WEATHERPROOF

ROOSEVELT II E.S. | PROJECT NO. 270.032.10

(1) METER PEDESTAL

VOLTS 120/240
PHASE 1PH, 3W
MTG SURFACE

LOCATION ON 14TH STREET AT MT. VERNON STREET

MAIN 100A 2P CB
BUS 100A

CKT	LOAD (VA) A	LOAD (VA) B	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION		CKT	LOAD (VA) A	LOAD (VA) B	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	170	-----	L	20/2	2	POLE MOUNT STREET LTS.	A	2	170	-----	L	20/2	2	POLE MOUNT STREET LTS.
3	-----	170	L	--	-	---------	B	4	-----	170	L	--	-	---------
5		-----				PROVISION	A	6		-----				PROVISION
7	-----					PROVISION	B	8	-----					PROVISION
9		-----				PROVISION	A	10		-----				PROVISION
11	-----					PROVISION	B	12	-----					PROVISION

CONNECTED:

	VA	AMPS
PHASE A =	340	3
PHASE B =	340	3
TOTAL =	680	3

L.C.L. @ 125% = 850
RECEPT. (> 10 kVA @ 50%) =
KITCHEN @ 65% =
OTHER LOAD @ 100% =
TOTAL VA = 850
TOTAL AMPS = 4

LOAD TYPE:
G - GENERAL (100%) M - MOTOR (100%)
L - L.C.L. (125%) M1 - MOTOR (125%)
R - RECEPTACLE (50%) X - X-RAY (100%)
(10 kVA @ 100%) X1 - X-RAY (50%)
K - KITCHEN (65%)

(1) SEE DETAIL 'SL-2' ON THIS SHEET.

WEATHERPROOF

ROOSEVELT II E.S. | PROJECT NO. 270.032.10

(1) METER PEDESTAL

VOLTS 120/240
PHASE 1PH, 3W
MTG SURFACE

LOCATION ON 16TH STREET AT MT. VERNON STREET

MAIN 100A 2P CB
BUS 100A

CKT	LOAD (VA) A	LOAD (VA) B	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION		CKT	LOAD (VA) A	LOAD (VA) B	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	85	-----	L	20/2	1	POLE MOUNT STREET LT.	A	2	85	-----	L	20/2	1	POLE MOUNT STREET LT.
3	-----	85	L	--	-	---------	B	4	-----	85	L	--	-	---------
5		-----				PROVISION	A	6		-----				PROVISION
7	-----					PROVISION	B	8	-----					PROVISION
9		-----				PROVISION	A	10		-----				PROVISION
11	-----					PROVISION	B	12	-----					PROVISION

