

**Memorandum of Agreement****Between****Park City Municipal Corporation****High Valley Transit****And Utah Transit Authority**

This Memorandum of Agreement ("MOA") is entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2023 (the "Effective Date"), by and among the UTAH TRANSIT AUTHORITY ("UTA"), PARK CITY MUNICIPAL CORPORATION ("PC"), and HIGH VALLEY TRANSIT DISTRICT ("HVT"). Each is individually referred to as a "Party" and collectively as the "Parties."

**RECITALS**

1. UTA, Summit County, and PC entered an Interlocal Agreement on or about August 24, 2011, ("2011 ILA") regarding joint participation in the funding and operation of transit service between Salt Lake City and Park City. The 2011 ILA noted that PC would contribute funding toward a vehicle replacement account. UTA provided the vehicles for service on the PC connect route to get the service started. To date UTA has received \$1,491,249.
2. UTA and PC entered into a 2<sup>nd</sup> Interlocal Agreement on or about September 11, 2020 ("2020 ILA") regarding collaboration in the procurement and operation of buses, charging equipment and charging stations. UTA and PC were awarded a grant for \$2,290,000.00 from the 2018 FTA No/Low program for two electric buses. As part of the grant UTA secured a commitment from Rocky Mountain Power to provide \$500,000 in funding for local match. PC was also awarded six (6) electric buses to replace diesel buses in the Volkswagen ("VW") settlement and an additional six (6) buses with federal section 5311 grant funds (the fourteen (14) buses together, the "2020 ILA Buses").
3. HVT and PC entered into an Interlocal Agreement on or about July 10, 2021 ("2021 ILA"), which transferred responsibility for operating a public transit system in unincorporated Summit County, including to and from Kimball Junction to Salt Lake City, from PC to HVT.
4. PC and Summit County issued a notice of intent to terminate the 2011 ILA to UTA on September 21, 2021.
5. HVT and UTA entered into a Memorandum of Agreement on December 28, 2021, which recognized HVT as the successor-in-interest to PC and Summit County under the 2011 ILA and provided for continuation of services under such ILA until the first to occur of execution of a new agreement or December 31, 2022.
6. HVT and UTA entered into a Memorandum of Understanding ("MOU") on December 8, 2022, which granted HVT permission to operate transit service between Kimball Junction and Salt Lake Central Station at its own cost until at least January 1, 2024, and furthermore recognized that all obligations under the 2011 ILA were extinguished, except for the amounts owed by UTA for bus replacement costs and the amounts owed to UTA for Operational Costs. The MOU did not affect the Party's rights and obligations under the 2020 ILA.
7. The Parties recognize the need to delineate the remaining rights and obligations of each Party under the 2011 and 2020 ILAs which have now been overcome by events.

NOW THEREFORE UTA, PC, and HVT AGREE AS FOLLOWS:

All rights and obligations of any Party described in the 2011 and 2020 Interlocal Cooperation Agreements are deemed to have been fulfilled and/or extinguished as the case may be **EXCEPT FOR THE FOLLOWING SPECIFICALLY DESCRIBED COMMITMENTS AND OBLIGATIONS:**

**1. Current Funds Owed Between the Parties**

- a. HVT owes UTA the amount of \$131,795.24 for Operation Costs due and owing under Section 3 of the 2011 ILA.
- b. UTA paid the sum of \$524,130 to PC and owes the sum of \$524,130 to HVT as reimbursement for bus replacement costs under Section 3 of the 2011 ILA.
- c. UTA owes the amount of \$442,989 to PC as the Local Match for the No/Low Grant. This payment shall be paid within 30 days of execution of this MOA.
- d. UTA owes the amount of \$500,000 to PC from the Rocky Mountain Power local match for the No/Low Grant. This payment shall be made within 30 days of the execution of this MOA.

**2. Kimball Junction Charging Station Project**

- a. UTA shall award and manage the design and construction contract(s) for an overhead charging station to be built at Kimball Junction according to the specifications contained in Exhibit A (the "Project").
- b. UTA assisted HVT in obtaining any required environmental clearance or permit but shall not assume HVT's obligation.
- c. HVT grants UTA and its contractor(s) a temporary construction easement to access the property on which the Charging Station will be built as shown in the diagram in Exhibit B.
- d. Once completed, the Charging Station will be turned over to HVT. HVT will own the station and be responsible for maintenance and all other associated expenses of operating the Charging Station. UTA shall provide a copy of all contract documents, maintenance agreements, and supporting documentation setting forth all maintenance and associated operation of the Charging Station.
- e. PC shall reimburse UTA for the full cost of design and construction of the Project from Grant and local matching funds -
- f. UTA shall provide Park City with invoices and supporting documentation on a monthly basis regarding construction.

**3. Other Charging Stations**

- a. Salt Lake Central Station
  - i. UTA constructed an overhead Charging Station at Salt Lake Central which may be used by HVT buses on a cost reimbursement basis.
  - ii. UTA paid for the design, construction, maintenance, and operation of such Charging Station. PC shall reimburse UTA the amount of \$835,607 from No/Low grant funding which represents the actual design and construction costs.
  - iii. Segoe Lily Facility  
The Parties will amend the No/Low grant to reflect two depot chargers to be built at Segoe Lily Facility by HVT instead of at UTA Depot District.

- c. UTA and HVT may, by mutual agreement, change the location of chargers or charging stations described above, if circumstances so warrant.
- d. HVT and PC may, by mutual agreement with UTA, purchase additional chargers, and/or vehicles from Gillig by using purchase options from UTA's base contract via an assignment of contract rights by UTA and with the consent of Gillig.

#### **4. Bus Donation for Destruction**

- a. UTA donated two diesel buses which PC is obligated to destroy under the terms of the VW Settlement.
- b. UTA delivered said vehicles and respective titles to PC on March 10, 2023. PC shall be responsible for actual destruction of the vehicles according to FTA and EPA requirements. Vehicle id numbers are: 1M8PDMPA06P057017, and 1M8PDMPA76P057015.

#### **5. Acquisition of Vehicles**

UTA issued a request for proposal on July 20, 2020 for electric buses and charging infrastructure. PC was invited to review the scope and participate in the process. On October 23, UTA received 4 proposals. PC was invited to participate in the evaluation committee. Based on technical and price review Gillig was selected as the vendor for the project. The contract contains a base order as well as options. Each entity will be responsible for the final design and configuration of their vehicles.

In the case of future purchases made by PC or HVT through assignment of contract rights, that party will be responsible to administer and manage such procurement action. Any procurement through an assignment of UTA contract rights will require UTA and contractor concurrence.

Pursuant to the 2021 ILA, PC will transfer title of eight (8) of the 2020 ILA Buses to HVT.

#### **HOLD HARMLESS/INDEMNITY**

Each Party to this MOA shall hold the other Parties harmless from and shall indemnify the other Parties for any damages or injuries caused by the Party causing the injury or damage. However, nothing in this MOA waives any defenses or limitations under the Utah Governmental Immunity Act, Utah Code §63G-7-101, *et. seq.*, as amended.

#### **6. FORCE MAJEURE:**

Any delay in or failure by any Party in performance of this MOA shall be excused if and to the extent such delay or failure is caused by occurrences beyond the control of the affected Party including, but not limited to, decrees or restraints of government, acts of God, strikes, work stoppage or other labor disturbances, war or sabotage (each being a "Force Majeure Event"). The affected Party will promptly notify the other Parties upon becoming aware that any Force Majeure Event has occurred or is likely to occur and will use its best efforts to minimize any resulting delay in or interference with the performance of its obligations under this MOA.

**7. TERM:**

This MOA shall be in effect until July 21, 2026 unless otherwise terminated by the Parties by mutual written agreement.

