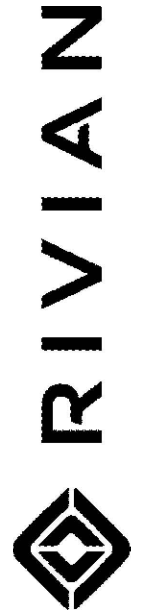




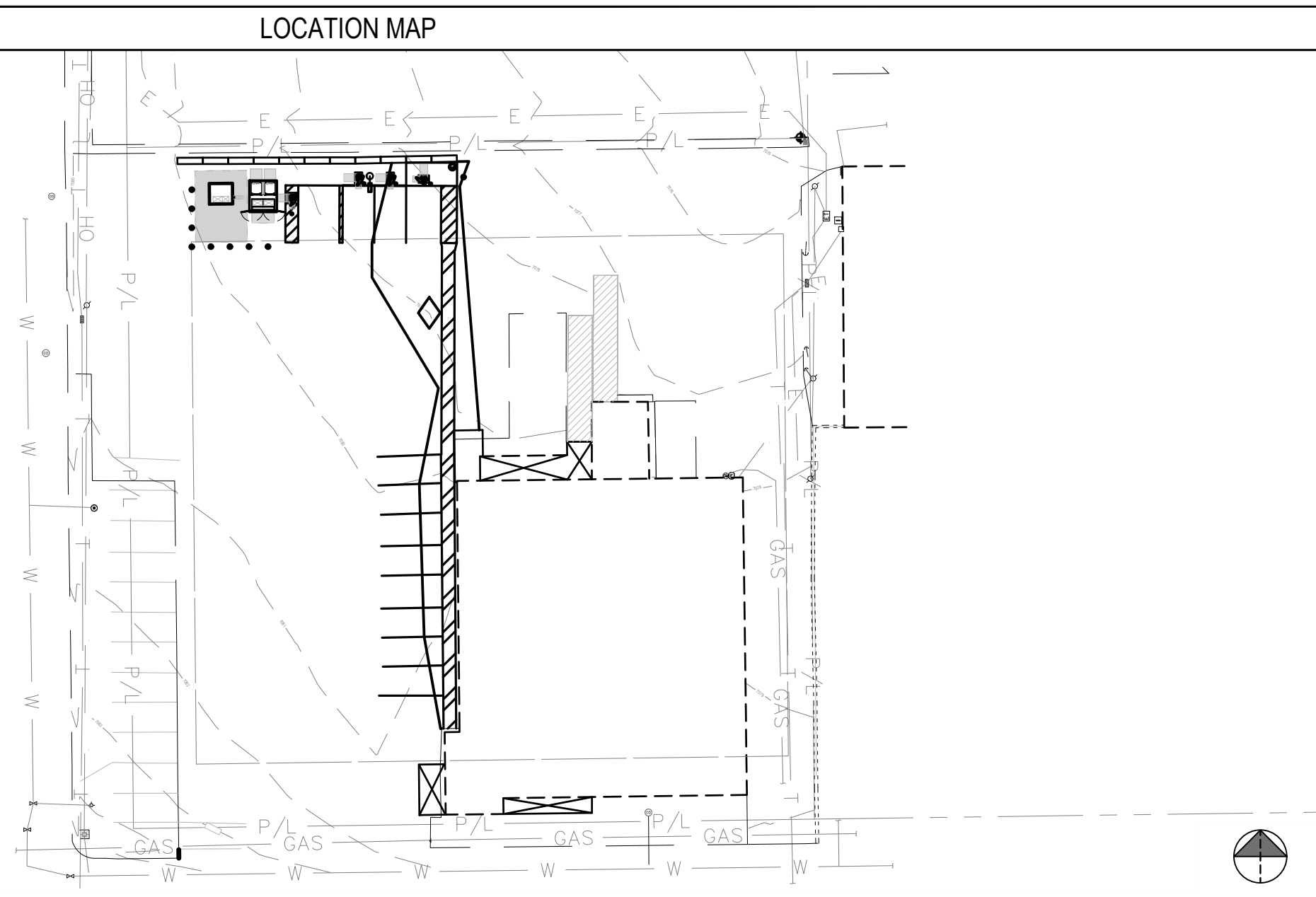
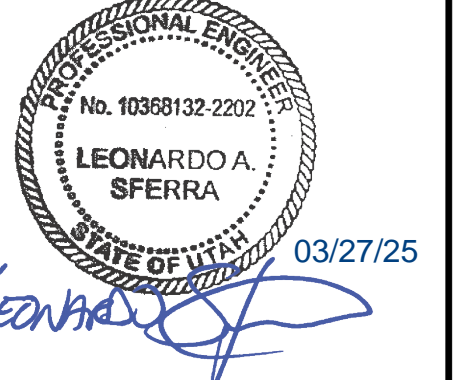
DCFC ADVENTURE NETWORK

64 W. CENTER STREET

MONTICELLO, UT 84535



| REV | DATE | DESCRIPTION |
|-----|------------|------------------------|
| A | 02/04/2025 | ISSUED FOR 30% REVIEW |
| B | 02/19/2025 | ISSUED FOR 90% REVIEW |
| C | 03/24/2025 | ISSUED FOR 100% REVIEW |
| D | 03/27/2025 | ISSUED FOR SIGN & SEAL |



MAP DATA ©2025 GOOGLE

NOT TO SCALE

MAP DATA ©2025 GOOGLE

NOT TO SCALE

| SITE INFORMATION | | PROJECT CONTACTS | | APPLICABLE CODES | DESIGN LOADING | SHEET INDEX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| SITE ADDRESS 64 W. CENTER STREET MONTICELLO, UT 84535 APN A001200J0020 COUNTY SAN JUAN | | UTILITY COMPANY EMPIRE ELECTRIC ASSOCIATION, INC. CONTACT: ANDY CARTER (970) 564-4489 WORK ORDER: TBD PROPERTY OWNER BLUE MOUNTAIN FOODS INC. CONTACT: TBD RIVIAN DEPLOYMENT MANAGER NATE HEUSSENSTAMM (858) 880-4272 NHEUSSENSTAMM@RIVIAN.COM PERMITTING JURISDICTION: CITY OF MONTICELLO MEGAN GALLEGOS (435) 587-2271 EXT: 15 | | EOR CONTACTS PROJECT MANAGER ISAAC MAHAM (614) 588-8946 IMAHAM@GPDGROUP.COM PROJECT COORDINATOR PERMIT COORDINATOR CAMERON FRUEH (614) 859-1632 GPDCHARGEPERMITS@GPDGROUP.COM UTILITY COORDINATOR NICHOLAS TAMBURRINO (330) 564-2362 GPD.CHARGESITES.UT@GPDGROUP.COM | | ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES: 2021 INTERNATIONAL BUILDING CODE 2020 NATIONAL ELECTRIC CODE AS USED HEREIN, IBC SHALL REFER TO INTERNATIONAL BUILDING CODE AND NEC SHALL REFER TO NATIONAL ELECTRIC CODE UT DEPT OF TRANSPORTATION SPECIFICATIONS THE STANDARD SPECIFICATIONS OF THE STATE OF UT, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT. | SNOW LOADS: GROUND SNOW LOAD (P _s) 67 PSF LATERAL LOAD DESIGN DATA: WIND DESIGN DATA (ASCE 7-16): BASIC WIND SPEED (V _{ULT}) 103 MPH RISK CATEGORY II EXPOSURE CATEGORY C SEISMIC DESIGN DATA (ASCE 7-16): 1.0 SEISMIC IMPORTANCE FACTOR (I) 1.0 RISK CATEGORY II SITE CLASS (ASSUMED) D MAPPED SPECTRAL RESPONSE SHORT PERIODS (S _{0.2}) 0.179 1 SEC. PERIODS (S ₁) 0.057 SPECTRAL RESPONSE COEFF. SHORT PERIODS (S _{0.2}) 0.191 1 SEC. PERIODS (S ₁) 0.091 SEISMIC DESIGN CATEGORY B FROST DEPTH 36 IN | <table border="1"> <thead> <tr> <th colspan="2">SHEET INDEX</th> </tr> <tr> <th>CIVIL</th> <th>SHEET TITLE</th> </tr> </thead> <tbody> <tr><td>C-001</td><td>COVER SHEET</td></tr> <tr><td></td><td>TOPOGRAPHIC SURVEY (BY OTHERS)</td></tr> <tr><td>C-002</td><td>RIVIAN EQUIPMENT SPECIFICATION SHEET</td></tr> <tr><td>C-003</td><td>CIVIL CONSTRUCTION NOTES</td></tr> <tr><td>C-100</td><td>OVERALL SITE PLAN</td></tr> <tr><td>C-101</td><td>EXISTING CONDITIONS AND DEMOLITION PLAN</td></tr> <tr><td>C-111</td><td>CIVIL SITE PLAN</td></tr> <tr><td>C-121</td><td>DIMENSION SITE PLAN</td></tr> <tr><td>C-131</td><td>GRADING PLAN</td></tr> <tr><td>C-141</td><td>ELEVATION PLAN</td></tr> <tr><td>C-201</td><td>CIVIL DETAILS</td></tr> <tr><td>C-202</td><td>CIVIL DETAILS</td></tr> <tr> <th>ELECTRICAL</th> <th>SHEET TITLE</th> </tr> <tr><td>E-001</td><td>ELECTRICAL GENERAL NOTES</td></tr> <tr><td>E-100</td><td>OVERALL ELECTRICAL SITE PLAN</td></tr> <tr><td>E-101</td><td>ELECTRICAL SITE PLAN</td></tr> <tr><td>E-201</td><td>SINGLE LINE DIAGRAM AND PANEL SCHEDULE</td></tr> <tr><td>E-301</td><td>ELECTRICAL DETAILS</td></tr> </tbody> </table> | | SHEET INDEX | | CIVIL | SHEET TITLE | C-001 | COVER SHEET | | TOPOGRAPHIC SURVEY (BY OTHERS) | C-002 | RIVIAN EQUIPMENT SPECIFICATION SHEET | C-003 | CIVIL CONSTRUCTION NOTES | C-100 | OVERALL SITE PLAN | C-101 | EXISTING CONDITIONS AND DEMOLITION PLAN | C-111 | CIVIL SITE PLAN | C-121 | DIMENSION SITE PLAN | C-131 | GRADING PLAN | C-141 | ELEVATION PLAN | C-201 | CIVIL DETAILS | C-202 | CIVIL DETAILS | ELECTRICAL | SHEET TITLE | E-001 | ELECTRICAL GENERAL NOTES | E-100 | OVERALL ELECTRICAL SITE PLAN | E-101 | ELECTRICAL SITE PLAN | E-201 | SINGLE LINE DIAGRAM AND PANEL SCHEDULE | E-301 | ELECTRICAL DETAILS |
| SHEET INDEX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIVIL | SHEET TITLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-001 | COVER SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TOPOGRAPHIC SURVEY (BY OTHERS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-002 | RIVIAN EQUIPMENT SPECIFICATION SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-003 | CIVIL CONSTRUCTION NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-100 | OVERALL SITE PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-101 | EXISTING CONDITIONS AND DEMOLITION PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-111 | CIVIL SITE PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-121 | DIMENSION SITE PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-131 | GRADING PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-141 | ELEVATION PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-201 | CIVIL DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-202 | CIVIL DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ELECTRICAL | SHEET TITLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-001 | ELECTRICAL GENERAL NOTES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-100 | OVERALL ELECTRICAL SITE PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-101 | ELECTRICAL SITE PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-201 | SINGLE LINE DIAGRAM AND PANEL SCHEDULE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-301 | ELECTRICAL DETAILS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT DESCRIPTION INSTALLATION OF (1) SWITCHBOARD, (2) POWER CABINETS, AND (4) DISPENSERS WITH (1) UTILITY TRANSFORMER AND ASSOCIATED UTILITY EQUIPMENT TO BE INSTALLED ON SITE. | | | | FLOOD HAZARD NOTE THE SITE IS LOCATED IN FLOOD ZONE "D" (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER FLOOD INSURANCE MAP NUMBER 490212, EFFECTIVE DATE - 12/24/1976. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Drawing Name: O:\2023\202326417 - Monticello, UT\dwg\2023264.17 - Monticello, UT - S&S.dwg
March 27, 2025 12:18 PM - NEVANS

DCFC ADVENTURE NETWORK
64 W. CENTER STREET
MONTICELLO, UT 84535

COVER SHEET

| | |
|-----------------------|----------|
| PROJECT MANAGER | DESIGNER |
| IM | JVT |
| JOB NO. 2023264.17 | |
| C-001 | |

SURVEY DRAWING

TITLE DESCRIPTION

SAN JUAN COUNTY, STATE OF UTAH:
BEGINNING AT THE SOUTHWEST CORNER OF BLOCK J, MONTICELLO TOWNSITE SURVEY, IN SECTIONS 25 AND 26, TOWNSHIP 33 SOUTH, RANGE 23 EAST, S1M, AND RUNNING THENCE NORTH 214.5 FEET, THENCE EAST 214.5 FEET, THENCE SOUTH 214.5 FEET, THENCE WEST 214.5 FEET TO THE POINT OF BEGINNING.
THIS SURVEY AND LEGAL DESCRIPTION ARE NOT THE SAME AS THAT DESCRIBED IN FIRST TITLE INSURANCE COMPANY COMMITMENT NUMBER: 1116928, DATED: MARCH 10, 2022

SCHEDULE "B" ITEMS

NOTES CORRESPONDING TO SCHEDULE "B" SECTION TWO EXCEPTIONS:

- 9 - SUBJECT TO REDD-PALMER SUBDIVISION (DOES AFFECT, NO EASEMENTS OR SETBACKS TO PLOT)