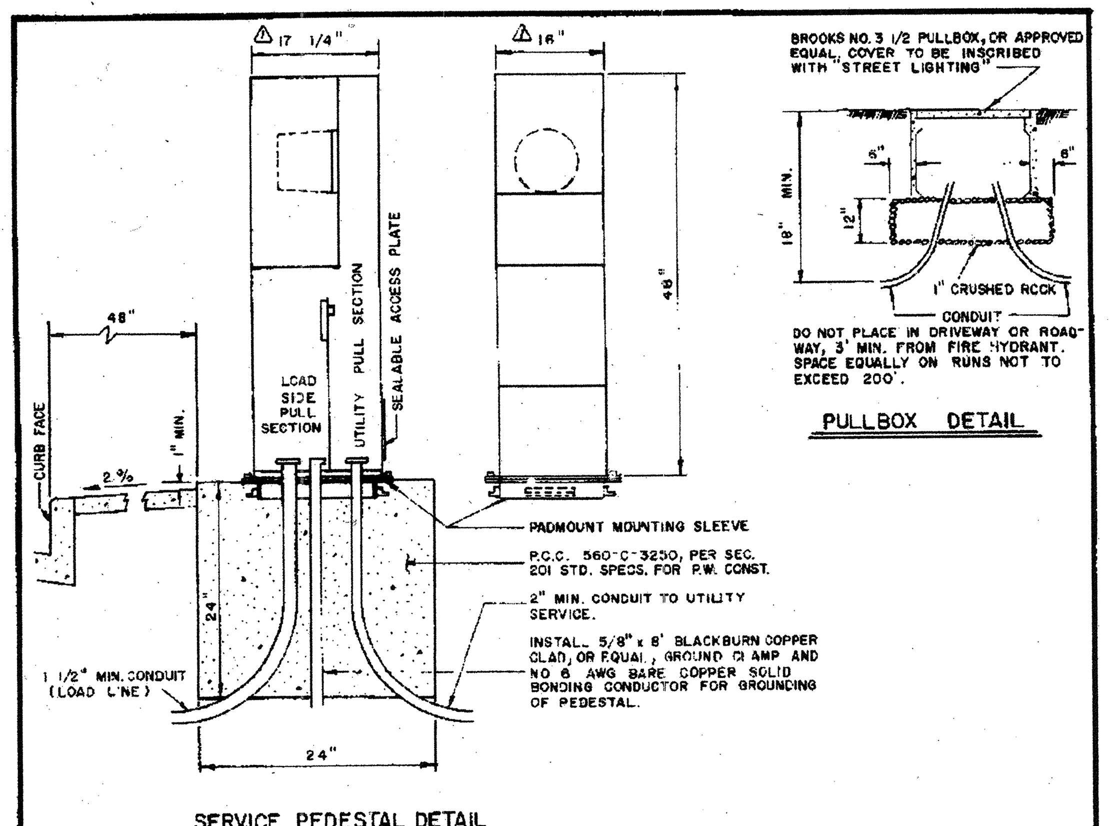
CONNECTED:

	VA	AMPS
PHASE A =	170	1
PHASE B =	170	1
TOTAL =	340	1

L.C.L. @ 125% = 425
RECEPT. (> 10 kVA @ 50%) =
KITCHEN @ 65% =
OTHER LOAD @ 100% =
TOTAL VA = 425
TOTAL AMPS = 2

LOAD TYPE:
G - GENERAL (100%) M - MOTOR (100%)
L - L.C.L. (125%) M1 - MOTOR (125%)
R - RECEPTACLE (50%) X - X-RAY (100%)
(10 kVA @ 100%) X1 - X-RAY (50%)
K - KITCHEN (65%)

(1) SEE DETAIL 'SL-2' ON THIS SHEET.

