

STATE OF UTAH DIVISION OF PARKS & RECREATION

BIG CREEK CAMPGROUND ELECTRICAL UPGRADES

MANAGED BY:

DIVISION OF FACILITIES CONSTRUCTION AND
MANAGEMENT

DFCM PROJECT # 07333510



State of Utah—Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT

4110 State Office Building/Salt Lake City, Utah 84114/538-3018



Engineers • Surveyors • Planners

1047 S. 100 W. SUITE 180
LOGAN, UTAH 84341
(435) 713-9514

APPROVALS:

Prime Agency	_____	Date	_____
DFCM	_____	Date	_____

APPROVAL DOES NOT RELIEVE A/E OF RESPONSIBILITY

CONSTRUCTION DRAWINGS
JANUARY, 2008



GENERAL NOTES:

- Utah Division of Wildlife Resources, DFCM and the Engineer have jurisdiction over this project. Contractor shall obtain all necessary permits and business licenses prior to construction.
- Contractor is responsible for dust abatement and any liability issues related to dust at any location which may be caused by this project.
- The Contractor is responsible for traffic control and protection of pedestrians in and around this work. Reference the manual on uniform traffic control devices (MUTCD latest edition for work zone traffic control).
- Any work done within a public right-of-way shall be coordinated with the appropriate transportation agency and shall meet the requirements of that agency and, in particular, requirements of any right-of-way special use permit, or other permit. All work shall meet current OSHA requirements.
- Where work is performed on easements, the contractor shall take every precaution to eliminate any adverse effects on the adjacent property and/or to restore it to its original condition.
- All distances and data shall be checked by the contractor prior to the start of construction. In case of conflict the engineer shall be notified immediately so that clarification may be made prior to the start of the work.
- The contractor shall be responsible for disposal and fees of all materials removed or demolished on site.
- The Contractor shall arrange for, secure and pay for directly, any and all temporary utility supplies it may require for prosecution of its work. The cost of such utilities shall be included in the appropriate bid item with which it is associated.
- Should construction be halted because of inclement weather conditions, the Contractor will completely clean up all areas and maintain the surface in good condition during the shut-down period.
- The Contractor's personnel, equipment, and operations shall comply fully with all applicable standards, regulations, and requirements of existing Federal, Utah State, and Local governmental agencies.
- The Contractor shall preserve existing City, County, State, and Federal land monuments whenever possible. If a monument must be moved the Engineer shall be contacted 2 weeks prior to removal to arrange for relocation.
- The Contractor shall be responsible for obtaining all local, State, and Federal permits required for stormwater pollution prevention as a result of construction activities. When called for in the Contract Documents, the Contractor shall prepare a Stormwater Pollution Prevention Plan for approval by the Engineer. If the construction will disturb more than one acre, the Contractor shall obtain a copy of the U.S. Environmental Protection Agency's NPDES General Permit for Storm Water Discharges Associated with Construction Activity (otherwise known as the Construction General Permit or CGP) and submit a "Notice of Intent" (NOI) (EPA Form 3510-9 (8/03)) for permit coverage under the General Permit. The CGP may be found on the Internet at <http://www.epa.gov/npdes/stormwater/cgp> or by contacting the U.S. EPA Office of Water directly at (800) 424-4372. The NOI may be filed electronically at the following website: <http://efpub.epa.gov/npdes/stormwater/nol.cfm>. The CGP does not relieve the Contractor from compliance with other regulations or contract requirements regarding stormwater pollution prevention including but not limited to: protection of surface waters, prevention of soil runoff into drains, dust control, prevention of tracking soils to adjacent streets, fuel containment, spill control, etc.

EXISTING UTILITIES

- Approximate locations of utilities are shown on the plans. They are to be used for general information only. It is the responsibility of the contractor to notify the appropriate utility companies when construction might interfere with normal operation of any utilities. It shall also be the contractor's responsibility to have the appropriate utility company field-locate any utility installations which might be affected by construction prior to beginning work in that area. The contractor shall be responsible for maintaining service of existing utilities and for restoring any utilities damaged due to construction at no additional cost to the owner. Depths and elevations of utilities are unknown unless otherwise shown. Contractor shall field verify utility depths, elevations, any discrepancies and/or conflicts shall be brought to the attention of the Engineer immediately.

