

L-1014

DETAIL 1

SERVICE POINT FOR STREET LIGHTING

SUPERSEDES DRAWING NO 401.1 (44)

DETAIL 2
SERVICE POINT & LIGHTING CONTROL
SUPERSEDES DRAWING NO. 4012 (45)

DETAIL 3
CONTACTOR & METERED SERVICE
MOUNTED ON STREET LIGHT POLE FOR UNDERGROUND WIRING

STANDARD NOTES FOR STREET LIGHT INSTALLATIONS

1. The street lighting service point shall be designated by the serving utility company (Nevada Power Company) and shall be located near the center point of the circuit whenever possible. If the power source designated by the serving utility originates on, or crosses, private property, easement must be obtained by the developer for the Clark County Department of Public Works. This easement must include a three (3) foot wide by 24 inch deep area for occupation of the service conduit and wire to such a point as it enters a permanent area of Clark County right of way and must be documented.
2. The street lighting service shall be multiple, 120/240 volt, 3-wire, single phase, and shall be circuit breaker type wired and rated at 100 amps. Wire shall be two (2) #2 THW black stranded copper wire and one (1) #2 THW white stranded copper wire. A #4 SD copper wire shall be installed from the neutral bar to the pole ground for bonding.
3. The loading circuit shall have a 60 amp circuit breaker/fusing a multiple relay (Southbend type MR-UT, 60 amp or approved equal) complete with photo-control (Fisher Pierce #6690-B or approved equal) for control of the circuit. Wire for the load side of the circuit shall be two (2) #4 THW black stranded copper wire and one (1) #6 THW white stranded copper wire, unless specified otherwise.
4. In-line fuses shall be installed in both hot legs and shall be Type HEX-AA or approved equal, fused at 10 amps.
5. Luminaires shall be of cobra-head design, 240 volt High Pressure Sodium. Wattage shall be as specified.
6. Included in the service enclosure shall be a single-pole, single-throw switch (Fisher #5 or approved equal). Also, two (2) #12 TH colored stranded copper wires shall be installed from the control circuit BLOC to the service panel. (Clark County Electrical Division will make connections).
7. All street light standards shall be placed fifteen inches (15") into right-of-way (See detail on sht. 16). Conduit shall be 1-1/4 inch PVC, schedule 40, placed at a minimum depth of 24 inches.
8. All street lighting circuits shall be energized before they will be accepted. If no working circuit is available, a new service is required. If existing circuits are loaded (45 amps on a 60 amp circuit, 80 amps on a 100 amp circuit) a new service is required.
9. In the event luminaires equipped with photo-electric relays are used when not applicable, an approved shorting cap (GE #C403C003A or approved equal) shall be installed.
10. Any place there is an overhead utility that is in conflict with the installation of the street lighting standards and luminaires, it shall be the developer's responsibility to resolve these conflicts with the serving utility involved at no expense to Clark County.
11. Any structure such as block walls, chainlink fences, retaining walls, etc. shall have a minimum clearance of two (2) feet to the center of the street lighting pole on all sides and shall at no time completely enclose the street lighting pole.
12. In the event that Mercury Vapor Luminaires are specified, they shall be of cobra-head design, 120/240 volt, wired 240 volt, with High Power Factor Ballasts. Lamps shall be Delux White.

NOTE:

DETAILS ON THIS DRAWING SUPERSEDES DRAWINGS IN
THE "UNIFORM STANDARD DRAWINGS" BOOK AND CITY
OF LAS VEGAS "TRAFFIC SIGNAL STANDARD DRAWINGS."

#1	5-21-81	Note # 2, 5, 12, Detail #1		d-d-f.
REV. NO.	DATE	DESCRIPTION		APPROVED
CLARK COUNTY, NEVADA ENGINEERING DIVISION				
NELLIS BOULEVARD PHASE II STANDARD DETAILS STREET LIGHTING & TRAFFIC SIGNALS				sheet 41
PROJECT NO.	F.L.D. BK.	DATES	SCALE	HORIZ.
DRAWN BY G. SUCKOW		10-12-78		VERT.
DESIGNED BY L. MURARIK			DRAWING NO.	107-118
CHECKED BY				

DETAIL 4

DETAIL 5

1960