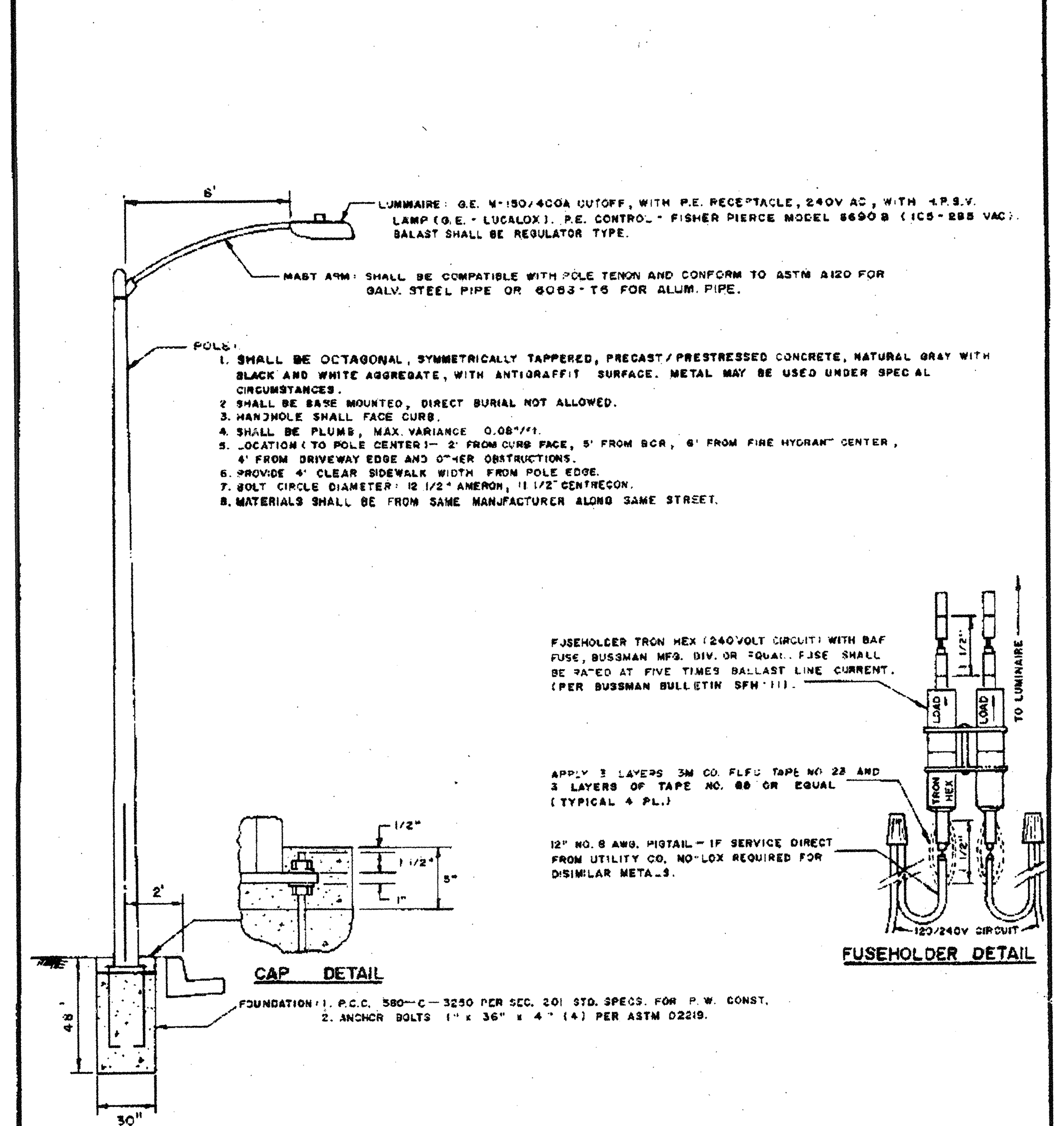


NOTES:
1. SERVICE PEDESTAL SHALL BE MYERS ELECTRIC PRODUCTS MEUGQ-MIOOC/SS OR EQUAL.
2. CIRCUIT BREAKERS SHALL BE SUITABLE FOR USE ON 120-240 VOLT SERVICE AND SHALL BE APPROVED BY UNDERWRITERS LABORATORY.
3. CABINET SHALL BE BONDED TO CONDUIT WITH COPPER GROUND WIRE EQUIVALENT TO NO. 6 A.W.G.
4. PULLBOX SHALL BE INSTALLED NEXT TO BASE WITH 1 1/2" CONDUIT MINIUM.
5. CONDUITS SHALL EXTEND INTO CABINET 1" ABOVE FLOOR AND HAVE APPROVED CONDUIT BUSHING.
6. CONTRACTOR SHALL MAKE ARRANGEMENTS WITH UTILITY FOR 120-240 VOLT SERVICE AND SHALL BE RESPONSIBLE FOR ANY CHARGES BY THE UTILITY FOR ANY WORK.
7. PULLBOXES SHALL BE PLACED ON ONCOMING TRAFFIC SIDE OF POLES. TOP TO BE FLUSH WITH ADJACENT GRADE. KNOCK OUT OPENING TO BE SEALED WITH GROUT AFTER CONDUIT INSTALLATION.

