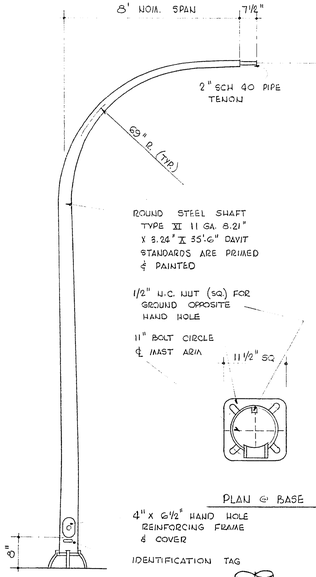
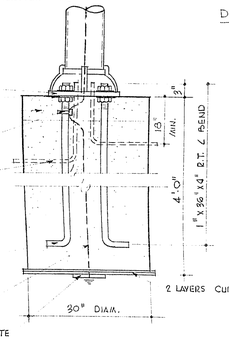
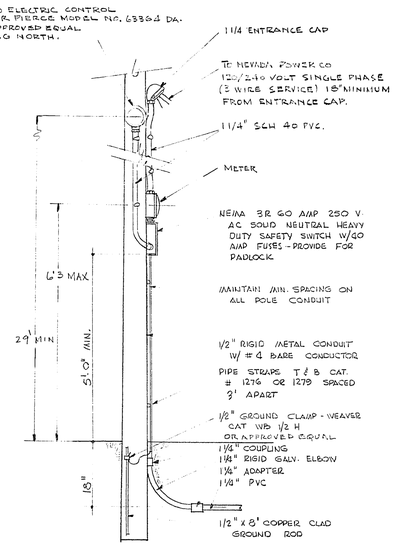


POLE DETAIL

C.L.V. DWG - S 251 - F

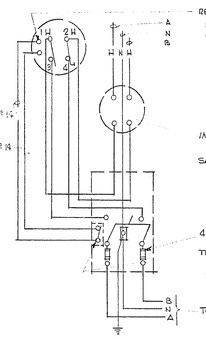


BASE DETAIL



SERVICE POINT

DRAWING STANDARD NO. S 252 C



THE LOCATION OF ENDS OF ALL COND. IN STRUCTURES OR TERMINATING AT CURBS SHALL BE MARKED BY AT LEAST 3' HIGH CUT INTO FACE OF CURB, GUTTER OR WALL DIRECTLY ABOVE CONDUIT.

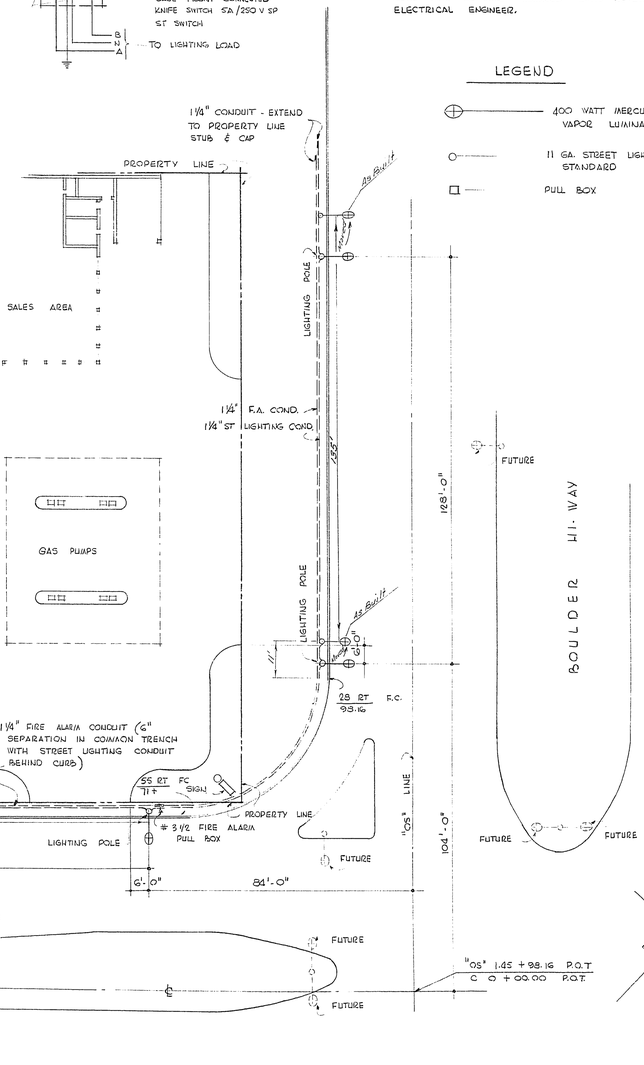
CONDUIT SHALL BE LAID TO A DEPTH OF NOT LESS THAN 18" BELOW THE CURB GRADE IN SIDEWALK AREAS & TO A DEPTH OF NOT LESS THAN 24" BELOW THE FINISHED SURFACE IN THE STREET AREAS EXCEPT THAT CONDUIT MAY BE LAID TO A DEPTH OF NOT LESS THAN 18" BELOW CURB GRADE IN CURB DIVIDING STRIPS.

ALL CONDUITS FOR FUTURE USE SHALL BE CLEANED, BLOWN OUT WITH COMPRESSED AIR & PROVIDED WITH A # 9 AWG GALV. IRON PULL WIRE, 2' OF PULL WIRE SHALL BE DOUBLED BACK INTO COND. AT EACH TERMINATION & THE END OF COND. SHALL BE CAPPED.

