes affecting contract time. If the Change in the Work will result in an extension or contraction of the contract time, and the parties are unable to agree as to the number of days by which the contract time will be extended or contracted, the County shall not be required to make its determination until the work has been completed, at which time its determination shall be based on a review of the Contractor's books and records relating to the time involved in performing the Change in the Work and on the County's judgment as to whether the Contractor diligently performed the same.

15.08. Disputes regarding changes. If any dispute should arise between the parties with respect to an increase or decrease in the Contract Sum or an expansion or contraction in the contract time as a result of a Change in the Work, the Contractor shall not suspend performance of a Change in the Work or the Work itself unless otherwise so ordered by the County in writing. The County shall, however, pay to the Contractor up to the County's reasonable estimate of the value of the Change in the Work, regardless of the dispute, if said Change in the Work results in an increase in the Contract Sum; and the County shall have the right to decrease the Contract Sum to the County's reasonable estimated value of

the Change in the Work, regardless of the dispute, if said Change in the Work results in a decrease in the contract sum.

15.09. Adjustment of unit prices. If unit prices are stated in the contract documents or subsequently agreed upon, and if the quantities originally contemplated are so changed in a proposed change order that application of the agreed unit prices to the quantities of work proposed will create a hardship on the County or the Contractor, the applicable unit prices shall be equitably adjusted to prevent such hardship.

15.10. Concealed conditions. If concealed conditions encountered in the performance of the work below the surface of the ground are at variance with the conditions indicated by the contract documents, or if previously unknown physical conditions encountered below the surface of the ground are of an unusual nature, differing materially from those generally recognized as inherent in work of the character and in the location provided for in this contract, or should concealed or unknown conditions in an existing structure be at variance with the conditions indicated in the contract documents or be of an unusual nature, at variance with those ordinarily encountered and generally inherent in the work to be performed, then the contract sum shall be equitably adjusted by change order upon claim by either party made within twenty (20) days after first observing the conditions.

15.11. Claims for additional cost. All claims for additional compensation or for an increase in the contract sum shall be made as provided in Article 30. Any change in the contract sum resulting from such claim shall be authorized by change order.

15.12. Minor changes in the work. Subject to approval by the County, the Architect or Project Manager may order minor changes in the work not involving an adjustment in the contract sum or an extension of the contract time and not inconsistent with the intent of the contract documents. Such changes may be made by field order or by other written order. Such changes shall be binding on the County and the Contractor.

15.13. Field orders. Subject to approval by the County, the Architect or Project Manager may issue written Field Orders, which interpret the contract documents or order minor changes in the work without change in contract sum or contract time. The Contractor shall carry out such Field Orders promptly.

15.14. Limitations. Except as expressly provided by this Section, there shall be no change whatsoever in the plans and specifications and in the work. Contractor shall not vary the work, the contract documents, or change, add to or omit any element, component part, or portion of the work without the express written consent of County's Project Manger or the Architect contained in an executed change order or field order as herein provided. County shall not be liable for the cost for any extra work or any substitutions, changes, additions, omissions, or deviations from the plans and specifications unless the same have been authorized by and the cost thereof approved in writing by change order. No extension of time for performance of the work shall be allowed hereunder unless claim for such extension shall be made at the time changes in the work are ordered and such duly adjusted in writing by County and Architect. Contractor recognizes and acknowledges that timely completion of the work is paramount and that its duty is to proceed with the work in accordance with the contract documents,

notwithstanding any request for change in the work, to the extent that proceeding is reasonable and feasible under the circumstances.

15.15. Review of Contract Documents. The Contractor shall carefully study and compare the Contract Documents, including but not limited to, the Agreement, general conditions, drawings, specifications, addenda, and modifications and shall at once report to the Project Manager and County Contracts/Purchasing Officer any error, inconsistency, or omission it may discover. The Contractor shall not work without proper drawings and specifications or interpretations. If the Contractor performs any construction activity knowing it involves a recognized error, inconsistency or omission in the Contract Documents without such notice to the Project Manager and County Contracts/Purchasing Officer, the Contractor shall assume appropriate responsibility for such performance and shall bear an appropriate amount of the costs attributable for correction.

15.16. Requests for Information. The Contractor shall review any Request for Information (RFI), or other Contractor or subcontractor-initiated request for information prior to submission to the Architect and Project Manager to ensure that the information requested in such RFI is not already provided in the Contract Documents. RFI submittals shall come only from the Contractor (not from any subcontractors). The Contractor shall prepare the RFI in an RFI form approved by the Architect which shall include a detailed description of the conditions, cause and/or reason for the request. The RFI shall also include a proposed resolution. Each RFI shall reference the applicable Construction Documents. A transmittal letter over a subcontractor's RFI does not constitute an approved form.

ARTICLE 16. UNCOVERING AND CORRECTION OF WORK.

16.01. Uncovering of work.

- (a) If any work is covered contrary to the request of the Architect, it must, at the request of the Project Manager, be uncovered for his observation and replaced at the Contractor's expense.
- (b) The Project Manager may ask to see any other work that has been covered prior to its inspection by the Project Manager, and the Contractor shall uncover the work. If such work is found to be in accordance with the contract documents, the cost of uncovering and replacement shall, by appropriate change order, be charged to the County. If such work is found not to be in accordance with the contract documents, the Contractor shall pay such costs unless it is found that a separate contractor caused this condition, and in that event, the County shall be responsible for the payment of such costs.

16.02. Correction of work.

- (a) The Contractor shall promptly correct all work rejected by the Project Manager as defective or as failing to conform to the contract documents whether observed before or after substantial completion and whether or not fabricated, installed, or completed. The Contractor shall bear all cost of correcting such rejected work, including the cost of the Project Manager's additional services made necessary thereby.
- (b) All such defective or non-conforming work shall be removed from the site if necessary, and the work shall be corrected to comply with the contract documents without cost to the County.

(c) The Contractor shall bear the cost of making good all work of separate contractors destroyed or damaged by such removal or correction.

16.03. Contractor's failure to remove defective work. If the Contractor does not remove such defective or non-conforming work within a reasonable time fixed by written notice from the Project Manager, the County may remove it and may store the materials or equipment at the expense of the Contractor. If the Contractor does not pay the cost of such removal and storage within ten (10) days thereafter, the County may upon ten (10) additional days' written notice sell such work at auction or a private sale and shall account for the net proceeds thereof, after deducting all the costs that should have been borne by the Contractor including compensation for additional architectural services. If such proceeds of sale do not cover all costs, which the Contractor should have borne, the difference shall be charged to the Contractor and an appropriate change order shall be issued. Such change order shall not require the Contractor's consent to be effective. Said amount may be deducted from any payment thereafter due to the Contractor under this or any other contract with County. If the payments then or thereafter due the Contractor are not sufficient to cover such amount, the Contractor shall pay the difference to the County.

16.04. Contractor's failure to correct defective work. If the Contractor fails to correct such defective or non-conforming work, the County may correct it in accordance with paragraph 31.02.

16.05. Acceptance of defective or non-conforming work. If the County prefers to accept defective or non-conforming work, it may do so instead of requiring its removal and correction, in which case a change order will be issued to reflect an appropriate reduction in the contract sum, or, if the amount is determined after final payment, it shall be paid by the Contractor. The issuance of the final certificate, final payment, or any provisions in the contract documents shall not relieve Contractor of responsibility for faulty materials, equipment, or workmanship. Contractor shall remedy any defects due to, and pay for any damage to, other work in accordance with the applicable guaranty or warranty provisions of the Contract Documents.

16.06. Emergency corrective action by County. If, in the opinion of the County, defective work creates a dangerous condition or requires immediate correction or attention to prevent further loss to the County or third parties or to prevent interruption of operations of the County or third parties, the County will attempt to give notice to Contractor. If Contractor cannot be contacted promptly or does not comply with the County's request for correction within a reasonable time as determined by the County, the County may, notwithstanding the provisions of this contract, proceed to make such correction or provide such attention and the costs of such correction or attention shall be charged against the Contractor. Such action by the County shall not relieve Contractor of any warranty obligations provided in this contract.

PART III. SAFETY.

ARTICLE 17. PROTECTION OF PERSONS AND PROPERTY.

17.01. Contractor's responsibility for safety. The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the work. The

Contractor shall take all reasonable precautions for the safety of, and shall provide all reasonable protection to prevent damage, injury, or loss to:

- (a) all employees on the work and all other persons who may be affected thereby;
- (b) all the work and all materials and equipment to be incorporated therein, whether in storage on or off the site, under the care, custody, or control of the Contractor or any subcontractor; and
- (c) other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

17.02. Compliance with safety requirements. The Contractor shall comply with all applicable laws, ordinances, rules, regulations, and lawful orders of any public authority having jurisdiction for the safety of persons or property or to protect them from damage, injury, or loss. He shall erect and maintain, as required by existing conditions and progress of the work, all reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations, and notifying owners and users of adjacent utilities.

17.03. Trench safety. For all trenches to be made in connection with the work, the contractor shall submit a detailed plan showing the design of shoring, bracing, sloping or other provisions to be made for worker protection from the hazard of caving ground during the excavation of such trenches. If such plan varies from the shoring system standards, a registered civil or structural engineer shall prepare the plan. The plan shall be reviewed, and must receive approval as adequate to protect worker safety, by the County or by a registered civil or structural engineer employed by the County, in advance of excavation. The shoring, sloping, or protective system must be at least as effective as that required by the Construction Safety Orders. See Labor Code section 6705. NOTE: there is trenching to be done, does this apply? As long as everything is replaced to it's original state we are ok

17.04. Hazardous substance. The term "hazardous substance" means any substance on the list of hazardous substances established by the Director of Industrial Relations pursuant to the Labor Code section 6382, which includes asbestos, lead, toxic chemicals, contaminants, any substance designated by the Environmental Protection Agency as a hazardous substance, and other pollutants and contaminants.

(a) If Contractor encounters on the property any substance reasonably believed to be a Hazardous Substance that has not been rendered harmless, i.e., not potentially hazardous to human health, Contractor shall immediately stop work in the area affected and report the condition to the County's Project Manager and Contracts/Purchasing Officer in writing.

(b) Neither the Contractor nor any subcontractor shall cause or permit any Hazardous Substance to be brought upon the property or used in the work without the prior written consent of the County. Contractor and each subcontractor shall comply with all laws regarding the handling, treatment, presence, removal, storage, decontamination, cleanup, transportation, or disposal of Hazardous Substances brought onto the property by Contractor, its Subcontractors, and/or their personnel.

(c) Any handling, treatment, removal, decontamination, cleanup, transportation, disposal, or disturbance in any of Hazardous Substances shall only be performed by the Contractor or any subcontractor licensed and certified to perform the work. Any hazardous substance abatement or remediation work will be performed in such a way that is legally consistent with the recommendations of the certified County agent, appropriate governmental agencies, and all applicable laws.

(d) If there is a Hazardous Substance on the property, Contractor shall protect adjoining property and shall provide barricades, temporary fences, and covered walkways required to protect the health and safety of passersby as required by this Agreement, prudent construction practices, and all applicable laws.

17.05. Contractor's safety monitor. The Contractor shall designate a responsible member of his organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated in writing by the Contractor to the County.

17.06. Unsafe loading. The Contractor shall not load or permit any part of the work to be loaded so as to endanger its safety.

17.07. Emergencies. In any emergency affecting the safety of persons or property, the Contractor shall act, at his discretion, to prevent threatened damage, injury, or loss. Any additional compensation or extension of time claimed by the Contractor on account of emergency work shall be determined as provided in Article 15 for changes in the work.

17.08. Accidents. Contractor shall promptly report in writing to the Architect and County all accidents whatsoever arising out of, or in connection with the performance of the work, whether on or off the site, which caused death, personal injury, or property damage, giving full details and statements of witnesses. In addition, if death or serious injuries or serious damages are caused, Contractor shall report the accident immediately to the Project Manager by telephone or messenger. Contractor shall thereafter promptly report the facts in writing to the Architect and County Contracts/Purchasing Officer giving full details of the accident.

PART IV. PAYMENTS.

ARTICLE 18. PROGRESS PAYMENTS.

18.01. Monthly progress payments. Monthly progress payments shall be made to the Contractor, as provided in this Article. NOTE: This does not apply as we should be done within 15 days or so – should we change?

18.02. Schedule of values. Before Contractor submits any application for payment, the Contractor shall submit to the Project Manager a schedule of values of the various portions of the work, to be used to enable the County to estimate the timing and amounts of the successive progress payments. If required by the Project Manager, the schedule shall include quantities aggregating the total contract sum, divided so as to show the Contractor's anticipated payments to subcontractors. The schedule shall be prepared in such form as may be specified in the contract documents or by the Project Manager, or

as may be agreed upon by the Project Manager and the Contractor. The schedule shall include such data as the Project Manager may require substantiating its correctness. Each item in the schedule shall include its proper share of overhead and profit. This schedule, when approved by the Project Manager, shall be used only for preparing and reviewing the Contractor's applications for payment, and will not be considered as fixing a basis for additions to or deductions from the contract sum.

18.03. Application for payment. On or before the fifth day of each month, the Contractor shall submit to the Project Manager an application for payment including a schedule of values, requesting payment for the work completed up to the end of that same month, using the standard AIA form for requesting progress payments or such other form as may be prescribed by County. The application shall be itemized by task and shall be supported by such data substantiating the Contractor's right to payment as the County or the Project Manager may require.

18.04. Payment for stored materials and equipment. If payments are to be made on account of materials or equipment not incorporated in the work but delivered and suitably stored at the site, or at some other location agreed upon in writing, such payments shall be conditioned upon submission by the Contractor of bills of sale or such other procedures satisfactory to the County to establish the County's title to such materials or equipment or otherwise protect the County's interest including applicable insurance and transportation to the site.

18.05. Certificates for payment. If the Contractor has made application for payment as above, the Project Manager will, with reasonable promptness but not more than ten (10) days after the receipt of the application, issue a certificate for payment to the County, with a copy to the Contractor, for such amount as he determines to be properly due, or state in writing his reasons for withholding a certificate as provided in paragraph 19.01. A payment request determined not to be a proper payment request suitable for payment will be returned to the Contractor within seven (7) days with a statement setting forth the reasons why the payment request is not proper. The final payment, if unencumbered, or any part thereof, unencumbered, shall be made not later than 60 days after completion of the work and submission of all completion documents. Payments shall be made on demands drawn in the manner required by law, accompanied by a certificate signed by the Project Manager, stating the work for which payment is demanded has been performed in accordance with the terms of the contract. Contractor is entitled to interest pursuant to Public Contract Code Section 20104.50 if County fails to make the progress payment within 30 days after receipt of an undisputed properly submitted payment request.

18.06. Findings to issue certificate. In determining to issue a certificate of payment, the Project Manager must make the following findings, based on his observations at the site, the schedule of values, and the data included in the application for payment:

- (a) that the work has progressed to the point indicated;
- (b) that, to the best of his knowledge, information, and belief, the quality of the work is in accordance with the contract documents (subject to an evaluation of the work for conformance with the contract documents upon substantial completion, to the results of any subsequent tests required by the contract documents, to minor deviations from the contract documents correctable prior to completion, and to any specific qualifications stated in his certificate); and

(c) that the Contractor is entitled to payment in the amount certified.

18.07. Amount of progress payment. The amount of each progress payment shall equal ninety-five percent of the estimated value of work performed up through the last day of the previous month, less the aggregate of all previous payments. The amount of the progress payment may be further reduced by any withholdings or deductions that may be taken from the payment pursuant to other provisions of this contract. For the purpose of determining the amount of any particular progress payment, the value of work completed is only an estimate; such value or estimate shall be used for no other purpose in connection with this contract and shall not be binding on County or Project Manager for any other purpose or any other payment, and County and Project Manager shall have the right to correct any error in such value or estimate for later payments.

18.08. Payment by County. Promptly after the Project Manager has issued a certificate for payment, the County shall submit the appropriate documentation to the Monterey County Auditor, who shall make payment to Contractor within 30 days thereafter. All material and work covered by payments made shall thereupon become the sole property of County, and this provision shall not be construed as relieving Contractor from the continuing responsibility for all materials and work upon which payments have been made or the restoration of any damaged work, or as a waiver of any right of County to require the fulfillment of all terms of this Agreement. Title to all work completed in the course of construction and to all materials, including the specifications and other documents prepared by the Project Manager and/or the Contractor on account of which payment has been made shall be vested in County.

18.09. Limited effect of issuance of certificate or progress payment. By issuing a certificate for payment, the Project Manager shall not thereby be deemed to represent that he has made exhaustive or continuous on-site inspections to check the quality or quantity of the work or that he has reviewed the construction means, methods, techniques, sequences, or procedures, or that he has made any examination to ascertain how or for what purpose the Contractor has used the monies previously paid on account of the contract sum. Further, no certificate for a progress payment, nor any progress payment, nor any partial or entire use or occupancy of the project by the County, shall constitute an acceptance of any work not in accordance with the contract documents.

ARTICLE 19. WITHHOLDING PAYMENTS.

19.01. Grounds for withholding payment. The Project Manager may decline to approve an application for payment and may withhold his certificate as to all or part of the payment amount requested, to the extent reasonably necessary to protect the County, if in his opinion he is not able to make the findings set forth in paragraph 18.06. The Project Manager may also decline to approve payment, in whole or in part, and, based on subsequently discovered evidence or subsequent inspections, he may nullify the whole or any part of any certificate for payment previously issued, to such extent as may be necessary in his opinion to protect the County. Such withholding of the certificate or of any amounts requested by Contractor in connection with the certificate, may be based on any of the following grounds:

(a) defective work not remedied;

(b) third-party claims filed or reasonable evidence indicating probable filing of such claim;

- (c) failure of the Contractor to make payments properly to subcontractors or for labor, materials, or equipment;
- (d) reasonable doubt that the work can be completed for the unpaid balance of the contract sum;
- (e) damage to another contractor;
- (f) reasonable indication that the work will not be completed within the contract time;
- (g) unsatisfactory prosecution of the work by the Contractor;
- (h) stop notices filed for any portion of the work;
- (i) failure or refusal of the Contractor to fully comply with the contract requirements; or
- (j) Contractor's failure to comply within a reasonable time with Article 17 of these conditions.
- (k) Acceptance of work by Project Consultant
- (l) Failure to meet all test measurements brought forth by Project Consultant.
- (m) Failure to meet site certification by Project Consultant

19.02. Application of withheld amounts. County may apply any such withheld amounts to payment of such claims or obligations, in County's sole discretion. In so doing, County shall be deemed the agent of Contractor and any payment so made by County shall be considered as a payment made under contract by County to Contractor. County shall not be liable to Contractor for any such payments made in good faith. Such payments may be made without prior judicial determination of such claim or obligation. County will render to Contractor a proper accounting of any funds so disbursed on behalf of Contractor.

19.03. Payment when grounds removed. When the above grounds for withholding payment are removed by Contractor or by County, payment of the withheld amounts or the remaining balance thereof shall be made to Contractor.

ARTICLE 20. COMPLETION AND FINAL PAYMENT.

