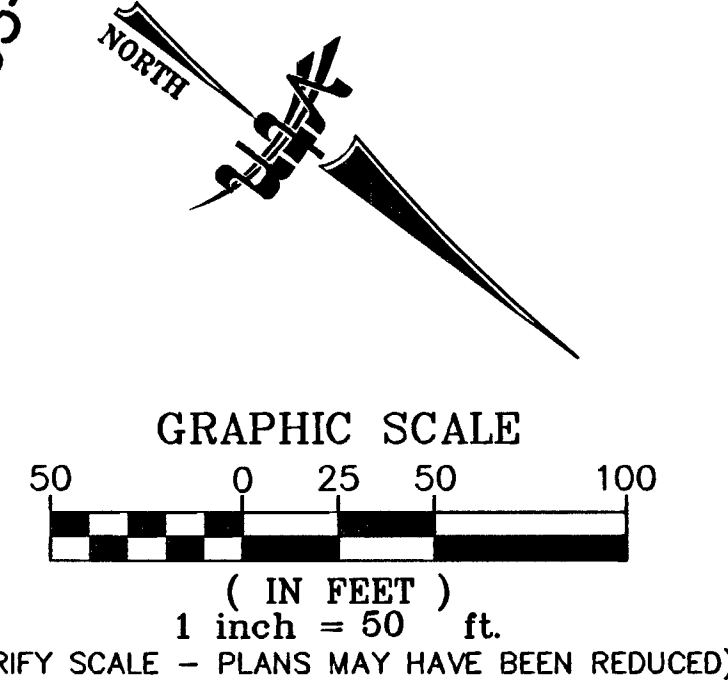


SEE SHEET L6 TO L11 FOR LIGHTING & ITS INFORMATION ON "XN" & "XS"

SEE SHEETS T8 & T9 FOR HORSE DRIVE & SKY POINTE DRIVE TRAFFIC SIGNAL PLAN



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

- | | | |
|--|---|--|
| <ol style="list-style-type: none"> 1. INSTALL 2" CONDUIT WITH: (2) #4 & (1) #6 GROUND. 2. INSTALL 2" CONDUIT WITH: #8 GREEN WIRE. 3. INSTALL 2" CONDUIT WITH: (2) #4 & (1) #6 GROUND. TAPE BOTH ENDS FOR FUTURE RE-CIRCUITING. 4. INSTALL 4" ITS CONDUIT WITH: 6 PAIR PE39 #22 AWG TRACER & TRUE TAPE OR APPROVED EQUAL PULL STRING. | <ol style="list-style-type: none"> 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. | <ol style="list-style-type: none"> 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: #8 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 |
|--|---|--|

STREET LIGHTING 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, INTERGRATED 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)

PUBLIC WORKS DEPARTMENT	CITY OF LAS VEGAS, NV			
400 E. STEWART AVE LAS VEGAS, NV 89101 702-229-6272	2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148 PH (702) 672-7558 FAX (702) 352-2587	nevs CONSULTING ENGINEERS & PLANNERS • LAND SURVEYORS	REVISION	DATE
LIGHTING & ITS PLAN	"FRE-1" 90+40 TO "FRE-2" 93+00	HORSE DRIVE / US 95 INTERCHANGE		
DRAWN BY: WBN	DESIGNED BY: VTN / TJK	CHECKED BY: RCH / AB	PROJECT NO: 6500	SCALE: 1"=50' HORIZ. N/A VERT.
06/20/2008	06/20/2008	06/20/2008		

Call before you Overhead

1-702-227-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig
Avoid cutting underground utility lines. It's costly.

Call 811

1-800-227-2600
OUR CUSTOMER SERVICE DEPARTMENT
1-702-455-7544

ELECTRICAL ONLY

ROBERT C. HOSEA III
No. 10112
EXP. 06/30/08
CIVIL
1-21-08

SHEET
L14
234 OF 453 SHEETS
DRAWING NO.
107V3759

114526