NORTH ARROW / SCALE

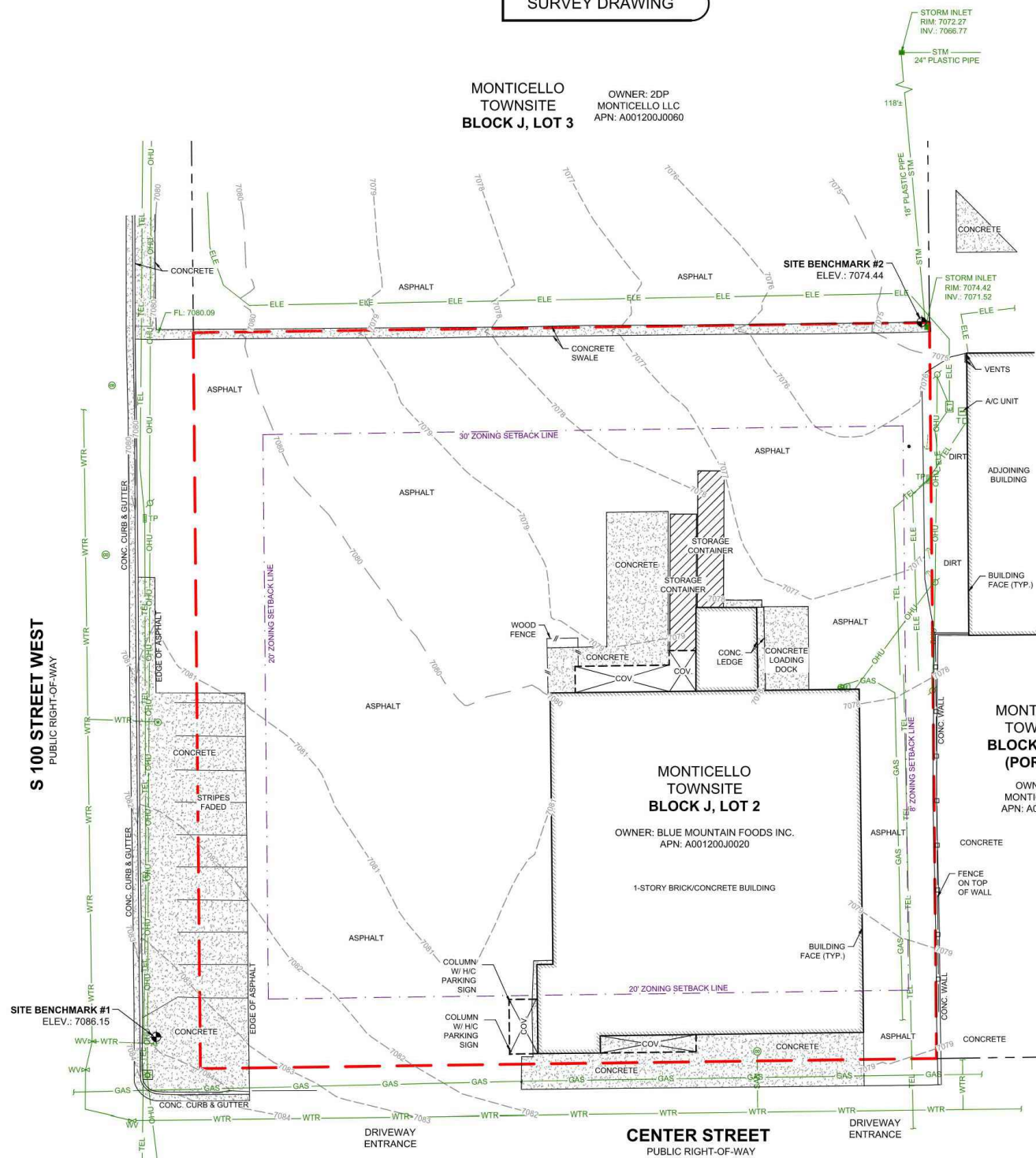
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NOT TO SCALE

LEGEND

- WV = WATER VALVE
- LP = LIGHT POLE
- FH = FIRE HYDRANT
- WM = WATER MANHOLE
- G = GAS METER
- CO = CLEAN OUT
- EM = ELECTRIC METER
- GA = GUY ANCHOR
- UP = UTILITY POLE
- TP = TELEPHONE PEDESTAL
- B = BOLLARD
- TELEPHONE BOX
- ELECTRIC TRANSFORMER
- ELECTRIC BOX
- SIGN
- CONCRETE
- NO PARKING AREA
- SITE BENCHMARK (SEE NOTE NO. 6)
- ADJOINING PROPERTY
- APPRX. BOUNDARY LOCATION
- EASEMENT LINE
- ZONING SETBACK LINE
- UNDERGROUND GAS
- UNDERGROUND WATER
- UNDERGROUND TELEPHONE
- UNDERGROUND ELECTRIC
- OVERHEAD UTILITY
- UNDERGROUND SANITARY
- UNDERGROUND STORM
- TYP. = TYPICAL
- COV. = COVERED AREA
- HIC = HANDICAPPED
- GAS
- WTR
- TEL
- ELE
- OHU
- SAN
- STM

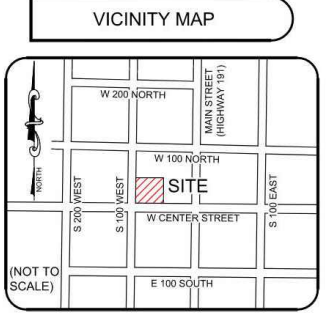
MONTICELLO TOWNSITE
BLOCK J, LOT 3

OWNER: ZDP
MONTICELLO LLC
APN: A001200J0060



SURVEYOR NOTES

- THIS IS A TOPOGRAPHIC MAP. THIS IS NOT A BOUNDARY SURVEY AND IS ONLY INTENDED TO DEPICT THOSE TOPOGRAPHIC FEATURES OR IMPROVEMENTS SHOWN. THE PROPERTY LINES SHOWN ARE RECORD LINES ONLY AND ARE SHOWN FOR GRAPHICAL REFERENCE ONLY.
 - THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON MARKINGS CREATED BY G.P.R.S. (GROUND PENETRATING RADAR SYSTEMS, LLC, PHONE #888-914-4718) ON JUNE 15, 2023, AND OBSERVED ABOVE GROUND FEATURES AND/OR EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ALL UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING ANY ONSITE WORK.
 - FEDERAL EMERGENCY MANAGEMENT AGENCY, FEMA FIRMETTE FLOOD INSURANCE RATE MAP NUMBER 490212 EFFECTIVE DATE DECEMBER 24, 1976 INDICATES THIS PARCEL OF LAND IS LOCATED IN ZONE "D" (AREAS WITH POSSIBLE BUT UNDETERMINED FLOOD HAZARDS. NO FLOOD HAZARD ANALYSIS HAS BEEN CONDUCTED. FLOOD INSURANCE RATES ARE COMMENSURATE WITH THE UNCERTAINTY OF THE FLOOD RISK).
 - THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY FA COMMERCIAL DUE DILIGENCE SERVICES TO DETERMINE OWNERSHIP OR EASEMENTS OF RECORD. FOR ALL INFORMATION REGARDING EASEMENTS, RIGHTS OF WAY AND TITLE OF RECORD, CDS RELIED UPON A SEARCH REPORT, PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NUMBER: 1116928, COMMITMENT DATE: MARCH 10, 2022.
 - ELEVATIONS ARE BASED ON TRIMBLE RTX NETWORK (NAVD 88 DATUM).
 - SITE BENCHMARK #1: BOLT ON FIRE HYDRANT CLOSEST TO LETTER "O" IN THE WORD "OPEN". ELEVATION: 7086.15 FEET. SITE BENCHMARK #2: CUT SQUARE AT NORTHWESTERLY CORNER OF CONCRETE FOR STORM INLET, AT EASTERLY END OF CONCRETE SWALE. ELEVATION: 7074.44
 - FIELD WORK FOR THIS SURVEY WAS COMPLETED ON 06/22/2023.
 - THE OWNER NAMES AND TAX PARCEL DATA SHOWN HEREON ARE BASED UPON THE PUBLIC WORKS RECORDS AVAILABLE AT THE ORIGINAL DATE OF THIS SURVEY. CURRENT OWNERSHIP AND TAX PARCEL DATA SHOULD BE VERIFIED FOR ACCURACY.
 - PER THE ZONING INFORMATION REPORT PREPARED BY FA-CDS (888) 322-7371 - CDS.SOLUTIONS@FIRSTAM.COM, ORDER NO.: 22-03-0075, DATED: 03/09/2022, THIS SITE IS ZONED: C-1, COMMERCIAL DISTRICT.
- REQUIREMENTS:
MINIMUM FRONT SETBACK: 20'
MINIMUM SIDE SETBACK: INTERIOR - 8'; CORNER LOT - 20' WHEN ABUTTING STREET
MINIMUM REAR SETBACK: INTERIOR - 30'; CORNER LOT - 30'
MAXIMUM HEIGHT: NO REQUIREMENT NOTED
MINIMUM AREA: NO REQUIREMENT
MINIMUM LOT WIDTH: NO REQUIREMENT
MINIMUM LOT DEPTH: NO REQUIREMENT NOTED
MAX. FLOOR AREA RATIO: NO REQUIREMENT NOTED
MAXIMUM COVERAGE: NO REQUIREMENT NOTED
MINIMUM PARKING: NO PARKING REQUIREMENT



SURVEYOR CERTIFICATION

ON THE BASIS OF MY KNOWLEDGE, INFORMATION AND BELIEF, I HEREBY STATE AND DECLARE THAT THIS DRAWING WAS PREPARED UNDER MY DIRECT SUPERVISION TO THE STANDARD OF CARE OF SURVEYORS PRACTICING IN THE STATE OF UTAH AND THAT THE INFORMATION SHOWN HEREON IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE OF PLAT OR MAP: 06/26/2023

DARYN BERNARD
STATE OF UTAH PROFESSIONAL LAND SURVEYOR NO. 9151254-2201
EXPIRES MARCH 31, 2025

Limited Topographic Survey
This Work Coordinated By:

CDS
COMMERCIAL
DUE DILIGENCE SERVICES
3550 W. Robinson Street, Third Floor
Norman, Oklahoma 73072
Main Office Phone No.: 405-253-2444
Toll Free: 888.457.7878

| | |
|------------------------------|--------------|
| Drawn By: CZM | Date: -- |
| Surveyor Ref. No: 23-06-0033 | Revision: -- |
| Approved By: DMB | Date: -- |
| Field Date: 06/22/2023 | Revision: -- |
| Scale: 1" = 20' | Date: -- |
| | Revision: -- |

Prepared For:

PROJECT ADDRESS
64 W Center Street
Monticello, Utah 84535

Project Name:
RA Center St-Monticello UT Resurvey
CDS Project Number:
23-06-0033

Technical Specifications



Rivian Adventure Network 1.5 CCS Dispenser

| Overview | | |
|------------------------|--|------------------------------------------------|
| Max Output Power | | 300 kW DC |
| Max Output Current | | 500 A DC (continuous) |
| Output Voltage Range | | 200-920 V DC |
| Connector Type | | CCS1 |
| Dimensions | | exp 2,267 H x 595 D x 390 W mm |
| Weight | | exp 180 kg |
| Enclosure Rating | | exp 3R |
| Certification | | exp ETL |
| Accessibility | | ADA Compliant |
| Payment | | NFC Contactless Credit Card Reader |
| Language | | English, Spanish |
| Connectivity | | |
| Local Area Network | | 100BASE-T ethernet |
| Wide Area Network | | 4G LTE |
| Vehicle Communications | | DIN 70121, ISO 15118 |
| Backend Communication | | exp OCPP 2.0.1 |
| Compliance | | exp UL 2202 / CSA C22.2 No. 107.1, FCC Part 15 |
| Software | | Over-the-air firmware updates |
| Environmental | | |
| Operational Altitude | | exp 7000ft |
| Operating Temperature | | exp -20°C to 40°C |
| Storage Temperature | | exp -35°C to 70°C |
| Operating Humidity | | exp 0-100% |

RAN 1.5 CCS Dispenser Product is under development. Specification can change without prior notice

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Technical Specifications

3 Channel DC Power Cabinet

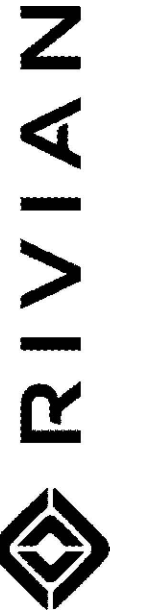


| Power Module | | |
|-------------------------------------|--|--------------------------------------|
| Max Output Power | | 50kW |
| Max Output Current | | 125A |
| Power Factor | | 0.99 |
| Cooling Method | | Liquid |
| Cabinet | | |
| AC Input Voltage | | 480Y/277 VAC (60Hz) |
| AC Input Connection | | 3-phase L1, L2, L3, GND (no neutral) |
| Full Load AC Amps | | 448 A |
| Short Circuit Rating | | 100 kA |
| Max Output Power | | 300 kW DC |
| Output Voltage | | 200-920 V DC |
| Total Output Current | | 750 A DC (continuous) |
| Max Output Current per Channel * | | 500 A DC (continuous) |
| Number of DC Output Channels | | 3 |
| Number of DC Dispensers Served | | Up to 3 |
| Number of Power Modules per Cabinet | | 6 |
| Dimensions | | 2,362 H x 1,219 D x 1,118 W mm |
| Weight | | 1,200 kg |
| Enclosure Rating | | 3R |

* The 3 Channel DC Power Cabinet can be installed with either Adventure Network Dispenser or Fleet Dispenser. Max output current per channel is determined by the paired dispenser's rated current.

