



STREET LIGHTING & ITS LEGEND

- 1 INSTALL STREET LIGHT POLE & FOUNDATION WITH 250w LUMINAIRE PER USDOCA STD. DWG. NO. 314.
- 1A INSTALL STREET LIGHT POLE & FOUNDATION WITH 250w LUMINAIRE (15' ARM) PER USDOCA STD. DWG. NO. 316.
- 1B RELOCATE STREET LIGHT TO NEW FOUNDATION PER USDOCA STD. DWG. NO. 319.
- 1C RELOCATE STREET LIGHT (15' ARM) TO NEW FOUNDATION PER USDOCA STD. DWG. NO. 319.
- 2 INSTALL STREET LIGHT POLE & FOUNDATION WITH 400w LUMINAIRE PER USDOCA STD. DWG. NO. 314.
- 2A INSTALL STREET LIGHT POLE & FOUNDATION WITH 2-400w LUMINAIRES PER USDOCA STD. DWG. NO. 315.
- 3 INSTALL STREET LIGHT POLE & FOUNDATION WITH 150w LUMINAIRE PER USDOCA STD. DWG. NO. 314.
- 4 SEE TRAFFIC SIGNAL PLANS FOR INSTALLATION OF INTERSECTION LUMINAIRES.
- 5 INSTALL NDOT TYPE "A" UNDERPASS LUMINAIRE WITH 150w LUMINAIRE PER NDOT STD. DWG. T-30.1.19.
- 5A INSTALL NDOT SIGN STRUCTURE LIGHTING FIXTURE WITH 150w LUMINAIRE PER NDOT STD. DWG. T-30.1.16.1. (SEE SIGNING PLANS FOR ADDITIONAL DETAILS)
- 6 INSTALL 100' TALL HIGHMAST LIGHT WITH 4-400w LUMINAIRES PER NDOT STD. DWG. T-30.1.11.
- 7 INSTALL 120' TALL HIGHMAST LIGHT WITH 6-400w LUMINAIRES PER NDOT STD. DWG. T-30.1.11.
- 8 EXISTING STREET LIGHT POLE, FOUNDATION & LUMINAIRE TO REMAIN.
- 9 REMOVE EXISTING STREET LIGHT POLE, FOUNDATION & LUMINAIRE. RETURN TO CITY OF LAS VEGAS.
- 10 INSTALL No. 3 1/2 PULLBOX PER USDOCA STD. DWG. NO. 404.110. (MARK "STREET LIGHT").
- 11 INSTALL No. 5 PULLBOX PER USDOCA STD. DWG. NO. 404.120. (MARK "STREET LIGHT").
- 12 INSTALL No. 7 PULLBOX PER USDOCA STD. DWG. NO. 404.130. (MARK "STREET LIGHT").
- 13 INSTALL TYPE 1 JUNCTION BOX, INTEGRATED INTO BARRIER RAIL PER NDOT STD. DWG. T-30.1.20 (MARK "STREET LIGHT").
- 14 INSTALL P30 PULLBOX PER USDOCA STD. DWG. NO. 404.132, WITH COMPOSITE H20 LOADING RATED LID AT 750' MAXIMUM SPACING. (MARK "FIBER OPTIC").
- 15 INSTALL TYPE 200 SPLICE VAULT PER USDOCA STD. DWG. NO. 404.133. (MARK "FIBER OPTIC").
- 16 EXISTING No. 3 1/2 PULLBOX. PROTECT IN PLACE.
- 17 EXISTING No. 5 PULLBOX. PROTECT IN PLACE.
- 18 EXISTING No. 7 PULLBOX. PROTECT IN PLACE.
- 19 EXISTING P30 PULLBOX. PROTECT IN PLACE.
- 20 INSTALL SERVICE PEDESTAL PER USDOCA STD. DWG. NO. 404.214.
- 21 INSTALL TRAFFIC SIGNAL CONTROLLER CABINET. SEE TRAFFIC SIGNAL PLANS.
- 22 INTERCEPT EXISTING ITS CONDUIT AND INSTALL P30 PULLBOX. SEE NOTE 4. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF CONDUIT IN THE FIELD.
- 23 SEE ONLINE DIAGRAMS ON SHEET L18 FOR CONDUIT AND CONDUCTOR SIZES.
- 24 PROPOSED NEVADA POWER TRANSFORMER.
- 25 UNDERPASS JUNCTION BOX PER NDOT STD. DWG. NO. T-30.1.19.
- 26 INSTALL TRAFFIC CONTROL TEMPORARY IMPACT ATTENUATORS PER NDOT STD. DWG. T-35.2.1 (75mph DESIGN SPEED)

