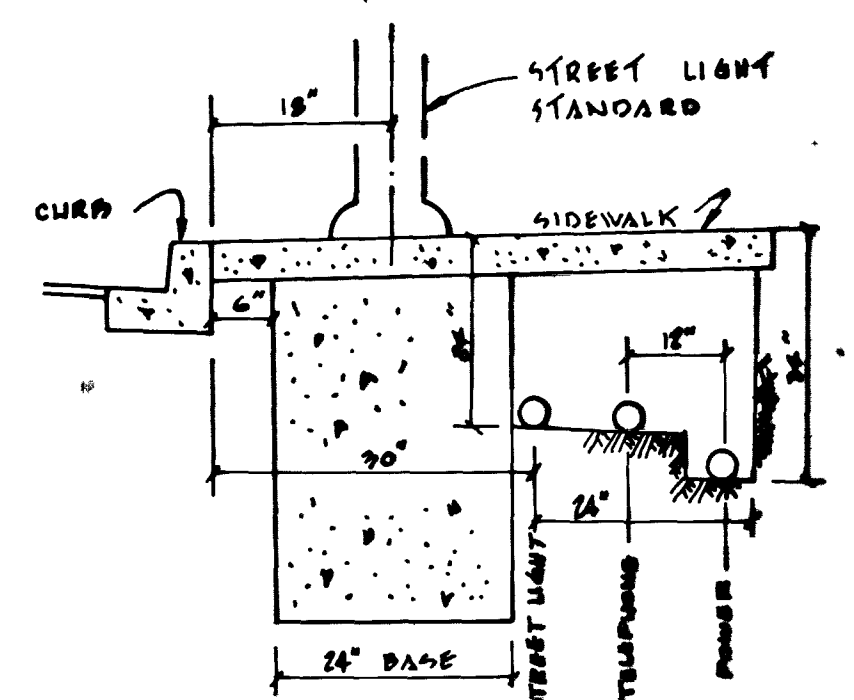
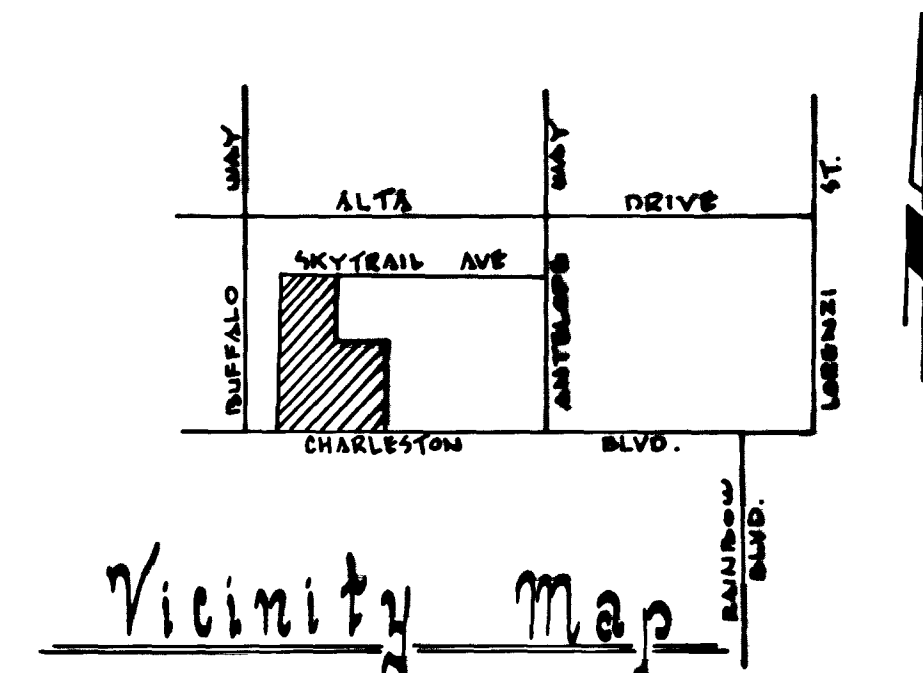
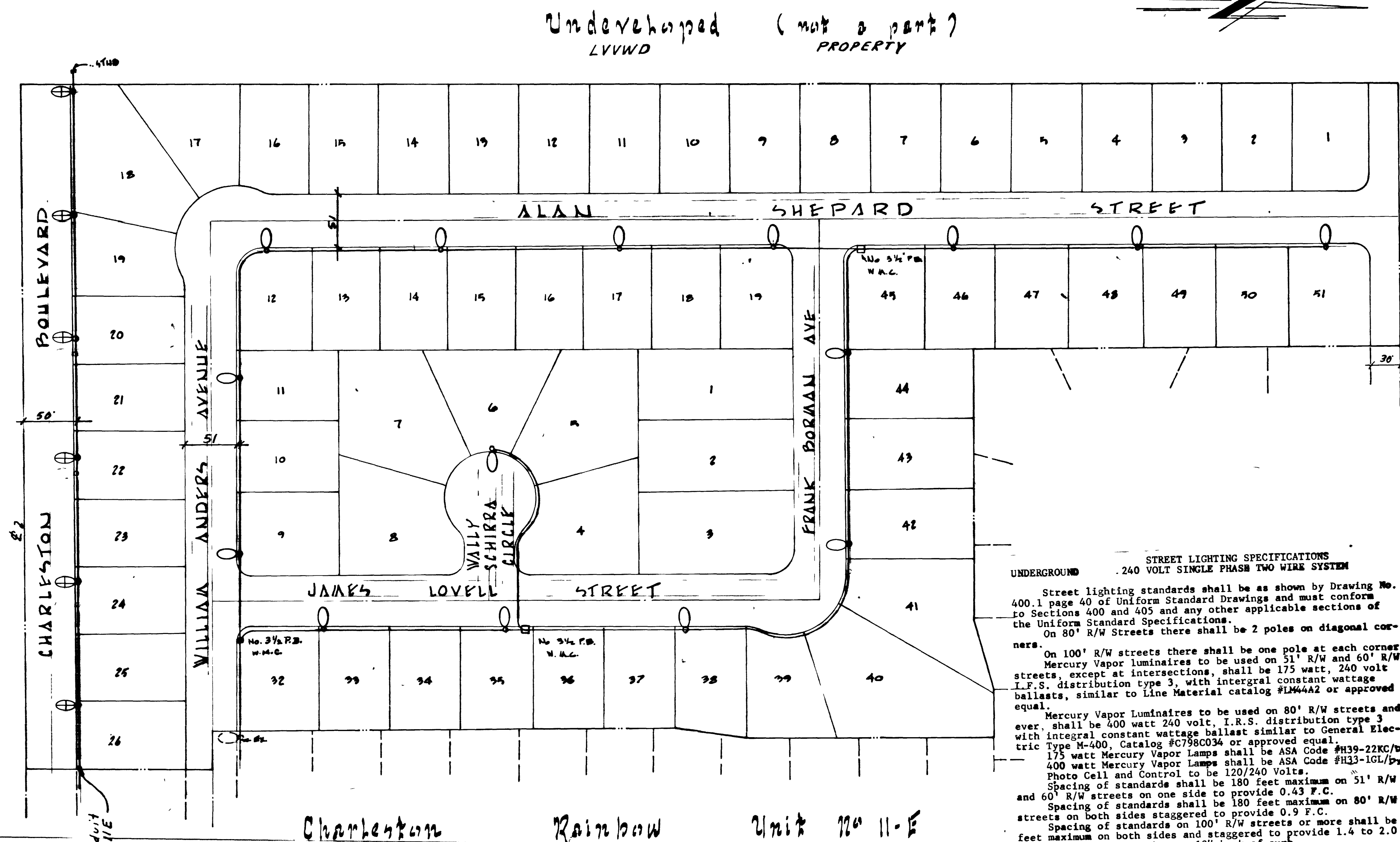