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| REV | DATE | DESCRIPTION |
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FOR REFERENCE ONLY

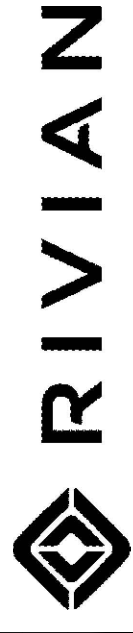
DCFC ADVENTURE NETWORK
64 W. CENTER STREET
MONTICELLO, UT 84535
RIVIAN ADVENTURE NETWORK SPECIFICATION

| PROJECT MANAGER | DESIGNER |
|-----------------|----------|
| IM | JVT |

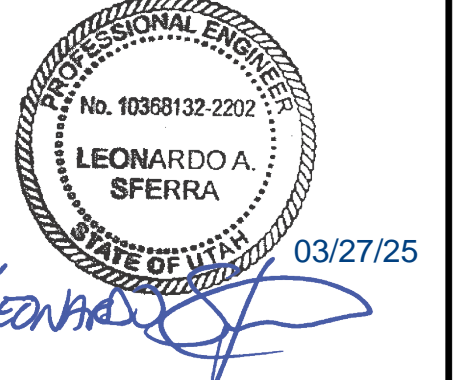
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C-002

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| <p>DEFINITIONS FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:</p> <p>OWNER: RIVIAN PROPERTY OWNER: BLUE MOUNTAIN FOODS INC.</p> <p>GENERAL CONSTRUCTION NOTES</p> <p>1. THE TOPOGRAPHIC SURVEY BY OTHERS SHALL BE REFERENCED WITH THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING PROPOSED IMPROVEMENTS PER THESE PLANS.</p> <p>2. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLAN ARE BASED ON FIELD SURVEYS. DUE TO THE LIMITATIONS IN TECHNOLOGY AND GROUND CONDITIONS, NOT ALL UNDERGROUND UTILITIES ARE ABLE TO BE LOCATED. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.</p> <p>3. ALL PROPERTY LINES, RIGHT OF WAYS, CENTERLINES, DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON A TOPOGRAPHIC SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.</p> <p>4. PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE DESIGN PROFESSIONAL IN CHARGE FOR THE OWNER OF ANY DISCREPANCIES. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED AT THE CONTRACTOR'S SOLE EXPENSE.</p> <p>5. CONTRACTOR INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE OWNER FOR APPROVAL BEFORE MAKING ANY CHANGES. DEVIATION FROM PLANS BEFORE WRITTEN APPROVAL FROM OWNER PLACES LIABILITY ON THE CONTRACTOR.</p> <p>6. UNLESS OTHERWISE NOTED, ALL SURFACES SHALL BE PATCHED AND PAINTED AROUND THE PROPOSED IMPROVEMENTS TO MATCH EXISTING FINISHES.</p> <p>7. APPROVALS FROM BUILDING INSPECTORS SHALL NOT CONSTITUTE AUTHORITY TO DEVIATE FROM THE DRAWINGS.</p> <p>8. THE GENERAL CONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE ARRANGEMENTS FOR THE PROPOSED SCOPE OF WORK. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD DOCUMENTS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.</p> <p>9. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL 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 WORK.</p> <p>10. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND FEDERAL, STATE AND LOCAL JURISDICTION CODES, ORDINANCES AND APPLICABLE REGULATIONS.</p> <p>11. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.</p> <p>12. 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 CONTRACTOR 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 JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.</p> <p>13. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.</p> <p>14. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE OWNER PRIOR TO PROCEEDING.</p> <p>15. THE GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.</p> <p>16. CONSTRUCTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE.</p> <p>17. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.</p> <p>18. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE PROPERTY OWNER.</p> <p>19. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.</p> <p>20. THE GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND CONTRACTORS TO THE SITE AND/OR BUILDING.</p> <p>21. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION. PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. GRAFFITI ON TEMPORARY FENCING SHALL BE PAINTED OVER WITHIN ONE DAY OF DISCOVERY. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.</p> <p>22. THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.</p> <p>23. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. THE CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.</p> | <p>24. ONLY ITEMS SPECIFICALLY CALLED OUT TO BE REMOVED OR DEMOLISHED SHALL BE AFFECTED, ANY ITEMS INCLUDING, BUT NOT LIMITED TO, CURBS, PAVEMENT, UTILITY ITEMS, LANDSCAPING, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO REPAIR OR REPLACE ANY AFFECTED ITEMS AT OWNERS DISCRETION.</p> <p>25. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.</p> <p>26. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.</p> <p>27. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE EPA AND FEDERAL, STATE, LOCAL JURISDICTIONS FOR EROSION AND SEDIMENT CONTROL. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE DRAINED AT ALL TIMES.</p> <p>28. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.</p> <p>29. THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 98 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT, SIDEWALKS, STRUCTURES AND OPEN SPACES. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.</p> <p>30. ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER. OTHER UNSUITABLE MATERIAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE. THE SUBGRADE SHALL BE ROLLED WITH A 1-TON, VIBRATORY, WALK-BEHIND ROLLER AT A SPEED OF LESS THAN 2 FPS, 6 PASSES MINIMUM, TO PROVIDE UNYIELDING SURFACE.</p> <p>31. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE OWNER AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.</p> <p>32. THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE OWNER UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.</p> <p>33. AT THE END OF EACH WORK DAY AND FINAL TURNOVER TO OWNER, THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS IN A LAWFUL MANNER AND LEAVE PREMISES IN A CLEAN CONDITION. CONTRACTOR SHALL REMOVE ANY METAL SHAVING FROM WORK SITE WHERE OXIDIZED OR CONDUCTIVE SHAVINGS MAY CAUSE RUST, ELECTRICAL SHORT CIRCUITS, OR OTHER DAMAGE.</p> <p>34. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR AND OWNER IMMEDIATELY.</p> <p>35. CONTRACTOR IS RESPONSIBLE FOR CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.</p> <p>36. FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE PERFORMED BY AN INDEPENDENT TESTING LAB. THIS WORK TO BE COORDINATED BY THE CONTRACTOR.</p> <p>37. EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE STAKEHOLDER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.</p> <p>38. GRANULAR BACKFILL: SHALL MEET THE FOLLOWING GRADATION PER THE TABLE BELOW:</p> <table border="1"> <thead> <tr> <th>SIEVE SIZE</th> <th>TOTAL PERCENT PASSING</th> </tr> </thead> <tbody> <tr> <td>1-1/2" (37.50 MM)</td> <td>100</td> </tr> <tr> <td>1" (25.00 MM)</td> <td>75 TO 100</td> </tr> <tr> <td>3/4" (19.00 MM)</td> <td>80 TO 100</td> </tr> <tr> <td>3/8" (9.50 MM)</td> <td>35 TO 75</td> </tr> <tr> <td>No. 4 (4.75 MM)</td> <td>30 TO 60</td> </tr> <tr> <td>No. 30 (0.60 MM)</td> <td>7 TO 30</td> </tr> <tr> <td>No. 200 (0.75 MM)</td> <td>3 TO 15</td> </tr> </tbody> </table> <p>39. GRANULAR BEDDING AND TRENCH BACKFILL: WELL-GRADED SAND MEETING THE GRADATION REQUIREMENTS OF ASTM D2487 (SW-SM).</p> <p>40. UNSUITABLE MATERIAL: HIGH AND MODERATELY PLASTIC SILTS AND CLAYS (LL>45), MATERIAL CONTAINING REFUSE, FROZEN LUMPS, DEMOLISHED BITUMINOUS MATERIAL, VEGETATIVE MATTER, WOOD, STONES IN EXCESS OF 3 INCHES IN ANY DIMENSION, AND DEBRIS AS DETERMINED BY THE CONSTRUCTION MANAGER. TYPICAL THESE WILL BE SOILS CLASSIFIED BY ASTM AS PT, MH, CH, OH, ML, AND OL.</p> <p>41. REMOVE TOPSOIL MATERIAL COMPLETELY FROM THE SURFACE UNTIL THE SOIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER UNDESIRABLE MATERIALS.</p> <p>42. NO STRUCTURAL ELEMENTS ARE TO BE CUT UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE ENGINEER.</p> | SIEVE SIZE | TOTAL PERCENT PASSING | 1-1/2" (37.50 MM) | 100 | 1" (25.00 MM) | 75 TO 100 | 3/4" (19.00 MM) | 80 TO 100 | 3/8" (9.50 MM) | 35 TO 75 | No. 4 (4.75 MM) | 30 TO 60 | No. 30 (0.60 MM) | 7 TO 30 | No. 200 (0.75 MM) | 3 TO 15 | <p>GENERAL FOUNDATION NOTES</p> <p>1. THE CONTRACTOR SHALL RETAIN AN OWNER APPROVED AND QUALIFIED SOILS ENGINEER REGISTERED WITHIN THE STATE TO MAKE GEOTECHNICAL RECOMMENDATIONS BASED ON FIELD CONDITIONS, AND ENSURE THAT ALL SHORING AND DEWATERING MEANS AND METHODS WILL NOT COMPROMISE THE STABILITY OF EXISTING OR PROPOSED FOOTINGS/FOUNDATIONS. THE OWNER SHALL RECEIVE COMPACTION REPORTS PREPARED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH BY SAID GEOTECHNICAL ENGINEER. NOTIFY PROJECT CONSTRUCTION MANAGER IF ANY UNSUITABLE SOILS ARE FOUND.</p> <p>2. AT A MINIMUM ALL FILLED AND SUBGRADE AREAS SHALL BE COMPACTED TO 98% OF STANDARD PROCTOR MAXIMUM DRY DENSITY PER A.S.T.M TEST D-698. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 2% BELOW OPTIMUM.</p> <p>3. UNDERCUT SOFT OR "ELASTIC DEFLECTION" AREAS A MINIMUM OF 12 INCHES DEEP. BACKFILL UNDERCUT AREA WITH FILL MEETING THE SPECIFICATIONS OF STRUCTURAL FILL.</p> <p>4. DETERMINATION OF FINAL BEARING ELEVATIONS, TOPSOIL AND EXCAVATION STRIPPING DEPTH, INSPECTION OF ALL SUBSOIL EXPOSED DURING STRIPPING, SITE GRADING, EXCAVATION OPERATIONS, APPROVAL OF FILL MATERIALS, DENSITY TESTING OF FILLS TO ENSURE PLACEMENT PER SPECIFICATION REQUIREMENTS, INSPECTION OF FOUNDATION BEARING SURFACES, AND VERIFICATION OF ALLOWABLE BEARING PRESSURES ARE THE TESTING LABORATORY'S RESPONSIBILITY.</p> <p>5. ALL FOUNDATIONS ARE TO REST ON FIRM UNDISTURBED SOIL OR COMPACTED FILL FREE FROM ORGANIC MATTER. IF POOR SOIL CONDITIONS ARE ENCOUNTERED AT FOUNDATION DEPTHS SHOWN, NOTIFY OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH CONSTRUCTION.</p> <p>6. CONTRACTOR SHALL COMPACT SUBGRADE. SEE FROST/NO FROST DESIGN NOTES THIS SHEET.</p> <p>7. FOUNDATIONS HAVE BEEN DESIGNED BASED ON AN ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 1500 PSF UNLESS NOTED OTHERWISE.</p> <p>8. NEW FOOTINGS PLACED ADJACENT TO EXISTING FOOTINGS SHALL BEAR AT THE SAME ELEVATION, UNLESS NOTED OTHERWISE.</p> <p>9. STEP FOOTINGS AT A RATIO OF ONE (1) VERTICAL TO TWO (2) HORIZONTAL WITH A MAXIMUM VERTICAL SLIP OF 2'-0" UNLESS NOTED OTHERWISE.</p> <p>10. INUNDATION AND LONG TERM EXPOSURE OF BEARING SURFACES, WHICH WILL RESULT IN DETERIORATION OF BEARING FORMATIONS, SHALL BE PREVENTED. FOOTINGS SHALL BE PLACED IMMEDIATELY FOLLOWING FOOTING EXCAVATIONS AND BEARING SURFACE INSPECTION.</p> <p>11. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.</p> <p>12. GROUNDWATER ASSUMED TO BE BELOW EXCAVATION DEPTH. IF GROUNDWATER IS ENCOUNTERED DURING EXCAVATION ON SITE, CONTRACTOR SHALL PROVIDE FOR ANY SITE DRAINAGE AND DE-WATERING REQUIRED.</p> <p>13. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING PUBLIC AND PRIVATE UTILITIES PRIOR TO EXCAVATION. IF NECESSARY, UTILITIES SHALL BE RELOCATED PRIOR TO FOUNDATION INSTALLATION.</p> | <p>CONCRETE</p> <p>1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301-16, "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE" AND ACI 302, 305 AND 306 UNLESS NOTED OTHERWISE.</p> <p>2. ALL DETAILING, FABRICATION AND PLACING OF CONCRETE SHALL CONFORM TO ACI 318-19, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ACI 302 "MANUAL OF STANDARD PRACTICE FOR DETAIL REINFORCED CONCRETE STRUCTURES" UNLESS NOTED OTHERWISE.</p> <p>3. SAFETY AND PERFORMANCE OF THE STRUCTURE ARE THE RESPONSIBILITY OF THE CONTRACTOR INSOFAR AS THEY ARE AFFECTED BY THE LOCATION AND DETAILS OF CONSTRUCTION JOINTS. SHOP DRAWINGS OF THE PROPOSED CONSTRUCTION JOINT LOCATIONS AND DETAILS ARE TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL.</p> <p>4. MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR 1/3 CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING. MAXIMUM SIZE MAY BE INCREASED TO 2/3 CLEAR DISTANCE PROVIDED WORKABILITY AND METHODS OF CONSOLIDATION SUCH AS VIBRATING WILL PREVENT HONEYCOMBS OR VOIDS.</p> <p>5. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS: ALL CONCRETE - 4500 PSI. ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN 6% (± 1%) AIR ENTRAINMENT.</p> <p>6. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.</p> <p>7. WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A1064 AND BE FURNISHED IN FLAT SHEETS AND INSTALLED ON CHAIRS OR PRECAST CONCRETE BLOCKS.</p> <p>8. NO TACK WELDING OF REINFORCING IN THE FIELD IS PERMITTED.</p> <p>9. PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTION.</p> <p>10. PROVIDE STRAIGHT AND DIAGONAL BARS AT EDGES OF ALL OPENINGS.</p> <p>REINFORCING EMBEDMENT AND LAP SPLICES (INCHES) FOR 4500 PSI CONCRETE.</p> <table border="1"> <thead> <tr> <th rowspan="2">BAR SIZE</th> <th colspan="2">OTHER</th> <th colspan="2">TOP*</th> </tr> <tr> <th>ANCHORAGE</th> <th>SPLICE</th> <th>ANCHORAGE</th> <th>SPLICE</th> </tr> </thead> <tbody> <tr> <td>#3</td> <td>15</td> <td>19</td> <td>19</td> <td>24</td> </tr> <tr> <td>#4</td> <td>19</td> <td>25</td> <td>25</td> <td>33</td> </tr> <tr> <td>#5</td> <td>24</td> <td>31</td> <td>31</td> <td>41</td> </tr> <tr> <td>#6</td> <td>29</td> <td>37</td> <td>37</td> <td>49</td> </tr> </tbody> </table> <p>*HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE BELOW BAR</p> <p>11. NON-SHRINK GROUT SHALL MEET A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 6000 PSI.</p> <p>12. ADD 100% TIES FOR REBAR OVERLAY. NO COLD JOINTS SHALL BE PERMITTED DURING CONSTRUCTION.</p> | BAR SIZE | OTHER | | TOP* | | ANCHORAGE | SPLICE | ANCHORAGE | SPLICE | #3 | 15 | 19 | 19 | 24 | #4 | 19 | 25 | 25 | 33 | #5 | 24 | 31 | 31 | 41 | #6 | 29 | 37 | 37 | 49 | <p>LANDSCAPE NOTES</p> <p>1. SOD SHALL BE SELECTED PER ZONE AND MATCHED TO EXISTING SITE. SOD SHALL BE A FIRST GRADE CERTIFIED BLEND CONTAINING NO MORE THAN 30 PERCENT OF OTHER GRASSES AND CLOVERS, AND FREE FROM ALL NOXIOUS WEEDS.</p> <p>ZONES 3, 4 & 5: APPROVED BLUE GRASS BLEND ZONE 6: APPROVED FESCUE BLEND ZONES 7 & 8: APPROVED BERMUDA BLEND ZONES 9 & 10: APPROVED ST AUGUSTINE FLORATAM BLEND</p> <p>2. ALL DISTURBED AND PROPOSED LANDSCAPE PLANTING BED AREAS SHALL MATCH EXISTING CONDITIONS IN TYPE AND DEPTH.</p> <p>3. PLANT GUARANTEE: CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF PROJECT ACCEPTANCE BY THE OWNER.</p> <p>4. IRRIGATION RELOCATION: CONTRACTOR FIELD VERIFY IF EXISTING IRRIGATION IS PRESENT, DETERMINE POINT OF CONNECTION, SYSTEM PRESSURE, FIXTURE TYPES, AND POTENTIAL FOR EXPANSION. IF FOUND THAT THE EXISTING IRRIGATION SYSTEM IS CAPABLE OF EXPANSION AND REUSE THEN IT SHALL BE MODIFIED TO PROVIDE 100% COVERAGE OF THE LANDSCAPE AREA. IF THE EXISTING IRRIGATION SYSTEM IS NOT CAPABLE OF EXPANSION, CONTRACTOR TO INSTALL A NEW CONTROLLER, BOOSTER PUMP, AND OTHER APPURTENANCES NEEDED FOR A COMPLETE IRRIGATION SYSTEM. IRRIGATED AREAS SHALL BE IRRIGATED BY DRIP IRRIGATION OR SIMILAR FIXTURES BY THE SAME SUPPLIER. CONTRACTOR SHALL ENSURE PROPOSED UTILITY EQUIPMENT WILL NOT BE DAMAGED OR STAINED BY IMPROPER IRRIGATION INSTALLATION OR POOR SELECTION OF FIXTURES. SYSTEM SHALL INCLUDE ALL SPRINKLER FIXTURES, DRIP TUBING, PIPING, VALVES, WIRING AND CONTROLS TO PROVIDE A COMPLETE FUNCTIONAL SYSTEM THAT SHALL COMPLY WITH CITY CODE. PRIOR TO UPDATING THE IRRIGATION SYSTEM, A CERTIFIED IRRIGATION DESIGNER SHALL PROVIDE SHOP DRAWINGS TO OWNER FOR APPROVAL. UPON APPROVAL OF SHOP DRAWINGS, THE UPDATED IRRIGATION SYSTEM SHALL BE APPROVED BY OWNER FOR FINAL ACCEPTANCE.</p> |
| SIEVE SIZE | TOTAL PERCENT PASSING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-1/2" (37.50 MM) | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1" (25.00 MM) | 75 TO 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/4" (19.00 MM) | 80 TO 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/8" (9.50 MM) | 35 TO 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. 4 (4.75 MM) | 30 TO 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. 30 (0.60 MM) | 7 TO 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. 200 (0.75 MM) | 3 TO 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BAR SIZE | OTHER | | TOP* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ANCHORAGE | SPLICE | ANCHORAGE | SPLICE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| #3 | 15 | 19 | 19 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| #4 | 19 | 25 | 25 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| #5 | 24 | 31 | 31 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| #6 | 29 | 37 | 37 | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| REV. | DATE | DESCRIPTION |
|------|------------|------------------------|
| A | 02/04/2025 | ISSUED FOR 30% REVIEW |
| B | 02/19/2025 | ISSUED FOR 90% REVIEW |
| C | 03/24/2025 | ISSUED FOR 100% REVIEW |
| D | 03/27/2025 | ISSUED FOR SIGN & SEAL |
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DCFC ADVENTURE NETWORK
64 W. CENTER STREET
MONTICELLO, UT 84535

