

VICINITY MAP
NOT TO SCALE



KEY MAP
NOT TO SCALE

CLB BENCHMARK NO. 1636
 HORIZONTAL: ASSUMED DATUM (N10000, E10000)
 VERTICAL:
 MARINE DRIVE AT ELIOT STREET
 BRASS DISC IN PCC STAMPED CLB 1636, 1985
 5.5' E'LY/W'LY CURB, 5.5' N'LY/N'LY CURB
 ELEV. 10.17 MSL DATUM, NGVD 1929
 1985 ADJUSTMENT

PROJECT SITE ADDRESS:

5355 E. ELIOT STREET
 LONG BEACH, CA 90803

SHEET INDEX:

SHEET#	TITLE
1	TITLE SHEET - VICINITY MAP & CONSTRUCTION LEGEND
2	SITE IMPROVEMENT PLAN
3	ELECTRICAL DEMOLITION PLAN
4	ELECTRICAL PAD SITE PLAN
5	ELECTRICAL SINGLE LINE DIAGRAM AND DETAILS
SCE 246215_1	411518-METER SERVICE CHANGE

OFF-SITE IMPROVEMENT GENERAL NOTES:

- ALL WORK EMBRACED HEREIN SHALL BE DONE IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (GREENBOOK) TOGETHER WITH THE CITY OF LONG BEACH (C.D.L.B.) AMENDMENTS TO SAID SPECIFICATIONS, CITY OF LONG BEACH STANDARD PLANS (ALL AS MOST RECENTLY ADOPTED BY THE CITY), AND STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC), 2006 EDITION.
- THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATION. APPROVAL OF THIS PLAN BY THE CITY OF LONG BEACH DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINE NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY LINES AND STRUCTURES THAT MAY BE DAMAGED ON ACCOUNT TO THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE CITY.
- THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS INSPECTION SECTIONS AT (562) 570-5160 AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO THE START OF CONSTRUCTION OF THE IMPROVEMENTS SHOWN ON THESE PLANS.
- UNDERGROUND SERVICE ALERT (USA/SC)
- CITY OF LONG BEACH WATER DEPARTMENT OR USA/SC (WATER, SEWER AND STORM DRAIN FACILITIES) OPERATIONS SERVICE CENTER
- CITY OF LONG BEACH GAS AND OIL DEPARTMENT OR USA/SC
- CITY OF LONG BEACH BUREAU OF TRAFFIC AND TRANSPORTATION TRAFFIC SIGNALS COORDINATOR, OPERATIONS DIVISION
- CITY LIGHT AND POWER, INC. (STREET LIGHT FACILITIES)
- ANY REVISIONS MADE TO APPROVED PLANS SHALL NEED SUBSEQUENT APPROVAL BY THE CITY ENGINEER BEFORE STARTING THE WORK.
- ANY OFF-SITE IMPROVEMENTS FOUND DAMAGED SHALL BE REPLACED TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
- GRADING WORK SHALL BE DONE IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE AS MOST RECENTLY ADOPTED BY THE CITY OF LONG BEACH.
- ALL PROPERTY CORNERS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION/GRADING.
- DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS.
- OFFSITE DISPOSAL OF EXCAVATION MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN ITS BID. THE CONTRACTOR SHALL HOLD THE CITY OF LONG BEACH HARMLESS AS A RESULT OF ANY CLAIMS ARISING FROM ACTIONS IN ROUTE OR AWAY FROM THE SITE.
- WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL PROVISIONS OF THE BUILDING CODE (EXCAVATION AND FILLS).
- APPROXIMATE DATE OF: BEGINNING OPERATION TBD COMPLETION TBD

A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (OCTOBER 1 TO APRIL 15). THE CONTRACTOR SHALL PROVIDE PROTECTIVE MEASURES AND TEMPORARY DRAINAGE FACILITIES TO PROTECT ADJOINING PROPERTIES AND THE PUBLIC RIGHT-OF-WAY FROM MUD, SILT AND STORM WATERS ORIGINATING ON OR DIVERTED FROM THE CONSTRUCTION SITE. CONSTRUCT TEMPORARY DESILTING BASIN FOR TRAPPING MUD, DEBRIS, ETC., AND TO CLEAR THE WATER PRIOR TO DEWATERING BY ANY ACCEPTABLE MEANS LIKE PUMPING. WHEN WATER HAS BEEN CLEARED, PUMPING CAN BE MADE DIRECTLY INTO THE EXISTING PUBLIC STORM DRAIN SYSTEM. THE CONTRACTOR SHALL BE MADE RESPONSIBLE FOR CLEANING THE SAID STORM DRAIN AFTER COMPLETION OF DEWATERING. DEWATERING OR PUMPING DIRECTLY, OR SHEET FLOW OVER PUBLIC SIDEWALK AND ROAD SURFACE, WILL NOT BE PERMITTED. DEWATERING OR PUMPING INTO THE LOS ANGELES COUNTY OR CALTRANS STORM DRAIN SYSTEM MAY REQUIRE PERMITS FROM SAID AGENCIES. THEY SHALL BE CONSULTED BEFORE DOING THE WORK.

ABBREVIATIONS:

A	AMPS
APPROX	APPROXIMATE
C	CABLE
CF	CURB FACE
CL	CENTERLINE
CMB	CRUSHED MISCELLANEOUS BASE
CONC	CONCRETE
D	DEPTH
DIST	DISTANCE
E	EASTING
ELEV	ELEVATION
E'LY	EASTERLY
EX. (E)	EXISTING (ITEM AS INDICATED)
FS	FINISHED SURFACE
GB	GRADE BREAK
GND	GROUND
H	HEIGHT
KC/MIL	THOUSAND CIRCULAR MIL
KV	KILOVOLTS
KVA	KILOVOLT-AMPERE
MAX	MAXIMUM
MIN	MINIMUM
MSL	MEAN SEA LEVEL
MVA	MEGAVOLT AMPERE
(N)	NEW (ITEM AS INDICATED)
N	NORTHING
NGVD	NATIONAL GEODETIC VERTICAL DATUM
N'LY	NORTHERLY
NO.	NUMBER
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
ON CENTER	ON CENTER
OC	PORTLAND CEMENT CONCRETE
PCC	POWER TRANSFORMER
PT	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
SPPWC	SOUTHERN CALIFORNIA EDISON
SCE	SOUTHERN CALIFORNIA EDISON
S'LY	SOUTHERLY
SYM	SYMBOL
TBD	TO BE DETERMINED
TC	TOP OF CURB
TYP	TYPICAL
UGPS	UNDERGROUND PULL SECTION
U.O.N.	UNLESS OTHERWISE NOTED
VAR	VARIES
VT	VOLTAGE TRANSFORMER
W	WIDTH
W'LY	WESTERLY
(X)	REMOVE (ITEM AS INDICATED)

LINE/HATCH LEGEND:

