

ENCROACHMENT PERMIT
General Permit
 City of Riverside - Public Works Dept.
 951-826-5341

Issuance of this permit shall not be construed as a waiver of any other applicable permit or requirement, and is only revocable permission to use the land for the purpose described.

Owner: SOCALGAS
Location: VARIOUS LOCATIONS THROUGH OUT CITY
A.P.N.:
Encroachment: INSTALL 26 FT. HIGH AGL CONCRETE POLES IN THE PUBLIC RIGHT OF WAY THROUGH OUT THE CITY.

The above-described encroachment being shown on Exhibit A attached hereto.

Upon issuance of this permit, I agree to comply with the attached terms and conditions.

Date: 3/28/17

By: [Signature]

Date: 3/28/17

By: Derek Simpson

Applicant
 SOCALGAS
 555 W. 5TH STREET GT28B4
 LOS ANGELES, CA. 90013
 213-244-2201
 OLIVIA GUTIERREZ 909-518-9532

Contractor/Developer

ENCROACHMENT PERMIT APPROVAL

This permit has been reviewed and approved by the Departments listed below, provided the attached terms and conditions are adhered to:

- P/W ENGINEERING
- P/W TRAFFIC
- P/U WATER
- P/U ELECTRIC
- P/W CONSTRUCTION/INSPECTION
- P/W LANDSCAPE & TREES

FINAL APPROVAL

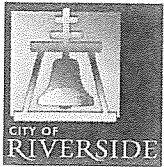
Date: 3/27/17

[Signature]
 City Engineer

THIS PERMIT IS NOT VALID UNTIL ISSUED AND POSTED IN CITY RECORDS

Issued By: [Signature]

Dated: 3/28/17



City of Riverside

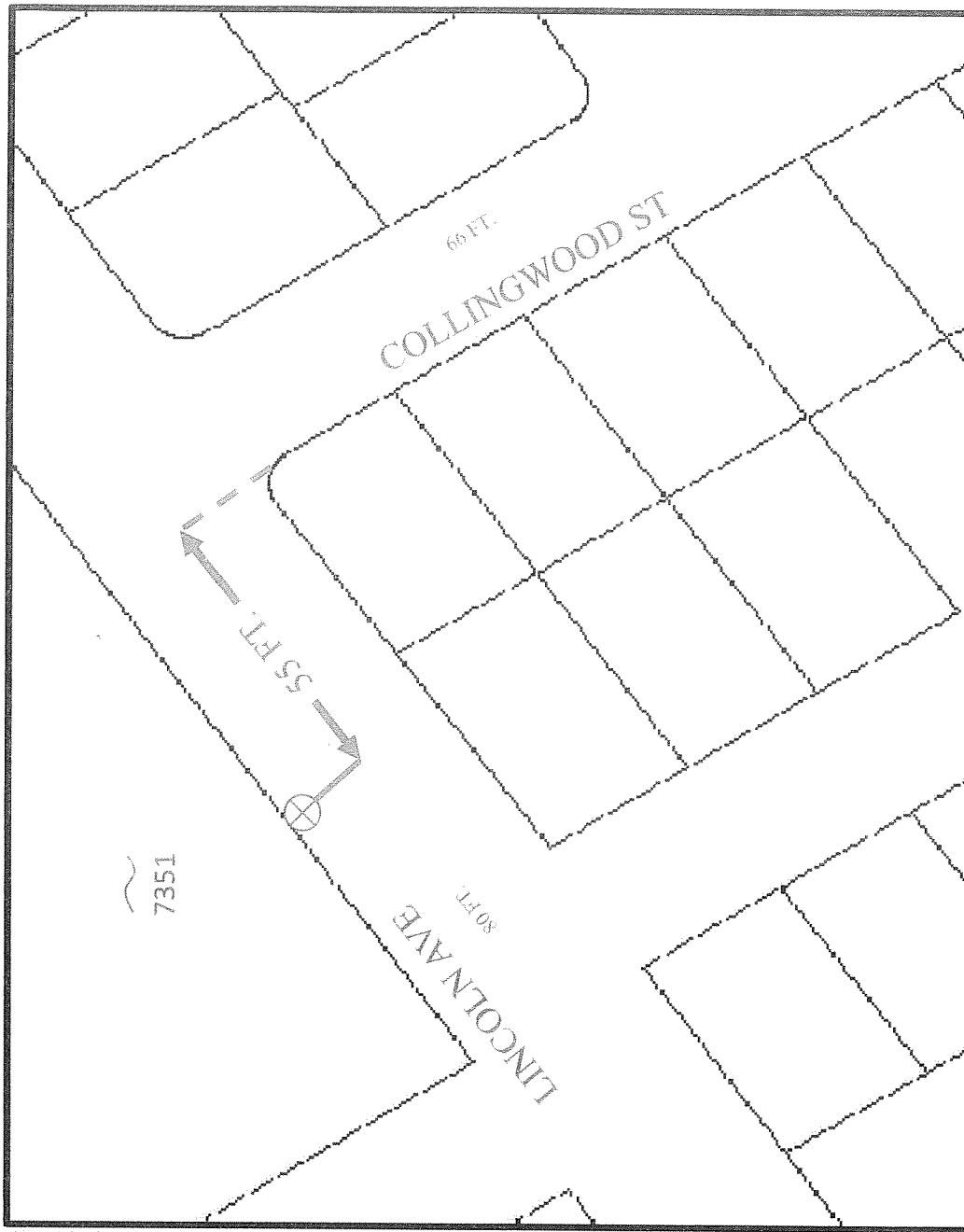
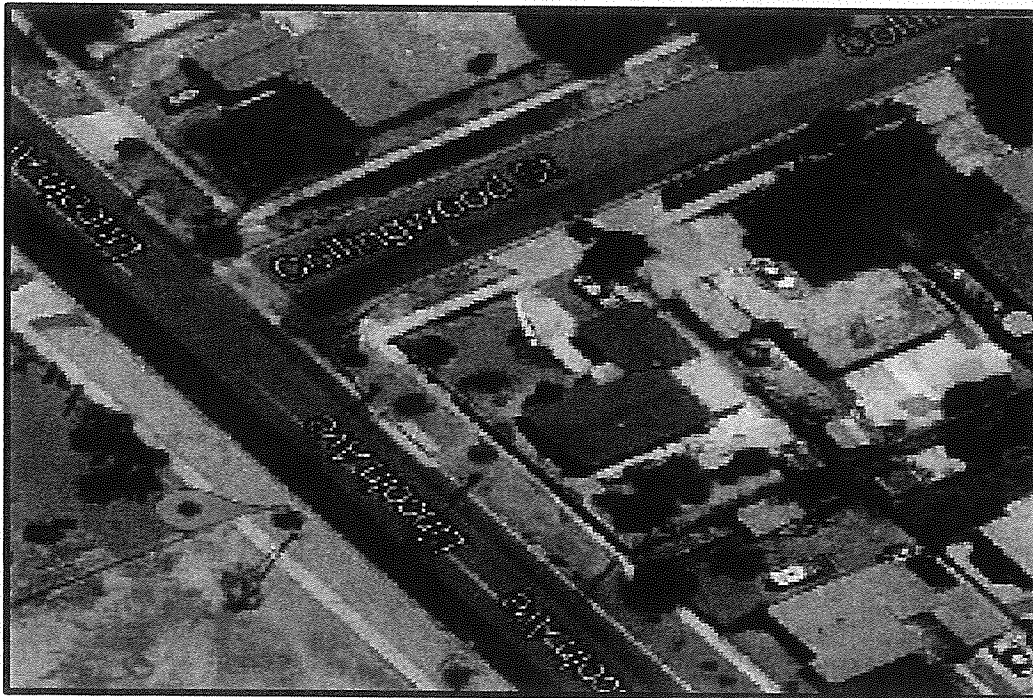
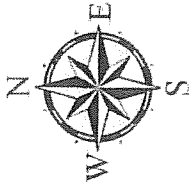
The following are requirements that need to be met for your permit #PW17-0121.

- 1 4' MINIMUM ADA CLEARANCE AROUND ALL POLES. NEW SIDEWALK MUST BE INSTALLED WHERE ADA CLEARANCE IS NOT MET.
- 2 Permittee acknowledges that the area of encroachment is owned or controlled by the City of Riverside.
- 3 Permittee acknowledges that the described property could be needed for a proposed or planned public improvement and the City may revoke this permit. Upon written notice of revocation, the permittee shall, within the time prescribed by the City, remove all improvements placed, constructed or maintained. If the permittee fails to abide by the removal order of the City, the City shall have the right to remove and destroy the improvements without reimbursement to the permittee. The cost of such removal shall be paid by the permittee to the City and shall constitute a debt owed to the City.
- 4 Permittee waives the right of claim, loss, damage or action against the City resulting from revocation, termination, removal of improvements or any action of the City, its officers, agents or employees taken in accordance with the terms herein.
- 5 If the Public Works Director of the City of Riverside finds that the permittee is in default of the terms of this permit, that shall be cause for revocation.
- 6 Permittee herewith agrees to hold the City of Riverside harmless from and against all claims demands, costs, losses, damages, injuries, actions for damages and/or injuries, and liability in connection with the construction, encroachment, and/or maintenance to be done by permittee within the described property.
- 7 Prior to any construction taking place on City controlled property, permittee shall obtain a Construction Permit or Street Opening Permit from the City Public Works Department.
- 8 The permittee agrees to insure that construction of their improvements will not interfere in any way with any existing City or utility facilities.
- 9 Permittee acknowledges that existing city or utility facilities will require future maintenance, reconstruction, and revisions and that facilities may be added, any of which may result in removal or alteration of the permittee's improvements without reimbursement to the permittee.
- 10 Prior to construction, permittee shall contact Underground Service Alert to field locate existing utility lines. Any conflicts discovered will void the permit until acceptable revisions are made. It shall be Permittee's responsibility to determine the location and required clearances from all public and private utility, sewer and drainage facilities prior to drilling and shall only drill in compliance with such clearance requirements.

