

RIVIAN

ELECTRIC VEHICLE CHARGING STATIONS

BIG MOUNTAIN LODGE

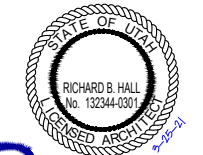
PROJECT #: VA-271-21001
15 N STATE ST, FERRON, UT 84523



RIVIAN



12 INDUSTRIAL WAY
SALEM, NEW HAMPSHIRE 03079



JOB NAME
BIG MOUNTAIN LODGE
15 N STATE ST,
FERRON, UT 84523

SHEET TITLE
COVER SHEET

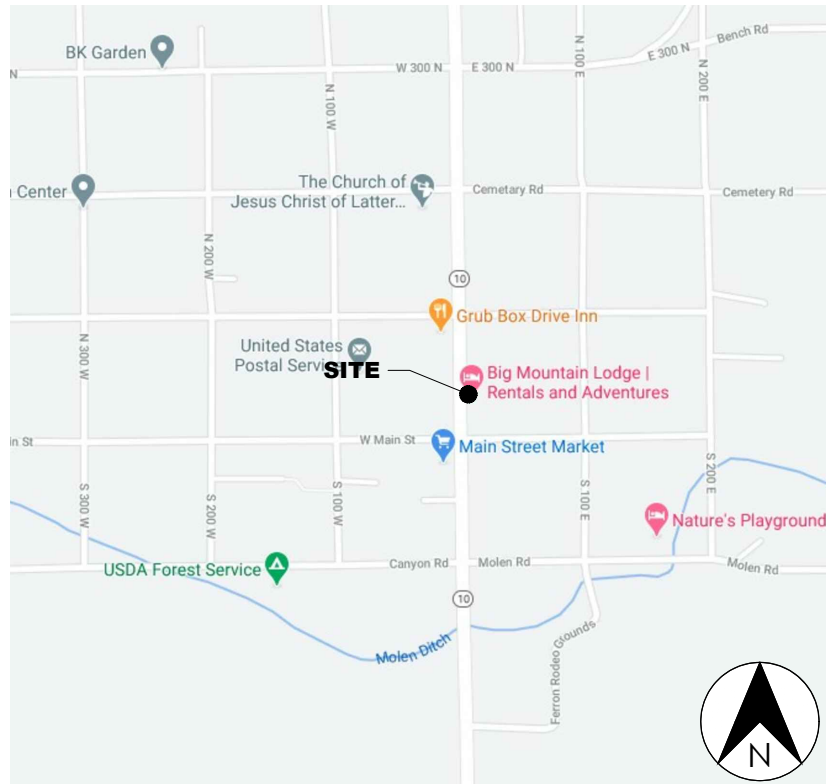
PROJECT NUMBER: VA-271-21001
DRAWN BY: MAZ
CHECKED BY: RBH

CS-1

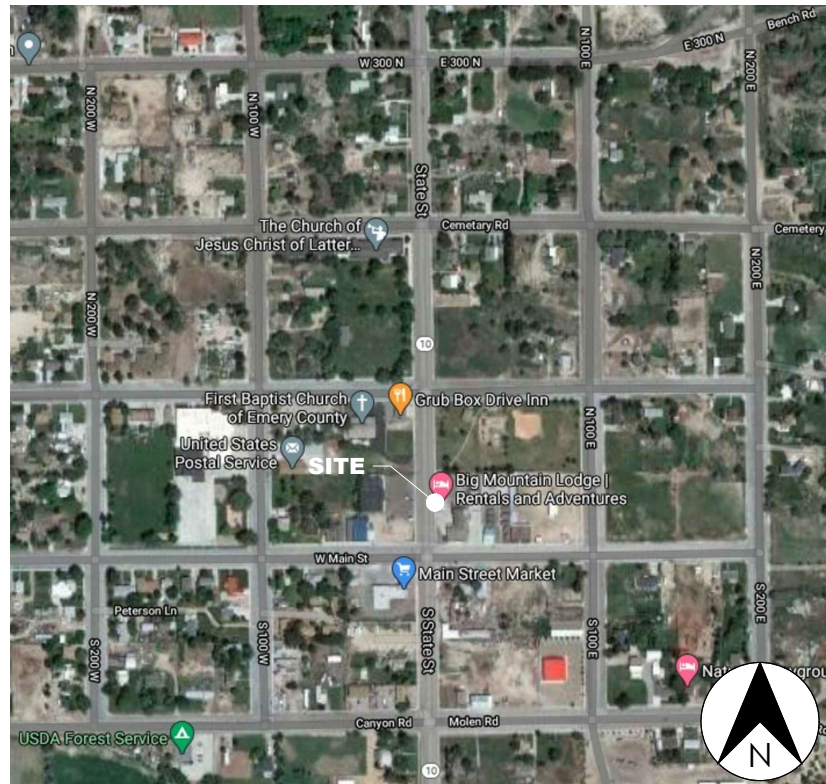
SITE INFORMATION

SITE NAME: BIG MOUNTAIN LODGE
SITE ADDRESS: 15 N STATE ST
FERRON, UT 84523
JURISDICTION: CITY OF FERRON
PARCEL ID: 1-125-30
SITE COORDINATES: N39°05'26.4" (N39.090664") (NAD83)
W111°07'52.8" (W111.131323") (NAD83)
GROUND ELEVATION: 5936± (NAVD88)
PROPERTY OWNER NAME: B&J TRUCKING INVESTMENTS, LLC
PROJECT MANAGER: SAI
12 INDUSTRIAL WAY
SALEM, NEW HAMPSHIRE 03079
ENGINEER CONTACT: RICHARD B. HALL, AIA, NCARB
(425) 806-1869
RHALL@LDCCORP.COM

VICINITY MAP



AERIAL MAP



PROJECT DESCRIPTION

1. INSTALLATION OF (2) LEVEL 2 CHARGERS

CODE REVIEW

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES:

BUILDING CODE: INTERNATIONAL BUILDING CODE 2018
ELECTRICAL CODE: NATIONAL ELECTRICAL CODE 2020
FIRE SAFETY CODE: INTERNATIONAL FIRE CODE 2018
USE GROUP: U (UTILITY)
CONSTRUCTION TYPE: IIB

DRAWING INDEX

SHEET NO.	SHEET TITLE
CS-1	COVER SHEET
GN-1	GENERAL NOTES
A-1	OVERALL PLAN
A-2	ENLARGED PROPOSED LAYOUT
D-1	DETAIL SHEET
E-1	SINGLE LINE DIAGRAM & SCHEDULE

CONTRACTOR NOTE

- CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY REPAIRS OR REPLACEMENT DUE TO NEW CONSTRUCTION OF LEVEL 2 CHARGERS AND CONDUITS.

CALL BEFORE YOU DIG



DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 22"x34".
CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

GENERAL CONSTRUCTION NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
PROJECT MANAGER - SAI
