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# EXHIBIT A - Trade Subcontractor Bid Package Manual and Forms – Contract # 301000502

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Invitation for Bid Package #  
TG05.2R: Temporary Power  
dated March 3, 2011

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## TABLE OF CONTENTS

I.	BIDDER QUALIFICATION PROCESS .....	2
II.	KEY DATES FOR BIDDING PROCESS.....	3
III.	COMMUNICATION WITH WEBCOR/OBAYASHI JOINT VENTURE.....	4
IV.	SCOPE OF THE PACKAGE AND BID ITEM INFORMATION.....	5
V.	CONSTRUCTION SCHEDULE AND MILESTONES .....	11
	Attachment 1 BID FORM AND SCHEDULE OF BID PRICES .....	12
	Attachment 2 LOGISTICS & DESIGN COORDINATION .....	15

**END OF TABLE OF CONTENTS**

## I. BIDDER QUALIFICATION PROCESS

If the bidder is not previously qualified and other than the prequalified contractors/joint ventures listed below, the bidder shall submit a Request for Qualification (RFQ) package **March 25, 2011**. The following prequalified contractors/joint ventures do not need to submit a RFQ package at this time.

### Prequalified Subcontractors:

- Sierra Electric
- Reliance Engineering, Inc.
- Phoenix Electric Company
- Bass Electric
- Liberty Electric of San Mateo, Inc.

Notification of qualification will be provided to the bidder prior to bid date. Bids submitted by non-qualified Bidders will not be accepted or opened. Non-qualified Bidders assume all risk and costs associated with submitting a bid if they are deemed not qualified.

Trade Subcontractors looking to qualify during the bid period must use “Request for Qualifications TG05.2” form available on the TJPA website (<http://transbaycenter.org/tjpa/doing-business-with-the-tjpa/current-contract-opportunities/site-logistics-temporary-power>), posted 3/3/2011.

## END OF BIDDER QUALIFICATION PROCESS

## **II. KEY DATES FOR BIDDING PROCESS**

Each bidder shall submit their “Bid Form”, “Schedule of Bid Prices”, and other applicable sections and forms in Specification and Project Bidding Manual. Required submittal documents for the bid are listed at Bid Check List in Project Bidding Manual.

**Package Issuance Timeline:** Starting **March 3, 2011** Invitation for Bid (IFB) packages, except drawings, will be available for download from the TJPA website (<http://transbaycenter.org/tjpa/doing-business-with-the-tjpa/current-contract-opportunities>). Information regarding how to obtain the drawings will be posted on the TJPA website by March 3, 2011.

**Pre-Bid Meeting:** A pre-bid conference for Trade Subcontractors interested in submitting bids will be held on March 10, 2011, at 10:00 am in the **TJPA offices at 201 Mission Street, Suite 2100, San Francisco, California 94105.**

**Questions/Clarifications:** Questions or clarifications regarding the Bid must be submitted in writing to Webcor/Obayashi Joint Venture no later than **April 1, 2011**. Questions or clarifications submitted after April 1, 2011 will be rejected. Questions of Bidding Documents (QBD) form in Project Bidding Manual shall be used for questions or clarifications. Refer to Section III, “Communication with Webcor/Obayashi Joint Venture” for contact information.

**Bid Due Date:** Each Trade Subcontractor shall submit sealed bids to the TJPA offices at 201 Mission Street, Suite 2100, San Francisco, CA, 94105 **by 2:00 pm Pacific time on April 21, 2011**. No bids will be accepted after 2:00 pm on the bid due date.

**Interviews:** Webcor/Obayashi Joint Venture at its own discretion may conduct interviews with any or all of the Trade Subcontractors if clarifications for their Bid are required by TJPA and/or Webcor/Obayashi Joint Venture. Interviews will be for clarification of Trade Subcontractor's responses in the Bid or Qualification Application.

**TJPA Board Vote to Approve the Contract Award:** 05/12/2011

**Notification of Intention to Award Contract:** On or about 04/28/2011

**END OF KEY DATES FOR BIDDING PROCESS**

### **III. COMMUNICATION WITH WEBCOR/OBAYASHI JOINT VENTURE**

At no time during the bid process (defined as the time between issuance of this IFB until award of Subcontract to Trade Subcontractor) shall Trade Subcontractors contact any person(s) or staff of the TJPA, TJPA Program Management/Program Controls (PMPC) team, Webcor/Obayashi Joint Venture, CM Oversight (CMO), or other TJPA Consultants regarding this IFB. The only contact is for submission of questions using the contact directions below.

Submit questions using the QBD form through Webcor/Obayashi. QBD form can be found in Project Bidding Manual.

E-mail Webcor/Obayashi Joint Venture at [TransbayBidding\\_TG05@webcor-obayashi.com](mailto:TransbayBidding_TG05@webcor-obayashi.com).

Fax Webcor/Obayashi Joint Venture at (510) 476-3005.

