

DOCUMENT 00910

ADDENDA

**CONTRACT NUMBER 11-11-2
PORT OF STOCKTON
WEST COMPLEX DOCK #14 IMPROVEMENTS**

ADDENDUM NO. 1

December 28, 2011

This Addendum No. 1 (“**Addendum**”) is dated the date set forth above and modifies certain Bidding Documents issued by the Port of Stockton (“**Port**”) in connection with the Port’s West Complex Dock #14 Improvements Project, Contract No. 11-11-2. All capitalized terms not otherwise defined herein shall have the meanings provided in the Bidding Documents. There are no other amendments to the Bidding Documents other than those which are expressly contained in this Addendum.

Directives:

1. **Construction Note 4 on Sheet C-2 can be removed as the light pole is now being relocated. See attached plans by HCS Engineering, Sheets E1, E2, E3, and E4.**
2. **Engineer’s Estimate for this project is \$200,000 to \$250,000.**
3. **On Sheet C-2, Notes 2, 3 and 4 can be removed. There is no gas, sanitary sewer or water service to the Quonset.**
4. **The existing floor surface inside the Quonset hut appears to be asphalt concrete. It should be removed to 6” below grade. The sub base material (believed to be aggregate base) shall be moisture conditioned and compacted to 95% RC. Asphalt concrete shall then be placed in lifts in accordance with Caltrans Standards. The finished surface should be graded to drain and flush with the adjacent surfaces.**
5. **The concrete footing may be ground down 4” below grade and resurfaced with asphalt concrete in lifts in accordance with Caltrans Standards. The contractor may choose to remove the footing entirely and replace with asphalt concrete as described in Directive 4 (above).**
6. **All asphalt concrete shall be 3/4” course Type A mix.**
7. **Replace existing Document 00400, Bid Form, with attached revised Document 00400 to reflect changes to Schedule of Bid Prices on page 00400-2.**
8. **Replace existing Document 01100, Summary, with attached revised Document 01100 to reflect changes to Section 1.3, Item D.**

Questions:

9. Q: Will there be any deviation from insurance requirements set forth in Section 00821-1?
A: **Yes. Please replace existing Section 00821 with attached Section 00821.**
10. Q: Insurance and indemnification: Item “C” All Risk Course of Construction is this applicable to this project?
“G” Railroad Protection Insurance, is this applicable to this project?
“I” Pollution Legal Liability, is this applicable to this project?
A: **Replace existing Document 00420, Bidder Registration Form, with attached Document 00420.**

11. Q: Confirming that there is not a Good Faith Goal on this project?
A: **There is no set goal but there are DBE Requirements. What we are asking the primes to do is to solicit DBE's for whatever subcontractor work they can. If they cannot subcontract DBE's for any of the proposed work (bids are too high, etc.), we would like to see the solicitation documentation or "good faith effort" as described in Document 00800, Attachment I and II.**
12. Q: We are to solicit DBE's but we are not required to solicit UDBE's?
A: **Correct.**
13. Q: Notice to Proceed: Who is responsible to prepare the SWPPP plan? What are the applicable permits and who is responsible? Is the fire protection plan applicable to this project?
A: **Replace existing Document 00550, Notice to Proceed, with attached Document 00550.**
14. Q: Required Contents of Bid. There are several forms that are indicated to be filled out for the bid. There are other forms in the documents that indicate a signature is required, but are not shown as documents to be turned in with the bid? Such as: Non-Discrimination/Equal Employment Opp. Page 00800-1-10, Drug Free Workplace 00800-1 – 15, Equal Opportunity Cert. Back page of Attachment II, Public Contract Code Section 10162 Questionnaire, Bidders List of Subcontractors (DBE & Non-DBE) Part 1, Bidders List of Subcontractors Part II, Disclosure of Lobbying Activities back side of Part II. When are these forms turned in? Could you provide a list of documents that have to be turned in with the bid?

A: **These forms are turned in with the Bid. Documents to be turned in are listed in Document 200, Instructions to Bidders.**
15. Q: It looks like there are 4 days to turn in UDBE forms. Is this correct?
A: **Yes.**
16. Q: Import of dirt from Port is covered, are we to dispose of any onsite extra dirt offsite?
A: **The Port will arrange disposal of materials on Rough & Ready Island with the successful bidder.**
17. Q: Can a document indicating that dirt is not contaminated be issued?
A: **Yes.**
18. Q: For the tie in for the water line, can the line be isolated? If so, where are the valves located for the isolation?
A: **Yes, isolating valves will be coordinated with the Port Facilities Maintenance staff and successful bidder.**
19. Q: Does the new water line have to be jumped and chlorinated from the rest of the system?
A: **No.**
20. Will the power be disconnected from the Ex. Pole that is to be removed?
A: **Yes.**
21. Q: Concerning the new fire line will there be any fire permits required and if so who is responsible for the fees, pulling the permit and inspection scheduling? What agencies other than the Port have authority over the work? Fire Line? Electrical?
A: **There is no permit required and the Port will provide inspection.**

22. Q: Is construction water available at the site and is there any cost involved?
A: Yes it is available and there is no cost.
23. Q: At the pre-bid conference we were told the Testing and Materials Lab would be on the Contractor but in Section 5.6, Control of Material, talks about testing by the owner. Please clarify if Testing and Materials Lab (Compaction Testing) will be on Contractor?
A: The Port pays for initial testing. The Contractor pays for any re-testing that would be required if initial tests fail.
24. Q: We would like to confirm that the Port of Stockton has a location for the disposal of waste concrete? If they have such a place please supply the approximate distance from the site.
A: The site is on Rough & Ready Island. The distance is at least 1 mile but no further than 3 miles.
25. Q: Refer to Project Manual 00400-3 Paragraph 5; which states that we must respond to "Bid Items 1-48." However, the schedule of "Bid Prices" has only 19 bid items- Please clarify?
A: Document 00400, Bid Form, shall be replaced by attached Document 00400 to reflect revised page 00400-2, Schedule of Bid Prices, and page 00400-3, "Bid Items 1-19."
26. Q: Can we get a point of contact (name and phone number) for the Port gas provider and for the water service provider for the Quonset hut?
A: Point of contact is Gary Gentry, Director of Facilities & Maintenance, (209)946-0246 x 240.
27. Q: Refer to note on Drawing C-2: "1 foot saw cut." Does this mean the asphalt sawing is to be 12" deep, or does it mean that we would make the sawcut 12" +/- from the edge of the existing A.C. pavement? If the latter is the case, how deep a cut is required?
A: The sawcut line is to be 12" from the edge of the existing A.C. pavement. The depth of the cut should be the depth of the existing pavement.
28. Q: There is a large quantity of stored materials and equipment on the north side of the Hut. Will the Port remove these items so they do not interfere with the access needed to efficiently remove the hut?
A: Yes, the Port will remove items.
29. Q: Does the concrete and asphalt generated by demolition/clearing need to be hauled off of the site?
A: Yes.

**ACKNOWLEDGMENT OF RECEIPT OF ADDENDUM NO. 1 FOR THE PORT OF STOCKTON'S
WEST COMPLEX DOCK #14 IMPROVEMENTS – CONTRACT NO. 11-11-2.**

Please sign and return. FAX a copy of this page to Juan Villanueva, Port of Stockton, at (209) 465-7244 to acknowledge receipt of Addendum No. 1 for this Project consisting of 3 pages.

Signature and Print Name

Date

Company

END OF DOCUMENT

DOCUMENT 00400

BID FORM

TO THE PORT OF STOCKTON

THIS BID IS SUBMITTED BY:

(Firm/Company Name)

Re: Port of Stockton, West Complex Dock #14 Improvements, Contract Number 11-11-2

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with the Port of Stockton, ("Port") in the form included in the Contract Documents, Document 00520 (Agreement), to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Sum and within the Contract Time indicated in this Bid and in accordance with all other terms and conditions of the Contract Documents.
2. Bidder accepts all of the terms and conditions of the Contract Documents, Document 00100 (Notice Inviting Bids), and Document 00200 (Instructions to Bidders), including, without limitation, those dealing with the disposition of Bid Security. This Bid will remain subject to acceptance for 90 Days after the day of Bid opening.
3. In submitting this Bid, Bidder represents:
 - (a) Bidder has examined all of the Contract Documents and the following Addenda (receipt of all of which is hereby acknowledged).

Addendum Number	Addendum Date	Signature of Bidder

- (b) Bidder acknowledges receipt of Pre-Bid Conference minutes, if any.
 - (c) Bidder has visited the Site and performed all tasks, research, investigation, reviews, examinations, and analysis and given notices, regarding the Project and the Site, as set forth in Document 00520 (Agreement), Article 5.
 - (d) Bidder has given Port prompt written notice of all conflicts, errors, ambiguities, or discrepancies that it has discovered in or among the Contract Documents and as-built drawings and actual conditions and the written resolution thereof through Addenda issued by Port is acceptable to Contractor.
4. Based on the foregoing, Bidder proposes and agrees to fully perform the Work within the time stated and in strict accordance with the Contract Documents for the following sums of money listed in the following Schedule of Bid Prices:

SCHEDULE OF BID PRICES

All Bid items, including lump sums, must be filled in completely. Bid items are described in Section 01100 (Summary). Quote in figures only, unless words are specifically requested.

SCHEDULE I-SITE IMPROVEMENTS					
ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	PRICE	ITEM TOTAL
1	CLEAR AND GRUB	LS	1	\$	\$
2	EXCAVATION (16")	CYD	1,150	\$	\$
3	EXCAVATION (30")	CYD	347	\$	\$
4	COMPACT ORIGINAL GROUND	SF	27,027	\$	\$
5	11" AGGREGATE BASE	TON	1,581	\$	\$
6	20" AGGREGATE BASE	TON	462	\$	\$
7	5" ASPHALT CONCRETE	TON	719	\$	\$
8	10" ASPHALT CONCRETE	TON	231	\$	\$
9	SAWCUT EXISTING ASPHALT CONCRETE	LF	414	\$	\$
10	REMOVE EXISTING QUONSET HUT & APPURTENANCES INCLUDING FLOORING AND FOUNDATION	LS	1	\$	\$
11	REMOVE EXISTING POWER POLE & APPURTENANCES	EA	2	\$	\$
12	REMOVE EXISTING TRANSFORMER & APPURTENANCES	LS	1	\$	\$
13	REMOVE CONCRETE ANCHOR BLOCKS	EA	2	\$	\$
14	REMOVE EXISTING 18' GATE	LS	1	\$	\$
15	INSTALL 24' GATE (2-12' PANELS)	EA	1	\$	\$
16	10" WATER LINE REPLACEMENT	LF	196	\$	\$
17	REMOVE EXISTING BOLLARDS	LS	1	\$	\$
18	INTENTIONALLY LEFT BLANK			\$	\$
19	CONNECT TO EXISTING 10" WATER LINE	EA	4	\$	\$
				TOTAL	\$

Total Bid Price: _____
 (Words)

THE PORT RESERVES THE RIGHT TO CONSTRUCT ONE OR ALL OF THE PHASES.

This amount shall constitute full compensation for furnishing all labor, materials, apparatus, facilities, transportation, tools, equipment, permits, bonds and insurance for performance of all the work contemplated and embraced in this contract, and for all risks of every description connected with the work, and for well and faithful completing the work and the whole thereof in the manner and according to the Contract Documents and the requirements of designated Port Project representative.

Discrepancies between the words and numbers will be resolved in favor for the words.

5. Selection of Apparent Low Bidder the undersigned acknowledges that the Apparent Low Bidder will be the Bidder submitting the lowest combination of Bid Items 1 – 19 based on the assumptions (if any) set forth in the Schedule of Bid Prices.
6. Subcontractors for work included in all Bid items are listed on the attached Document 00430 (Subcontractors List).
7. The undersigned Bidder understands that Port reserves the right to reject this Bid.
8. If written notice of the acceptance of this Bid, hereinafter referred to as Notice of Award, is mailed or delivered to the undersigned Bidder within the time described in Paragraph 2 of this Document 00400 or at any other time thereafter before it is withdrawn, the undersigned Bidder will execute and deliver the documents required by Document 00200 (Instructions to Bidders) within the times specified therein. These documents include, but are not limited to, Document 00520 (Agreement), Document 00610 (Construction Performance Bond), and Document 00620 (Construction Labor and Material Payment Bond).
9. Notice of Award or request for additional information may be addressed to the undersigned Bidder at the address set forth below.
10. The undersigned Bidder herewith encloses cash, a cashier's check, or certified check of or on a responsible bank in the United States, or a corporate surety bond furnished by a surety authorized to do a surety business in the State of California, in form specified in Document 00200 (Instructions to Bidders), in the amount of ten percent (10%) of the Total Bid Price and made payable to "Port of Stockton."
11. The undersigned Bidder agrees to commence Work under the Contract Documents on the date established in Document 00700 (General Conditions) and to complete all Work within the time specified in Document 00520 (Agreement). The undersigned Bidder acknowledges that Port has reserved the right to delay or modify the commencement date. The undersigned Bidder further acknowledges Port has reserved the right to perform independent work at the Site, the extent of such work may not be determined until after the opening of the Bids, and that the undersigned Bidder will be required to cooperate with such other work in accordance with the requirements of the Contract Documents.
12. The undersigned Bidder agrees that, in accordance with Document 00700 (General Conditions), liquidated damages for failure to complete all Work in the Contract within the time specified in Document 00520 (Agreement) shall be as set forth in Document 00520 (Agreement).
13. The names of all persons interested in the foregoing Bid as principals are:

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, give the legal name of corporation, state where incorporated, and names of president and secretary thereof; if a partnership, give name of the firm and names of all individual co-partners composing the firm; if Bidder or other interested person is an individual, give first and last names in full.