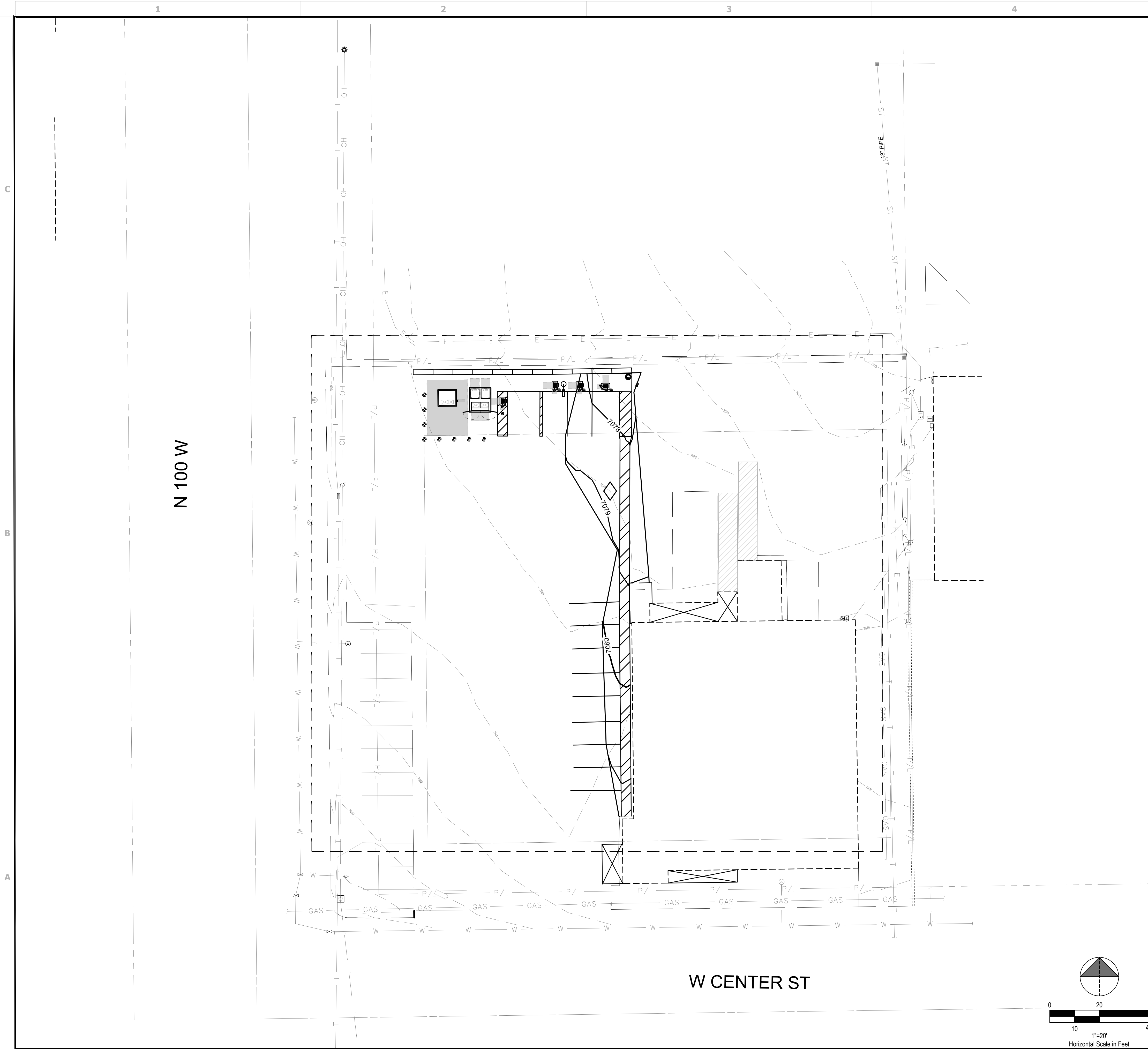
CIVIL CONSTRUCTION NOTES

| | |
|-----------------|----------|
| PROJECT MANAGER | DESIGNER |
| IM | JVT |

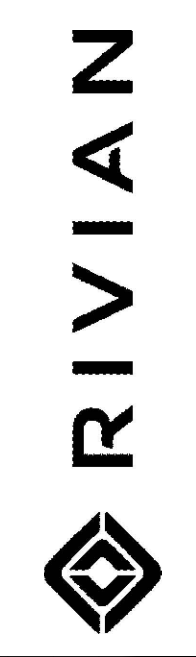
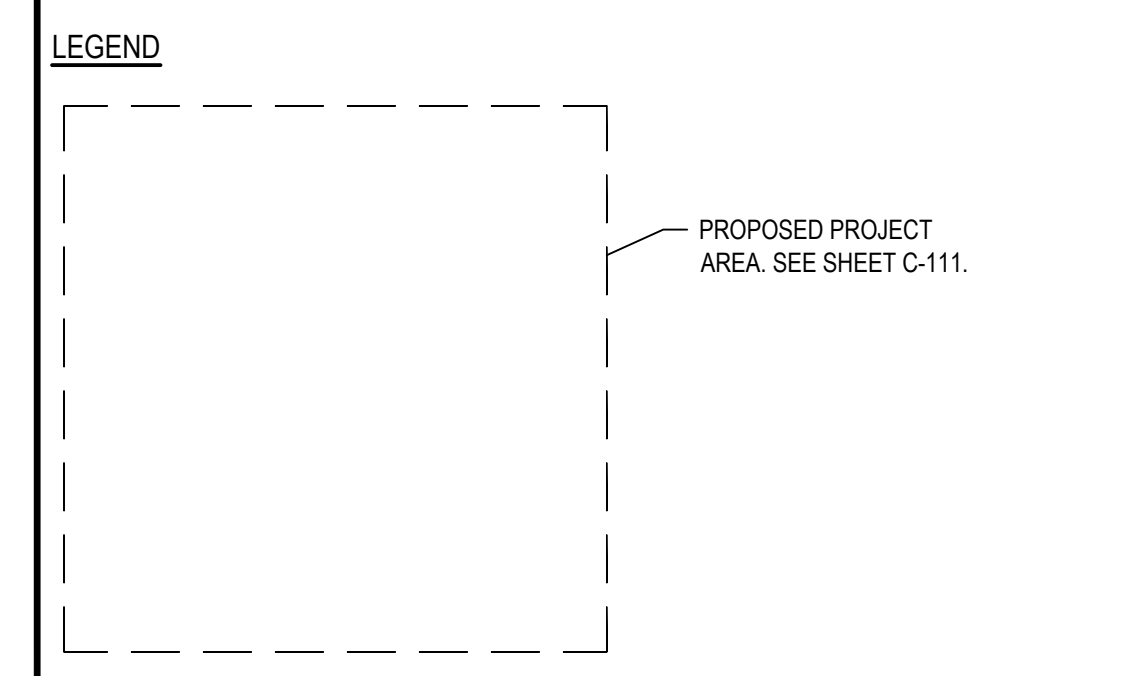
JOB NO.
2023264.17

C-003

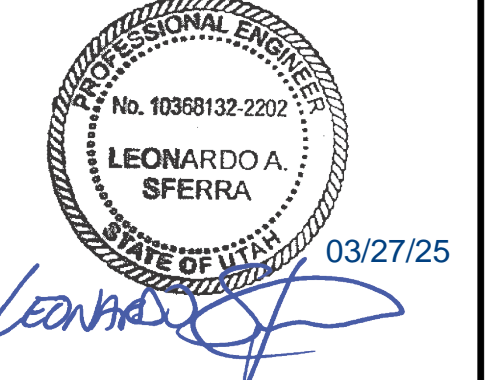
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GENERAL SHEET NOTES
 1. EXISTING PROPERTY LINES, RIGHT-OF-WAY BOUNDARIES, EASEMENT BOUNDARIES, SETBACKS, AND UTILITIES ARE SHOWN FOR REFERENCE ONLY.



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| D | 03/27/2025 | ISSUED FOR SIGN & SEAL |
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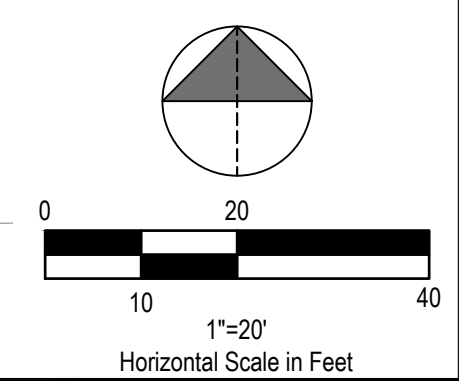
DCFC ADVENTURE NETWORK
 64 W. CENTER STREET
 MONTICELLO, UT 84535