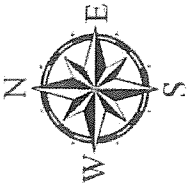
E17-0121

- 11 Permittee is required to obtain all necessary permits and approvals from all City Departments and/or Agencies, City or otherwise, prior to constructing the improvements specified in this Encroachment Permit and to comply with all codes, laws, ordinances and regulations.
- 12 Site KH6281-B and KH6245-B may obstruct the view of street sweeping signs. Please relocate existing street sweeping sign and attach to new pole as to maintain visibility.
- 13 Poles shown to be placed 18" from back of curb must follow the street light standard attached.

SITE ID: KH6247-B
 ON LINCOLN AVE: EAST OF 7351 LINCOLN AVE.
 RIVERSIDE, CA 92504
 THOMAS BROS. PAGE: 715-E4



SCG TO INSTALL A 26 FT. AGL CONCRETE POLE
 55 FT. SOUTH OF THE SOUTH CURB FACE OF COLLINGWOOD ST.
 AND
 2 FT. WEST OF THE WEST CURB FACE OF LINCOLN AVE.

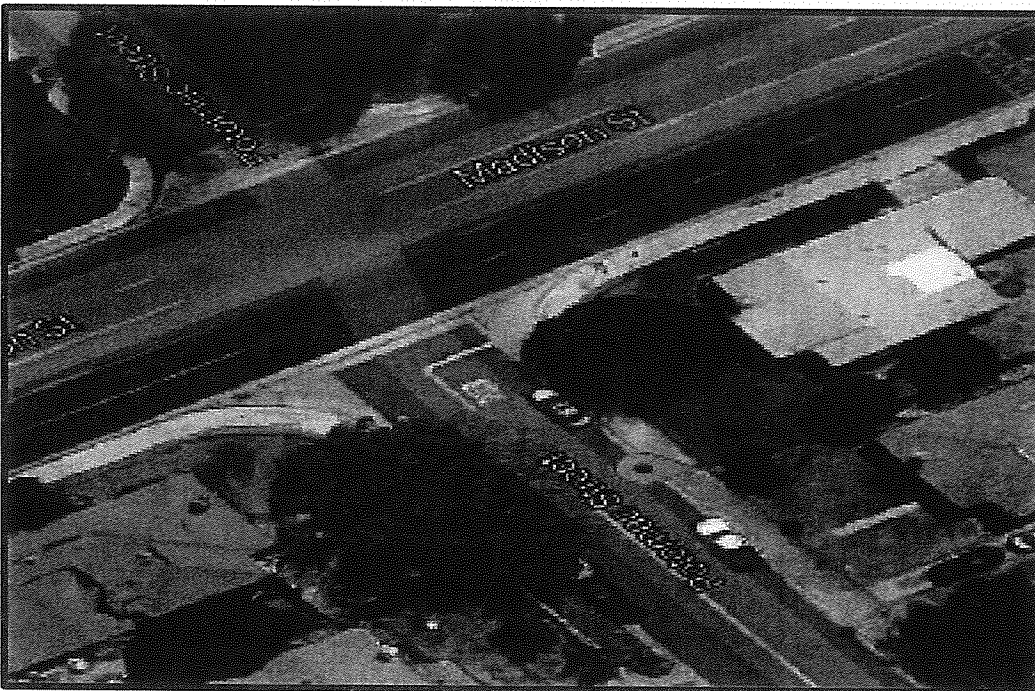
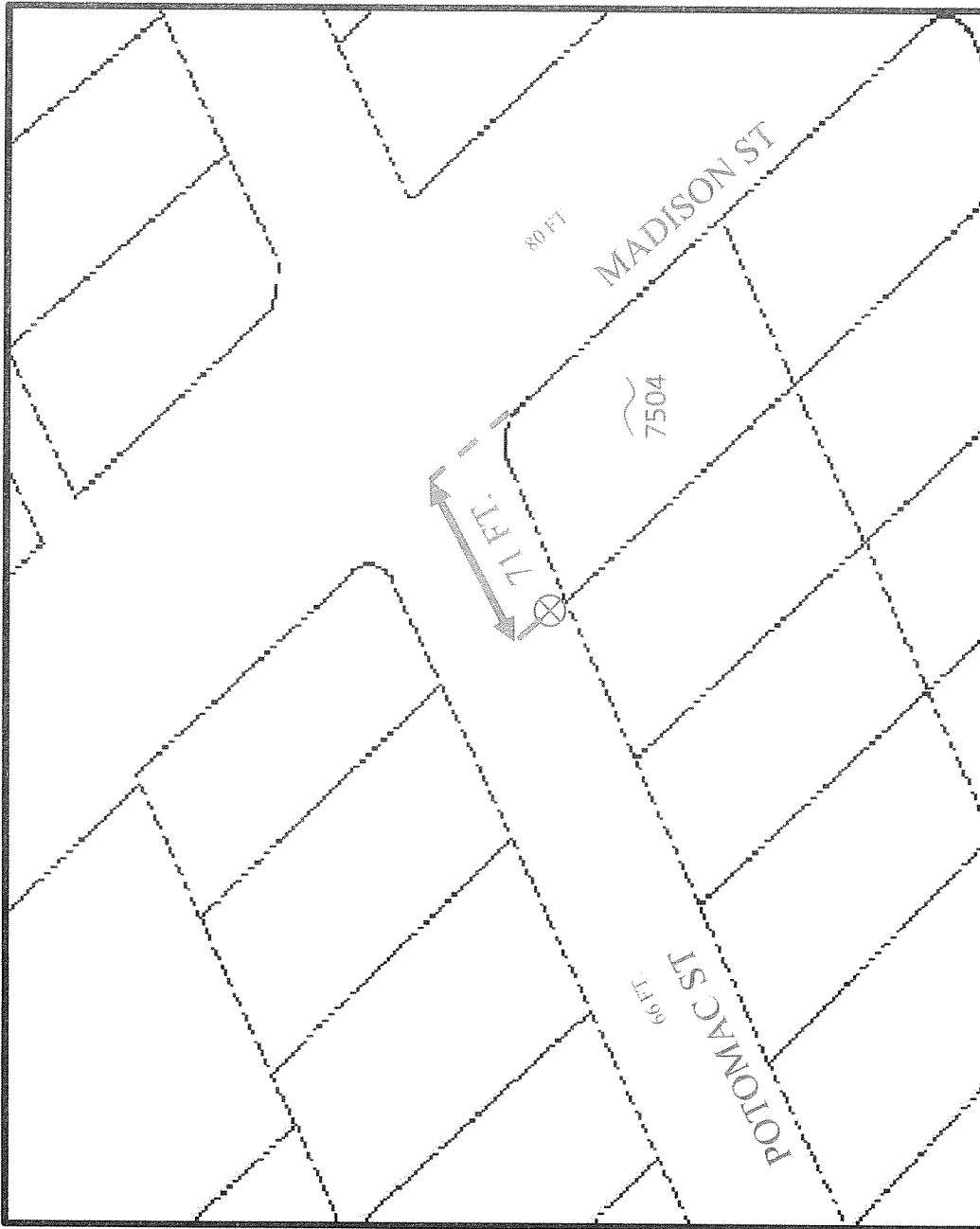


SITE ID: KH6246-B

ON POTOMAC ST. NORTH OF 7504 POTOMAC ST.

RIVERSIDE, CA 92504

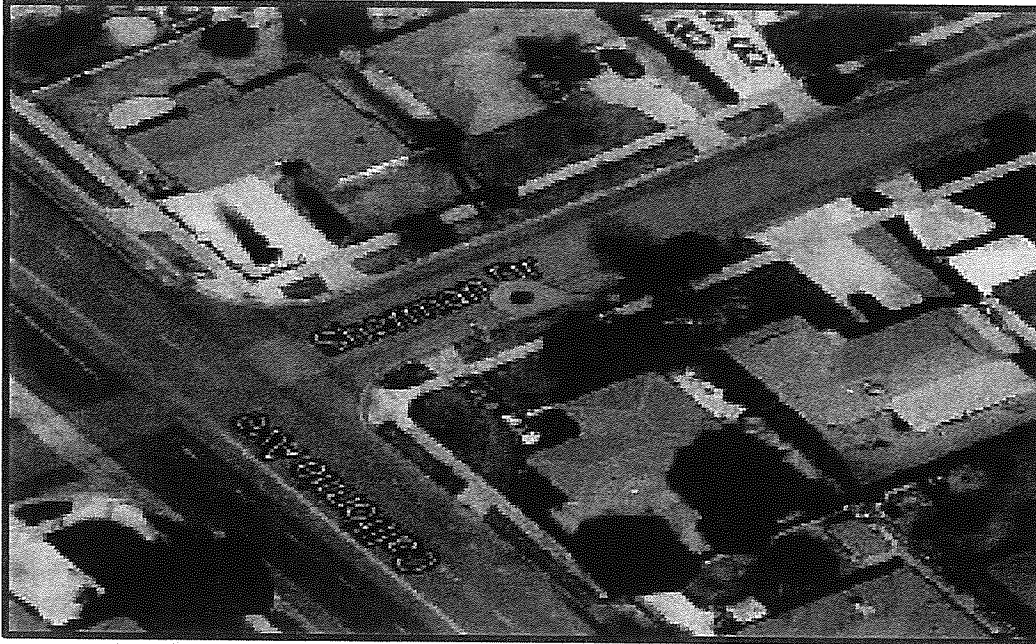
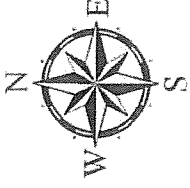
THOMAS BROS. PAGE: 715-D3



SCG TO INSTALL A 26 FT. AGL CONCRETE POLE
 71 FT. WEST OF THE WEST CURB FACE OF MADISON ST.
 18" AND (Back of curb)
 24" SOUTH OF THE SOUTH CURB FACE OF POTOMAC ST.