STREET LIGHTING SPECIFICATIONS
UNDERGROUND 240 VOLT SINGLE PHASE TWO WIRE SYSTEM

Street lighting standards shall be as shown by Drawing No. 400.1 page 40 of 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, 240 volt I.F.S. distribution type 3, with integral constant wattage ballasts, similar to Line Material catalog #LM44A2 or approved equal.

Mercury Vapor Luminaires to be used on 80' R/W streets and over, shall be 400 watt 240 volt, I.R.S. distribution type 3 with integral constant wattage ballast similar to General Electric Type M-400, Catalog #C798C034 or approved equal.

175 watt Mercury Vapor Lamps shall be ASA Code #H39-22KC/Ds

400 watt Mercury Vapor Lamps shall be ASA Code #H33-1GL/Ds

Photo Cell and Control to be 120/240 Volts.

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.

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-Trom-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 and located 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 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 Paint standard is to be installed at the approved location shown on plans and to conform to drawing #401.1, page 44 of the Uniform Standard Drawings.

In the selection of 175 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 September 1, 1971.

These specifications shall be superseded by any revised specifications in existence at the time of installation.

LEGEND & QUANTITY ESTIMATE

○	175 WATT STREET LIGHT	14 EA.
⊕	400 WATT STREET LIGHT	4 EA.
○	11 1/2" LIGHT STANDARD	21 EA.
—	1 1/4" P.V.C. SCHEDULE 40 CONDUIT	3992 L.F.

NOTE: FIELD NOTES TO BE 2" x 4"

APPROVALS:

Michael B. Coleman 5/22/75
 NEVADA POWER COMPANY DATE

James Hamer 5/26/75
 LAS VEGAS CITY ENG. DATE

J.D. Duber 5-29-75
 LAS VEGAS FIELD ENG. DATE

George Lewis 5-13-75
 LAS VEGAS CITY ELECTRICIAN DATE

Bob P. J. Lee 9-20-74
 C.E.V. ELECTRICAL COORDINATOR DATE

Nevada Power Company approves the point of service to the street lighting system. This shall not be deemed to constitute an endorsement of the light poles which may be used in the system by the Power Company's prior right and/or license.

5/22/75
 (Date)
Michael B. Coleman
 NEVADA POWER COMPANY

SUBMITTED BY:

Charles R. Johnson June 3, 1974
 CHARLEY R. JOHNSON R.P.E. 2000 DATE

VTN CONSULTING ENGINEERS • PLANNERS			
Charleston Rainbow Unit No. 11-E			
MASTER STREET LIGHTING			
SCALE	WO NO. 1066-11F	DATE 6/3/74	SHEET
HORIZ 1" = 40'	DES	REV	10
VERT	CHK	REV	10