**8. REMEDIES:**

Any of the following events will constitute cause for a Party to declare another Party in default of this MOA: (a) Party's non-performance of its contractual requirements and obligations under this MOA; or (b) Party's material breach of any term or condition of this MOA. The non-defaulting Party may issue a "Default Notice" providing a ten (10) day period in which the defaulting Party will have an opportunity to cure. Time allowed for cure will not diminish or eliminate Party's liability for damages. If the default remains after defaulting Party has been provided the opportunity to cure, the non-defaulting Party may do one or more of the following: (i) exercise any remedy provided by law or equity; (ii) institute legal action to cure, correct, or remedy any default or breach; (iii) specifically enforce any terms set forth in the MOA; or (iv) enjoin any threatened or attempted violation of the MOA.

**9. LAWS AND REGULATIONS:**

- a. This MOA shall be governed by and construed in accordance with the laws of the Utah without regard to its conflict of law's provisions
- b. PC, HVT and UTA each agree to comply with all applicable Federal, state and local laws, ordinances and regulations in providing transportation service with the 2020 ILA Buses. All Third-Party Contracts must be solicited, awarded and administered in accordance with FTA Circular 4220.1F.

**10. ENTIRE AGREEMENT:**

This MOA and the Exhibits attached hereto contain the full and complete understanding and agreement between the Parties relating to the subject matter hereof and supersede all prior and contemporary understandings and agreements, whether oral or written, relating such subject matter

hereof. This MOA may be executed in one or more counterparts and by exchange of signed counterparts transmitted by facsimile or electronic means, each of which shall be deemed an original and all of which, when taken together, shall constitute one and the same original instrument.

IN WITNESS WHEREOF, the Parties have executed this MOA the day and year first above written.

**UTAH TRANSIT AUTHORITY**


By: \_\_\_\_\_  
Lorin Simpson  
Title: Special Project Manager – Fleet  
Date: \_\_\_\_\_

By: \_\_\_\_\_  
Mary DeLoretto  
Title: Chief Capital Services Officer  
Date: \_\_\_\_\_

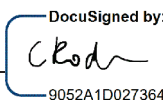
By: \_\_\_\_\_  
Jay Fox  
Title: Executive Director  
Date: \_\_\_\_\_

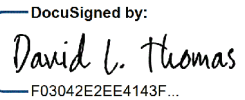
**PARK CITY MUNICIPAL CORP**

By: \_\_\_\_\_  
Matt Diaz  
Title: City Manager  
Date: \_\_\_\_\_


By:  \_\_\_\_\_  
386F31B71A2243C...  
Title: Deputy City Attorney  
Date: 6/29/2023

**HIGH VALLEY TRANSIT**

By:  \_\_\_\_\_  
9052A1D0273642F...  
Title: Executive Director  
Date: 7/18/2023

By:  \_\_\_\_\_  
F03042E2EE4143F...  
Title: Summit County, Deputy County Attorney  
Date: 6/29/2023

Approved As To Form and Content:

 \_\_\_\_\_  
70E33A415BA44F6... 9/2023

UTA Legal Counsel

**EXHIBIT A**  
**KIMBALL JUNCTION**





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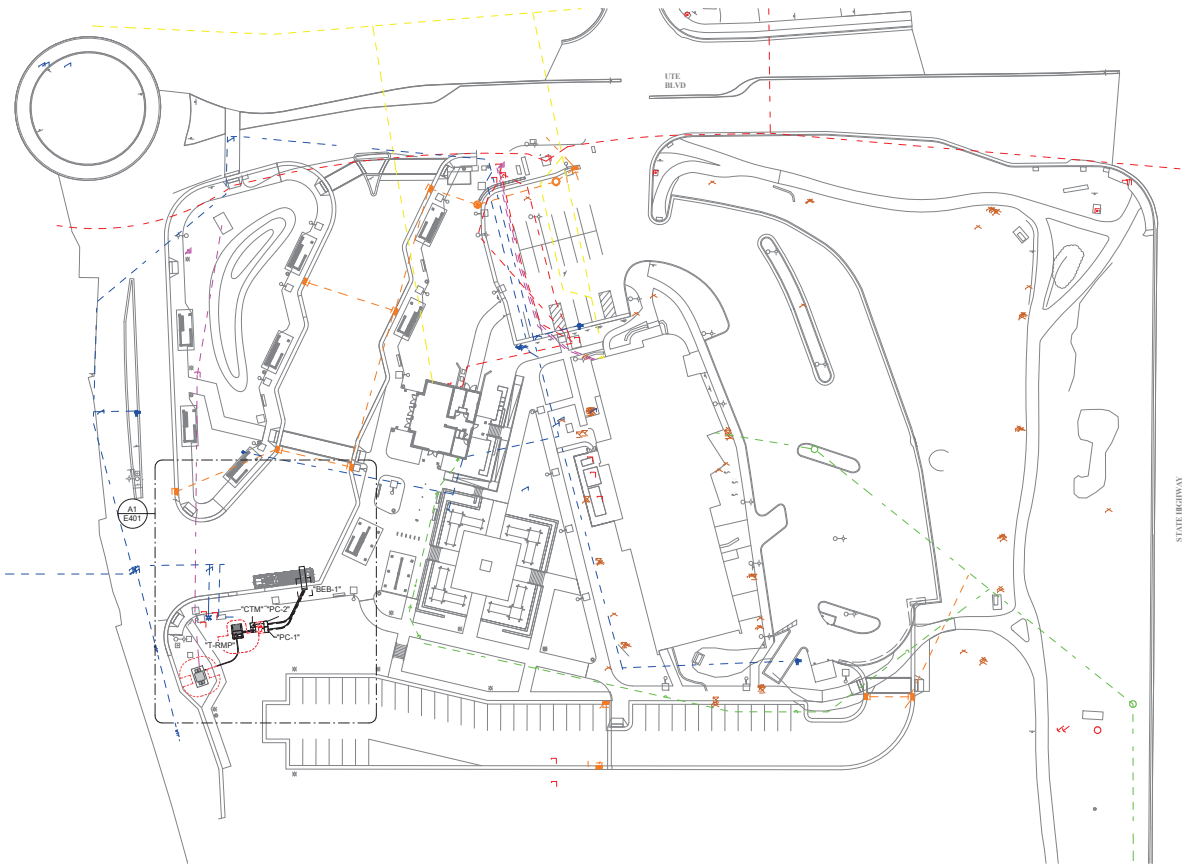
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**A1 ELECTRICAL SITE PLAN**  
 SCALE: 1" = 40'-0"



**GENERAL SHEET NOTES**

- 1 CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILL, AND COMPACTION ASSOCIATED TO ALL ELECTRICAL UNDERGROUND RACEWAYS AND CABLES. SEE UNDERGROUND RACEWAY DETAILS FOR REQUIREMENTS FOR EACH TRENCH.
- 2 THE CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE/ASPHALT CUTTING AND REPLACEMENT OF CONCRETE/ASPHALT TO MATCH EXISTING ASSOCIATED WITH UNDERGROUND RACEWAYS PROVIDED AS PART OF THIS PROJECT.
- 3 ALL MATERIALS PROVIDED FOR PROJECT SHALL MEET THE FTA BUY AMERICA ACT. CONTRACTOR SHALL SUBMIT CERTIFICATION TO ENGINEER AND OWNER FOR REVIEW FOR ALL MATERIALS.
- 4 CONTRACTOR IS RESPONSIBLE FOR BECOMING FAMILIAR WITH EXISTING CONDITIONS AND VERIFYING THE CONDITIONS PRIOR TO BIDDING PROJECT. IF ANY DISCREPANCIES OCCUR BETWEEN THE EXISTING PHYSICAL CONDITIONS ON SITE AND THE CONDITIONS DESCRIBED IN THE DRAWINGS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING.
- 5 UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN IN DARK AND SOLID LINES ARE NEW AND THE CONTRACTOR SHALL PROVIDE THEM. ITEMS SHOWN IN SOLID LIGHT LINES ARE TO REMAIN.
- 6 TYPICAL FOR ALL OPEN TO STRUCTURE CEILING AREAS - POWER CABLING AND CONTROL CABLES SHALL BE INSTALLED IN CONDUIT IN A NEAT AND PROFESSIONAL MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WITH CONDUIT UP IN STRUCTURE AND PAINTED TO MATCH SURFACE. ALL LOW VOLTAGE CABLING SHALL BE INSTALLED IN TRAY OR CONDUIT. INSTALLATION SHALL COMPLY WITH NECA STANDARDS.
- 7 CONTRACTOR SHALL CONTACT BLUE STAKES AND LOCATE ALL UNDERGROUND UTILITIES.