NAME OF BIDDER: _____

Licensed in accordance with an act for the registration of Contractors, and with license number:

_____ Expiration: _____.

(Place of Incorporation, if Applicable)

(Principal)

(Principal)

(Principal)

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

(Signature of Bidder)

NOTE: If Bidder is a corporation, set forth the legal name of the corporation together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation. If Bidder is a partnership, set forth the name of the firm together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership.

Business Address: _____

Contractor's Representative(s): _____
(Name/Title)

(Name/Title)

(Name/Title)

Officers Authorized to Sign Contracts

(Name/Title)

(Name/Title)

Telephone Number(s):

(Area Code) (Number)

(Area Code) (Number)

Fax Number(s):

(Area Code) (Number)

(Area Code) (Number)

Date of Bid:

END OF DOCUMENT

Worker's Compensation United States Longshoreman's and Harbor Worker Act (USL&H):

Carrier: _____

Address: _____

Phone and Fax: _____

Policy Number: _____

General Liability:

Carrier: _____

Address: _____

Phone and Fax: _____

Policy Number: _____

Policy Limits: \$ _____

A.M. Best Rating: _____

Automobile Liability:

Carrier: _____

Address: _____

Phone and Fax: _____

Policy Number: _____

Policy Limits: \$ _____

A.M. Best Rating: _____

Professional Liability (if applicable, as required by Document 00821 [Supplementary Conditions – Insurance]):

Carrier: _____

Address: _____

Phone and Fax: _____

Policy Number: _____

Policy Limits: \$ _____

A.M. Best Rating: _____

Pollution Legal Liability Insurance (if applicable, as required by Document 00821 Supplementary Conditions – Insurance):

Carrier: _____

Address: _____

Phone and Fax: _____

Policy Number: _____

Policy Limits: \$ _____

A.M. Best Rating: _____

BIDDER CERTIFIES, UNDER PENALTY OF PERJURY, THAT THE FOREGOING INFORMATION IS CURRENT AND ACCURATE AND AUTHORIZES THE PORT OF STOCKTON, AND ITS AGENTS AND REPRESENTATIVES TO OBTAIN A CREDIT REPORT AND/OR VERIFY ANY OF THE ABOVE INFORMATION.

SIGNATURE

DATE

SAFETY EXPERIENCE

The following statements as to the Bidder's safety experience are submitted with the Bid, as part thereof, and the Bidder guarantees the truthfulness and accuracy of all information.

1. List Bidder's interstate Experience Modification Rate for the last three years.

[20__] _____ [20__] _____ [20__] _____

2. Use Bidder's last year's Cal/OSHA 200 log to fill in the following number of injuries and illnesses:

a. Number of lost workday cases _____

b. Number of medical treatment cases _____

c. Number of fatalities _____

3. Employee hours worked last year _____

4. State the name of Bidder's safety engineer/manager:

Attach a resume or outline of this individual's safety and health qualifications and experience.

I CERTIFY, UNDER PENALTY OF PERJURY, THAT THE FOREGOING INFORMATION IS CURRENT AND ACCURATE AND I AUTHORIZE THE PORT OF STOCKTON, AND ITS AGENTS AND REPRESENTATIVES TO OBTAIN A CREDIT REPORT AND/OR VERIFY ANY OF THE ABOVE INFORMATION.

[BIDDER'S NAME]

By: _____
Signature

Its: _____
Title

Date: _____

END OF DOCUMENT

DOCUMENT 00550

NOTICE TO PROCEED

Dated:

To:

Address:

CONTRACT FOR: **PORT OF STOCKTON WEST COMPLEX DOCK #14 IMPROVEMENTS**

PROJECT NO: **11-11-2**

You are notified that the Contract Time under the above Contract will commence to run on _____. On that date, you are to start performing your obligations with respect to Work at the Site under the Contract Documents. In accordance with Article 3 of Document 00520 (Agreement), the dates of Substantial Completion and Final Completion for the entire Work are _____ and _____, respectively.

Before you may start any Work at the Site, you must:

1. Submit and obtain Port approval for all plans and programs required by Section 01340 (Safety Submittals).
2. Submit copy of completed Construction Management Fact Sheet.
3. Submit and obtain Port approval for Traffic Control Plan prior to commencement of work.
4. Submit any and all required permits for this project.

PORT OF STOCKTON

By : _____

Its: _____

END OF DOCUMENT

DOCUMENT 00821

INSURANCE AND INDEMNIFICATION

1. INSURANCE REQUIREMENTS

At or before the date specified in Document 00200 (Instructions to Bidders), Contractor shall furnish to Port satisfactory proof that Contractor has in force continuously for the entire period covered by the Contract the following classes of insurance in the form and with limits and deductibles specified below:

- A. Comprehensive or Commercial General Liability Insurance covering claims for personal injury, bodily injury and property damage arising out of the Work and in a form providing coverage not less than that of a standard Commercial General Liability Insurance policy (“Occurrence Form”). Such insurance shall provide for all operations and include independent contractors, products liability, completed operations for one year after Final Completion of the last Phase to be completed and acceptance of the final payment for the Work, contractual liability, and coverage for, collapse. The limits of such insurance shall not be coverage of less than [\$1,000,000] each occurrence, [\$2,000,000] general aggregate limit, and [\$2,000,000] aggregate for products and completed operations. Any deductible or self-insured retention should not exceed \$25,000. The policies shall be endorsed to provide Broad Form Property Damage Coverage.
- B. Comprehensive Automobile Liability Insurance covering all owned, non-owned, and hired vehicles. Such insurance shall provide coverage not less than the standard Comprehensive Automobile Liability policy with limits not less than [\$1,000,000] each person Bodily Injury, [\$1,000,000] each occurrence Bodily Injury and [\$1,000,000] each occurrence Property Damage (or [\$1,000,000] combined single limit, each accident).
- C. Workers’ Compensation in accordance with the Act of Legislature of State of California, know as “Workers’ Compensation Insurance and Safety Act,” approved May 26, 1913, and all acts amendatory or supplemental thereto, in the statutory amount, as well as coverage to protect against claims under United States Longshoreman’s and Harbor Worker Act for all persons whom the Supplier may employ in carrying out Work contemplated under Procurement Documents. The limit for United States Longshoreman’s and Harbor Workers must meet federal act requirements.
- D. Workers’ Compensation including coverage under United States Longshoreman’s and Harbor Worker Act, for all persons whom the Contractor may employ or subcontract in carrying out Work contemplated under Contract Documents, in accordance with the Act of Legislature of State of California, known as “Workers’ Compensation Insurance and Safety Act,” approved May 26, 1913, and all acts amendatory or supplemental thereto, in the statutory amount.
- E. Employer’s Liability with limits no less than \$1,000,000 Bodily Injury by Accident and \$1,000,000 Bodily Injury by Disease.
- F. Umbrella or Excess Liability insurance with limits of not less than \$5,000,000 per occurrence and annual aggregate, except per occurrence only for Automobile Liability. Coverage is to be excess of Commercial General Liability, Automobile Liability and Employers Liability.
- G. Professional Liability insurance for licensed professionals performing work pursuant to this Agreement in an amount of at least \$1,000,000 per claim and per policy aggregate covering the licensed professionals’ errors and omissions. Any deductible or self-insured retention should not exceed \$25,000.
- H. Pollution Legal Liability – providing bodily injury and property damage with limits of not less than \$5,000,000 per occurrence. Such insurance shall include coverage for any environmental damage and related remediation and cleanup costs. Any deductible or self-insured retention should not exceed \$25,000. The coverage shall be in effect for the duration of the Project and for not less than 2 years following Final Completion of the Project.
- I. All policies of insurance shall be placed with insurers acceptable to Port. The insurance underwriter(s) must be duly licensed to do business in the State of California and (other than for workers’ compensation) must have an A. M. Best Company rating of A-, VII or better. Required minimum amounts of insurance may be

increased should conditions of Work, in opinion of Port, warrant such increase. Contractor shall increase required insurance amounts upon direction by Port.

- J. Required Endorsements: The policies required under paragraphs 1.A, 1.B, 1.C, 1.F and 1.J of this Document 00821 shall be endorsed, in a form and manner acceptable to Port, as follows:
1. Name Port of Stockton, its Board of Commissioners and their employees, representatives, consultants (including without limitation Architect/Engineer and Project Manager), and agents, as additional insured's, but only with respect to liability arising out of the activities of the named insured.
 2. Each such policy shall apply separately to each insured against whom claim is made or suit is brought.
 3. Insurance shall be primary and no other insurance or self-insured retention carried or held by Port shall be called upon to contribute to a loss covered by insurance for the named insured.
 4. Insurance shall contain a provision requiring the insurance carriers to waive their rights of subrogation against Port and all additional insured's, as well as other insurance carriers for the Work
 5. Declarations Pages Required. Contractor or its insurance broker shall submit a copy of the Declarations page for each policy under Sections 1.A thru 1. J above. The page shall include the name of the carrier, the policy number, the types of coverage and limits, the effective dates of the policy, and the broker's name and license number.
- K. Declarations Page and endorsements shall have clearly typed thereon Port Contract Number and title of Contract Documents. Written notice of cancellation, non-renewal, or reduction in coverage of any policy shall be mailed to Port (Attention: Cheryl Taylor) at the address listed in Document 00520 (Agreement), 30 Days in advance of the effective date of the cancellation, non-renewal, or reduction in coverage. Contractor shall maintain insurance in full force and effect during entire period of performance of Contract Documents. Contractor shall keep insurance in force during warranty and guarantee periods, except that Contractor may discontinue All-Risk Course of Construction Insurance after Final Payment, completion of project and sign off by the Port of Stockton. At time of making application for extension of time, and during all periods exceeding the Contract Time resulting from any cause, Contractor shall submit evidence that insurance policies will be in effect during requested additional period of time. Upon Port's request, Contractor shall submit to Port, within 30 Days, copies of the actual insurance policies or renewals or replacements.
- L. Contractor shall pay all insurance premiums, including any charges for required waivers of subrogation or the endorsement of additional insured's. If Contractor fails to maintain insurance, Port may take out comparable insurance, and deduct and retain amount of premium from any sums due Contractor under Contract Documents.
- M. If injury occurs to any employee of Contractor, Subcontractor or sub-subcontractor for which the employee, or the employee's dependents in the event of employee's death, is entitled to compensation from Port under provisions of the Workers' Compensation Insurance and Safety Act, as amended, or for which compensation of any kind is claimed from Port, Port may retain out of sums due Contractor under Contract Documents, amount sufficient to cover such compensation, as fixed by the Act, as amended, until such compensation is paid, or until it is determined that no compensation is due. If Port is compelled to pay compensation, Port may, in its discretion, either deduct and retain from the Contract Sum the amount so paid, or require Contractor to reimburse Port.
- N. Nothing in this Document 00821 shall be construed as limiting in any way the extent to which Contractor or any Subcontractor may be held responsible for payment of damages resulting from their operations.
- O. All Subcontractors shall maintain the same insurance required in 1.A, 1.B, 1.D, 1.E (if applicable) and 1.I (if applicable) to be maintained by Contractor with respect to their portions of the Work, and Contractor shall cause the Subcontractors to furnish proof thereof to Port within ten Days of Port's request.
- P. The following provisions apply to each Principal Designer, and any other licensed professional engaged by Contractor to perform portions of the Work ("Professional").

1. Each Professional shall maintain the following insurance at its sole cost and expense:
 - a. Provided such insurance is customarily required by Port when professionals engaged in the profession practiced by Professional directly contract with Port, Professional Liability Insurance, insuring against professional errors and omissions arising from Professional's work on the Project, in an amount not less than \$3,500,000 combined single limit for each occurrence. Any deductible or self-insured retention should not exceed \$25,000. If Professional cannot provide an occurrence policy, Professional shall provide insurance covering claims made as a result of performance of Work on this Project and shall maintain such insurance in effect for not less than three years following Final Completion of the Project.
 - b. All insurance required by paragraphs 1.A, 1.B, 1.D, 1.E (if applicable), and 1.F of this Document 00821. Professional shall satisfy all other provisions of this Document 00821 relating to that insurance, including without limitation providing required insurance certificates (containing the required endorsements) and declarations pages before commencing its Work on the Project.