GENERAL CONTRACTOR(S) OR SUB-CONTRACTOR(S) - CML CONTRACTOR AND/OR ELECTRICIAN CONTRACTOR
PROJECT OWNER - RMAN
PROJECT HOST - LEGAL PROPERTY OWNER
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUB-CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF PROJECT MANAGER PRIOR TO THE COMMENCEMENT OF WORK.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUB-CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
4. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE THE INSTALLATION AS INDICATED ON THE DRAWINGS FOR A FULLY FUNCTIONAL CHARGING STATION AND COMPLETE PROJECT.
6. THE SUB-CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
7. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON DRAWINGS, SUB-CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE PROJECT MANAGER. ONLY WRITTEN APPROVALS SHALL BE DEEMED TO CONFIRM ANY SUCH CHANGES AS BEING APPROVED.
8. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE PROJECT MANAGER SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT UNIQUE JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK.
9. SUB-CONTRACTOR SHALL REVIEW ROUTING OF CONDUIT, POWER AND GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING PLAN DRAWING. SUB-CONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE PROJECT MANAGER.
10. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE PROJECT HOST. PROJECT MANAGER SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
11. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF GENERAL CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE PROJECT MANAGER IMMEDIATELY.
12. APPLICABLE BUILDING CODES:
SUB-CONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (A/H) FOR THE LOCATION. THE EDITION OF THE A/H ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
SUB-CONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