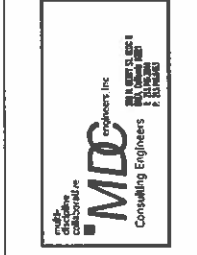
	DAYLIGHT
	EXISTING FENCE/POST REMOVAL
	FENCE
	SAWCUT
	FENCE POST
	1/2" DIAMETER ANCHOR BOLT LOCATION
	GRADE BREAK
	CONDUIT LOCATION/OPENING OR CABLE KNOCKOUT
	DRAINAGE DIRECTION
	EXISTING SLAB/CONCRETE CURB REMOVAL
	CRUSHED MISCELLANEOUS BASE (CMB)
	NEW CONCRETE
	SECTION
	PAGE REFERENCE

LIST OF CONTACTS

AGENCY	PHONE NUMBER
UNDERGROUND SERVICE ALERT (USA/SC)	(800) 227-2600
CITY OF LONG BEACH WATER DEPARTMENT (WATER, SEWER AND STORM DRAIN FACILITIES) OPERATIONS SERVICE CENTER	(562) 570-2389 (562) 570-2390
CITY OF LONG BEACH GAS AND OIL DEPARTMENT ATTN: MIKE ZUKOSKI	(562) 570-2030
CITY OF LONG BEACH BUREAU OF TRAFFIC AND TRANSPORTATION TRAFFIC SIGNALS COORDINATOR - OPERATIONS DIVISION ATTN: MIKE SICKLES	(562) 570-2762
CITY LIGHT AND POWER, INC. (STREET LIGHT FACILITIES) ATTN: KEVIN BREDEKAMP	(562) 983-2000
SOUTHERN CALIFORNIA EDISON ATTN: JEFF BERRY 2800 EAST WILLOW ST. LONG BEACH, CA 90806 EMAIL: JEFFREY.BERRY@SCE.COM	(562) 981-8240
CITY OF LONG BEACH PARKS & RECREATION PLANNING & DEVELOPMENT BUREAU ATTN: SANDRA GONZALEZ	(562) 570-5479
VERIZON ATTN: PAT DILLON	(714) 375-6705



PLANS PREPARED BY:
PSOMAS
 3 Hutton Centre Drive, Suite 200
 San Diego, CA 92108
 (714) 751-7373 Fax (714) 545-8883
 Mark A. Verrengia, P.E., RCE 64342



CITY OF LONG BEACH - DEPARTMENT OF PUBLIC WORKS - ENGINEERING BUREAU - 333 W. OCEAN BLVD, LONG BEACH, CA 90802

MARINE VISTA PARK ELECTRICAL PAD TITLE SHEET

DESIGNED BY: RH
 DRAWN BY: JL
 SECTION HEAD: JL
 PROJECT MANAGER: JL
 INSPECTION: JL
 SURVEY CONTROL: JL

DESIGN CHECK BY: MW
 DRAFTING CHECK BY: JL

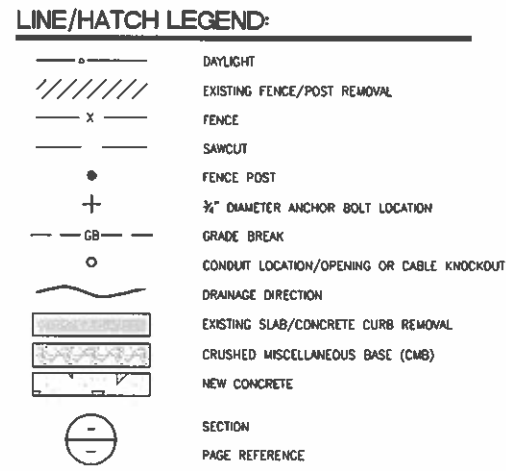
APPROVALS

REVISIONS	NO.	DATE	DESCRIPTION

ASSISTANT CITY ENGINEER: _____ DATE: _____
 CONSTRUCTION SERVICES OFFICER: _____ DATE: _____
 CITY ENGINEER: _____ DATE: _____
 CITY TRAFFIC ENGINEER: _____ DATE: _____