2. RESPONSIBILITY OF CONTRACTOR AND INDEMNIFICATION

A. Contractor's Responsibility for the Work.

1. Except for damage caused by the sole negligence, willful misconduct or active negligence of Port or its agents, Contractor shall be solely responsible for any loss or damage that may happen to any part of the Work, materials or other things used in performing the work, injury, sickness, disease, or death of any person as a result of the Work, or resulting damage to property.
2. Port and each of its officers, employees, consultants and agents including, but not limited to the Board, Architect/Engineer and each Port Representative, shall not be liable or accountable in any manner for loss or damage that may happen to any part of the Work; loss or damage to materials or other things used or employed in performing the Work; injury, sickness, disease, or death of any person as a result of the Work; or damage to property resulting from any cause whatsoever except their sole negligence, willful misconduct or active negligence, and Contractor releases all of the foregoing persons and entities from any and all such claims.
3. With respect to third-party claims against Contractor, Contractor waives any and all rights to any type of express or implied indemnity against Port and each of its officers, employees, consultants and agents including, but not limited to Port, the Board, Architect/Engineer and each Port representative.
4. Contractor also waives subrogation rights under applicable insurance policies, to the greatest extent permitted by law, and will require this same waiver of subrogation by its subcontractors, in all policies of insurance, against all other project participants, to include Contractor, Subcontractors, Port, Architect Engineer, each Port representative, government agencies and inspectors.

B. Claims Arising From the Work

1. To the furthest extent permitted by law (including without limitation California Civil Code Section 2782 and, if and to the extent applicable, California Civil Code Section 2782.8), Contractor shall assume defense of, and indemnify and hold harmless, Port and each of its officers, employees, consultants and agents, including but not limited to the Board, Architect/Engineer and each Port representative, from claims, suits, actions, losses and liability of every kind, nature and description, including but not limited to claims and fines of regulatory agencies and attorney's fees and consultant's fees, directly or indirectly arising out of, connected with or resulting from performance of the Work, failure to perform the Work, or condition of the Work which is caused in whole or part by any act or omission of Contractor, Subcontractors, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable.
2. Contractor's indemnity obligation shall not apply to any indemnified party to the extent of its sole negligence or willful misconduct; nor shall it apply to Port or other indemnified party to the extent of its active negligence.

C. Scope of Indemnification Obligation.

Approval or purchase of any insurance contracts or policies shall in no way relieve from liability nor limit the liability of Contractor, its Subcontractors of any tier, or the officers or agents of any of them. In the event of loss, however, Contractor shall give all required notices to all insurance carriers, and shall require its subcontractors to do the same. Port may, in its discretion, request evidence of such notices from Contractor.

D. Scope of Contract Limitations of Liability.

To the furthest extent permitted by law (including, without limitation, Civil Code Section 2782 and, if and to the extent applicable, Civil Code section 2782.8), the indemnities, releases of liability and limitations of liability, claims procedures, and limitations of remedy expressed throughout Contract Documents shall apply even in the event of breach of contract, negligence (active or passive), fault or strict liability of the party(is) indemnified, released, or limited in liability, and shall survive the termination, rescission, breach, abandonment, or completion of the Work or the terms of the Contract Documents.

END OF DOCUMENT

SECTION 01100

SUMMARY

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes:
 - 1. Summary of Work and Work Restrictions including:
 - a. Work Covered By Contract Documents
 - b. Bid Item, Allowances and Alternates
 - c. Work Under Other Contracts
 - d. Future Work
 - e. Work Sequence
 - f. Work Days and Hours
 - g. Shutdown for Discovery of Cultural Resources
 - h. Cooperation of Contractor and Coordination with Other Work
 - i. Partial Occupancy/Utilization Requirements
 - j. Contractor Use of Site
 - k. Air Quality Standards
 - l. SWPPP, NPDES Permit
 - m. Construction Staking and Monument Protection
 - n. Protection of Existing Structures and Underground Facilities
 - o. Permits
 - p. Port-Furnished Products

1.2 WORK COVERED BY CONTRACT DOCUMENTS

- A. The project consists of the installation of an asphalt surfaced area for the purpose of truck access and loading and unloading of materials. The improvements will be located in the northeast corner of the Port's West Complex (Rough & Ready Island) at the northwest corner of Embarcadero Drive and Hooper Drive. The Improvements include the new pavement sections (approximately 27,000 SF), the removal of Quonset hut, and the replacement of 10" water line (approximately 200 LF). The improvements also include removal of power poles, a transformer, anchor blocks, and bollards. Additionally, the existing gate will be removed and replaced with a 24' gate (2-12' gates). Installation of lighting and communications conduit associated with Dock #14 improvements are also included in the project.
- B. The Work of this Contract comprises construction of all the Work indicated, described in the Specifications, Drawings, or otherwise required by the Contract Documents.
- C. If Contractor requires additional fill, it shall obtain the fill from Port as provided in Part 2 below. Port shall charge Contractor \$1.00 per cubic yard for fill. If possible, Contractor will pay for imported fill by deduction from next payment application; otherwise, amounts will be due within 30 days of receiving Port invoice.
- D. Unless provided otherwise in the Contract Documents, all risk of loss to Work covered by Contract Documents shall rest with Contractor until Final Acceptance of the Work.
- E. Cost of maintenance of systems and equipment prior to Final Acceptance will be considered as included in prices Bid and no direct or additional payment will be made therefore.

1.3 **BID ITEMS, ALLOWANCES AND ALTERNATES**

- A. Any Bid item may be deleted from the Work and Contract Sum, in total or in part, prior to or after award of Contract without compensation in any form or adjustment of other Bid items or prices therefore.
- B. Payment of all items is subject to provisions of Contract Documents.
- C. For all Bid items, furnish and install all Work, including connections to existing systems, indicated and described in Specifications, Drawings, and all other Contract Documents. Work and requirements applicable to each individual Bid item, or unit of Work, shall be deemed incorporated into the description of each Bid item (whether Lump Sum or Unit Price).
- D. Description of Unit Price and Lump Sum Items (listed by Bid item numbers):
 - 1. Remove all undesirable material within the project limits.
 - 2. Excavate the existing native material to subgrade elevation (16" section).
 - 3. Excavate the existing native material to subgrade elevation (30" section).
 - 4. Perform the necessary compaction to prepare the subgrade.
 - 5. Place and compact Class II aggregate base (11" section).
 - 6. Place and compact Class II aggregate base (20" section).
 - 7. Place asphalt concrete including the application of prime coat to the aggregate base (5" section).
 - 8. Place asphalt concrete including the application of prime coat to the aggregate base (10" section).
 - 9. Sawcut existing asphalt as shown on plans.
 - 10. Remove existing building and appurtenances, including flooring and foundation if applicable, and dispose of building materials under proper mitigation measures regarding asbestos or other hazardous material, if any. Terminate existing utilities per plan. Finish surface shall drain and be flush with adjacent surfaces.
 - 11. Remove existing power pole and appurtenances as shown on plans.
 - 12. Remove existing transformers and appurtenances, including fencing and foundations as shown on plans.
 - 13. Remove existing concrete anchor blocks as shown on plans.
 - 14. Remove existing gate fence, and appurtenances as shown on plans.
 - 15. Install 24' swing gate (2-12' gates). Replace fencing where shown on plans.
 - 16. Abandon existing 10" water line in place and replace with Class 150 C-900 10" water as shown on plans.
 - 17. Remove existing bollards as shown on plans.
 - 18. Intentionally left blank.
 - 19. Connect to existing 10" water line as shown on plans.

The preliminary estimates of the quantities of work to be done and materials to be furnished for unit price items as shown above and in Document 00400 (Bid Form) are approximate only, being given as a basis for the comparison of bids. Port does not expressly or by implication agree that the actual amount of work will correspond therewith. See Section 01200 (Measurement and Payment), paragraphs 1.4, 1.5.D, etc.

E. Allowances: (N/A)

F. Alternates: (N/A)

1.4 **WORK UNDER OTHER CONTRACTS**

- A. None expected

1.5 **FUTURE WORK**

- A. None expected

1.6 WORK SEQUENCE

- A. Construct Work in stages and at times to accommodate Port operation requirements during the construction period; coordinate construction schedule and operations with Port.

1.7 WORK DAYS AND HOURS

- A. Work Days and hours: Monday-Friday inclusive, 6:00 a.m.-9:00 p.m. local time.
- B. Work at the Site on weekends or holidays is permitted.
- C. Contractor will not be permitted to schedule utility shutdowns on Fridays.

1.8 SHUTDOWN FOR DISCOVERY OF CULTURAL RESOURCES

- A. If discovery is made of items of historical archaeological or paleontological interest, immediately cease all Work in the area of discovery. Archaeological indicators may include, but are not limited to, dwelling sites, locally darkened soils, stone implements or other artifacts, fragments of glass or ceramics, animal bones, human bones, and fossils. After cessation of excavation, immediately contact Port. Do not resume Work until authorization is received from Port. When resumed, excavation or other activities shall be as directed by Port.

1.9 COOPERATION OF CONTRACTOR AND COORDINATION WITH OTHER WORK

- A. Coordinate and cooperate with Port and any Port forces, or other contractors and forces, as required by Document 00700 (General Conditions), Paragraphs 6.B and 6.C.

1.10 PARTIAL OCCUPANCY/UTILIZATION REQUIREMENTS [N/A]

1.11 CONTRACTOR USE OF SITE

- A. Confine operations at Site to areas permitted by Contract Documents, permits, ordinances, and laws.
- B. Do not unreasonably encumber Site with materials or equipment.
- C. Assume full responsibility for protection and safekeeping of products stored on premises.
- D. Move any stored products that interfere with operations of Port or other contractor.
- E. Coordinate parking, storage, staging, and Work areas with Port.
- F. Port will provide a storage area for Contractor's equipment and materials.
- G. Do not store construction materials in the Dripline of any tree.
- H. Access is available to the Site from Fyffe Avenue or as discussed at the pre-construction meeting.
- I. Access to Port property requires a photo I.D. when entering Rough & Ready Island.
- J. Prior to commencement of Work or excavation, Contractor and the Port shall jointly survey the area adjacent to the Project area making permanent note and record of such existing damage such as cracks, sags or other similar damage. This record shall serve as a basis for determination of subsequent damage to structures, conditions or other existing improvements due to Contractor's

operations. All parties making the survey shall sign the official record of existing damage. Cracks, sags or damage of any nature to the adjacent Project area, not noted in the original survey but subsequently noted, shall be reported immediately to the Port.

- K. Contractor shall follow all City ordinances in force during the duration of this Contract.
- L. It is essential that the Contractor perform the Work with as little interference and disturbance as possible to the surrounding neighborhood.
- M. When suspect materials, outside the scope of Work, are encountered during the Work or restoration process, the Contractor shall immediately contact the Project Manager for evaluation and approval of the methods for dealing with the material.

1.12 **AIR QUALITY STANDARDS**

- A. Ensure that idling time for all heavy equipment is minimized to reduce on-Site emissions.
- B. Maintain equipment in good mechanical condition.
- C. Cover trucks hauling dirt.
- D. Limit dust emissions during periods of high winds (greater than 15 miles per hour).
- E. Replace ground cover in disturbed areas as soon as possible.
- F. Enclose, cover, water, or apply soil binders to exposed stockpiles.
- G. Remove earth tracked onto neighboring paved roads at least once daily.
- H. Limit equipment speed to 10 miles per hour in unpaved areas.
- I. Control dust and water at Site, during all phases of construction and on non-working days, until Final Completion, per Section 10 and 7 of the Standard Specifications and this Section 01100.
- J. Without limiting the foregoing, at least fifty percent (50%) of off-road diesel-powered construction equipment greater than 50 horsepower used by Contractor at the West Complex must be equipped with Tier 1 or cleaner engines, as defined in the U.S. EPA Nonroad Diesel Engine Rule (2204). Equipment not designed Tier 1 by the manufacturer may achieve the emissions requirement described herein by retrofitting the equipment with the highest level of CARB-Verified Diesel Emission Control System (VDECS) that is available.

1.13 **SWPPP, NPDES Permit**

- A. Requirements for Storm Water Pollution Prevention Plan (SWPPP) and Compliance with State General Construction Activity Storm Water NPDES Permit are contained in Section 01340 (Safety Submittals).

Port's normal approval time for the Fact Sheet is fourteen (14) days.

(For further information or assistance, contact Environmental Manager, Jeff Wingfield at the Port of Stockton.)

When the area of land to be disturbed is one (1) or more acres the contractor must complete and submit a "Notice of Intent" to the State Water Resources Control Board (SWRCB) and complete any and all other requirements of the SWRCB. When the contractor receives approval from the

SWRCB, he shall immediately notify the Port and submit in writing a copy of the Notice of Intent and Storm Water Pollution Prevention Plan.