AMERICAN CONCRETE INSTITUTE (ACI) 318; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
MANUAL OF STEEL CONSTRUCTION, ASD, FOURTEENTH EDITION
13. FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.
14. THE PROJECT MANAGER SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
15. PROJECT MANAGER SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER GENERAL CONTRACTOR(S) AND/OR SUB-CONTRACTOR(S).
16. CONSTRUCTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE.
17. THE PROJECT MANAGER SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND GENERAL CONTRACTOR(S) AND/OR SUB-CONTRACTOR(S) TO THE SITE AND/OR BUILDING.
18. THE PROJECT MANAGER SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
19. PROJECT MANAGER SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
20. THE PROJECT MANAGER SHALL PROVIDE WRITTEN NOTICE TO THE PROJECT HOST 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
21. THE PROJECT MANAGER AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
22. THE PROJECT MANAGER SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2A OT 2-A:10-B:C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
23. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE PROJECT MANAGER AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
24. GENERAL CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES AND ALL SPECIFIED CLOSE-OUT DOCUMENTATION TO THE PROJECT MANAGER UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
25. PROJECT MANAGER SHALL LEAVE THE WORK AREA AND SURROUNDING PREMISES IN A CLEAN CONDITION.
26. THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
27. NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
28. BORING COSTS SHALL BE SEPARATE LINE ITEM IN CONTRACTOR QUOTE FOR SUBMITTAL TO RMAN.
29. FIRESTOP SHALL BE APPLIED TO CONDUIT HORIZONTAL PENETRATIONS INCLUDING: 1) INTERIOR ROOM TO ROOM THROUGH WALL GYP BD, 2) INTERIOR ROOM TO ROOM THROUGH WALL CMU OR CONCRETE, 3) INTERIOR ROOM TO EXTERIOR THOUGH A STUD WALL ASSEMBLY WITH SIDING AND 4) INTERIOR ROOM TO EXTERIOR THROUGH A CMU OR CONCRETE WALL ASSEMBLY WITH OR WITHOUT SIDING, WITH THE USE OF AN APPROVED UL APPROVED FIRE STOP (BOTH SIDES WALL ASSEMBLY).
30. CONCRETE SLAB AND/OR DECK SCANNING SHALL BE PERFORMED WHEN VERTICAL CONDUIT PENETRATES A GIVEN SLAB ON GRADE OR SPANNING PRIOR TO CORE DRILLING (CARE SHALL BE TAKEN TO POSITION CORE DRILLS FROM PENETRATING REBAR STEEL, PT TENDONS AND OTHER SUB-FLOOR CONDUIT WHEN PERFORMING ANCHORAGE OF TOP OF FLOOR EQUIPMENT TO SLAB AND/OR DECK
31. THE PROPOSED FACILITY WILL CAUSE ONLY A 'DE MINIMIS' INCREASE IN STORM WATER RUNOFF. THEREFORE, NO DRAINAGE STRUCTURES ARE PROPOSED.
32. NO NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
33. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).
34. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE STREET SIGNS OF ANY TYPE.
35. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES.

ELECTRICAL NOTES

1. THE SUB-CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED, ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS, ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, SUB-CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER AS SOON AS POSSIBLE. AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE PROJECT MANAGER HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.
2. THE SUB-CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. ALL EXISTING CONDITIONS OF ELECTRICAL EQUIPMENT, LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE SUB-CONTRACTOR, PRIOR TO THE SUBMITTAL OF HIS BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE THE SUBCONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NEC AND ALL CODES AND LOCAL ORDINANCES OF THE LOCAL POWER COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT NOT BE LIMITED TO:

UL - UNDERWRITERS LABORATORIES
NEC - NATIONAL ELECTRICAL CODE
NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
OSHA - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
SBC - STANDARD BUILDING CODE
NFPA - NATIONAL FIRE PROTECTION ASSOCIATION
4. DO NOT SCALE ELECTRICAL DRAWINGS. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH 'PROJECT MANAGER' ANY SIZES AND LOCATIONS WHEN NEEDED.
5. EXISTING SERVICES: THE SUB-CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE PROJECT HOST.
6. THE SUB-CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTING. THE SUB-CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING EQUIPMENT.
7. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE SUB-CONTRACTOR SHALL FURNISH AND INSTALL, UNLESS OTHERWISE SPECIFIED BY PROJECT MANAGER OR BY PROJECT DEVELOPER.
8. THE SUB-CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE PROJECT HOST'S CONFIRMATION, ETC. ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER, PRIOR TO BEGINNING ANY WORK.
9. CONDUCTORS: SUB-CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER OR ALUMINUM WITH TYPE (THWN-2) INSULATION, 600 VOLT, COLOR CODED UNLESS SPECIFIED DIFFERENTLY ON DRAWINGS.
10. ALL (THWN-2) WIRING INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
11. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
12. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. SUB-CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER. SUB-CONTRACTOR IS TO PROVIDE ALL ELECTRICAL EQUIPMENT UNLESS OTHERWISE DIRECTED.
13. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL SUB-CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY PROJECT MANAGER.
14. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
15. PROJECT MANAGER SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
16. THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
17. ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
18. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IEEE.
19. GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURES CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE PROJECT MANAGER PRIOR TO INSTALLATION.
20. ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE SUB-CONTRACTOR(S) RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE PROJECT MANAGER UPON FINAL ACCEPTANCE.
21. THE SUBCONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES.
22. DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
23. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NOALOX" BY IDEAL INDUSTRIAL INC. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED ALUMINUM & COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
24. ALL EXTERIOR AND INTERIOR ABOVE GROUND CONDUIT SHALL BE RIGID GALVANIZED STEEL UNLESS SPECIFIED OTHERWISE. RACEWAYS: ALL CONDUITS SHALL BE SCHEDULE 40 PVC MEETING OR EXCEEDING NEMA TC2 - 1990 UNLESS SPECIFIED OTHERWISE. THE SUB-CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 3 FT. RADIUS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH 'BRITE ZINC' OR 'GOLD GALV'.
25. SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
26. CONNECTORS FOR POWER CONDUCTORS: SUB-CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
27. THE SUB-CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL SERVICE CONDUITS. CAUTIONS TAPE TO READ "CAUTION BURIED ELECTRIC".



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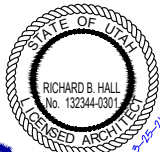
LDC