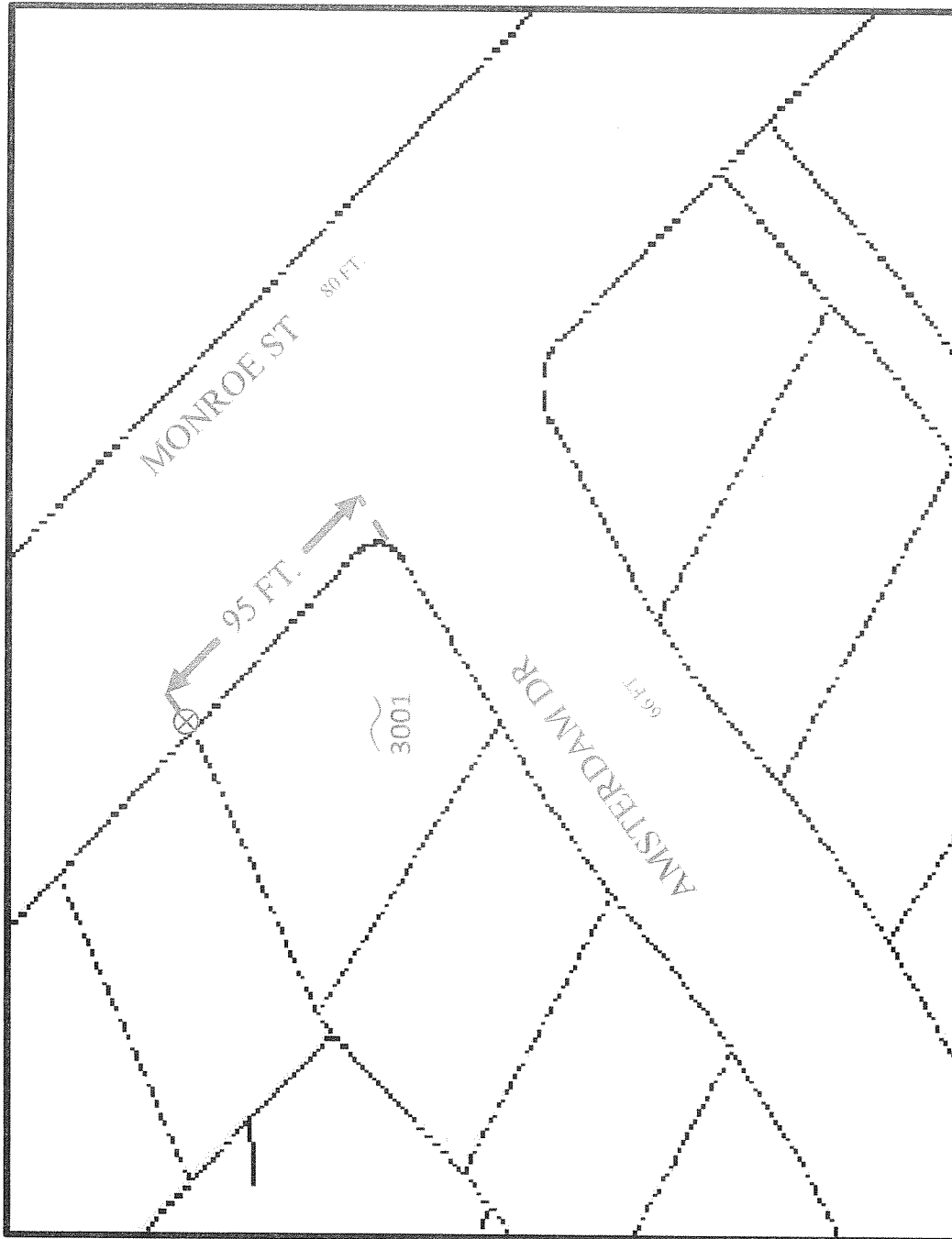
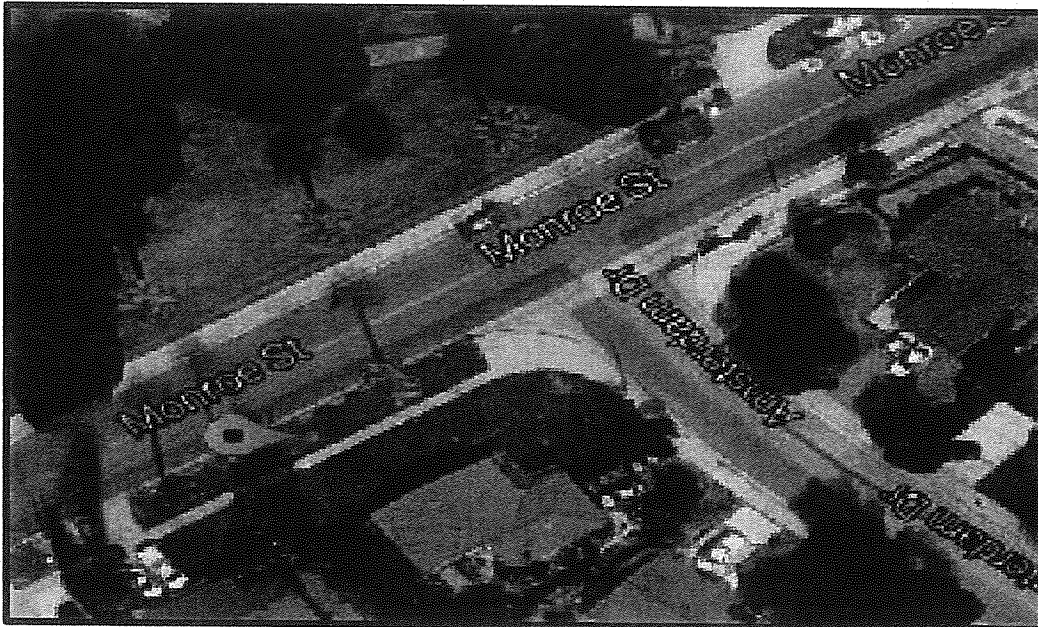
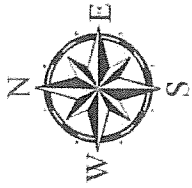
E17-0121

SITE ID: KH6245-B
 ON SHERMAN DR; EAST OF 4182 SHERMAN DR.
 RIVERSIDE, CA 92503
 THOMAS BROS. PAGE: 714-J4



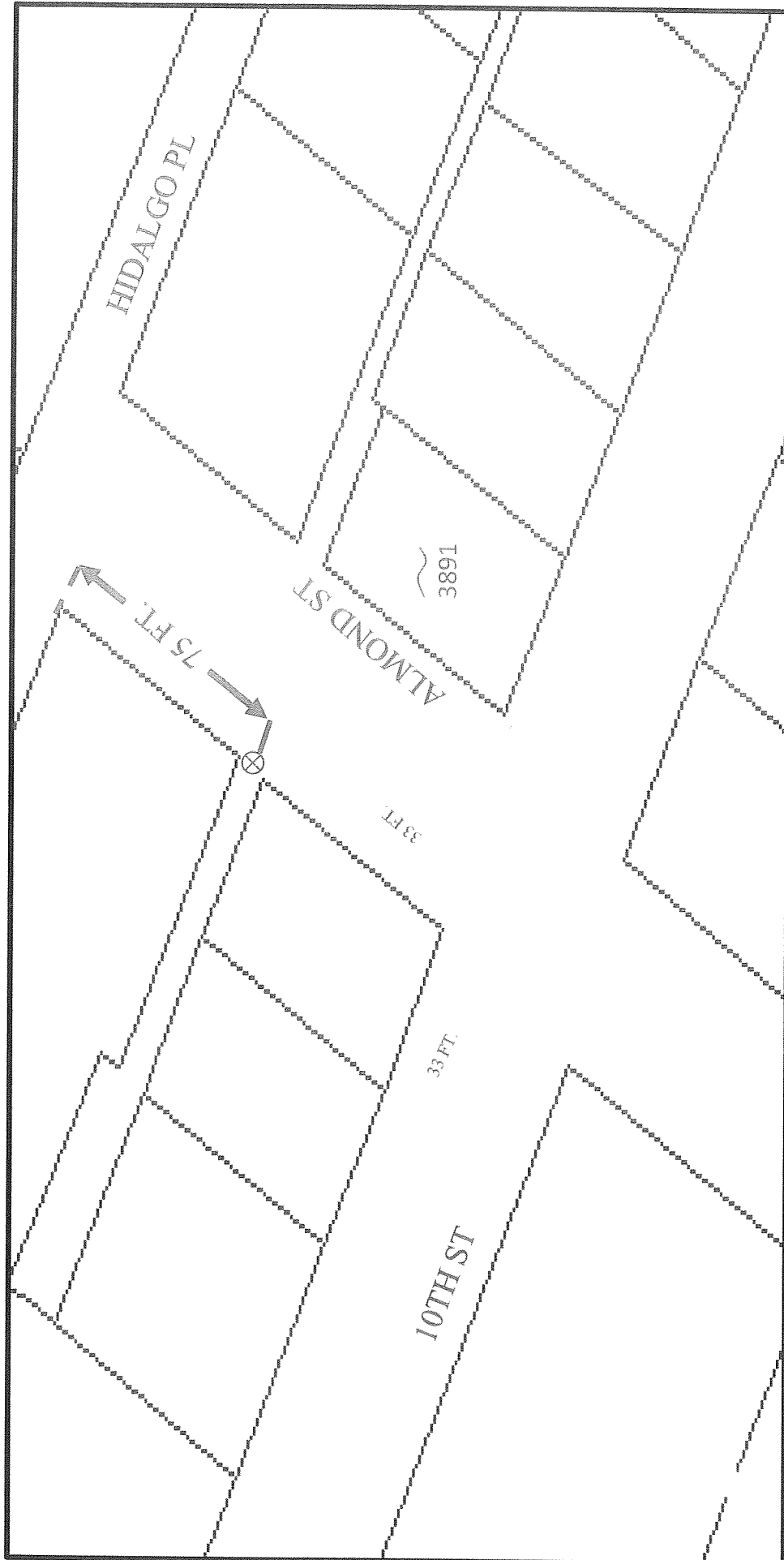
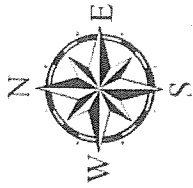
SCG TO INSTALL A 26 FT. AGL CONCRETE POLE
 92 FT. SOUTH OF THE SOUTH CURB FACE OF CALIFORNIA AVE.
 AND
 2 FT. WEST OF THE WEST CURB FACE OF SHERMAN DR.