20.01. Application for final payment. When the work is complete, the Contractor shall submit to the Project Manager the following documents:

- (a) a written notice that the work is ready for final inspection;
- (b) an application for final payment;

(c) an affidavit that all payrolls, bills for materials and equipment, and other indebtedness connected with the work for which the County might in any way be responsible, have been paid or otherwise satisfied;

(d) the consent of the sureties, if any, to final payment; and

(e) if required by the County, other proof (such as receipts, releases, and waivers of liens) establishing payment or satisfaction of all obligations arising out of the contract, to the extent and in such form as may be designated by the County.

20.02. Bond for outstanding claims or liens. If any person refuses to furnish a release or waiver required by the County, the Contractor may furnish a bond satisfactory to the County to indemnify and defend the County against any claim that might be made against the County or any lien that might be placed against the work on account of such person. If any such claim or lien remains unsatisfied after all payments are made, the Contractor or the surety shall pay to the County all monies that the County may be compelled to pay in discharging such claim or lien, including all costs and reasonable attorneys' fees.

20.03. Inspection and final certificate. Upon receipt of the above documents, the Project Manager will promptly inspect the work. The Project Manager shall issue a certificate for final payment, with copies to both County Contracts/Purchasing Officer and Contractor, if he makes the following findings:

(a) that the work is acceptable under the contract documents;

(b) that the contract has been fully performed;

(c) that to the best of his knowledge, information, and belief, and on the basis of his observations and inspections, the work has been completed in accordance with the terms and conditions of the contract documents;

(d) that all potential liens or claims for subcontractors' services and for labor, equipment and materials on the work have been satisfied or adequately secured;

(e) that the balance noted in the final certificate is due and payable; and

(f) that all necessary approvals of applicable federal, state, or local agencies and/or authorities have been issued.

20.04. Determination not to issue certificate for final payment. If the Project Manager determines that the necessary findings cannot be made to issue a final certificate, the Project Manager shall promptly notify the Contractor in writing of the reasons for such determination. Contractor shall promptly thereafter take appropriate steps to remove the grounds for denial of the final certificate.

20.05. Acceptance by Board of Supervisors. Promptly after the Project Manager issues the certificate for final payment, the matter will be submitted to the County Board of Supervisors for final acceptance of the work. Work on the contract shall be deemed complete when the Board of Supervisors accepts

the work. Not later than ten (10) days after such acceptance, County shall record its notice of completion.

20.06. Effect of final payment as to County. The making of the final payment by the County to Contractor hereunder shall not constitute a waiver of any claims which County may now or hereafter have against Contractor by reason of this Agreement or any other matter related to the work.

20.07. Effect of final payment as to Contractor. The acceptance of final payment shall constitute a waiver of all claims by the Contractor except those previously made in writing and still unsettled.

ARTICLE 21. ALTERNATIVE PAYMENT OF WITHHELD FUNDS.

21.01. Alternatives to withholding. This contract requires a five percent (5%) withholding from progress payments. Progress payments shall not be made in excess of 95 percent of the actual work completed plus a like percentage of the value of material delivered on the ground or stored subject to, or under the control of, the County, and unused. County shall withhold five (5) percent from the progress payments until final completion and acceptance of the project by the Board of Supervisors. At the Contractor's request, the County shall make payment of these funds withheld from progress payments through the use of the escrow procedures provided in this paragraph and either paragraph 21.02 or 21.03. As a prerequisite to compliance with paragraph 21.02 or 21.03, the Contractor shall select an escrow agent, who shall be the County Auditor-Controller or any state or federally chartered bank in California; the parties shall enter into an escrow agreement meeting the requirements of Public Contract Code Section 22300; and the parties shall deposit with the escrow agent the escrow agreement, the withheld portions of the progress payments that have accrued before opening of the escrow, all future withheld portions as they accrue, and all other deposits required below. The Contractor shall pay all expenses incurred in implementing the procedures set forth herein.

21.02. Alternative one: substitution of securities for withheld funds. At the Contractor's request, eligible securities provided by the Contractor, equivalent to the amount withheld, shall be deposited with the escrow agent, who shall then pay the withheld monies to the Contractor. After the initial deposits and disbursements, the County shall deposit all additional amounts to be withheld with the escrow agent as they accrue, and if the Contractor desires their release, the Contractor shall increase the amount of the securities on deposit, if necessary, in order that the value of the securities on deposit shall equal or exceed the total of all amounts currently and previously authorized to be withheld under the contract without the substitution of securities. Upon satisfaction of that condition, the escrow agent shall immediately pay the additional withheld amounts to the Contractor. Upon satisfactory completion of the contract, the securities shall be returned to the Contractor.

21.03. Alternative two: investment of withheld funds. Alternatively, the Contractor may direct that the withheld funds deposited in the escrow be invested in eligible securities. Upon satisfactory completion of the contract, the Contractor shall receive from the escrow agent all securities, interest, and payments received by the escrow agent from the County. The Contractor shall pay to each subcontractor, not later than 20 days after receipt of the payment, the respective amount of interest earned, net of costs attributed to retention withheld from each subcontractor, on the amount of retention withheld to ensure the performance of the Contractor.

21.04. Eligible securities: interest. Securities eligible to be used under the above paragraphs shall include those listed in Government Code Section 16430, bank or savings and loan certificates of deposit, interest-bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed to by the Contractor and the County. The parties must agree upon the value of the securities, as a condition of their deposit in the escrow. The Contractor shall be the beneficial owner of any securities deposited pursuant to this Article 21 and shall receive any interest thereon. The Contractor may withdraw interest earned on securities held in escrow at any time, without notice to the County.

21.05. Inapplicability of Article 21 to certain contracts. The provisions of this Article 21 shall not apply to contracts in which there will be financing provided by the Farmers Home Administration of the United States Department of Agriculture pursuant to the Consolidated Farm and Rural Development Act (7 U.S.C. Sec. 1921 et seq.) and where federal regulations or policies, or both, do not allow the substitution of securities.

PART V. EMPLOYMENT PRACTICES.

ARTICLE 22. APPRENTICES.

22.01. Compliance with Labor Code apprenticeship requirements. Contractor and all subcontractors shall comply with the provisions of Labor Code sections 1777.5, 1777.6, and 1777.7, when applicable, pertaining to apprentices, and with all applicable regulations there under (Title 8, Calif. Code of Regulations, sections 200 et seq., especially sections 227 et seq.), including but not limited to provisions relating to required or permitted ratios of apprentices to experienced workers. When any question exists concerning these requirements, Contractor and/or any subcontractor concerned should contact the Division of Apprenticeship Standards, 525 Golden Gate Avenue, San Francisco, CA, or one of its branch offices, prior to commencement of work. The prime contractor is responsible for ensuring compliance with this section.

22.02. State policy. It is state policy to encourage the employment and training of apprentices on public works contracts in conformity with standards set by law.

ARTICLE 23. NON-DISCRIMINATION PROVISIONS.

23.01. Non-discrimination in employment practices. Contractor shall ensure that the evaluation and treatment of its employees and applicants for employment and all persons receiving and requesting services are free of such discrimination. Contractor and any subcontractor shall, in the performance of this Agreement, fully comply with all federal, state, and local laws and regulations which prohibit discrimination. The provision of services primarily or exclusively to such target population as may be designated in this Agreement shall not be deemed to be prohibited discrimination.

23.02. "Discrimination" defined. As used in this contract, the term "discrimination" includes but is not limited to the illegal denial of equal employment opportunity, harassment (including sexual harassment and violent harassment), disparate treatment, favoritism, subjection to unfair or unequal working

conditions, and/or any other prohibited discriminatory practice. The term also includes any act or retaliation.

23.03. Application of Monterey County Code, Chapter 2.80. The provisions of Monterey County Code, Title 2, Chapter 2.80, apply to activities conducted pursuant to this contract. Contractor and its officers and employees, in their actions under this contract, are agents of the Owner within the meaning of Chapter 2.80, and are responsible for ensuring that their workplace and the services that they provide are free from discrimination, as required by Chapter 2.80. Complaints of discrimination made by Contractor, subcontractor(s), or any of their employees or agents against the Owner may be investigated and resolved using the procedures established by Chapter 2.80. Contractor shall establish and follow its own written procedures for the prompt and fair resolution of discrimination complaints made against Contractor by its own employees, agents and third parties, and shall provide a copy of such procedures to County upon demand by County.

23.04. Compliance with laws. During the performance of this agreement, Contractor shall comply with all applicable federal, state, and local laws and regulations, which prohibit discrimination, including but not limited to the following:

- (a) California Labor Code section 1735;
- (b) California Fair Employment and Housing Act, Government Code sections 12900 et seq., and the administrative regulations issued thereunder, Title 2 California Code of Regulations, sections 7285.0 et seq. (Division 4 - Fair Employment and Housing Commission);
- (c) California Government Code sections 11135 - 11139.5 (Title 2, Div. 3, Part 1, Chap.1, Art. 9.5) and any applicable administrative regulations issued thereunder;
- (d) Federal Civil Rights Acts of 1964 and 1991 (see especially Title VII, 42 USC sections 2000d et seq.), as amended, and all administrative rules and regulations issued thereunder (see especially 45 CFR Part 84); and all guidelines and interpretations issued pursuant thereto;
- (e) The Rehabilitation Act of 1973, sections 503 and 504 (29 USC sections 793 and 794), as amended; all requirements imposed by the applicable HHS regulations (45 CFR Part 84); and all guidelines and interpretations issued pursuant thereto;
- (f) Americans With Disabilities Act of 1990 (P.L. 101- 336), as amended, 42 USC sections 12101 et seq., and 47 USC sections 225 and 611, and any federal regulations issued pursuant thereto (see 24 CFR Chapter 1; 28 CFR Parts 35 and 36; 29 CFR Parts 1602, 1627 and 1630; and 36 CFR Part 1191;
- (g) Unruh Civil Rights Act, California Civil Code sections 51 et seq.; and
- (h) Monterey County Code, Title 2, Chapter 2.80, as amended and procedures issued pursuant thereto.

23.05. Written assurances. Upon request by County, Contractor will give any written assurances of compliance with the Civil Rights Acts of 1964 and 1991, as amended, the Rehabilitation Act of 1973, as amended, the Americans With Disabilities Act of 1990, as amended, and/or Executive Order 11246,

as may be required by the federal government in connection with this contract, pursuant to 45 CFR Sec. 80.4 or 45 CFR Sec. 84.5 or other applicable state or federal regulations.

23.06. Written non-discrimination policy. Contractor shall maintain a written statement of its non-discrimination policies, which shall be consistent with the terms of this agreement. Such statement shall be available to Contractor's employees, the Owner, Owner's officers and employees, and members of the public, upon request.

23.07. Notice to labor unions. Contractor shall give written notice of its obligations under paragraphs 23.01 - 23.09 to labor organizations with which it has a collective bargaining or other agreement.

23.08. Access to records by government agencies. Contractor shall permit access by Owner and by representatives of the California Department of Fair Employment and Housing and the U.S. Equal Employment Opportunity Commission, and any federal and/or state agency providing funds for this contract upon reasonable notice at any time during normal business hours, but in no case on less than 24-hour notice, to such of its books, records, accounts, facilities, and other sources of information as the inspecting party may deem appropriate to ascertain compliance with these non-discrimination provisions.

23.09. Binding on subcontractors. The provisions of paragraphs 23.01 - 23.09 shall also apply to all of Contractor's subcontractors. Contractor shall include the non-discrimination and compliance provisions of these paragraphs in all subcontracts to perform work or provide services under this agreement.

ARTICLE 24. HOURS OF WORK.

24.01. Eight-hour day; 40-hour week. No work shall be performed by employees of Contractors in excess of eight (8) hours per day or 40 hours during any one week, unless such employees are compensated for all such excess hours at not less than one-and-one-half times the basic rate of pay, as provided in Labor Code Sec. 1815. Holiday work when permitted by law shall also be compensated at not less than one-and-one-half times the basic rate of pay.

24.02. Penalties. Pursuant to Labor Code Sec. 1813, the Contractor shall forfeit, as a penalty to the County, \$25 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 40 hours in any one calendar week in violation of the provisions of the Labor Code sections 1810-1815.

24.03. Approvals. Contractor will not be entitled to additional compensation for work performed outside of regular working hours, except to the extent such compensation is approved in writing by Project Manager in advance. If so approved, such compensation shall in such event cover only the direct cost of the premium portion of the time involved, when permitted, and be without any overhead or profit.

ARTICLE 25. PREVAILING WAGES.

25.01. Prevailing wage rates determined. The Director of the California Department of Industrial Relations has determined the general prevailing rate of per diem wages in the locality in which said public work is to be performed for each craft, classification or type of worker needed to execute the contract in accordance with Labor Code sections 1770-75. Copies of the prevailing rate of per diem wages are on file and shall be made available to any interested party on request in the County Contracts and Purchasing office located at 168 West Alisal Street, 3rd Floor, Salinas CA 93901. Current prevailing wage rate schedules can also be found at the California Department of Industrial Relations website located at <http://www.dir.ca.gov/DLSR/PWD/>.

25.02. Payment of prevailing wage rates required. Contractor and all subcontractors performing work under this contract shall pay wages to their workers employed on such work at not less than the general prevailing rate of per diem wages for such work, as required by Labor Code Sec. 1771.

25.03. Penalties. Failure to pay such prevailing wages shall subject the employer to the penalties set forth in Labor Code Sec. 1775.

ARTICLE 26. PAYROLL RECORDS.

26.01. Compliance with Labor Code Sec. 1776. Contractor and all subcontractors shall comply with Labor Code Sec. 1776, the requirements of which are set forth in this article. The Contractor shall be responsible for compliance with these provisions by his subcontractors.

26.02. Accurate payroll records required. Contractor and each subcontractor shall keep accurate payroll records, showing the name, address, social security number, work classification, straight time, and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice worker, or other employee employed by him or her in connection with the public work.

26.03. Certification and inspection of payroll records. The payroll records enumerated under paragraph 26.02 shall be certified and shall be available for inspection at all reasonable hours at the principal office of the Contractor or subcontractor on the following basis:

(a) A certified copy of an employee's payroll record shall be made available for inspection or furnished to such employee or his or her authorized representative on request.

(b) A certified copy of all payroll records enumerated in paragraph 26.02 shall be made available for inspection, or furnished upon request to a representative of County, the Division of Labor Standards Enforcement, or the Division of Apprenticeship Standards of the Department of Industrial Relations.

(c) A certified copy of all payroll records enumerated in paragraph 26.02 shall be made available upon request to the public for inspection or copies thereof made; provided, however, that a request by the public shall be made through the County, the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement. The public shall not be given access to such records at the principal offices of the Contractor.

26.04. Filing of records. The Contractor and each subcontractor shall file a certified copy of the records enumerated in paragraph 26.02 with the entity that requested such records within ten (10) days after receipt of a written request.

26.05. Elimination of personal identification. Any copy of records made available for inspection as copies and furnished upon request to the public or any public agency by the County, the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address, and social security number. The name and address of the Contractor or subcontractor awarded the contract or performing the contract shall not be marked or obliterated. Any copy of records made available for inspection by, or furnished to, a joint labor-management committee established pursuant to the Federal Labor Management Cooperation Act of 1978 (29USC 175a) shall be marked or obliterated only to prevent disclosure of an individuals name and social security number.

26.06. Notice to County concerning location of records. The Contractor and each subcontractor shall inform the County as to the location of the records enumerated under paragraph 26.02, including the street address, city, and county, and shall, within five (5) workdays, provide a notice of any change of location and address.

26.07. Notice of non-compliance; penalties. In the event of non-compliance with the requirements of this section, the Contractor or subcontractor shall have ten (10) days in which to comply subsequent to receipt of written notice specifying in what respects such Contractor or subcontractor must comply with this section. Should non-compliance still be evident after such 10-day period, the Contractor or subcontractor shall, as a penalty to the County, forfeit \$25 for each calendar day, or portion thereof, for each worker, until strict compliance is effected. Upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement, such penalties shall be withheld from progress payments then due.

PART VI. LEGAL RELATIONS.

ARTICLE 27. COMPLIANCE WITH LAWS.

27.01. Compliance with laws. The Contractor shall give all notices and comply with all laws, ordinances, rules, regulations, and orders of any public authority bearing on the performance of the work. If the Contractor observes that any of the contract documents are at variance therewith in any respect, he shall promptly notify the Project Manager in writing, and any necessary changes shall be adjusted by appropriate modification. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, rules, and regulations, and without such notice to the Project Manager, he shall assume full responsibility therefore and shall bear all costs attributable thereto. Without limitation of any other provision hereof, if Contractor performs any work which is contrary to such laws, ordinances, codes, rules and regulations, Contractor shall without additional reimbursement or extension of time make all changes and bear all costs as required to comply.

27.02. Rules of governing agencies. All work and materials shall be in full accordance with the Rules and Regulations of the State Fire Marshall, the Safety Orders of the Division of Industrial Safety, and all other applicable codes and regulations.

27.03. Compliance with uniform codes. All work and materials shall comply with the current editions of the California Building Code, the National Electric Code, the Uniform Plumbing Code, the Uniform Mechanical Code, and the Uniform Administrative Code, as adopted and amended by the local jurisdiction in which the construction project takes place.

27.04. Statutory regulation of public works. This contract is subject to all statutes of the State of California regulating the performance of work by a public agency or political subdivision of such state, and particularly the following:

Public Contract Code sections 4100-4114 (Subletting and Subcontracting Fair Practices Act).

Labor Code sections 1720-1743 (Public Works, Scope and Operation).

Labor Code sections 1770-1781 (Public Works, Wages).

Labor Code sections 1810-1815(Public Works, Working Hours).

All work performed under this contract, whether by Contractor or by any subcontractor, shall comply with all such statutes.

27.05. Compliance with Clean Air and Clean Water Acts. Contractor and all subcontractors shall comply with the federal Clean Air Act (42 USC sections 1857 et seq. and sections 7401 et seq.) and with the federal Clean Water Act (33 USC sections 1251 et seq.) and all other applicable federal air and water pollution control rules and regulations.

27.06. Federally funded contracts. If the project for which the work under this contract is to be performed is funded in whole or in part by grants or loans from the federal government, the Contractor and all subcontractors shall comply with regulations adopted by the U.S. Secretary of Labor pursuant to 40 USC section 276c and with all other statutes, rules, and regulations that are applicable because of such federal funding.

27.07. Kickbacks and illegal withholdings of pay. Contractor and all subcontractors shall comply with the provisions of Labor Code sections 221 and 222, which prohibit kickbacks and withholdings from employee wages.

27.08. Illegal fees. Contractor and all subcontractors shall comply with the provisions of Labor Code sections 1778, 1779, and 1780, which prohibit the taking of any portion of the wages of workers employed on public works projects and the collection of certain fees from workers employed on public works projects and from applicants for such employment.

27.09. Provisions required by law deemed inserted. Each and every provision required by law to be inserted in this contract shall be deemed to be inserted herein, and the contract shall be read and enforced as though it were included herein. If through mistake or otherwise any such provision is not set forth word for word in the contract documents, or is not correctly set forth, then upon the application of either party, the contract shall forthwith be physically amended to make such insertion or correction.