(For further guidance, please refer to website: www.swrcb.ca.gov)

1.14 CONSTRUCTION STAKING AND MONUMENT PROTECTION

- A. Notify Port 3 Business Days prior to the need for initial staking. Port will provide engineering surveys to establish construction stakes that in Port's judgment are necessary to enable Contractor to proceed with the Work.
- B. If Contractor finds any additional staking necessary, notify Port in writing 2 Business Days in advance. Port shall have no liability for any inadequacy unless Contractor notifies Port and Port fails to cure within 3 Business Days of such notice.
- C. Contractor shall be responsible for laying out the Work, shall protect and preserve the established construction stakes and property monuments, and shall make no changes or relocations without the prior written approval of Port. Whenever Contractor knows or reasonably should know that any Work activity is likely to damage or destroy any construction stakes or property monuments, or require relocation because of necessary changes in grades or locations, provide at least 2 Business Days advance notice to Port. In any event, notify Port whenever any construction stakes or property monuments are lost or destroyed or require relocation because of necessary changes in grades or locations. Port shall replace or repair construction stakes or property monuments at Contractor's expense.
- D. Perform brush clearing and traffic control, as necessary, in Port's sole judgment.
- E. Illegible survey requests or requests for surveys without proper (at least 3 Business Days) notification may result in delayed surveys. No extension of Contract Time will be allowed due to such delays.
- F. If Port's survey crews are not available to perform the survey staking following proper notification, Contractor shall provide its own survey staking. Provide Port with Contractor's survey staking information in writing within 3 Business Days after it becomes available to Contractor.

1.15 PROTECTION OF EXISTING STRUCTURES AND UNDERGROUND FACILITIES

- A. The Drawings may indicate existing above- and below-grade structures, drainage lines, storm drains, sewers, water lines, gas lines, electrical lines, hot water lines, and other similar items and Underground Facilities that are known to Port.
- B. Where overhead service to a structure, known to receive service, does not exist, then underground service shall be assumed to exist.
- C. Attention is also directed to the existence of overhead power and telephone lines.
- D. Perform pot-holing by hand within 24 inches (in any direction) of the Underground Facilities. This may be done on an area-by-area basis, but shall be accomplished at least 7 Days in advance of the date of construction within such area.
- E. In addition to reporting, if a utility is damaged, Contractor must take appropriate action as provided in Document 00700 (General Conditions).

- F. Additional compensation or extension of time on account of utilities not indicated or otherwise brought to Contractor's attention including reasonable action taken to protect or repair damage shall be determined as provided in Document 00700 (General Conditions).

1.16 PERMITS

- A. Permits that may be required, such as electrical, mechanical, fire prevention, irrigation, grading, slope protection, tree cutting, etc., shall be obtained by Contractor.

PART 2 PRODUCTS

2.1 PORT-FURNISHED PRODUCTS

- A. Port-Furnished Products:
 - 1. Fill material will be made available at Roberts Island (a Port owned dredge placement reuse site approximately 7 miles one way).
 - 2. Contractor shall notify Port at least three (3) weeks prior to obtaining fill material at Roberts Island. Once Port receives the request for fill material Port will submit, on behalf of Contractor, a Notice of Intent for re-use of dredged material (NOI) to the Regional Water Quality Control Board, Central Valley Region. The Regional Water Quality Control Board, Central Valley Region, after review and approval of the NOI, will issue to Contractor a Notice of Applicability (NOA) for re-use of the dredged material. The cost of the NOI submittal shall be borne by Contractor and will not exceed five thousand dollars (\$5,000.00).
 - 3. Contractor shall make prior arrangements with Port for obtaining fill material from Roberts Island (i.e., time, location on Roberts Island for obtaining fill material, etc.).
 - 4. Contractor shall document the number of trucks and amount of material, in cubic yards, placed in each truck for use at the job site and provide Port with a total volume of material removed from Roberts Island and used at the job site. .
 - 5. Contractor shall restore the Roberts Island site to its original condition or to a condition suitable to Port for a dredge placement and reuse site.
- B. Port's Responsibilities: (N/A)
- C. Contractor's Responsibilities: (N/A)

PART 3 EXECUTION – NOT USED

END OF DOCUMENT

ELECTRICAL SPECIFICATIONS

GENERAL NOTES:

- ELECTRICAL INSTALLATION SHALL COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, INCLUDING THE FOLLOWING:
TITLE 24, CCR, PART 2, 2010 CBC
TITLE 24, CCR, PART 3, 2010 CEC
TITLE 24, CCR, PART 4, 2010 CMC
TITLE 24, CCR, PART 9, 2010 CFC
STOCKTON MUNICIPAL CODES.
- ELECTRICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL LICENSES, ETC. REQUIRED TO CARRY ON AND COMPLETE THE WORK. PERMIT BY OWNER.
- PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND PERFORM ALL OPERATIONS NECESSARY FOR ANY REASONABLE INCIDENTAL TO PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK WHETHER SPECIFICALLY MENTIONED OR NOT; ALL AS INDICATED, SPECIFIED HEREIN, AND/OR IMPLIED THEREBY TO CARRY OUT THE APPARENT INTENT THEREOF.
- ALL ELECTRICAL MATERIALS SHALL BE NEW AND LISTED WITH THE UNDERWRITERS' LABORATORIES, INC., SHALL MEET THEIR REQUIREMENTS AND SHALL BEAR THEIR LABEL WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY.
- ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT AND INSTALLING HIS WORK TO AVOID INTERFERENCE WITH OTHER TRADES.
- CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE THWN UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- ALL LUMINAIRES AND BALLASTS SHALL BE CERTIFIED BY THE MANUFACTURER TO THE CALIFORNIA ENERGY COMMISSION. ALL FLUORESCENT FIXTURES TO BE LAMPED WITH F032, T8, 3500K LAMPS OR APPROVED EQUAL, AND HAVE AN ENERGY SAVING "A" SOUND RATING ELECTRONIC BALLAST OR APPROVED EQUAL, UNLESS OTHERWISE SHOWN. ALL H.I.D. LIGHT FIXTURES SHALL HAVE HIGH POWER FACTOR BALLASTS.
- FLASH AND COUNTER FLASH ALL ITEMS PASSING THROUGH THE ROOF. ANY ROOF PENETRATIONS WILL BE APPROVED BY THE OWNER. ROOFING MFG. HAS SPECS. AS TO NOT VOID 20 YEAR WARRANTY.
- WORK SHOWN ON THE DRAWINGS TO BE INSTALLED UNDERGROUND SHALL BE INSTALLED AT LEAST 24" BELOW GRADE. BACKFILL IN 6" THICK, PROPERLY MOISTENED LAYERS, SOLIDLY PACKED AND IRON TAMPED TO A DENSITY NOT LESS THAN THAT OF ADJACENT, UNDISTURBED EARTH. RESTORE SURFACES, ROADWAYS, WALKS, CURBS, WALLS, EXISTING UNDERGROUND INSTALLATIONS TO ORIGINAL CONDITION IN AN ACCEPTABLE MANNER.
- THE OWNER RESERVES THE RIGHT TO RELOCATE ALL LIGHTING, OUTLETS AND SWITCHES BEFORE THEY ARE ROUGHED IN AT NO EXTRA COST.
- ALL EXIT SIGNS TO BE UNSWITCHED.

NAMEPLATES & IDENTIFICATION:

INSTALL ENGRAVED NAMEPLATES FOR EACH PANELBOARD, CABINET, DISCONNECT, ETC. NAMEPLATES SHALL BE SECURELY FASTENED TO THE EQUIPMENT WITH #4 PHILLIPS ROUND HEAD CADMIUM PLATED SELF-TAPPING SCREWS, BRASS BOLT, OR WITH A PLASTIC RESIN ADHESIVE GLUE, GOODYEAR "PLIEBOND" OR EQUAL.

HVAC UNIT DISCONNECTS:

- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATIONS OF ALL HVAC UNITS, DISCONNECTS AND DEVICES IN FIELD. VERIFY AND CONFIRM THE ACTUAL MOUNTING LOCATION ON THE HVAC UNIT FOR THE DISCONNECT.
- THE RATING OF THE DISCONNECT SHALL BE SUCH AS TO ENABLE THE LARGEST FUSE SIZE ON THE UNIT NAMEPLATE TO BE INSTALLED IN THE DISCONNECT. PROVIDE FUSES OF THIS RATING.
- FURNISH AND INSTALL ALL LINE VOLTAGE AND LOW VOLTAGE CONDUITS AND LINE VOLTAGE WIRING (LOW VOLTAGE WIRING BY OTHERS) TO HVAC EQUIPMENT AND ASSOCIATED CONTROLS AND DEVICES AS SHOWN ON THE ELECTRICAL AND MECHANICAL PLANS, UNLESS OTHERWISE NOTED.

WIRING METHODS:

- ALL WIRING SHALL BE INSTALLED IN STEEL CONDUITS, CONCEALED IN WALL AND CEILING U.O.N.
- MINIMUM CONDUIT SIZE SHALL BE 1/2". MINIMUM ACCEPTABLE CONDUITS ARE:
 - GALVANIZED RIGID STEEL.
 - GALVANIZED STEEL EMT.
 - LIQUID TIGHT STEEL FLEX - FOR FINAL CONNECTION TO OUTDOOR EQUIPMENT.
 - FLEXIBLE STEEL CONDUIT - FOR INDOOR FINAL CONNECTIONS TO MECHANICAL EQUIPMENT (NOT TO EXCEED 36").
 - PVC CONDUIT SCHEDULE 40, UNDERGROUND.

WIRING DEVICES:

UNITS SHALL BE EQUAL TO THE DEVICES SET FORTH HEREIN, IN STANDARD COLORS (BROWN, WHITE, GREY, BEIGE OR IVORY) AS SELECTED BY THE ARCHITECT:

A. WIRING DEVICES	LEVITON #	HUBBELL #	P & S #
SINGLE POLE SWITCH	1221	1221	20AC1
THREE WAY SWITCH	1223	1223	20AC3
DUPLEX CONV. OUT. 15A	5262	5262	5262
DUPLEX GFI CONV. OUT.		GF5262	

DEVICE PLATES:

- ALL DEVICE PLATES FOR INDOOR USE SHALL BE SMOOTH NYLON OR APPROVED EQUAL UNLESS OTHERWISE NOTED. ALL DEVICE PLATES FOR OUTDOOR USE SHALL BE RAISED METAL.
- DEVICE COVERS FOR SURFACE MOUNTED BOXES SHALL BE 1/2" RAISED STEEL PLATES. WEATHERPROOF COVERS TO BE SNAP TYPE COVERS.
- DEVICE PLATES FOR TELEPHONE AND COMPUTER OUTLETS TO BE PROVIDED BY OWNER'S VENDOR. ALL TELEPHONE AND COMPUTER SYSTEM WIRING BY OWNER'S VENDOR.

SUPPORTS:

- FURNISH ALL NECESSARY FOUNDATIONS, SUPPORTS, BACKING, ETC., FOR ALL ELECTRICAL ENCLOSURES, CONDUITS AND EQUIPMENT.
- ATTACH ALL BOXES, CABINETS, ETC. TO WOOD WITH WOOD OR LAG SCREWS, TO METAL WITH MACHINE SCREWS OR BOLTS AND TO CONCRETE WITH EXPANSION ANCHORS AND MACHINE SCREWS OR BOLTS.

GROUNDING:

- GROUND AND BOND ALL EQUIPMENT AS REQUIRED BY GOVERNING CODES AND SPECIFICALLY INCLUDING SWITCHBOARD, PANELBOARDS, MOTOR CASES, ETC.