NO.	REVISION	APPROVED	DATE
1	PEDESTAL N° & DEMENSIONS	R.S.G.	7-18-84

CITY OF SAN BERNARDINO PUBLIC WORKS DEPT. APPROVED 6-15-84 — DIRECTOR OF PUBLIC WORKS/CITY ENGINEER
STREET LIGHT SERVICE PEDESTAL AND PULLBOX DETAILS — STANDARD NO. SL-2

S.L. TYPE	LUMENS	LAMP (WATTS)	LUMINAIRE (G.E.)	HEIGHT(±) POLE(FT)	HEIGHT(±) LUMINAIRE(FT)	ACCEPTABLE POLES AMERON	ACCEPTABLE POLES CENTRECON
A	5800	70	M-150	23	26	ICI-23F6	MBO-7 -AP6
B	9500	100	M-150	23	26	ICI-23F6	MBO-7 -AP6
C	16000	150	M-150	28	30	ICI-28F6	MBO-8.5-AP6
D	22000	200	M-400A	28	30	ICI-28F6	MBO-8.5-AP6
E	27500	250	M-400A	28	30	ICI-28F6	MBO-8.5-AP6



CITY OF SAN BERNARDINO PUBLIC WORKS DEPT. APPROVED 6-15-84 — DIRECTOR OF PUBLIC WORKS/CITY ENGINEER
STREET LIGHT STANDARD — STANDARD NO. SL-1

GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL THE FEATURES OF THE SITE WHICH MAY AFFECT THE PROPER PERFORMANCE OF THIS WORK.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REFER TO THE DRAWINGS OF OTHER TRADES AND PHASES FOR ADDITIONAL DETAILS AND REQUIREMENTS WHICH AFFECT THE PROPER PERFORMANCE OF THIS WORK.
3. RACEWAY ROUTING, DIMENSIONS, AND EQUIPMENT LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXACT RACEWAY ROUTING TO CONFORM TO FIELD CONDITIONS.
4. ALL EQUIPMENT DEVICES, CONDUIT FITTINGS, JUNCTION BOXES, AND CONSTRUCTION LOCATED OUTDOORS SHALL BE WEATHERPROOF.
5. ALL UNDERGROUND FEEDERS SHALL BE THWN OR EQUAL.
6. INSTALL UNDERGROUND CONDUITS NOT LESS THAN 24" BELOW FINISHED GRADE IN NON TRAFFIC AREAS AND 30" BELOW FINISHED GRADE IN TRAFFIC AREAS.
7. ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE LISTED, LABELED, AND INSTALLED PER A RECOGNIZED ELECTRICAL TESTING LABORATORY.
8. DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT ROUTING OF CONDUIT SHALL BE DETERMINED BY CONTRACTOR. ANY ADDITIONAL COST REQUIRED TO ROUTE CONDUIT DIFFERENTLY THAN IS INDICATED ON THESE DRAWINGS SHALL BE INCURRED BY THE CONTRACTOR.
9. ITEMS RELATED TO ELECTRICAL POWER, (ie: SPECIAL INSTALLATION REQUIREMENTS, MATERIALS, LABOR, PERMITS, FEES, ETC.) SHALL BE VERIFIED WITH THE RESPECTIVE SERVING UTILITY COMPANY PRIOR TO SUBMISSION OF A BID. THE ACT OF SUBMITTING A BID SHALL CONSTITUTE FULL RESPONSIBILITY OF THE CONTRACTOR TO INSTALL SERVICE(S) IN COMPLIANCE WITH THE REQUIREMENTS OF THE SERVING UTILITY COMPANY AND ELECTRICAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHARGES LEVIED BY THE SERVING UTILITY COMPANY EXCEPTING THE FIRST BILLING DEPOSIT.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	FINISH	LAMP(S)	REMARKS	MFR. & NO.
1/170	POLE MOUNT H.I.D. STREET LIGHTING TYPE FIXTURE FIXTURE	GRAY	100W, HPS PRESSURE SODIUM	COMPLETE WITH 240 VOLT BALLAST, 23' POLE, 6' MAST ARM, PHOTOCELL AND ALL HARDWARE NECESSARY FOR INSTALLATION. SEE DETAIL 'SL-1' BELOW.	G.E. LUMINAIRE #M150 AMERON POLE: 1C1-23F6 OR APPROVED EQUAL BY CENTRECON