27.10. Good-faith effort to hire Monterey Bay Area residents. In accordance with section 5.08.120 of the Monterey County Code, unless such requirement would conflict with a state or federal law or regulation applicable to a particular contract for a public work of improvement, all contractors and subcontractors providing work, laborers, or materialmen on the project must promise to make a good-faith effort to hire qualified individuals who are, and have been for at least one (1) year prior to the opening of bids, residents of the Monterey Bay Area in sufficient numbers so that no less than fifty percent (50%) of the Contractor's total construction work force on the project, including any subcontractor work force, measured in labor work hours, is comprised of Monterey Bay Area residents. A certification form relating to compliance with Section 5.08.120 is furnished with the bid documents. Each contractor must complete the certification form and submit the certification form with the sealed bid. The Monterey County Board of Supervisors may deem a bid non-responsive for failure to abide by the good-faith local hiring provisions of Section 5.08.120.

The Monterey County Contracts/Purchasing Officer has prescribed rules, regulations, and procedures relating to the application, administration, and interpretation of the provisions of Section 5.08.120, which include the following:

(a) "Monterey Bay Area resident" means a person who resides within the boundaries of Monterey County, Santa Cruz County, or San Benito County.

(b) A "good-faith effort to hire qualified individuals" means that the contractor will take the following or similar steps:

1. Develop a written plan to recruit Monterey Bay Area residents as part of the construction work force.
2. Contract local recruitment sources to identify qualified individuals who are Monterey Bay Area residents.
3. Advertise for qualified Monterey Bay Area residents in trade papers and a newspaper of general circulation in at least Monterey County, unless time limits imposed by the County do not permit that advertising.
4. If portions of the work are to be performed by subcontractors, identify subcontractors whose work force includes Monterey Bay Area residents.
5. Take residency into account as a factor when determining composition of construction work force and potential subcontractors for the project.
6. Require the same good faith efforts by its subcontractors.

(c) The County department administering the contract, in conjunction with the County's Equal Opportunity Officer, may periodically request evidence from each contractor that the contractor is complying with the requirements of Section 5.08.120. To this end, the contractor shall maintain accurate records documenting the following: contractor's good-faith efforts to hire Monterey Bay Area residents; the total number of labor hours contractor's construction work force has extended to date on the project; the number of such labor hours performed by Monterey Bay Area residents; and evidence of residency of contractor's construction work force. The contractor shall require any and all subcontractors on the project to maintain records of the same information for subcontractor's work force on the project and shall require subcontractor to provide a copy of those records to contractor

upon contractor's request. The Contractor shall make contractor's and subcontractors' records available to County for review and inspection within five (5) business days of the County's request.

Contractors and subcontractors are referred to the provisions of Section 5.08.120 of the Monterey County Code and the rules, regulations, and procedures adopted to implement Section 5.08.120, a copy of which are on file with the County department administering the contract, with the County's Contract/Purchasing Agent and with the County's Equal Opportunity Officer.

ARTICLE 28. PERFORMANCE AND PAYMENT BONDS.

28.01 Required bonds and amounts. The Contractor shall furnish a surety bond in an amount equal to one hundred percent (100%) of the contract sum as security for faithful performance of this contract ("Performance Bond") and shall furnish a separate surety bond in an amount at least equal to one hundred percent (100%) of the contract sum as security for the payment of all persons performing labor and furnishing materials in connection with the contract ("Payment Bond"). Both the Performance Bond and the Payment Bond must be executed by an admitted surety insurer. The form of these bonds shall be as set forth in these contract documents. Upon request of the contractor, the County will consider and accept multiple sureties on such bonds.

ARTICLE 29. INDEMNIFICATION AND INSURANCE.

29.01. Indemnification. Contractor shall indemnify, defend, and hold harmless the County, its officers, agents, and employees, from and against any and all claims, liabilities, and losses whatsoever (including damages to property and injuries to or death of persons, court costs, and reasonable attorneys' fees) occurring or resulting to any and all persons, firms or corporations furnishing or supplying work, services, materials, or supplies in connection with the performance of this Agreement, and from any and all claims, liabilities, and losses occurring or resulting to any person, firm, or corporation for damage, injury, or death arising out of or connected with the Contractor's performance of this Agreement, unless such claims, liabilities, or losses arise out of the sole negligence or willful misconduct of the County. "Contractor's performance" includes Contractor's action or inaction and the action or inaction of Contractor's officers, employees, agents and subcontractors.

29.02. Evidence of Coverage. Prior to commencement of this Agreement, The Contractor shall provide a "Certificate of Insurance" certifying that coverage as required herein has been obtained. Individual endorsements executed by the insurance carrier shall accompany the certificate. In addition a certified copy of the policy or policies shall be provided by the Contractor upon request.

This verification of coverage shall be sent to the County Contracts/Purchasing Department unless otherwise directed. The Contractor shall not receive a "Notice to Proceed" with the work under this Agreement until it has obtained all insurance required and such, insurance has been approved by the County. This approval of insurance shall neither relieve nor decrease the liability of the Contractor.

29.03. Qualifying Insurers. All Coverage's except surety, shall be issued by companies which hold a current policyholder's alphabetic and financial size category rating of not less than A-VII, according to the current Best Key Rating Guide or a company of equal financial stability that is approved by the County's Purchasing Manager.

29.04. General insurance requirements. Without limiting Contractor's duty to indemnify, Contractor shall maintain in effect throughout the term of this Agreement a policy or policies of insurance with the following minimum limits of liability:

1. Commercial general liability insurance, including but not limited to premises and operations, including coverage for Bodily Injury and Property Damage, Personal Injury, Contractual Liability, Broadform Property Damage, Independent Contractors, Products and Completed Operations, with a combined single limit for Bodily Injury and Property Damage of not less than \$1,000,000 per occurrence.
2. Property insurance, covering the entire work at the Site to the full insurable value thereof. This insurance shall include the interests of the County, the Contractor, and all subcontractors in the work and shall insure against the perils of fire, extended coverage, builder's risk, vandalism, and malicious mischief.
3. Business automobile liability insurance, covering all motor vehicles, including owned, leased, non-owned, and hired vehicles, used in providing services under this Agreement, with a combined single limit for Bodily Injury and Property Damage of not less than \$1 Million (\$1,000,000) per occurrence.
4. Workers' Compensation Insurance, if Contractor employs others in the performance of this Agreement, in accordance with California Labor Code section 3700 and with Employer's Liability limits not less than \$1 Million (\$1,000,000) each person, \$1 Million (\$1,000,000) each accident and \$1 Million (\$1,000,000) each disease.
5. Professional liability insurance, if required for the professional services being provided, (e.g., those persons authorized by a license to engage in a business or profession regulated by the California Business and Professions Code), in the amount of not less than \$1 Million (\$1,000,000) per claim and \$2 Million (\$2,000,000) in the aggregate, to cover liability for malpractice or errors or omissions made in the course of rendering professional services. If professional liability insurance is written on a "claims-made" basis rather than an occurrence basis, the Contractor shall, upon the expiration or earlier termination of this Agreement, obtain extended reporting coverage ("tail coverage") with the same liability limits. Any such tail coverage shall continue for at least three (3) years following the expiration or earlier termination of this Agreement.

29.05. Other insurance requirements. All insurance required by this Agreement shall be with a company acceptable to the County and issued and executed by an admitted insurer authorized to transact Insurance business in the State of California. Unless otherwise specified by this Agreement, all such insurance shall be written on an occurrence basis, or, if the policy is not written on an occurrence basis, such policy with the coverage required herein shall continue in effect for a period of three (3) years following the date Contractor completes its performance of services under this Agreement.

Each liability policy shall provide that the County shall be given notice in writing at least thirty (30) days in advance of any endorsed reduction in coverage or limit, cancellation, or intended non-renewal thereof. Each policy shall provide coverage for Contractor and additional insureds with respect to claims arising from each subcontractor, if any, performing work under this Agreement, or be

accompanied by a certificate of insurance from each subcontractor showing each subcontractor has identical insurance coverage to the above requirements.

Commercial general liability and automobile liability policies shall provide an endorsement naming the County of Monterey, its officers, agents, and employees as Additional Insureds with respect to liability arising out of the Contractor's work, including ongoing and completed operations, and shall further provide that such insurance is primary insurance to any insurance or self-insurance maintained by the County and that the insurance of the Additional Insureds shall not be called upon to contribute to a loss covered by the Contractor's insurance. The required endorsement form for Commercial General Liability Additional Insured is ISO Form CG 20 10 11-85 or CG 20 10 10 01 in tandem with CG 20 37 10 01 (2000). The required endorsement form for Automobile Additional Insured endorsement is ISO Form CA 20 48 02 99.

Prior to the execution of this Agreement by the County, Contractor shall file certificates of insurance with the County's contract administrator and County's Contracts/Purchasing Division, showing that the Contractor has in effect the insurance required by this Agreement. The Contractor shall file a new or amended certificate of insurance within five (5) calendar days after any change is made in any insurance policy which would alter the information on the certificate then on file. Additionally, Contractor shall provide certificates for subcontractors of any tier in compliance with these provisions. Acceptance or approval of insurance shall in no way modify or change the indemnification clause in this Agreement, which shall continue in full force and effect.

Contractor shall at all times during the term of this Agreement maintain in force the insurance coverage required under this Agreement and shall send, without demand by County, annual certificates to County's Contract Administrator and County's Contracts/Purchasing Division. If the certificate is not received by the expiration date, County shall notify Contractor and Contractor shall have five (5) calendar days to send in the certificate, evidencing no lapse in coverage during the interim. Failure by Contractor to maintain such insurance is a default of this Agreement which entitles County, at its sole discretion, to terminate this Agreement immediately.

29.06. Acknowledgment of workers' compensation requirements. As required by Labor Code section 1861, the Contractor and each subcontractor shall, before commencing work on the project, sign and file with the County, the following certificate:

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

29.07. Compliance. In the event of the failure of Contractor to furnish and maintain any insurance required by this Section, County or Architect shall have the right to take out and maintain such insurance for and in the name of the Contractor. Contractor shall pay the cost thereof and shall furnish all information necessary to obtain and maintain such insurance for the account of Contractor. County and Architect each shall also have the right to set-off the costs of obtaining and maintaining such insurance against any amounts due Contractor under the Contract Documents. Compliance by Contractor with the requirement to carry insurance and furnish certificates or policies evidencing the same contained in this Article 29 shall not relieve Contractor from liability assumed under any provision of the Contract Documents, including, without limitation, the obligation to defend and indemnify each of the Indemnities.

29.08. Application of Insurance Proceeds.

(a) In the event of any damage to or destruction of the work from any cause insured against by the insurance required under this Article 29, or any other insurance obtained by Contractor or any other source, County may, in its sole discretion, either (i) require Contractor to repair any such damage or destruction and reconstruct the work in accordance with the contract documents, and Contractor agrees to perform any such requirement of Architect, or (ii) terminate the Contract and Contractor shall have no claim arising out of such termination. In the event the work is repaired or reconstructed, appropriate adjustments, if any, in the amount of the contract price or for the time of completion of the work shall be made by change order. County shall be given credit against any amount due Contractor under the contract documents for the amount of any insurance proceeds collected by Contractor to the extent such proceeds cover costs otherwise payable by County under the contract documents. In the event that County decides not to restore or reconstruct the work and terminates the contract, Contractor shall receive from the insurance proceeds all amounts due Contractor under the Contract for that portion of the work completed as of the date of the event of damage or destruction.

(b) In the event of any damage to or destruction of the work (i) not due to or arising out of the fault or neglect of Contractor or any subcontractor and (ii) from a cause not insured against by the insurance required under this Article 29, County may, in its sole discretion, either (i) require Contractor to repair any such damage or destruction and reconstruct the work in accordance with the Contract Documents, and Contractor agrees to perform any such requirements of Architect, or (ii) terminate the Contract. In the event County decides not to restore or reconstruct the work in accordance with the Contract Documents and cause termination of the Contract, Contractor shall have no claim arising out of such termination. In the event that work is repaired or reconstructed, appropriate adjustments, if any, in the amount of the contract price and for the time of completion of the work shall be made by change order. County shall be given credit against any amount due Contractor under the contract documents to the extent insurance proceeds payable to Contractor cover costs otherwise payable by County under the contract documents. In the event that County decides not to restore or reconstruct the work and causes termination of the contract, County shall pay Contractor, as its sole compensation, all amounts due under the Contract Documents for the portion of the work completed as of the date of the event of damage or destruction. Contractor shall be solely responsible for and shall, without cost or expense to County, promptly and with all due diligence, restore and reconstruct any uninsured loss or damage to the work which occurs as a result of any fault or neglect of the Contractor or any subcontractor. This obligation is in addition to County's remedies under the Contract Documents or by law.

ARTICLE 30. CLAIMS AND DISPUTE RESOLUTION.

30.01. Prompt resolution of differences required. It is the intention of this Article that differences between the parties arising under and by virtue of the contract be brought to the attention of the Project Manager at the earliest possible time in order that such matters may be promptly settled, if possible, or other appropriate action may be taken promptly.

30.02. Contract interpretations, performance judging, and decisions by Architect and PM.

(a) All claims may be presented informally first to the Project Manager. To the extent that resolution of the claim does not involve an extension of time or additional payments, the Project Manager may resolve, in writing or otherwise, claims that have been presented informally.

(b) The Project Manager will be, in the first instance, the interpreter of the requirements of the contract documents and the judge of the performance thereunder by both the County and Contractor. The Project Manager will, within a reasonable time, render such interpretations, as he may deem necessary for the proper execution or progress of the work. Claims, disputes and other matters in question between the Contractor and the County relating to the execution or progress of the work or the interpretation of the contract documents shall be referred initially to the Project Manager for decision which he will render in writing within a reasonable time. In his capacity as interpreter and judge, he will exercise his best efforts to ensure faithful performance by both the County and the Contractor and will not show partiality to either. All interpretations and decisions of the Project Manager shall be consistent with the intent of the contract documents.

(c) See Section 2.06 and 2.08 for the role of the Architect.

30.03. Written notice to Project Manager. Any claim for additional compensation or for an extension of time shall be resolved as hereinafter provided. The Contractor shall not be entitled to the payment of any additional compensation for any occurrence or matter relating to this contract and will not be granted any extension of time for performance under this contract, unless the Contractor first gives written notice of such claim to the Project Manager.

30.04. Contents of notice of claim. The written notice of claim shall set forth the reasons for which the Contractor believes additional compensation will or may be due, the nature of the costs involved, the reasons for any extension of time and, insofar as possible, the amount of the claim and the amount of any time extension requested.

30.05. Time for giving notice. The notice of claim must be given to the Project Manager as follows:

(a) If the claim is for an increase in the contract sum, he shall give the Project Manager written notice thereof within ten (10) days after the occurrence of the event giving rise to such claim; in addition, this notice shall be given by the Contractor before proceeding to execute the portion of the work to which the claim relates, except in an emergency endangering life or property, and except

where the Contractor could not reasonably have discovered the facts giving rise to the claim prior to commencement of that portion of the work.

(b) All claims for extension of time shall be made in writing to the Project Manager no more than ten (10) days after the occurrence of the delay; otherwise they shall be waived. In the case of a continuing cause of delay, only one claim is necessary.

(c) In all other cases, notice shall be given within ten (10) days after the happening of the event, thing, or occurrence giving rise to the claim.

30.06. Response by County - claims for under \$50,000 and for extensions of time. For claims of less than \$50,000 and for claims for extension of time, County shall respond in writing to any written claim within 45 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim any additional documentation supporting the claim or relating to defenses or claims the County may have against the claimant. If further information is thereafter required, it shall be requested and provided pursuant to Public Contract Code Section 20104.2(b)(2). The County's response to the claim, as further documented, shall be submitted to the claimant within 15 days after receipt of the further documentation or within a period of time no greater than that taken by the claimant in producing the additional information, whichever is greater.

30.07. Response by County - claims of \$50,000 or more and less than or equal to \$375,000. For claims of \$50,000 or more and less than or equal to \$375,000, and for all claims not covered by paragraph 30.04, County shall respond in writing to any written claim within 60 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim any additional documentation supporting the claim or relating to defenses or claims the County may have against the claimant. If further information is thereafter required, it shall be requested and provided pursuant to Public Contract Code Section 20104.2(c)(2). The County's response to the claim, as further documented, shall be submitted to the claimant within 30 days after receipt of the further documentation or within a period of time no greater than that taken by the claimant in producing the additional information, whichever is greater.

30.08. Prompt response when needed. Whenever it appears that a prompt response is essential, County will respond to claims sooner than the limits prescribed above.

30.09. County's response disputed or not made. If the claimant disputes the County's written response, or if the County fails to respond within the time prescribed, the claimant may so notify the County, in writing, either within 15 days of receipt of the County's response or within 15 days of the County's failure to respond within the time prescribed, respectively, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon a demand, the County shall schedule a meet-and-confer conference within 30 days for settlement of the dispute.

30.10. Filing of Government Code claims. If the claimant still remains unsatisfied and desires to preserve his right to pursue the matter further, he must then file a claim with the County, pursuant to Government Code sections 900 et seq. or sections 910 et seq.

30.11. Civil action. If the Government Code claim is denied, the claimant may file an action in court. Such action shall be subject to Public Contract Code section 20104.4. This paragraph applies only to claims subject to Public Contract Code section 20104. If a claim is not subject to Public Contract Code section 20104, the claimant's right to file a civil action shall be as otherwise provided by law.

30.12. Claims for damages. Should either party to the contract suffer injury or damage to person or property because of any act or omission of the other party or of any of his employees, agents, or others for whose acts he is legally liable, claim shall be made in writing to such other party within a reasonable time after the first observance of such injury or damage, provided that in no case may such a claim be filed after expiration of any applicable statute of limitations for filing such a claim. Claims against County that are subject to this paragraph shall comply with all procedures set forth in the California Government Code concerning claims against public entities.

30.13. Consistency with Public Contract Code sections 20104 et seq. If any claim arising under this contract is subject to the provisions of Public Contract Code sections 20104 et seq. (Div. 2, Part 3, Chapter 1, Article 1.5), and if the provisions of that Article require a procedure or procedural element different from that established in this contract, then the provisions of that Article shall apply in place of the conflicting procedure or procedural element established herein.

ARTICLE 31. DEFAULT AND TERMINATION OF THE CONTRACT.

31.01. County's right to stop work. If the Contractor fails to correct defective work or fails to supply materials or equipment in accordance with the contract documents, the County may order the Contractor to stop the work, or any portion thereof, until the cause for such order has been eliminated.

31.02. County's rights on Contractor's default. If the Contractor fails to prosecute the work diligently or fails to perform any provision of the contract, the County may, after seven (7) days' written notice to the Contractor and without prejudice to any other remedy he may have, make good such deficiencies. In such case, any appropriate change order shall be issued deducting from the payments then or thereafter due the Contractor, the cost of correcting such deficiencies, including the cost of the Architect's and other County Contractors' additional services made necessary by such default. Such change order shall not require the consent of the Contractor to be effective. The Project Manager must approve both such action and the amount charged to the Contractor. If the payments then or thereafter due the Contractor are not sufficient to cover such amount, the Contractor shall pay the difference to the County.