INSPECTIONS AND TESTING

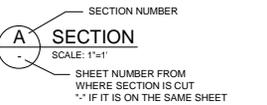
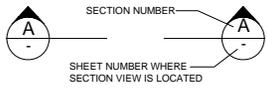
- The Owner shall be responsible for materials testing including not limited to concrete, asphalt, and compaction. All tests shall meet minimum Engineer requirements. See the contract documents and drawings for frequency of testing. Results are to be delivered to Special Inspector, Owner and Architect.
- Pressure, deflection and other tests relating to pipeline installation shall be paid for and performed by the Contractor.
- The Contractor is responsible to coordinate with Engineer and Special Inspector for inspections of work at appropriate intervals. It shall be the Contractor's responsibility to pay for additional inspections that are the result of his workmanship.

INDEX TO SHEETS		
1	G-001	COVER SHEET
2	C-001	CIVIL NOTES & INDEX TO SHEETS
3	C-101	SITE PLAN
4	C-501	DETAILS
5	E-101	ELECTRICAL SITE PLAN
6	E-102	PANEL SCHEDULES

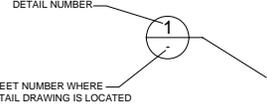
SECTION AND DETAIL IDENTIFIERS

NOTE:
A DASH MAY BE PLACED IN THE LOWER PORTION OF THE IDENTIFIER IF THE DETAIL DRAWING OR SECTION VIEW IS LOCATED ON THE SAME SHEET.

SECTION IDENTIFICATION

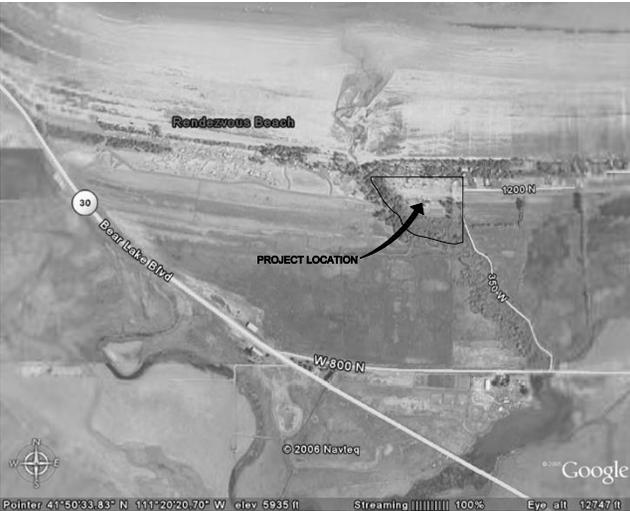
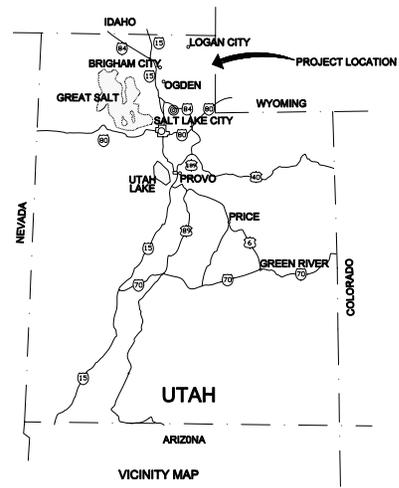


DETAIL IDENTIFICATION



LINE LEGEND

NEW	EXISTING	
---	---	CENTERLINE
---	---	PROPERTY LINE
---	---	EASEMENTS
---	---	CONTOUR
---	---	CULINARY_WATER
---	---	SECONDARY_WATER
---	---	ELECTRIC
---	---	GAS_LINE
---	---	GAS_LINE
---	---	SANITARY_SEWER
---	---	SANITARY_SEWER_FORCE MAIN
---	---	STORM_DRAIN
---	---	IRRIGATION
---	---	LAND_DRAIN
---	---	DITCH
---	---	CHAINLINK_FENCE
---	---	BARB_WIRE_FENCE
---	---	EDGE OF ASPHALT
---	---	RAILROAD



State of Utah
Department of Administrative Services

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BUILDING NAME:

RM# 01570
BEAR LAKE
BIG CREEK
CAMPGROUND

PROJECT TITLE:

BIG CREEK
CAMPGROUND
ELECTRICAL
UPGRADES
IMPROVEMENTS

MARK DATE DESCRIPTION

ISSUE DATE: JANUARY, 2008

DFCM PROJECT NO. 07333510
CAD PROJECT NO. 5707038
CAD DWG FILE:
DRAWN BY: JP
CHKD BY: CBS
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SHEET TITLE
CIVIL NOTES & VICINITY MAP

SHEET NUMBER

C001

SHEET 2 OF 6





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CAD PROJECT NO.: 5707038

CAD DWG FILE: XXX

DRAWN BY: JP

CHKD BY: CBS

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SHEET TITLE

MISCELLANEOUS
DETAILS

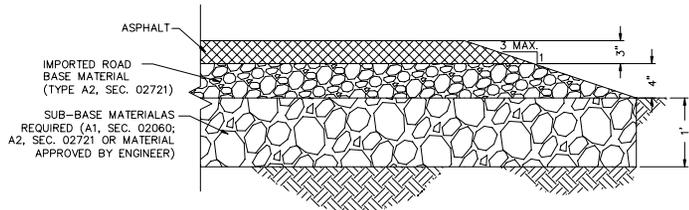
SHEET NUMBER

C-501

SHEET 4 OF 6

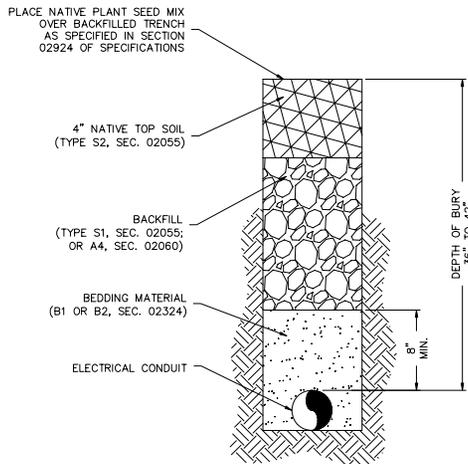
SITE IMPROVEMENT					
CAMPSITE	EXISTING ASPHALT DRIVEWAY LENGTH (LF)	EXISTING ASPHALT DRIVEWAY WIDTH (LF)	NEW ASPHALT DRIVEWAY ADDITIONAL LENGTH (LF)	NEW ASPHALT DRIVEWAY ADDITIONAL WIDTH (LF)	NEW ASPHALT DRIVEWAY AREA (SF)
1	55	12	10		120
2	68	12	10		432
4	71	12		4	284
11	46	12		6	276
13	60	12		4	240
14	51	12	10	4	364
15	46	12		4	184
17	47	12		4	188
19	48	12		4	192
20	51	12	10	4	364
22	43	12		4	172
23	50	12		4	200
24	47	12	10	4	348
25	52	12	10	4	368
26	41	12	10		120
28	49	12	10	4	356
29	55	12		4	220
31	46	12	10	4	344
33	42	12	10	4	328
34	50	12	22		264
35	58	12		4	232
36	55	12		4	220
39	50	12		4	200
41	48	12	10	4	352
42	46	12	10		120
43	53	12	5	4	292
OVERFLOW 1	45	12		4	180
OVERFLOW 2	39	12		4	116
TOTAL			10	4	7276

ESTIMATED TOTAL OF TYPE A4 MATERIAL IS 800 TONS. FOR BIDDING PURPOSES.



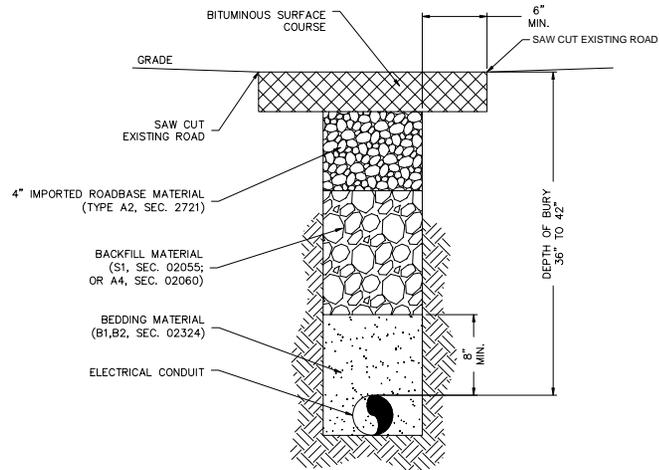
NOTE: SEE SPECIFICATION SECTIONS, AS NOTED, FOR SOIL TYPE DESCRIPTIONS.