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 Salt Lake City, UT 84111  
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 801-328-5151  
 fax: 801-328-5155  
 www.spectrum-engineers.com



**UTA HIGH POWERED CHARGERS - KIMBALL JUNCTION**  
 6490 N. LANDMARK DRIVE  
 PARK CITY, UTAH 84098


Mark:    Date:    Description:  
 ISSUE: CONSTRUCTION DOCUMENTS  
 DATE:                    08/16/2022

PROJECT NO:            220184  
 DRAWN BY:             IBC  
 CHECKED BY:         LSK  
 DESIGNED BY:         LSK  
 RECORD DRAWING DATE:

SIGNATURE:  
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SHEET TITLE  
**ELECTRICAL SITE PLAN**

**E101**

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MARKS AND SYMBOLS LEGEND		
	SECTION MARK	FCx1 INDICATES CONTINUOUS FOOTING. SEE SCHEDULE
	SHEET NUMBER	
	FOOTING DESIGNATION	CW-4 INDICATES CONCRETE FOUNDATION WALL TYPE AND WIDTH. SEE SCHEDULE
	TOP OF FOOTING ELEVATION (B-F)	CC-4 INDICATES COLUMN. SEE SCHEDULE

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  - UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN IN DARK AND SOLID LINES ARE NEW AND THE CONTRACTOR SHALL PROVIDE THEM. ITEMS SHOWN IN SOLID LIGHT LINES ARE TO REMAIN.
  - TYPICAL FOR ALL OPEN TO STRUCTURE CEILING AREAS - POWER CABLING AND CONTROL CABLES SHALL BE INSTALLED IN CONDUIT IN A NEAT AND PROFESSIONAL MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WITH CONDUIT UP IN STRUCTURE AND PAINTED TO MATCH SURFACE. ALL LOW VOLTAGE CABLING SHALL BE INSTALLED IN TRAY OR CONDUIT. INSTALLATION SHALL COMPLY WITH NECA STANDARDS.
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- ### ○ SHEET KEYNOTES
- CONTRACTOR SHALL COORDINATE EXACTLY LOCATION TO INSTALL PANTOGRAPH WITH OWNER PROVIDED ABB REPRESENTATIVE.
  - CONTRACTOR SHALL INSTALL OWNER PROVIDED ABB POWER CABINETS. CONTRACTOR SHALL ASSIST ABB WITH COMMISSIONING OF SYSTEM.
  - CONTRACTOR SHALL SAW CUT, TRENCH, INSTALL CONDUIT, BACKFILL, COMPACT SOIL AND REPLACE/REPAIR ALL LANDSCAPE, ASPHALT, CURBING, HARDSCAPE PAINTING AND PARKING STRIPING TO MATCH EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
  - DEMOLISH EXISTING CONCRETE CURBING AND ROADWAY FROM EXPANSION JOINT TO EXPANSION JOINT. PROVIDE NEW CURBING AND ROADWAY MATCHING EXISTING AND PARK CITY STANDARDS. NEW CONCRETE MEETING UDOT/UTA SPEC TO MITIGATE HARDSCAPE MOVING WITH HEAVY BUSES AND CURVED CONCRETE TO MATCH GUTTER AND ALLOW WATER TO FLOW DOWN HILL.
  - DEMOLISH EXISTING CONCRETE SIDEWALK FROM EXPANSION JOINT TO EXPANSION JOINT. PROVIDE NEW SIDEWALK MATCHING EXISTING AND PARK CITY STANDARDS.
  - RMP FURNISHED AND INSTALLED TRANSFORMER. CONTRACTOR TO FURNISH AND INSTALL PRECAST VAULT MEETING RMP STANDARDS. COORDINATE EXACT LOCATION WITH RMP PRIOR TO INSTALLATION.

**UTA HIGH POWERED CHARGERS - KIMBALL JUNCTION**

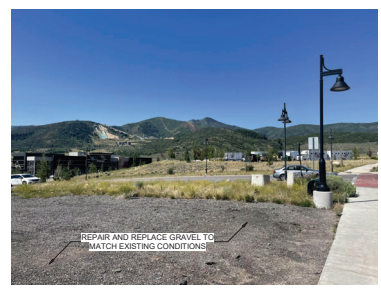
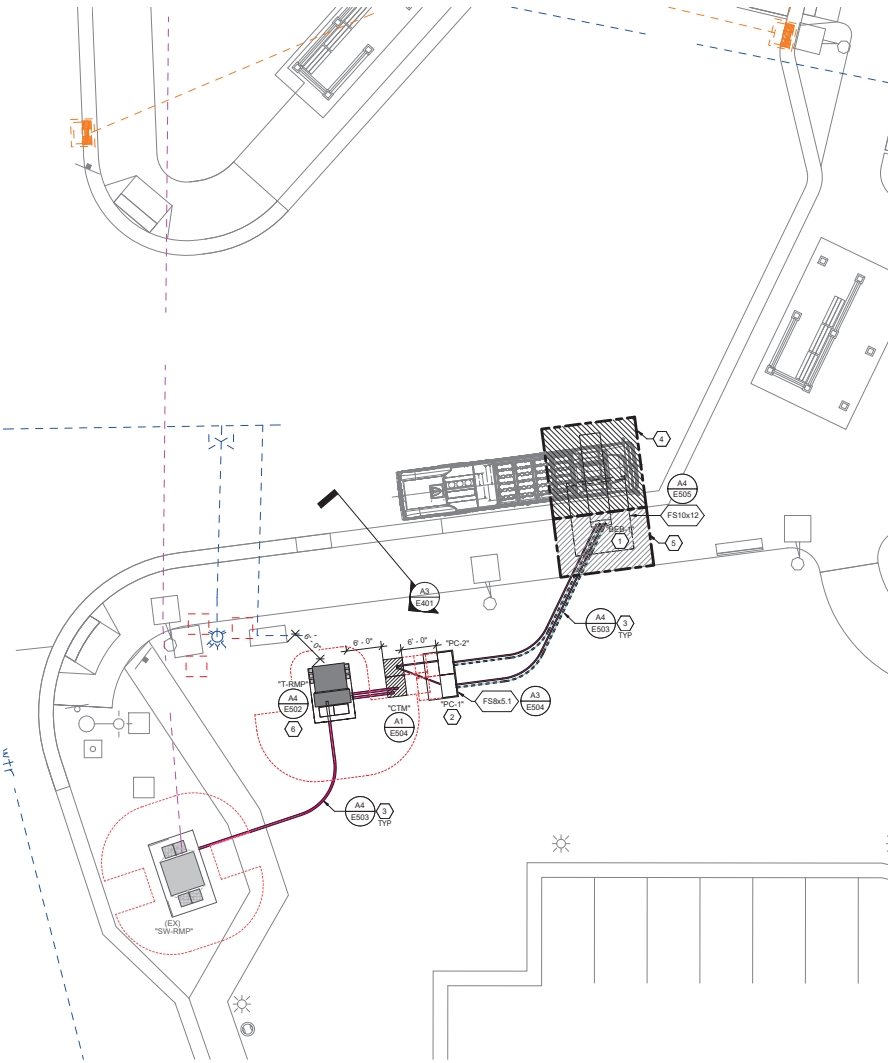
6490 N. LANDMARK DRIVE  
PARK CITY, UTAH 84098

Mark:	Date:	Description:
ISSUE: CONSTRUCTION DOCUMENTS		
DATE:	08/16/2022	

PROJECT NO:	220184
DRAWN BY:	IBC
CHECKED BY:	LSK
DESIGNED BY:	LSK
RECORD DRAWING DATE:	

SIGNATURE:  
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SHEET TITLE  
**ENLARGED ELECTRICAL SITE PLAN**

**E401**



**A1 ENLARGED ELECTRICAL SITE PLAN**  
SCALE: 1" = 10'-0"

**A3 SITE PHOTO**  
SCALE: NTS





**SHEET KEYNOTES**

1. ALL RACEWAY SHALL BE ROUTED TO PANTOGRAPH ARMS CONDUIT ENTRY AND KEEP THEM BUNDLED AND INSTALLED TIGHT AS POSSIBLE TO ASSURE CONDUITS WILL FIT WITH CONDUIT ENTRY AREA.