SITE ID: KH6244-B
 ON MONROE ST. EAST OF 3001 AMSTERDAM DR.
 RIVERSIDE, CA 92504
 THOMAS BROS. PAGE: 715-B6

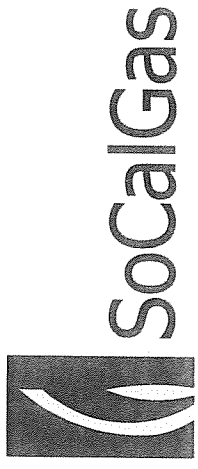


SCG TO INSTALL A 26 FT. AGL CONCRETE POLE
 95 FT. NORTH OF THE NORTH CURB FACE OF AMSTERDAM DR.
 AND
 2 FT. WEST OF THE WEST CURB FACE OF MONROE ST.

SITE ID: KH6280-C
 ON ALMOND ST: WEST OF 3891 10TH ST.
 RIVERSIDE, CA 92501
 THOMAS BROS. PAGE: 685-G4



SCG TO INSTALL A 26 FT. AGL CONCRETE POLE
 75 FT. SOUTH OF THE SOUTH CURB FACE OF HIDALGO PL.
 AND 18"^W (BACK OF CURB)
 33 FT. WEST OF THE WEST CURB FACE OF ALMOND ST.



A Sempra Energy utilities®

CITY:
COUNTY:
JURISDICTION:
SITE NUMBER/ID:
SITE TYPE:

(N) 26.3' A.G.L. CONCRETE POLE
SOLAR POWER, EMBEDDED

REV#	DATE	REVISIONS
1	05/03/18	ISSUED BY JAVIER A.J.

PROPRIETARY INFORMATION
THIS DOCUMENT IS THE PROPERTY OF SocalGas AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE EXPRESS WRITTEN PERMISSION OF SocalGas.



ADVANCED METER
THE GAS COMPANY TOWER
LOS ANGELES, CA 90013

PROJECT INFORMATION

26.3' CONCRETE POLE
SOLAR EMBEDDED

SHEET TITLE

TITLE SHEET

LICENSE/URE

DATE
ISSUED BY JAVIER A.J.
CHECKED BY JAVIER A.J.
SCALE: AS SHOWN
SHEET NUMBER
REGION

T-1
1

SHEET INDEX:

SHEET NO.	DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
A-1	ELEVATIONS
A-2	EQUIPMENT DETAILS
A-3	MOUNTING DETAILS
A-4	MATERIALS LIST
E-1	ELECTRICAL DIAGRAM

PROJECT SUMMARY:

SITE ADDRESS:
VARIOUS

APPLICANT:
SOUTHERN CALIFORNIA GAS CO.
395 W. 5TH ST., SUITE 3RD, LOS ANGELES, CA 90013
LINDA HONG, PROJECT MANAGER
PHONE: (213) 244-3393

PROPERTY OWNER:

PUBLIC RIGHT OF WAY:

LATITUDE: XX.XXXXXX

LONGITUDE: -XX.XXXXXX

OCCUPANCY CLASSIFICATION: UTILITY / WIRELESS ANTENNA

ZONING CLASSIFICATION:

CONSTRUCTION TYPE:

PROJECT DESCRIPTION:
SOUTHERN CALIFORNIA GAS CO. PROPOSES TO INSTALL A CLARA EQUIPMENT MOUNTED ON A NEW CONCRETE POLE 26'-3" ABOVE GROUND LEVEL.

CONSULTING TEAM:

SAC/ZONING/PERMITTING:
SOUTHERN CALIFORNIA GAS CO.
LINDA HONG, MGR. FLOOR
LOS ANGELES, CA 90013
PHONE: (213) 244-3393

CONTRACTOR:
HEWLETT & MCCOY
2446 PICUS STREET
LOS ANGELES, CA 90013
PHONE: (909) 210-7880
FAX: (909) 548-6664
CONTACT: DARLENE CASTILLO
DATE: 08-14-14

APPROVALS:

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ANY CHANGES OR MODIFICATIONS TO THESE DOCUMENTS MUST BE APPROVED BY THE BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATIONS THEY MAY INCUR.

PRINT NAME	SIGNATURE	DATE
LANDLORD		
PRECON. MGR		
DEVELOP. MGR		
CONST. MGR		
PROJECT MGR		
SR. PE ENGINEER		
PE ENGINEER		
OPERATIONS		
SAC REP		



VICINITY MAP
NOT TO SCALE

REVISION HISTORY

REVISIONS: NONE
REVISIONS: NONE

PERMIT #:

APPLICABLE CODES:

- CALIFORNIA ADMINISTRATIVE CODE
- 2013 CALIFORNIA BUILDING CODE
- UNIFORM MECHANICAL CODE
- 2013 CALIFORNIA PLUMBING CODE
- 2013 NATIONAL ELECTRIC CODE
- 2013 CALIFORNIA ELECTRICAL CODE
- CITY/COUNTY ORDINANCES

E17-0121

NO.	DATE	REVISIONS	BY
1	02/20/15	ISSUED BY	A.J.

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NO.	DATE	REVISIONS	BY
1	02/20/15	ISSUED BY	A.J.

PROPRIETARY INFORMATION
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ADVANCED METER
 THE GAS COMPANY TOWER
 LOS ANGELES, CA 90013

PROJECT INFORMATION
26' 3" CONCRETE POLE
SOLAR, EMBEDDED

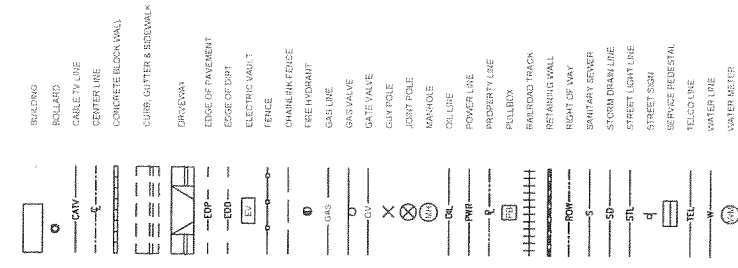
SHEET TITLE
GENERAL NOTES & SYMBOLS

LICENSEURE

DESIGNER	J.M.
CHECKED BY	J.M.
SCALE	AS SHOWN

SHEET NUMBER	T-2
REVISION	1

STANDARD SYMBOLS



CONFLICTS

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING ANY MATERIALS OR ALLOWED DUE TO DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED IN THE CONSTRUCTION DRAWINGS. ANY SUCH DISCREPANCY SHALL BE REPORTED TO THE OWNER FOR CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREAS.
- THE OWNER, IF AWARDED THE CONTRACT, WILL NOT BE ALLOWED ANY DISCREPANCY WHICH BEGGER MIGHT HAVE FULLY PROVIDED THEMSELVES PRIOR TO THE BIDDING.
- NO PLA OF OBSTACLE OF CONDITIONS THAT EXIST, OR OF ANY DIFFICULTIES OR CONDITIONS THAT MAY BE ENCOUNTERED OR OF ANY OTHER MATTER IN THE EXECUTION OF THE WORK WILL BE ACCEPTED AS EXCUSE TO OBTAIN FACTS OR OPINION ON THE PART OF THE CONTRACTOR TO AVOID THE CONSEQUENCES OF THE CONTRACT DOCUMENTS GOVERNING THE WORK.

STRUCTURAL NOTES

- DESIGN CRITERIA:
 2013 CALIFORNIA BUILDING CODE.
 ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS
 INTERNATIONAL BUILDING CODE (IBC) 2012
 2012 UFGA STANDARD SPECIFICATIONS FOR CONCRETE
 2012 UFGA STANDARD SPECIFICATIONS FOR STEEL
 2012 UFGA STANDARD SPECIFICATIONS FOR WOOD
 2012 UFGA STANDARD SPECIFICATIONS FOR GLASS
- DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY UNUSUAL OR UNFORESEEN CONDITION PRIOR TO CONTINUING WORK IN THE AFFECTED AREA. IF THE CONTRACTOR IS IN DOUBT, OR WHERE THERE APPEARS TO BE A DISCREPANCY BETWEEN THE DRAWINGS AND THE CONDITION IN THE FIELD, THE CONTRACTOR SHALL BE NOTIFIED PRIOR TO CONTINUING THE WORK.
- PORTLAND CEMENT SHALL CONFORM TO ASTM C-150 TYPE II. AGGREGATE FOR STONE CONCRETE SHALL CONFORM TO ASTM C-33. AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C-110. ALL OTHER CONCRETE MIXTURES SHALL BE APPROVED BY THE ENGINEER AND APPROVED FOR ALL OTHER WORK.
- ALL REINFORCING BARS, ANCHOR BOLTS, PRESTRESSING TENDONS AND ALL OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- FOR FOOTINGS, SLABS ON GIRTH AND MASS CONCRETE.

