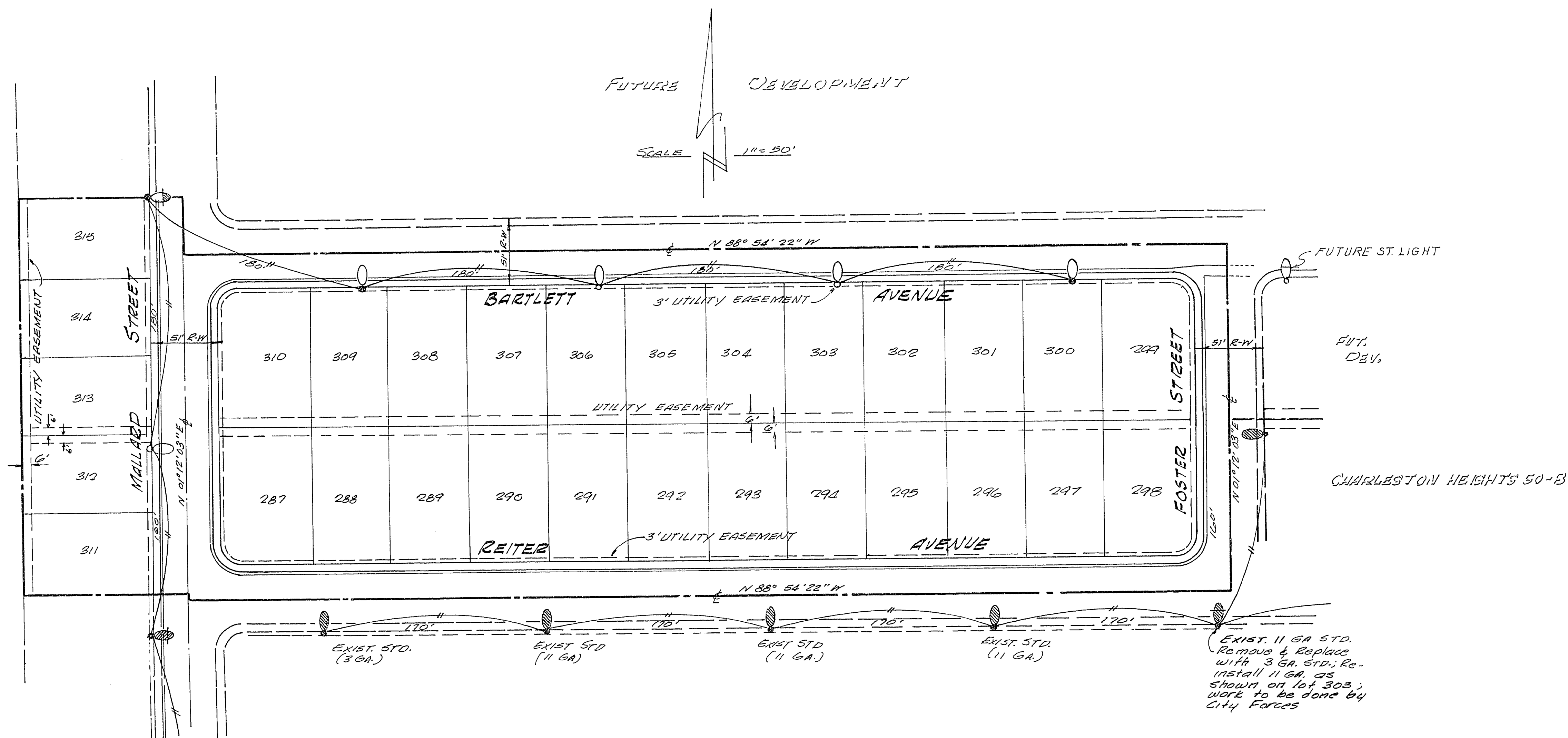




street light specifications
STREET LIGHT SPECIFICATIONS

Standards for 51' R/W and 60' R/W streets shall be Pacific Union Metal Co. Design 5919-A or 5919-B, 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 5919-A or 5919-B, 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 51' R/W and 60' R/W streets, except at intersections, shall be 175 Watt, series circuit, 6.6 amp., I.E.S. Distribution Type 3, Line Material Catalog #LW4411, 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, Color-tone Hi-Output White, 12,000 Hours, Westinghouse Catalog #H39-22KC/V, 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, series circuit, 6.6 amp., I.E.S. Distribution type 2, General Electric Catalog #C705G013, Type M-250R 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, Color-tone Hi-Output White, 12,000 Hours, Westinghouse Catalog #H37-5KC/V, 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 #C704G010 Type M-400 mounted with a 2" slip-filter, or approved equal.

Mercury Vapor Lamps to be used on 80' R/W streets and over shall be 400 Watt, Color-tone Hi-Output White, 12,000 Hours, Westinghouse Catalog #H33-1-GL/V, or approved equal.

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

Base covers not to be placed 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.

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, 5 K.V. with 7/64 inch minimum P.V.C. insulation.

Spacing of standards shall be 180 feet maximum on 51' R/W and 60' R/W streets on one side.

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 of any such damage, shall make satisfactory repairs at his own expense.

Underground conduit shall be rigid wrapped and shall meet all requirements of the City of Las Vegas. Location of underground conduit shall be determined by Field Engineer. A minimum of 1 inch diameter for single wire and 1-1/4 inch for 2-wire installations shall be used when applicable and at the discretion of the Field Engineer, Sch. 40 Rigid Non-metallic Conduit (PVC) or approved equal, complying with Article 347 of the National Electric Code may be used for underground applications.

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.

When the alignment of the poles makes an angle exceeding 12°30', a 7-gauge pole shall be used.

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 superceded by any revised specifications in existence at the time of installation.

These specifications to become effective on all City of Las Vegas Street Lighting Designs approved on or after April 1, 1964.

LEGEND & QUANTITIES		
175 WATT MERC. VAPOR LUMINAIRE		6 EA.
250 WATT MERC. VAPOR LUMINAIRE		1 EA.
7 GA. ST. LIGHT STANDARD		4 EA.
11 GA. ST. LIGHT STANDARD		3 EA.
EXIST. LIGHT & STANDARD		
DOUBLE OVERHEAD WIRING		1220 LF

APPROVED:
Richard Thomas 9-30-65
NEVADA POWER CO. DATE
R. P. Sauer 11-23-65
CITY ENGINEER DATE
C. L. R. Smith 11-12-65
CITY ELECTRICAL DEPT. DATE

SUBMITTED:
TROJAN ENGINEERING INC. DATE

DES	RD	TROJAN ENGINEERING INC.	Sheet
DR	R	1929 S. WESTERN	3
CHK	HR	LAS VEGAS	NEVADA
		APPROVED BY: <u>[Signature]</u> DATE: <u>11-12-65</u>	

207 Y. 1040.50.D-1