WORKING CLEARANCES FOR PANELS & SWITCHBOARDS

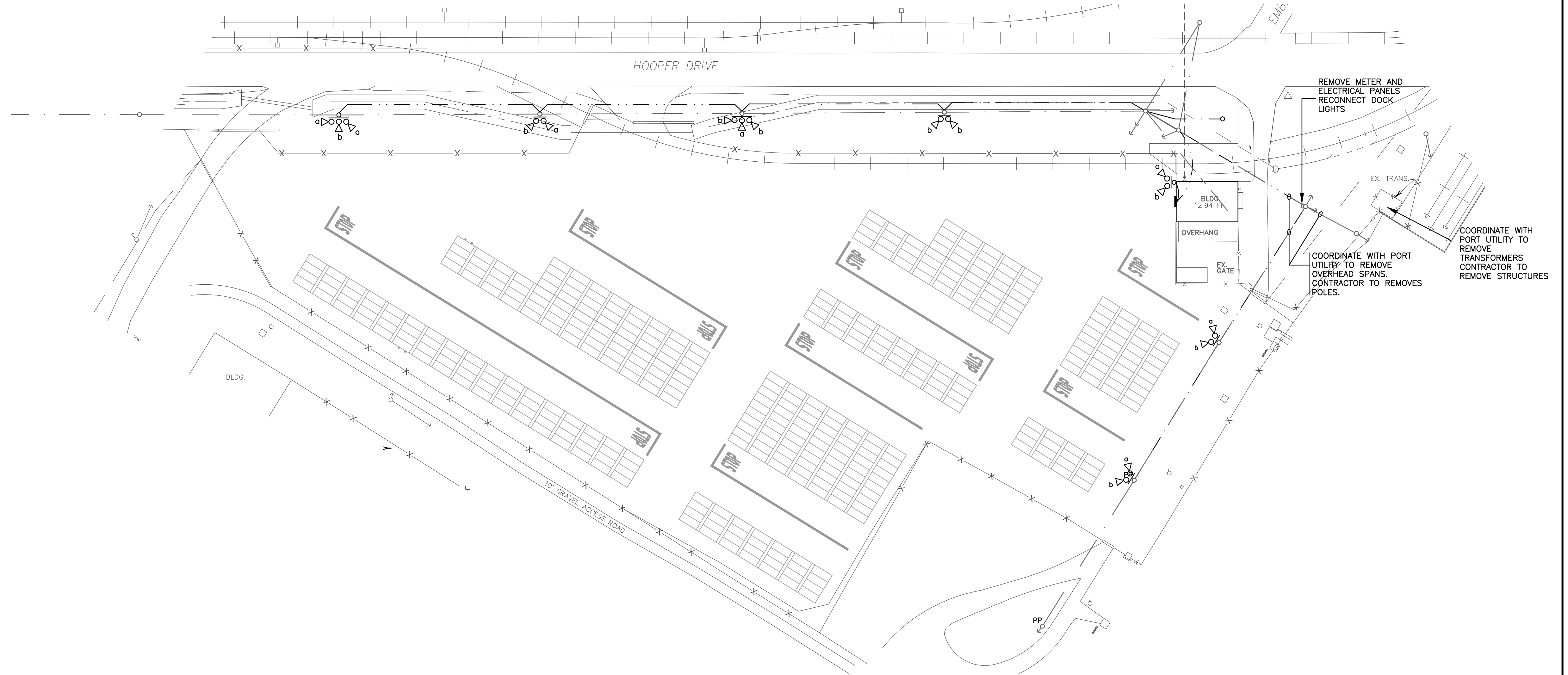
- COORDINATE WITH OTHER TRADES TO ENSURE CODE REQUIRED WORKING CLEARANCES, ACCESS, ETC. FOR PANELS AND SWITCHBOARDS PER C.E.C. SECTIONS 110-16 AND 384-4.

PANELBOARDS:

UNITS SHALL BE FLUSH OR SURFACE MOUNTED AS INDICATED ON THE PANEL SCHEDULE, WITH THE NUMBER AND SIZE OF BREAKERS INDICATED ON THE PANEL SCHEDULE. SINGLE POLE, TWO POLE AND THREE POLE BREAKERS SHALL BE BOLT-ON TYPE. THE PANEL DOORS SHALL HAVE FLUSH TYPE LOCKS. ALL LOCKS SHALL BE KEYS ALIKE AND HAVE TYPED WRITTEN DIRECTORIES INDICATING FIXTURES, EQUIPMENT, OR OUTLETS SERVICED BY EACH BREAKER. ALL BUSSING SHALL BE COPPER.

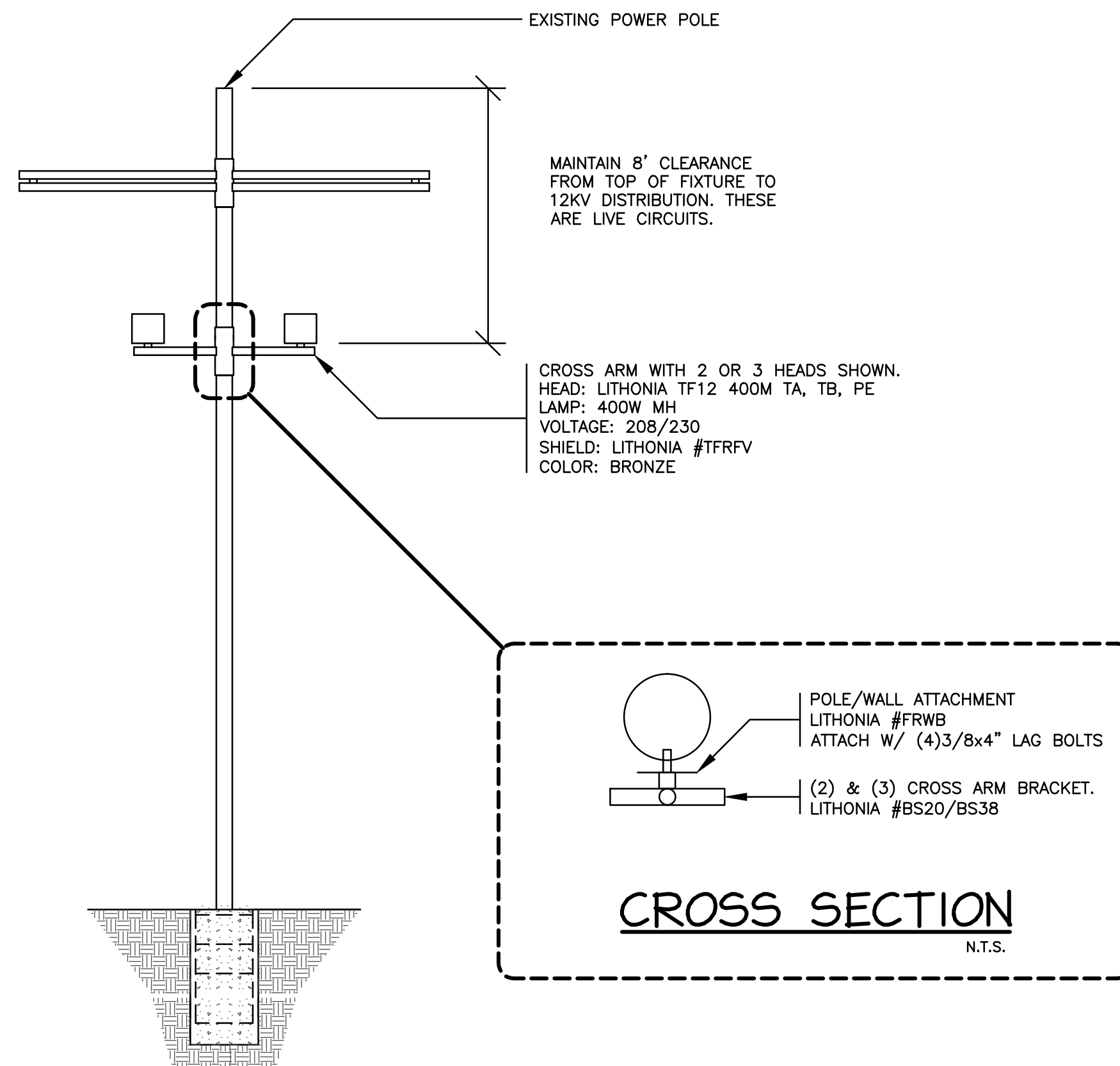
TESTING:

- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE FREE FROM SHORT CIRCUITS AND IMPROPER GROUNDS. TEST ALL WIRING AND CONNECTIONS FOR CONTINUITY AND GROUNDS BEFORE ANY FIXTURES OR EQUIPMENT ARE CONNECTED AND WHETHER SUCH TESTS INDICATE FAULTY INSULATION OR OTHER DEFECTS, THEY SHALL BE LOCATED, REPAIRED AND RETESTED AT THE CONTRACTOR'S EXPENSE.
- DEMONSTRATE TO THE OWNER AND THE ARCHITECT, THAT THE ENTIRE INSTALLATION IS COMPLETE, IN PROPER OPERATING CONDITION AND THAT THE CONTRACT HAS BEEN PROPERLY AND FULLY EXECUTED. PROVIDE ALL INSTRUMENTS TO MAKE SUCH TESTS.



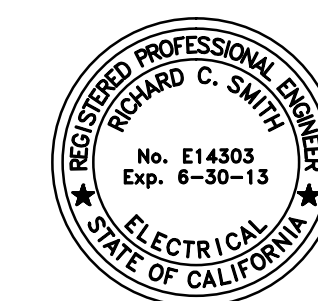
EXISTING LAY DOWN AREA LIGHTING

SCALE: 1"=60'-0"



EXISTING POLE WITH FLOOD LIGHTS : REFERENCE ONLY

SCALE: N.T.S.



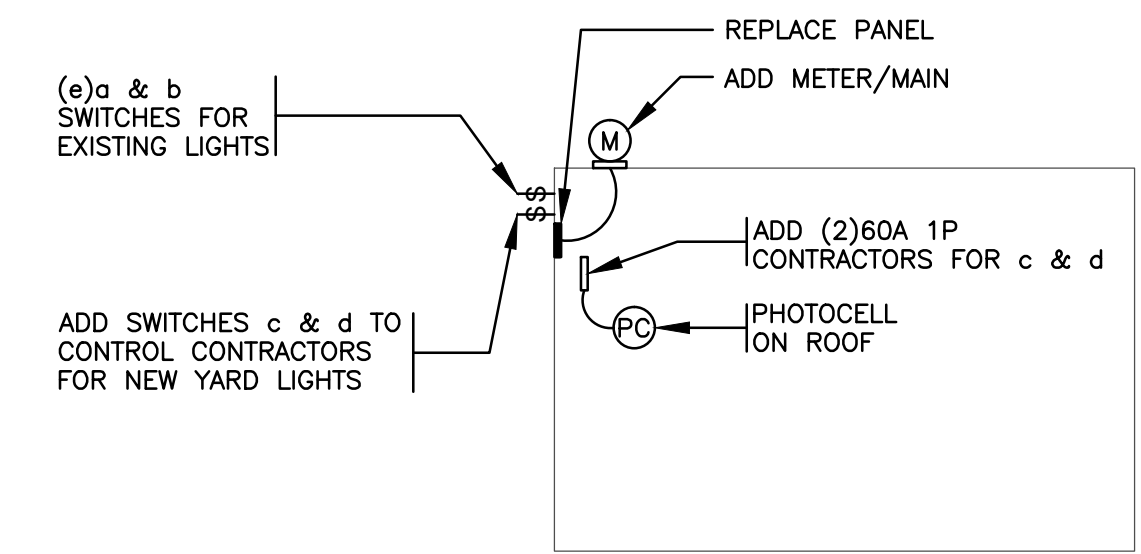
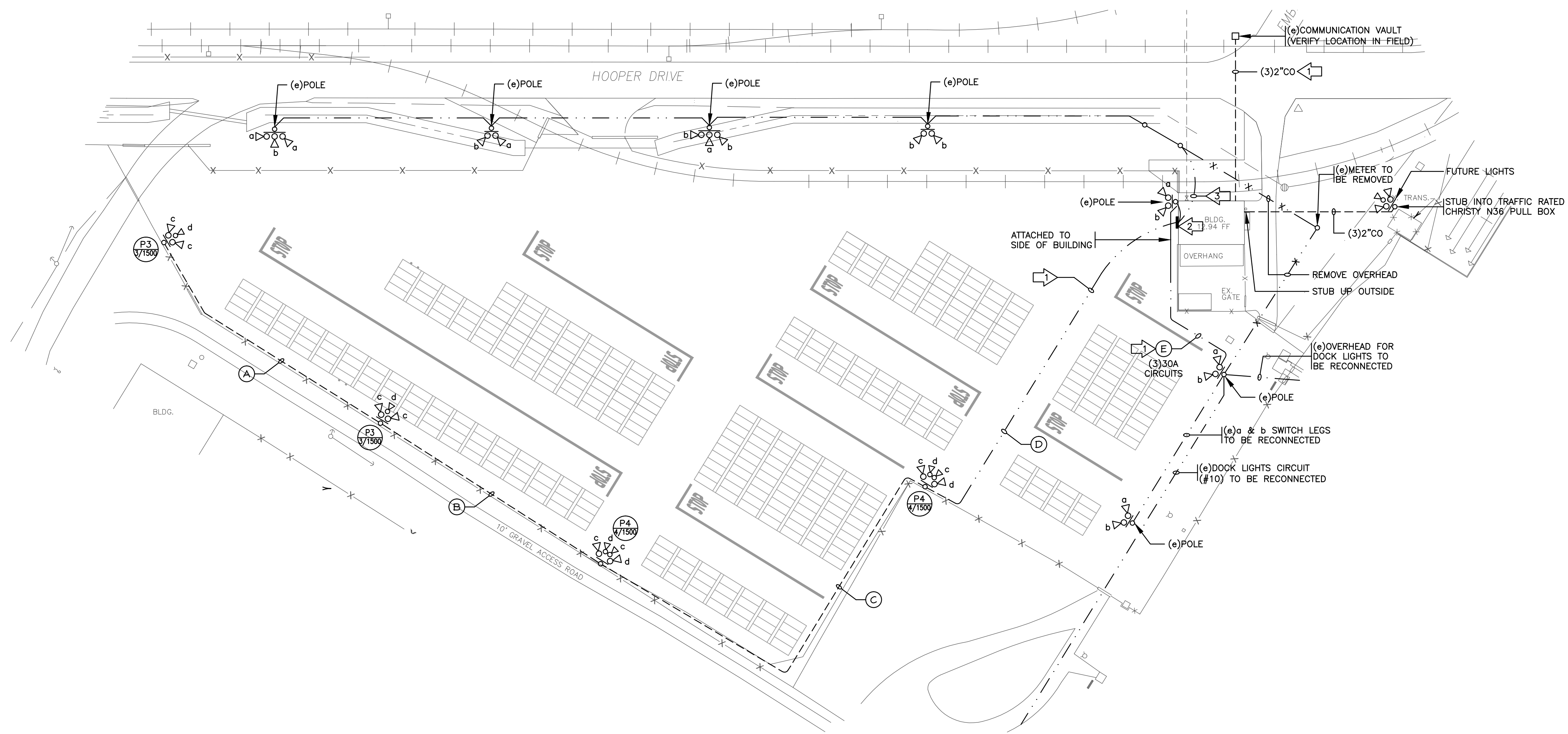
HCS ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4512 FEATHER RIVER DRIVE SUITE "F"
STOCKTON, CA 95219 (209)478-8270
E-MAIL ADDRESS - richard@hcs-eng.com
PROJ. 2011.XXX DES. RCS ENG. RCS