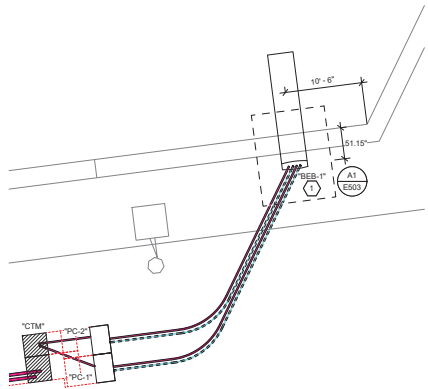


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**A1 TYPICAL PANTOGRAPH ALIGNMENT**  
SCALE: 1/8" = 1'-0"



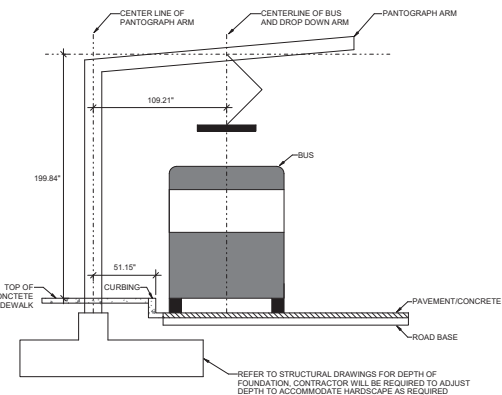
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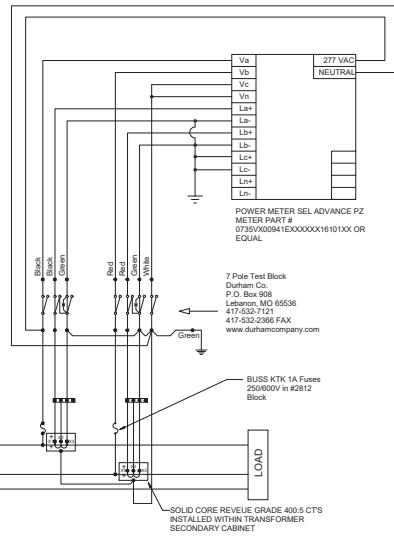
B

NOTE: DETAIL IS PROVIDED AS AN EXAMPLE. CONTRACTOR WILL BE NEEDED TO COORDINATED WITH ABB TECH ON SITE AND ADJUST AS DIRECTED BY MANUFACTURERS REPRESENTATIVE



**A1 PANTOGRAPH SECTION ALIGNMENT**  
SCALE: NTS

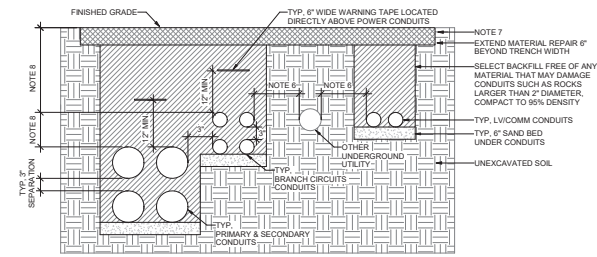
**A2 MDP METERING**  
SCALE: NTS



**NOTES:**

- INSTALL CONDUITS PER LOCAL UTILITY REQUIREMENTS.
- ALL BENDS SHALL BE LARGE RADIUS
- PROVIDE WIDE SWEEP FIBERGLASS ELBOWS FOR UTILITY POWER CONDUITS
- ALL ABOVEGROUND CONDUIT IN AREAS WHERE DAMAGE MAY OCCUR, ALL STUBUPS AND THE FIRST 10' UNDERGROUND SHALL BE PVC WRAPPED RMC. ALL OTHER UNDERGROUND CONDUIT SHALL BE PVC SCH 40.
- PROVIDE 2500-LB POLYPROPYLENE PULL ROPE WITH MEASUREMENT MARKS IN EMPTY CONDUITS.
- MAINTAIN UTILITY SEPARATION AS SHOWN BELOW UNLESS NOTED OTHERWISE. MAINTAIN A MINIMUM 18" CLEARANCE.
 

<b>SANITARY SEWER &amp; NONWATER</b>	<b>LOW PRESSURE GAS LINE</b>
-40" HORIZONTALLY	-30" HORIZONTALLY
-18" VERTICALLY	-18" VERTICALLY
-30" HORIZONTALLY	-18" VERTICALLY
-18" VERTICALLY	5000' - 24" VERTICALLY
<b>WATER</b>	<b>HIGH PRESSURE GAS LINE</b>
-30" HORIZONTALLY	4000' - 18" VERTICALLY
-18" VERTICALLY	4000' - 24" VERTICALLY
<b>STORM DRAIN</b>	<b>UTILITY</b>
-40" HORIZONTALLY	4000' - 22,000' - 30" VERTICALLY
-18" VERTICALLY	22,000' - 40,000' - 30" VERTICALLY
<b>TELECOM &amp; LOW VOLTAGE</b>	<b>TELECOM &amp; LOW VOLTAGE</b>
-18" HORIZONTALLY	-12" HORIZONTALLY
-18" VERTICALLY	-12" VERTICALLY
- REPAIR EXISTING ASPHALT OR SURFACE REFER TO CIVIL SPECIFICATIONS. WHERE SPECIFICATIONS DO NOT DEFINE CONTRACTOR SHALL REPAIR TO MATCH EXISTING CONDITIONS OR REQUIREMENTS BELOW.
  - CEMENT CONCRETE
  - UNTREATED BASE COURSE COMPACT TO 95% MODIFIED PROCTOR
  - PIT RUN GRAVE COMPACT TO 95% MODIFIED PROCTOR
- FOR ASPHALT:
  - STANDARD ASPHALT
  - UNTREATED BASE COURSE COMPACT TO 95% MODIFIED PROCTOR
  - PIT RUN GRAVE COMPACT TO 95% MODIFIED PROCTOR
- FOR TURF/PLANTER/LANDSCAPE:
  - TURF/PLANTER/LANDSCAPE
  - 12" TOPSOIL
- TYPICAL DEPTHS UNLESS NOTED OTHERWISE. PRIMARY AND SECONDARY POWER 6" MIN DEPTH. BRANCH CIRCUITS & LVICOMM 4" MIN DEPTH.



**A4 TYPICAL POWER AND TELECOM CONDUIT DIRECT BURY DETAIL**  
SCALE: NTS

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**UTA HIGH POWERED CHARGERS - KIMBALL JUNCTION**

6490 N. LANDMARK DRIVE  
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Mark: \_\_\_\_\_ Date: \_\_\_\_\_ Description: \_\_\_\_\_  
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SIGNATURE: \_\_\_\_\_  
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SHEET TITLE  
**ELECTRICAL DETAILS**

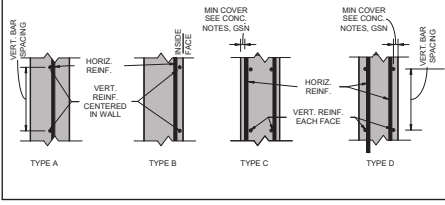
**E503**



CONCRETE WALL SCHEDULE

Table with columns: WALL MARK, THICKNESS (in), VERT. REINF., HORIZ. WALL REINF., WALL TYPE, COMMENTS. Includes row CW-8.

