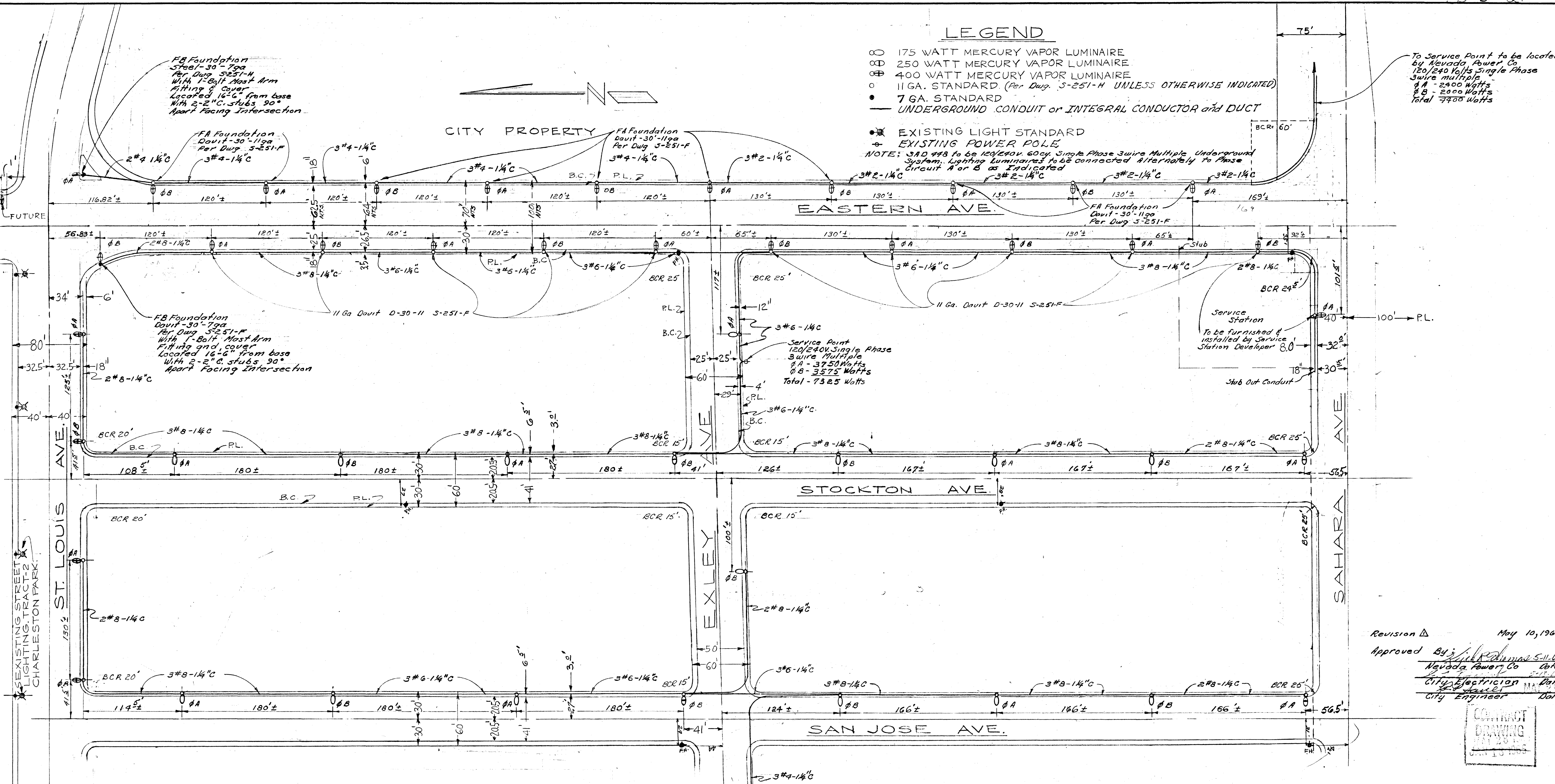


LEGEND

- 175 WATT MERCURY VAPOR LUMINAIRE
- ⊙ 250 WATT MERCURY VAPOR LUMINAIRE
- ⊙ 400 WATT MERCURY VAPOR LUMINAIRE
- 11 GA. STANDARD (Per Dwg. S-251-H UNLESS OTHERWISE INDICATED)
- 7 GA. STANDARD
- UNDERGROUND CONDUIT or INTEGRAL CONDUCTOR and DUCT

EXISTING LIGHT STANDARD
EXISTING POWER POLE
NOTE: S.A.D. #48 to be 120/240V. 60cy. Single Phase 3wire Multiple Underground System. Lighting luminaires to be connected alternately to Phase Circuit A or B as indicated.