31.03. Termination by County.

(a) The County may terminate the performance of the Contractor under this contract, without prejudice to any other right or remedy the County may have, in the manner hereinafter provided, upon certification by the Project Manager that the following circumstances have arisen:

1. the Contractor is adjudged a bankrupt, or makes a general assignment for the benefit of his creditors, or a receiver is appointed on account of his insolvency (except as provided in (e), below);
2. the Contractor refuses or fails, except in cases for which an extension of time is provided, to supply enough properly skilled workers or proper materials;
3. the Contractor fails to make prompt payment to subcontractors, to suppliers of materials or equipment, or to employees;
4. the Contractor disregards laws, ordinances, rules, regulations, or orders of any public authority having jurisdiction; or
6. the Contractor otherwise is guilty of a substantial violation of the contract.

(b) To terminate the performance of the Contractor, County shall first give ten days' written notice to Contractor and his surety, if any, stating County's intent to terminate the performance of the Contractor unless within ten days the grounds for such termination have been removed, and giving his reasons therefore.

(c) If within ten days the grounds for termination are not removed, County may immediately terminate the performance of the Contractor and shall promptly serve notice of termination on the Contractor and the surety. The surety shall have the right to take over and perform the contract, provided that, within fifteen days after service upon it of said notice of termination, the surety must first give written notice to County that it intends to take over and perform the contract, and within thirty days after service upon it of said notice of termination, the surety must commence performance of the contract. If surety fails to take either of these steps in a timely manner, County may immediately take possession of the Site and of all materials, equipment, tools, construction equipment, and machinery thereon owned by the Contractor and may finish the work by whatever method it may deem expedient.

(d) If within ten (10) days of County's notice of intent to terminate, the grounds for termination are not removed, the Contractor shall not be entitled to receive any further payment until the work is finished. If, upon completion of the work by County, the unpaid balance of the contract sum exceeds the costs of finishing the work (including compensation for additional architectural, managerial, and administrative services), such excess shall be paid to the Contractor. If such costs exceed such unpaid balance, the Contractor or his surety shall pay the difference to the County. The costs incurred by the County as herein provided shall be certified by the Project Manager.

(e) Notwithstanding the foregoing, performance of the Contractor under this contract may not be terminated, and the contract may not be modified where a trustee in bankruptcy has assumed the contract pursuant to 11 U.S.C. Sec. 365.

31.04. Termination by Contractor.

(a) The Contractor may, upon seven day written notice to the County and the Project Manager, terminate the contract if the work is stopped for a period of forty-five days under an order of any court or other public authority having jurisdiction, or as a result of an act of government, such as a declaration of a national emergency making materials unavailable, through no act or fault of the

Contractor or a subcontractor or their agents or employees or any other person performing any of the work under a contract with the Contractor.

(b) To terminate the contract, the Contractor must give written notice to County of such termination, stating the reasons therefore.

(c) The Contractor may then recover from the County payment for all work executed, for any proven loss sustained upon any materials, equipment, tools, construction equipment and machinery, for lost profits, and for all other damages suffered by the Contractor on account of such stoppage of work.

31.05. Termination for Convenience of the County.

(a) The performance of work under this contract may be terminated by County in accordance with the section in whole, or from time to time in part, whenever the County shall determine that termination is in the best interest of the County. Any such termination shall be effected by delivery to Contractor of a Notice of Termination specifying the extent to which performance of work under the contract is terminated, and the date upon which such termination becomes effective.

(b) After receipt of a Notice of Termination, and except as otherwise directed by the County, Contractor shall:

1. stop work under the contract on the date and to the extent specified in the Notice of Termination;
2. place no further orders or subcontracts for materials, services, or facilities except as may be necessary for completion of such portion of the work under the contract as is not terminated;
3. terminate all orders and subcontracts to the extent that they relate to the performance of work terminated by the Notice of Termination;
4. assign to County all the right, title, and interests of Contractor under the orders and subcontracts so terminated, in which case Contractor shall have the right, in its discretion, to settle or pay any or all claims arising out of the termination of such orders and subcontractors if so directed by County;
5. settle all outstanding liabilities and all claims arising out of such termination of orders and subcontracts, subject to the approval of the County;
6. complete performance of such part of the work as shall not have been terminated by the Notice of Termination; and
7. take such action as may be necessary, or as County may direct, for the protection and preservation of the property related to this contract which is in the possession of the Contractor and in which County has, or may acquire, an interest.

(c) After receipt of a Notice of Termination, the Contractor shall submit to County a verified termination claim. Such claim shall be submitted promptly, but in no event later than 30 days from the effective date of termination, unless one or more extensions in writing are granted by the County upon request of Contractor made in writing within such period or authorized extension of the period.

(d) Contractor and County may agree upon the whole or any part of the amount or amounts to be paid to Contractor by reason of the total or partial termination of work pursuant to this article, which amount or amounts may included a reasonable allowance for profit on work done; provided that the total contract price as reduced by the amount of payments otherwise made and as further reduced by the contract price of work not terminated does not exceed the contract sum.

ARTICLE 32. WARRANTIES.

32.01. Warranty as to all work. The Contractor shall guarantee all work performed under this contract against defective materials or workmanship for a period of one year from the date of final acceptance by the County, or for such longer time period as may be prescribed by law or by the terms of any applicable special guarantee required by the contract. The Contractor shall remedy any defects appearing within that time period and pay for any damage resulting there from.

32.02. Repair of defective work. Contractor shall, within a reasonable time but in no case longer than fifteen (15) days after receipt of written notice thereof, repair and/or replace any defects in materials or workmanship which may develop during said one-year period and any damage resulting from the repairing or replacing of such defects at his own expense and without cost to County. In the event Contractor fails to remedy any such defect within such reasonable time, County may proceed to have such defects remedied at Contractor's expense, and Contractor shall pay the costs and charges incurred thereby and any other damages of County. Nothing contained in this paragraph shall operate to relieve Contractor from responsibility after one year from the date of final acceptance of the completed work by County as regards damages resulting from defects, both latent and patent, departures from the requirements of the contract, fraud, or such other gross mistakes as amount to fraud, and Contractor shall indemnify, defend and save County harmless from and against liability, loss or damage arising by reason of any and all such matters. Contractor shall transfer to County all guarantees and warranties on equipment included within the project which Contractor receives from material persons and subcontractors. Neither acceptance nor payment nor any provision in these documents shall be deemed a waiver by County nor relieve Contractor of any responsibility under the contract. Notwithstanding the above, failure by the Contractor to take corrective action within 24 hours after personal or telephonic notice by the County on items affecting use of facility, safety, or the preservation of property, will result in the County taking whatever correction action it deems necessary. All costs resulting from such action by the County will be claimed against Contractor or, if necessary, the Contractor's performance bond.

32.03. Title free of liens at time of each progress payment. The Contractor warrants and guarantees that title to all work, materials, and equipment covered by an application for payment, whether incorporated in the project or not, will pass to the County upon the receipt of such payment by the Contractor, free and clear of all liens, claims, security interests, or encumbrances.

32.04. Warranty as to liens. No materials, supplies, or equipment for work under this contract shall be purchased subject to any chattel mortgage or under a conditional sale or other agreement by which an interest therein or in any part thereof is retained by seller or supplier. Contractor warrants good title to all materials, supplies, and equipment installed or incorporated in the work and agrees upon completion of all work to deliver the premises, together with all improvements and appurtenances constructed or placed thereon by him, to County free from claims, liens, or charges.

Contractor further agrees that neither he nor any person, firm, or corporation furnishing any materials or labor for any work covered by this contract shall have any right to any lien upon the premises or any improvement or appurtenance thereon. Nothing contained in this article, however, shall defeat or impair the right of persons furnishing material or labor under any bond given the Contractor for their protection or any rights under any law permitting such persons to look to funds due Contractor in the hands of the County, and this provision shall be inserted in all subcontracts and material contracts and notice of its provisions shall be given to all persons furnishing material for work when no formal contract is entered into for such material.

32.05. Other Warranties. In addition to the warranties in the Contract Documents, Contractor shall assign to County through Architect all assignable warranties it obtains from manufacturers or suppliers with respect to any materials, equipment, or fixtures incorporated into the work, but the assignment shall not relieve Contractor of any of its guaranties or obligations. Contractor's guaranties and the Contract Documents shall not act as a bar to Contractor's liability for any third-party claim against Contractor, and are in addition to, not exclusive of, Contractor's other obligations under the Contract Documents, including, without limitation, Contractor's obligation to indemnify and defend County and Architect.

32.06 No Limitations. Nothing in this Article 32 shall be construed to establish a period of limitation with respect to any latent or patent defects in the work or claims or liabilities arising there from. The establishment of time periods relates only to the specific obligation of Contractor to correct or cause correction of the work, and has no relationship to the time within which its obligation to comply with the contract documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to its obligations under the contract documents or in connection with the work.

PART VII. MISCELLANEOUS.

ARTICLE 33. MISCELLANEOUS PROVISIONS.

33.01. State audits. If this contract involves the expenditure of public funds in excess of \$10,000, the contracting parties shall be subject to the examination and audit of the State Auditor of the State of California for a period of three (3) years after final payment under the contract, as required by Government Code Sec. 8546.7. The examination and audit shall be confined to those matters connected with the performance of the contract, including, but not limited to, the costs of administering the contract.

33.02. Governing law. The contract shall be governed by the law of the State of California.

33.03. No assignment. Neither party to the contract shall assign the contract without the written consent of the other, nor shall the Contractor assign any monies due or to become due to him hereunder, without the previous written consent of the County. Should any money due or to become due under this contract be assigned, it shall be subject to a prior lien for services rendered or material supplied for performance of work under this contract in favor of all persons, firms, or

corporations rendering such services or supplying such materials to the extent that claims are filed pursuant to the Civil Code, the Code of Civil Procedure, and/or the Government Code.

33.04. Binding on successors and assigns. The County and Contractor each binds himself, his partners, successors, assigns, and legal representatives to the other party hereto and to the partners, successors, assigns, and legal representatives of such other party in respect to all covenants, agreements, and obligations contained in the contract documents.

33.05. Notices. All notices required or permitted to be given under this contract shall be in writing and shall be deemed to have been duly served (a) when delivered in person to the individual or member of the firm or to an officer of the corporation for whom it was intended, or (b) 48 hours after the notice is placed in the U.S. mail, properly addressed to the party to whom the notice is to be delivered, for mailing by registered or certified mail, with postage thereon fully prepaid. The proper address shall be that previously specified in writing by the proposed recipient as the address for mailing notice, or, if none, then the last business address for the recipient known to the person giving the notice.

33.06. Contractual rights and remedies not exclusive. The duties and obligations imposed by the contract documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights, and remedies, otherwise imposed or available by law, except as otherwise specified herein.

33.07. Assignment of anti-trust causes of action. The Contractor and all subcontractors are bound by Public Contract Code section 7103.5, which provides as follows: "In entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, the contractor or subcontractor offers and agrees to assign to the awarding body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 USC section 15) or under the Cartwright Act (Chapter 2, commencing with section 16700, of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders final payment to the contractor, without further acknowledgment by the parties."

33.08. Royalties and patents. The Contractor shall pay all royalties and license fees. He shall defend all suits or claims for infringement of any patent rights and shall save the County harmless from loss on account thereof, except that the County shall be responsible for all such loss when a particular design, process, or the product of a particular manufacturer or manufacturers is specified, but if the Contractor has reason to believe that the design, process, or product specified is an infringement of a patent, he shall be responsible for such loss unless he promptly gives such information to the Architect.

33.09. Prohibited interests. No official of County who is authorized in such capacity and on behalf of County to negotiate, make, accept, or approve, or to take part in negotiating, making, accepting or approving any architectural, engineering, inspection, construction or material supply contract or any subcontract in connection with the project, shall become directly or indirectly interested financially in this contract or in any part thereof. No officer, employee, architect, attorney, engineer, or

inspector of or for County who is authorized in such capacity and on behalf of County to exercise any executive supervisory or other similar functions in connection with construction of the project shall become directly or indirectly interested financially in this contract or in any part thereof.

33.10. No continuing waiver. A waiver of rights by County or Contractor in one instance hereunder does not constitute a waiver of rights in any similar instance thereafter.

33.11. Taxable possessory interest. The terms of this document may result in the creation of a possessory interest. If such a possessory interest is vested in a private party to this document, the private party may be subjected to the payment of personal property taxes levied on such interest.

SPECIAL CONDITIONS

**MOUNT TORO GROUNDING
20600 CORRAL DE CIELO
SALINAS CA 93908
PROJECT NO. 5108 BID NO. 10360**

The special conditions below are included as part of the contract for the above project.

1. Starting and completion date. Under Article 12 of the General Conditions, the Contractor shall commence and complete work within the following time limits:

The duration to execute the scope of work for the above project is fifteen (15) work days as it pertains to Contractor's Scope of Work defined by the contract documents. Additionally, Contractor shall coordinate their work with all other Contractors whose work is affected by the Scope of Work defined in this Agreement. Contractor expressly agrees to provide appropriate labor, material, and equipment in response to adjustments in the Project Schedule made by the Architect during the course of the project in order to maintain the required progress.

2. Hours of work. Work will not commence earlier than 8a.m. without written consent of the County.

3. Site Cleanup. All construction materials, equipment and debris shall be removed from the area of work prior to the opening of the next business day. All existing equipment affected by the work are to be covered. All coverings are to be removed and the area affected by the construction cleaned prior to the opening of the next business day.

4. Utilities, Disruption of Service. Contractor shall notify the County's representative, by phone immediately and followed up in writing, two (2) workdays in advance of any disruption of service, e.g., fire suppression, electrical, water, communications and the Contractor shall not proceed with the work without written authorization from the County's representative.

5. Liquidated damages. Pursuant to the Agreement and Article 12 of the General Conditions, the amount of liquidated damages shall be \$1,000 per day.

6. Agreement and bonds. Contractor will provide specified number of originals for each of the following:

<u>4</u> Executed Agreements	<u>1</u> Performance Bond
<u>1</u> Payment Bond	<u>4</u> Certificate of Liability Insurance with endorsements

7. Contract documents furnished to Contractor. The number of original of the contract documents to be provided under Article 3 of the General Conditions is as follows:

<u>1</u> fully executed Agreement
<u>1</u> copy each Addendum
<u>1</u> copy Project Manual
<u>1</u> copy Plans and Specifications

8. Supervision. Section 7.05 of the General Conditions require that Contractor employ a competent, qualified superintendent shall provide full time, on-site supervision of all aspects of the work and further require that such superintendent and project manager be satisfactory to the County. If Contractor fails to have such superintendent on-site at any time during the progress of the work, a penalty of Fifteen Hundred Dollars (\$1500.00) per day shall be deducted from the compensation otherwise due to Contractor, for each day on which such failure occurs. Such penalty shall not apply to temporary absences approved in advance by the Architect or County.

9. Owner's Representative. Article 5 and 7. All coordination must be made with the Project Manager. All communication with the Project Manager must be made by the Contractor's Superintendent or Project Manager to maintain control and to prevent misunderstandings. All communication with the Contractor and the County will be in writing.

10. Site access: All site access will be arranged with the Communications Engineer. The Communications Engineer can stop work at anytime and require Contractor to leave area early

11. Contractor or workers shall not wander off designated work area

12. Contractor shall have fire suppression available at all times during work.

12. County's Use of Premises. Construction work to accommodate the Owner's continued access to and use of the premises during the construction period; coordinate the construction schedule and operations with the Architect.

13. Determining cost for change orders. Section 15.04 of the General Conditions designates the maximum markups allowed by the County.

14. Material Safety Data Sheets (MSDS). Article 14 and 17. MSDS sheets are required on-site for all materials used in the job.

15. Determination of lowest responsible bidder: Determination of the lowest responsible bidder will be based upon the base bid

16. Audit rights. With respect to any Change in the Work, other than one based on an agreed lump sum price, resulting in an increase in the contract sum or extension of the contract time, the Contractor shall cause its subcontractors and sub-subcontractors to afford access to the County at all reasonable times to any books, correspondence, instructions, receipts, vouchers, memoranda, and records of any kind relating thereto, all of which each of them shall maintain for a period of at least three (3) years from and after the date the County makes payment on account of such Change in the Work. The Contractor and its subcontractors and sub-subcontractors shall make the same available within three (3) calendar days following notification to the Contractor of the County's intent to audit, failing which the Contractor's claim for an increase in the contract sum and/or extension of the contract time, as applicable, shall be disallowed, and the Contractor shall have no recourse on account of such disallowance. The Contractor authorizes the County, and shall cause its subcontractors and sub-subcontractors to authorize the County, to check directly with any suppliers of labor and material with respect to any item chargeable to the County under this article, to confirm balances due and to obtain sworn statements and waivers of lien, all if the County so elects.

17. As-built drawings. Per General Conditions Article 8.06. Contractor will be required to maintain a current set of as-built drawings throughout the duration of the project. A reproducible set of plans and working details, marked to record all changes

made during construction, shall be delivered to the Project Manager for the County upon completion of the work and prior to release of final payment.

18. Partnering. This contract imposes an obligation of good faith and fair dealing in its performance and enforcement. The County intends to encourage the foundation of a cohesive partnership with the Contractor and its principal subcontractors and suppliers. The objectives are effective and efficient contract performance and completion within budget, on schedule, and in accordance with the contract documents.

19. Prevailing Wages – Payment and Posting Requirements. The Department of Industrial Relations has determined the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work in the locality in which this work is to be performed for each craft or type of worker needed to execute the contract. It shall be mandatory upon the General Contractor, and upon any subcontractor under him, to pay not less than said specified rates to all workers employed by them in the execution of the contract. The General Contractor is also required to post a copy of the determination of the director of the prevailing rate of per diem wages at the job site (Cal Lab Code 1773.2).

20. Meetings. Contractor will be responsible for attending brief daily meetings during this contract. The meetings shall be attended by the Contractor's project superintendent and will be located on-site at the project. The Contractor shall bear the administrative costs of their attendance.

20.1 Conference call: Contractor shall participate in conference calls at the discretion of the project manager. In situation where new directives are given by Project Consultant or Project Manager, Contractor shall follow Change Order process outlined in General Conditions Sec 15

21. Contractor shall contain all material and equipment in designated project area.

22. Contractor shall not disturb wild life or grazing animals

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TECHNICAL SERVICES

Torrance, CA • (310) 214-4000 • www.Lyncole.com
Where Grounding Bonds With Science®

**Harris Corp. / Monterey County
Mt. Toro
Grounding Survey
Toro, CA
January 2011**



Lyncole Project: 120003-4
Engineers: Benjamin Du & Todd Bolstad
Sr. Account Manager: Zahid Mitha
Date: Feb. 7, 2012

Harris Corp. / Monterey County Grounding Survey Mt. Toro Toro, CA

Introduction:

This is a report of the grounding survey for Monterey County, Mt. Toro Site located at N36°31'51.63" & W121°36'51.22", Rana Creek, Toro, CA. The work was performed on January 25, 2012, by Benjamin Du and Todd Bolstad of Lyncole Technical Services. Chuck Brooks of Monterey County and Karl Emrich of Harris Corporation were on site during the survey. This report includes the following:

- General
- Observations
- Summary
- Testing Methods
- Drawings, Field Reports and Photos

General:

The Monterey County Mt. Toro Site consists of a newly built equipment shelter, small equipment shelter, self-supporting tower, a generator and two (2) fuel tanks. The site is protected by a perimeter chain link fence.