LIGHTING NOTES:

1. ALL WORK TO BE DONE IN ACCORDANCE TO THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS CLARK COUNTY AREA NEVADA AS ADOPTED BY THE CITY OF LAS VEGAS.
2. ALL STREET LIGHTING WIRE SHALL BE COPPER WITH THW INSULATION.
3. ALL PULLBOXES ARE NO. 3-1/2 UNLESS NOTED OTHERWISE.
4. FIELD VERIFY EXISTING UNDERGROUND CONDUIT AND PULLBOXES, UTILIZE EXISTING CONDUIT WHERE POSSIBLE AND INSTALL NEW CONDUIT AS REQUIRED PER PLANS.

WIRING AND CONDUIT LEGEND

- 1 INSTALL 1" CONDUIT WITH: (2) #10 & (1) #6 GROUND.
- 2 INSTALL 2" CONDUIT WITH: #8 GREEN WIRE.
- 3 INSTALL 2" CONDUIT WITH: (2) #4 & (1) #6 GROUND.
- 4 INSTALL 4" ITS CONDUIT WITH: 6 PAIR PE39 #22 AWG TRACER & TRUE TAPE OR APPROVED EQUAL PULL STRING.
- 5 INSTALL 4" ITS CONDUIT WITH: 72 STRAND FIBER OPTIC CABLE & 6 PAIR PE39 #22 AWG TRACER
- 6 INSTALL 4" ITS CONDUIT WITH: COMMUNICATIONS DISTRIBUTION CABLE ASSEMBLY (CDCA) & 6 PAIR PE39 #22 AWG TRACER
- 7 EXISTING 2" CONDUIT, PROTECT IN PLACE.
- 8 EXISTING 4" ITS CONDUIT PULL 72 STRAND FIBER OPTIC CABLE & 6 PAIR PE39 #22 AWG TRACER
- 9 EXISTING 4" ITS CONDUIT PROTECT IN PLACE.
- 10 INSTALL 3" CONDUIT WITH: (8) #4 & (4) #6 GROUND.
- 11 INSTALL 3" CONDUIT WITH: (4) #4 & (2) #6 GROUND.
- 12 INSTALL (1) 3" & (4) 1 1/2" ITS CONDUITS WITH: #3 GREEN WIRE & TRUE TAPE OR APPROVED EQUAL PULL STRING. ITS CONDUITS SHALL BE THE FOLLOWING COLORS: (1) 3" CONDUIT-GREY (1) 1 1/2" CONDUIT-ORANGE (1) 1 1/2" CONDUIT-BLUE (1) 1 1/2" CONDUIT-WHITE (1) 1 1/2" CONDUIT-BLACK

AVOID OVERHEAD POWER LINE CONTACT IT'S COSTLY

Call before you Overhead

1-702-227-2029

NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig

Call 811

1-800-227-2600

NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

ELECTRICAL ONLY

12508

PUBLIC WORKS DEPARTMENT		CITY OF LAS VEGAS, NV	
HORSE DR & US 95 GRADE SEPARATION UNDERDECK LIGHTING PLAN		HORSE DRIVE / US 95 INTERCHANGE	
DRAWN BY:	06/20/2008	CHECKED BY:	06/20/2008
DESIGNED BY:	06/20/2008	PROJECT NO.:	107V3769
CHECKED BY:	06/20/2008	SCALE:	1"=20'
PROJECT NO.:	107V3769	HORIZ.:	N/A
SHEET		SHEET	
L17R		L17R	
OF SHEETS		OF SHEETS	
DRAWING NO.		DRAWING NO.	
107V3769		107V3769	

1150166