



STREET LIGHTING SPECIFICATIONS
UNDERGROUND 240 VOLT SINGLE PHASE TWO WIRE SYSTEM

Street lighting standards shall be as shown by Drawing No. 400.1 page 40 of the Uniform Standard Drawings and must conform to Sections 400 and 405 and any other applicable sections of the Uniform Standard Specifications.

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

Mercury Vapor Luminaires shall be 400 watt 240 volt, I.E.S. distribution type 3 with integral constant wattage ballast similar to General Electric Type M-400, Catalog #C7986004 or approved equal.

400 Watt Mercury Vapor Lamps shall be ASA Code #H33-1GL/W.

Photo Cell and Control to be 120/240 Volts.

Spacing of standards shall be 180 feet maximum on both sides of street staggered to provide 0.9 F.C.

All standards to be set 18" back of curb.

Sch. 40 Rigid Non-Metallic Conduit (PVC) or approved equal complying with Article 347 of the National Electrical Code may be used for underground applications and to be within 12" back of curb and 24" cover.

Fuse Holders and Connectors shall be installed in the bases of all lighting standards, the fuse holders shall be Buss-Tron Hex-AA.

Base covers for lighting standards are not to be installed before breakout caps are placed and inspected. All material used in underground wiring in breakout caps and under base covers to be inspected before installation.

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

Lighting Standard and Mast Arm Cable to luminaire shall be 10/2 U.F. Type 600 Volt copper cable.

The Contractor shall be responsible for avoiding damage to property, either Public or Private and in the event of damage, shall satisfactory make repairs at his own expense.

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

The Service Point standard is to be installed at the approved location shown on plans and to conform to Drawing #401.1 page 44 of the Uniform Standards Drawings.

In the selection of Luminaires one approved manufacturer shall be specified

These specifications to become effective on all City of Las Vegas Multiple Street Lighting Designs approved on or after Sept. 1, 1971 and shall be superseded by any revised specifications existent at the time of installation.

- LEGEND**
- FOUND MONUMENT
 - & FUTURE R/W OR EXIST. R/W
 - ==== CURB & GUTTER
 - 400 W. MERCURY VAPOR LUMINAIRE ON 11 GA. POLE

ESTIMATE OF QUANTITIES

| | |
|------------------------|-----------|
| CURB & GUTTER | 883 L.F. |
| CONC. SIDEWALK | 5420 S.F. |
| VALLEY GUTTER | 48 S.F. |
| 400 W. M.V. LUMINAIRES | 5 EA. |

APPROVALS

George Davis 11-5-71
 City Electrician Date

Bob J. Taylor 11-5-71
 City Engineer Date

J. D. Rubin 11-5-71
 Photo Engineer Date

Edmund A. Weyand 11/4/71
 NEVADA POWER Co. DATE

App'd. Street 700-1177
 Electrical [Signature]

11/9/72 REVISED TO REFLECT R.S.&H. DES. JMR

CHARLESTON HEIGHTS TOWN HOUSES
TRACT 44-D
STREET PLAN & PROFILE
AND STREET LIGHTING PLAN

| | | |
|-------------|---|---------|
| DESIGNED JR | JAY M. RASSLER, R.P.E. CIVIL ENGINEER & SURVEYOR LAS VEGAS NEVADA | SHEET 1 |
| DRAWN JR | | OF 1 |
| CHECKED JMR | APPROVED [Signature] DATE 10/18/71 | |

