

- GENERAL NOTES:**
- 1) All construction and materials to meet City of Las Vegas standard and specifications.
 - 2) All street light power sources to be placed underground.
 - 3) All wire in conduit to be 600V with sizes as indicated.
 - 4) Luminaires to be multiple voltage PVC conduit to be placed as shown per trench detail.
 - 5) The location of ends of all conduit in structures or terminated at curbs shall be marked with a "T" at least 3" high cut into curb face or structure above conduit.
 - 6) All conduit for future use shall be cleaned, blown out with compressed air and provided with jet line, 2 feet of which shall be doubled back into conduit at each end and the conduit capped.
 - 7) All conduit at the limit of construction shall be stub capped and located for extension of conduit runs and "as built" marked prints returned to the Electrical Engineer.
 - 8) When indicated on the plans, city forces to disconnect all existing high voltage lighting circuits and the contractor is to remove and deliver to city yards all electrical materials under direction of the city electrician.
 - 9) Underground street light specifications dated June 1, 1965 to apply.

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

Street lighting standards shall be as shown by Drawing No. 400.1 page 40 of 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. 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 I.E.S. distribution type 3, with integral constant wattage ballast, similar to Line Material catalog #M44-42 or approved equal.

Mercury Vapor Luminaires to be used on 51' R/W and 60' R/W streets at intersecting minor streets shall be 230 watt 120/240 volt I.E.S. distribution type 2 with integral constant wattage ballast similar to General Electric Type M-250R, catalog #C7066012 or approved equal.

Mercury Vapor Luminaires to be used on 80' R/W streets and over, shall be 400 watt 120/240 volt I.E.S. distribution type 3 with integral constant wattage ballast similar to General Electric Type M-400, catalog #C7040002 or approved equal.

175 watt Mercury Vapor Lamps shall be ASA Code #H39-22K/W.
 230 watt Mercury Vapor Lamps shall be ASA Code #H37-5K/W.
 400 watt Mercury Vapor Lamps shall be ASA Code #H33-1GL/W.

Spacing of standards shall be 180 feet maximum on 51' R/W and 60' R/W streets on one side to provide 0.43 F.C.
 Spacing of standards shall be 180 feet maximum on 80' R/W streets on both sides, staggered to provide 0.9 F.C.
 Spacing of standards on 100' R/W streets or more shall be 120 feet maximum on both sides and staggered to provide 1.4 to 2.0 F.C.

Standards used on 51' R/W and 60' R/W streets to be set within utility easement back of property line.
 Standards used on 80' R/W streets and over to be set 18" back of curb.

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 (PVC) 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 the Field Engineer.

Lighting Standard and Mast Arm Cable to luminaire shall be two conductor #10 stranded 500 volt copper cable. Each conductor shall be plastic insulated polyvinyl chloride insulated, with an outer jacket of black polyethylene.

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 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.

The selection of 175, 230 and 400 watt Mercury Vapor Luminaires to be used in a particular development one approved manufacturer shall be specified.

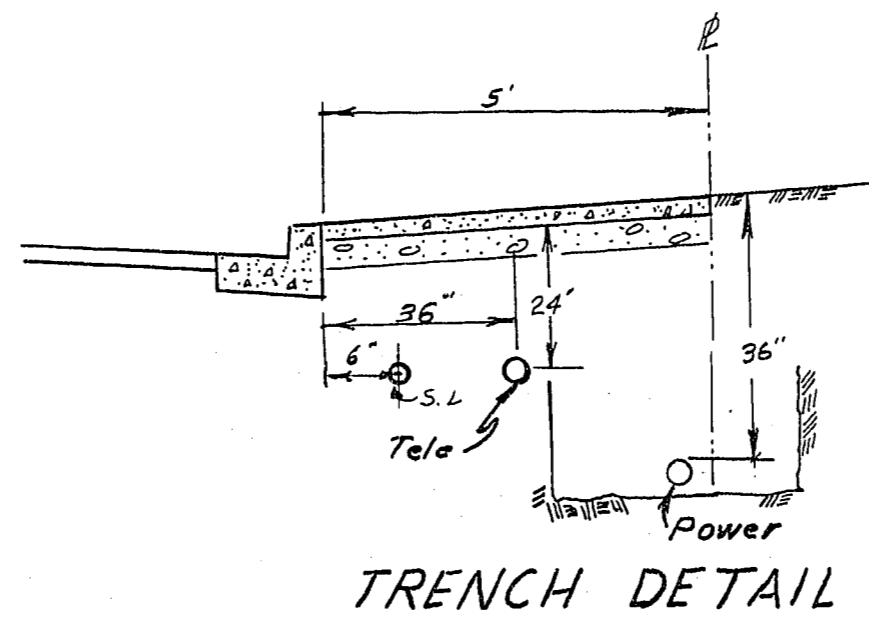
These specifications to become effective on all City of Las Vegas Multiple Street Lighting Designs approved on or after Jan 1, 1968.

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

EXISTING S-2 ZONING

LEGEND & QUANTITY ESTIMATE

- 400 WATT METAL VAP LUMINAIRE 8 EA.
- 175 WATT METAL VAP LUMINAIRE 17 EA.
- 1 1/4" P.V.C. CONDUIT W/CONDUCTOR 25 EA.
- 1 1/4" P.V.C. CONDUIT (NO CONDUCTOR) 370 LF.
- 1 1/4" P.V.C. CONDUIT (NO CONDUCTOR) 260 LF.



APPROVALS

- Melvin C. Sutton 7-22-71
NEVADA POWER COMPANY DATE
- G. H. ... 7-28-71
LAS VEGAS CITY ENGINEER DATE
- C. L. ... by Herbert ... 7-26-71
LAS VEGAS CITY ELECTRICIAN DATE
- J. D. ... 7-26-71
LAS VEGAS FIELD ENGINEER DATE
- Bob ... by G. R. ... 7-26-71
CLV ELECTRICAL COORDINATOR DATE

SUBMITTED BY:

Charley R. Johnson June 2, 1971
CHARLEY R. JOHNSON APE # 3005 DATE

vtu nevada CONSULTING ENGINEERS-PLANNERS
 2209 PARADISE ROAD, LAS VEGAS, NEVADA 89105
 (702) 735-0227

COLLEGE PARK 26
MASTER STREET LIGHT

SCALE	WO. NO. 113-26	DATE June 2, 1971	SHEET	OF
HORIZ: 1"=60'			11	11
VERT:				