To Service Point to be located by Nevada Power Co. 120/240 Volts Single Phase 3wire Multiple. 4A - 2400 Watts 4B - 2000 Watts Total - 4400 Watts



STREET LIGHTING SPECIFICATIONS UNDERGROUND 120-240 VOLT SINGLE PHASE WIRE MULTIPLE SYSTEM

Street lighting standards shall be city of Las Vegas type per standards dep. S-251-C S-251-D, S-251-F, S-251-G or S-251-H as called for on the applicable plans and must conform as to material, workmanship and installation to Section #9, city of Las Vegas Electrical Specifications.

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 51' R/W and 60' R/W streets, except at intersections, shall be 175 Watt, 120/240 Volt constant wattage, I.E.S. Distribution Type 3, similar to Line Material Catalog #144 #2. #144 #2 or approved equal.

Mercury Vapor lamps to be used on 51' R/W and 60' R/W streets, except at intersections shall be 175 Watt, clear, 16,000 Hours, Westinghouse, Catalog #439-22FB, or approved equal.

Mercury Vapor luminaires to be used on 51' R/W and 60' R/W streets, at intersecting minor streets shall be 250 Watt 120/240 Volt, constant wattage, I.E.S. Distribution Type 2, similar to General Electric Type M-250R, Catalog #C77-6012 or approved equal.

Mercury Vapor lamps to be used on 51' R/W and 60' R/W streets at intersecting minor streets shall be 250 Watt, clear, 16,000 Hours, Westinghouse Catalog #437-53B or approved equal.

Mercury Vapor luminaires to be used on 80' R/W streets and over, shall be 400 Watt 120/240 Volt constant wattage, I.E.S. Distribution Type 3, similar to General Electric Type M-400, Catalog #C77-6000. #C77-6002 or approved equal.

Mercury Vapor lamps to be used on 80' R/W streets and over shall be 400 Watt, clear, 16,000 Hours, Westinghouse Catalog #433-1-GB, or approved equal.

Integral Conductor and Duct shall be two 600 Volt insulated conductors and one neutral conductor of the size specified in the applicable plans pre-assembled in a loose fitting flexible polyethylene duct and buried in the ground.

At the discretion of the Field Engineer, Sch. 40 Rigid Non-Metallic Conduit (RNC) or approved equal complying with Article 347 of the national electrical code may be used for underground applications.

Fuse Holders and Connectors shall be installed in the bases of all lighting standards, the fuse holders shall be water tight construction and shall be separable (pull-a-part) to provide a disconnecting means for circuit repairs.

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 and located to line and grade as directed by Field Engineer.

Lighting Standard and Mast Arm Cable to luminaire shall be two conductor #10 standard 600 Volt copper cable. Each conductor shall be plasticized polyvinyl chloride insulated, with an outer jacket of black polyethylene.

Spacing of standards on 51' R/W and 60' R/W streets shall be on one side to provide .43 P.C.

Spacing of standards on 80' R/W streets shall be on both sides staggered, to provide .9 P.C.

Spacing of standards on 100' R/W streets or more shall be on both sides staggered to provide 1.4 to 2.0 P.C.

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

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

The feed-in service when shown is subject to availability of power at the specified location.

These specifications shall be superseded by any revised specifications in existence at the time of installation.

In the selection of 175, 250 and 400 Watt Mercury Vapor luminaires to be used in a particular development one approved manufacturer shall be specified.

Revision Δ May 10, 1965
Approved By: *[Signature]*
Nevada Power Co. Date
City Electrician Date
City Engineer Date

APP'D BY: *[Signature]* DATE
N. P. CO.
APP'D BY: *[Signature]* DATE
CITY ELECTRICIAN

CITY OF LAS VEGAS NEVADA ENGINEERING DEPT.			
S.A.D. #48 METROPOLITAN ADDITION STREET LIGHTING PLAN			
DES. G.W. EVANS	DATE 5-15-63	SC. (H) 1" = 50'	SC. (V)
DR. G.W. EVANS	5-15-63	F.B.K. NO.	
CKD. <i>[Signature]</i>	5-11-65	P.J.O. NO.	
APPROVED BY CITY ENGR. <i>[Signature]</i>		DATE 1-18-65	DRAWING NO. 448