CIVIC CENTER 1109
GENERAL NOTES, POWER PLAN
LIGHTING PLAN SHEET E-1

EXIST. SERVICE PANEL
175 A - 120/208 V, 3Ø, 4W

EXISTING SCHOOL DIST.

PROVIDE W.P. 200A, 3P, 250V DISC. SWITCH WITH 175A FUSES FOR SECONDARY PROTECTION AT XFMR PAD. SEE SINGLE LINE DIAGRAM.

1½"C, MS-2; 2"C, MS-2A; ¾"C, MS-2B

2"C, MS-1; 2"C, MS-2A; ¾"C, MS-2B

EXIST. SERVICE PANEL
100A-120/208V, 3Ø, 4W

EXIST. ADMIN. BLDG.

EXIST. PORTABLE BLDG.

EXIST. SERVICE PANEL
200A - 120/240V, 1Ø, 3W

GUY POLE & STRAND

MS-3
2"C

(2) 2"C.O. (TELE.),
(1) 2" C.O. (CABLE TV)

1½"C

FUTURE MAINTENANCE BLDG.

(2) 4"C.O. (TELEPHONE)
(1) 2"C.O. (CABLE TV)

3"C, MS-1;
3"C, MS-2,3;
3"C, MS-6.

(2) 2"C.O. (TELE.),
(1) 2" C.O. (CABLE TV)

UNDERGROUND CONDUIT SHALL BE BURIED TO PROVIDE MINIMUM COVER OF 24". HIGH VOLTAGE CONDUITS (1000 VOLTS AND ABOVE), AND ANY CONDUIT CROSSING UNDER A ROAD OR DRIVEWAY SHALL BE BURIED TO PROVIDE MINIMUM COVER OF 30". (TYPICAL)

(1) 2"C.O. (CABLE TV)

EXISTING TENNIS COURTS

FUTURE PARKING AREA

N 4,019,500

(2) 4"C.O.

1½"C, MS-7

(2) 3"C.O. (TELE.)

(2) 2"C.O. (TELE.)

FUTURE PUBLIC SAFETY BLDG.

EXIST. SERVICE PANEL
600A, 480V, 3Ø, 4W

(2) 2"C.O. (TELE.) &
(1) 2"C.O. (CABLE TV)

TO EXIST. TELEPHONE TERMINAL

EXISTING POWER SOURCE FOR MISSILE FIELD

2"C, MS-5

(1) 2"C.O. (CABLE TV)

3"C, MS-1; 3"C, MS-2,3; 3"C, MS-6,7.

EXISTING RECREATION EQUIP. BLDG.

MAIN TELEPHONE TERMINAL "MTT"
4'×8'×¾" PLYWOOD BACKBOARD

MAIN SWBD. "MS"

4"C. MS-8

(2) 4"C.O.

(2) 4"C.O. (TELE.)

(1) 2"C.O. (CABLE TV)

EXISTING HILL

6'×8' XFMR. SLAB BOX PER S.C.E. CO. REQUIREMENTS

SEE SHEET E-3 FOR DETAILS OF WORK IN EXIST. RECREATION EQUIPMENT BLDG.

FUTURE COMMUNITY BLDG.

FUTURE COUNCIL CHAMBERS

FUTURE CITY HALL

N 4,019,000

E 4,165,500

HAWTHORNE BLVD.

ELECTRICAL SITE PLAN

SCALE: 1"=40'-0"

UTILITY COMPANIES

SOUTHERN CALIFORNIA EDISON CO.
505 MAPLE AVENUE
TORRANCE, CA., 90503
TEL.: 618-3736
ATTN.: RICH FLOYD

GENERAL TELEPHONE CO. OF CALIF.
2819 W. 182ND ST.
REDONDO BEACH, CA. 90278
TEL.: 542-4391
ATTN.: JOHN HALFENBERG

DIMENSION CABLE TELEVISION
31244 PALOS VERDES DR. WEST
RANCHO PALOS VERDES, CA., 90274
TEL.: 541-9143
ATTN.: NEALE NEWMAN

SYMBOL LIST

- POWER PANEL OR SWITCHBOARD
- PULL BOX, 24"×36"×30"D, BROOKS #100FHH SERIES OR EQUAL, UNLESS NOTED OTHERWISE
- TRANSFORMER
- POWER OR TELEPHONE POLE
- TELEPHONE TERMINAL
- +4'-6" MOUNTING HEIGHT FLOOR TO CENTER OF OUTLET
- CONDUIT RUN CONCEALED UNDERGROUND
- CONDUIT RUN EXPOSED
- MS-1,3 FEEDER CIRCUIT HOME RUN TO SWITCHBOARD. LETTER AND NUMBER NOTATION IDENTIFIES PANEL AND CIRCUIT NUMBERS.
- EXISTING OVERHEAD LINES TO BE REMOVED
- STUB OUT CONDUIT(S), CAP AND IDENTIFY
- 1 / E-3 SEE DETAIL 1, SHEET E-3
- EXISTING LIGHTING STANDARD
- EXISTING OVERHEAD TELEPHONE LINES TO BE REMOVED.
- EXISTING GUY TO BE REMOVED