### **END OF COMMUNICATION WITH WEBCOR/OBAYASHI JOINT VENTURE**

## IV. SCOPE OF THE PACKAGE AND BID ITEM INFORMATION

### TG05.2R Temporary Power Services Package:

#### A. Package Scope Summary

Trade Subcontractor agrees to furnish all labor, materials, equipment, and other facilities (collectively called the "Work") required to complete Project Work in accordance with Contract Documents. The Trade Subcontractor is recognized as a professional contractor and is required to provide a complete scope of work, including any items not shown in the Contract Documents which are typically included in this scope of work. The Work to be performed by the Subcontractor includes but is not limited to the following:

#### Temporary Power – Phase I

The subcontract scope of work will consist of the following summary:

- *Engineer, Design, Coordinate and Install five (5) Temporary Power Skids and metered switchgear per PG&E Standards in preparation of Transformer and line power connection.*
- *Install on & off site ground ducts, distribution panel with above grade conduit Stub-outs for future connection by other subcontractors.*
- *Provide and Install Protective Bollards and Fencing at each Skid.*
- *Provide assistance with power hook-up @ distribution panels for future site subcontractor.*
- *Conduct scheduled maintenance for gear and panels as needed over the 1.5 year period.*
- *Abandon all gear, materials and installations upon conclusion of scheduled maintenance.*

Value of this Subcontract is anticipated to be in excess of \$600,000.

Project Bidding Manual (Revision 10 dated February 11, 2011) modifications specific to this package:

#### B. General Work

The Trade Subcontractor Work Requirements as established in the Project Bidding Manual are clarified, modified and supplemented by the following information. If any conflict between this document and the Project Bidding Manual exist, the more stringent will apply as determined by Webcor/Obayashi.

1. Logistics & Design Coordination: A general Site Logistics & Design Plan has been established by both PG&E and Webcor/Obayashi Joint Venture and is incorporated into this document under **Attachment 2** (page 15). Trade Subcontractor to submit preliminary Logistics & Design plans to Webcor/Obayashi Joint Venture for approval. Modification(s) to the Trade Subcontractors Plans as directed by Webcor/Obayashi Joint Venture shall not be grounds for a changed condition to the Trade Subcontractor.
2. Staging and Parking Areas: Webcor/Obayashi Joint Venture will not be providing areas for staging or parking. All arrangements for use of properties by the Trade Subcontractor will be made by that Trade Subcontractor.
3. Pre-Construction Coordination: Trade Subcontractor will meet with Webcor/Obayashi Joint Venture no more than 10 days after contract award regarding logistical planning and all applicable coordination.

4. Access to Adjacent Property: Access to adjacent properties must be maintained at all times to pedestrian entries, vehicle entries and loading docks of all adjacent properties during any stage of this contract scope. Trade Subcontractor will coordinate deliveries to neighboring properties as necessary.

### C. SBE Program

**As allowed for under the TJPA Small Business Enterprise Program, this package has been set aside for SBE participation only. Respondents are required to be a certified Small Business Enterprise (SBE) in order to propose for this scope of work.** The SBE program is further defined in Contract Document Section 00 08 21. Failure to meet the aforementioned SBE participation requirement will deem the Trade Subcontractor unqualified to bid this trade group. If strategy includes using sub-tier contractors, those sub-tier contractors must be classified as SBE.

### D. Base Bid Item Scope

This section is supplemental information used to describe how the Bid pricing is to be broken down and to generally describe the scope of the work defined in the Contract Documents. All necessary work from mobilization to final as-built documentation submission shall be included in the Bid items.

General Scope: Subcontractor shall engineer, design, furnish and install a complete and fully operable temporary power skid system in conformance with all federal, state, municipal and agency requirements, and the National Electric Code, National Safety Code and Cal/OSHA. This package will include connection of power from existing PG&E facilities adjacent to the project site to temporary power skids at 5 locations that generally includes:

Provide and install temporary power skids including all underground infrastructures from PG&E facilities as shown, site power distribution panels and associated transformers, bollard, fencing & gate installation, and overall system maintenance over the specified length of time. Installation of underground duct banks, skids and transformers shall be coordinated with and installed per PG&E standards including, but not limited to, all necessary engineering and field coordination.

License: Minimum California State Contractors License required - Class "B" w/ "C10" and/or "C10" license with properly licensed second tier subcontractors.

Permits & Fees: Subcontractor shall obtain and pay for any required applications, permits, utility connection fees & costs, and inspections pertaining to this work. All Permit Fees are reimbursable per contract documents.

Shop Drawings: Provide shop drawings to Webcor/Obayashi Joint Venture for review prior to installations and in conformance with contract specifications. Subcontractor shall have sole responsibility for the engineering of the temporary power system. The Contractor's review shall not be considered as verification of this engineering. Engineering coordination may be required with PG&E and this Subcontractor shall include any engineering design contingencies PG&E or other governing agencies may require.

Completeness of Work: The scope of work for this contract shall include all work reasonably inferable for scope completion, regardless of whether referenced in drawings or not.

Skid Installation Coordination: Prior to the start of any skid installation Subcontractor will schedule and conduct a coordination meeting with Webcor/Obayashi Joint Venture and any associated public entities including, but not limited to, PG&E a minimum of 15 business days prior to start of work.

Layout: Subcontractor is responsible for any/all surveying, staking and layout required for this scope of work. Benchmark datum points will be provided by others.

Site Logistics: Subcontractor is responsible for any/all traffic control, signage, arrow points, flagmen, pedestrian control and protection, and barricade/fence/gate removals, replacement and/or repair associated with this scope of work. All traffic control is per specification or City Ordinance; whichever is the more stringent shall apply.