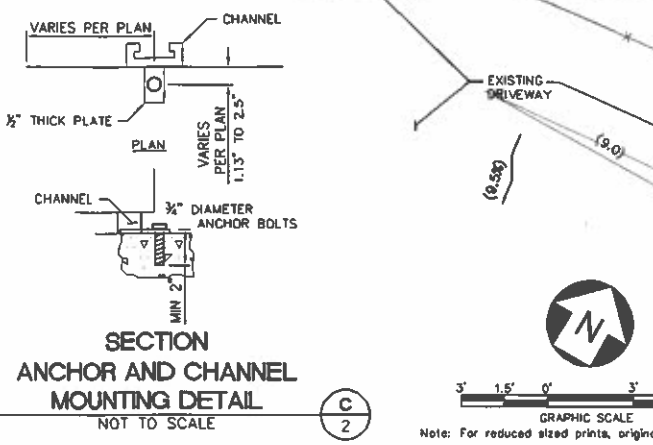
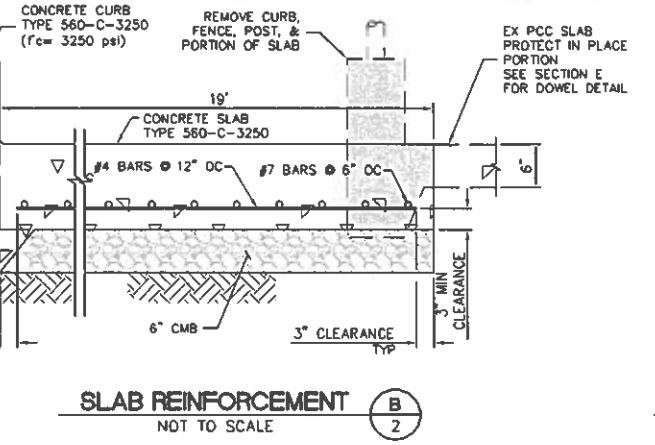
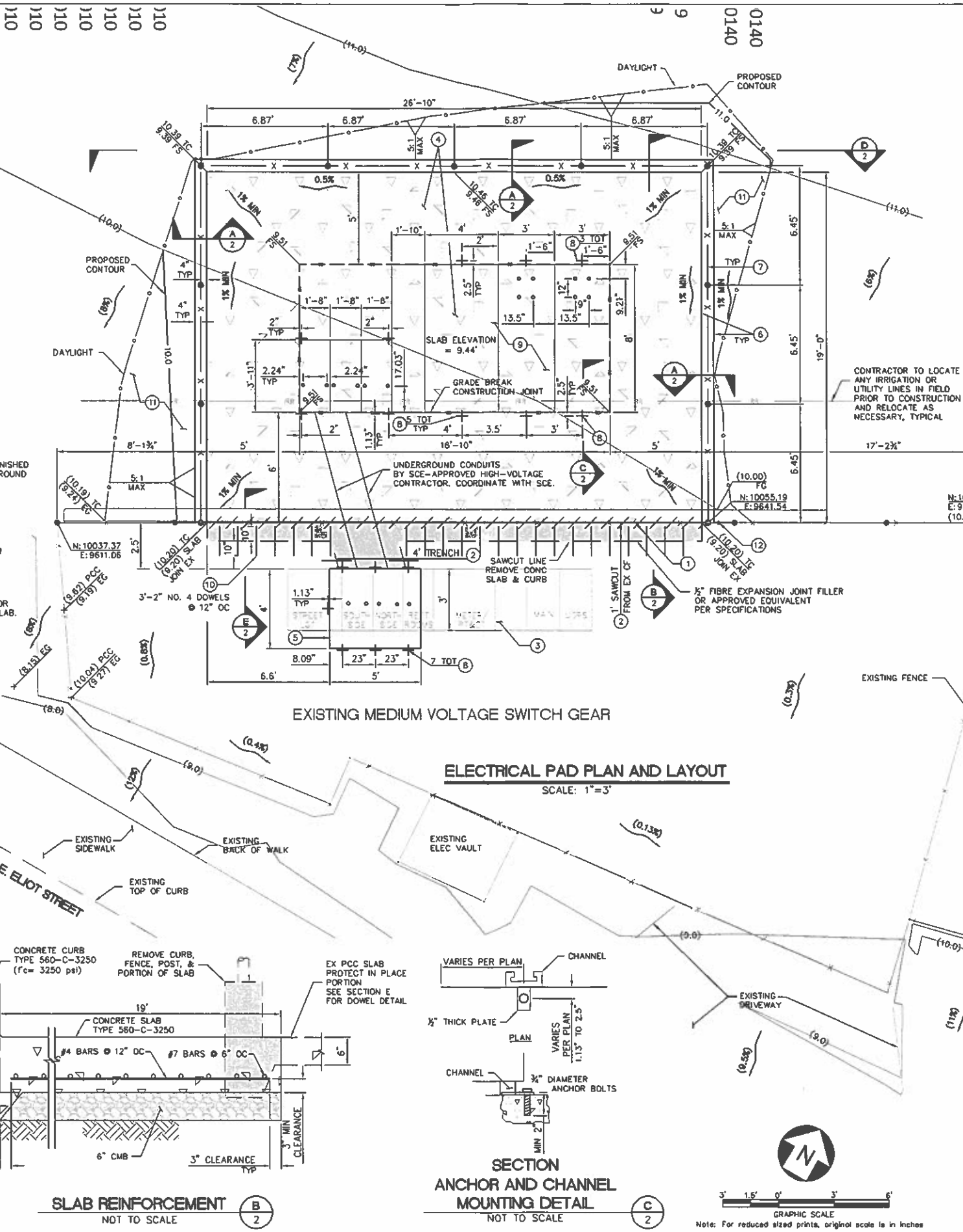
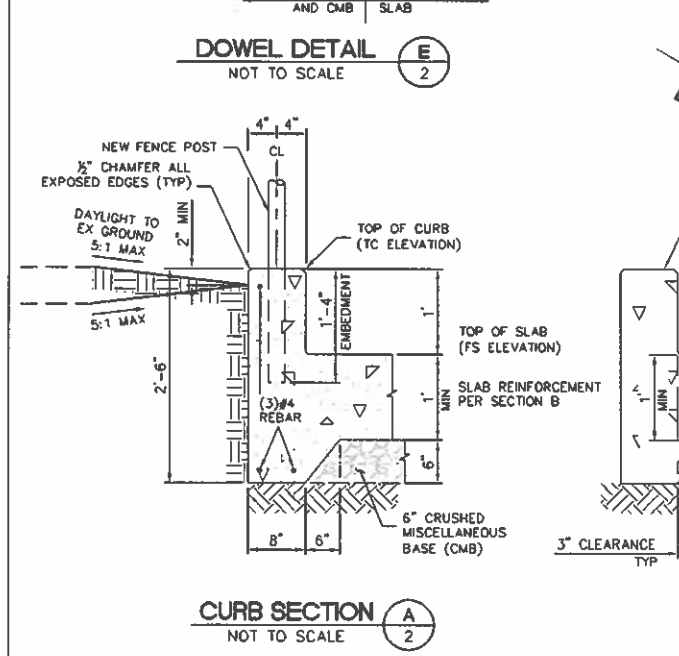
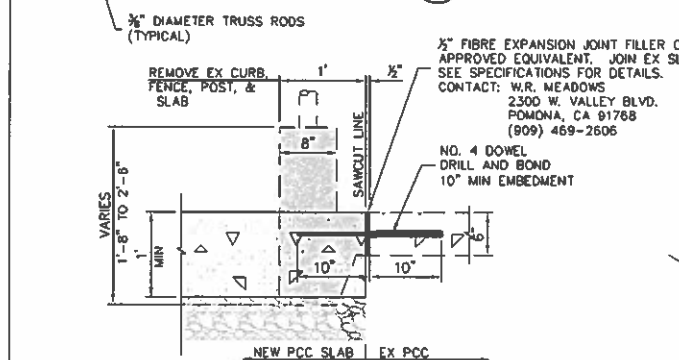
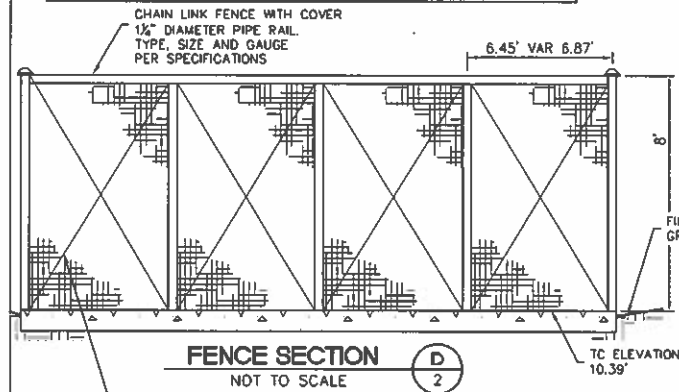
FIELD BOOK: _____ PAGE: _____ GRAPHIC SCALE: _____

JOB NO. PW 8040-14
 SHEET 1 OF 5
 DRAWING NO. B-4511



CONSTRUCTION NOTES:

- REMOVE EXISTING FENCE AND POSTS, LENGTH PER PLAN.
- REMOVE EXISTING CURB AND CONCRETE WITHIN TRENCH LIMITS, PER PLAN.
- REMOVE EXISTING SWITCH BOARD SYSTEM.
- CONSTRUCT 6" THICK CONCRETE SLAB WITH PER SECTION B REINFORCEMENT. PROVIDE OPENINGS FOR EQUIPMENT PER PAD LAYOUT ON SHEET 2. CONTRACTOR SHALL CONFIRM ALL EQUIPMENT AND OPENING DIMENSIONS WITH MANUFACTURER DRAWINGS PRIOR TO CONSTRUCTION.
- FURNISH AND INSTALL FREE-STAND, TYPE 12, MODEL UL508A ENCLOSURE PER MANUFACTURER'S SPECIFICATIONS ON SOUTH SIDE EXISTING PAD. ENCLOSURES MAY BE PURCHASED FROM HOFFMAN, OR APPROVED EQUIVALENT. NELSON & ASSOCIATES (ATTN: HOFFMAN ELECTRIC) 12816 LEFFINGWELL AVENUE SANTA FE SPRINGS, CA 90670-6343 (562) 921-4423
- CONSTRUCT 1'-0" MONOLITHIC RETAINING CURB WITH CONCRETE SLAB OVER 6" CRUSHED MISCELLANEOUS BASE, PER SECTION A. REINFORCEMENT PER PLAN.
- FURNISH AND INSTALL CHAIN LINK FENCE WITH RAILING. CHAIN LINK FABRIC SHALL BE 9 GAUGE WIRE, 2" MESH, TOP AND BOTTOM EDGES TWISTED AND BARBED. NEW FENCING SHALL MATCH ALL SPECIFICATIONS OF EXISTING WHEN POSSIBLE (COLOR, HEIGHT, TYPE).
- FURNISH AND INSTALL 3/4" DIAMETER ANCHOR MOUNTING SYSTEM PER DETAIL C.
- FURNISH AND INSTALL MASTERLAD SWITCH GEAR EQUIPMENT, MODEL 4160V MC SWGR PER MANUFACTURER'S SPECIFICATIONS. EQUIPMENT MAY BE PURCHASED BY SQUARE D SCHNEIDER ELECTRIC, OR APPROVED EQUIVALENT. SQUARE D / SCHNEIDER ELECTRIC (888) 778-2733
- FURNISH AND INSTALL NO. 4 DOWEL WITH CORING INTO EXISTING CONCRETE SLAB. LENGTH PER PLAN.
- REESTABLISH GRASS IN GRADED AREA.
- DRILL 2" DIAMETER WEEP HOLE IN EXISTING CURB. INVERT TO BE DETERMINED IN FIELD TO DRAIN.



PLANS PREPARED BY:
PSOMAS
 3 Hutton Centre Drive, Suite 200
 Santa Ana, CA 92707 Fax (714) 545-8883
 (714) 731-7373
 Aug. 20, 2010
 MARK A. VERRENDIA, P.E., RCE 84342

NOTE TO CONTRACTOR:

LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND DEPTH IS UNKNOWN. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO THE START OF EXCAVATION. CONTRACTOR SHALL TAKE CARE DURING EXCAVATION AND PROTECT IN PLACE ALL UTILITIES ENCOUNTERED UNLESS OTHERWISE NOTED. DAMAGED UTILITY FACILITIES SHALL BE REPAIRED AT NO ADDITIONAL COST.

CONTRACTOR SHALL CONTACT PARKS AND RECREATION DEPARTMENT TO TEST ALL IRRIGATION SYSTEMS PRIOR TO AND AFTER CONSTRUCTION. ANY DAMAGE TO FACILITIES DURING CONSTRUCTION SHALL BE REPAIRED AT NO ADDITIONAL COST.

CLB BENCHMARK NO. 1636
 HORIZONTAL: ASSUMED DATUM (N10000, E10000)
 VERTICAL:
 MARINE DRIVE AT ELIOT STREET
 BRASS DISC IN PCC STAMPED CLB 1636, 1985
 5.5' E'LY/W'LY CURB, 5.5' N'LY CURB
 ELEV. 10.17
 MSL DATUM, NGVD 1929
 1985 ADJUSTMENT

NO.	DATE	DESCRIPTION	BY	CHECKED	SCALE

MARINE VISTA PARK ELECTRICAL PAD PLAN

GRAPHIC SCALE: 1"=3'

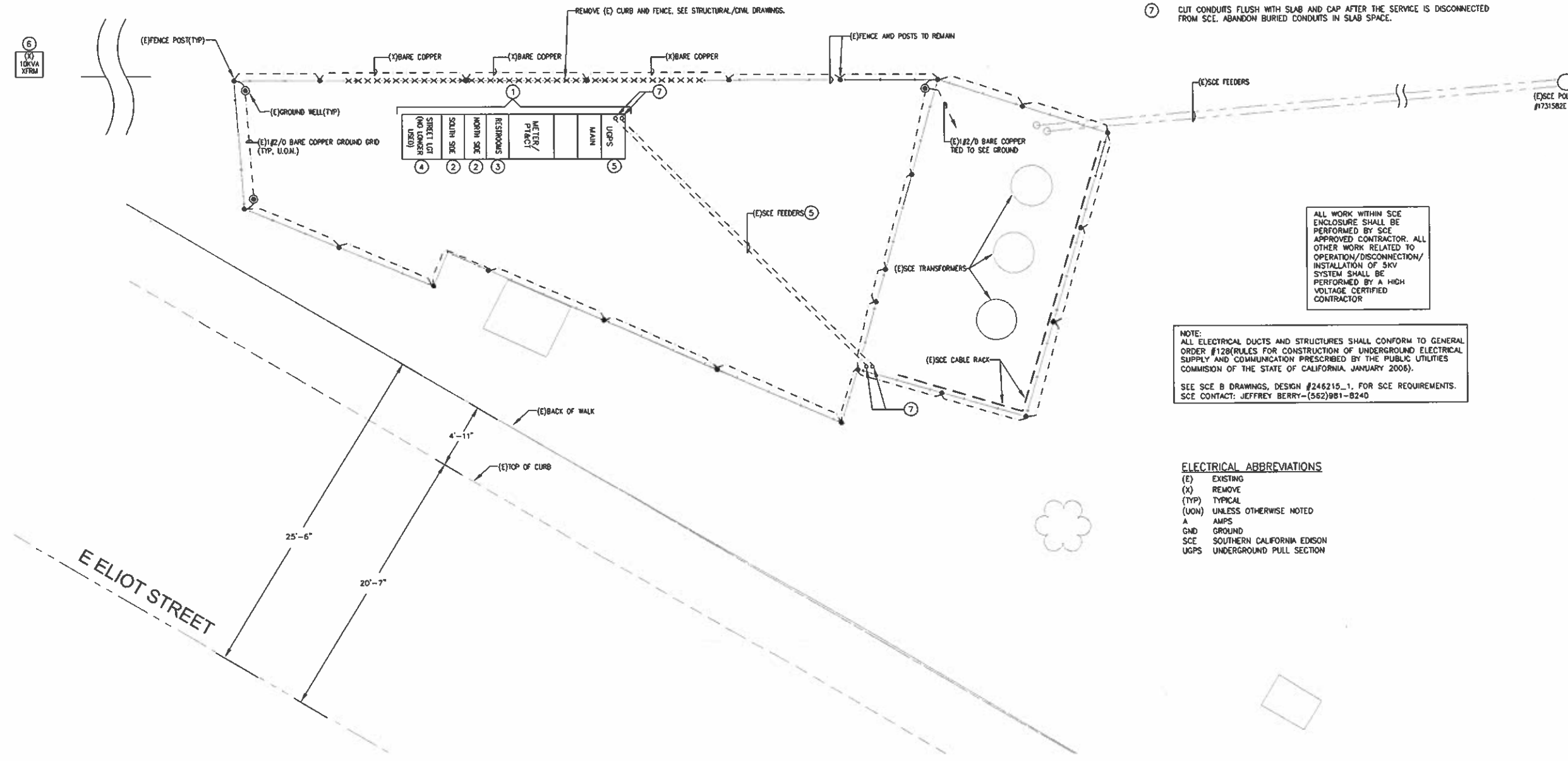
PAGE: 2 OF 5

FIELD BOOK

DRAWING NO: B-4511

CONSTRUCTION NOTES:

- ① DISCONNECT, REMOVE AND DISPOSE EXISTING SKV SWITCHBOARD. COORDINATE SHUT DOWN WITH SCE AND PARKS, RECREATION, AND MARINE DEPARTMENT PROJECT MANAGER. THE DOWN TIME SHALL BE KEPT TO A MINIMUM TO KEEP THE INTERRUPTION OF EXISTING SERVICE TO NORTH SIDE AND SOUTH SIDE. CONTRACTOR SHALL PROVIDE SEQUENCE OF CONSTRUCTION AND WORK SCHEDULE AS PART OF BID.
- ② SALVAGE EXISTING FEEDERS SERVING NORTH SIDE AND SOUTH SIDE FOR REUSE.
- ③ REMOVE EXISTING RESTROOM FEEDER.
- ④ REMOVE FEEDERS AND CONDUIT NO LONGER IN USE. CUT CONDUITS FLUSH WITH SLAB AND CAP AND REMOVE UNUSED WIRES.
- ⑤ COORDINATE WITH SCE FOR REMOVAL OF (E) SCE FEEDERS AFTER INSTALLATION OF NEW SWITCHGEAR EQUIPMENT, AND DUCT BANK. ALL CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED, AND ARRANGED, TO MINIMIZE THE SHUT DOWN PERIOD, AND MINIMAL DISRUPTION TO EXISTING OPERATIONS. CONTRACTOR TO SUBMIT CONSTRUCTION SCHEDULE ACCEPTABLE TO PARKS, RECREATION, AND MARINE DEPARTMENT.
- ⑥ REMOVE EXISTING 10KVA SINGLE PHASE TRANSFORMER(DISCONNECTED) AND ENCLOSURE SERVING RESTROOM NORTH, INCLUDING EQUIPMENT PAD. REMOVE PRIMARY FEEDER, ABANDON BURIED CONDUITS, SALVAGE SECONDARY FEEDER FOR RECONNECTION TO EXISTING RESTROOM BUILDING PANEL. FIELD VERIFY EXACT LOCATION.
- ⑦ CUT CONDUITS FLUSH WITH SLAB AND CAP AFTER THE SERVICE IS DISCONNECTED FROM SCE. ABANDON BURIED CONDUITS IN SLAB SPACE.



ALL WORK WITHIN SCE ENCLOSURE SHALL BE PERFORMED BY SCE APPROVED CONTRACTOR. ALL OTHER WORK RELATED TO OPERATION/DISCONNECTION/INSTALLATION OF SKV SYSTEM SHALL BE PERFORMED BY A HIGH VOLTAGE CERTIFIED CONTRACTOR

NOTE: ALL ELECTRICAL DUCTS AND STRUCTURES SHALL CONFORM TO GENERAL ORDER #128(RULES FOR CONSTRUCTION OF UNDERGROUND ELECTRICAL SUPPLY AND COMMUNICATION PRESCRIBED BY THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA, JANUARY 2008).
SEE SCE B DRAWINGS, DESIGN #246215-1, FOR SCE REQUIREMENTS. SCE CONTACT: JEFFREY BERRY-(562)981-8240

ELECTRICAL ABBREVIATIONS

- (E) EXISTING
- (X) REMOVE
- (TYP) TYPICAL
- (UON) UNLESS OTHERWISE NOTED
- A AMPS
- GND GROUND
- SCE SOUTHERN CALIFORNIA EDISON
- UGPS UNDERGROUND PULL SECTION

REVISIONS		DESCRIPTION
No.	DATE	SHEET

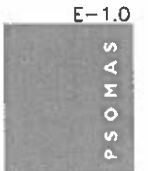
NO.	
JOB NO. PW B040-14	
SHEET	



**MARINE VISTA PARK
ELECTRICAL DEMOLITION PLAN**

GRAPHIC SCALE: 0 1 2 3 4 5 6
PAGE: 3 OF 5

ELECTRICAL DEMOLITION PLAN



3 HUTTON CENTER DR. STE. 200
SANTA ANA, CA 92707

DRAWING NO: B-451



Response to Letter of Request for Short Circuit Current Value for Panel Sizing and Protection Coordination

Disclaimer:
Utility distribution systems are dynamic, and the electrical characteristics of the system can vary significantly due to abnormal conditions, upgrades, modifications, and temporary or permanent reconfigurations.

The values provided below are maximum Short Circuit values, based on current system conditions. The available Short Circuit value may change without notice due to the dynamic nature of the distribution system. Therefore, SCE does not recommend these values to be used in Arc Flash assessments.

SCE recommends that all electrical work on the service panel main breaker should be done in a de-energized condition to eliminate arc flash hazard at this location.

To: Customer: **Yuri B. Jarama** Phone: 714-731-7373
 Address: 3 Horton Center Dr, Suite 200 Fax: 714-528-8985
 City, Zip: Santa Ana, CA 92707 Email: yjarama@scg.com

From: Southern California Edison (SCE) - Engineering & Technical Services - Field Engineering
 Engineer: **Charles S. Smith** Title: 310-528-3231
 Address: 1928 Canyon St Fax: 310-528-5121
 City, Zip: Canyon, CA 92722 Email: csmith@scg.com

Subject: Southern California Edison's Contribution to Short Circuit Current at the Point-of-Connection of the SCE's Service Conductors to the Customer's Service Entrance Facilities (see drawing above)

Project Name: **City of Vista Park - Marina Vista Park**
 Address: 3336 S. Hill St.
 City, Zip: Vista, CA 92081
 Structure #: 05124222

(1) The voltage of the service conductors to be utilized for this project will be 480V, 3 phase, 3 wire, 3 phase, 4 wire, 3 phase ground.

(2) SCE's contribution to Short Circuit Current, at the time of estimation, is approximately 825 Amperes (3-phase) and 880 Amperes (1-phase ground). This 3-phase K₁₈ = 0.44 and the phase ground K₁₈ = 0.82.