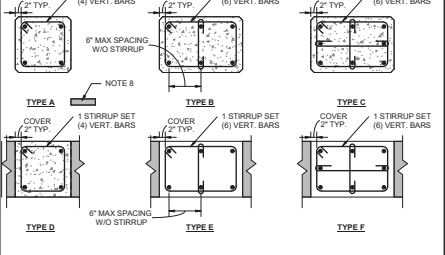
- 1. PROVIDE CORNER BARS AT ALL CORNERS AND INTERSECTING WALLS...
2. WHEN A SINGLE CURTAIN OF REINFORCING IS SPECIFIED...
3. WHEN A DOUBLE CURTAIN OF REINFORCING IS SPECIFIED...



CONCRETE COLUMN/PIER SCHEDULE

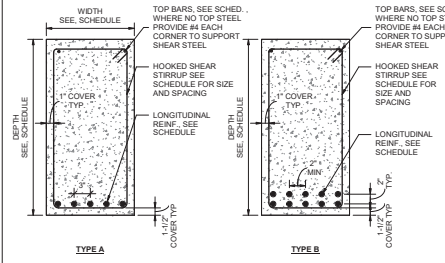
Table with columns: COLUMN MARK, WIDTH (in), LENGTH (in), VERTICAL REINF., STIRRUP TIE SETS, TYPE, COMMENTS. Includes rows CC8 and CC16.

- 1. VERTICAL BARS SHALL TERMINATE IN A STANDARD 90 DEGREE HOOK UNLESS APPROVED OTHERWISE...
2. WHEN USED, THE MAXIMUM OFFSET FOR INCLINED BARS SHALL BE 3 INCHES...



CONCRETE BEAM SCHEDULE

Table with columns: BEAM MARK, DEPTH (in), WIDTH (in), TOP LONG. REINF., BOT. LONG. REINF., SHEAR STIRRUP AND SPACING, BEAM TYPE, BEAM COMMENTS. Includes rows CB10, CB12, and CBB.



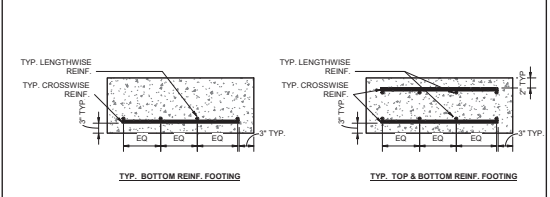
TYPICAL REBAR DEVELOPMENT/LAP LENGTH SCHEDULE

Table with columns: BAR SIZE, 2500 psi, 3000 psi, 3500 psi, 4000 psi, 4500 psi, 5000 psi. Sub-columns for S and T bars.

- 1. SCHEDULE IS INTENDED FOR USE WITH ALL BAR SPLICES IN CONCRETE WALLS FOUNDATIONS AND FOOTINGS...
2. TABULATED VALUES ARE THE MINIMUM REQUIRED LAP LENGTH PER CODE...

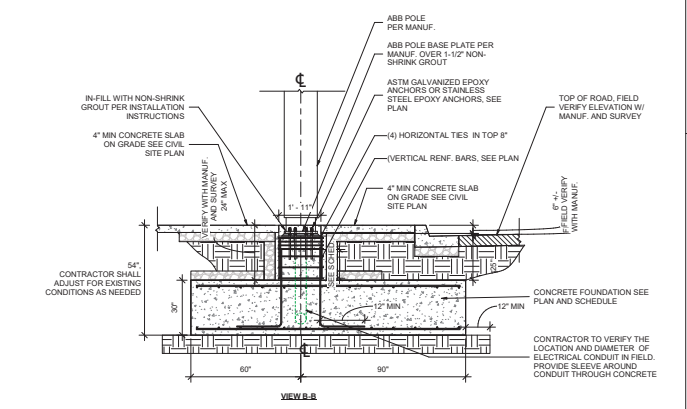
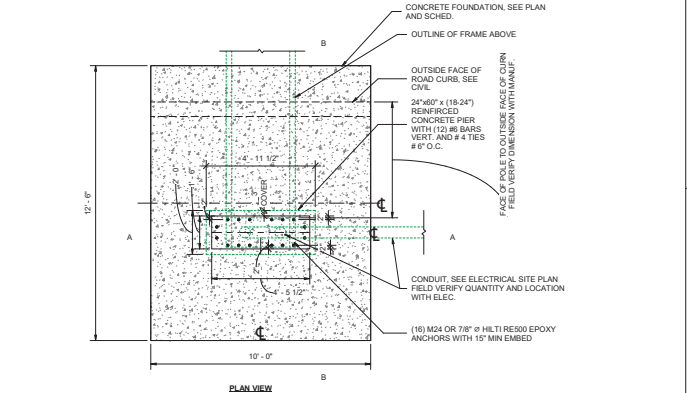
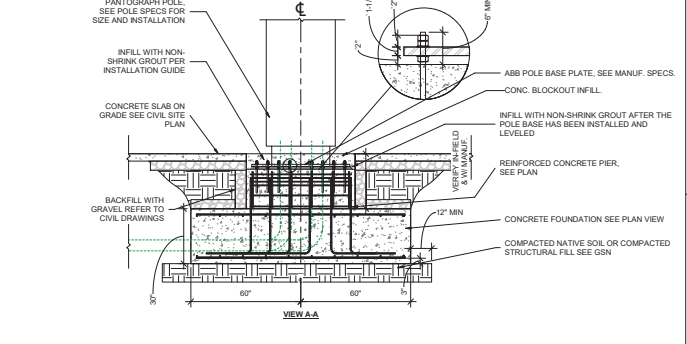
Table with columns: MARK, WIDTH, LENGTH, THICKNESS, LENGTHWISE REINF., CROSSWISE REINF., COMMENT. Includes rows FS8x5.1 and FS10x12.

- 1. BOTTOM REINFORCING REBAR SHALL HAVE A MINIMUM OF 3" CONCRETE CLEAR COVER (UNO)...
2. TOP REINFORCING REBAR SHALL HAVE A MINIMUM OF 2" OF CONCRETE CLEAR COVER (UNO)...



GENERAL INSTALL NOTES

- 1. COORDINATE ALL DIMENSIONS AND ELEVATIONS IN FIELD WITH SURVEY AND PER MANUFACTURERS PRINTED INSTALLATION INSTRUCTIONS...
2. IN THE CASE OF ANY DISCREPANCY BETWEEN THE PLANS/DETAILS AND THE MANUFACTURER PRINTED INSTALL GUIDE...
3. CONTRACTOR SHALL COORDINATE DEPTH OF CONCRETE FOUNDATION WITH HARDSCAPE SUCH THAT ALL REQUIRED HARDSCAPE SPECIFICATIONS SHALL BE MET.