GENERAL NOTES

- IDENTIFICATION CLAUSE: THE CONTRACTOR AGREES AND SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY OF THE JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONNEL AND THE PROTECTION OF ALL UTILITIES, AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, RIGHTS AND CONDITIONS. THE CONTRACTOR FURTHER AGREES TO DEFEND AND HOLD HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THE PROJECT.
- PRIOR TO THE BEGINNING OF ANY CONSTRUCTION AND THROUGHOUT THE COURSE OF CONSTRUCTION WORK, THE CONTRACTOR SHALL FULLY COMPLY WITH ALL APPLICABLE ORDINANCES, REGULATIONS, ORDINANCES AND ORDINANCES ADOPTED BY THE CITY, COUNTY OR STATE AS MODIFIED BY STANDARD PLANS AND ADDENDUM.
- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA AND FEDERAL SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS ADOPTED BY THE CITY, COUNTY OR STATE AS MODIFIED BY STANDARD PLANS AND ADDENDUM.
- THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) BEFORE THE START OF ANY WORK REGARDING THEIR INVOLEMENT.
- ALL THE NEARBY AND STREET UTILITIES CONTROL SHALL BE MAINTAINED AND SPECIFICATIONS FROM THE CITY, COUNTY OR STATE.
- THE CITY, COUNTY OR STATE SHALL SPECIFY THE EXPIRATION PERIOD OF THE PERMIT FOR THIS CONSTRUCTION PROJECT.
- THE MINIMUM COVER FOR ALL CONDITIONS PLACED UNDERGROUND SHALL BE 36 INCHES TO THE FINISHED GRADE AT ALL TIMES.
- 58 INCHES; PLANTS OR TREES THAT HAVE BEEN DAMAGED OR DESTROYED DURING THE COURSE OF THE WORK SHALL BE REPLANTED AND/OR REPAIRED TO 100% TO RESTORE THE WORK SITE TO ITS ORIGINAL CONDITION.
- ALL UTILITIES, SERVICES, CONDUITS AND OTHER TYPES OF SUBSTRUCTURE ARE TO BE MAINTAINED AND PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. ANY AND ALL DEVIATIONS FROM THE SPECIFIED WORK SHALL BE APPROVED BY THE SYSTEM ENGINEER, IN WRITING BEFORE INSTALLATION THEREOF.
- ALL RECONSTRUCTION, REPAIRS, PATCHES AND REPAIRS SHALL BE IMPROVED TO BE RESTORED TO THE SAME OR IMPROVED CONDITION BASED ON GENERAL NOTE NO. 3 ABOVE.

INSURANCE AND BONDS

- THE CONTRACTOR SHALL MAINTAIN THEIR OWN LIABILITY, BODILY INJURY AND PROPERTY DAMAGE INSURANCE. ALL INSURANCE POLICIES SHALL BE PROVIDED AN ORIGINAL CERTIFICATE OF INSURANCE STATING ALL COVERAGE TO THE OWNER.
- THE OWNER SHALL BE NAMED AS AN ADDITIONAL INSURED ON ALL POLICIES.
- REFER TO THE MASTER AGREEMENT FOR REQUIRED INSURANCE LIMITS.

CLEAN UP

- THE CONTRACTOR SHALL AT ALL TIMES KEEP THE SITE FREE FROM ACCUMULATION OF WASTE MATERIALS OR DEBRIS CAUSED BY THEIR OPERATIONS. ALL WASTE MATERIALS SHALL BE REMOVED FROM THE SITE INCLUDING ALL THEIR TOOLS, SCAFFOLDING AND SUPPLUS MATERIALS AND SHALL LEAVE THEIR WORK CLEAN AND READY FOR USE.
- USUALLY EXPOSED EXTERIOR SURFACES AND REMOVE ALL TRACES OF SOIL, OIL, GREASE, SPILLS AND OTHER FOREIGN MATTER.
- REMOVE ALL TRACES OF SPILLED MATERIALS FROM ADJACENT SURFACES.
- IF NECESSARY TO ACHIEVE A HIGHER DEGREE OF CLEANLINESS, MAKE DOWN THE EXTERIOR OF THE STRUCTURE.

SUBSTANTIAL COMPLETION

- SUBSTANTIAL COMPLETION IS THE STAGE OF WORK IS SUFFICIENTLY COMPLETE TO ALLOW THE CITY, COUNTY OR STATE TO OCCUPY THE WORK AND FULLY UTILIZE THE WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF THE SUBSTANTIAL COMPLETION OF THE WORK AND REQUEST FOR FINAL PAYMENT AND FINAL COMPLETION REPORT INCLUDING DOCUMENTED EVIDENCE OF WORK TO COMPLETION AND ALL NECESSARY PERMITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND CONTRACTOR COMPLIANCE OF THE FINAL PAYMENT REQUIREMENTS.

INTENT

- THIS CONSTRUCTION DRAWING DESCRIBES THE WORK TO BE DONE AND THE MATERIALS TO BE FURNISHED FOR CONSTRUCTION.
- THE INTENTION OF THE DRAWING IS TO INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR THE CONSTRUCTION AND COMPLETION OF THE WORK AS SET FORTH IN THE CONTRACT.
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND LOCATIONS SHALL BE CONSIDERED AS PART OF THE WORK. NO CHANGES THAT SHALL BE MADE TO THE WORK WITHOUT THE WRITTEN PERMISSION OF THE OWNER WITHOUT ISSUING A CHANGE ORDER.
- THE DRAWINGS ARE COMPLETE AND FEDERAL PORTIONS OF THE CONTRACT DOCUMENTS SHOWING THE DESIGN, LOCATION AND DIMENSIONS OF THE WORK, GENERALLY INCLUDING PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND DIMENSIONS.
- IN CASE OF INCONSISTENCY BETWEEN OTHER PARTS OF THE CONTRACT, THE CONTRACTOR SHALL FOLLOW THE WORK IN ACCORDANCE WITH THE OWNER'S INTERPRETATION.
- WHERE DIMENSIONS REFER TO STANDARD SPECIFICATIONS, THE LATEST OR MOST RECENT EDITION SHALL APPLY.

CHANGE ORDER PROCEDURE

- CHANGE ORDER MAY BE INITIATED BY THE OWNER AND/OR THE CONTRACTOR. ANY CHANGE IN THE WORK OR MATERIALS AND ANY CHANGES IN THE CONTRACT SHALL BE MADE IN WRITING. THE CONTRACTOR SHALL SUBMIT REQUESTS FOR SUBSTITUTIONS IN THE FORM AND IN ACCORDANCE WITH PROCEDURES REQUIRED FOR CHANGE ORDER WHICH ARE FURNISHED BY THE CONTRACTOR WITHOUT A WRITTEN CHANGE ORDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR THESE ACTIONS ON THE CONTRACTOR.

CODE COMPLIANCE

- ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THESE SHALL INCLUDE BUT NOT BE LIMITED TO THE LATEST EDITION OF THE FOLLOWING:
 CALIFORNIA ADMINISTRATIVE CODE
 2013 UNIFORM PLUMBING CODE
 2013 UNIFORM MECHANICAL CODE
 2013 UNIFORM ELECTRICAL CODE
 AHS/EA-222-F LIFE SAFETY CODE (MFA-101)
 LOCAL BUILDING ORDINANCES

ADMINISTRATION

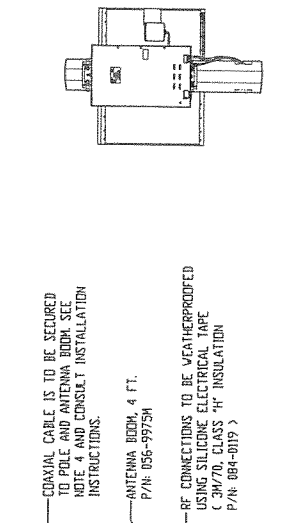
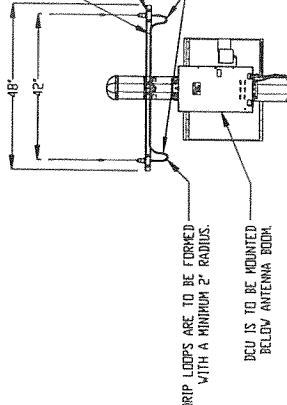
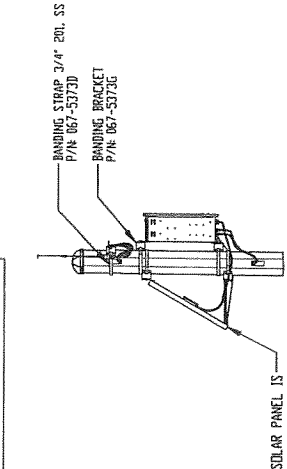
- BEFORE THE COMMENCEMENT OF ANY WORK, THE CONTRACTOR WILL ASSIGN A PROJECT MANAGER WHO WILL ACT AS A SINGLE POINT OF CONTACT FOR THE PROJECT MANAGER WILL BE DEVELOPING A MASTER SCHEDULE FOR THE CONSTRUCTION OF THE WORK. THE PROJECT MANAGER SHALL BE SUBMITTED TO THE OWNER PRIOR TO THE COMMENCEMENT OF ANY WORK.
- SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A GANTT CHART AND PERT NETWORK CHART, INDICATING A TIME BAR FOR EACH MAJOR CATEGORY OF THE WORK, SUFFICIENTLY IN ADVANCE OF THE DATE ESTABLISHED FOR SUBSTANTIAL COMPLETION OF THE SITE.
- PRIOR TO COMMENCING CONSTRUCTION, THE OWNER SHALL SCHEDULE AN MEETING WITH THE OWNER, PROJECT MANAGER, CONTRACTOR, AND LAND OWNER REPRESENTATIVE.
- THE CONTRACTOR SHALL BE EQUIPPED WITH SOME MEANS OF CONSTANT COMMUNICATION WITH THE OWNER. THE CONTRACTOR SHALL MAINTAIN A PROJECT MANAGER WHO WILL BE SUPPLIED BY THE OWNER, HOUR WILL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR MUST ENSURE THAT EMPLOYEES AND SUBCONTRACTORS WEAR HARD HATS AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND AGREEMENTS.
- PROVIDE WRITTEN DAILY UPDATES AND PHOTOGRAPHS OF ON-SITE PROGRESS TO THE PROJECT MANAGER VIA E-MAIL.
- A COMPLETE INVENTORY OF CONSTRUCTION MATERIALS AND EQUIPMENT IS REQUIRED PRIOR TO THE START OF CONSTRUCTION.
- NOTIFY THE OWNER / PROJECT MANAGER IN WRITING NO LESS THAN 48 HOURS IN ADVANCE OF CONCRETE POUR, TOWER ERECTIONS, AND EQUIPMENT CRANE PLACEMENTS.
- CLOSEOUT PACKAGE IS TO BE COMPLETE WITH DETAILED TOP PHOTOS AND AS-BUILT DRAWINGS. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A COMPLETE CLOSEOUT PACKAGE.

WARRANTIES AND BONDS

- THE CONTRACTOR IS RESPONSIBLE FOR APPLICATION AND PAYMENT OF CONTRACT LICENSES AND BONDS.
- SEE MASTER CONTRACTOR SERVICES AGREEMENT FOR ADDITIONAL DETAILS.