Typically, a standard grounding practice per Harris and Motorola R56 for a stand alone site, is to install a ground ring around the building and the tower, and then connect every metallic structure surrounding the site to the ring to maintain equal potential. A single-point grounding scheme is recommended for the equipment building to reduce circulating current, unwanted surges, and lightning from entering the building damaging the equipment.

The existing external grounding system at the Mt. Toro Site requires major changes to provide maximum protection for the equipment, and to bring it to present Industry Standards like Bellcore / Telcordia, Harris and Motorola R56. These changes include upgrading the existing grounding system as a single point per Harris and Motorola R56 and to improve the protection for the equipment. This includes properly bonding all tower structures externally, and grounding all the coaxial cables and wave-guides before they enter the shelter to ensure that no unwanted current is induced into the equipment area. It is recommended installing a single grounding path for the interior grounding system that safely dissipates into the earth outside.

Observations:

The grounding audit is based on Harris Corp. Standard, Motorola R56 STD, ANSI T1.313.2003, Bellcore (Telcordia), IEEE Std. 81, National Fire Protection Agency (NFPA 780), and the National Electrical Code (NEC).

The following observations were made in each specific location:

Ground Resistance to Earth:

The existing grounding system layout was not available and reviewed at the time of the survey. However, a visual inspection revealed that the grounding system consists of three (3) individual ground rods installed on the tower perimeter (Photo 1). Each ground rod is individually bonded to the tower leg. An additional ground rod was also installed under the cable port of the newly built shelter that is providing the grounding connections for the EGB and MGB. The electrical service ground for the newly building shelter is bonded to the re-bar while the service for the old shelter is bonded to a single ground rod. Each ground rod was individually tested and the results of the test are listed in the Field Clamp-on Report (Drawing 1).

Testing the grounding electrode system is normally accomplished via one of two methods, the traditional 3-Point Fall-of-Potential and the Clamp-on test. With most design and construction practices, it is common that neither test can be performed successfully due to multiple electrical connections to the grounding system from the tower, transmission cables and the equipment in the building along with the electrical service ground. This was the situation at the Mt. Toro Site.

Observations (Cont.):

Ground Resistance to Earth (Cont.):

The soil resistivity tests were performed using the 4-Point Wenner Method per IEEE Std. 81. The results of the soil resistivity tests were used to model the actual soil configuration on site. Each ground rod was then modeled into the soil at the location that was observed. The resistance to earth of the grounding system was calculated at 12 ohms.

All of the facility electrical protection systems such as lightning, surge and telco devices rely on the performance of the exterior buried grounding system to work properly and to be the “lowest resistance path to earth” for externally and internally generated noise. It is important to be able to perform annual testing on the grounding system to verify resistance levels and to detect deterioration or disruption.

To comply with Harris / Motorola R56, a single-point grounding system of less than 5 ohms resistance to earth is required for proper equipment protection (Rec. 1 & Drawing 2). A tower ground ring and complete ground rings encircling both equipment shelters are required to divert the fault current along the grounding conductor and take them away rather induce them into the shelter. Each shelter ground ring should be bonded to the tower ground ring at minimum two (2) places with bare #2 AWG tinned solid copper conductor and exothermic welds. It also required to be bonded to the chain link fence to maintain equal potential. The proposed grounding system is calculated to provide a site with less than 5 ohms resistance per Harris Corp. requirement.

Self-supporting Lattice Towers:

A three-legged self-supporting lattice tower 30 ft. x 30 ft. x 30 ft. is located at NE of the newly built shelter. Each tower leg is bonded to a 5/8 in. ground rod with a #2 AWG solid bare copper conductor and a mechanical lug (Photos 2 & 3). The conductors are not in protected conduits. The connections appear corroded. There is no evidence that an installed ground ring encircles the tower structure. This condition is not in compliance with present industry standards. There should be no ground rods associated with the tower, maintained separately. All tower legs should be bonded to the same grounding system to eliminate a difference in potential. A tower ground ring should be installed and interconnected with a minimum of six (6) ground rods buried below grade. Each tower leg should be bonded to the tower ground ring using a #2 AWG solid copper conductor in flexible conduit and exothermic welds as described in Drawing 2. The climbing ladder is not grounded. It is recommended that grounding jumpers made of #2 AWG tinned solid conductor be installed between the ladders and the tower structure to maintain equal potential (Rec. 2). The tower appears to have a lightning protection air terminal installed and is using the tower structure as the down conductor (Photo 4).

Observations (Cont.):

Co-axial & Wave-guide Ground:

There are twenty-seven (27) transmission cables come down the tower and turn horizontally toward the small shelter. Most of the cables have grounding kits installed and bonded to the tower crossbeam with I-beam fasteners (Photo 5). Several lugs are “piggy-backed” one on top of the other preventing direct contact with the tower (Photo 6). There is no Tower Ground Bar (TGB) installed on the tower. At the time of the survey, Lyncole was informed that the equipment in the small shelter will be relocated to the newly built shelter. All the cables will be re-routed to the new shelter. Therefore, no recommendations are provided.

Four (4) coaxial cables coming down the tower and turn horizontally toward the new shelter. These cables are not grounded prior turning horizontally (Photo 7). It is recommended a 4 in. x 24 in. x ¼ in. tin plated telecom slotted holes copper ground bar be installed as Tower Ground Bar (TGB) on the tower below the area where the transmission cables are turning horizontally. This TGB must be bolted directly onto the tower and grounded to the grounding system with two (2) #2 AWG tinned solid copper conductor in protective non-metallic flexible conduits. All connections between the TGB and the grounding system should be exothermic welds (Rec. 3).

A 4 in. x 24 in. x ¼ in. copper ground bar is installed under the cable port of the newly built shelter as EGB. This EGB is grounded with two (2) #2 AWG solid copper conductors and two-hole high compression lugs. The conductors are placed in the PVC for protection (Photo 8). Three (3) out of four (4) coaxial cables are grounded to the EGB with grounding kits and two-hole high compression lugs prior to entering the cable port. Each transmission cable prior entering the cable port should be grounded with grounding kits and bond to the EGB with two-hole high compression lugs. All the conductors should sweep down toward the ground bar (Rec. 4).

Metallic structures / Ice Bridge / Misc. Grounding:

The metallic cable tray supporting the RF cables between the towers and the shelter is not grounded to the TGB or EGB. The support posts are not grounded to the buried grounding system (Photo 9 & Rec. 5). It is recommended that the cable tray be bonded to the EGB with a #2 AWG conductor to maintain equal potential (Rec. 6). A grounding jumper between the ice-bridge and the support posts are recommended (Rec. 7). The cable ports are not grounded (Rec. 8).

Both fuel tank and the generator appear not to be bonded to the grounding system (Photos 10 & 11). They are both located within reach from the chain link fence. This problem may create an arc over in the event of the lightning (Rec. 9). Two (2) A/C enclosures on the shelter are not bonded to the buried grounding system (Rec. 10). The chain link fence is not grounded (Photo 12). Any metal fence located within 10 feet of the grounding system must be bonded to the grounding system. This will minimize the possibility of side-flashes during a lightning event and protects personnel from a shock hazard caused by lightning. Each gatepost should also be grounded with a grounding jumper and maintain the integrity of the grounding (Photo 13 & Rec. 11) (Drawing 2).

Observations (Cont.):

Incoming Power:

The utility service and the meter are located in the back of the small shelter. No Surge Protection Device (SPD) installed on the main service (Rec. 12).

A single phase 120/240V Panel "B" has no SPD installed (Photo 14 & Rec. 13). This panel is grounded to the re-bar by swept upward (Photo 15 & Rec. 14).

Equipment Room:

The equipment room is approximately 20 ft. x 26 ft. It houses four (4) aisles of equipment, Telco board and four (4) ground bars.

A 4 in. x 24 in. x ¼ in. copper ground bar installed as Master Ground Bar (MGB) (Photo 16). Bonded to the MGB are ten (10) grounding conductors. They are as follows:

- #2 AWG insulated from Halo conductor
- #2 AWG insulated from Aisle 1 Ground Bar
- #2 AWG insulated from Aisle 2 Ground Bar
- #2 AWG insulated from Aisle 3 Ground Bar
- #6 AWG insulated from Telco SPD enclosure
- #6 AWG insulated from cable port
- #2 AWG insulated from RFGB
- #6 AWG insulated from the cable rack
- #2 AWG insulated from Halo conductor
- #2 AWG solid copper conductor to the outside ground electrode

The DC Return is not bonded to the MGB at the time of survey. It is believed that the equipment are being installed and relocated. It is recommended that the DC Return should be bonded directly to the MGB to maintain equal potential between the AC and DC systems (Rec. 15). This conductor should be the same size as the NEG battery conductor.

At the end of each aisle there is a 4 in. x 6 in. x ¼ in. copper ground bar installed and bonded to the MGB with a #2 AWG conductor. Each equipment rack RGB is bonded to the aisle ground bar with a #6 AWG conductor and two-hole high compression lug (Photos 17 & 18).

The grounding configuration in the room seems to be very well planned and executed with high quality workmanship. However, the conductor sizing may have been overlooked. Present Industry Standards recommend that the grounding connection from the Rack Ground Bar (RGB) to the aisle conductor be #2 AWG conductor instead of #6 AWG conductor to limit the impedance and allow the fault current to safely dissipate to earth ground. Equipment on the rack should be bonded to the RGB with #6 AWG conductors and two-hole high compression lugs (Rec. 16).

Observations (Cont.):

Equipment Room (Cont.):

RFGB is bonded to the MGB with a #2 AWG conductor. The cable rack that support the RFGB is bonded to the cable rack system with a #6 AWG conductor (Photo 19). This condition would create a ground loop within the system. The rack supporting the RFGB should be isolated from other cable rack in the room (Rec. 17).

The telco is current bonded to the Halo conductor with a #6 AWG conductor. This connection must be removed. All telco grounding connections should be either at the Telco SPD enclosure or the MGB (Photo 20 & Rec. 18).

Metallic conduits and alarm panel are bonded to the Halo conductor with #6 AWG conductors and UL approved clamps. However, many other ancillary apparatus such as ventilation frames and doorframe are not bonded to the Halo (Rec. 19).

Summary:

The grounding configuration inside the shelter was well planned and installed. However, as discussed the sizing of the conductor may have been overlooked, undersized conductor being using for equipment rack bonding.

The grounding system is the basis for the effectiveness of all other facility electrical protection systems such as lightning, surge and telco devices and is the “lowest resistance path to earth” for external and internally generated noise.

The existing buried grounding system is not in-compliance with Industry Standards. No ground rings are installed for the tower and equipment shelters. Multiple metallic and chain link fences are not grounded to maintain equal potential within the site. These are hazards that can harm personnel and should be corrected as soon as possible.

The equipment building grounding is a major concern that should be addressed immediately. The DC return is not referenced to the AC grounding system to maintain equal potential.

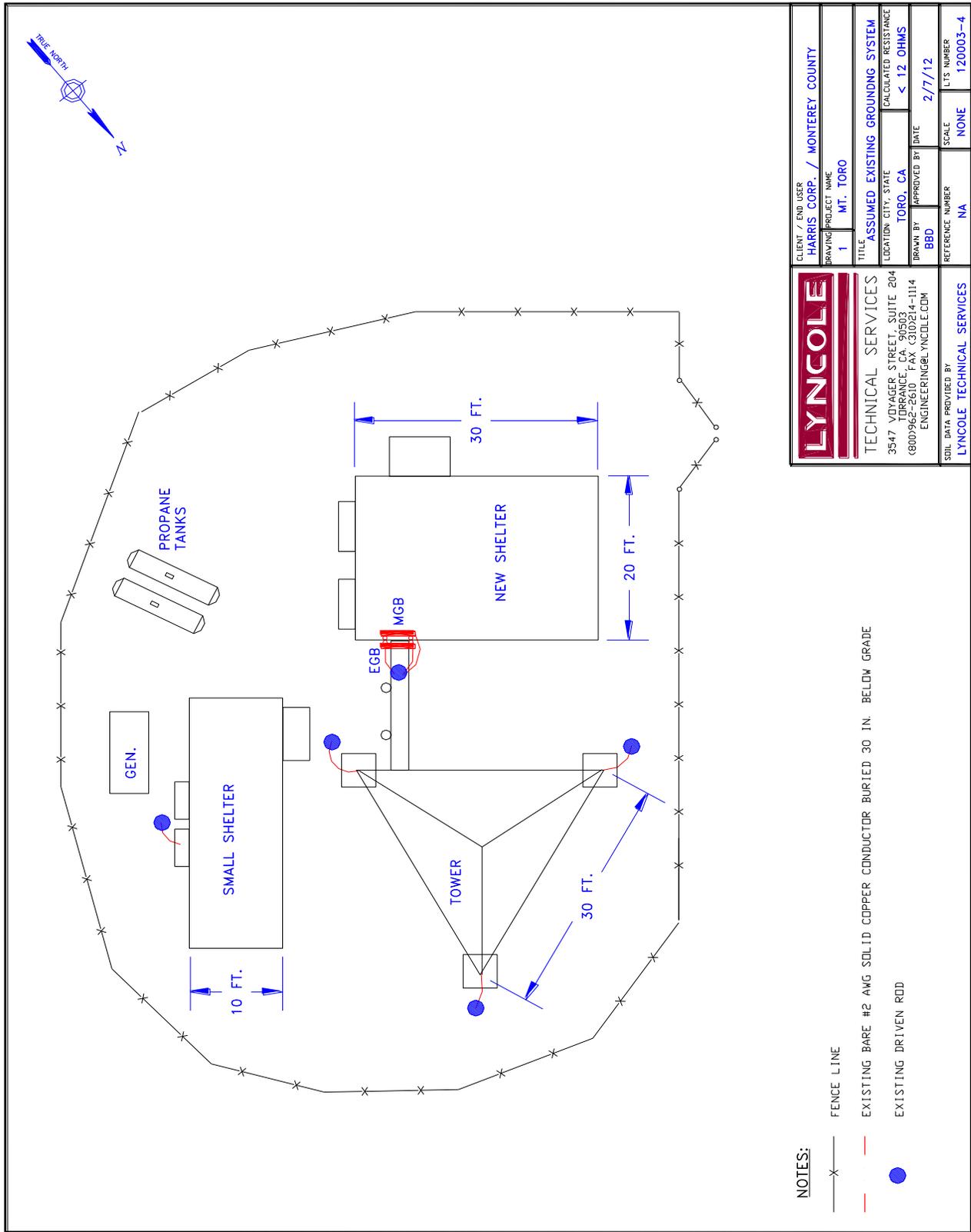
Test Methods:

Wenner 4-Pt. Test:

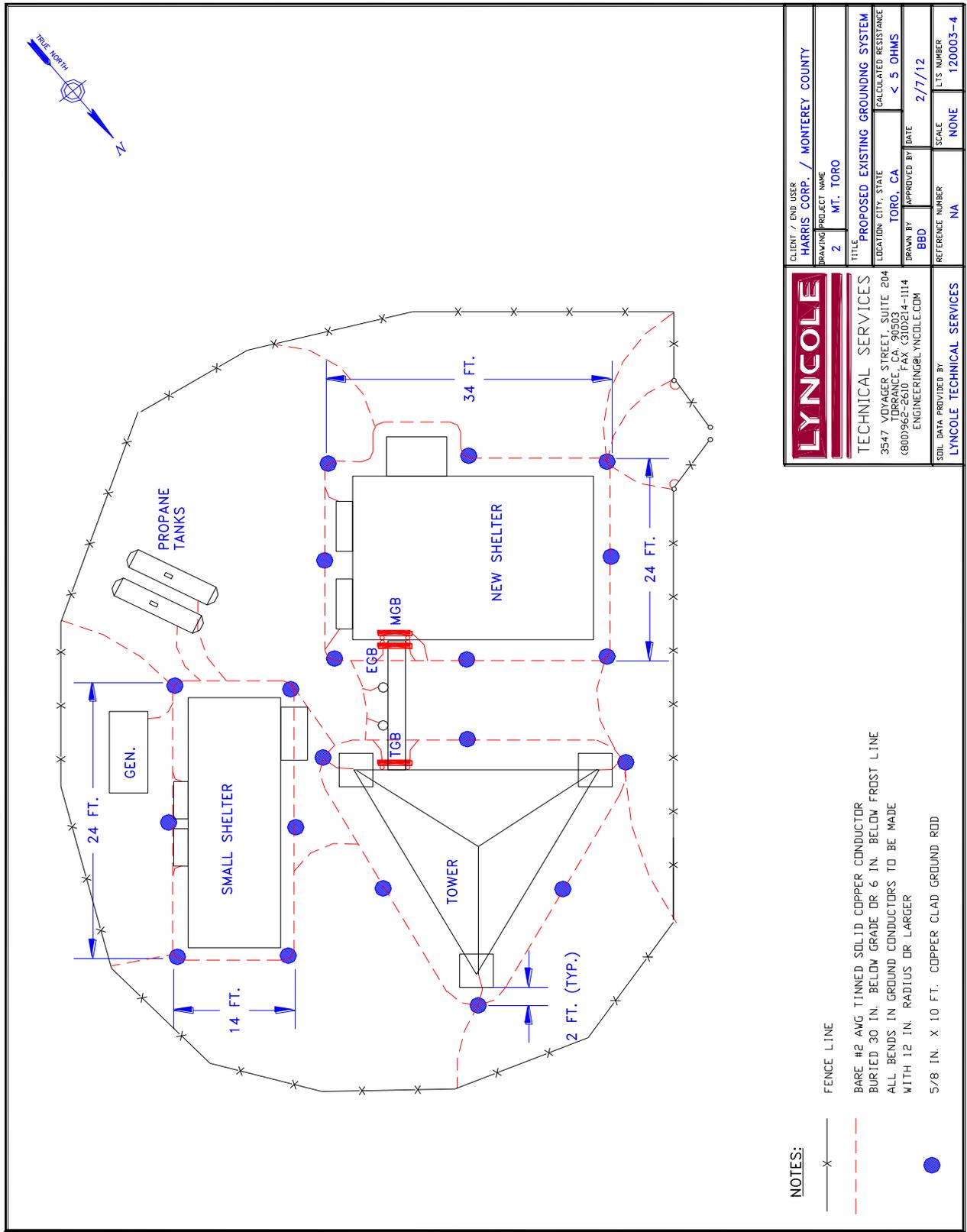
The Wenner Four Point method and Megger DET 2/2 Digital Ground Resistance Tester were used to obtain soil resistivity data. This test uses four probes equally spaced and driven into the soil: two current probes, C1 & C2, and two potential probes, P1 & P2. A current is injected through the soil from one current probe to the other. The voltage drop is measured across soil between the potential probes and then converted to a resistance value and displayed on the meter. This resistance value is converted to soil resistivity values with a simple formula. The result is the average soil resistivity between the surface and a depth equivalent to the spacing of the probes.