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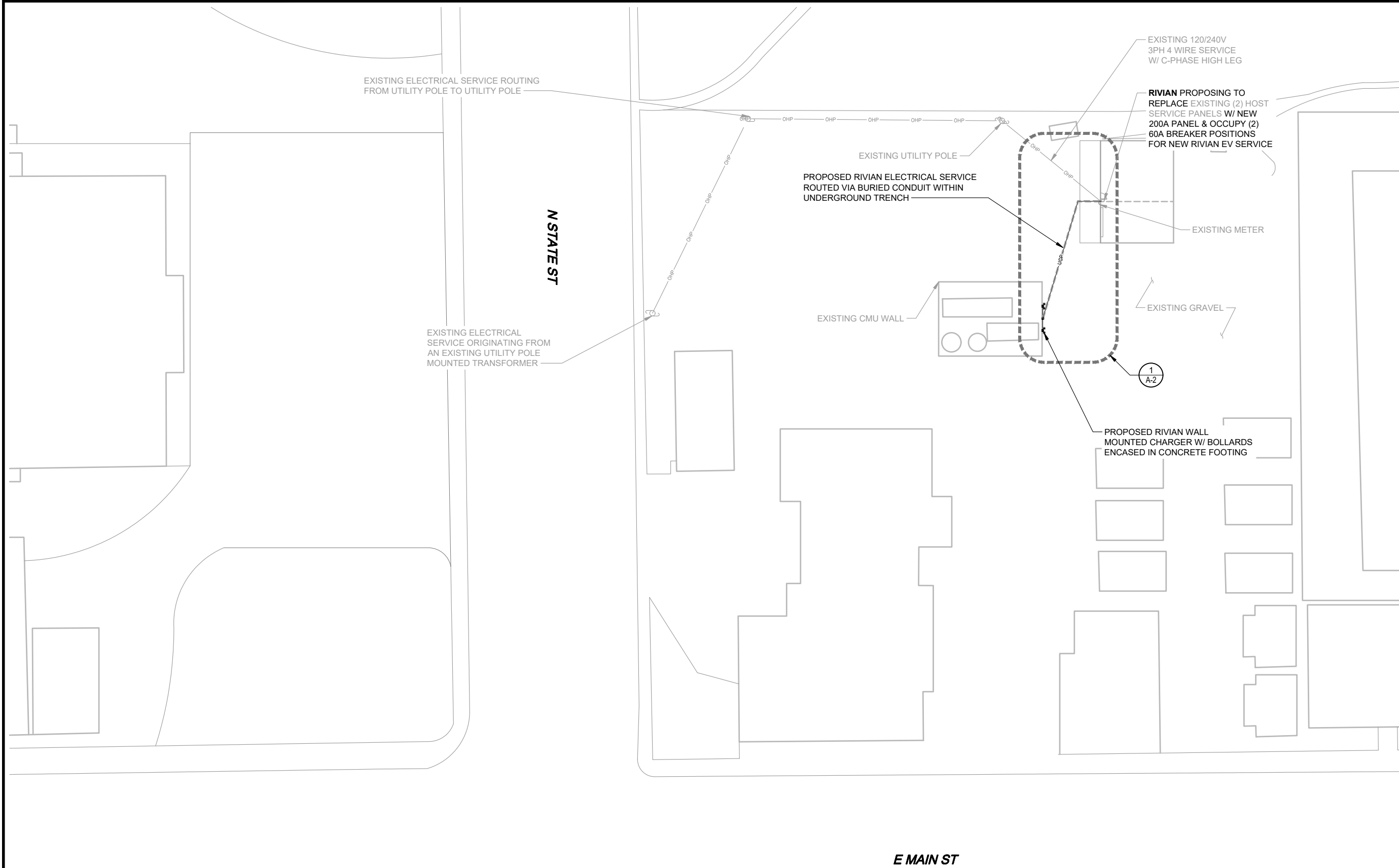
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SHEET TITLE
GENERAL NOTES

5	3-25-21	S&S (CD100)
4	3-24-21	S&S (CD100)
3	3-12-21	PERLUMINARY (CD100)
2	3-8-21	PRELIMINARY (CD90)
1	2-19-21	ONE SHEET
REV	DATE	DESCRIPTION

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GN-1



1
A-1

OVERALL PLAN
22" x 34" SCALE: 1" = 20' 11" x 17" SCALE: 1" = 40'

20'0'10'20'40'



SAI
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STATE OF UTAH
RICHARD B. HALL
No. 132344-0301
EXPIRES: 3-31-22

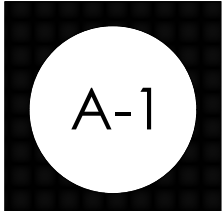
Richard B. Hall

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EXISTING GRAVEL SURFACE

PROPOSED RIVIAN CONCRETE 8" WIDE SAWCUT FOR BURIED CONDUIT

RIVIAN PROPOSING TO REPLACE EXISTING (2) HOST SERVICE PANELS W/ NEW 200A PANEL & OCCUPY (2) 60A BREAKER POSITIONS FOR NEW RIVIAN EV SERVICE