PORT OF STOCKTON - WEST COMPLEX
CARGO INSPECTION FACILITY

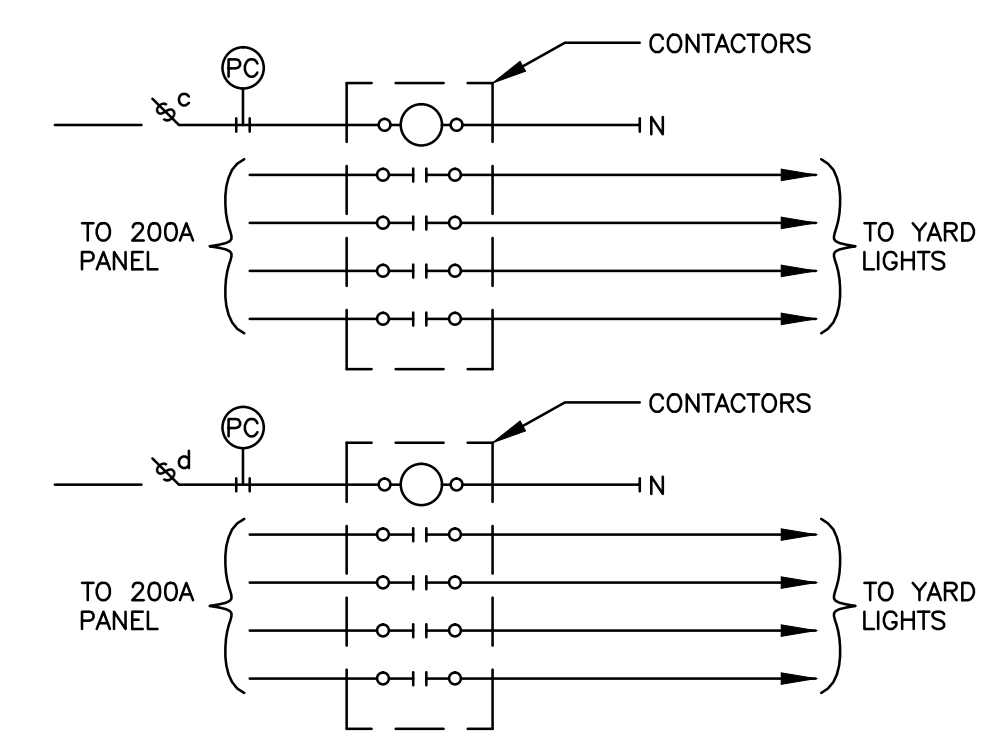
EXISTING LAY DOWN AREA LIGHTING

STOCKTON, CALIFORNIA
JUNE, 2010

REV. NO.	DESCRIPTION	DATE	SCALE: 1"=60'	BENCH MARK: RRB# #12 EL: 2.60	SHEET
			DRAWN BY: LM	DESCRIPTION: CHIS. "X" ON TOP OF CURB AT THE NORTHEAST CORNER OF JAMES AND FYFFE. NVD 29.	E1
			DESIGNED BY: LM		OF 1 SHEETS
			CHECKED BY: JM		JOB NO.
			AS BUILT BY:		0858 POS



BUILDING 12.94 SCHEMATIC
SCALE: N.T.S.



EXTERIOR LIGHTING CONTROLLER
SCALE: N.T.S.

NEW SITE LIGHTING
SCALE: 1"=60'-0"

- NUMBERED NOTES THIS SHEET:**
- 1 BORE TO INSTALL CONDUITS 36" BELOW GRADE AND 6" BELOW RAIL.
 - 2 EXISTING 100A - 120.240V PANEL. EXISTING LOAD IS 6720, NEW LOAD IS 23100 = 29820W = 124A. REPLACE PANEL WITH NEW 200A PANEL. REPLACE ALL EXISTING CIRCUIT BREAKERS. PROVIDE (4) 40A 2P CB'S.
 - 3 PROVIDE 200A 2P METER MAIN. 2"C-3#3/0 RISER. COORDINATE WITH PORT UTILITY FOR NEW SERVICE DROP.

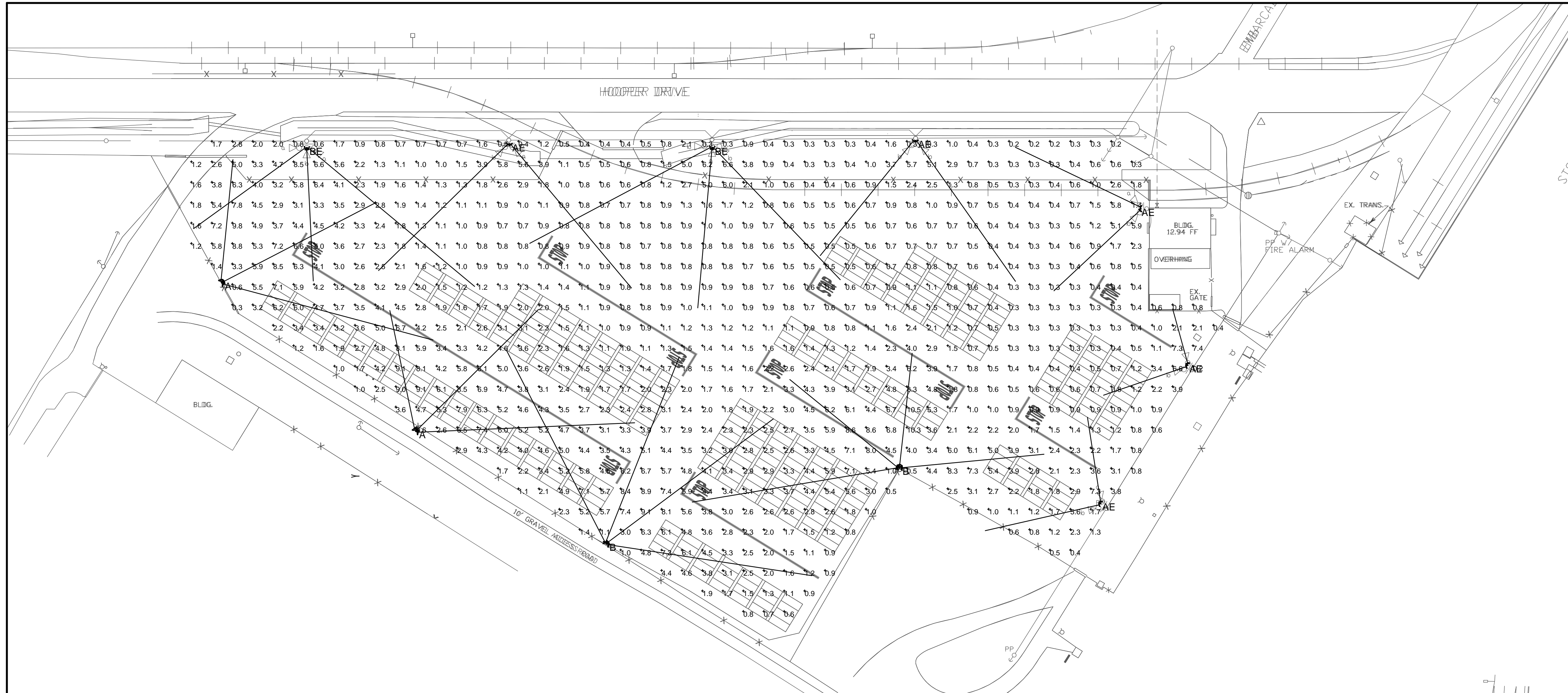
FEEDER SCHEDULE	
TAG	FEEDER
A	2"CO 2"C-6#4+1#6 GND
B	2"CO 2"C-6#4+2#6 GND
C	2"CO (2)2"C-6#4+2#6 GND
D	2"CO (2)2"C-6#4+3#6 GND
E	2"C-6#8+1#10 GND



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PROJ. 2011.XXX DES. RCS ENG. RCS

PORT OF STOCKTON - WEST COMPLEX
CARGO INSPECTION FACILITY
NEW SITE LIGHTING
STOCKTON, CALIFORNIA
JUNE, 2010

REV. NO.	DESCRIPTION	DATE	SCALE: 1"=60'	BENCH MARK: RRBM #12 EL: 2.60	SHEET
			DRAWN BY: LM	DESCRIPTION: CHIS. "X" ON TOP OF CURB AT THE NORTHEAST CORNER OF JAMES AND FYFFE. NGVD 29.	E2
			DESIGNED BY: LM		OF 1 SHEETS
			CHECKED BY: JM		JOB NO. 0858 POS
			AS BUILT BY:		

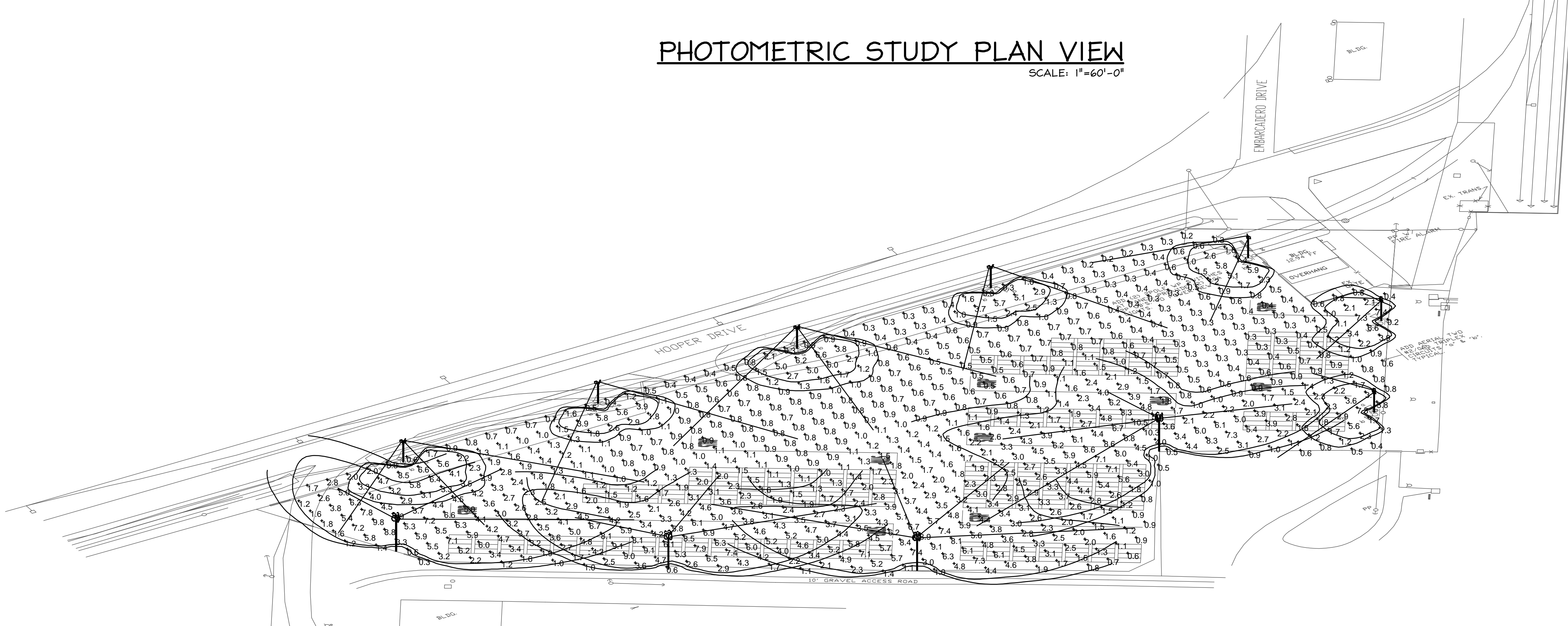


PHOTOMETRIC STUDY PLAN VIEW
SCALE: 1"=60'-0"

