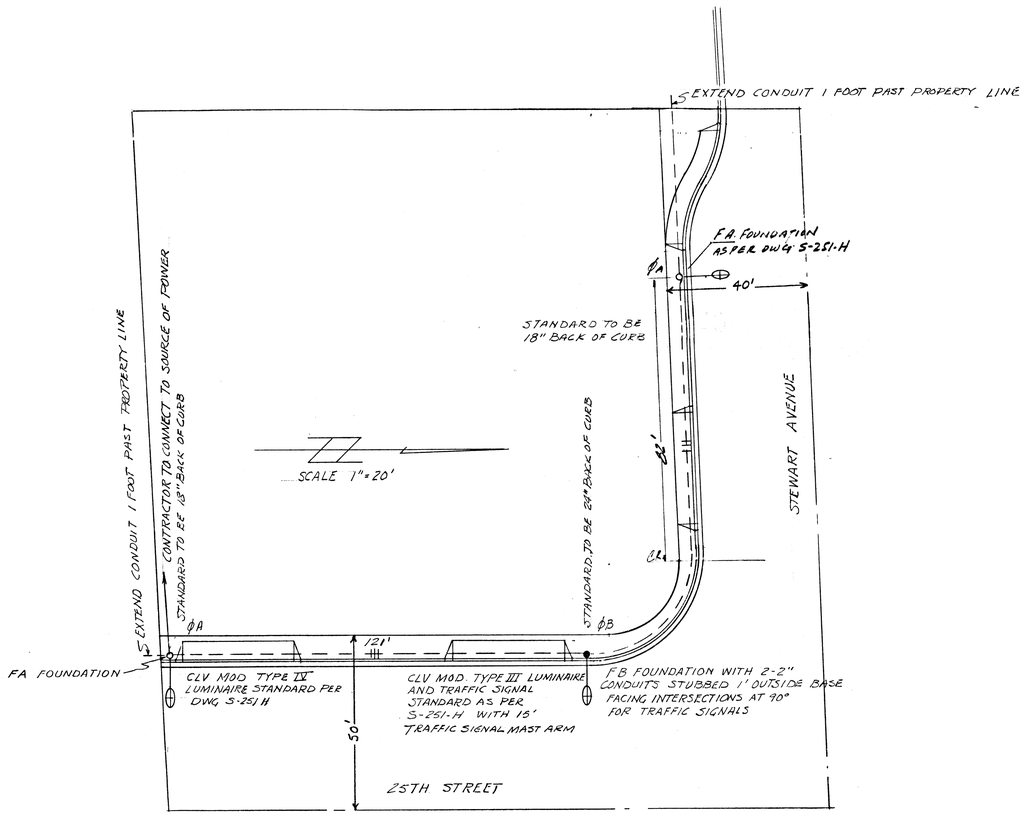
17-5-74



LEGEND

- ⊕ 400 WATT LUMINAIRE WITH PHOTO ELECTRIC CONTROL
- ○ 11 GA. LIGHT STANDARD (2)
- ● 7 GA. LIGHT STANDARD (1)
- —#— UNDERGROUND WIRING 3-#4 WIRES 1¼" CONDUIT

120/240 V. 3W MULTIPLE SYSTEM WITH CONSTANT WATTAGE BALLAST AND CAPACITORS TO PROVIDE 300 VOLTS OPEN CIRCUIT

OUTE	APPROVED		DATE
4	SERVICES		12/16
	RIGHT of WAY		
	CONTRACTS		
6	UTILITIES		12/21
	SUBDIVISION		
2	TRAFFIC		12-15-64
3	FIELD ENG.		12/16/64
1	ENGINEERING		12/21/64
5	D.P.W.		12/21

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

Street lighting standards shall be City of Las Vegas type per standards dwg. 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 #LM47A2 except to deliver 300 V.O.C., and with #WFF 6690 P. E. control, 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 #H39-22KB, 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 #G7480013 except to deliver 300 V.O.C., or approved equal.

Mercury Vapor Lamps to be used on 51' R/W or 60' R/W streets at intersecting minor streets shall be 250 Watt, Clear, 16,000 Hours, Westinghouse Catalog #H37-5KB 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 #G7490003, except to deliver, 300 V.O.C., 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 #H33-1-CD, 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 (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 cops are placed and inspected. All material used in underground wiring, in breakout cops 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 F.C. and shall not exceed 180' maximum.

Spacing of standards on 80' R/W streets shall be on both sides staggered, to provide .9 F.C. and shall not exceed 180' maximum.

Spacing of standards on 100' R/W streets or more shall be on both sides staggered to provide 1.4 to 2.0 F.C. and shall not exceed 120' maximum.

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.

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

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

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.

APPROVALS

NEVADA POWER CO. Zack R. Thomas DATE 11-16-64

CITY ELECTRICIAN L. T. Tennant DATE 12-11-64

CITY ENGINEER V. B. Sullivan DATE 12/21/64

STREET LIGHTING

STEWART AVENUE AND 25TH STREET

JACK K LEAVITT

REGISTERED PROFESSIONAL ENGINEER
LAND SURVEYOR RLS 807

DESIGNED Jack K. Leavitt RLS 807 DATE 11-8-64

CHECKED Jack K. Leavitt RLS 807 DATE 11-12-64

SHEET 1 OF 1

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