EXISTING GARAGE DOOR

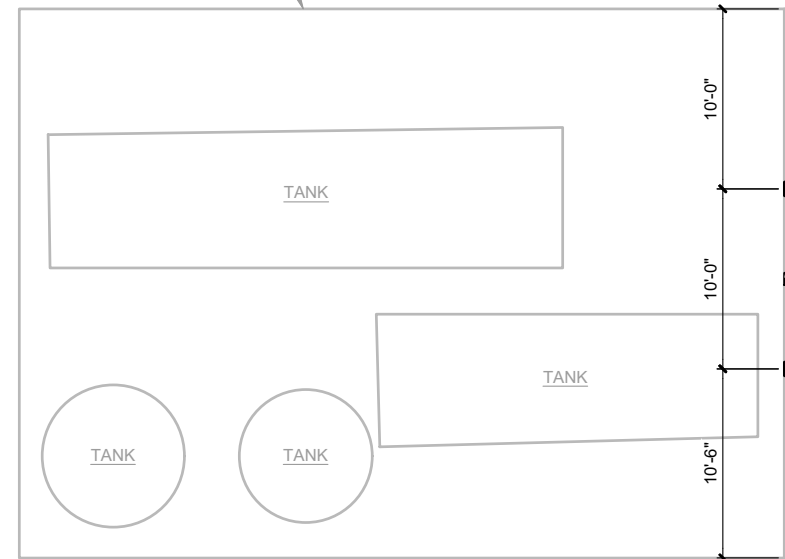
GARAGE

PROPOSED 1-1/2" CONDUIT FROM SUB-PANEL TO PROPOSED JBOX (BURIED WITHIN UNDERGROUND TRENCH)

EXISTING CONCRETE

EXISTING CMU WALL

EXISTING GRAVEL SURFACE



PROPOSED RIVIAN 8" X 8" JBOX

EXISTING GRAVEL SURFACE

PROPOSED RIVIAN WALL MOUNTED 1" CONDUIT FROM WALL MOUNTED JBOX TO L2 CHARGERS 1 & 2

PROPOSED RIVIAN WALL MOUNTED CHARGER W/ BOLLARDS ENCASED IN CONCRETE FOOTING BELOW (CHARGERS TO BE ANCHORED TO EXISTING BUILDING BLANK FACADE W/ CONC/CMU ANCHORS (UNISTRUT MAY ALSO BE USED AS INTERMEDIATE STRUCTURE BETWEEN CMU AND CHARGERS))

EXISTING GRAVEL SURFACE



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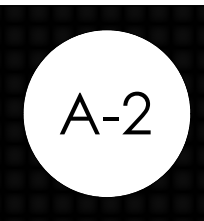


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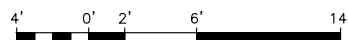
SHEET TITLE
ENLARGED
PROPOSED
LAYOUT

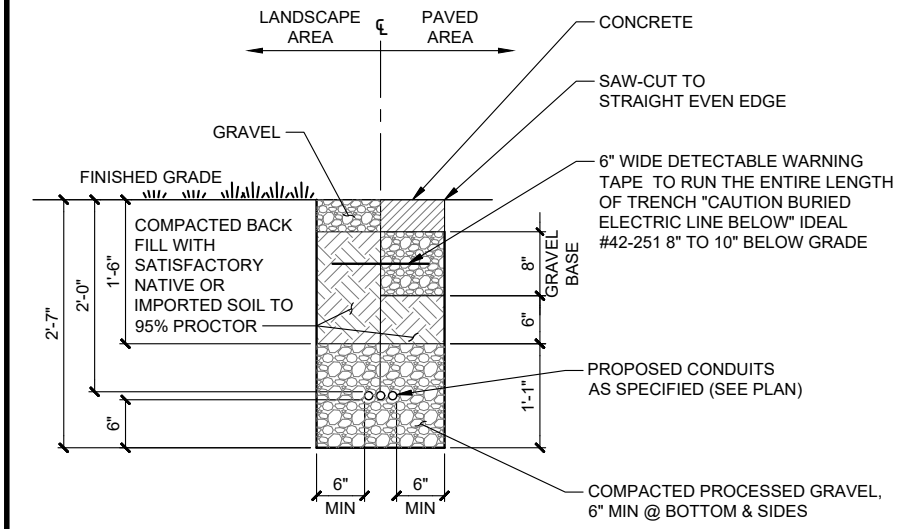
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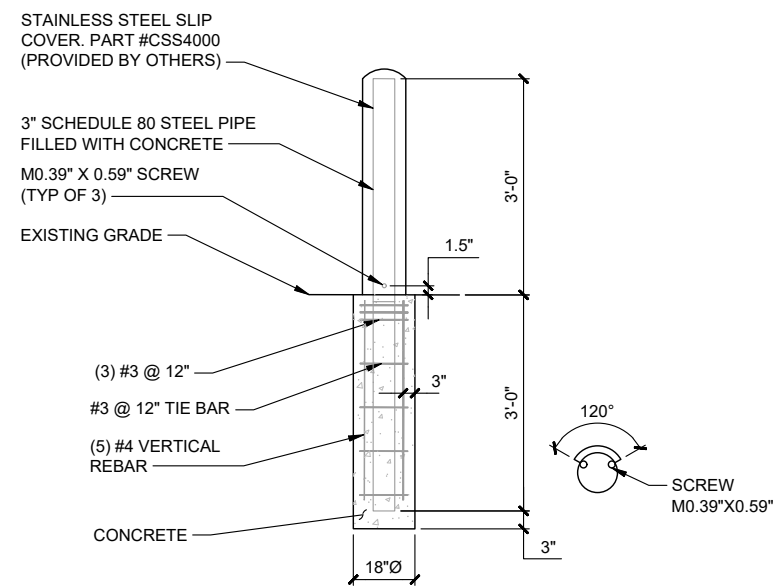
1
A-2
ENLARGED PROPOSED LAYOUT
22" x 34" SCALE: 3/16" = 1'-0" 11" x 17" SCALE: 3/32" = 1'-0"