Clamp-On Resistance Test:

The Clamp-on Ground Resistance Tester AEMC 3711 was used to determine the resistance to earth of the existing grounding electrode, where possible. This test requires that the jaws of the 3711 be placed around the grounding electrode or grounding electrode conductor above grade and before the first splice or connection.



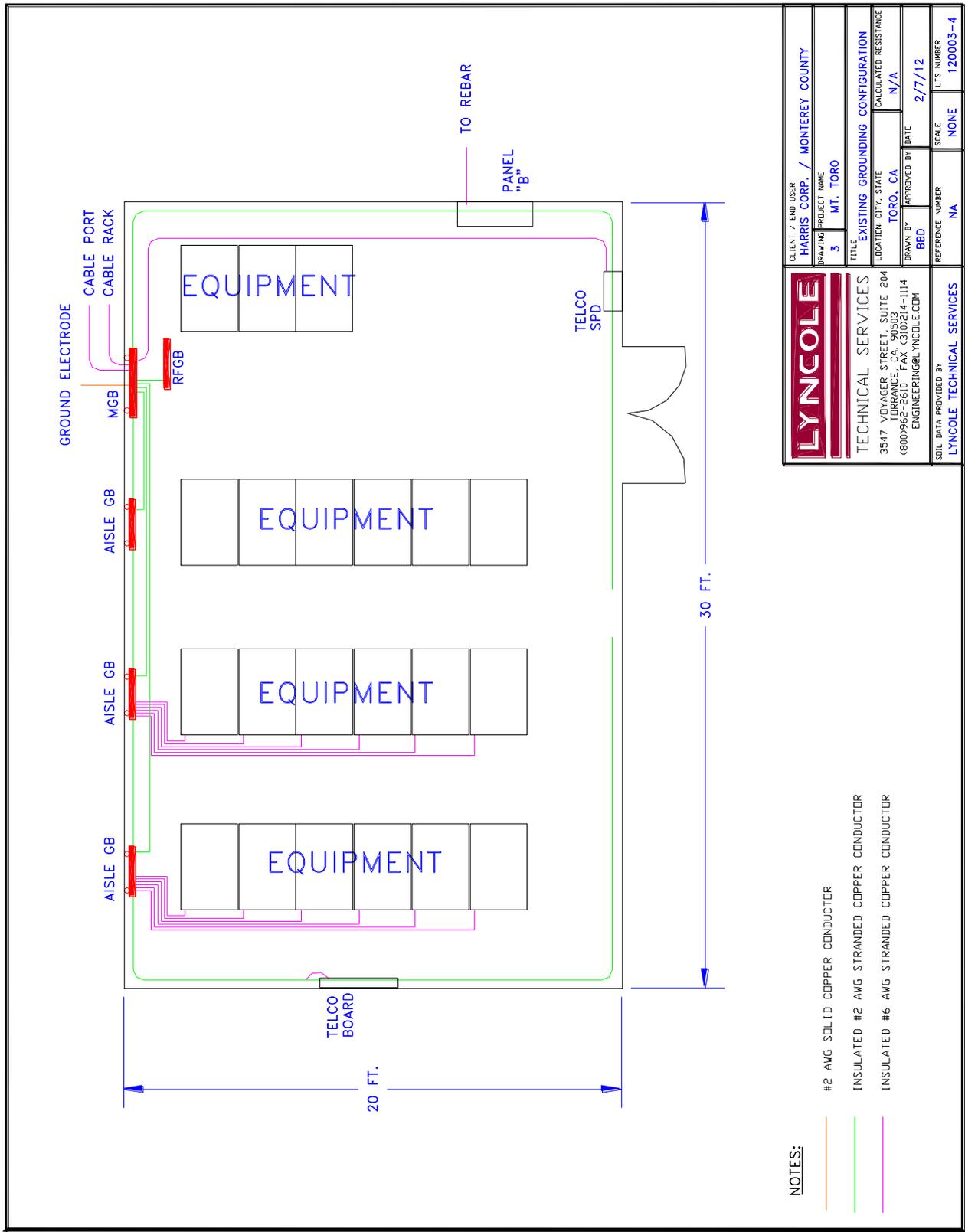
Drawing 1: Assumed Existing Grounding System



LYNCOLE	CLIENT / END USER	HARRIS CORP. / MONTEREY COUNTY
	DRAWING PROJECT NAME	2 MT. TORO
TECHNICAL SERVICES	TITLE	PROPOSED EXISTING GROUNDING SYSTEM
3547 VDYAGER STREET, SUITE 204 TORRANCE, CA 90503 (800)962-2610 FAX (310)214-1114 ENGINEERING@LYNCOLE.COM	LOCATION CITY, STATE	TORRANCE, CA
SOIL DATA PROVIDED BY LYNCOLE TECHNICAL SERVICES	DRAWN BY	BBD
	APPROVED BY	DATE
	REFERENCE NUMBER	NA
	SCALE	NONE
	LTS NUMBER	120003-4

- NOTES:**
- X — FENCE LINE
 - - - BARE #2 AWG TINNED SOLID COPPER CONDUCTOR BURIED 30 IN. BELOW GRADE OR 6 IN. BELOW FROST LINE
 - ALL BENDS IN GROUND CONDUCTORS TO BE MADE WITH 12 IN. RADIUS OR LARGER
 - 5/8 IN. X 10 FT. COPPER CLAD GROUND ROD

Drawing 2: Proposed Grounding System

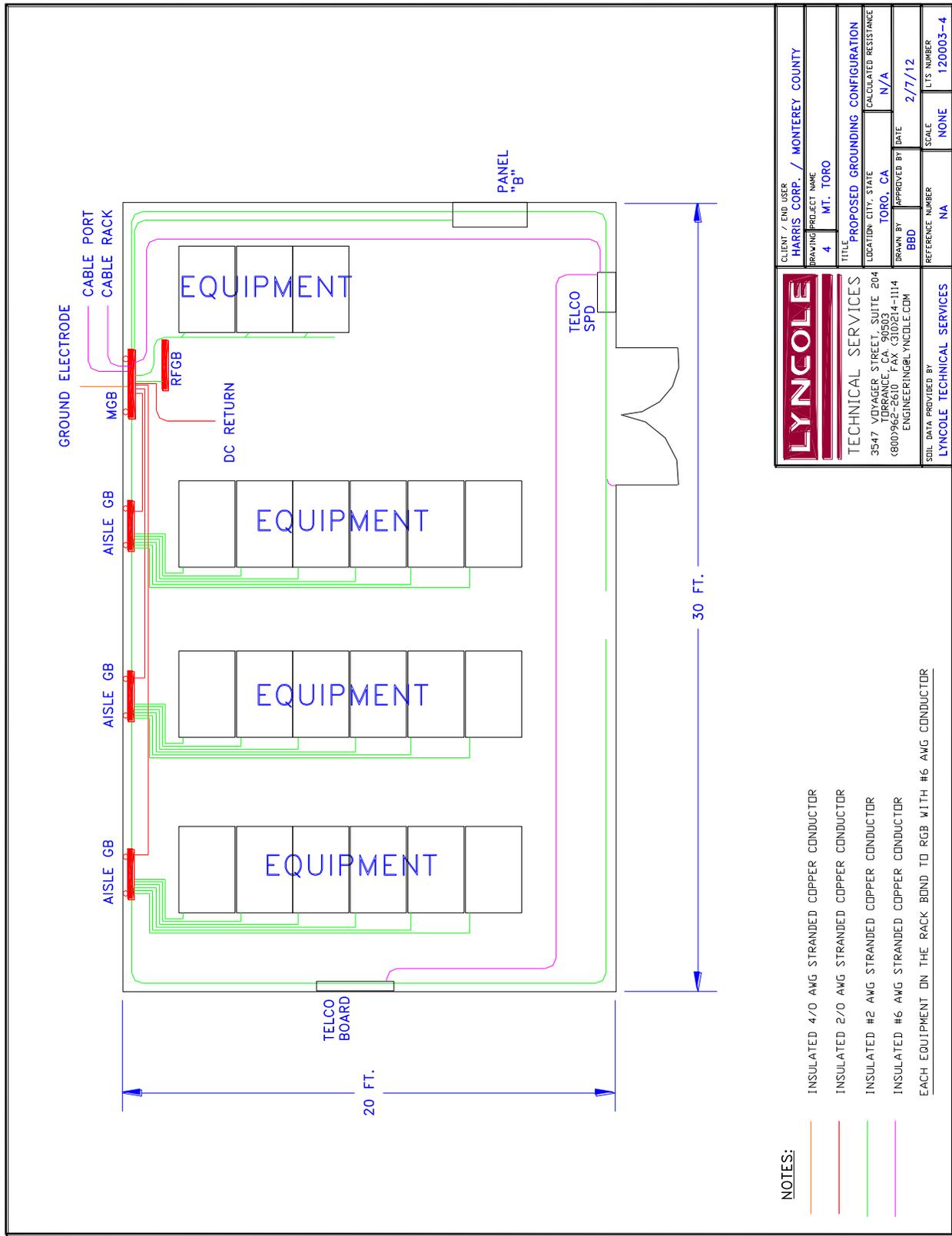


LYNCOLE		CLIENT / END USER HARRIS CORP. / MONTEREY COUNTY
TECHNICAL SERVICES		DRAWING PROJECT NAME 3 MT. TORO
3547 VYAGER STREET, SUITE 204 TORRANCE, CA 90503 (800)962-2610 FAX (310)214-1114 ENGINEERING@LYNCOLE.COM		TITLE EXISTING GROUNDING CONFIGURATION
SOIL DATA PROVIDED BY LYNCOLE TECHNICAL SERVICES		LOCATION: CITY, STATE TORO, CA N/A
		DRAWN BY BBD
		APPROVED BY DATE 2/7/12
		REFERENCE NUMBER NA
		SCALE NONE
		LTS NUMBER 120003-4

NOTES:

- #2 AWG SOLID COPPER CONDUCTOR
- INSULATED #2 AWG STRANDED COPPER CONDUCTOR
- INSULATED #6 AWG STRANDED COPPER CONDUCTOR

Drawing 3: Existing Grounding Configuration



Drawing 4: Proposed Grounding Configuration

**Field Reports
and
Photos**



Soil Resistivity Test



Photo 1: Individual ground rod installed at the tower leg



Photo 2: Tower leg grounding connection



Photo 3: The connection appears corroded



Photo 4: Tower structure

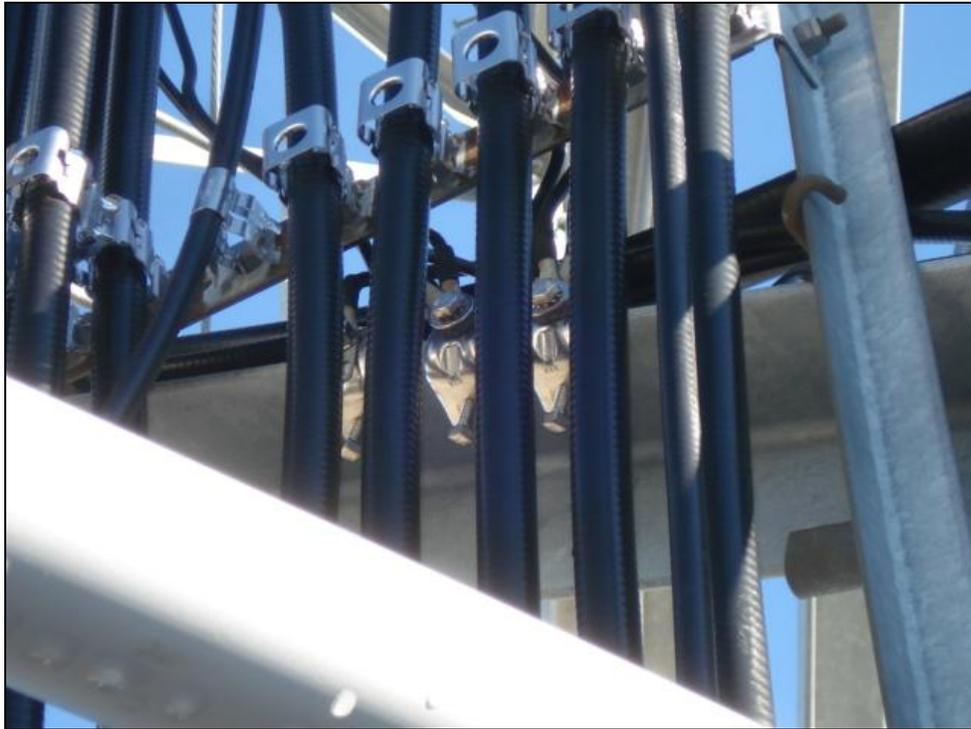


Photo 5: Grounding kits are bonded to the tower crossbeam

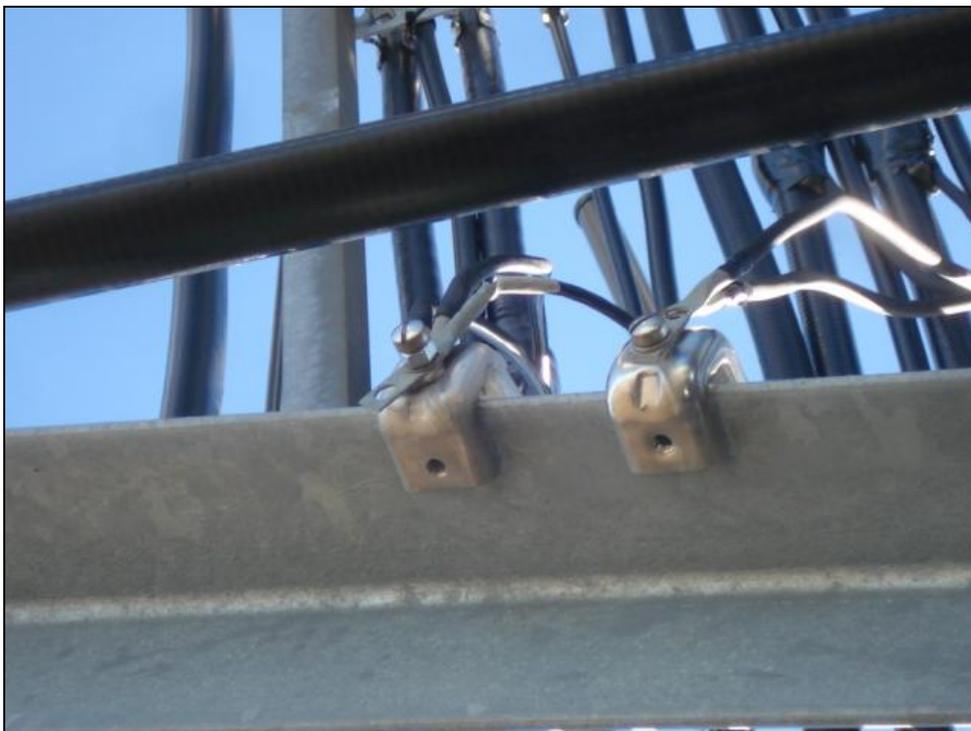


Photo 6: Grounding kits bonding condition



Photo 7: Coaxial cables turning into the shelter without grounding kits installed

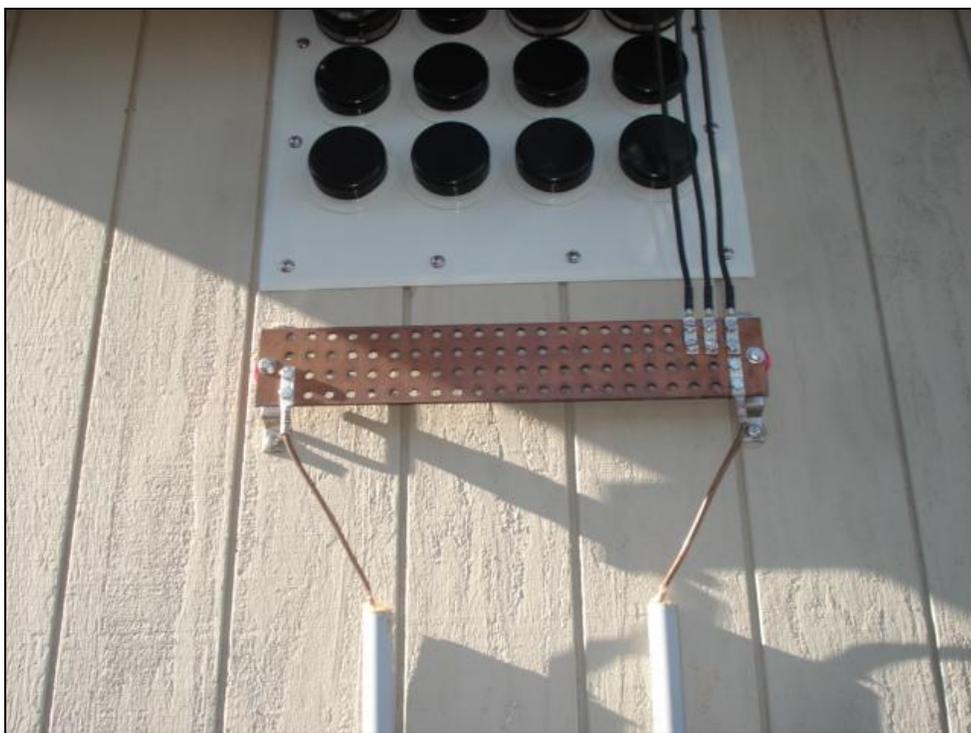


Photo 8: EGB below the cable port



Photo 9: Ice-bridge support posts are not grounded



Photo 10: Fuel tanks are not grounded



Photo 11: Generator is not grounded



Photo 12: Chain link fence is not grounded



Photo 13: Fence post and gatepost are not grounded



Photo 14: Panel "B" is not protected with SPD



Photo 15: Panel "B" is grounded to the re-bar

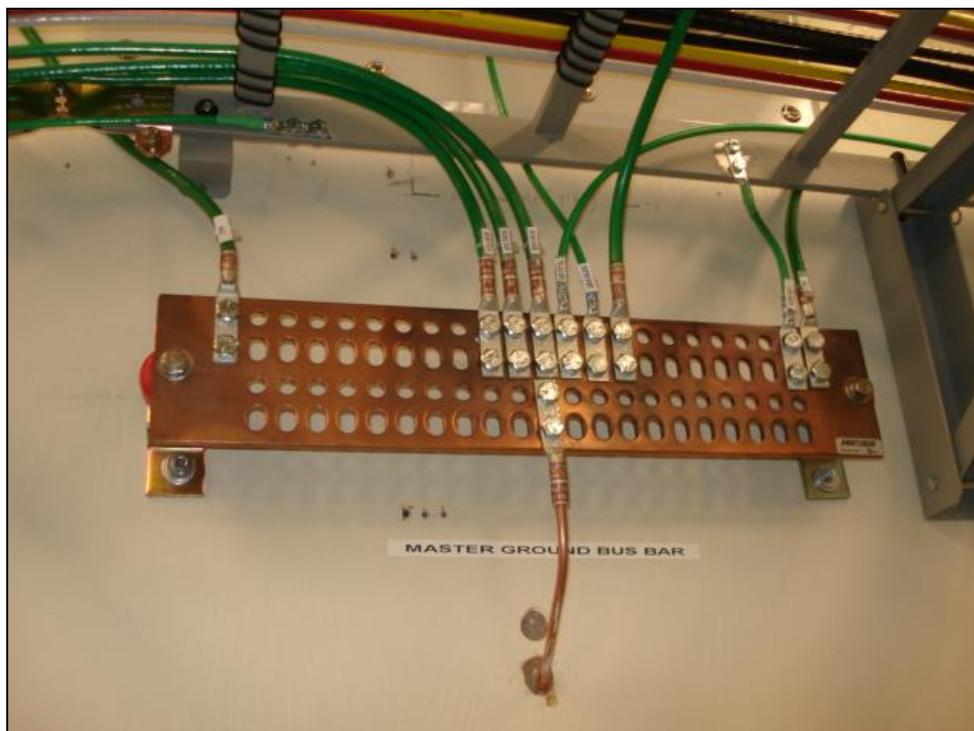


Photo 16: Master Ground Bar (MGB)