OVERALL SITE PLAN

| PROJECT MANAGER | DESIGNER |
|-----------------|----------|
| IM | JVT |

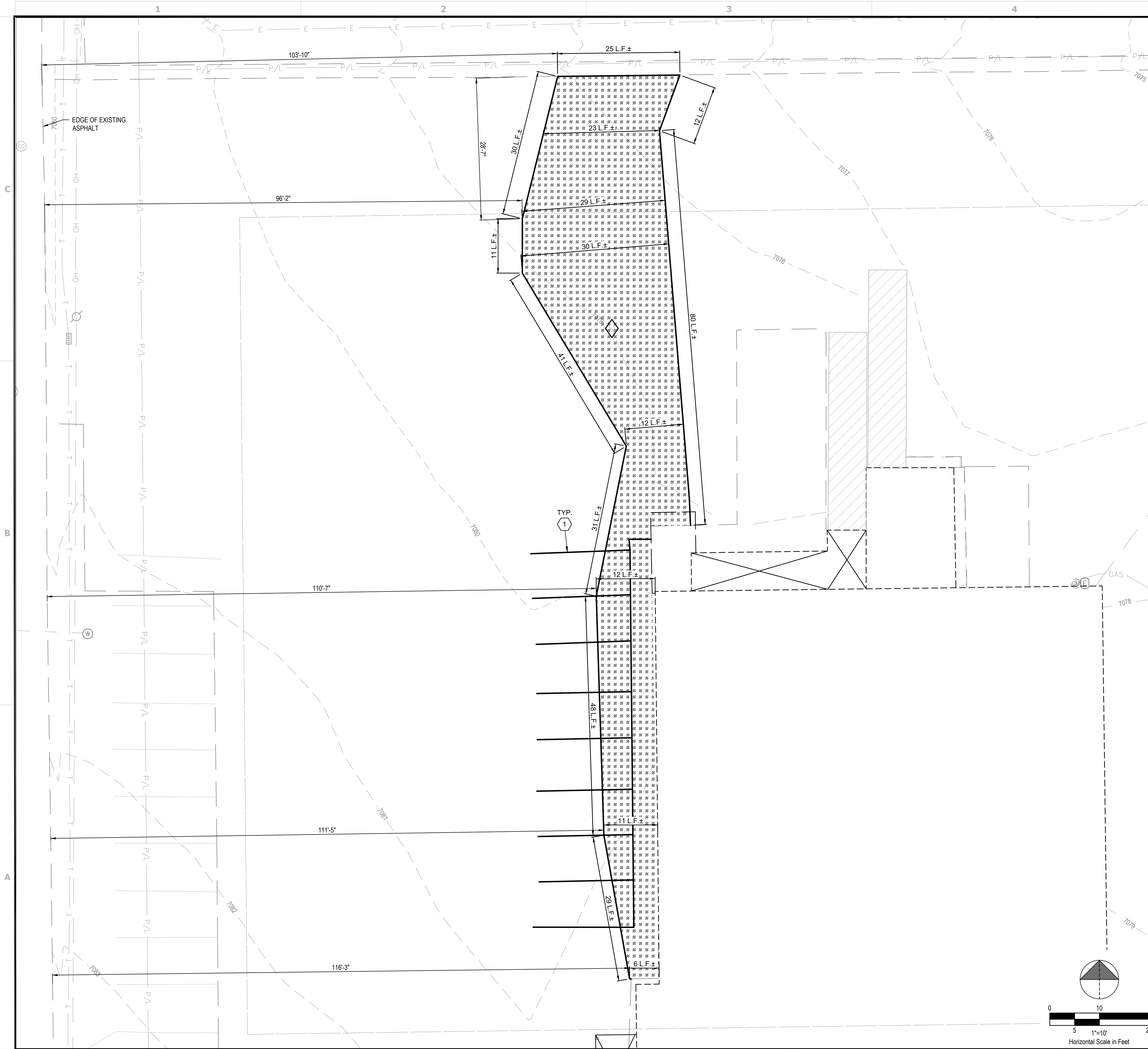
JOB NO.
2023264.17

C-100



W CENTER ST

N 100 W



GENERAL SHEET NOTES

- EXISTING PROPERTY LINES, RIGHT-OF-WAY BOUNDARIES, EASEMENT BOUNDARIES, SETBACKS, AND UTILITIES ARE SHOWN FOR REFERENCE ONLY.
- CONTRACTOR SHALL REMOVE EXISTING PAVEMENT AND/OR CURB USING CLEAN SAWCUTS TO INSTALL PROPOSED UNDERGROUND CONDUITS AND REPLACE PAVEMENT AND/OR CURB AFTER CONDUITS HAVE BEEN INSTALLED. SEE ELECTRICAL SHEETS FOR CONDUIT ROUTING, APPROXIMATE CONDUIT RUN LENGTHS AND TRENCH DETAIL. CONTRACTOR SHALL MEET OR EXCEED EXISTING PAVEMENT SPECIFICATIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.
- APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING, INCLUDING SAW CUT JOINTS.

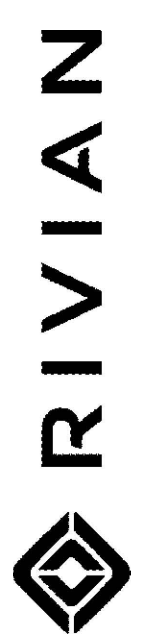
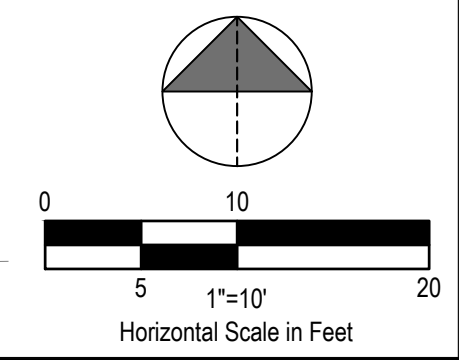
PLAN KEYNOTES

- EXISTING PAVEMENT MARKINGS TO BE REMOVED. CONTRACTOR SHALL REMOVE MARKINGS WITH SMALL HANDHELD GRINDERS, SCARIFIERS, BEAD BLASTING, SAND BLASTING, WATER BLASTING, OR OTHER METHODS (WITH THE APPROVAL OF THE OWNER). TAKE CARE DURING MARKING REMOVAL TO NOT SCAR, DISCOLOR, OR OTHERWISE DAMAGE THE PAVEMENT SURFACE. DO NOT PAINT OVER EXISTING OR USE OTHER METHODS OF COVERING MARKINGS IN LIEU OF REMOVAL. WATER BLASTING METHOD SHALL NOT BE USED DURING FREEZING WEATHER CONDITIONS.

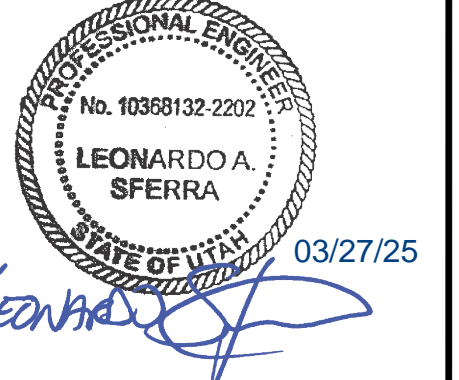
LEGEND

- EXISTING ASPHALT TO BE REMOVED
- TRENCHING NOT INCLUDED
- DENOTES LIMITS OF SAWCUT IN LINEAR FOOT (L.F.)
- DEMOLITION KEYNOTE
- TYP.

DEMOLITION NOTE:
 ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE. OR ARE REQUIRED TO BE MODIFIED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.



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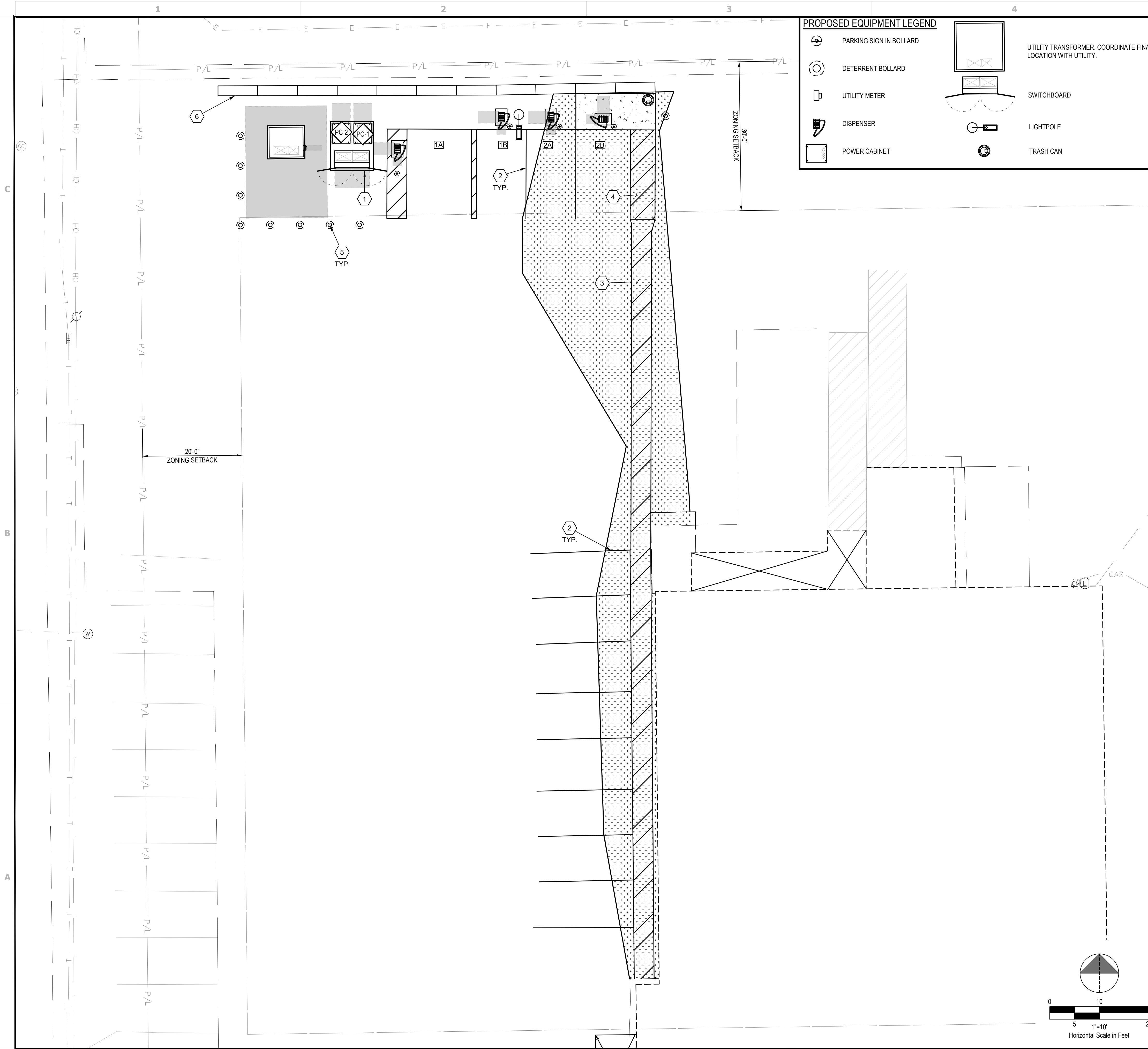
DCFC ADVENTURE NETWORK
 64 W. CENTER STREET
 MONTICELLO, UT 84535

EXISTING CONDITIONS AND DEMOLITION PLAN

| | |
|-----------------|----------|
| PROJECT MANAGER | DESIGNER |
| IM | JVT |

JOB NO.
 2023264.17

C-101



PROPOSED EQUIPMENT LEGEND

- PARKING SIGN IN BOLLARD
- DETERRENT BOLLARD
- UTILITY METER
- DISPENSER
- POWER CABINET
- UTILITY TRANSFORMER. COORDINATE FINAL LOCATION WITH UTILITY.
- SWITCHBOARD
- LIGHTPOLE
- TRASH CAN

- GENERAL SHEET NOTES**
- EXISTING PROPERTY LINES, RIGHT-OF-WAY BOUNDARIES, EASEMENT BOUNDARIES, SETBACKS, AND UTILITIES ARE SHOWN FOR REFERENCE ONLY.
 - THE CONTRACTOR SHALL ENSURE EXISTING CURB AND/OR PAVEMENT IS NOT TO BE DAMAGED ACCESSING WORK AT THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE CURB AND/OR PAVEMENT IF DAMAGED.
 - CONTRACTOR SHALL REMOVE EXISTING PAVEMENT AND/OR CURB USING CLEAN SAWCUTS TO INSTALL PROPOSED UNDERGROUND CONDUITS. AFTER CONDUITS HAVE BEEN INSTALLED, REPLACE PAVEMENT AND/OR CURB, REFER TO SPECIFICATIONS IN THE CIVIL DETAILS.
 - SEE ELECTRICAL SHEETS FOR CONDUIT ROUTING. APPROXIMATE CONDUIT RUN LENGTHS AND TRENCH DETAIL. CONTRACTOR SHALL MEET OR EXCEED EXISTING PAVEMENT SPECIFICATIONS. NOTIFY ENGINEER OR ANY DISCREPANCIES PRIOR TO PERFORMING WORK.
 - APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING, INCLUDING SAWCUT JOINTS.

- PLAN KEYNOTES**
- PROPOSED CONCRETE EQUIPMENT PAD. SEE CIVIL DETAILS.
 - PROPOSED PAINTED 4" WIDE SOLID STRIPE TO MATCH EXISTING STRIPING IN COLOR. SEE PAVEMENT MARKING NOTES ON SHEET C-003.
 - PROPOSED CROSSWALK STRIPING. SEE CIVIL DETAILS. SLOPES WITHIN THE STRIPED AREA SHALL NOT EXCEED 5% RUNNING SLOPES AND 2% CROSS SLOPES.
 - PROPOSED PAINTED TRANSVERSE STRIPING. SEE CIVIL DETAILS.
 - PROPOSED P6 DETERRENT BOLLARD (TYPICAL OF 9). SEE CIVIL DETAILS
 - PROPOSED 8'X2' JERSEY BARRIER.