Switchgear: Metered switchgear for all 5 skids shall be NEMA 3R Outdoor non walk-in. Switchgear distribution buses/panels shall be oversized for future scalability for maximum flexibility. Special consideration required for the following:

- a) Each Switchgear shall be designed for a service load of 2500A, 277/480V 3 Phase (refer to PG&E Construction Sketches 30723658 & 30723702 in IFB Attachment 2 for additional data).
- b) All switchgear shall be a vertical bus design with oversized distribution boards to accommodate breakers sizes up to 600 amps for future distribution flexibility. Each load side distribution buss assembly shall include cost and accommodation for 2x600amp and 2x400amp breakers with space for two additional breakers, however, final buss distribution and breaker sizes are pending final design schematic review and approval by Webcor/Obayashi Joint Venture.
- c) Switchgear Manufacturer must be a nationally recognized manufacturer and compliant with PG&E standards.
- d) Device Mounting for Main and Distribution Sections shall be panel mounted.
- e) Line and Load terminations shall be accessible from front only of switchboard.
- f) Furnish Metering gear/panel for PG&E use and in accordance to their requirements.
- g) Distribution Panel shall include wireways for future panel connectivity.
- h) Switchgear must be new. Used or refurbished switchgear is not acceptable.
- i) Aluminum in lieu of copper busses is acceptable for temporary gear (if applicable per accepted manufacturer design) provided that Trade Subcontractor demonstrate that additional maintenance for aluminum gear is not required.
- j) Provide all code compliant grounding. Bus Bar to extend length of switchboard.
- k) Finish shall be Manufacturers standard light gray enamel over external surfaces.
- l) Subcontractor to request Webcor/Obayashi approval prior to ordering switchgear.
- m) Switchgear will be released to Webcor/Obayashi upon completion of this Subcontract term.
- n) Provide any/all assembly GFI testing as required for PG&E and applicable Codes.

Skids: All Skid installations shall confirm to PG&E standards including, but not limited to, the following:

- 1) Provide one concrete pad per PG&E Standards (Ref: PG&E Green Book) and each pad size shall be 27 ft x 12 ft. Pad locations shall be coordinated with, and approved by, Webcor/Obayashi prior to installation.

- 2) Pads are to include block-out areas for future Load Side underground conduit access. Block outs to be coordinated with Webcor/Obayashi prior to installation.
- 3) Each skid assembly layout will be coordinated with, and approved by, Webcor/Obayashi prior to fabrication. Layout coordination and installation shall include the following equipment and layout considerations:
  - PG&E Line Side transformers (Provide by PG&E).
  - Switchgear for future PG&E meters and load side distribution.
  - Load side step down transformer and distribution panel.
  - Space for future generator placement and Automatic transfer switch (to be installed under separate contract).
  - Perimeter Fencing and Access Gate Locations.
  - Protective Bollard Placement.
- 4) PG&E will pull and terminate all feeders on the Line Side (Meter side) of the switchgear. Subcontractor is responsible for the Switchgear and everything on the Load Side of the Meter.
- 5) Provide and install galvanized, heavy gauge chain link fence on the perimeter of each concrete pad. Post shall be anchored to concrete and fencing shall be 9' high and include one 3-ft single leaf swing gate and two 8-ft double leaf swing gate with latch hooks and lockable rings. Gate shall be of heavy commercial grade construction and shall include heavy commercial grade vision slates on all sides including gates. Fencing and Gate locations shall be coordinated with and approved by Webcor/Obayashi prior to installations.
- 6) Furnish & install bollards at each Skid location per PG&E design requirements and as directed by Webcor/Obayashi Joint Venture site representative.

Specific Skid detail:

Skids 1 & 2:

- Provide all underground conduit and structures starting at the property line on Minna Street to temporary power skid #1. All city street trenching and underground installation shall comply with PG&E, City and Cal-OSHA Standards.
- Provide all underground conduit, structures and feeders between temporary power skids #1 and #2.

Skids 3 & 4:

- Provide all underground conduit and structures from the PG&E vault in Fremont Street to the temporary power skid #3. All City street trenching, underground installation, street patching, and stripping shall comply with PG&E, City and Cal-OSHA Standards.
- Provide all underground conduit, structures and feeders between temporary power skids #3 and #4. This will included, but not limited to, coring electrical street vault per PG&E approval and direction for installation of two 4" conduits.

Skid 5:

- Provide all underground conduit and structures from the PG&E Point of Connection (POC) in Beale Street to temporary power skid #5.

Distribution panel: For general site power use furnish step down transformer and distribution panel per each skid assembly. The transformer shall accommodate one 120/208 200amp distribution panel. Each panel shall consist of:

- 1.) NEMA 3R Circuit Breaker type Panelboards.

- 2.) 2x50amp, 6x20amp and 2 spare 20 amp breakers
- 3.) Measure Load currents at each panelboard feeder; rearrange circuits in panelboard to balance phase loads to within 20 percent of each other.
- 4.) Provide Aluminum, current carrying components, with ratings as indicated above.
- 5.) Furnish grounded and bonded panelboard.
- 6.) Provide code complaint emergency disconnect switch.
- 7.) Panel Box finish in manufacturer standard gray enamel.
- 8.) Install Filler Plates for unused spaces in panelboards.
- 9.) Provide galvanized unistrut support assemblies for adjustable mounting heights no greater than 6 feet at top of panelboard (Mounting heights are flexible. Actual heights to be determined during initial skid design coordination)
- 10.) Perform circuit breaker and switch inspections accordingly.
- 11.) Provide two 50amp pigtailed at each distribution panel. Pigtailed ownership will be transferred to Webcor/Obayashi Joint Venture upon subcontract completion.