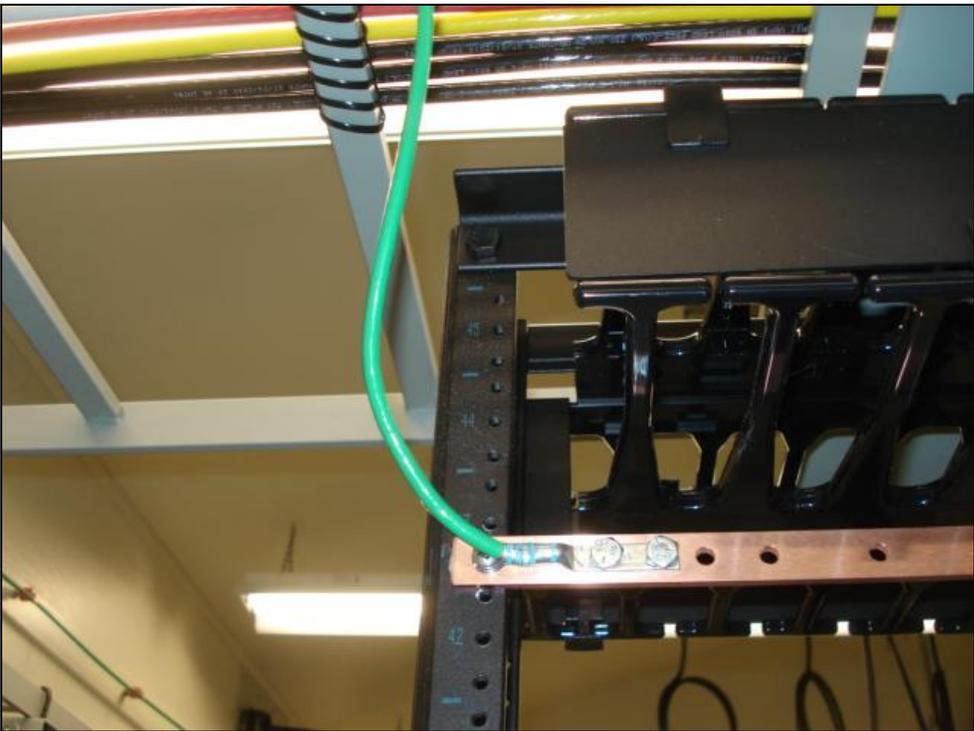


Photo 17: Rack Ground Bar (RGB) is grounded with #6 AWG conductor

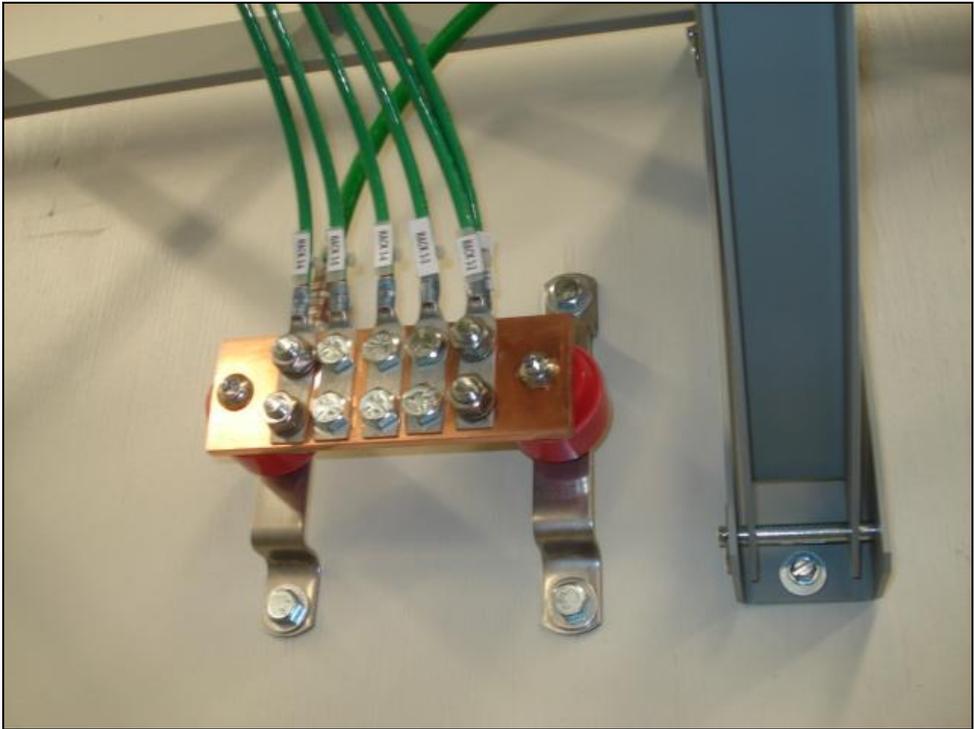


Photo 18: Aisle Ground Bar

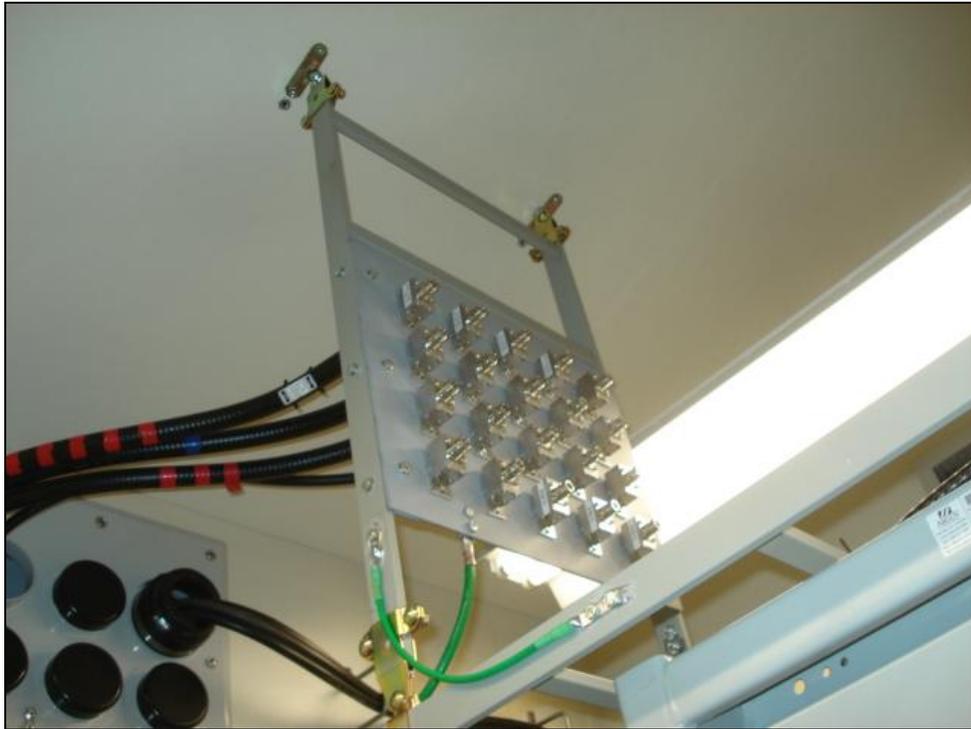


Photo 19: RF Ground bar on the cable rack with a ground loop to cable rack



Photo 20: Telco is bonded to the Halo conductor

LYNCOLE

TECHNICAL SERVICES

Torrance, CA • (310) 214-4000 • www.Lyncole.com
Where Grounding Bonds With Science®

Monterey County Mt. Toro Site Scope of Work Toro, CA March 2012



Lyncole Project: 120003-4
Engineer: Benjamin Du
Account Manager: Zahid Mitha
Date: March 19, 2012

Monterey County Scope of Work Mt. Toro Site Toro, CA

The site coordinate is N36°31'51.63" & W121°36'51.22", Rana Creek, Toro, CA.

Scope of Work:

1. Call DigAlert to clear and mark construction area for any underground obstructions prior to penetration below grade.
2. Dig two (2) trenches, one encircling the new shelter and the other encircling the old smaller shelter. Each trench should be approximately 2 ft. from the shelter's foundation. These trenches must be minimum 30 in. deep and minimum 6 in. wide. Dig a trench encircles the tower structure approximately 34 ft. x 34 ft. x 34 ft. This trench must be minimum 30 in. deep and minimum 6 in. wide. Interconnect the three rings with two interconnecting trenches. These trenches must match the rings in depth and width.
3. Provide and install a total of approximately 300 ft. #2 AWG tinned solid copper ground conductor in three (3) trenches and interconnect them with exothermic weld connections.
4. Provide and install thirty-two (32) 5/8 in. x 10 ft. copper clad ground rod in the location along the grounding ring as described in Drawing 1. Each ground rod should be driven minimum 9 ft. into earth in the bottom of the trench and bonded to the grounding conductor with exothermic weld connection.
5. Bond each tower leg to the tower ground ring with #2 AWG tinned solid copper conductor and exothermic welds. Each conductor must be placed in non-metallic flexible conduit for protection. Each conductor should be swept as straight as possible to the ground ring without sharp bends. All bends in the conductor must form angles less than 90 degrees and have a bend radius of at least eight (8) inches.
6. Provide and install eight (8) #2 AWG tinned solid copper conductors between the ground rings and the fence and gateposts as described in Drawing 1. All conductors should be buried a minimum 18 in. below grade and bonded using exothermic weld connections. A 12 in. non-metallic flexible conduit should be installed on each conductor prior bonding to the fence and gatepost. This conduit should be buried to a point where its midpoint is flush with grade.
7. Provide a #2 AWG tinned solid copper conductor and exothermic weld and bond the climbing ladder on the tower to the tower ground ring. This conductor should be buried minimum 18 in. below grade. A 12 in. non-metallic flexible conduit should be installed on each conductor prior bonding to the fence and gatepost. This conduit should be buried to a point where its midpoint is flush with grade.

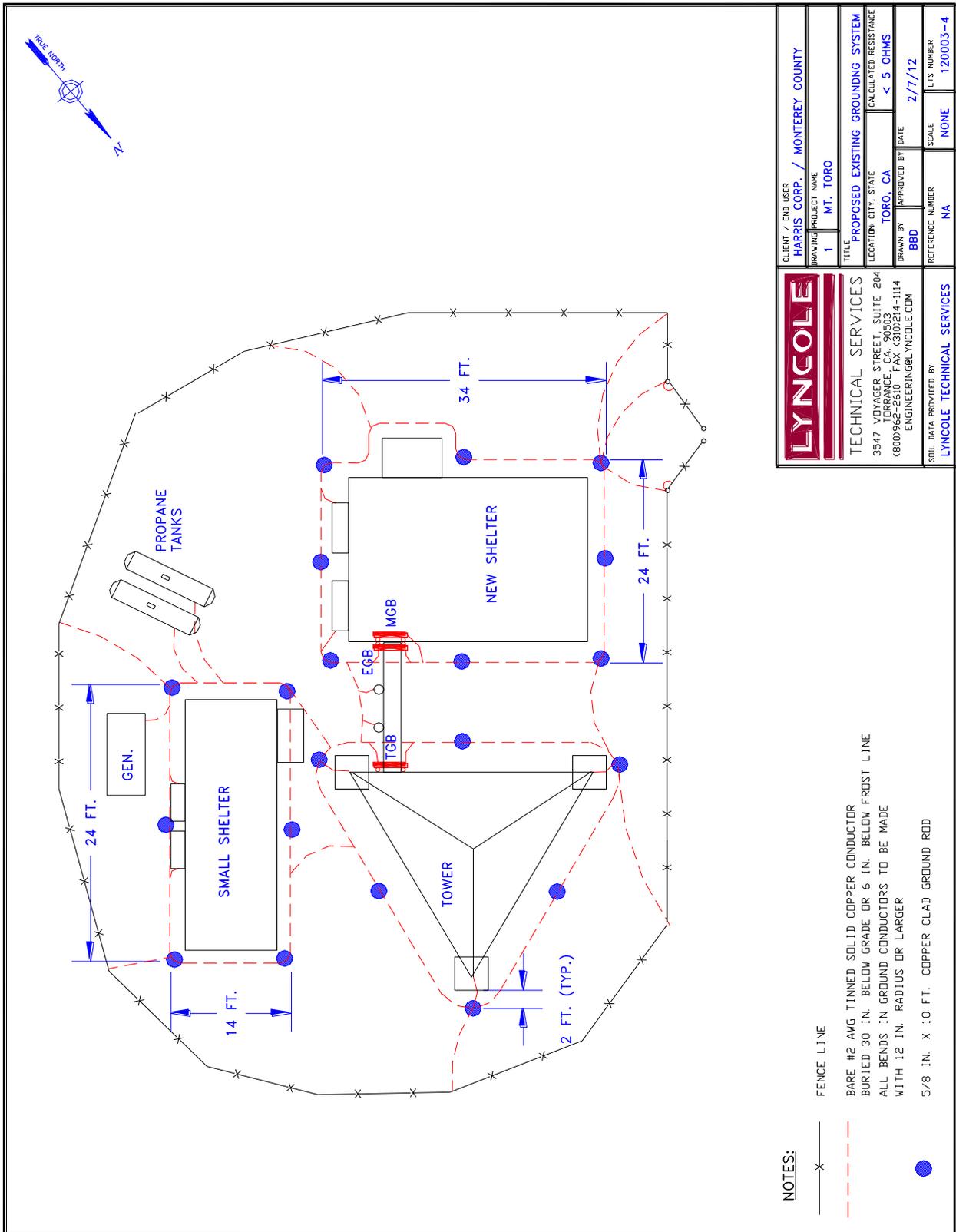
8. Provide and install a 4 in. x 24 in. x ¼ in. tin plated slotted hole ground bar (TGB) on the tower using stainless steel hardware. This ground bar must be placed below the area where the cables make their 90 degree turn horizontally to the shelter. It must be bonded to the tower's ground ring with two (2) #2 AWG tinned solid copper conductors in non-metallic flexible conduits. All connections should be exothermic welds and conductors should be as straight as possible to earth. The bond between the TGB and the conductor shall be an edge weld and not a surface weld.
9. Provide and install grounding kits on the transmission cables (approximately three-two (32)). These grounding kits shall be installed on the vertical portion of the cable prior to them making their 90 degree turn and bonded the TGB using a dedicated set of bolts and two-hole high compression lugs.
10. Provide and install a 4 in. x 24 in. x ¼ in. tinned plated slotted hole ground bar (EGB) below the cable entrance port on the large shelter exterior as EGB. Bond this EGB to the shelter ground ring with two (2) #2 AWG tinned solid copper conductors in non-metallic flexible conduits. All connections should be exothermic welds. The bond between the TGB and the conductor shall be an edge weld and not a surface weld. All conductors should be as straight as possible to earth.
11. All transmission cables prior to entering the cable port must be grounded using ground kits, including the GPS cables. They should be bonded to the EGB by sweeping down as straight as possible and attached with two-hole high compression lugs.
12. Bond each ice-bridge support post to the grounding system using a #2 AWG tinned solid copper conductor and exothermic welds. All conductors must be placed in non-metallic flexible conduit for protection.
13. Bond the cable tray supporting the transmission cable to the EGB with a #2 AWG tinned solid copper conductor and two-hole high compression lugs. Zinc coat upon completion.
14. Install grounding jumpers between the cable tray support to the ice-bridge support posts using #2 AWG tinned solid copper conductor and two-hole high compression lugs. Zinc coat upon completion.
15. Install a ground jumper between the cable port and the EGB using #6 AWG green insulated copper conductor and two-hole high compression lugs. The contact surface paint should be scraped off prior to make the connection.
16. Provide a #2 AWG tinned solid copper conductor and bond both fuel tanks and the generator to the buried grounding system. Attach to the fuel tank's support stand and generator chassis with two-hole high compression lugs. Bond to the ground ring using exothermic welds. All above grade conductors should be placed in non-metallic flexible conduits for protection. All grounding conductors should be buried a minimum 18 in. below grade.

17. Provide #2 AWG tinned solid copper conductors and bond each A/C enclosure on the shelter to the buried ground ring using two-hole high compression lugs and exothermic welds. All above grade conductors should be placed in non-metallic flexible conduits for protection.
18. Provide and install two (2) gatepost grounding jumpers. All connections should be exothermic welds. Zinc coat upon completion.
19. Provide and bond the support skid for the small shelter and all the metallic components around the small shelter to the shelter ground ring with #2 AWG tinned solid copper conductors using exothermic weld where possible. All connections below grade should be exothermic welds. The conductors should be placed in non-metallic flexible conduits for protection.
20. Provide and install two 20 ft. #2 AWG tinned solid conductors bonding the MGB to the shelter ground ring. Both conductors should be placed in non-metallic flexible conduit for protection. The connections to the MGB using two-hole high compression lugs. All below grade connections should be exothermic welds.
21. Provide and install a Type II MOV single phase 120/240Volt SPD on the main service disconnect panel a fuse blade disconnect or the 60A breaker may be required for this task. There shall be no more than 18 inches of conductor between the SPD and the panel.
22. Provide and install a Type I SAD/MOV SPD on Panel "B" (single phase, 120/240V) in the shelter for proper protection of the equipment. A 60A breaker may be required for this task. There shall be no more than 18 inches of conductor between the SPD and the panel.
23. Remove the existing grounding connection for Panel "B" and bond the panel directly to the MGB with a #2 AWG conductor and two-hole high compression lug. Bond the rebar to the buried ground ring using #2 AWG tinned solid copper conductor and UL approved fastener.
24. Provide and install approximately 50 ft. 2/0 AWG welding cable from the DC return ground bar to the MGB in shelter to maintain equal potential between the AC and DC systems, and to clear a DC to chassis fault. All connections shall be two-hole high compression. This conductor shall remain electrically isolated from all other metallic components/equipment and conductors
25. Replace the connections between RGBs and the Aisle Ground Bars with #2 AWG conductors. The connections between the Aisle Ground Bars and the MGB are to be replaced with 2/0 AWG conductors. The connection between the MGB and the grounding system is to be replaced with a 4/0 AWG conductor. All grounding conductors should maintain a 2 in. separation from any other group of cables. See drawings 2 and 3 for appropriate conductor lengths.