LEGEND

- PROPOSED EQUIPMENT CLEAR SPACE
- PROPOSED CONCRETE TRENCHING NOT INCLUDED
- PROPOSED ASPHALT PAVEMENT TO MATCH EXISTING IN TYPE & DEPTH. INCLUDE ENGINEERED COMPACTED BACKFILL BELOW PAVEMENT SECTION. TRENCHING NOT INCLUDED.
- CONSTRUCTION KEYNOTE

PARKING SIGN SCHEDULE

| CABINET | POST | SIGN TYPE |
|---------|------|---------------------------------|
| | | DEDICATED PARKING |
| | | DEDICATED PARKING |
| | | DEDICATED PARKING |
| | | ENABLED PARKING, VAN ACCESSIBLE |

RAN SIGNAGE

DEDICATED

VEHICLE CHARGING ONLY

PLEASE MAKE STALL AVAILABLE ONCE VEHICLE IS DONE CHARGING

18"

12"

VAN ACCESSIBLE

VEHICLE CHARGING

PLEASE MAKE STALL AVAILABLE ONCE VEHICLE IS DONE CHARGING

ACCESSIBLE PARKING

ADA PRIORITY USE THIS CHARGER LAST

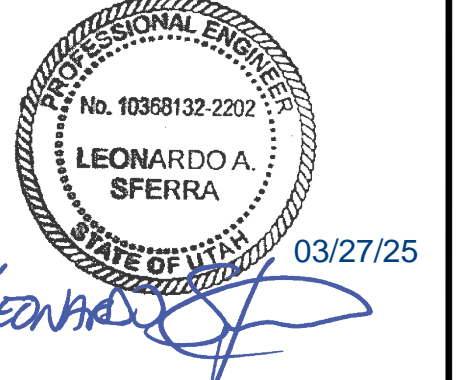
VAN ACCESSIBLE

NOTES:

- ALL SIGN LETTERING MUST BE AT MINIMUM 1".
- DISPENSER SCREENS DISPLAY CONTACT NUMBER FOR EQUIPMENT ISSUES

| PARKING STALL ANALYSIS | |
|------------------------------------------------------|---|
| EXISTING STALLS UTILIZED AS A RESULT OF THIS PROJECT | 0 |
| PROPOSED DCFC STALLS | 4 |
| PROPOSED LEVEL II STALLS | 0 |
| NET STALL COUNT | 0 |

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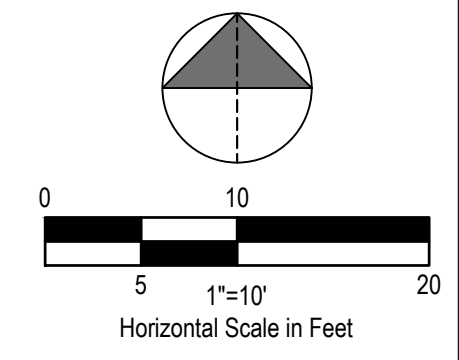
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CIVIL SITE PLAN

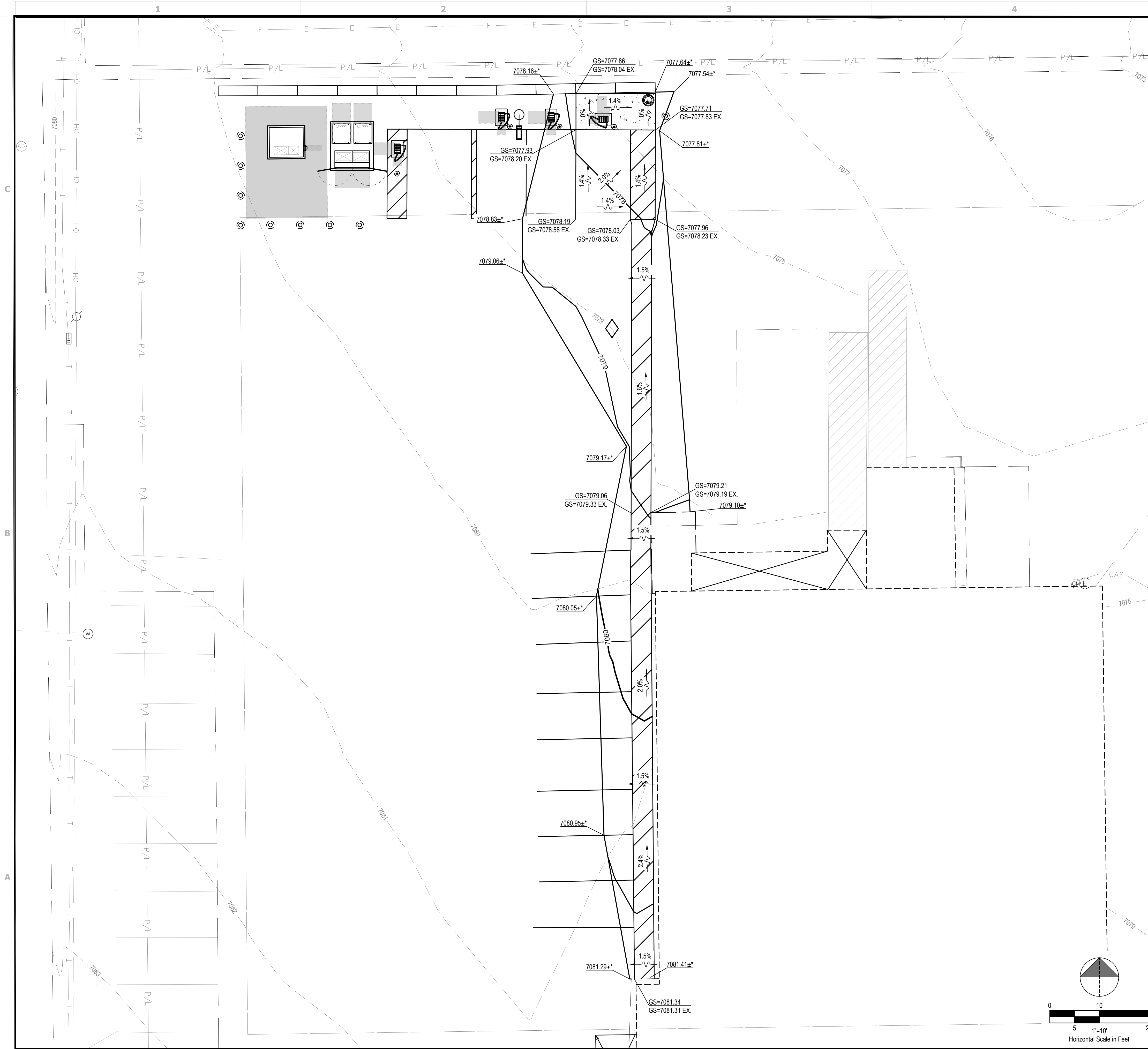
| PROJECT MANAGER | DESIGNER |
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| IM | JVT |

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C-111



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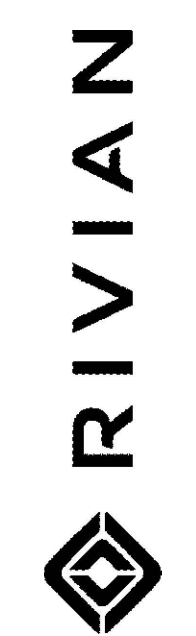


GENERAL SHEET NOTES

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- APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING, INCLUDING SAW CUT JOINTS.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SLOPES AND GRADES PRIOR TO CONSTRUCTION. FINAL GRADES SHALL BE DETERMINED IN FIELD BY THE CONTRACTOR AND APPROVED BY THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE TOWARDS THE NEAREST EXISTING DRAINAGE STRUCTURE AND ENSURE NO PONDING OCCURS ON SITE.
- CONTRACTOR SHALL ENSURE SLOPES OF PARKING STALL 2B AND ADJACENT TRANSVERSE STRIPED AREA(S) ARE COMPLIANT WITH NATIONAL ADA STANDARDS. NO SLOPE SHALL EXCEED 2% IN ANY DIRECTION WITHIN PARKING STALL 2B AND ADJACENT TRANSVERSE STRIPED AREA(S). CONTRACTOR SHALL REMOVE AND REGRADE AREA(S) AS REQUIRED TO ACHIEVE NECESSARY SLOPES. CONTRACTOR SHALL INSTALL FINAL PAVEMENT MARKINGS IN ACCORDANCE WITH THE CURRENT AHJ'S REGULATION.

GRADING LEGEND

- 000.00±' MATCH EXISTING ELEVATION
- X.X% PROPOSED DRAINAGE SLOPE & ARROW
- GS=000.00 PROPOSED GROUND ELEVATION
- GS=000.00 EX. EXISTING GROUND ELEVATION



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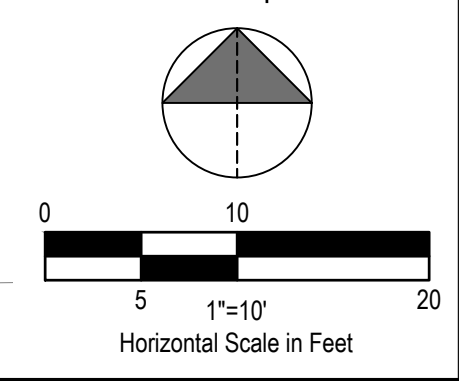
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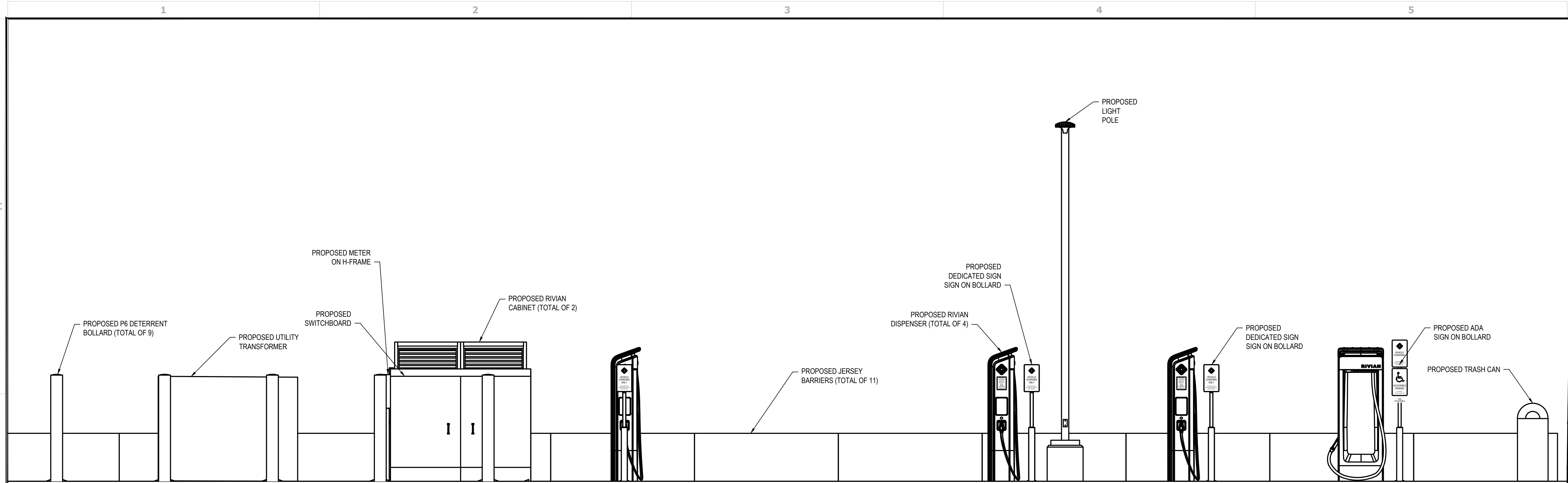
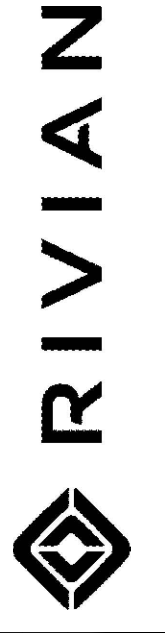
GRADING PLAN

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|-----------------|----------|
| PROJECT MANAGER | DESIGNER |
| IM | JVT |

JOB NO.
2023264.17

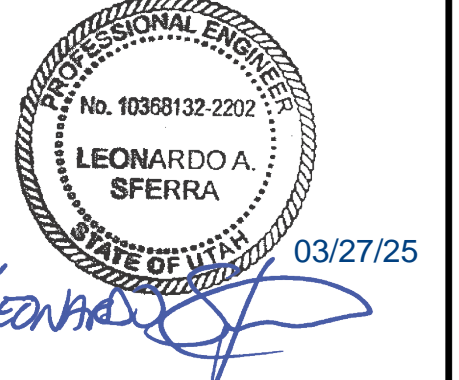
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| REV | DATE | DESCRIPTION |
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B-1 NORTH PROPOSED EQUIPMENT ELEVATION
NTS



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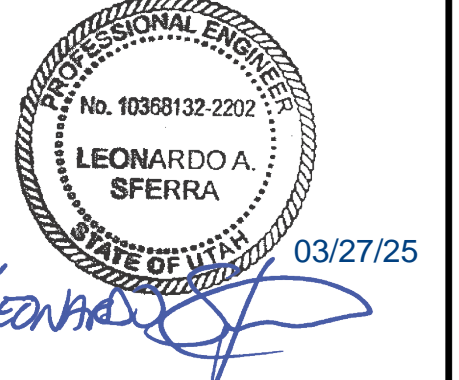
ELEVATION PLAN

| | |
|-----------------|----------|
| PROJECT MANAGER | DESIGNER |
| IM | JVT |

JOB NO.
2023264.17

C-141

| REV. | DATE | DESCRIPTION |
|------|------------|------------------------|
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| C | 03/24/2025 | ISSUED FOR 100% REVIEW |
| D | 03/27/2025 | ISSUED FOR SIGN & SEAL |



