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.

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-Tron-Hex-AA.

Base covers for lighting standards are not to be installed before breadout 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.

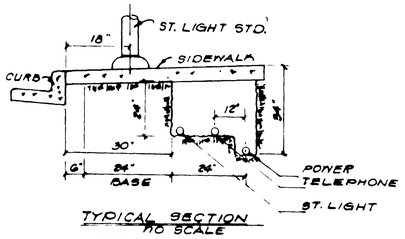
The Contractor shall furnish complete service to transformers and control systems, if required.

The Service 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

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

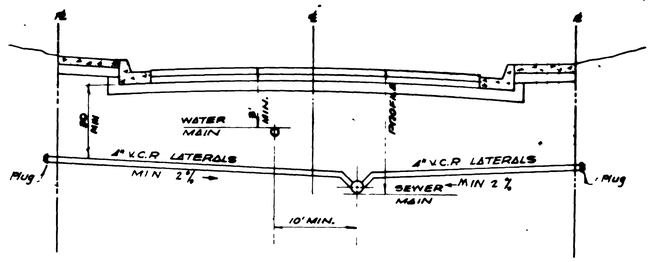
These specifications to become effective on all City of Las Vegas Multiple Street Lighting Designs approved on or after September 1, 1971.

These specifications shall be superseded by any revised specifications in existence at the time of installation.



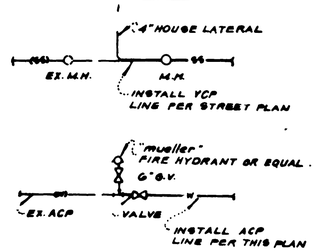
TYPICAL SECTION
NO SCALE

NOTE:
Refer to N.P.Co. underground STD Sht. No. 12-A-1-1 & 1 2 for backfill requirements.



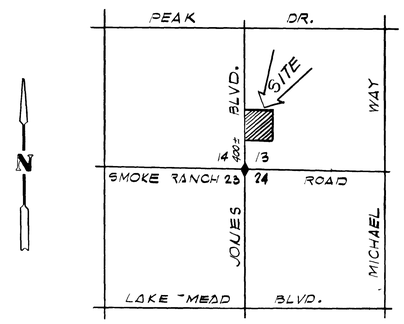
TYPICAL SEWER LATERAL DETAIL
NO SCALE

LEGEND



GENERAL NOTES (L.V.V.W.D.)

1. ALL WORK TO CONFORM TO LAS VEGAS VALLEY WATER DISTRICT STANDARD PLATES.
2. ALL WORK, EXCEPT AS MODIFIED HEREON OR BY NOTE NO.1 SHALL BE DONE IN ACCORDANCE WITH THE 1978 EDITION OF UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS CLARK COUNTY AREA
3. NOTICE TO BE GIVEN ENGINEERING DEPARTMENT OF THE LAS VEGAS VALLEY WATER DISTRICT 48 HOURS PRIOR TO ACTUAL CONSTRUCTION.
4. SERVICE SADDLES OR TAPPED COLLARS WILL BE REQUIRED ON ALL SERVICES, DOUBLE TAP COLLARS ARE NOT PERMITTED.
5. ALL LINES TO BE PRESSURE TESTED TO 200 PSI.
6. ALL VALVE BOXES SHALL HAVE CONCRETE COLLARS AT SURFACE OF PAVED AREAS.
7. DEFLECTION ANGLE SHALL NOT EXCEED 2½ DEGREES PER 13 FOOT SECTION OF PIPE FOR PIPE SIZES SMALLER THAN 14 INCHES AND SHALL NOT EXCEED 2 DEGREES FOR PIPE SIZES BETWEEN 14 INCHES AND 16 INCHES.
8. ALL METERS SHALL BE LOCATED OUTSIDE OF DRIVEWAYS.



VICINITY MAP

APPROVALS:

William Harris — 4/19/78
LAS VEGAS CITY ENGINEER — DATE

4-18-78
LAS VEGAS FIELD OPERATIONS ENGR — DATE

4/1/78
QUALITY CONTROL ENGINEER — DATE

4-13-78
LAS VEGAS SANITATION SUPERINTENDENT — DATE

Howard K Vanderman P.E. 4/17/78
LAS VEGAS VALLEY WATER DISTRICT — DATE

REVISION NO	DESCRIPTION	BY	DATE	APPROVAL

REVISIONS

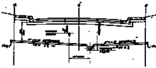
LEWIS HOMES-SMOKE RANCH EST NO. 5
Las Vegas, Nevada
Street Lighting, Water and Sewer
General Notes and Details

ALCA ENGINEERING INC.
CIVIL ENGINEERING - SURVEYING
2765 SOUTH HIGHLAND DRIVE SUITE #103
LAS VEGAS, NEVADA 89109 PH. 732-2105

SCALE (H)	SCALE (V)	DATE	JOB NO
DES			7509-1-3D
DR			SHEET 7 OF 7
AR-2376			

4-12-78

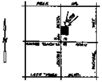
4489 XC-1663 QS 33-J 307Y-2028-5 237-7



TYPICAL SEWER LATERAL DETAIL

NO SCALE

LEGEND



VICINITY MAP

APPROVALS:

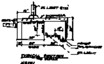
LAS VEGAS CITY ENGINEER

LAS VEGAS FIELD OPERATIONS ENGR.

TRAFFIC CONTROL ENGINEER

LAS VEGAS DIVISION SUPERINTENDENT

LAS VEGAS VALLEY WATER DISTRICT



TYPICAL SECTION

NO SCALE

LEWIS HOMES- SMOKE RANCH EST NO. 5

Las Vegas, Nevada

Street Lighting, Water and Sewer General Notes and Details

ALCA ENGINEERING INC.

SHEET 7 of 7

KC-1663