SYMBOL LIST

- □ PULLBOX, PER DETAIL "SL-2", SHEET 2.
- o—☼ LIGHTING STANDARD WITH SINGLE ARM MOUNTED LUMINAIRE AND POLE SUPPORT BASE, PER DETAIL "SL-1", SHEET 2.
- ▲ STREET LIGHTING SERVICE PEDESTAL, PER DETAIL "SL-2", SHEET 2.
- — — — CONDUIT, INSTALLED CONCEALED BELOW GRADE, 3/4" CONDUIT MINIMUM.
- o-----☼ (E) EXISTING LIGHTING STANDARD TO REMAIN, U.N.O.

SHEET INDEX

8 STREET LIGHTING NOTES, DETAILS AND SCHEDULES
9 STREET LIGHTING ELECTRICAL PLAN
10 STREET LIGHTING SPECIFICATIONS

E090/510
E0701319

Underground Service Alert
Call: TOLL FREE
1-800
227-2600
TWO WORKING DAYS BEFORE YOU DIG

RECOMMENDED FOR APPROVAL BY PLAN CHECKER
PLAN CHECK FIRM :
PLAN CHECKER NAME: ________
PLAN CHECKER SIGNATURE: ________
PLAN CHECKER RCE NO.: ________
EXP. DATE: ________

REGISTERED PROFESSIONAL ENGINEER STEPHEN R. ZAJICEK No. E 10372 Exp. 09-30-10 ELECTRICAL STATE OF CALIFORNIA

FBA ENGINEERING
Consulting Engineers
3420 Irvine Avenue
Newport Beach, California 92660-3189
T: 949 852 9995 F: 949 852 1657
FBAengr.com
FBA # 270.032.10

MARK	REVISIONS	BY	APPR.	DATE

BENCH MARK:
CITY OF SAN BERNARDINO BM# G1-41. ELEVATION 1158.763 FT. BRASS DISK CSB G1-41. 41.25 FT. EAST & 30.0 FT SOUTH OF THE CENTERLINE P.I. OF MT. VERNON & 14TH ST. ;9.75 FT. SOUTH OF THE SOUTH CURB LINE OF 14TH ST. ; 9.25 FT. EAST OF THE EAST CURB LINE OF MT.VERNON AVE. 2.0 FT EAST OF THE NORTH/SOUTH SIDEWALK ABOUT 0.2 FEET LOWER THEN THE PAVEMENT.

APPROVED NOV. 23, 2010
CITY ENGINEER ROBERT G. EISENBEISZ
REGISTERED CIVIL ENGINEER NO. 59931 EXP. 6/30/12
DRAWN BY: FBA
CHECKED BY: R.R.
RECOMMENDED BY:

CITY OF SAN BERNARDINO
DEVELOPMENT SERVICES~PUBLIC WORKS/ENGINEERING

STREET LIGHTING NOTES, DETAILS AND SCHEDULES
ROOSEVELT II ELEMENTARY SCHOOL
1261 W. 16TH STREET

DRAWING NO. 12343
SHEET 8 OF 10 SHEETS
FOR CITY USE ONLY: FILE NO. W.O. NO.

RE-BID #F09-02 ROOSEVELT II (HENRY) E.S. NEW CONSTRUCTION BID ISSUANCE SET 12/09/11

Filename: I:\270\032\street-lighting\E-1.dwg (JGomez) Dimscale 1=(PS) Date AUG 06, 2010 Time 9:18 AM Xrefs border