E17-0121

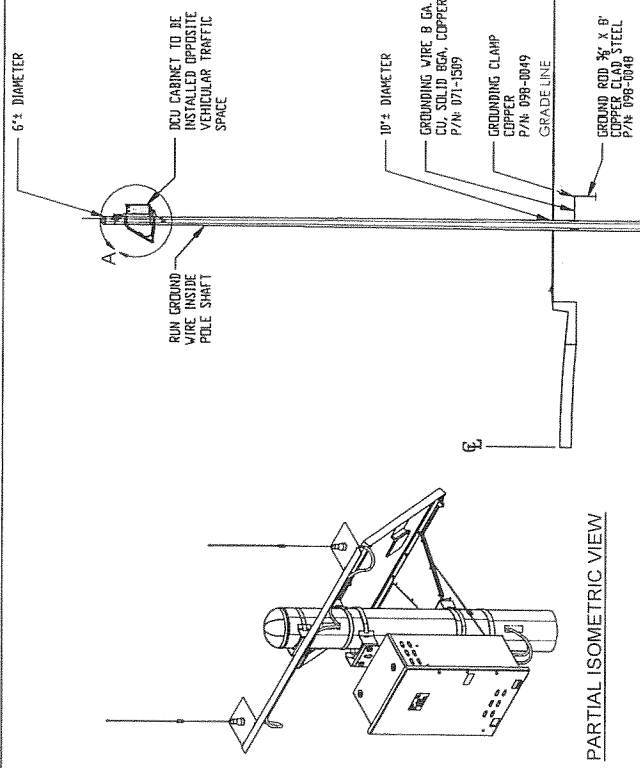
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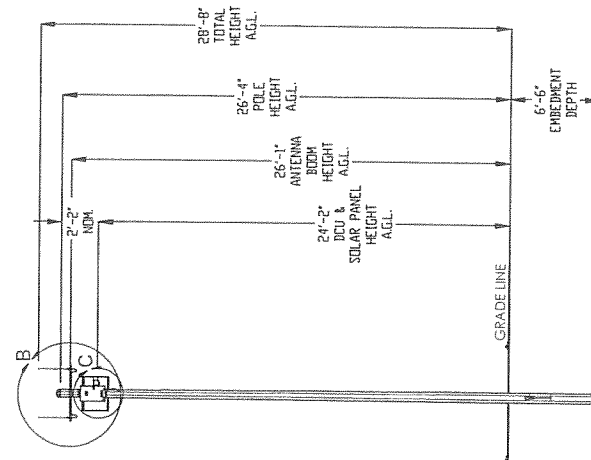
DETAIL A

DETAIL B

DETAIL C



PARTIAL ISOMETRIC VIEW



- EMBEDMENT NOTES:
- HOLE TO BE EXCAVATED TO DEPTH SPECIFIED IN THE PLAN. DIAMETER OF HOLE SHALL BE EQUAL TO POLE DIAMETER PLUS 1/2" AND INSTALLED UPRIGHT INTO LEVEL PAVEMENT. SETBACK FROM CURB AND FINISH GRADE LINE PER JURISDICTION STANDARDS.
 - GENERALLY SELECTED SUITABLE EXCAVATED MATERIAL WILL BE USED AS BACKFILL AND TAMPERED/COMPACTED TO MEET LOCAL CODES. EXCAVATED MATERIAL (CLSM) AS LOCAL STRUCTURAL BACKFILL CAN BE EMPLOYED (MINIMUM CONTENT = 60% FINE SAND (C.P. #40)).
 - SURFACE SHALL BE RECONSTRUCTED PER STANDARD SPECIFICATIONS & DETAILS FOR PUBLIC WORKS CONSTRUCTION 2012 GREENBOOK.
 - IF DIFFERENCES FIELD CONDITIONS OR CHANGES OF CONSTRUCTION OCCUR, THE CONTRACTOR SHALL CONSULT WITH ENGINEER OF RECORD FOR ANY CHANGES REQUIRED.

REV	DATE	DESCRIPTION	BY	CHKD	APP'D
1					

FOR THE DATE INFORMATION
 INFORMATION CONTAINED
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ADVANCED METER
 1700 W. 10TH STREET
 LOS ANGELES, CA 90015

PROJECT INFORMATION

26' 3" CONCRETE POLE
 SOLAR EMBEDDED

SHEET TITLE

ELEVATIONS

LEADS/SHORE

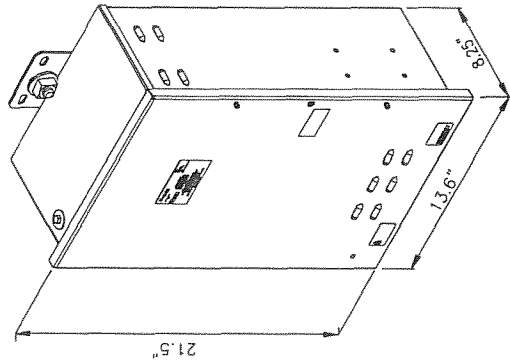
DESIGNER: J.M.	DATE:
CHECKED BY: J.M.	REVISION:
SCALE: AS SHOWN	SHEET NUMBER:

VICINITY MAP/ANNOT P.E.

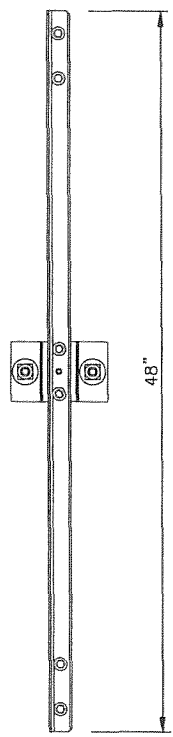
A-1

E17-0121

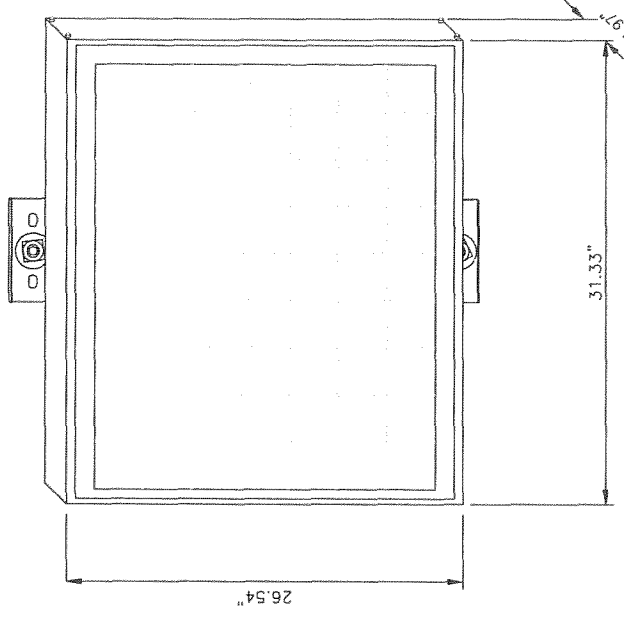
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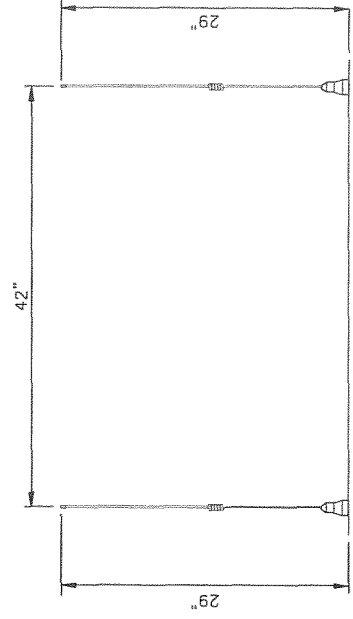
1 (D.C.U.) DATA COLLECTOR UNIT (55 LBS)



3 ALUMINUM ANTENNA ARM



2 SOLAR PANEL (14.11 LBS)



4 455-470 MHZ ANTENNAS (WHIP)

REVISIONS		INITIAL
REV	DATE	REVISION
1	02/01/10	ADRIAN V. JAVIER

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A Sempria Energy *utility*
 ADVANCED METER
 THE ENERGY SERVICES DIVISION
 LOS ANGELES, CA 90013

PROJECT INFORMATION

26'3" CONCRETE POLE
 SOLAR, EMBEDDED

SHEET TITLE

EQUIPMENT
 DETAILS


LEGEND

VEHICLE MANUFACTURER	P.E.
DATE	
DESIGNED BY	
CHECKED BY	
DATE	
SCALE	
SHEET NUMBER	
TOTAL SHEETS	

A-2 1

REV	DATE	REVISION	BY
1	02/20/18	ISSUED	AJ

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SocalGas
 A Sempra Energy utility