System Maintenance: Subcontractor will include 18 months of switchgear maintenance (if required) and systems are to remain 100% operational unless outages are caused by others. Shutdown of any kind requires one week advance notice to Webcor/Obayashi Joint Venture field superintendents. At the end of the maintenance terms for each skid, Subcontractor shall perform final maintenance and conduct a mutually scheduled transfer of ownership and salvage rights of Temporary Power Skid Systems to future electrical subcontractor per Webcor/Obayashi Joint Venture direction. Transfer of final Skid will result in the conclusion of Subcontractor scope.

Future Power Distribution: Subcontractor shall include 200 nonconsecutive man hours per skid (daily tickets indicating time requires daily verification and signatures by an authorized Webcor/Obayashi Superintendent) for service interface and coordination with other subcontractors requiring temporary power connections directly in or on switchgear assemblies. Subcontractor is not responsible for temporary power installations installed by others or anything beyond the limits to temporary power skid assemblies.

Future Generators: Subcontractor shall include 48 nonconsecutive man hours per skid (daily tickets indicating time requires daily signatures by authorized Webcor/Obayashi personnel) to coordinate and assist in the connection & testing of future de-watering back-up generator and transfers switch installations (provided by others) for each of the five (5) temporary power skids. This activity will require inspection and testing by PG&E and involve PG&E review and approval prior to re-energizing temporary systems. Cost for PG&E testing and stand-by time for generator hook-up is by others.

Temporary Power Failure: In the event power unexpectedly fails due in any part to the negligence of Subcontractor, cost impacts incurred by Webcor/Obayashi Joint Venture or any other on site subcontractor – whether contracted to Webcor/Obayashi or directly to the TJPA - will be passed onto Subcontractor.

Trenching Operations: Subcontractor will demolish and remove all on and off site subsurface structures and infrastructure within its direct trenching operations as indicated on contract plans and specifications. These items include, but are not necessarily limited to, Sewer Lines, Water Lines, Electrical Conduit and structures, Telecommunication Conduit and Structures, and AWSS water system. Items not specifically shown to be removed or shown to be removed in a later phase, but within the limits of this scope, are to remain in place. All necessary measures to protect these remaining utilities will be required as part of this package. Include any shift work and night time operations (if required) for offsite street work (i.e., underground duct bank installation). This will include, but is not limited to, any stand-by fees and/or crews required by PG&E or other agencies.

For all off site trenching operations refer to and coordinate with the Utility Relocation Plans and Technical Specifications provided within this Subcontract scope (see **Attachment 2**).

Schedule: Skids are to be sequentially energized per field direction and PG&E meters activated for use beginning the 3<sup>rd</sup> Quarter of 2011 and completed in the 4<sup>th</sup> Quarter 2011. Refer to Subcontract Exhibit I for further detail.

Protection: Protect the entire temporary power skid installations against weather damage and the normal operations of other trades.

Signage: provide all required Federal, State and Local code, NEC, OSHA and Safety signage (example: Danger – High voltage, etc.) on each side of fence enclosures no greater than 10 feet apart.

Mobilization: Subcontractor shall provide mobilizations as necessary in completing all Skid installations.

**END OF SCOPE OF THE PACKAGE AND BID ITEM INFORMATION**

**V. CONSTRUCTION SCHEDULE AND MILESTONES**  
**(Temporary Power Skids TG05.2R)**

A concept schedule is provided for reference only (see Exhibit I). The schedule activities in Exhibit I between the date of the Notice to Proceed and the Completion Date of each Zone should not be assumed to be complete or a binding work plan

The Trade Subcontractor shall utilize the Webcor/Obayashi Joint Venture Master Schedule

**END OF CONSTRUCTION SCHEDULE AND MILESTONES**

**Attachment 1 BID FORM AND SCHEDULE OF BID PRICES**

TO THE TJPA EXECUTIVE DIRECTOR

In response to the Advertisement for Bids for the following public work:

**Trade Package # TG05.2R: Temporary Power Skids;**

The undersigned Bidder hereby proposes and agrees to execute the required contract scope, shall it be awarded to said Bidder, and furnish all the materials thereof in accordance with the Specifications and Drawings referred to in said Advertisement for Bids and at the prices named in the attached Schedule of Bid Prices.

The undersigned declares: That it is the Bidder (or by holding the position below indicated is authorized to execute this Bid Form on behalf of the Bidder); that said Bidder submits this Bid; that said Bidder has not, nor have any of its agents, officers, representatives or employees, been guilty of collusion with any officer or representative of Webcor/Obayashi or the TJPA, or with any other party or parties in the submission of this Bid; nor has said Bidder received any preferential treatment by any officer or employee of Webcor/Obayashi or the TJPA in the making or submitting of this Bid. The undersigned declares under penalty of perjury that all representations made on this Bid Form are true and correct.