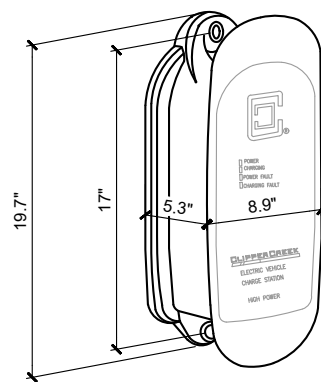
1 TRENCH DETAIL
D-1 22" x 34" SCALE: 1" = 1'-0" 11" x 17" SCALE: 1/2" = 1'-0"

- NOTES:
- BOLLARD IS FOR WARNING PURPOSES ONLY.
 - CONTRACTOR TO PROVIDE (2) 6' LONG, 1/2" THICK FOAM STRIPS CROSSED OVER TOP OF STEEL PIPE TO STABILIZE SLIP COVER.



4 BOLLARD DETAIL
D-1 22" x 34" SCALE: 3/4" = 1'-0" 11" x 17" SCALE: 3/8" = 1'-0"

2 NOT USED
D-1 SCALE: N.T.S.



- MANUFACTURER: CLIPPERCREEK
MODEL: HCS-60
- NOTES:
- MOUNTING HEIGHT AND LOCATION SHALL MEET LOCAL JURISDICTIONAL REQUIREMENTS.
 - SEE CLIPPERCREEK, HCS USER MANUAL PAGES 27-29 FOR WALL MOUNTING INSTALLATION
 - INCLUDED HOLSTER OPTIONAL. SEE PAGE 28-29 FOR MOUNTING MOUNTING GUIDANCE.

5 LEVEL 2 CHARGER DETAIL
D-1 22" x 34" SCALE: 1 1/2" = 1'-0" 11" x 17" SCALE: 3/4" = 1'-0"

3 NOT USED
D-1 SCALE: N.T.S.

6 NOT USED
D-1 SCALE: N.T.S.

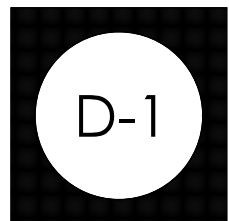


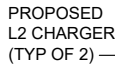
JOB NAME
BIG MOUNTAIN LODGE
15 N STATE ST,
FERRON, UT 84523

SHEET TITLE
DETAIL SHEET

REV	DATE	DESCRIPTION
5	3-25-21	S&S (CD100)
4	3-24-21	S&S (CD100)
3	3-12-21	PERLIMINARY (CD100)
2	3-8-21	PRELIMINARY (CD90)
1	2-19-21	ONE SHEET

