

## STREET LIGHT SPECIFICATIONS

Standards for 51' 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 & 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.

Mercury Vapor Luminaires to be used on 51' R/W & 60' R/W streets, except at intersections, shall be 175 watt, series circuit, 6.6 amp, I.E.S. Distribution Type 3, Line Material Catalog #LM 44A11, or approved equal.

Mercury Vapor Lamps to be used on 51' R/W & 60' R/W streets, except at intersections, shall be 175 watt, Colortone Hi-output white, 8000 lumens, Westinghouse Catalog #H 39-22 KC/W or approved equal.

Mercury Vapor Luminaires to be used on 51' R/W & 60' R/W streets, at intersecting minor streets, shall be 250 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 51' R/W & 60' R/W streets at intersecting minor streets, shall be 250 watt Colortone Hi-output white, 12600 lumens, Westinghouse Catalog #H 37-5 KC/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-filter, or approved equal.

Mercury Vapor Lamps to be used on 80' R/W streets & over shall be 400 watt, Colortone Hi-output white, 24,000 lumens, Westinghouse Catalog #H 33-1-BL/W or approved equal.

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

Overhead wire shall be No. 6 MHD solid bare copper.

Wire in mast arms and underground conduit shall be No. 8 A.W.G. solid copper, 5 K.V. with 19/64" P.V.C. insulation.

Spacing of standards shall be 180 feet maximum on 51' R/W & 60' R/W streets on one side.

Spacing of standards shall be 180 feet maximum on 80' R/W streets on both sides, 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" dia. for single wire and 1 1/2" 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.

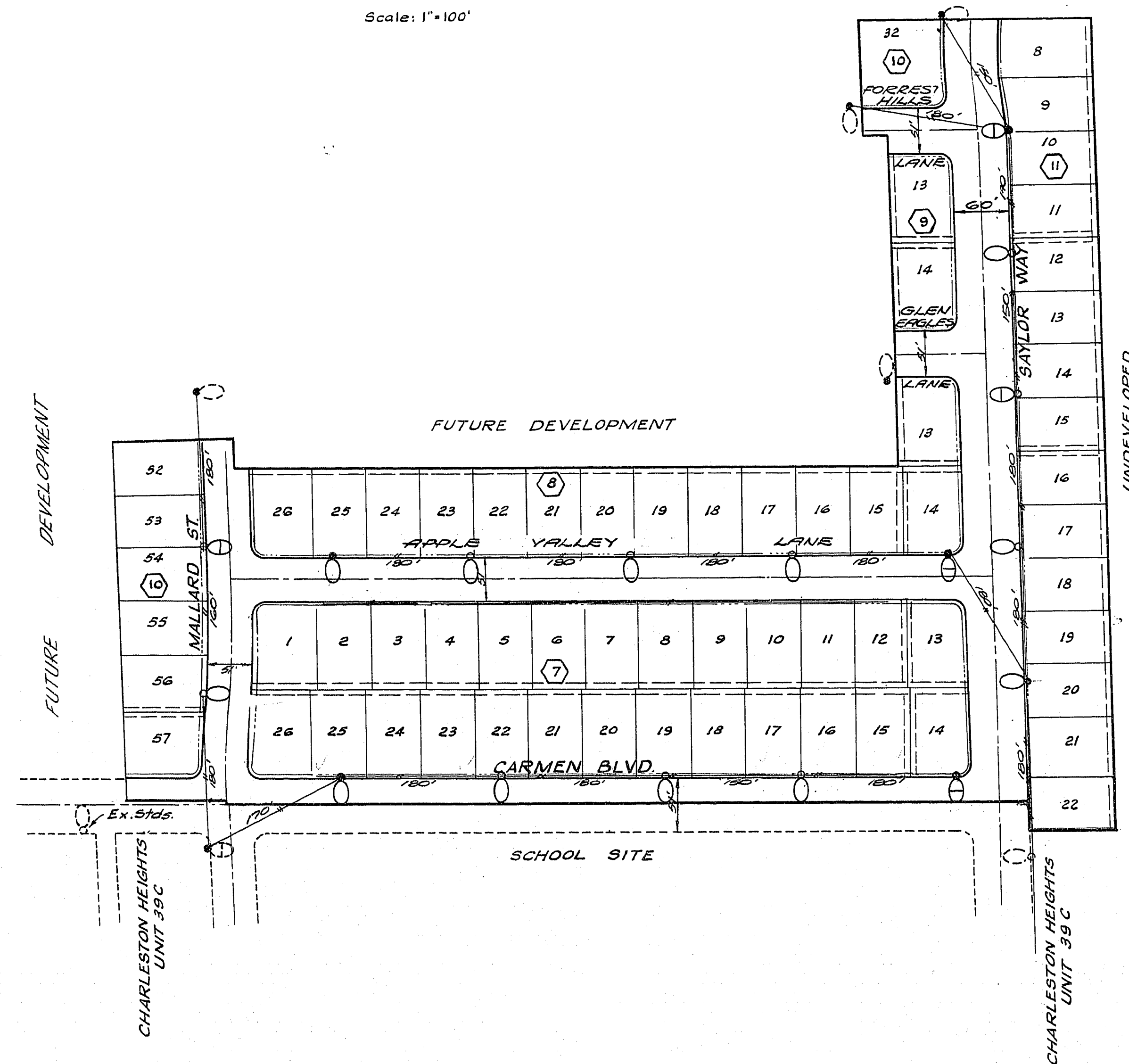
The feed in location is shown subject to availability of power at said location when needed.

When the alignment of the poles make an angle exceeding 12° 30' a 3-gage pole shall be used.

Standards used on 51' R/W & 60' R/W streets to be set within 3' utility easement back of property line.

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

Scale: 1" = 100'



## LEGEND

- 3 Ga. Poles
- 11 Ga. Poles
- 175 W Merc. Vapor Lum.
- 250 W Merc. Vapor Lum.
- Overhead Wire (Double Wire)
- 6' Utility Easement
- 3' Utility Easement

- Req. 6
- Req. 11
- Req. 12
- Req. 5

## APPROVALS

City Engineer W. R. Williams 2-8-63 Date

City Electrician George B. Bissant 1-11-63 Date

Nevada Power Co. Keith R. Thomas 10-23-62 Date

| REV                           | DATE                                         | DESCRIPTION      | BY | APP.    |
|-------------------------------|----------------------------------------------|------------------|----|---------|
| 1                             | 5-28-62                                      | Light relocation | AK | L.S.B.  |
| CHARLESTON HEIGHTS UNIT N-44A |                                              |                  |    |         |
| STREET LIGHT PLAN             |                                              |                  |    |         |
| DESIGNED AK                   | WESTERN ENGINEERS, INC.                      |                  |    | SHEET 1 |
| DRAWN AK                      | LAS VEGAS NEVADA                             |                  |    | OF 1    |
| CHECKED <u>AK</u>             | APPROVED <u>W. R. Williams</u> DATE 10-23-62 |                  |    |         |

2074-1040-44A