Executed on \_\_\_\_\_ 20 \_\_\_\_\_

\_\_\_\_\_  
Telephone Number

\_\_\_\_\_  
Name of Firm or Corporation

\_\_\_\_\_  
Bidder or Authorized Representative

\_\_\_\_\_  
Position in Firm or Corporation

\_\_\_\_\_  
S.F. Business Tax Registration  
Certificate Number

\_\_\_\_\_  
Address of Firm or Corporation      Zip Code

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

\_\_\_\_\_  
License Expiration Date:

**BOND OR CHECK REQUIRED:** There is herewith attached, as required by law, bid security in accordance with Project Bidding Manual.

***NONDISCRIMINATION IN CONTRACTS AND SMALL BUSINESS ENTERPRISE PROGRAM:***  
*Provisions of chapter 12B (including its implementing Rules and Regulations) of the San Francisco Administrative Code, and the TJPA Small Business Enterprise Program are incorporated herein and by reference made a part of the Bid Sections as though fully set forth. The Bidder and all lower-tier Subcontractors and suppliers shall comply with these provisions and shall submit all required sections in a timely manner. All Bidders are required, and lower-tier Subcontractor and suppliers are strongly encouraged to take part in pre-bid and pre-award conferences.*

**SCHEDULE OF BID PRICES**  
**TG05.2R Temporary Power Skids**

Name of Bidder: \_\_\_\_\_

The undersigned, having examined all referenced documents and the Drawings, understanding the terms and conditions of the Contract Documents and the local conditions affecting the performance and costs of the Work, and having fully inspected the Site in all its particulars, hereby proposes and agrees to fully perform the Work as indicated on the Drawings and in accordance with the requirements of the Contract Documents within the time stated therein, and for the following price(s):

No.	Uniformat Code	Master Format Code	Sec IV Info	Item Description	Unit of Measure	Est. Quantity	Bid Rate per Quantity	Bid Price
1		01 13 00		Submittals (Design Documents)	LS	Lump Sum	Lump Sum	
2		01 17 20		Project As-Built Drawings	LS	Lump Sum	Lump Sum	
3				Mobilization(s)	LS	Lump Sum	Lump Sum	
4				Switchgear/Distribution Panel & Transformer Procurement	LS	Lump Sum	Lump Sum	
5				Switchgear, Equipment & Skid Installations (see Bid Item Scope for Required Future Man Hours)	LS	Lump Sum	Lump Sum	
6				Long-term Maintenance (see Bid Item Scope)	LS	Lump Sum	Lump Sum	
7				Allowance: Unforeseen Site Power Skid Revisions	Allow	-	-	\$25,000
8								
9					Hr	1	\$_____	\$_____
10					Hr	1	\$_____	\$_____
11					Hr	1	\$_____	\$_____
12				Engineering, CADD, Documentation and Administration.	Hr	1	\$_____	\$_____

GRAND TOTAL: \_\_\_\_\_

The Bidder shall furnish a price for all Bid items in the Bid Schedule and failure to do so will render the Bid as non-responsive and will be cause for its rejection. In determining the successful Bidder, only the total of all Bid items will be considered. No award will be made based on individual bid items.

In case of discrepancy between the sum of Bid item amounts and the Grand Total Bid Price, the sum of said amounts shall prevail.

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

Bidder acknowledges and agrees that this Bid, if not withdrawn prior to the scheduled time for receipt of Bids, shall not be withdrawn for a period of 90 days thereafter.

Grand Total Bid Price: \$ \_\_\_\_\_ (from Total of SCHEDULE OF BID PRICES)

In Written Words: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bid submitted by:

\_\_\_\_\_  
Name of Firm, Corporation, Partnership or Joint Venture (seal)

\_\_\_\_\_  
Names of All Partners, if Partnership

\_\_\_\_\_  
State of Incorporation, if Corporation

\_\_\_\_\_  
Signature of Bidder or Authorized Representative

\_\_\_\_\_  
Date of Bid

\_\_\_\_\_  
Name and Title of Authorized Representative

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. A corporate authority document which indicates individual is authorized to execute bid documents on behalf of the Firm, Corporation, Partnership or Joint Venture shall be attached.

**END OF BID FORM AND SCHEDULE OF BID PRICES**

***Attachment 2 LOGISTICS & DESIGN COORDINATION***

The attached drawings represent conceptual design, construction and logistical plans for the TG05.2R scope of work:

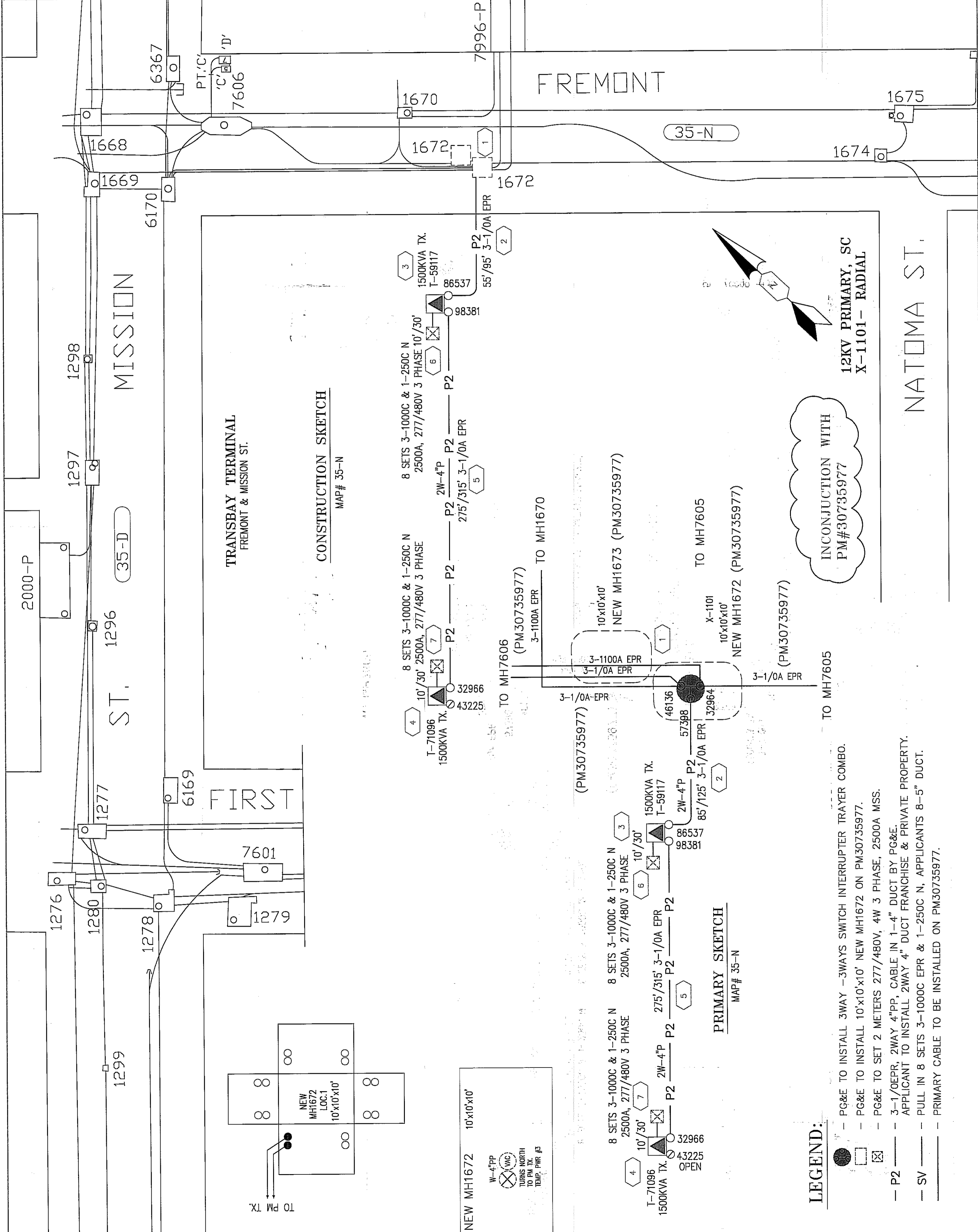
- 1.) PG&E Construction Plan @ 30723658 for Skids 1 & 2 (Dated 03/08/2010)
- 2.) PG&E Construction Plan @ 30723702 for Skids 3 & 4 (Dated 04/07/2010)
- 3.) PG&E Construction Plan @ 30723657 for Skid # 5 (Dated 12/09/2010)
- 4.) Webcor/Obayashi Joint Venture – Site Logistics Temp Power Plan SL-300 (Dated 07/30/2010)

**NOTE:** For all off site trenching operations refer to and coordinate with Utility Relocation Plans and Technical Specifications provided within this Subcontract scope as follows:

- Utility Relocation Plans Package prepared for the Transbay Joint Powers Authority by AECOM including drawings with the following dates and titles:
  - 9-29-2010 (for construction)
  - 10-1-2010 (for construction delta 1)
  - 10-1-2010 (for bid delta A)
  - 10-14-2010 (for construction delta 2)
  - 11-30-2010 (addendum #1)
  - 12-22-2010 (for construction)
  - 12-27-2010 (Revisions – Minna Street)
  - 01-05-2011 (Revisions – Shoring Wall Changes)
  - See Technical Specifications – volume 20 for complete List of Drawings and Specifications.
- Utility Relocation Technical Specifications prepared for the Transbay Joint Powers Authority by AECOM dated September 29, 2010 with modifications thru January 31, 2011.