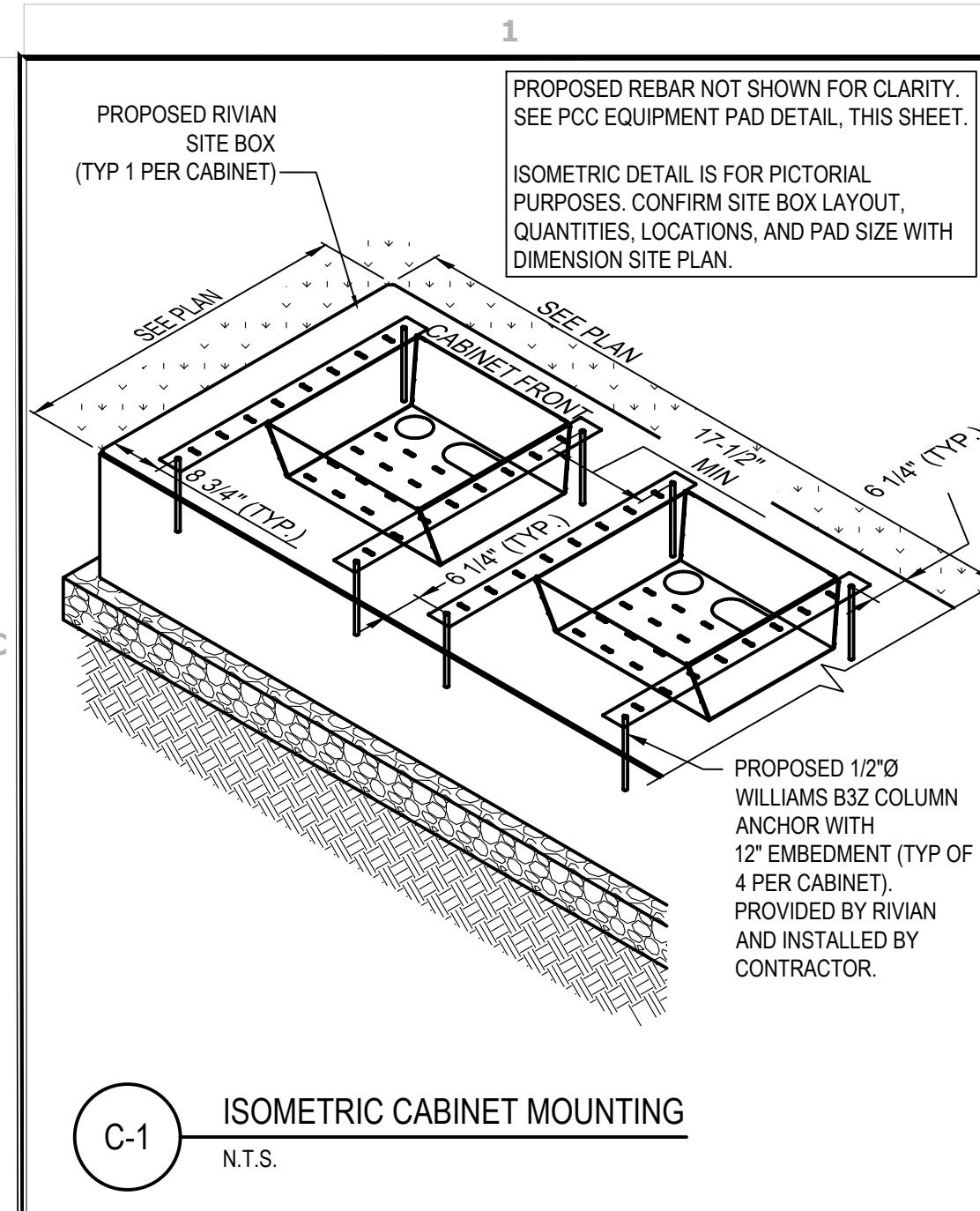
DCFC ADVENTURE NETWORK
64 W. CENTER STREET
MONTICELLO, UT 84535

CIVIL DETAILS

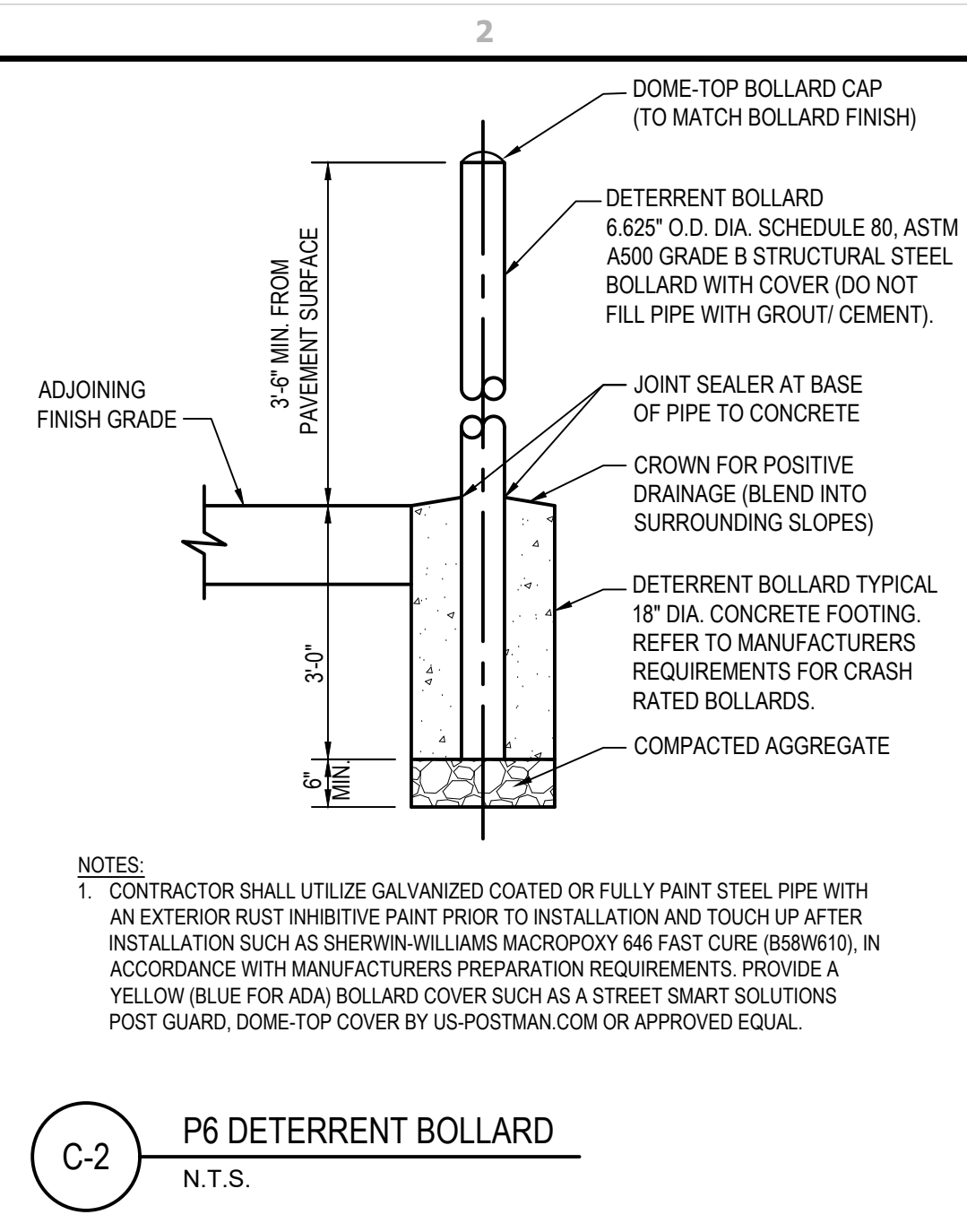
| PROJECT MANAGER | DESIGNER |
|-----------------|----------|
| IM | JVT |

JOB NO.
2023264.17

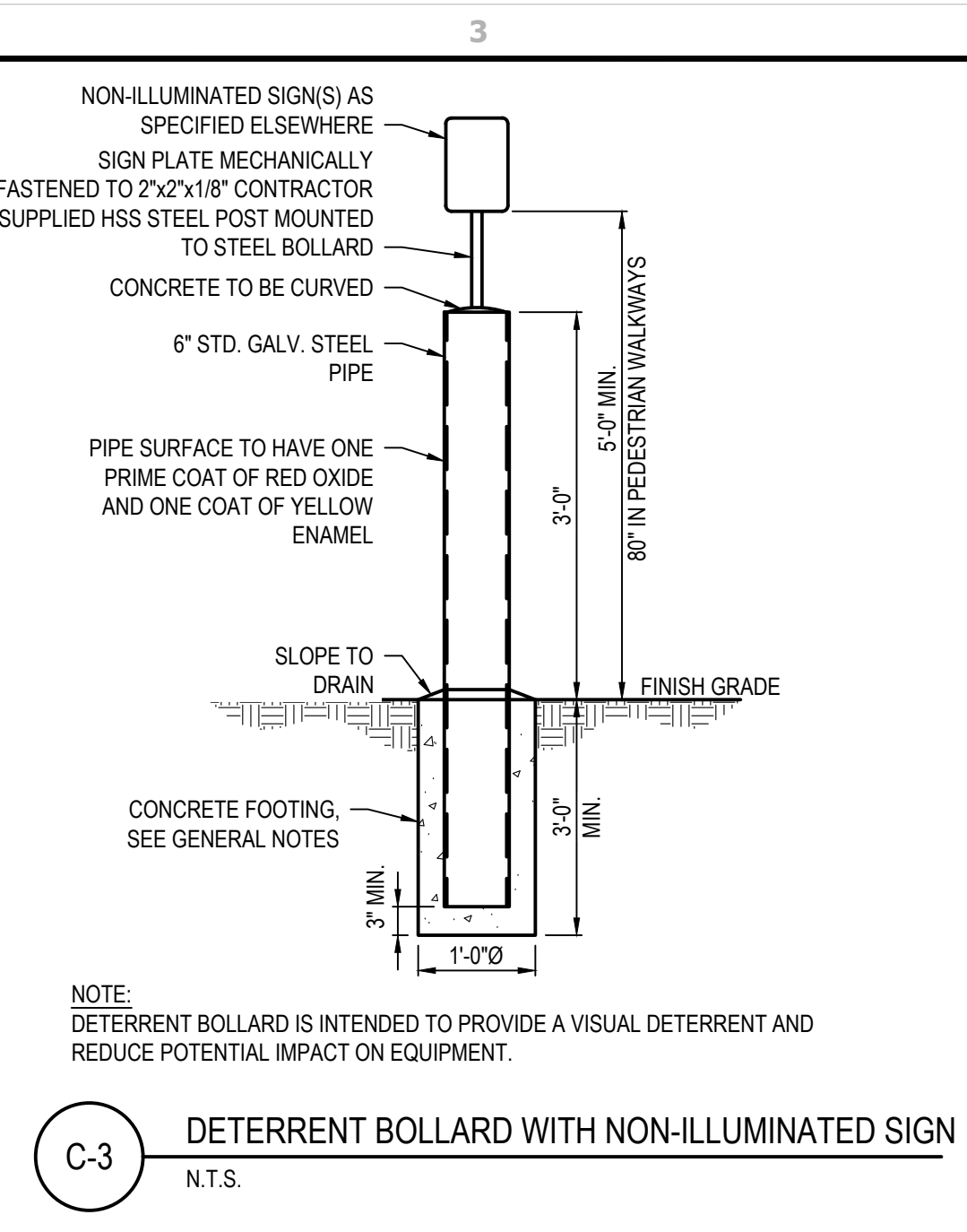
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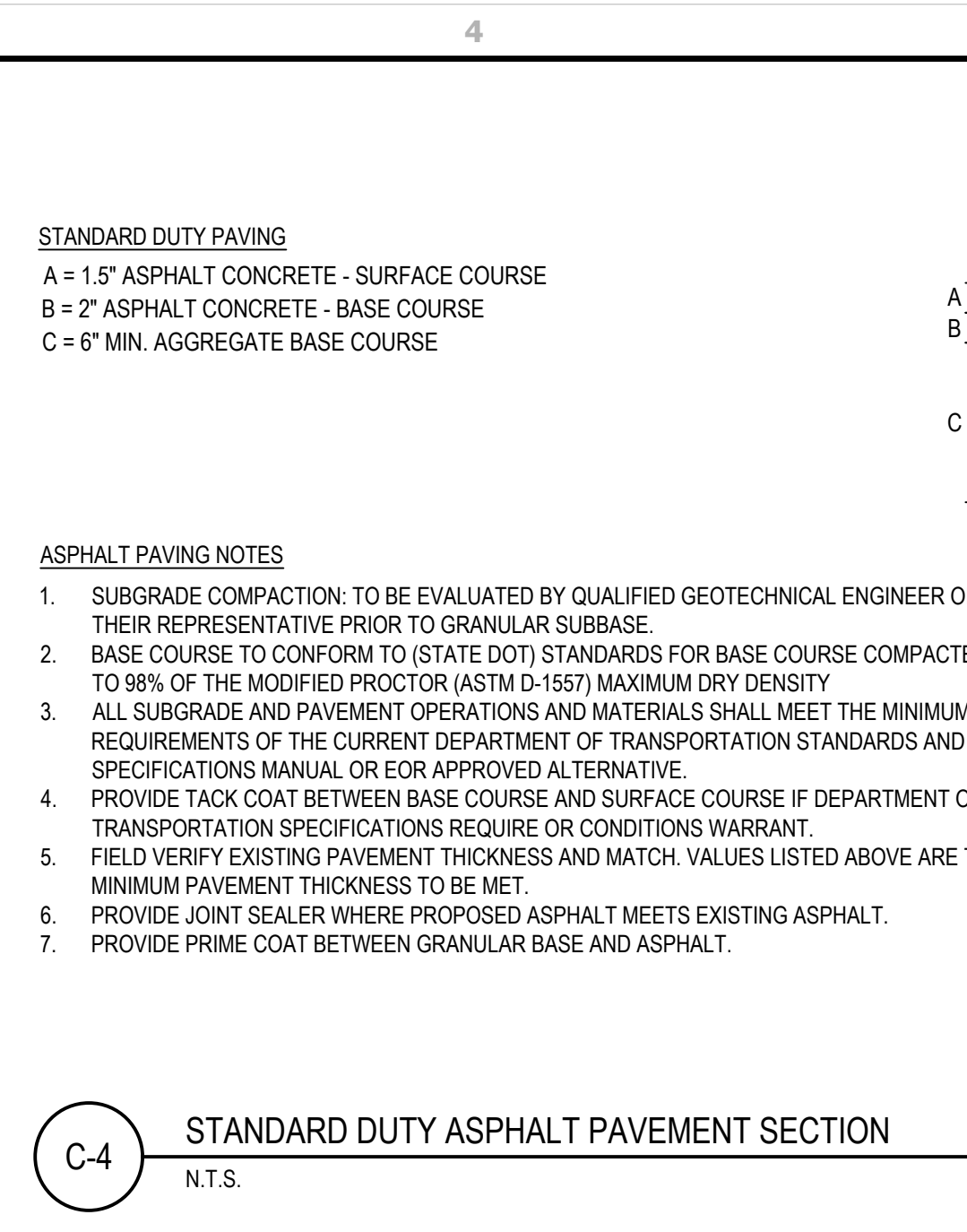
C-1 ISOMETRIC CABINET MOUNTING
N.T.S.