ALL CONDUITS AT LIMITS OF CONSTRUCTION SHALL BE STUBBED CAPPED & LOCATED FOR FUTURE EXTENSION OF COND. RUNS AND 'AS BUILT' MARKED POINTS RETURNED TO ELECTRICAL ENGINEER.

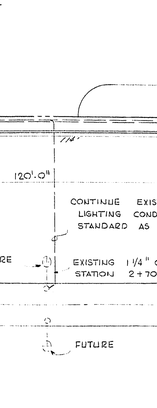
LEGEND

- 400 WATT MERCURY VAPOR LUMINAIRE
- 11 GA. STREET LIGHTING STANDARD
- PULL BOX



ELECTRICAL PLOT PLAN

SC. 1" = 20'-0"



DETAIL

SC. 1/4" = 1'-0"

NOTES

UNDERGROUND 120/240 VOLT SINGLE PHASE 3 WIRE MULTIPLE SYSTEM STREET LIGHTING STANDARDS SHALL BE CITY OF LAS VEGAS TYPE PER DWG S-251-F AND MUST CONFORM TO MATERIALS, WORKMANSHIP & INSTALLATION TO SECTION # 9 CITY OF L.V. SPECS.

MERCURY VAPOR LUMINAIRES SHALL BE 120/240 VOLT WITH INTEGRAL CONSTANT WATTAGE BALLAST I.E.S. DISTRIBUTION TYPE 3, SIMILAR TO G.E. TYPE M-400, CATALOG # C7049002 OR APPROVED EQUAL.

400 WATT MERCURY VAPOR LAMPS SHALL BE CLEAR, 16,000 HOURS WESTINGHOUSE CATALOG # LU-33-1-CO OR APPROVED EQUAL.

INTEGRAL CONDUCTOR & DUCT SHALL BE TWO 600 VOLT INSULATED CONDUCTORS AND ONE NEUTRAL CONDUCTOR OF THE SIZE SPECIFIED ON PLAN PRE-ASSEMBLED IN A LOOSE FITTING FLEXIBLE POLYETHELENE DUCT & BURIED IN THE GROUND.

AT THE DISCRETION OF THE FIELD ENGINEER, SCH 40 RIGID NON-METALIC CONDUIT (PVC) OR APPROVED EQUAL COMPLYING WITH ARTICLE 347 OF THE NATIONAL ELECTRIC CODE MAY BE USED FOR UNDERGROUND APPLICATIONS.

FUSE HOLDERS & CONNECTORS SHALL BE INSTALLED IN THE BASES OF ALL LIGHTING STANDARDS, THE FUSE HOLDERS SHALL BE WATER TIGHT CONSTRUCTION & 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 BREAK-OUT CAPS ARE PLACED & INSPECTED. ALL MATERIAL USED IN UNDERGROUND WIRING, BREAKOUT CAPS & UNDER BASE COVERS TO BE INSPECTED BEFORE INSTALLATION.

FOUNDATIONS SHALL BE CONSTRUCTED AND LOCATED TO LINE AND GRADE AS DIRECTED BY FIELD ENGINEER. CONCRETE SHALL BE GRADE A 3000 #/SQ. INCH.

LIGHTING STANDARD & MAST ARM CABLE TO LUMINAIRE SHALL BE TWO CONDUCTOR # 10 STRANDED 600 VOLT COPPER CABLE. EACH CONDUCTOR SHALL BE PLASTICIZED POLYVINYL CHLORIDE INSULATED, WITH AN OUTER JACKET OF BLACK POLYETHYLENE.

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 & CONTROL SYSTEMS IF REQUIRED.

THE FEED-IN SERVICE WHEN SHOWN IS SUBJECT TO AVAILABILITY OF POWER AT THE SPECIFIED LOCATION.

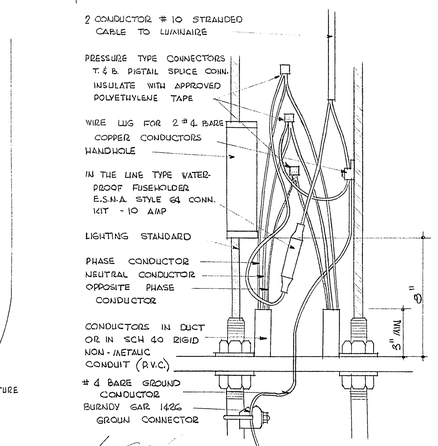
MINIMUM YIELD STRENGTH OF LIGHTING STANDARD AFTER FABRICATION SHALL BE 48,000 P.S.I.

EACH LUMINAIRE SHALL HAVE PHOTO ELECTRIC CONTROL

ALL 11 GA. ST. LIGHTING STANDARDS SHALL BE 18" BACK OF CURB

LIGHTING SYSTEM TO BE 120/240 VOLT 60 CYCLE SINGLE PHASE 3 WIRE MULTIPLE UNDERGROUND LUMINAIRES TO BE CONNECTED ALTERNATELY TO PHASE CIRCUIT A (RED) B (BLACK) AS INDICATED.

FIRE ALARM CONDUIT SHALL BE IDENTIFIED BY MEANS OF A CONTINUOUS RED PAINTED STRIPE



Electrical Engineer 12-6-65

for City Engineer 1/5/66

WIRING DIAGRAM

DRAWN BY:

DATE:

CHECKED:

TED WIENS' Firestone Store

ST SAHARA AVENUE - EAST

BOULDER HIGHWAY & LAS VEGAS

ELECTRICAL - STREET LIGHTING

NOTES & DETAILS

SH. 1

207-V122