LUMINAIRE SCHEDULE								
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	AE	5	TFL 400M RA2 FV	SPECIFICATION FLOODLIGHT, RA2 DISTRIBUTION, 400W MH, CLEAR LAMP, W/ FULL VISOR.	ONE 400 WATT CLEAR ED28 PULSE START METAL HALIDE IN HORIZONTAL POSITION	38000	0.72	912
	BE	2	TFL 400M RA2 FV	SPECIFICATION FLOODLIGHT, RA2 DISTRIBUTION, 400W MH, CLEAR LAMP, W/ FULL VISOR.	ONE 400 WATT CLEAR ED28 PULSE START METAL HALIDE IN HORIZONTAL POSITION	38000	0.72	1368
	A	2	TV 1500M GP/HD4	SPUN PARABOLIC FLOODLIGHT - NEMA 4 DISTRIBUTION	ONE 1500-WATT METAL HALIDE	165000	0.72	4875
	B	2	TV 1500M GP/HD4	SPUN PARABOLIC FLOODLIGHT - NEMA 4 DISTRIBUTION	ONE 1500-WATT METAL HALIDE	165000	0.72	6500

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	2.3 fc	10.5 fc	0.1 fc	105.0:1	23.0:1

LUMINAIRE LOCATIONS						
No.	Label	X	Y	Z	MH	Orientation
1	BE	205.1	206.7	20.0	20.0	94.0
2	BE	601.5	207.0	20.0	20.0	94.0
3	AE	403.1	210.3	20.0	20.0	95.7
4	AE	800.2	213.6	20.0	20.0	95.7
5	AE	1020.7	147.1	20.0	20.0	194.0
6	AE	1066.4	-5.9	20.0	20.0	203.8
7	AE	981.1	-141.2	20.0	20.0	203.8
8	B	498.4	-180.7	30.0	30.0	-54.8
9	B	784.9	-106.3	30.0	30.0	-87.3
10	A	121.8	74.9	30.0	30.0	-29.4
11	A	311.8	-70.5	30.0	30.0	-46.8



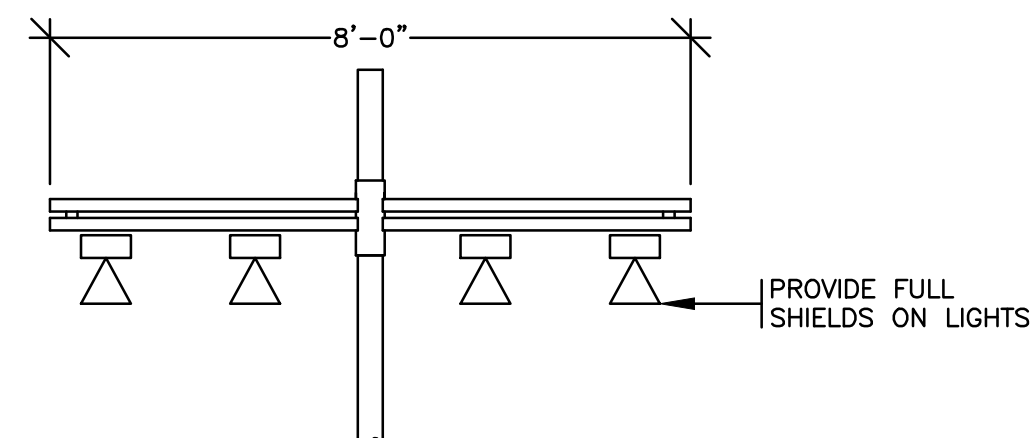
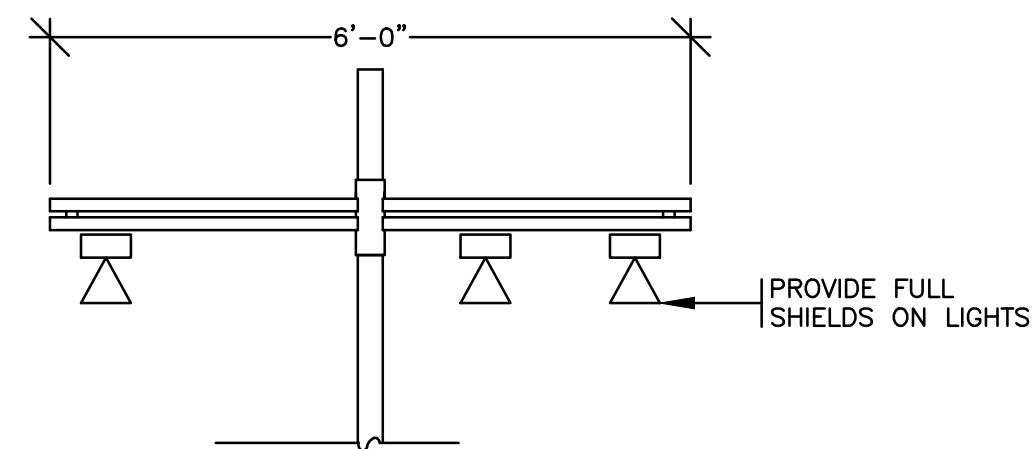
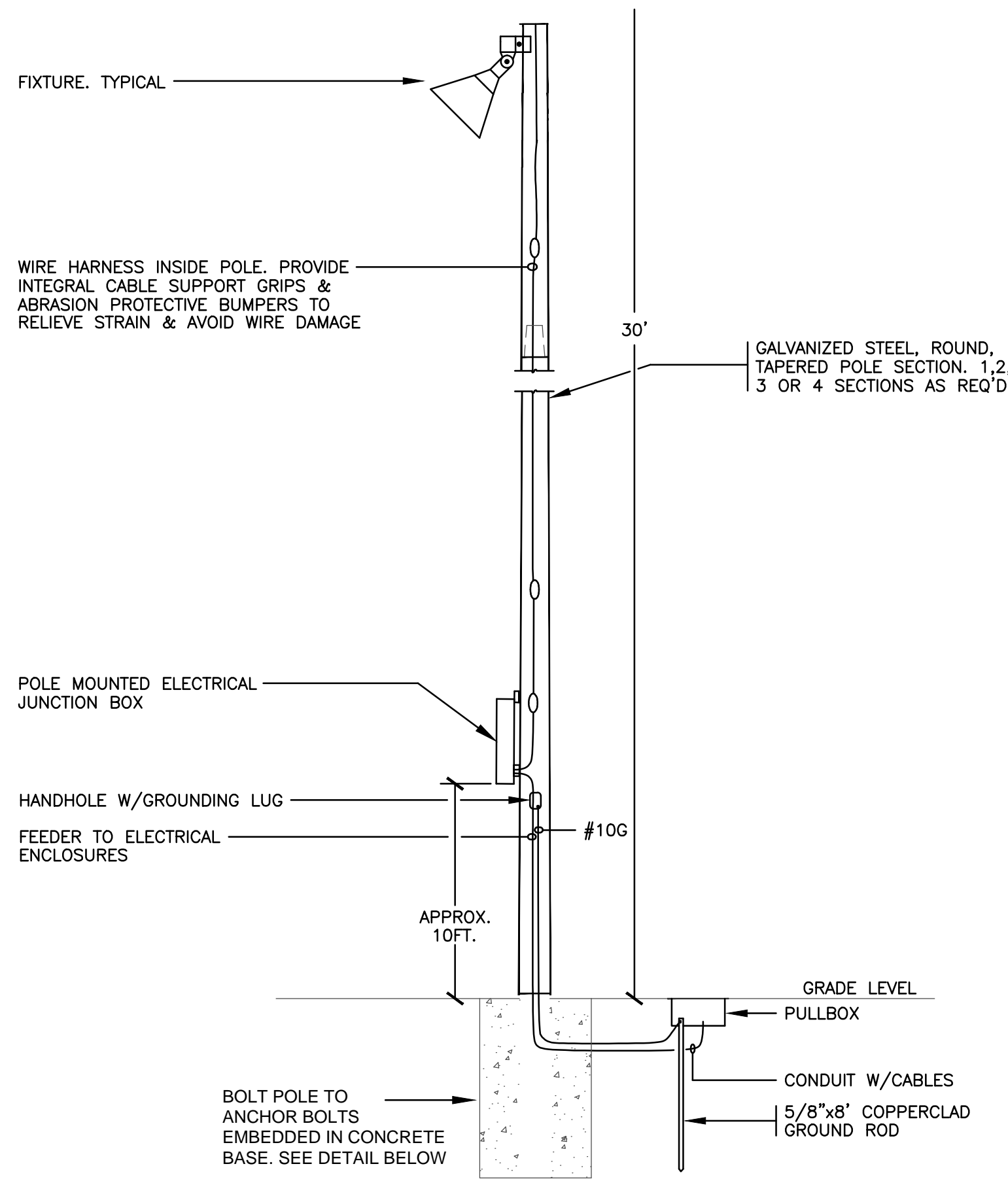
PHOTOMETRIC STUDY SOUTHWEST VIEW
SCALE: 1"=60'-0"



HCS ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4512 FEATHER RIVER DRIVE SUITE "F"
STOCKTON, CA 95219 (209)478-8270
E-MAIL ADDRESS - richard@hcs-eng.com
PROJ. NO. 2011.XXX DES. RCS ENG. RCS

PORT OF STOCKTON - WEST COMPLEX
CARGO INSPECTION FACILITY
PHOTOMETRIC STUDY
STOCKTON, CALIFORNIA
JUNE, 2010

REV. NO.	DESCRIPTION	DATE	SCALE: 1"=60'	BENCH MARK: RRB#1 EL: 2.60	SHEET
			DRAWN BY: LM	DESCRIPTION: CHS. "X" ON TOP OF CURB AT THE NORTHEAST CORNER OF JAMES AND FYFFE. NGVD 29.	E3
			DESIGNED BY: LM		OF 1 SHEETS
			CHECKED BY: JM		JOB NO.
			AS BUILT BY:		0858 POS



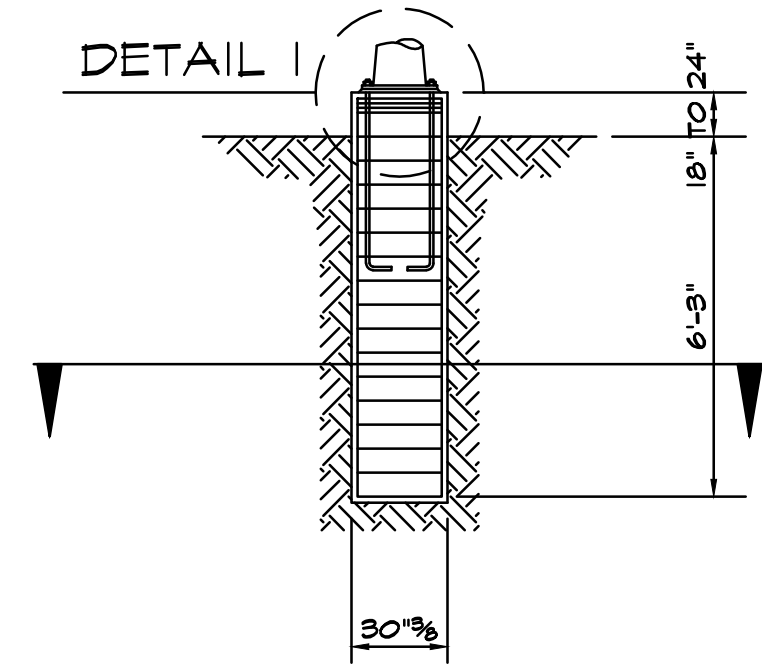
POLE "P3/P4": SIDE VIEW
SCALE: N.T.S.