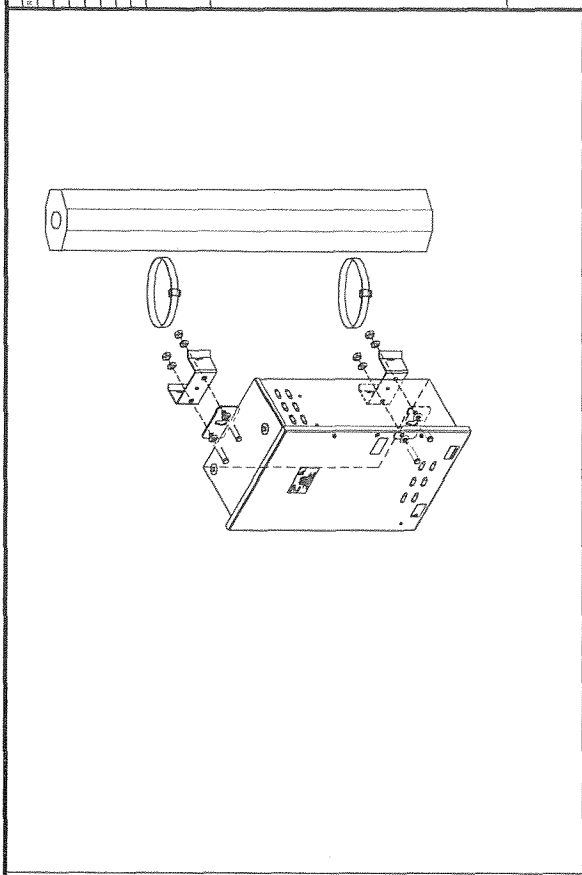
ADVANCED METER
 THE GAS COMPANY / FIDUCIARY
 LOS ANGELES, CA 90015

PROJECT INFORMATION

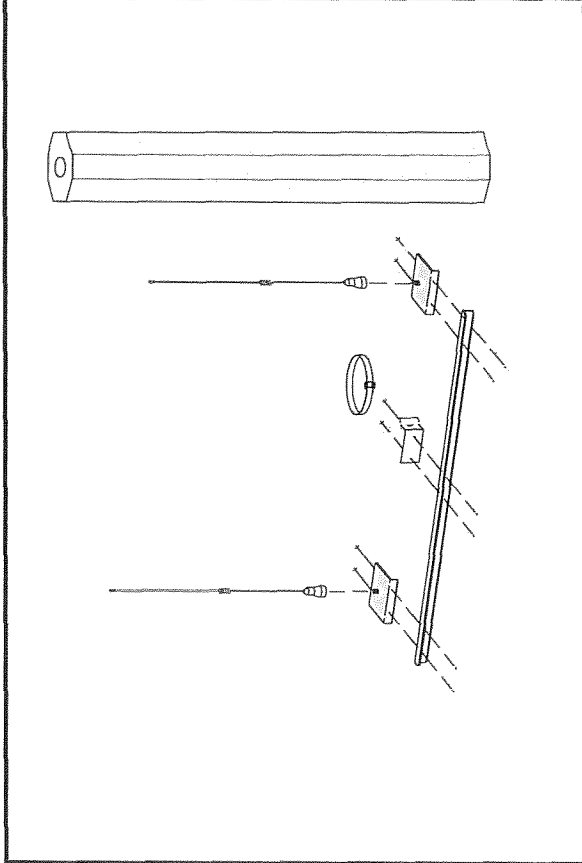
26 3" CONCRETE POLE
 SOLAR EMBEDDED

SHEET TITLE
**MOUNTING
 DETAILS**

LICENSURE	
DESIGNER: J.M.	DATE:
DRAWING NO: AJ	ISSUED:
PROJECT NO: J.M.	SCALE: AS SHOWN
SHEET NUMBER A-3	
1	



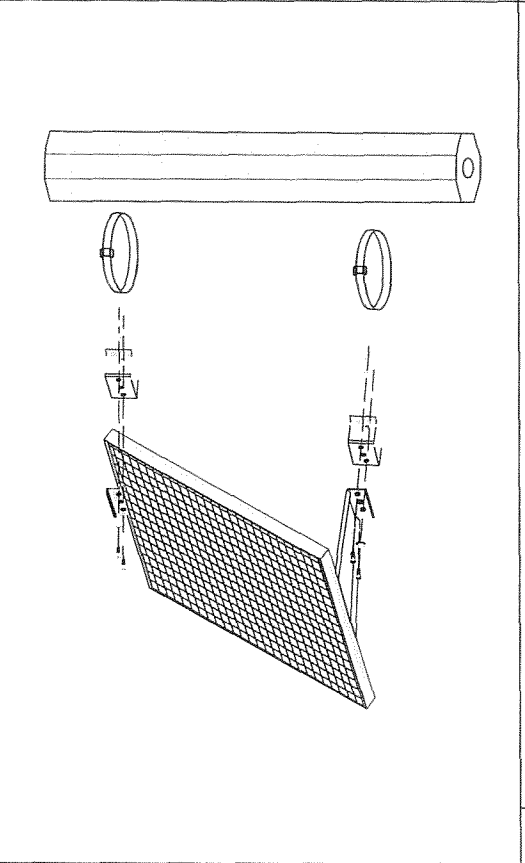
5 450 MHz ANTENNA INSTALLATION



6 DATA COLLECTOR UNIT (DCU) INSTALLATION

FIELD BULLETIN - INSTALLATION INSTRUCTIONS FOR DCU / SOLAR PANEL / ANTENNAS MOUNTING HARDWARE FOR CONCRETE POLES

1. ENSURE TORQUE VALUE / MEASUREMENTS ARE RECORDED ON THE INSTALLATION OR INSPECTION SHEET AND AS-BUILT MARK-UPS.
2. BAND STRAPS ARE TO BE TIGHTENED TO BAND STRAP TOOL SETTING OF 25, PER BAND-IT TOOL GUIDELINES.
3. ASSIGNED SCG PM OR INSTALLATION CONTRACTOR SHALL TAKE PICTURES OF THE COMPLETED WORK, INCLUDING A PICTURE OF EACH BAND MOUNTING STRAPS.



7 SOLAR PANEL INSTALLATION

8 BULLETIN

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MATERIALS LIST			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	501-9975-VERSTIR1-SCG	DCU, CELL, SOLAR PMR, SCG	1
2	042-9975	BATTERY, 26 AMP HOUR, DCU 9975	1
3	109-9975D	UHF ANT BASE ASSY	2
4	EM-M10007	455-470MHz ANT, DCUII	2
5	056-9975M	ANTENNA BOOM, 4 FT	1
6	109-9975F65	65 W SOL PANEL W/ MNTG	1
7	108-10700-02	MTG KIT, METAL/CONCRETE POLE, SOLAR	1
	069-561832LS	5/16-18 X 1", HEX HEAD BOLT, SS	10
	069-3304	5/16" SPR LW, .32 ID X .59 OD, 18-8 SS	10
	069-3305	1/8" F/WASH METAL, SS	10
	069-3306	5/16-18 HEX NUT, SS	10
	067-5373D	BANDING CLAMP 1/2" SS 201, UB256	5
	067-5373G	BANDING BRACKET	5
	067-5373C	BANDING STRAP 3/4" 201, SS	5
	070-2570-10	10' LOW LOSS N-M TO N-M	2
*8	098-0048	GROUNDING ROD, 3/4" X 8'	1
*9	098-0049	GROUNDING CLAMP	1
*10	071-1509	GROUNDING WIRE 8 GA, CU, SOLID	1
*11	098-0050	GROUNDING WIRE SPLICE	1
*12	098-0054	CABLE MGMT. BRACKETS (TRAP BOXES)	AS NEEDED
*13	TBD	SNAP-IN CLAMP	AS NEEDED
*14	088-0056	LMT-400 2 HOLE BOOM CLAMP	AS NEEDED
*15	098-0057	LMT-400 4 HOLE BOOM CLAMP	AS NEEDED
*16	084-0119	FUSION TAPE	AS NEEDED
*17	TCP-360	3/4" CABLE SPACERS	2
*18	501-9975-SWKIT-01	DCU DOOR TAMPER SWITCH	1

*CONTRACTOR SUPPLIED MATERIALS

FOR SMALL ENCLOSURE: 501-9975-SWKIT

FOR LARGE ENCLOSURE: 501-9975-SWKIT-01

- NOTES
1. MAXIMUM DCU CABINET WEIGHT NOT TO EXCEED 55# WITH BATTERIES
 2. ENCLOSURE RATED NEMA 3R
 3. DRAWING NOT TO SCALE
 4. ALL MATERIALS ARE TO BE SECURED USING TRAP BOXES, STAINLESS STEEL BANDING, SNAP LOCKS, ETC.

REV	DATE	REVISION	INITIAL
1	05/03/15	ADDED V. JAVIER	A.J.

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ADVANCED METER
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PROJECT INFORMATION

26' 3" CONCRETE POLE
 SOLAR EMBEDDED

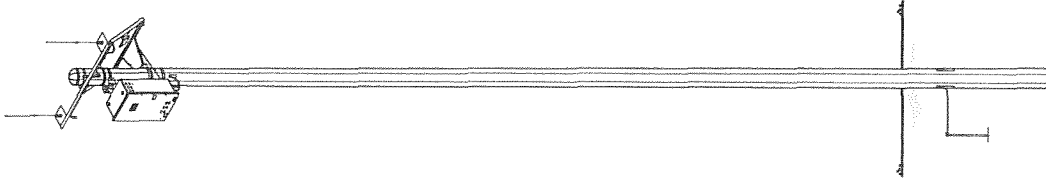
SHEET TITLE

MATERIALS
 LIST

LICENSEE

REVISION	DATE
1	05/03/15

A-4 1

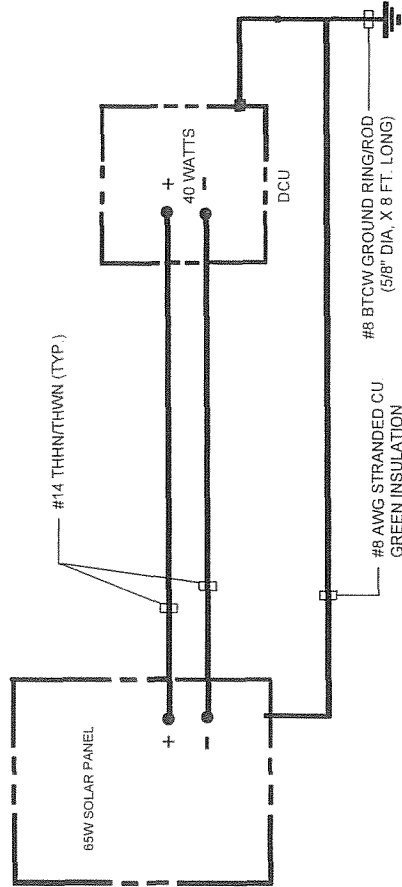


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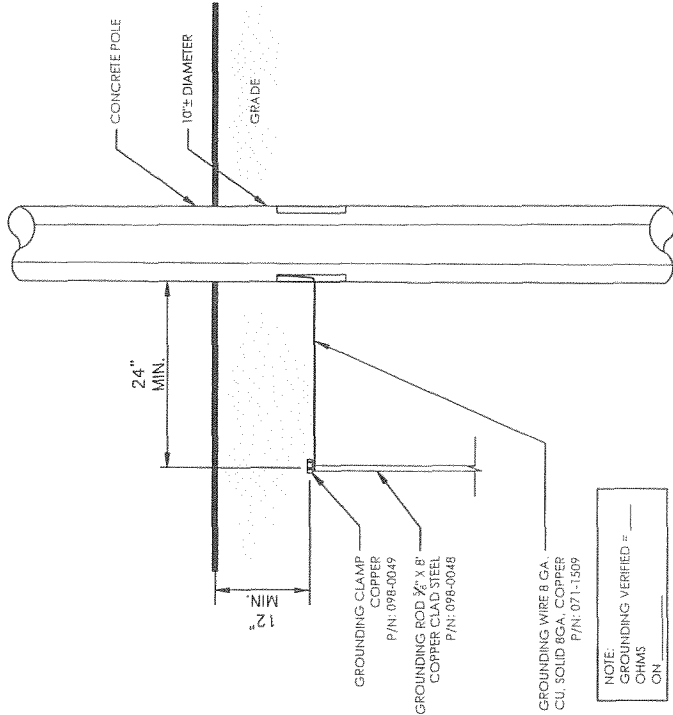
NOTES:

1. LOAD AND VOLTAGE DROP CALCULATIONS MUST BE PERFORMED FOR SPECIFIC SITE DESIGN.
2. AERATE CONDUCTORS AS REQUIRED BY NEC.
3. ALL CONDUCTORS SHALL BE INSTALLED IN AN APPROVED RACEWAY.
4. ALL CONDUCTORS SHALL BE COPPER AND THHN/THWN RATED INSULATION.
5. ALL OUTDOOR INSTALLATION SHALL BE IN AN OUTDOOR RATED ENCLOSURE.

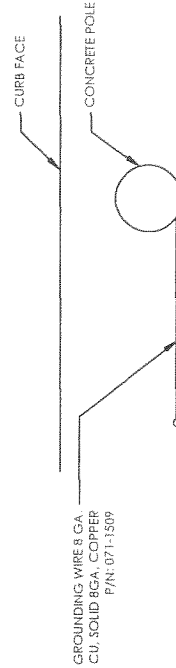


SOLAR POWER SOURCE

GROUND RESISTANCES SHALL BE 25 OHMS OR LESS. PROVIDE THE NECESSARY GROUND ROD QUANTITIES TO ACHIEVE THE REQUIRED GROUND RESISTANCE PER G 95 RULE 21.4.



ELEVATION
SCALE: 3/4" = 1'-0"



PLAN VIEW
SCALE: 3/4" = 1'-0"

REV	DATE	ISSUED BY	REVISION
1		ANDREW JAYEN	A.J.

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ADVANCED METER
THE SocalGas ADVANCED METER
LOS ANGELES, CA 90013

PROJECT INFORMATION

26 3" CONCRETE POLE
SOLAR EMBEDDED

SHEET TITLE

ELECTRICAL

DESCRIPTION

REVISION	DATE
1	

DESIGNED BY	DATE
CHECKED BY	DATE
SCALE	AS SHOWN
SHEET NUMBER	1

E17-0121

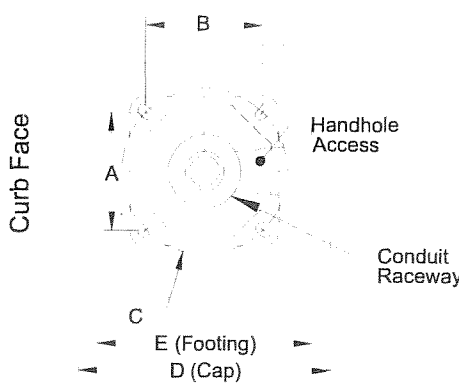
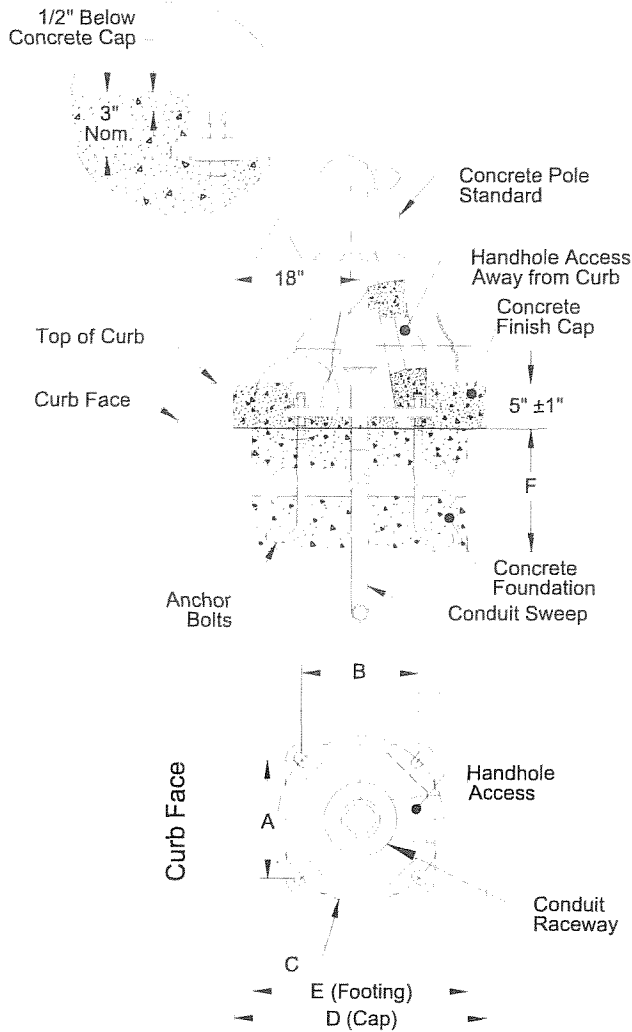
STREET LIGHT POLE INSTALLATION DETAILS

REVISION: Updated Dimension from Conduit to Curb Face
 (Page 2) from 24" to 18"

CHECKED BY
 (ENGINEERING): SJ
 DATE: 12/19/14

CHECKED BY
 (FIELD): BC
 APPROVED BY: *Eren Mejia*

PREPARED / REVISED
 BY: SJR



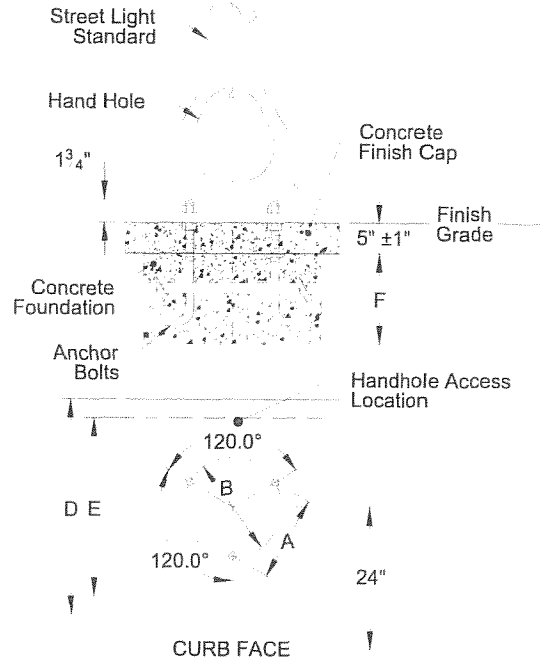
STREET LIGHT CONCRETE POLE DETAILS

Item No.	Anchor Bolt Size	Pole Mounting			Concrete Cap/Footing		
		A	B	C (Dia.)	D (Sq.)	E (Sq.)	F (Ht.)
LP-1	1" x 36" x 4"				36"	36"	48"
LP-2	1" x 36" x 4"	12"	12"	17"	36"	36"	48"
LP-3	1" x 36" x 4"				36"	36"	48"
LP-4	1" x 36" x 4"	14 7/8"	14 7/8"	21"	36"	36"	48"
LP-5	1-1/4" x 44" x 4"	12"	12"	17"	36"	36"	60"
LP-7	3/4" x 18" x 3"	10 1/2"	10 1/4"	14 1/2"	36"	24"	30"
LP-8	1" x 36" x 4"	9 3/16"	9 3/16"	13"	36"	36"	60"
LP-9	3/4" x 18" x 4"	15 9/16"	15 9/16"	22"	36"	36"	36"
LP-10	See UGS-804 for Details						
LP-11	3/4" x 18" x 4"	15"	7.5"	-	36"	24"	24"

Shaded areas are no longer installed but for reference only.

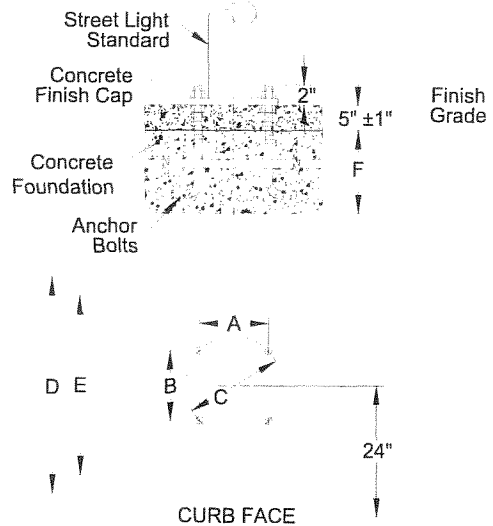
Notes:

- See specifications for conduit entrances, bonding and foundation requirements.
- Confirm bolt circle dimensions with manufacturer.
- Streetlight door opening to face sidewalk.
- Streetlight base concrete cap (B) shall be poured separately and independently of the sidewalk, forming a cold joint around the streetlight standard.



STREET LIGHT ALUMINUM POLE DETAILS

Item No.	Anchor Bolt Size	Pole Mounting		Concrete Cap/Footing		
		A	B (Dia.)	D (Sq.)	E (Sq.)	F (Ht.)
LP-6	1" x 36" x 4"	7 13/16"	9"	36"	36"	36"



STREET LIGHT STEEL POLE DETAILS

Item No.	Anchor Bolt Size	Pole Mounting			Concrete Footing		
		A	B	C (Dia.)	D (Sq.)	E (Sq.)	F (Ht.)
LP-8	1" x 40" x 4"	9 3/16"	9 3/16"	13"	36"	36"	60"

E17-0121