



ESTIMATE OF QUANTITIES

3 Gg. Poles	13 ea.
11 Gg. Poles	10 ea.
175 W. Merc. Vapor Lum.	10 ea.
250 W. Merc. Vapor Lum.	9 ea.

NOTE: CHG. EXIST. POLE TO 30A. BY CITY
FORCES AT CONTRACTOR'S EXPENSE.
CHG. EXISTING INCANDESCENT
LUMINAIRES TO 250 W. MERC.

SCALE 1" = 100'

LEGEND

- 3 Gg. Pole
- 11 Gg. Pole
- 175 W. Merc. Vapor Lum.
- 250 W. Merc. Vapor Lum.
- Double Wire (overhead)
- 3' Utility Easement

STREET LIGHT SPECIFICATIONS

Standards for 5' R/W 60' R/W streets shall be Pacific Union Metal Co. Design F.B. 330-B1-8 or F.B. 1130-B1-8 with Modifications L-39 and 14, or approved equal. There shall be at least one pole at each intersection.

Standards for 80' R/W streets and over, shall be Pacific Union Metal Co. Design F.B. 330-B1-8 or F.B. 1130-B1-8 with Modification 14, or approved equal.

On 80' R/W streets there shall be 2 poles on diagonal corners.

On 100' R/W streets there shall be one pole at each corner.

Mercury Vapor Luminaires to be used on 5' R/W 60' R/W streets, except at intersections, shall be 175 watt, series circuit, 6.6 amp., I.E.S. Distribution Type 3, General Electric Catalog #C7066043, or approved equal.

Mercury Vapor Lamps to be used on 5' R/W 60' R/W streets, except at intersections, shall be 175 watt, Colorstone Hi-output white, 7900 lumens, G.E. H175W 37-5 W or approved equal.

Mercury Vapor Luminaires to be used on 80' R/W streets and over, shall be 400 watt, series circuit, 6.6 amp., I.E.S. Distribution Type 2, General Electric Catalog #C7066043, Type M-250R or approved equal.

Mercury Vapor Lamps to be used on 80' R/W streets at intersecting minor streets, shall be 250 watt, Colorstone Hi-output white, 1700 lumens, G.E. H250W 37-5 W or approved equal.

Mercury Vapor Luminaires to be used on 80' R/W streets and over, shall be 400 watt, series circuit, 6.6 amp., I.E.S. Distribution Type 3, General Electric Catalog #C7046010 Type M-400, mounted with a 2' slip-fitter, or approved equal.

Mercury Vapor Lamps to be used on 80' R/W streets and over shall be 400 watt, Colorstone Hi-output white, 2200 lumens, G.E. H400W 37-1 or approved equal.

Foundations shall be constructed and located to line and grade as directed by the Field Engineer.

Overhead wire shall be #6 MHD solid bare copper.

Wire in mast arms and underground conduit shall be #8 A.W.G. solid copper, 60 K.V. with 10/64 inch P.V.C. insulation.

Spacing of standards shall be 180 feet maximum on 5' R/W and 60' R/W streets on one side.

Spacing of standards shall be 180 feet maximum on 80' R/W streets on both sides, staggered.

Spacing standards on 100' R/W streets or more shall be 120' maximum on both sides and staggered.

The contractor shall be responsible for avoiding damage to property, either public or private, and, in the event any such damage, shall make satisfactory repairs at his own expense.

Standards shall receive two (2) finish coats of an approved aluminum paint. The first coat shall be applied prior to erection. The second shall be applied after erection.

Handhole modifications, equal in size to Mod. 2-C (20 square inch minimum opening) shall be provided on all standards requiring underground wiring.

Underground conduit shall be rigid wrapped and shall meet all requirements of the City of Las Vegas.

A minimum of 1 inch diameter for single wire and 1 1/2 inch for 2-wire installations shall be used. At the discretion of the Field Engineer, an approved P.V.C. conduit may be substituted, but only under those areas which at no time will be subject to wheel traffic.

The contractor shall furnish complete service to transformers and control systems if required.

The feed in location is shown subject to availability of power at said location when needed.

Standards used on 5' R/W streets and 60' R/W streets to be set within 3' utility easement back of property line.

Standards used on 80' R/W streets and over to be set 18' back of curb.

When the alignment of the poles makes an angle exceeding 120° 30' a 3 gage pole shall be used.

APPROVALS

AL J. P. Sauer 7-15-63
City Engineer Date

J. P. Sauer 7-3-63
City Electrician Date

Keith R. Thomas 4-12-63
Nevada Power Co. Date

REV.	DATE	DESCRIPTION	BY	APPROVED
2	7/1/63	ADDED EASEMENTS	L.S.	
1	6-26-63	ADDED NOTES	R.L.	
CHARLESTON HEIGHTS				
UNIT NO 27-C				
STREET LIGHTING PLAN				
DESIGNED	13	WESTERN ENGINEERS, INC.		
DRAWN	4 3	LAS VEGAS NEVADA		
CHECKED		APPROVED <u>Keith R. Thomas</u> DATE <u>4-11-63</u>		

