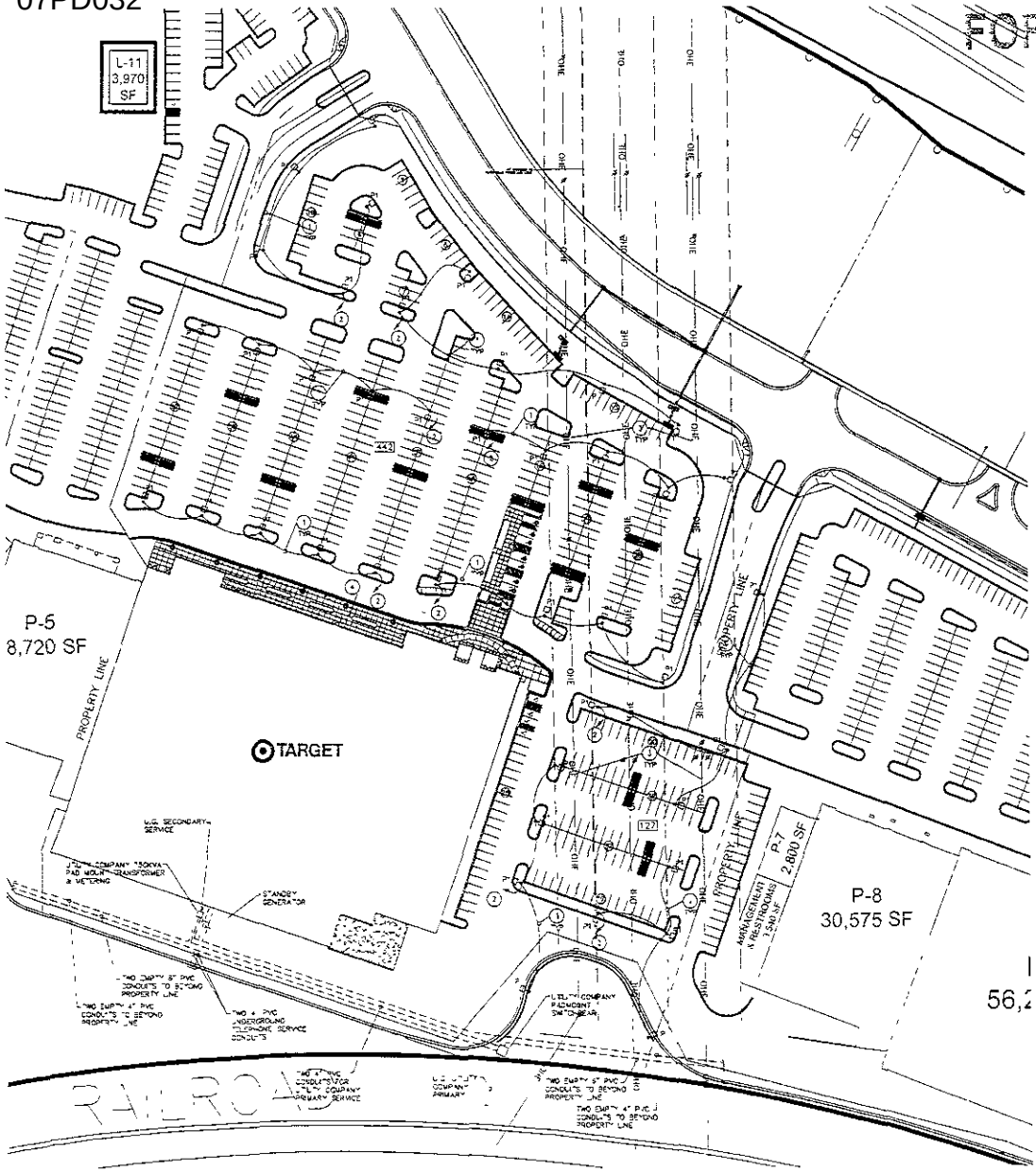
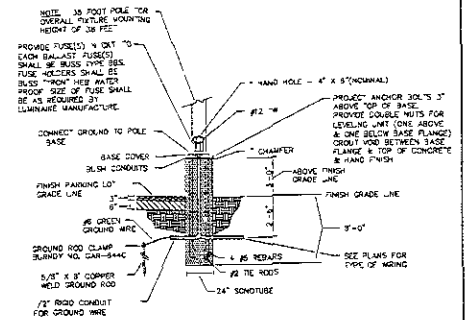
07PD032



FOR REVIEW ONLY



BASE DETAIL – OUTDOOR LIGHTING STANDARDS
NO SCALE

ELECTRICAL SPECIFICATIONS

DRAWINGS AND MEASUREMENTS: The drawings are not intended to be scaled for roughing-in measurements nor do they serve as shop drawings. The Contractor shall consult existing conditions and equipment drawings for dimensions, constructions and locations of equipment. Panels, cabinets, and special equipment shown on the drawings only in a schematic manner and not necessarily in their specific location

ORDINANCES AND CODES: All work shall be executed in accordance with the current edition of the City Electrical Ordinances, OSHA, State Electrical Laws and Statutes and National Electrical Code (NEC) and be subject to the inspection of these departments. All fees, permits, licenses, etc., necessary in order to complete the work of this section shall be paid by this Contractor

WORKMANSHIP: The installation work included in this specification shall be performed in a neat workmanlike manner by men experienced and skilled in the Electrical trade. Only the best quality workmanship will be accepted. All exposed parts of the electrical wiring systems such as exposed conduits, fixtures, etc., shall be square and true.