Service Conductors: 1 line of 220 kcmil (E) (3)
 Distance from Transformer: 25 feet
 Transformer: 150 kVA, 34.5 kV/480V, 3 phase, 3 wire, 3 phase, 4 wire, 3 phase ground
 Boosting Transformer Non Transformer

Form Number: 1171 (08)

REVISIONS	NO.	DATE	DESCRIPTION



MARINE VISTA PARK ELECTRICAL SITE PLAN

GRAPHIC SCALE: 1" = 10'

FIELD BOOK PAGE NO. 4 OF 5

NO. JOB NO. PW 8040-14 SHEET 4 OF 5

DATE: 3/5/2010

DRAWING NO: B-4511

(N)10KVA 4160V PRIMARY/ 120/240, 16 PAD MOUNT TRANSFORMER. SEE SPECIFICATION SECTION 261200

1

2" C, 2#6 + GND, SKV TO (N) TRANSFORMER AT RESTROOMS. SEE SINGLE LINE DIAGRAM FOR DETAILS. (APPROX. +/- 350', FIELD VERIFY)

2

NEW FUSED LOAD INTERRUPTER SWITCHGEAR PER SPECIFICATION SECTION 261316

NEW METAL CLAD SWITCHBOARD PER SPECIFICATION SECTION 261313

SEE STRUCTURAL DRAWINGS FOR REQUIRED CLEARANCES, NEW FENCE, POSTS, SLAB AND ANCHORING OF SWITCHBOARD

TRANSITION SECTION
OLD SERVICE METER BAY
CENTRAL POWER TRANSFORMER/
VOLTAGE TRANSFORMER/MAIN
UPS

(N) GROUND WELL
A
ET. 2

CONNECT GROUND WIRE WITH OZ-ZEDNY TYPE "MG" FOR CABLE TO FENCE POST. TYPICAL TO ALL NEW FENCE POSTS.

(N) 1/2" O BARE COPPER CONNECT TO (E) GROUND GRID (TYP)

CONNECT TO NEW SWITCHBOARD GROUND BUS. SEE SPECIFICATION SECTION 260526

3" C, 3#6 + GND, 5KV

(E) POST (TYP)

(N) POST (TYP)

(E) POST (TYP)

(E) GROUND WELL

(E) FEEDERS

INTERCEPT (E) CABLES AND SPLICE INSIDE HOFFMAN ENCLOSURE. SEE SPECIFICATION SECTION 260513 FOR MEDIUM VOLTAGE CABLES AND SPLICING.

PROVIDE NEMA 12 STAINLESS STEEL ENCLOSURE, HOFFMAN OR EQUAL (90"Hx72"Wx36"D), PLACED ABOVE (E) FEEDERS SERVING NORTHSIDE AND SOUTHSIDE. ANCHOR ENCLOSURE TO (E) SLAB. SEE STRUCTURAL CALCULATIONS AND DETAIL.

(2) 4" C.O., WITH ENCASEMENT PER SCE STANDARDS & ROUTING OF CONDUITS PER SCE DRAWING JOB NO. 246215-1

(E) TOP OF CURB (E) BACK OF WALK

ABANDONED CONDUIT FROM DEMOLITION

RISER PER SCE REQUIREMENTS. COORDINATE EXACT LOCATIONS OF NEW CONDUITS WITH SCE. ALL WORK WITHIN SCE ENCLOSURE SHALL BE PERFORMED BY SCE APPROVED CONTRACTOR.

ALL WORK WITHIN SCE ENCLOSURE SHALL BE PERFORMED BY SCE APPROVED CONTRACTOR. ALL OTHER WORK RELATED TO OPERATION/DISCONNECTION/INSTALLATION OF SKV SYSTEM SHALL BE PERFORMED BY A HIGH VOLTAGE CERTIFIED CONTRACTOR.

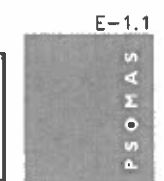
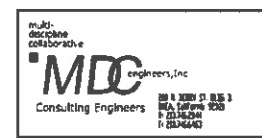
NOTE: ALL ELECTRICAL DUCTS AND STRUCTURES SHALL CONFORM TO GENERAL ORDER #126 (RULES FOR CONSTRUCTION OF UNDERGROUND ELECTRICAL SUPPLY AND COMMUNICATION PRESCRIBED BY THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA, JANUARY 2006). SEE SCE B DRAWINGS, DESIGN #246215_1, FOR SCE REQUIREMENTS. SCE CONTACT: JEFFREY BERRY-(562)881-8240