ABBREVIATIONS

A OR AMP	AMPERE	MCM	THOUSAND CIRCULAR MILS
BKR.	BREAKER	MIN.	MINIMUM
C	CONDUIT	N.I.C.	NOT IN CONTRACT
℄	CENTER LINE	N.T.S.	NOT TO SCALE
CKT.	CIRCUIT	PH OR Ø	PHASE
C.O.	CONDUIT ONLY	SEC.	SECONDARY
COMM.	COMMUNICATION	SHT.	SHEET
DET.	DETAIL	SW.	SWITCH
DISC.	DISCONNECT	SWBD.	SWITCHBOARD
DWG.	DRAWING	XFMR	TRANSFORMER
EQUIP.	EQUIPMENT	TYP.	TYPICAL
EXIST.	EXISTING	U.G.	UNDERGROUND
J. BOX	JUNCTION BOX	V	VOLT
KV	KILOVOLTS	W	WIRE
KVA	KILOVOLT AMPERES	W/	WITH
KW	KILOWATTS	W.P.	WEATHERPROOF
MAX.	MAXIMUM		

NOTES:

1. 30"×48"×42"D BROOKS # 200 DIB42-ED9 W/ PARKWAY COVER U.G. PULL BOX PER S.C.E. CO. REQUIREMENTS. INTERCEPT EXISTING INCOMING S.C.E. UNDERGROUND 4" CONDUIT AT APPROXIMATELY THIS LOCATION.
1A. TELEPHONE CABLE PULL BOX, 3'×5'×3'-6" (INSIDE DIMENSIONS); BROOKS #400 DPB 42-GT5 SERIES WITH PARKWAY COVER OR EQUAL.
1B. TELEPHONE CABLE INTERCEPT BOX, 3'×5'×4' (INSIDE DIMENSIONS), BROOKS #400 DIB 48-GT5 WITH PARKWAY COVER OR EQUAL.
2. INTERCEPT EXISTING INCOMING "GENERAL TELEPHONE" & "DIMENSION CABLE TELEVISION" SERVICE CONDUITS.
3. POWER, TELEPHONE OR CABLE TV SERVICE ENTRANCE - SEE DETAIL INDICATED.
4. PROVIDE & INSTALL 100A, 3P, 250V AUTOMATIC TRANSFER SWITCH ON INTERIOR WALL & CONNECT PER SINGLE LINE DIAGRAM, SHEET E-2. SEE 1D / E-3
5. 30"×36"×4"D CONCRETE TRANSFORMER PAD W/W.P. XFMR - SEE SHEET E-2
6. 21"×32"×4"D CONCRETE TRANSFORMER PAD W/W.P. XFMR - SEE SHEET E-2
7. 24"×30"×4"D CONCRETE TRANSFORMER PAD W/W.P. XFMR - SEE SHEET E-2
8. REMOVE EXISTING POLE & ASSOCIATED EQUIP. AS REQUIRED.
9. REMOVE EXISTING WEATHERHEAD AND SERVICE DROP.
10. REMOVE EXISTING 37½ KVA PAD-MOUNTED TRANSFORMERS AND ASSOCIATED EQUIPMENT.
11. INTERCEPT EXISTING U.G. CONDUIT & WIRE TO SITE LIGHTING STANDARDS AT APPROXIMATELY THIS LOCATION; INSTALL W.P. J.BOX & CONNECT ¾"C, 2#10 TO SITE LIGHTING CIRCUIT. RECONNECT AT LIGHT STANDARDS AS REQ'D.
12. ¾"C, 2#10 TO DISCONNECT SWITCH AT EXISTING ADMIN. BLDG. SEE DETAIL 1D, SHEET E-3.
13. REMOVE POLE & ASSOCIATED ELECTRICAL EQUIPMENT AT TEST PAD.
14. CONDUITS IN TRENCH SHALL HAVE A MINIMUM BENDING RADIUS OF 12'-6". CONDUITS INTO BUILDING SHALL HAVE A MINIMUM BENDING RADIUS OF 3'.
15. EXISTING POLE AND ALL ASSOCIATED EQUIPMENT TO BE REMOVED BY "GENERAL TELEPHONE CO." OR "S.C.E. CO."
16. COORDINATE WITH "GENERAL TELEPHONE CO." FOR INSPECTION DURING CONSTRUCTION BY CALLING (213) 542-5516 48 HOURS PRIOR TO STARTING TRENCHING OPERATION.
17. MATERIAL FURNISHED BY "DIMENSION CABLE TELEVISION", INSTALLED BY CONTRACTOR. NOTIFY DIMENSION CABLE TELEVISION OF START OF CONSTRUCTION AT LEAST (1) WEEK PRIOR TO START.

DESIGNED FOR: CITY OF RANCHO PALOS VERDES
30940 HAWTHORNE BLVD.
RANCHO PALOS VERDES, CA.

J 4421

BY: ENGINEERS · CONSULTANTS
Eggett & Helin
INCORPORATED
4444 Riverside Drive • Burbank, Calif. 91505
(213) 849-6196

SCALE: 1"=40'-0" | APPROVED BY: Approved, City Engineer
DATE: 2-14-83
DRAWN BY: S.A., M.J.
REVISED:
PROJECT LOCATION: RANCHO PALOS VERDES CIVIC CENTER
SHEET TITLE: ELECTRICAL SITE PLAN
DRAWING NO. E-1