

Scale: 1"=50'

**STREET LIGHT SPECIFICATIONS**

Standards for 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 L4, 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 L4, 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 60' R/W streets, except at intersections, shall be 175 watt, series circuit, 6.6 amp., I.E.S. Distribution Type 3, Line Material LM 44 A11 or approved equal.

Mercury Vapor Lamps to be used on 60' R/W streets, at intersections, shall be 175 watt, Colortone HI-output white, 8000 lumens, Westinghouse Catalog #H39-220/W or approved equal.

Mercury Vapor luminaires to be used on 60' R/W streets, at intersecting minor streets, shall be 250 watt, series circuit, 6.6 amp., I.E.S. Distribution Type 3, or approved equal.

Mercury Vapor Lamps to be used on 60' R/W streets at intersecting minor streets, shall be 250 w Colortone HI-output white, 12600 lumens, Westinghouse Catalog #H37-5K/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 #70A0019 Type H-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, Colortone HI-output white, 24000 lumens, Westinghouse Catalog #H33-1 GLM or approved equal.

Foundations shall be constructed and looted to line and 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, 5K.V. with 10/64 inch P.V.C. insulation.

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

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

Spacing of 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 1-1/4 inch for 2-wire installations shall be used. At the discretion of the Field Engineer, "Schedule 40 Only" 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 shall be set one foot back of sidewalk.

Overhead wire shall be continuous from standard to standard with no splices and shall be #6 MHD solid bare copper.

Wire in mast arms and underground conduit shall be #8 AWG solid 5KV with 10/64 inch PVC insulation.

Provide attractive bolt covers on all standards.

**LEGEND**

---	Underground conduit
○	11 Gage Pole
●	3 Gage Pole
+	Single wire
+	Double wire
—	175 W MV Lamp
—	250 W MV "
—	400 W MV "
—	6 Aerial Easement

**ESTIMATES QUANTITIES**

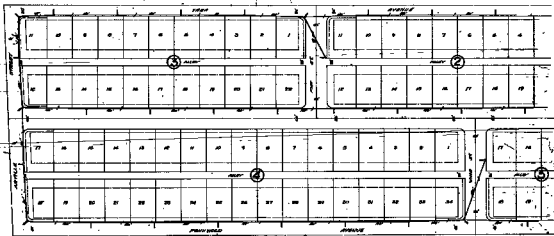
Underground conduit	None
11 G.A. Pole	44 Each
3 G.A. Pole	18 Each
400 W. M.V. Lamp	25 Each
250 W. M.V. Lamp	5 Each
175 W. M.V. Lamp	20 Each
	1

COUNTY ENGINEER

APPROVED *[Signature]* 10-16-62  
 NAVAJO POWER CO. DATE

Revised 11-5-66 DL Revised 12-6-62 JH





**GENERAL NOTES**

1. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND EXISTING STRUCTURES.
5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PROCESS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL DEBRIS AND EXCESS MATERIAL.
7. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY MEASURES AND BARRIERS AROUND THE CONSTRUCTION SITE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND LANDSCAPE FEATURES.
9. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND EXISTING STRUCTURES.

**CONTRACTOR'S OBLIGATIONS**

The contractor shall be responsible for the following:

- Obtaining all necessary permits and approvals from the local authorities.
- Maintaining access to all adjacent properties at all times.
- Protecting all utilities and existing structures.
- Maintaining adequate drainage and erosion control measures throughout the construction process.
- Removing and disposing of all debris and excess material.
- Maintaining adequate safety measures and barriers around the construction site.
- Protecting all trees and landscape features.
- Maintaining adequate access to all adjacent properties at all times.
- Protecting all utilities and existing structures.

**PROPOSED MATERIALS**

Asphalt	1.000
Gravel	1.000
Concrete	1.000
Rebar	1.000
Formwork	1.000
Paint	1.000
Signage	1.000
Lighting	1.000
Drainage	1.000
Erosion Control	1.000

**PROPOSED FINISHES**

Asphalt	1.000
Gravel	1.000
Concrete	1.000
Rebar	1.000
Formwork	1.000
Paint	1.000
Signage	1.000
Lighting	1.000
Drainage	1.000
Erosion Control	1.000

*Handwritten signature or initials*