E ELIOT STREET

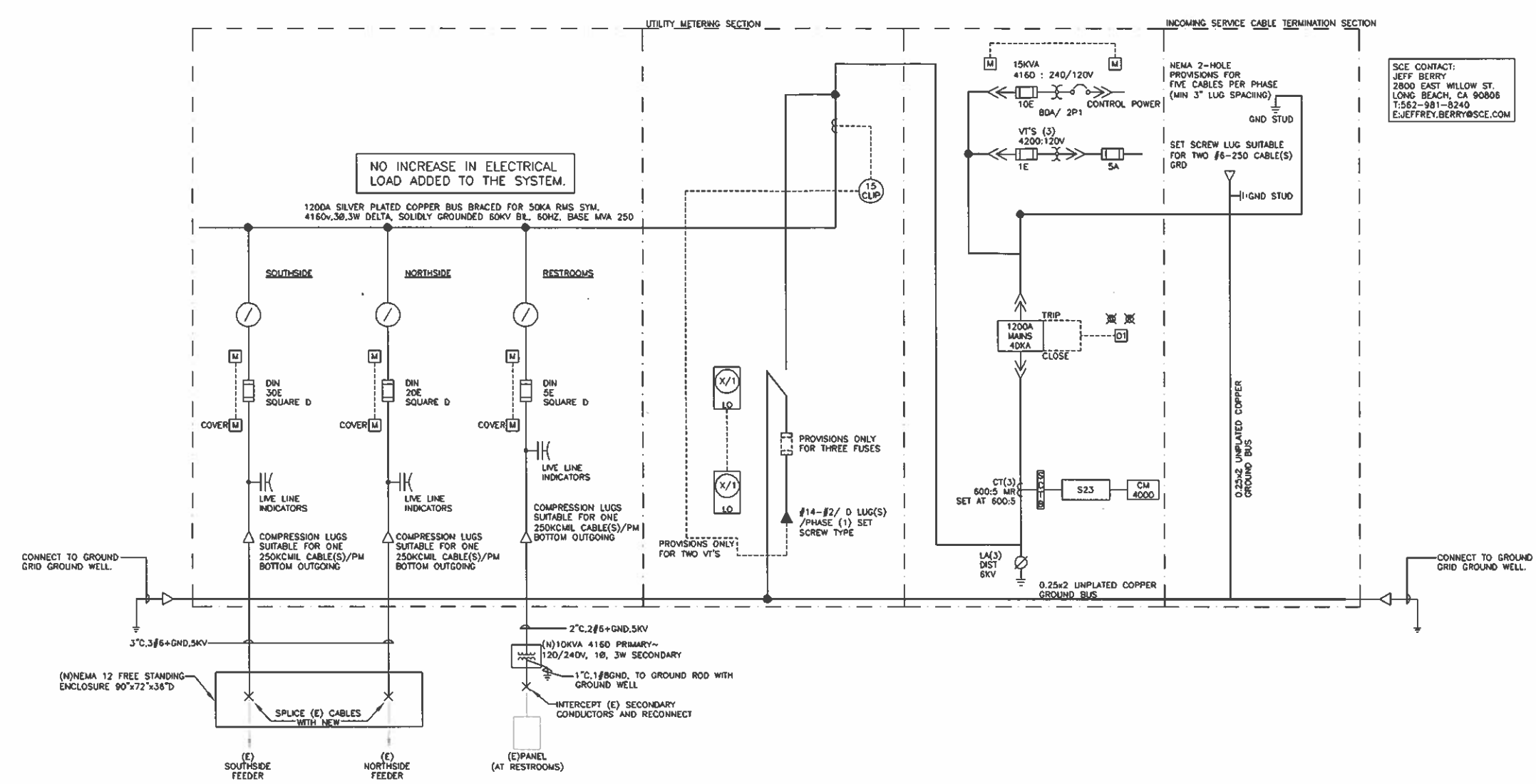
ELECTRICAL SITE PLAN



GRAPHIC SCALE
Note: For reduced sized prints, slight scale in inches



3 HUTTON CENTER DR, STE. 200 SANTA ANA, CA 92707

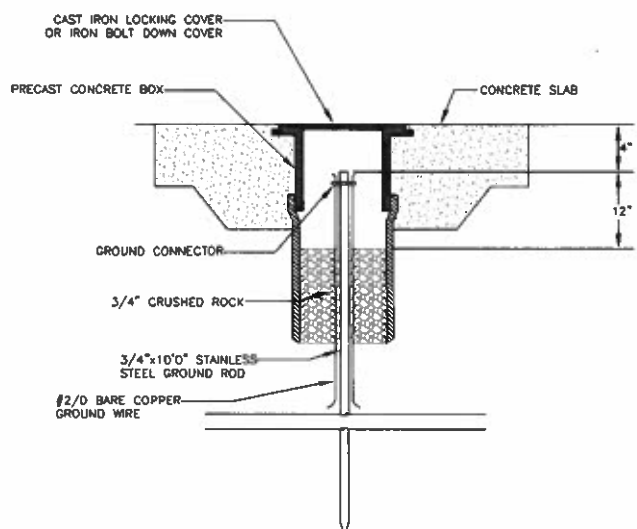


SCE CONTACT:
 JEFF BERRY
 2800 EAST WILLOW ST.
 LONG BEACH, CA 90806
 T:562-981-8240
 E:JEFFREY.BERRY@SCE.COM

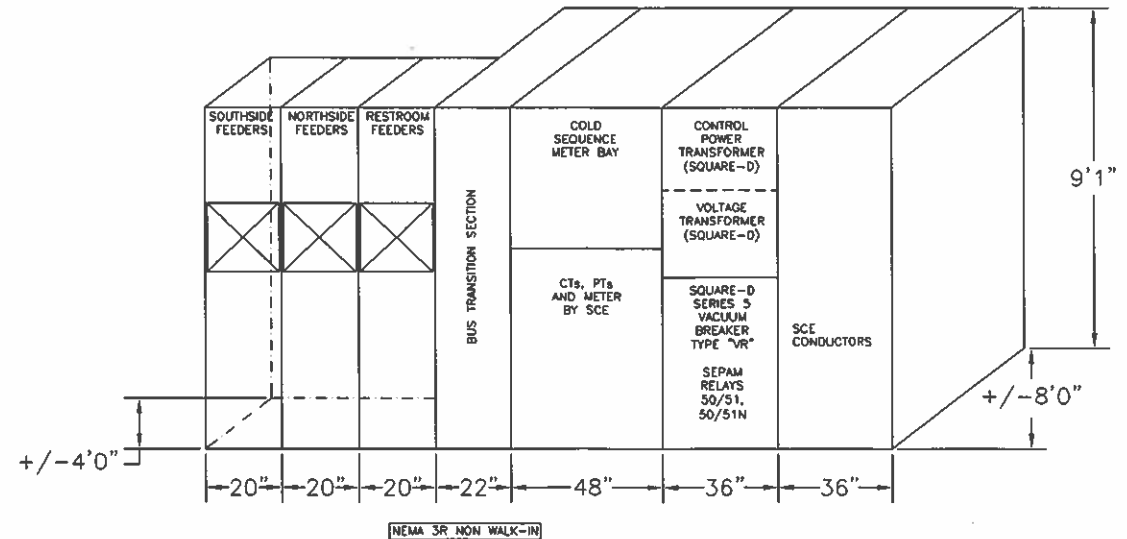
NO INCREASE IN ELECTRICAL LOAD ADDED TO THE SYSTEM.

1200A SILVER PLATED COPPER BUS BRACED FOR 50KA RMS SYM.
 4160V, 3Ø, 3W DELTA, SOLIDLY GROUNDED 60KV BIL, 60HZ, BASE MVA 250

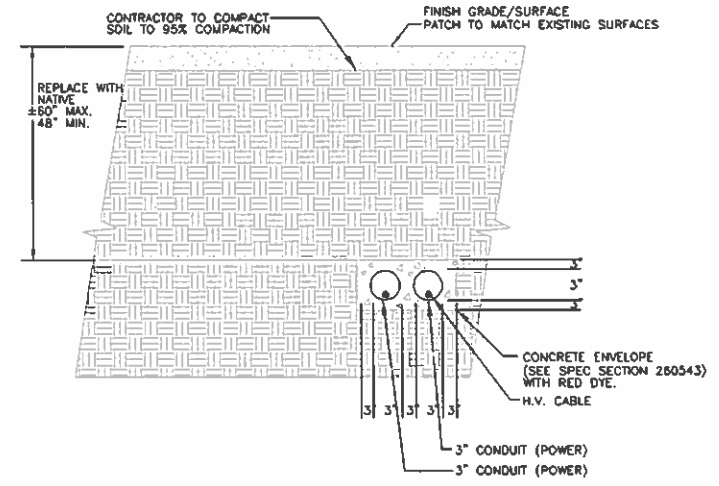
1 SINGLE LINE DIAGRAM
 E1.2 SCALE: N.T.S.



4 GROUND WELL DETAIL
 E1.2 SCALE: N.T.S.



3 FRONT VIEW ELEVATION
 E1.2 SCALE: N.T.S. SEE SPEC SECTION 261313 & 261316



2 CONDUIT TRENCH SECTION
 E1.2 SCALE: N.T.S.

REVISIONS		REVISIONS	
No.	DATE	No.	DATE
1	08/30/09		

DESCRIPTION	SHEET
DESCRIPTION	SHEET
DESCRIPTION	SHEET
DESCRIPTION	SHEET

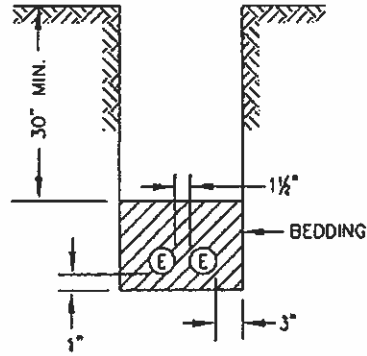
AS-BUILT:	DWG.
REF. DWG.	DWG.
DWG.	DWG.