A4 PANTOGRAPH CHARGING POLE FOUNDATION SCALE: NTS



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UTA HIGH POWERED CHARGERS - KIMBALL JUNCTION 6490 N. LANDMARK DRIVE PARK CITY, UTAH 84098

Mark: Date: Description: ISSUE: CONSTRUCTION DOCUMENTS DATE: 08/16/2022

PROJECT NO: 220184 DRAWN BY: IBC CHECKED BY: LSK DESIGNED BY: LSK RECORD DRAWING DATE: SIGNATURE:

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STRUCTURAL DETAILS

E505

### 150KW VEHICLE CHARGER CONDUIT AND CABLING SCHEDULE

ID	Description
DC	2" GRC WITH (2) #350CU, 1500V
DC-G	2" GRC WITH (2) #350CU, 1000V & #2CU GROUND
G1	1" GRC WITH #2CU GROUND

### SHEET KEYNOTES

- PROVIDE METER SOCKET PER RMP STANDARDS. METER & CTS SHALL BE FURNISHED AND INSTALLED BY RMP.
- PROVIDE 100% RATED MAIN BREAKER.
- PROVIDE (2) 4" CONDUIT WITH FULL STRING. PROVIDE WIDE SWEEP FIBERGLASS ELBOWS. RMP TO PROVIDE CABLING.
- PROVIDE DIGITAL METER LOCATED IN SWITCHGEAR AND FACTORY INSTALLED.
- OWNER FURNISHED ABB HVC 150 POWER CABINET AND CONTRACTOR INSTALLED CHARGING STATIONS. REFER TO GROUNDING RISER FOR GROUNDING REQUIREMENTS.
- OWNER FURNISHED ABB ELECTRIC BUS PANTOGRAPH CHARGER AND CONTRACTOR INSTALLED. REFER TO GROUNDING RISER FOR GROUNDING REQUIREMENTS.
- REFER TO LOW VOLTAGE RISERS FOR ADDITIONAL DETAILS.
- OWNER FURNISHED ABB HVC 150S POWER CABINET AND CONTRACTOR INSTALLED CHARGING STATIONS. REFER TO GROUNDING RISER FOR GROUNDING REQUIREMENTS.
- PROVIDE (1) 4" CONDUIT WITH FULL STRING. PROVIDE WIDE SWEEP FIBERGLASS ELBOWS. RMP TO PROVIDE CABLING.
- RMP FURNISHED AND INSTALLED TRANSFORMER. CONTRACTOR TO FURNISH AND INSTALL PRECAST VAULT MEETING RMP STANDARDS. COORDINATE EXACT LOCATION WITH RMP PRIOR TO INSTALLATION.

### GENERAL SHEET NOTES

- PROVIDE NEMA 3R ENCLOSURES FOR EQUIPMENT LOCATED OUTDOORS. REFER TO PLANS FOR EQUIPMENT LOCATIONS.
- REFER TO PLANS FOR CONSTRAINTS ON PHYSICAL DIMENSIONS AND CLEARANCE REQUIREMENTS OF EQUIPMENT. PROVIDE EQUIPMENT DIMENSIONS THAT FALL WITHIN THE CONSTRAINTS OF EACH SPECIFIC LOCATION.
- ALL EQUIPMENT SHALL BE CONSTRUCTED AND BRACED FOR THE SEISMIC CONDITIONS OF THE PROJECT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
- TYPICAL ALL CHARGERS AND CHARGER EQUIPMENT SHALL BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

### COPPER CONDUCTOR AND CONDUIT SCHEDULE

SCHEDULE NUMBER (E.G. E601)

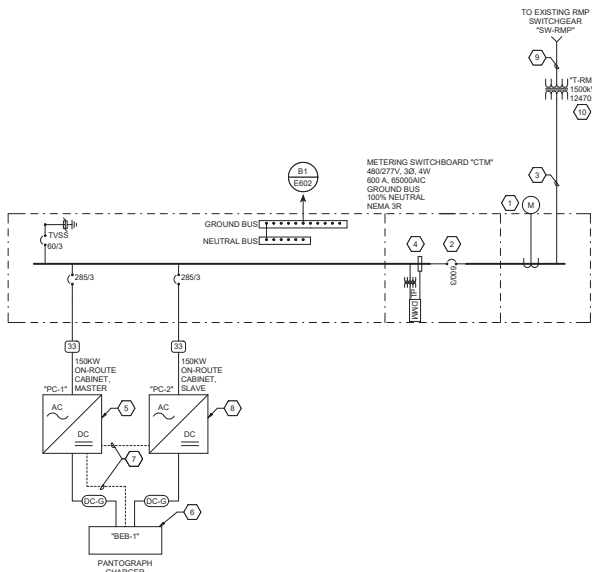
SUBSCRIPT (NOTE 5)

SYM	AMP	HH	CONDUIT	CONDUCTOR (NOTE 1)	IG	SE	NOTES
E601	20	-	75	2 12 12 12	8	2	
E601	20	-	75	3 12 12 12	8	2,3	
E601	20	24	75	4 12 12 12	8	2,3	
E601	30	-	75	3 10 10 10	8	2	
E601	30	-	75	3 10 10 10	10	8	2
E601	30	32	75	4 10 10 10	10	8	2
E601	40	-	1	3 8 10 8	6	2	
E601	40	-	1	3 8 10 8	6	2	
E601	40	44	1	4 8 10 8	6	2	
E601	55	-	1	3 6 10 8	4	2	
E601	55	-	1	3 6 10 8	4	2	
E601	55	60	1.25	4 6 10 8	4	2	
E601	70	-	1.25	3 4 8 4	2	2	
E601	70	-	1.25	3 4 8 4	2	2	
E601	70	76	1.25	4 4 8 4	2	2	
E601	85	-	1.25	3 3 8 3	2	2	
E601	85	-	1.25	3 3 8 3	2	2	
E601	85	82	1.25	4 3 8 3	2	2	
E601	95	-	1.25	3 2 8 2	2	2	
E601	95	104	1.50	4 2 8 2	2	2	
E601	130	-	1.50	3 1 6 2	2	2	
E601	130	116	1.50	4 1 6 2	2	2	
E601	150	-	2	3 10 6 2	10	2	
E601	150	136	2	4 10 6 2	10	2	
E601	175	-	2	3 20 6 2	20	2	
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E601	230	-	2.50	3 40 4 2	20	2	
E601	230	208	2.50	4 40 4 2	20	2	
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E601	310	280	3	4 350 3 10	30	2	
E601	380	-	3.50	3 500 3 30	30	2	
E601	380	344	4	500 3 30	30	2	
E601	400	-	2 EA 2	3 300 3 30	30	2	
E601	400	360	2 EA 2.50	4 30 3 30	30	2	
E601	510	-	2 EA 2.50	250 1 40	30	2	
E601	510	464	2 EA 3	4 250 1 40	30	2	
E601	620	-	2 EA 3	3 350 10 40	30	2,4	
E601	620	560	2 EA 3	4 350 10 40	30	2,4	
E601	760	-	2 EA 3.50	3 500 10 40	30	2,4	
E601	760	688	2 EA 4	4 500 10 40	30	2,4	
E601	855	-	3 EA 3	3 300 40 30	2,4		
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E601	1000	-	3 EA 3.50	3 400 20 40	30	4	
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E601	4180	-	11 EA 4	4 500 600 600	4		
E601	-	-	-	-	-	6	
E601	-	-	-	-	-	6	
E601	-	-	-	-	-	6	

#### FAULT CURRENT TABLE

BUS	FAULT CURRENT
BTM	85000

PROVIDE FULLY RATED CIRCUIT BREAKERS IN PANELBOARDS FOR THE FAULT CURRENT SHOWN. SERIES RATINGS WITH NEXT LEVEL UPSTREAM OVERCURRENT PROTECTIVE DEVICES ARE PERMITTED SUBJECT TO FACTORY I.A. DOCUMENTATION OF SERIES RATING SUBMITTED TO ENGINEER. IF DEVICE OR EQUIPMENT FAULT CURRENT RATING IS NOT SHOWN, ASSUME 100,000 AIC.