GUARANTEE: The Contractor shall assume responsibility for any defects which may develop in any part of his work caused by faulty workmanship, material or equipment, and agrees at his/her/its/their/our/or other at his expense, any such faulty workmanship, material or equipment that has been brought to his attention during a period of one year from the date of the final certificate for payment. Acceptance of the work shall not waive this guarantee.

QUALITY ASSURANCE: All materials and equipment shall be new and of best quality, of the type best suited for the purpose intended and be made by nationally recognized and substantially established manufacturers. All electrical materials used in this work shall be listed by the Underwriters Laboratories, etc., where testing is provided and shall bear their label.

EQUIPMENT IDENTIFICATION AND CLEANUP: All electrical equipment shall be provided with identification, indicating it's use or function. Equipment to be identified shall include disconnect switches, junction boxes, and etc. All electrical equipment must be kept completely protected from weather, paintings, etc. until the building is substantially completed. Damage from rust, paint, scratches, etc. shall be corrected as directed by the A/E

CUTTING AND PATCHING: In existing construction the Contractor shall perform all cutting required and all necessary patching after completion is restore the surface to its original condition (unless otherwise indicated). The Contractor shall not endanger the stability of the structure by cutting or digging.

RACEWAY: All wiring shall be installed in recovered rigid metal conduit, electrical metallic tubing, flexible metal conduit, or PVC. Heavy wall galvanized steel, or intermediate steel conduit shall be used in all runs where required for mechanical protection. EMT may be used in furred ceiling areas, interior partitions, and surface mounted in equipment rooms. EMT shall not be used in slab on grade or where exposed to moisture or earth. PVC may be used in slab on grade or where exposed to moisture or earth. 90 degree all conduit stub through slab shall be GRC, below grade portion shall be tar coated.

RACEWAY FITTINGS: On all conduit systems the connector fitting shall be of the insulated throat type. Where rigid conduit is connected to a threadless box, double locknut method shall be used. All conduit fittings shall be of steel construction. Malleable iron fittings shall not be used on any conduits. Indenter fittings shall not be used for EMT. Set screw fittings may be used for EMT in dry locations.

RACEWAY INSTALLATIONS: Conduits shall be sized as noted or as required by NEC for number and size of conductors installed except that 3/4 inch shall be minimum size for branch circuit homeruns. All conduit and raceways shall be securely positioned by galvanized steel straps, clamps, and hangers with suitable fastenings.

WIRE AND CABLE: All wire and cable for feeder and branch circuits shall conform to the requirements of the current edition of the NEC and shall meet all requisite ASTM Specifications. Conductors shall be 600 volt rated, coated soft-drawn copper and unless otherwise noted, shall have type "MW or "THHN insulation. Aluminum conductors shall not be used

LIGHTING FIXTURE SCHEDULE

FIXT TYPE LTR	FIXTURE DATA MANUFACTURER'S DESIGNATION	CATALOG NUMBER	MOUNTING	LAMP DATA TYPE	NO	WATTS	CATALOG NUMBER	REMARKS
P1	MCGRAW EDISON	GSLA-1000-WH-2-5-	POLE	MH	1	1000	MS/ODS/BU	NOTE 1
	(FIXTURE)	[illegible]						
	MCGRAW EDISON							NOTE 2
	(POLE)	R*35A355X						

NOTES:
1. SQUARE, ARM MOUNTED CUT-OFF TYPE LUMINAIRE 1000W VERTICAL LAMP. FLAT LENS. "DARK SKY" COMPATIBLE, AND VOLT CHAMPAGNE PEARL (C-20) FACTORY POWDER COAT FINISH
2. 35 FOOT ROUND TAPERED STEEL POLE WITH PROVISIONS FOR SINGLE ARM MOUNT FIXTURE, CHAMPAGNE PEARL (C-20) FACTORY POWDER COAT FINISH (OVERALL MOUNTING HEIGHT = 38 FEET).

ELECTRICAL SYMBOLS

POLE LIGHT FIXTURE
ELECTRICAL PANEL
DISCONNECT SWITCH
UNDERGROUND ELECTRICAL PRIMARY
UNDERGROUND ELECTRICAL PRIMARY IN CONDUIT
GAS UTILITY LINE

RECORD NOTES:
1. PROVIDE 2 #8/CU, 1 #12/CU GROUND IN 1" PVC CONDUIT
2. PROVIDE 2 #8/CU, 1 #12/CU GROUND IN 1" PVC CONDUIT HOMERUN TO LIGHTING PANEL IN BUILDING AND CONNECTED TO 20A/2-POLE CIRCUIT BREAKER (CONTROL BY BUILDING CONTRACTOR)
3. COORDINATE LOCATIONS OF POLE LIGHTS WITH OVERHEAD TRANSMISSION LINES.
4. LOCATION FOR PARKING LOT LIGHTING CIRCUIT ENTRANCE INTO BUILDING

RECEIVED
APR 27 2007
Rapid City Growth Management Department

60 0 30 60 120
SCALE 1" = 60'

WPE WEST PLAINS ENGINEERING
CONSULTING ENGINEERS
58 HAND ROAD RAPID CITY SD 57701

DREAM DESIGN INTERNATIONAL, INC.
ENVIRONMENTAL GRAPHIC AND INTERIOR DESIGN
1 LAGOON COLONY DRIVE, SUITE 100, NEWPORT BEACH, CALIFORNIA 92657-8903 U.S.A. TEL: 949.515.1115 FAX: 949.515.1116

Scale: 1"=60'-0"
Designed By: RWT
Drawn By: VLS
Design Date: 3/2007
Print Date: 03/2007
Internal Job No.: R07018
Surveyed By: ARNLETH
Survey Date: 03/2007
Paragon Inc.

TARGET
RUSHMORE CROSSING

ELECTRICAL SITE PLAN

E1 . 2