A ASPHALT SECTION
- N.T.S.



NOTE: SEE SPECIFICATION SECTIONS, AS NOTED, FOR SOIL TYPE DESCRIPTIONS.

B TRENCH SECTION (TURF)
- N.T.S.

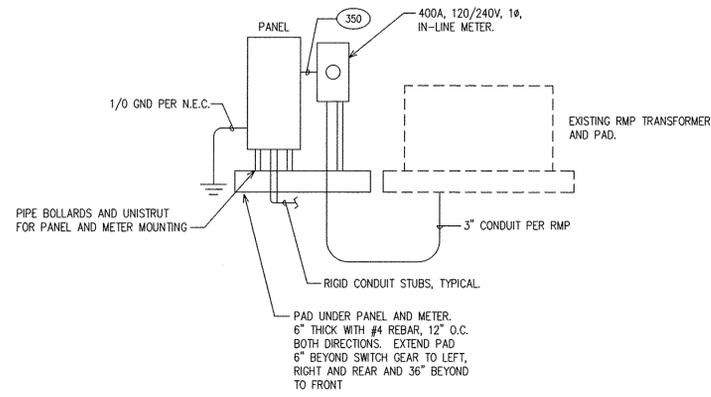


NOTE: SEE SPECIFICATION SECTIONS, AS NOTED, FOR SOIL TYPE DESCRIPTIONS.

C TRENCH SECTION (ASPHALT)
- N.T.S.



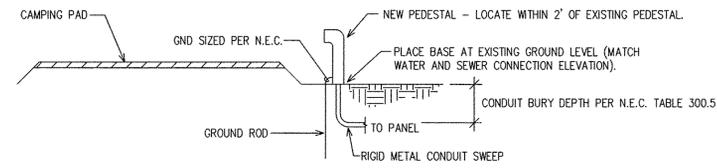
SERVICE ENTRANCE & FEEDER CONDUIT-CONDUCTOR SCHEDULE				
TYPE	CONDUCTOR QUAN.	CONDUCTOR SIZE	COND SIZE	AMP
20	2	10	3/4	30
30	3			
40	4			
28	2	8		40
38	3			
48	4		1	
26	2	6		55
36	3			
46	4			
34	3	4	1 1/4	70
44	4			
33	3	3	1 1/4	85
43	4			
311	3	1	1 1/2	110
411	4			
310	3	1/0		150
410	4		2	
320	3	2/0		175
420	4			
330	3	3/0		200
430	4			
340	3	4/0		230
440	4		2 1/2	
325	3	250		255
425	4		3	
335	3	350		310
435	4			
350	3	500		380
450	4		3 1/2	