MARINE VISTA PARK
ELECTRICAL SINGLE LINE DIAGRAM
AND DETAILS

NO.	
JOB NO. PW B040-14	
SHEET	5 of 5

PSOMAS

3 HUTTON CENTER DR. STE. 200
 SANTA ANA, CA 92707



TYPICAL CONDUIT BANK SECTION
SEE UGS CD 120

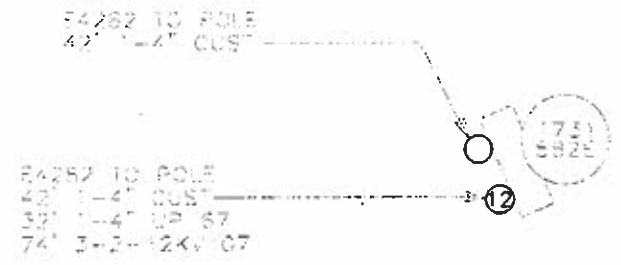
241
153

DIRECT BURIAL
SIMILAR CONSTRUCTION FOR FEWER CONDUIT
2 CONDUITS MAX.

DOB: Rev. 10/30/05

NOTE:
ALL ELECTRICAL DUCTS AND STRUCTURES WILL
CONFORM TO GENERAL ORDER #128 (RULES FOR
CONSTRUCTION OF UNDERGROUND ELECTRICAL
SUPPLY AND COMMUNICATION PRESCRIBED BY THE
PUBLIC UTILITIES COMMISSION OF THE STATE
OF CALIFORNIA, JANUARY 2006).

1 EX: E5134282 ENCLOSURE
12' x 20' CUSTOMER ENCLOSURE
3/50/12KV TO 4KV
IN: 3 200 AMP ELBOWS
IN: 35 3/C #2XLP JACKETED - 4KV
IN: ZMTR 921 & 925
IN: INDOOR POTHEADS
RM: 30' 3/C #2XLP - 4KV
RM: ZMTR 921 & ZMTR 925

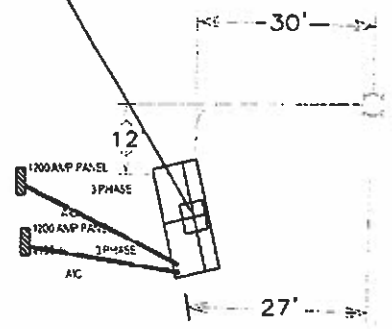


CONNECTING TO EXISTING SCE STRUCTURES

- Per SCE requirements, customers are not allowed to enter, intercept or tie-in to existing SCE structures, equipment or conductors. This work will only be performed by SCE. Contact the appropriate SCE inspector to schedule an appointment. Customers may connect to an existing duct stub without a SCE inspector present.
- Per CPUC/SCE's Rule 15 B.1.A and Rule 16 D.1.A., the customer will provide all necessary excavations (with the exception of excavation under pads and primary splice boxes), material (including conduit and structures) and encasement, to be utilized in the intercept/tie-in process.
- The customer must adhere to all applicable Cal-OSHA, local, city, state and federal regulations, (including, but not limited to, all necessary shoring and traffic control in place to perform the intercept/tie-in work by SCE's underground civil contractors(s))
- Intercept/tie-in work must be coordinated with SCE's civil contractors through the Division Inspector/CCM to limit exposure of excavation(s). Customer is responsible for securing excavation(s).

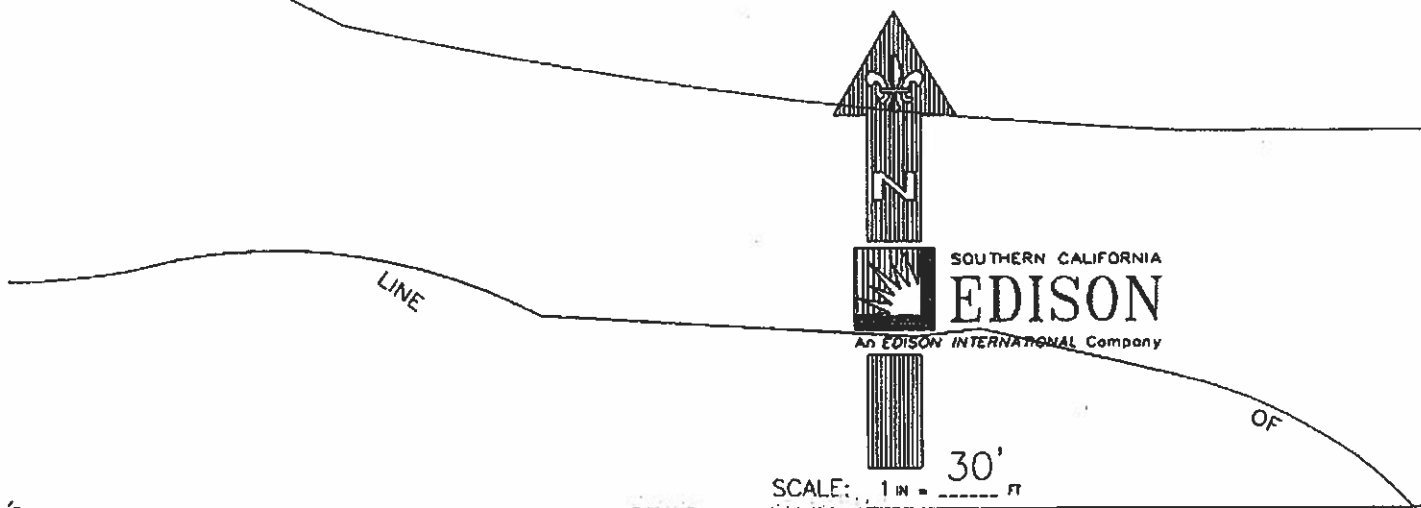
NEW 1200 AMP PANEL 4160V
FED BY 30' OF 2-4\"/>

EXISTING 1200 AMP PANEL 4160V
FED BY 2-4\"/>



E5134282 57
12'X20'
3/50/12
1780620707
1780630707
1780640707
120/240

DOB: 12/10/07



DISTRICT 46 - LONG BEACH		PROJ. MGR. PHONE		PLANNER BERRY, JEFFREY A PHONE 562-981-8240	
FOREMAN		TRUCK NO.	P/E	INVENTORY MAP NO. 2977D1	THOMAS GUIDE
CSD 140 Y <input type="checkbox"/> N <input type="checkbox"/>	BY-PASS CODE	EXISTING CHANGE TO	TLM CHECKED	%LOAD	J.P.A. NO.
PRODUCT/SAP NO. 411518-METER SERVICE CHANGE		PRODUCT/SAP NO.		PRODUCT/SAP NO.	
PROPOSED CONSTRUCTION (LOCATION)					
5355 ELIOT LONG BEACH					
SHEET				JOB NO.	
Southern California Edison Company				246215_1	

ST