### A1 ONE-LINE DIAGRAM

SCALE: NTS



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### UTA HIGH POWERED CHARGERS - KIMBALL JUNCTION

6490 N. LANDMARK DRIVE  
PARK CITY, UTAH 84098

Mark: Date: Description:

ISSUE: CONSTRUCTION DOCUMENTS  
DATE: 08/16/2022

PROJECT NO: 220184  
DRAWN BY: IBC  
CHECKED BY: LSK  
DESIGNED BY: LSK

RECORD DRAWING DATE:

SIGNATURE:  
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SHEET TITLE

ONE-LINE DIAGRAM

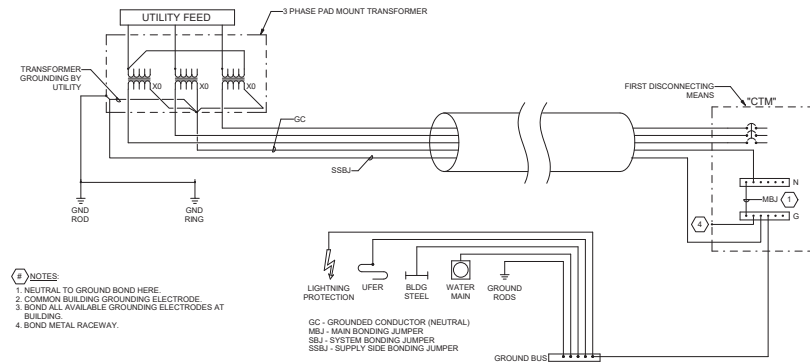
# E601

**SHEET KEYNOTES**

- 18 AWG, 4 CONDUCTOR COMMUNICATIONS CABLE WILL CONNECT DIRECTLY TO DIN-RAIL MOUNTED COMMUNICATIONS EQUIPMENT. LEAVE A MINIMUM OF 6" ADDITIONAL SLACK TO ENSURE ENOUGH CABLE LENGTH FOR PROPER TERMINATION.
- FIBER OPTIC CABLE WILL CONNECT DIRECTLY TO DIN-RAIL MOUNTED FIBER PATCH PANEL WITH ST CONNECTORS.



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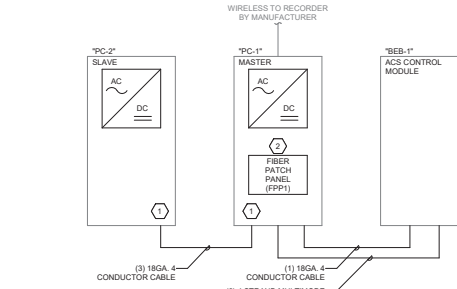


- NOTES:**
1. NEUTRAL TO GROUND BOND HERE.
  2. COMMON BUILDING GROUNDING ELECTRODE.
  3. BOND ALL AVAILABLE GROUNDING ELECTRODES AT BUILDING.
  4. BOND METAL RACEWAY.

GC - GROUNDED CONDUCTOR (NEUTRAL)  
MBJ - MAIN BONDING JUMPER  
SSBJ - SYSTEM BONDING JUMPER  
SSBJ - SUPPLY SIDE BONDING JUMPER

**TYPICAL OUTDOOR UTILITY TRANSFORMER SEPARATELY DERIVED SYSTEM GROUNDING AND BONDING DETAIL**

SCALE: NTS



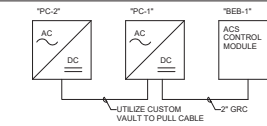
**ON ROUTE BEB CHARGER LOW VOLTAGE RISER**

SCALE: NTS

**EQUIPMENT/CABLE LIST**

THE ITEMS INDICATED BELOW SHALL NOT BE CONSIDERED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION, WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE. FOR A COMPLETE INSTALLATION, COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

SYMBOL	ITEM DESCRIPTION	ACCEPTABLE TYPES
	FIBER OPTIC CABLE, 04 STRAND MULTI-MODE, OUTDOOR, OSP RATED, LOOSE TUBE, GEL FREE	CORNING 107R/US 107R0200
	INTERLOCK CABLE, 18 AWG, 4 CONDUCTOR, UV RESISTANT PVC, OSP	WEST PENN AQ244
	FIBER PATCH PANEL, DIN RAIL MOUNTED	CORNING SPH-41P
	ADAPTER PANEL, 08 POSITION, 08 FIBER, ST CONNECTOR	CORNING CCH-CP8H3
	DIN RAIL MOUNTING KIT	CORNING SPH-0N-KIT



**ON ROUTE BEB CHARGER LOW VOLTAGE RACEWAY RISER**

SCALE: NTS

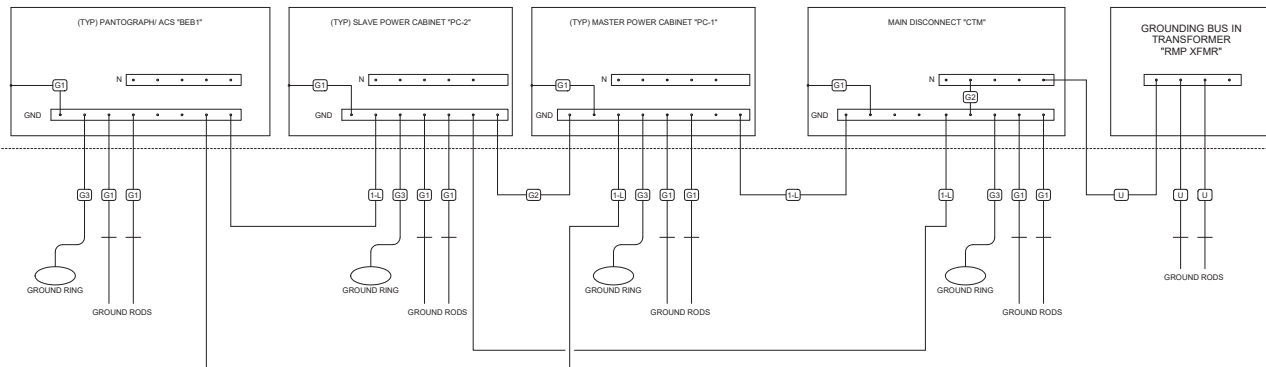
**UTA HIGH POWERED CHARGERS - KIMBALL JUNCTION**

6490 N. LANDMARK DRIVE  
PARK CITY, UTAH 84098

**GROUNDING SCHEDULE**

ALL CONDUCTORS ARE INSULATED UNLESS INDICATED OTHERWISE

SYM	SIZE
G1	#6 CU
G2	#2 CU
G3	#40 CU
G4	#250 KCMIL CU
G5	#250 KCMIL CU
G7	1" CONDUIT CU
U	BY LOCAL UTILITY POWER COMPANY
L4	GROUNDING CONDUCTOR PER ONE-LINE DIAGRAM



**TYPICAL ON ROUTE BEB CHARGER GROUNDING & BONDING RISER**

SCALE: NTS

Mark: \_\_\_\_\_ Date: \_\_\_\_\_ Description: \_\_\_\_\_  
ISSUE: CONSTRUCTION DOCUMENTS  
DATE: 08/16/2022

PROJECT NO: 220184  
DRAWN BY: IBC  
CHECKED BY: LSK  
DESIGNED BY: LSK  
RECORD DRAWING DATE:  
SIGNATURE:

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SHEET TITLE

**GROUNDING RISER DIAGRAMS**

**E602**

**EXHIBIT B**  
**ENLARGED ELECTRICAL SITE PLAN**

**MARKS AND SYMBOLS LEGEND**

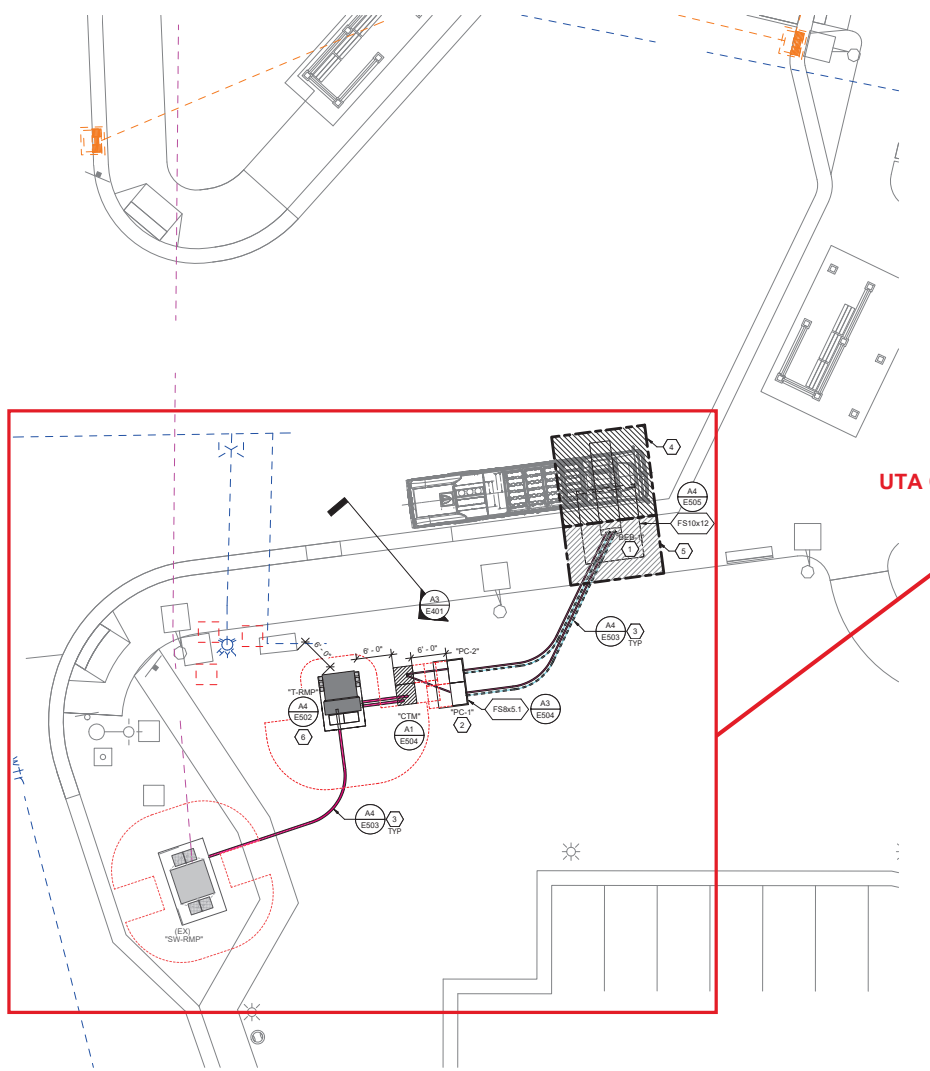
	SECTION MARK	FCx1	INDICATES CONTINUOUS FOOTING. SEE SCHEDULE
	SHEET NUMBER	CW-4	INDICATES CONCRETE FOUNDATION WALL TYPE AND WIDTH. SEE SCHEDULE
	FOOTING DESIGNATION	CC-4	INDICATES COLUMN. SEE SCHEDULE
	TOP OF FOOTING ELEVATION (B-H)		

- GENERAL SHEET NOTES**
- 1 CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, BACKFILL, AND COMPACTION ASSOCIATED TO ALL ELECTRICAL UNDERGROUND RACEWAYS AND CABLES. SEE UNDERGROUND RACEWAY DETAILS FOR REQUIREMENTS FOR EACH TRENCH.
  - 2 THE CONTRACTOR IS RESPONSIBLE FOR ALL CONCRETE ASPHALT CUTTING AND REPLACEMENT OF CONCRETE ASPHALT TO MATCH EXISTING ASSOCIATED WITH UNDERGROUND RACEWAYS PROVIDED AS PART OF THIS PROJECT.
  - 3 ALL MATERIALS PROVIDED FOR PROJECT SHALL MEET THE FTA BUY AMERICA ACT. CONTRACTOR SHALL SUBMIT CERTIFICATION TO ENGINEER AND OWNER FOR REVIEW FOR ALL MATERIALS.
  - 4 CONTRACTOR IS RESPONSIBLE FOR BECOMING FAMILIAR WITH EXISTING CONDITIONS AND VERIFYING THE CONDITIONS PRIOR TO BEGGING PROJECT. IF ANY DISCREPANCIES OCCUR BETWEEN THE EXISTING PHYSICAL CONDITIONS ON SITE AND THE CONDITIONS DESCRIBED IN THE DRAWINGS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING.
  - 5 UNLESS NOTED OTHERWISE, ELECTRICAL ITEMS SHOWN IN DARK AND SOLID LINES ARE NEW AND THE CONTRACTOR SHALL PROVIDE THEM. ITEMS SHOWN IN SOLID LIGHT LINES ARE TO REMAIN.
  - 6 TYPICAL FOR ALL OPEN TO STRUCTURE CEILING AREAS - POWER CABLING AND CONTROL CABLES SHALL BE INSTALLED IN CONDUIT IN A NEAT AND PROFESSIONAL MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WITH CONDUIT UP IN STRUCTURE AND PAINTED TO MATCH SURFACE. ALL LOW VOLTAGE CABLING SHALL BE INSTALLED IN TRAY OR CONDUIT. INSTALLATION SHALL COMPLY WITH NECA STANDARDS.
  - 7 CONTRACTOR SHALL CONTACT BLUE STAKES AND LOCATE ALL UNDERGROUND UTILITIES.

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 801-328-5151  
 fax: 801-328-5155  
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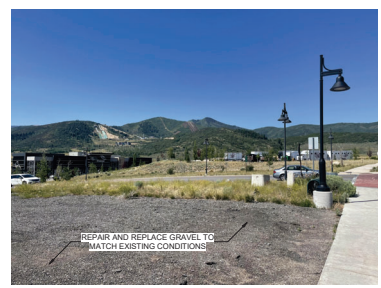
**UTA**

D  
C  
B  
A



UTA Construction Access Area

- SHEET KEYNOTES**
- 1 CONTRACTOR SHALL COORDINATE EXACTLY LOCATION TO INSTALL PANTOGRAPH WITH OWNER PROVIDED ABB REPRESENTATIVE.
  - 2 CONTRACTOR SHALL INSTALL OWNER PROVIDED ABB POWER CABINETS. CONTRACTOR SHALL ASSIST ABB WITH COMMISSIONING OF SYSTEM.
  - 3 CONTRACTOR SHALL SAW CUT, TRENCH, INSTALL CONDUIT, BACKFILL, COMPACT SOIL AND REPLACE/REPAIR ALL LANDSCAPE, ASPHALT, CURBING, HARDSCAPE PAINTING AND PARKING STRIPING TO MATCH EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
  - 4 DEMOLISH EXISTING CONCRETE CURBING AND ROADWAY FROM EXPANSION JOINT TO EXPANSION JOINT. PROVIDE NEW CURBING AND ROADWAY MATCHING EXISTING AND PARK CITY STANDARDS. NEW CONCRETE MEETING UDOT/UTA SPEC TO MITIGATE HARDSCAPE MOVING WITH HEAVY BUSES AND CURVED CONCRETE TO MATCH GUTTER AND ALLOW WATER TO FLOW DOWN HILL.
  - 5 DEMOLISH EXISTING CONCRETE SIDEWALK FROM EXPANSION JOINT TO EXPANSION JOINT. PROVIDE NEW SIDEWALK MATCHING EXISTING AND PARK CITY STANDARDS.
  - 6 RMP FURNISHED AND INSTALLED TRANSFORMER. CONTRACTOR TO FURNISH AND INSTALL PRECAST VAULT MEETING RMP STANDARDS. COORDINATE EXACT LOCATION WITH RMP PRIOR TO INSTALLATION.



**A1 ENLARGED ELECTRICAL SITE PLAN**  
SCALE: 1" = 10'-0"

**A3 SITE PHOTO**  
SCALE: NTS

D  
C  
B  
A

**UTA HIGH POWERED CHARGERS - KIMBALL JUNCTION**  
 6490 N. LANDMARK DRIVE  
 PARK CITY, UTAH 84098

Mark:	Date:	Description:
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**SHEET TITLE**  
 ENLARGED ELECTRICAL SITE PLAN

**E401**