



CANYON LAKE

**CANYON LAKE PARK
ASPHALT OVERLAY
AND BICYCLE PATH
PROJECT PR03-1273
SHEET 4 OF 7**



Revised Electrical Site Plan
 Approx. Scale: 1" = 50'

GENERAL DESCRIPTIVE NOTES

- 1 INDICATES LOCATION OF NEW TYPE A LIGHTING FIXTURE, POLE AND BASE, REPLACING EXISTING FIXTURE. FIXTURES TYPE A SHALL BE INSTALLED AND CONNECTED UNDER THE BASE BOX.
- 2 INDICATES LIGHTING FIXTURE TYPE B (SAME FIXTURE AS TYPE A) TO BE INSTALLED UNDER ALTERNATE BID ITEM NO. E-1. TYPICAL OF 3 FIXTURES. SEE ALTERNATE BID DESCRIPTION.
- 3 INDICATES LIGHTING FIXTURE TYPE C (SAME FIXTURE AS TYPE A) TO BE INSTALLED UNDER ALTERNATE BID ITEM NO. E-2. TYPICAL OF 4 FIXTURES. SEE ALTERNATE BID DESCRIPTION.
- 4 INDICATES LIGHTING FIXTURE TYPE D (SAME FIXTURE AS TYPE A) TO BE INSTALLED UNDER ALTERNATE BID ITEM NO. E-3. TYPICAL OF 2 FIXTURES. SEE ALTERNATE BID DESCRIPTION.
- 5 INDICATES LIGHTING FIXTURE TYPE E (SAME FIXTURE AS TYPE A) TO BE INSTALLED UNDER ALTERNATE BID ITEM NO. E-4. TYPICAL OF 2 FIXTURES. SEE ALTERNATE BID DESCRIPTION.
- 6 INDICATES APPROXIMATE LOCATION OF NEW POWER DISTRIBUTION ENCLOSURE. SEE ENCLOSURE DETAIL ON SHEET 16-2.
- 7 INDICATES APPROXIMATE LOCATION OF EXISTING 25 KVA PAD-MOUNT TRANSFORMER. RE-CONNECT NEW PANEL A TO EXISTING FEEDER FROM TRANSFORMER. SEE NOTE 14.
- 8 PLAN INDICATES CONDUITOR RISERS FOR EACH CIRCUIT. CONTRACTOR MAY RUN SEPARATE CONDUIT FOR EACH CIRCUIT OR COMBINE CIRCUITS. INDICATED CONDUIT SIZE IS MINIMUM.
- 9 SET GROUND-MOUNTED JUNCTION BOX AT LOCATION SHOWN. RUN CONDUCTORS AND CONDUIT BACK TO PANEL. J-BOX IS FOR FUTURE DAM AND NORTH PARKING LOT LIGHTING.
- 10 ALL OPEN EXCAVATIONS NECESSARY FOR THE INSTALLATION OF NEW LIGHTING AND POWER EQUIPMENT SHALL BE BACKFILLED AND PLANTED AS PER THE SPECIFICATIONS.
- 11 INDICATES HOME RUNS FROM CIRCUITS A-1 AND A-5. RUNS MAY BE RUN IN ONE CONDUIT.
- 12 ALL EXISTING UTILITIES, SPRINKLER PIPING, SPRINKLER EQUIPMENT, ETC. SHALL BE REPLACED OR REPAIRED WHERE ENCOUNTERED DURING PROJECT DEMOLITION AND CONSTRUCTION, TO THE SATISFACTION OF THE CITY PROJECT ENGINEER.
- 13 INDICATES APPROXIMATE LOCATION OF EXISTING GROUND-MOUNT JUNCTION BOX. THE ELECTRICAL CONTRACTOR SHALL DISCONNECT FEEDER POWER FROM THE EXISTING METER, METER BEHIND THE POWER BOX. THE POWER FEEDS THE EXISTING SHED. RUN THE NEW 1/2" THIN FEEDER IN 1.5" CONDUIT (CUT, A-14) TO THE EXISTING JUNCTION BOX AND RE-FEED POWER TO THE ENCLOSURE. LEAVE EXISTING 3" Ø ALUMINUM FEEDERS TO THE NORTH MAINTENANCE BUILDING IN PLACE. SPLICES SHALL BE MADE WITH POLARIS VINYL COATED BLOCK CONNECTORS. MAKE ALL CONNECTIONS WATER-TIGHT.
- 14 RELOCATE EXISTING METER TO SIDE OF ENCLOSURE. RE-WIRE TO METER POWER TO NEW PANEL A. COORDINATE INSTALLATION WITH BLACK HILLS POWER AND LIGHT COMPANY.



THE ENCLOSURE SITE PLANS ARE AN ORIGINAL PROPERTY OF THE CLIENT AND ARE NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER. THE CONTRACTOR SHALL VERIFY THE EXISTING SITE AND SHALL VERIFY ALL EXISTING LIGHTING AND ELECTRICAL INSTALLATIONS TO BE REMOVED. SEE PROJECT SPECIFICATIONS.

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CANYON LAKE PARK IMPROVEMENT
 RAPID CITY PROJECT NO. PR03-12
 REVISED SITE LAYOUT PLAN AND ELECTRICAL NOTES



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