26. Remove the grounding connection between the cable rack supporting the RFGB to the cable rack. Isolate this rack from the cable rack with a minimum 2 in. separation.
27. Re-route the telco grounding connection to the MGB to eliminate potential of the surge entering the equipment through the Halo conductor.
28. Provide #6 AWG conductors, two-hole high compression lugs, and high compression crimps and bond all the ancillary apparatus to the existing Halo conductor using. All crimps should be taped with green tape for protection.
29. Backfill all trenches with native soil and compact to acceptance level and clean the site to return to the site to the preconstruction appearance.

Notes:

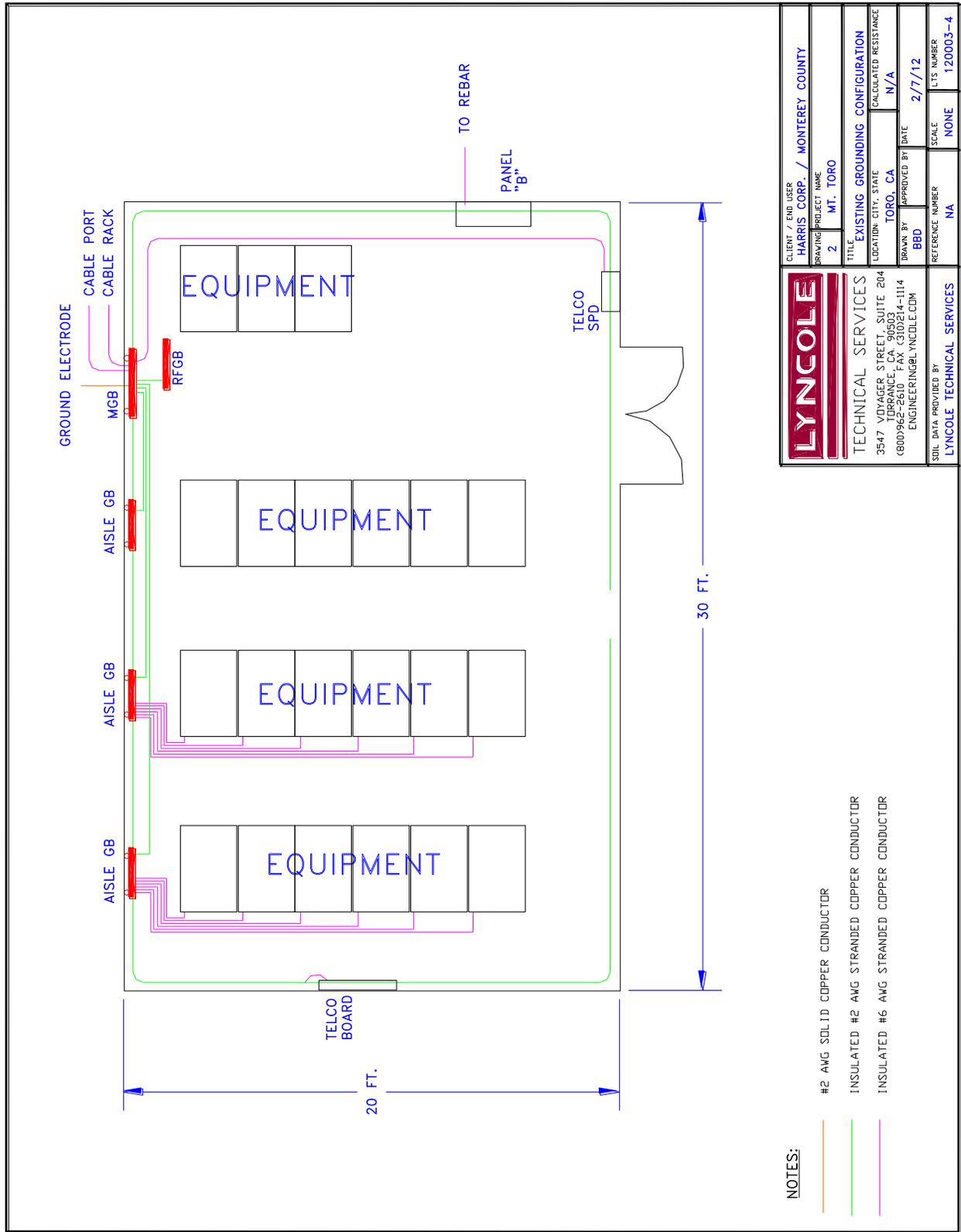
- A. All above grade connections shall be exothermic welds, two-hole high compression tinned copper lugs or crimps.
- B. All below grades connections shall be exothermic welds.
- C. All materials and labor shall be provided by the contractor.
- D. All nuts, bolts, washers, brackets, and other miscellaneous hardware shall be stainless steel.
- E. All non-conductive coatings shall be removed and the metal shall be burnished prior to all bonds.
- F. Anti-oxidant compound shall be applied to all mating surfaces prior to bonding.
- G. All completed exterior bonds shall be treated with a zinc galvanizing compound.
- H. All construction/work shall be performed in a SAFE, WORKMANLIKE manner and in accordance with National Electrical Code, Harris Corp., and Client Specifications. If there is a conflict in the differing specifications, the most stringent shall prevail.
- I. All parts and materials shall be listed by U.L. /equivalent agency or be approved by the Authority Having Jurisdiction (AHJ).
- J. All parts and materials shall by installed/used in the manner listed/intended.
- K. All completed aspects of this Scope-of-Work shall be inspected and signed off by the client, his representative, or Lyncole personnel.
- L. Contractor's work crew will be on site for final inspection and all discrepancies shall be corrected at that time.



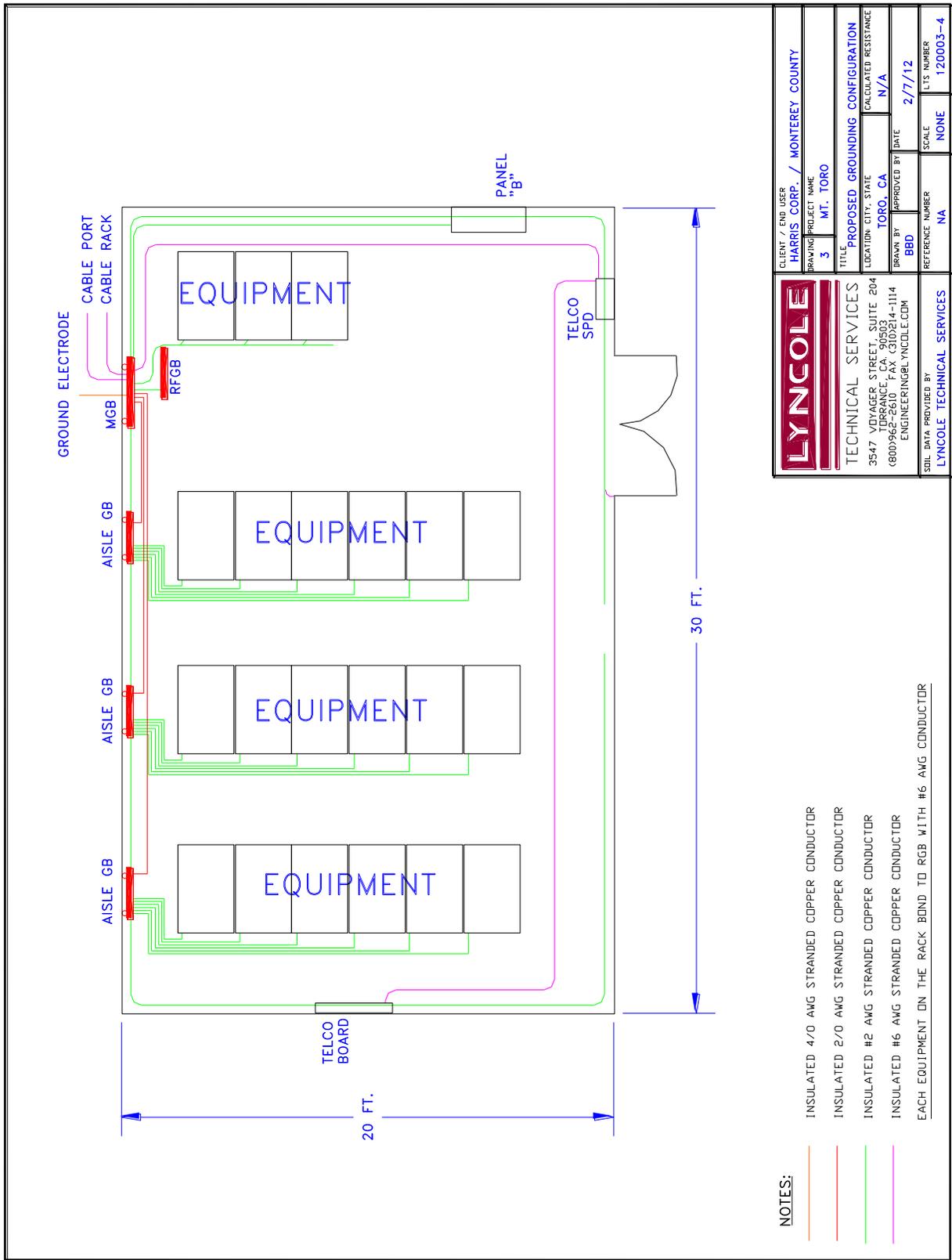
LYNCOLE		CLIENT / END USER HARRIS CORP. / MONTEREY COUNTY
TECHNICAL SERVICES		DRAWING PROJECT NAME 1 Mt. Toro
3547 VYAGER STREET, SUITE 204 TORO, CA 95024 (800)962-2610 FAX (310)214-1114 ENGINEERING@LYNCOLE.COM		TITLE PROPOSED EXISTING GROUNDING SYSTEM
SOIL DATA PROVIDED BY LYNCOLE TECHNICAL SERVICES		LOCATION CITY, STATE TORO, CA
		CALCULATED RESISTANCE < 5 OHMS
		DRAWN BY BBD
		APPROVED BY DATE 2/7/12
		REFERENCE NUMBER NA
		SCALE NONE
		LTS NUMBER 120003-4

- NOTES:**
- X — FENCE LINE
 - - - BARE #2 AVG TINNED SOLID COPPER CONDUCTOR BURIED 30 IN. BELOW GRADE OR 6 IN. BELOW FROST LINE
 - ALL BENDS IN GROUND CONDUCTORS TO BE MADE WITH 12 IN. RADIUS OR LARGER
 - 5/8 IN. X 10 FT. COPPER CLAD GROUND ROD

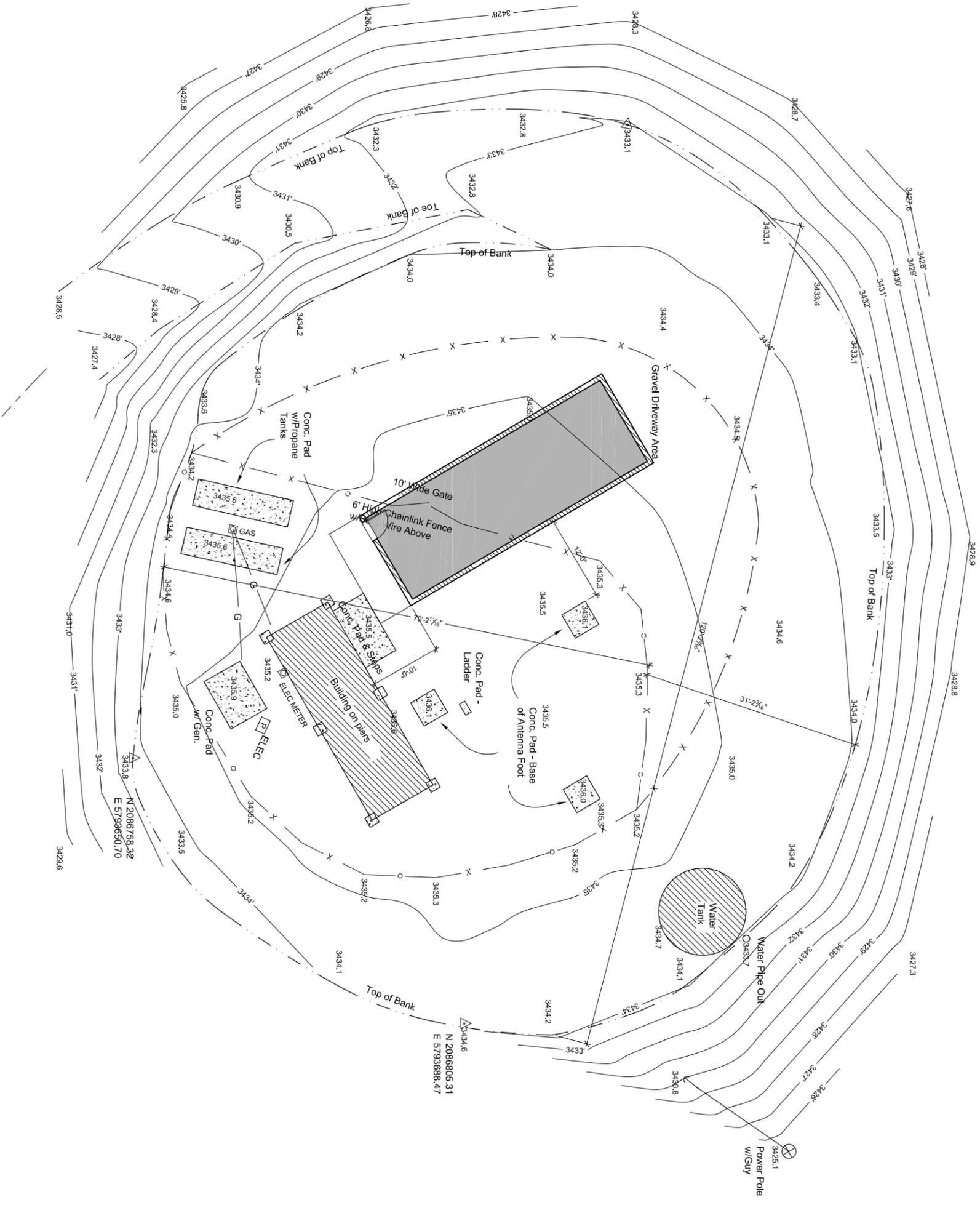
Drawing 1: The Proposed Grounding System

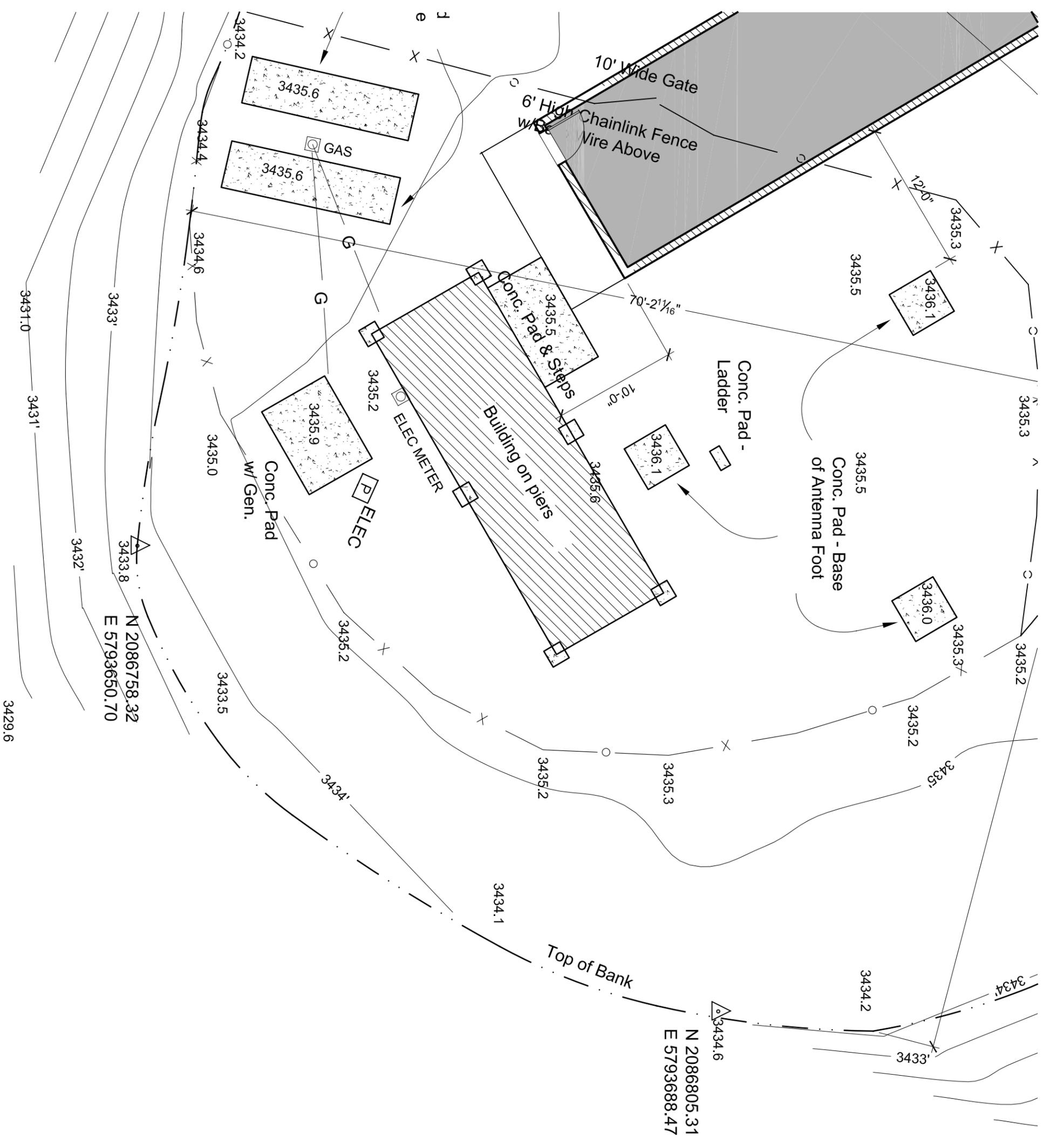


Drawing 2: Existing Grounding Configuration



Drawing 3: Proposed Grounding Configuration





N 2086758.32
 E 5793650.70

N 2086805.31
 E 5793688.47

3429.6

3431.0

3431'

3432'

3433'

3433.8

3434.4

3434.6

3435.0

3435.9

3433.5

3434.1

3434.2

3435.6

3435.6

GAS

3435.2

ELEC METER

3435.9

Conc. Pad w/ Gen.

ELEC

3435.5

Conc. Pad & Steps

3435.2

ELEC METER

3435.9

Conc. Pad - Ladder

3435.5

Conc. Pad - Base of Antenna Foot

3436.1

3436.0

3435.3

3435.2

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