LEGEND

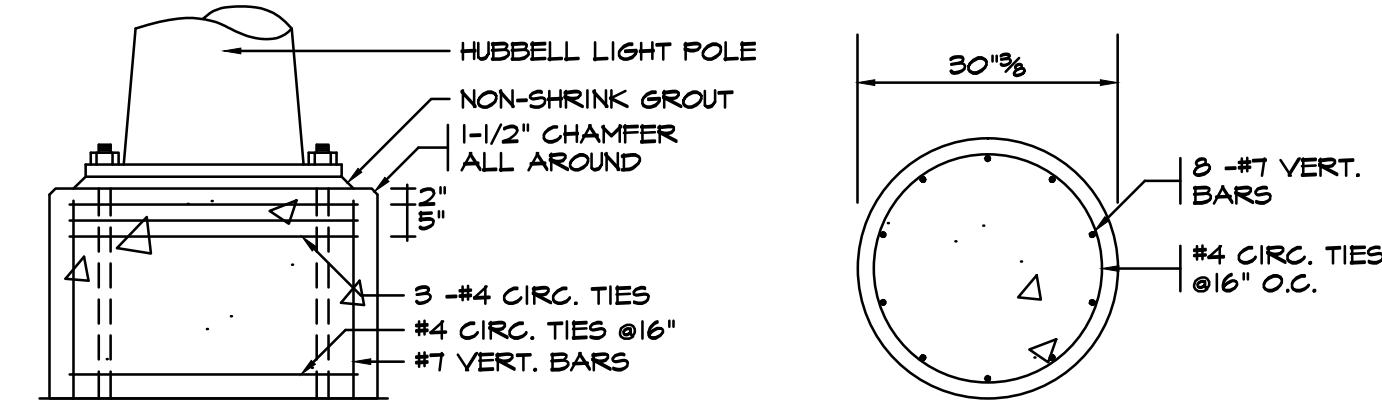
	120 VOLT DUPLEX WALL OUTLET UP 18" U.O.N.	FLUSH
	120 VOLT FOURPLEX OUTLET	
	120V DUPLEX OUTLET MOUNTED AT +42" A.F.F. OR +4" ABOVE COUNTERTOP AS APPLICABLE	
	SPECIAL PURPOSE OUTLET, TYPE & RATING TO SUIT LOAD SERVED	
	120V DUPLEX OUTLET, HALF-SWITCHED, +18" A.F.F. U.O.N., FLUSH	
	120V DUPLEX OUTLET ON EMERGENCY POWER CIRCUIT, +18" A.F.F. U.O.N., FLUSH	
	GFI INDICATES GROUND FAULT INTERRUPTER OUTLET	
	JUNCTION BOX	
	TIME CLOCK	
	MOTOR OUTLET	
	CONDUIT CONCEALED IN WALL OR CEILING	MIN. SIZE=1/2" C TICS=NO OF #12 WIRES NO TICS=2#12 U.O.N.
	CONDUIT WITH INSULATED GROUND WIRE	
	CONDUIT CONCEALED IN FLOOR OR UNDERGROUND	
	FLEXIBLE CONDUIT FOR LIGHTING ABOVE CEILING	
	DISTRIBUTION PANEL	
	LIGHTING PANEL	
	SIGNAL CABINET AS DESIGNATED	

ELECTRICAL ABBREVIATIONS

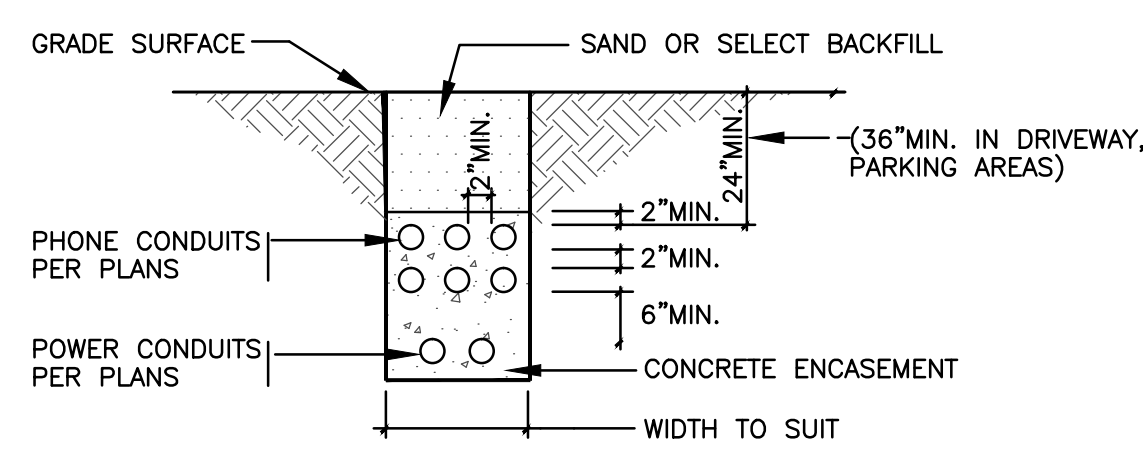
A.F.G.	ABOVE FINISHED GRADE
A.F.F.	ABOVE FINISHED FLOOR
UG	UNDERGROUND
WP	WEATHERPROOF
CO	CONDUIT ONLY
C	CONDUIT
U.O.N.	UNLESS OTHERWISE NOTED
NO.	NUMBER
MIN.	MINIMUM
MAX.	MAXIMUM
A, AMP	AMPERE
W/	WITH
GFI	GROUND FAULT INTERRUPTER
&	AND
(e),(E)	EXISTING
(R)	REMOVE
(RR)	REMOVE, RELOCATE AND RECONNECT AT LOCATION SHOWN
A.I.C.	AMPERE INTERRUPTING CAPACITY
GRD.	GROUND
V	VOLT
CKT.	CIRCUIT
KW	KILOWATT
KVA	KILOVOLT AMPERE
SP	SPACE
CU	COPPER
AL	ALUMINUM
LC	LIGHTING CONTACTOR
NL	NIGHT LIGHT
PB	PULLBOX
E.C.	ELECTRICAL CONTRACTOR
G.C.	GENERAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR



- GENERAL NOTES & SPECIFICATIONS:**
- CONSTRUCTION OF REINFORCED CONCRETE DRILLED-IN CAISSON SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE, ACI 318-95.
 - EXCAVATION AND PREPARATION FOR CAISSON, PLACING OF CONCRETE SHALL BE PER SECTION 205-3-3.2 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
 - CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI IN 28 DAYS. PROVIDE TESTING AGENCY FOR SPECIAL INSPECTION OF CONCRETE.
 - REINFORCING STEEL SHALL BE DEFORMED, INTERMEDIATE GRADE, CONFORMING TO ASTM A615, GR. 60.
 - DESIGN LOADS ARE BASED ON 80 MILE PER HOUR WIND, EXPOSURE C AND SPORTSLIGHTING DESIGN NUMBER S-R-08-A-080.

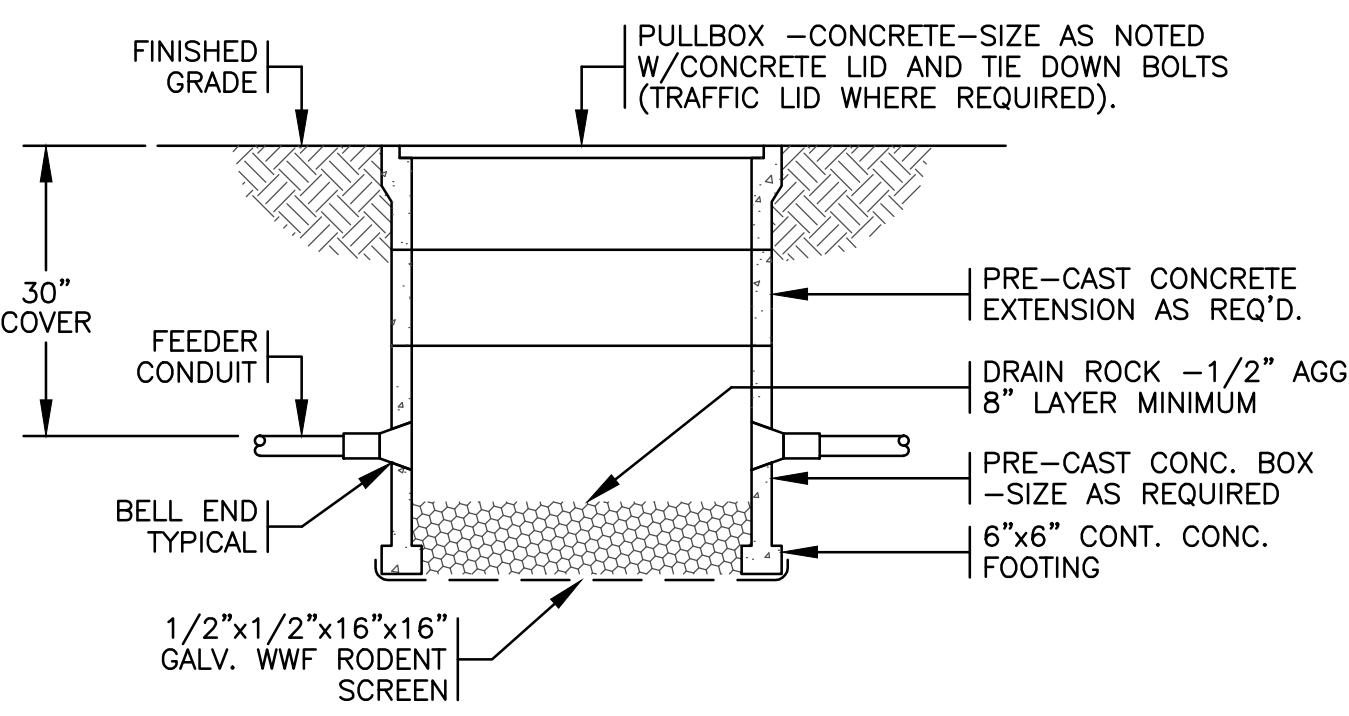


POLE ANCHORAGE : "P2/P3"
SCALE: N.T.S.

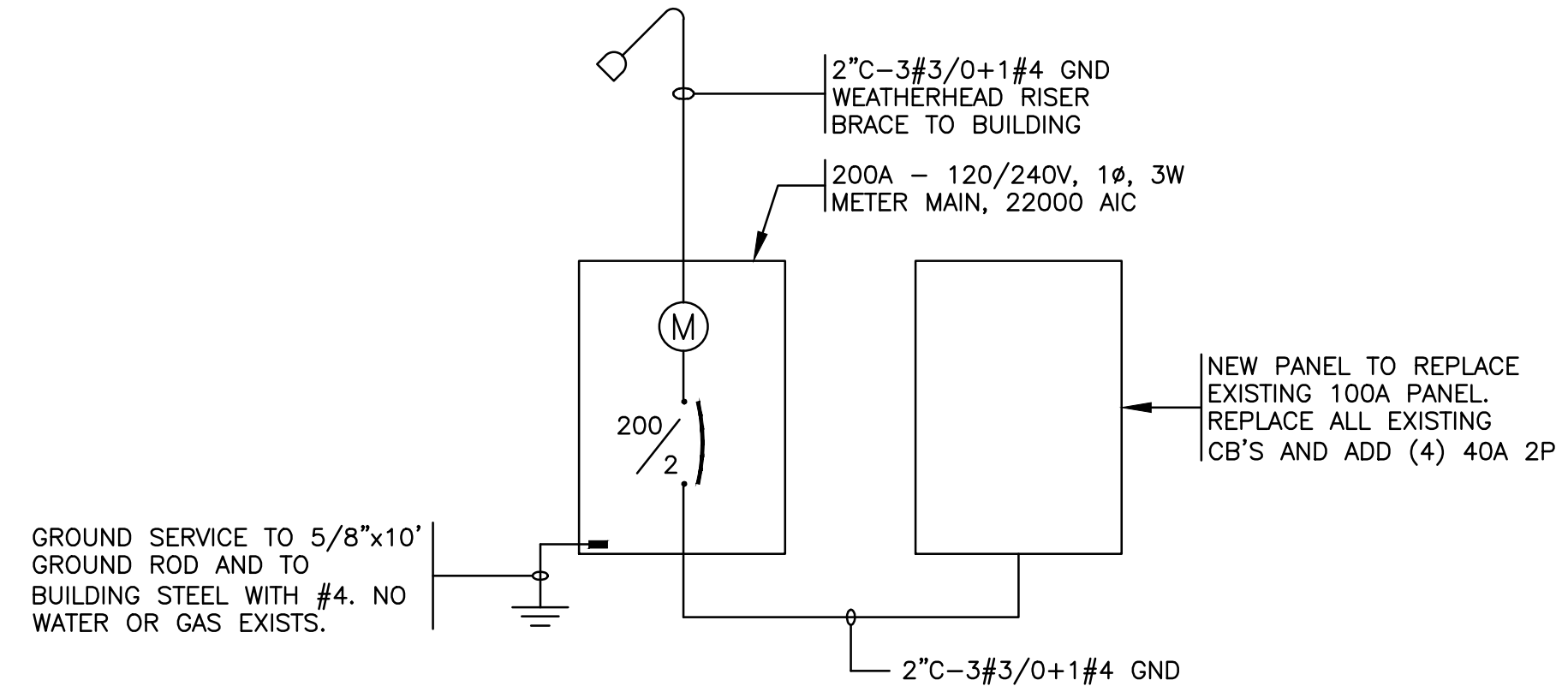


TRENCH DETAIL (TYP.)
SCALE: N.T.S.

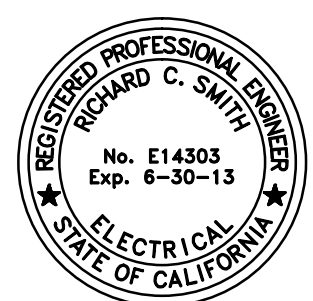
NOTE: PROVIDE MIN 12" CLEARANCE BETWEEN ELECTRICAL AND OTHER UTILITIES (GAS, WATER, ETC.).



ELECTRICAL CONCRETE PULLBOX DETAIL
SCALE: N.T.S.



ONE LINE DIAGRAM
SCALE: N.T.S.



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**PORT OF STOCKTON - WEST COMPLEX
CARGO INSPECTION FACILITY**
ELECTRICAL DETAILS, ONE LINE,
AND LEGEND

STOCKTON, CALIFORNIA
JUNE, 2010

REV. NO.	DESCRIPTION	DATE	SCALE: 1"=60'	BENCH MARK: RRB#12 EL: 2.60	SHEET
			DRAWN BY: LM	DESCRIPTION: CHIS. "X" ON TOP OF CURB AT THE NORTHEAST CORNER OF JAMES AND FYFFE. NGVD 29.	E4
			DESIGNED BY: LM		OF 1 SHEETS
			CHECKED BY: JM		JOB NO. 0858 POS
			AS BUILT BY:		