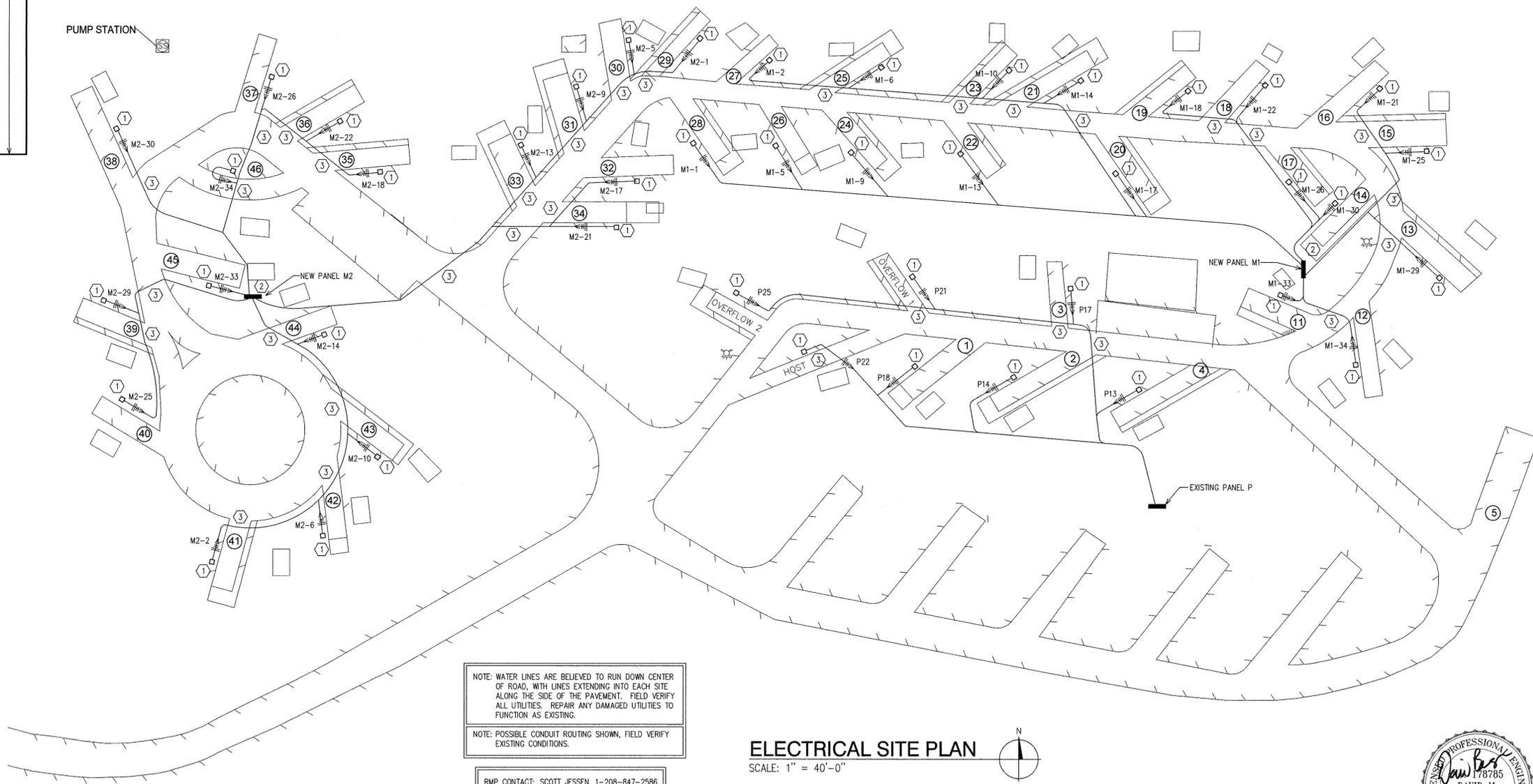
ONE LINE DIAGRAM
(TYPICAL FOR M1 AND M2 SERVICES)

KEYED NOTES

- MIDWEST RV PEDESTAL, PARK RANGER VWK-JA-AW MOUNTED AS REQUIRED BY MANUFACTURER. LOCATE WITHIN 2 FT. OF EXISTING PEDESTAL. REMOVE EXISTING PEDESTALS. EACH PEDESTAL TO HAVE ITS OWN CONDUIT HOME RUN. PROVIDE GROUND AT PEDESTAL PER N.E.C.
- REPLACE EXISTING PANEL WITH NEW AS SHOWN ON PANEL SCHEDULE. MOUNT NEW IN-LINE METER AND PANEL ON BOLLARDS. RUN NEW #1/0 GND PER N.E.C. SEE ONE LINE DIAGRAM.
- SAW CUT EXISTING PAVEMENT FOR NEW CONDUITS. REPAIR TO MATCH EXISTING. (BORING UNDER IS ALLOWED AS AN OPTION).



PEDESTAL DETAIL



NOTE: WATER LINES ARE BELIEVED TO RUN DOWN CENTER OF ROAD, WITH LINES EXTENDING INTO EACH SITE ALONG THE SIDE OF THE PAVEMENT. FIELD VERIFY ALL UTILITIES. REPAIR ANY DAMAGED UTILITIES TO FUNCTION AS EXISTING.

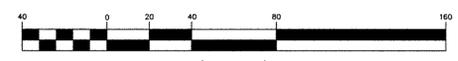
NOTE: POSSIBLE CONDUIT ROUTING SHOWN. FIELD VERIFY EXISTING CONDITIONS.

RMP CONTACT: SCOTT JESSEN, 1-208-847-2586

ELECTRICAL SITE PLAN

SCALE: 1" = 40'-0"

GRAPHIC SCALE



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CAD DWG FILE:

DRAWN BY: RC

CHK'D BY: DB

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SHEET TITLE

ELECTRICAL
SITE PLAN

SHEET NUMBER

E-101

SHEET 5 OF 6