**END OF LOGISTICS**





**CONSTRUCTION SKETCH**

MAP# 35-N

**PRIMARY SKETCH**

MAP# 35-N

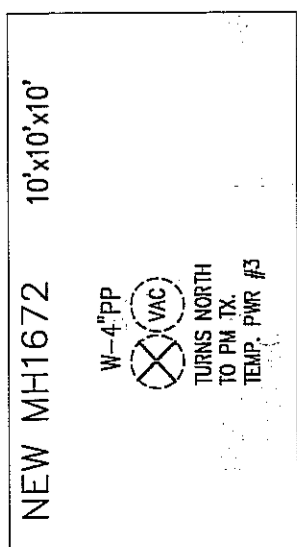
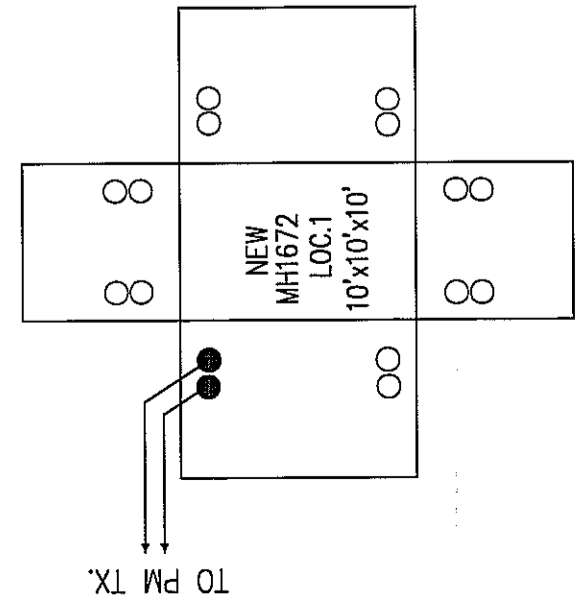
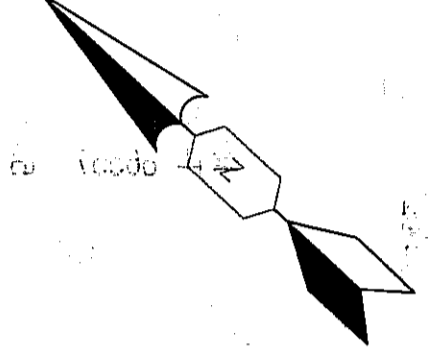
**LEGEND:**

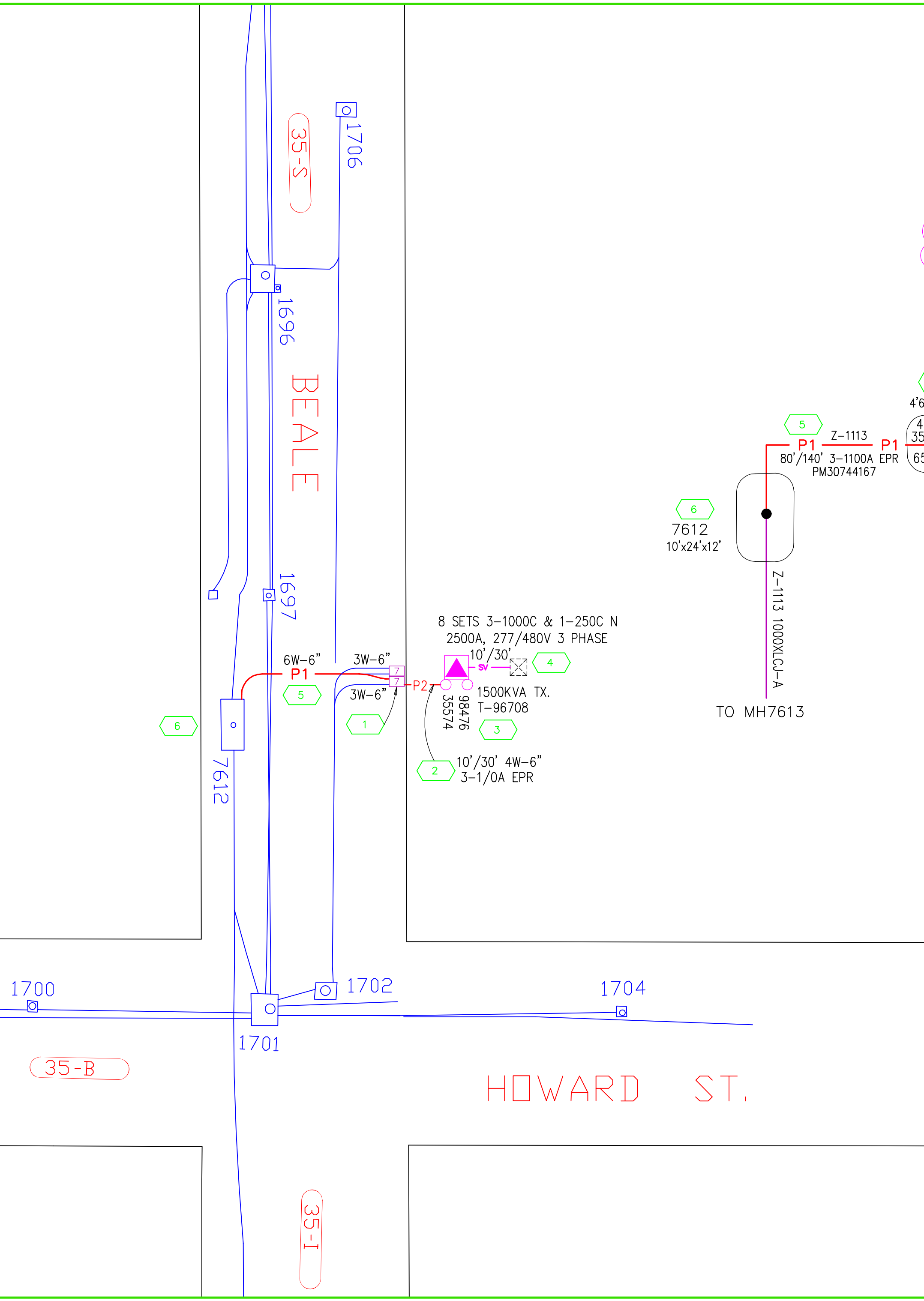
- - PG&E TO INSTALL 3WAY -3WAYS SWITCH INTERRUPTER TRAYER COMBO.
- - PG&E TO INSTALL 10'x10'x10' NEW MH1672 ON PM30735977.
- ⊗ - PG&E TO SET 2 METERS 277/480V, 4W 3 PHASE, 2500A MSS.
- P2 - 3-1/0EPR, 2WAY 4\"PP, CABLE IN 1-4\" DUCT BY PG&E.
- SV - APPLICANT TO INSTALL 2WAY 4\" DUCT FRANCHISE & PRIVATE PROPERTY.
- - PULL IN 8 SETS 3-1000C EPR & 1-250C N, APPLICANTS 8-5\" DUCT.
- - PRIMARY CABLE TO BE INSTALLED ON PM30735977.