PROJECT NUMBER: VA-271-21001
DRAWN BY: MAZ
CHECKED BY: RBH

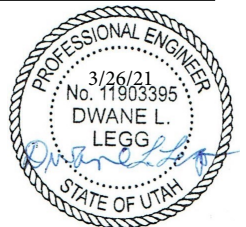




NO	FROM	TO	CONFIGURATION
1	PROPOSED PANEL	PROPOSED JUNCTION BOX	PROPOSED (1) 1" CONDUIT (4) #6 XHHW-2 CU (2) #8 XHHW-2 CU GND
2	PROPOSED JUNCTION BOX	PROPOSED L2 CHARGER 1	PROPOSED (1) 1" CONDUIT (2) #6 XHHW-2 CU (1) #8 XHHW-2 CU GND
	PROPOSED JUNCTION BOX	PROPOSED L2 CHARGER 2	PROPOSED (1) 1" CONDUIT (2) #6 XHHW-2 CU (1) #8 XHHW-2 CU GND

- NOTES:
1. CONDUCTOR LENGTHS ARE ESTIMATES ONLY. LENGTHS ARE BASED ON DIAGRAMMATICAL MEASUREMENTS AND APPROXIMATED BURIED DEPTHS. THE EXACT ROUTING PATH AND CONDUCTOR RUN LENGTHS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD BASED ON PHYSICAL MEASUREMENTS. CONTRACTOR TO ORDER CONDUCTOR BASED ON FIELD MEASUREMENTS.
 2. ALL ELECTRICAL WORK AND RELATED ACTIVITIES PERFORMED ON-SITE SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE (NEC) STANDARDS BEGIN ENFORCED BY ALL APPLICABLE JURISDICTIONAL REQUIREMENTS AT THE TIME OF CONSTRUCTION.
 3. ALL ALUMINUM CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION.
 4. UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK (WHERE APPLICABLE) SHALL BE COORDINATED WITH APPROPRIATE UTILITY COMPANY ENGINEER AT TIME OF RECONSTRUCTION MEETING TO ENSURE ACCURACY OF INSTALLATIONS.
 5. ALL PVC CONDUIT SHALL HAVE BELL-ENDS AND SEALED WITH "DUCT SEAL."
 6. CONDUIT APPLICATIONS: 1) RGS SHALL BE USED ON SURFACE OF BUILDINGS, RETAINING WALLS, OR OTHER EXPOSED SURFACES INCLUDING UTILITY POLES DROPS TO PROTECT CONDUCTORS FROM POSSIBLE IMPACT LOADS, 2) EMT CONDUIT SHALL BE USED WITHIN BUILDING ENVELOPES AND OTHER PROTECTED ENVIRONMENTS, 3) PVC SHALL BE USED BELOW GRADE NOTING THAT ABOVE GRADE TO BELOW GRADE CONDUIT DROPS, TRANSITION AND BENDS SHALL BE ACCOMPLISHED WITH PVC.

CONDUCTOR LENGTHS		
FROM	TO	LENGTHS (HORIZONTAL AND VERTICAL)
PROPOSED PANEL	PROPOSED JUNCTION BOX	80' ± FEET
PROPOSED JUNCTION BOX	PROPOSED L2 CHARGER 1	10' ± FEET
PROPOSED JUNCTION BOX	PROPOSED L2 CHARGER 2	10' ± FEET



JOB NAME
BIG MOUNTAIN LODGE
15 N STATE ST,
FERRON, UT 84523

SHEET TITLE

SINGLE LINE
DIAGRAM &
SCHEDULE

5	3-25-21	S&S (CD100)
4	3-24-21	S&S (CD100)
3	3-12-21	PERLUMINARY (CD100)
2	3-8-21	PRELUMINARY (CD90)
1	2-19-21	ONE SHEET
REV	DATE	DESCRIPTION

PROJECT NUMBER:	VA-271-21001
DRAWN BY:	MAZ
CHECKED BY:	RBH