INCONJUNCTION WITH  
PM#30735977

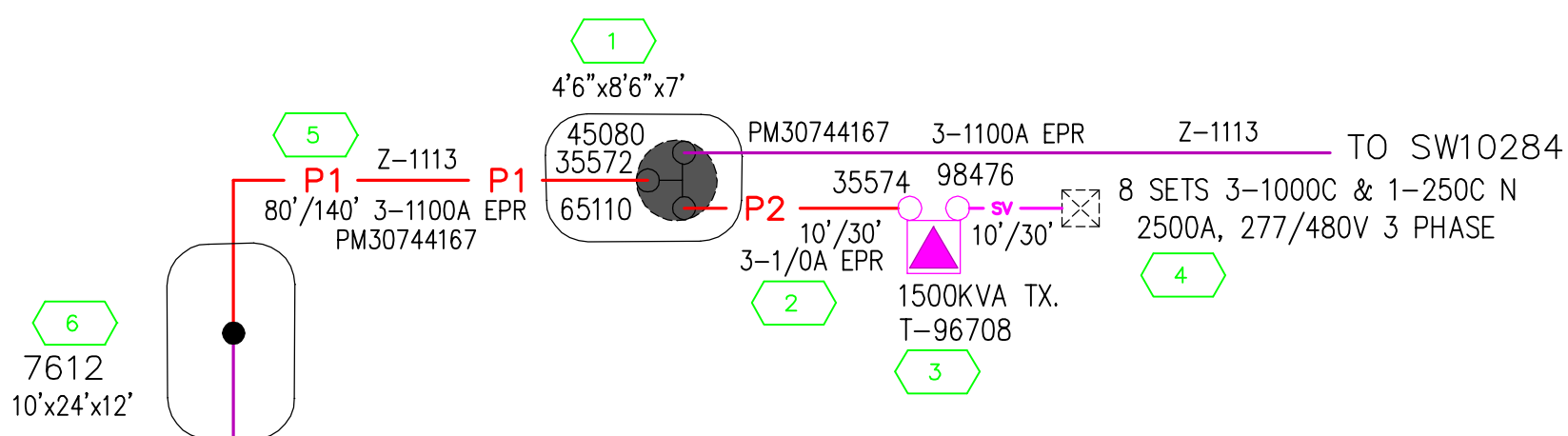
12KV PRIMARY, SC  
X-1101 - RADIAL

NATOMA ST.





NOTE TO FOREMAN:  
CONDUIT & SWITCH ENCLOSURE WILL BE  
INSTALLED ON PM#30744167

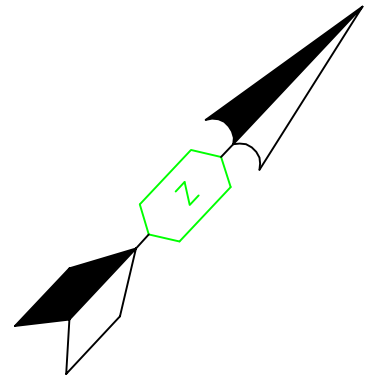


PRIMARY SKETCH  
MAP# 35-S

LEGEND:

- PG&E TO INSTALL 3WAY -3WAYS SWITCH INTERRUPTER TRAYER COMBO.
- PG&E TO INSTALL 4'6\"/>

FUTURE REMOVAL WILL BE ESTIMATED  
AT TIME OF REMOVAL (5 TO 7 YRS.)



12KV PRIMARY, SC  
Z-1113- RADIAL

<p>EST: D.U.COSINO (415-695-3680) ADE: KEN JUE (415-695-3372) SUPV: DAVID LEE (415-695-3489) REP: A. CHAN (415-695-3418) PLNR: D. AGUIAR (415-695-3580) SCALE: NONE DATE: 12/09/2010</p>	<p>ENGINEERING AND PLANNING DEPT. 2180 HARRISON ST. SAN FRANCISCO, 94110 PHONE #: 415-973-7000 FAX #: 415-695-3290 PACIFIC GAS AND ELECTRIC COMPANY</p>	<p>CO: _____ SD: _____ NOTIF.: 103908652 Other: _____ SHT: 1 SHEETS PM: 30723657 REV. 0</p>
<p><b>CONSTRUCTION SKETCH</b> TEMPORARY POWER 5 - TRANSBAY TERMINAL BEALE ST &amp; HOWARD ST. SAN FRANCISCO</p>		