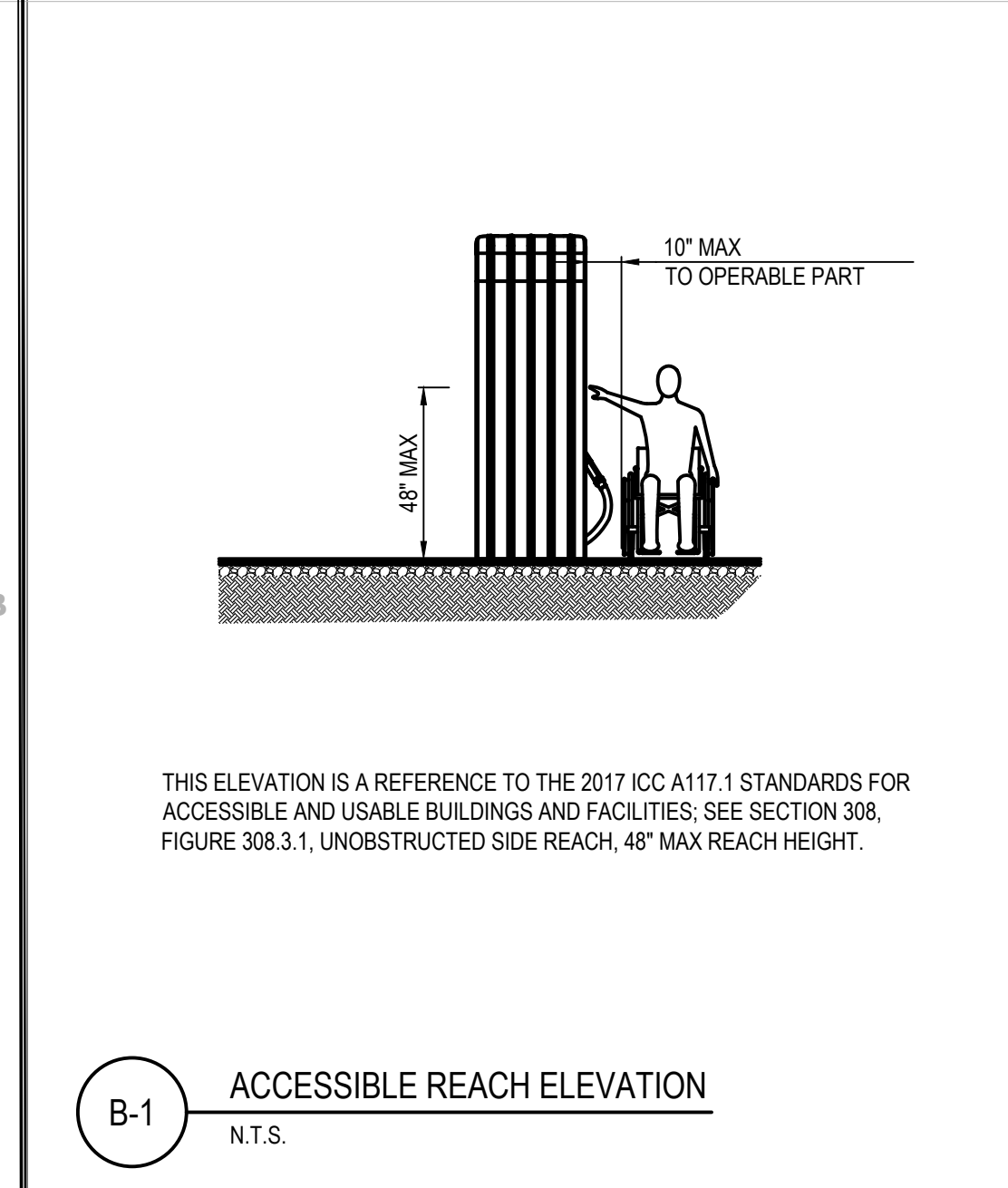
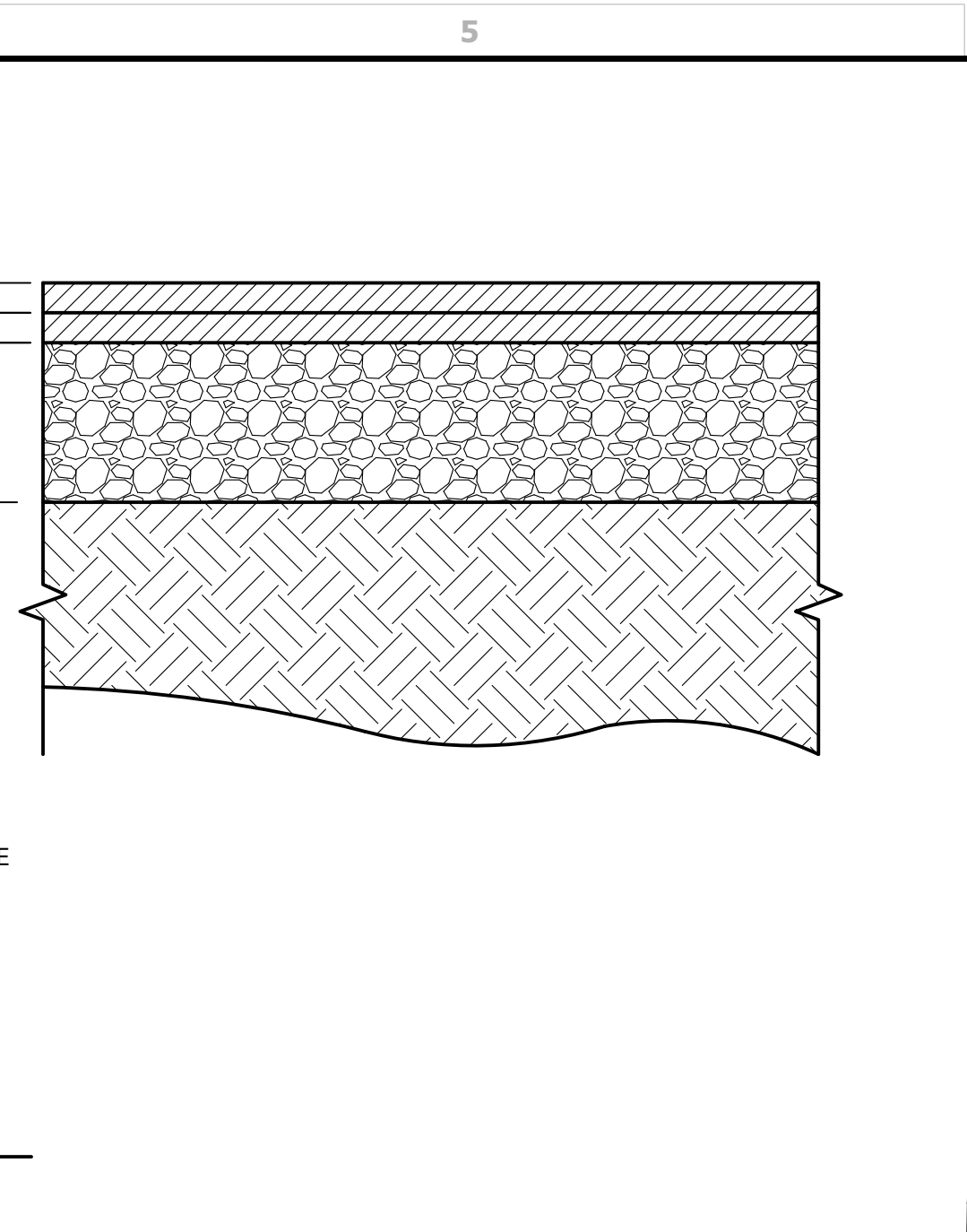
C-2 P6 DETERRENT BOLLARD
N.T.S.



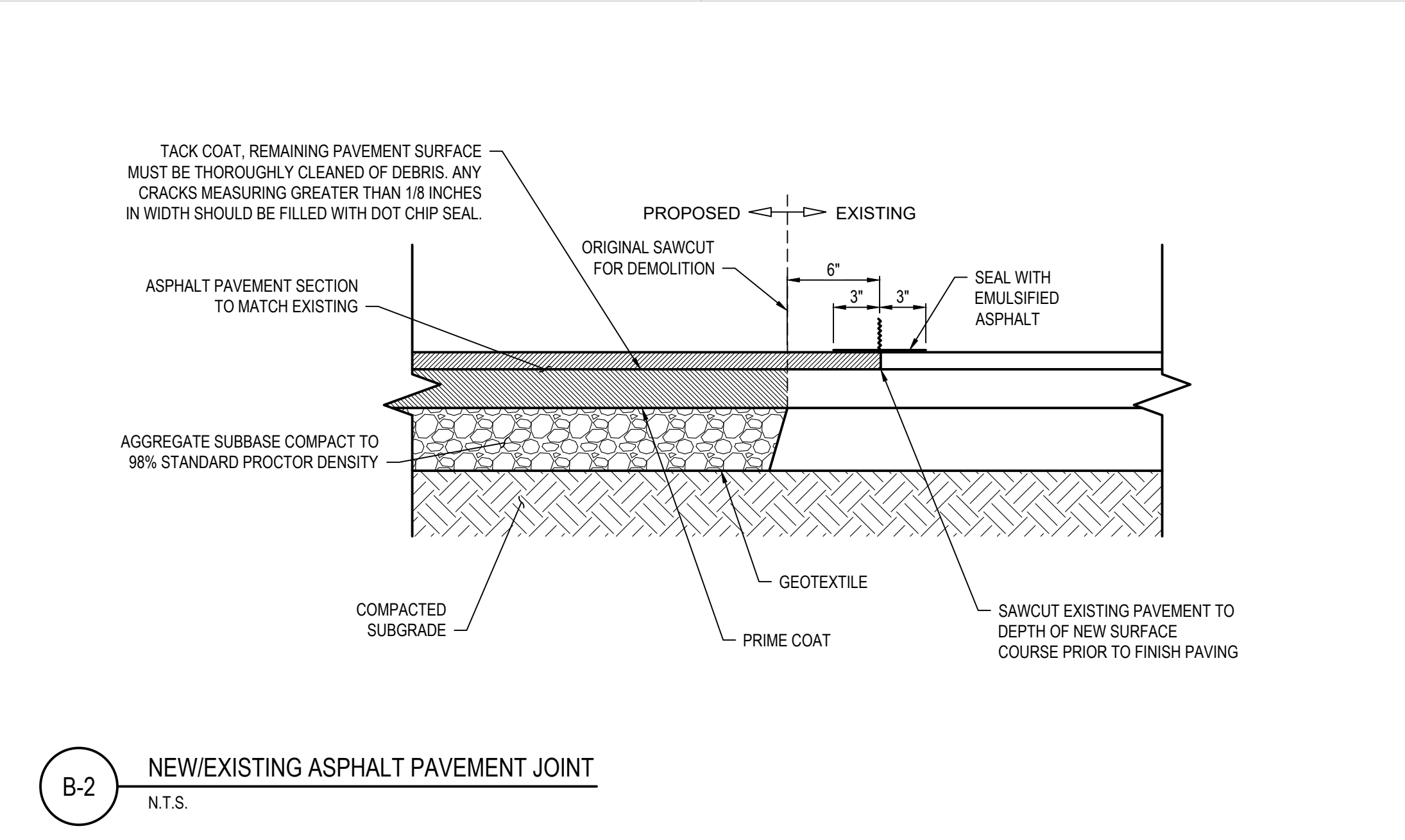
C-3 DETERRENT BOLLARD WITH NON-ILLUMINATED SIGN
N.T.S.



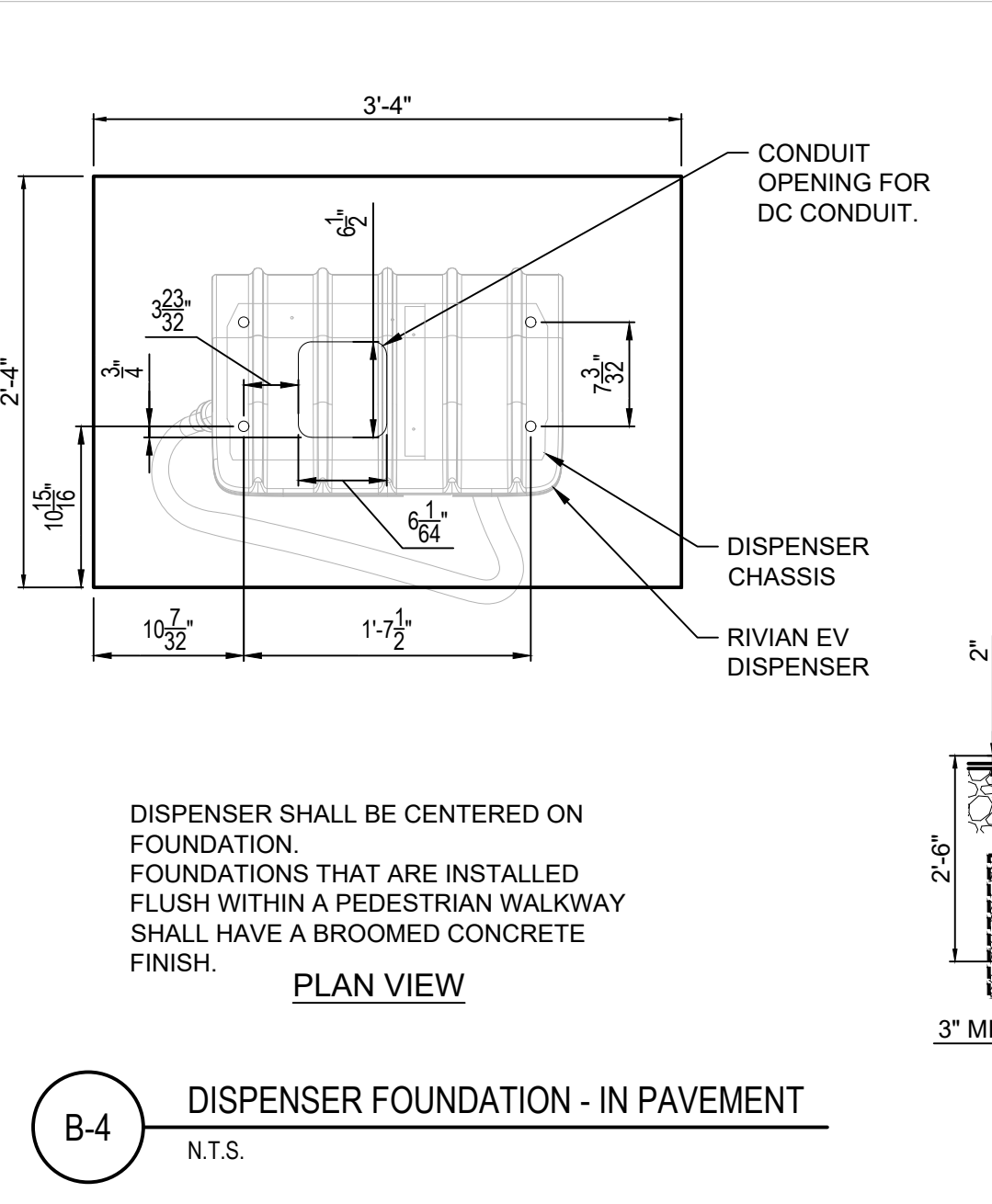
C-4 STANDARD DUTY ASPHALT PAVEMENT SECTION
N.T.S.



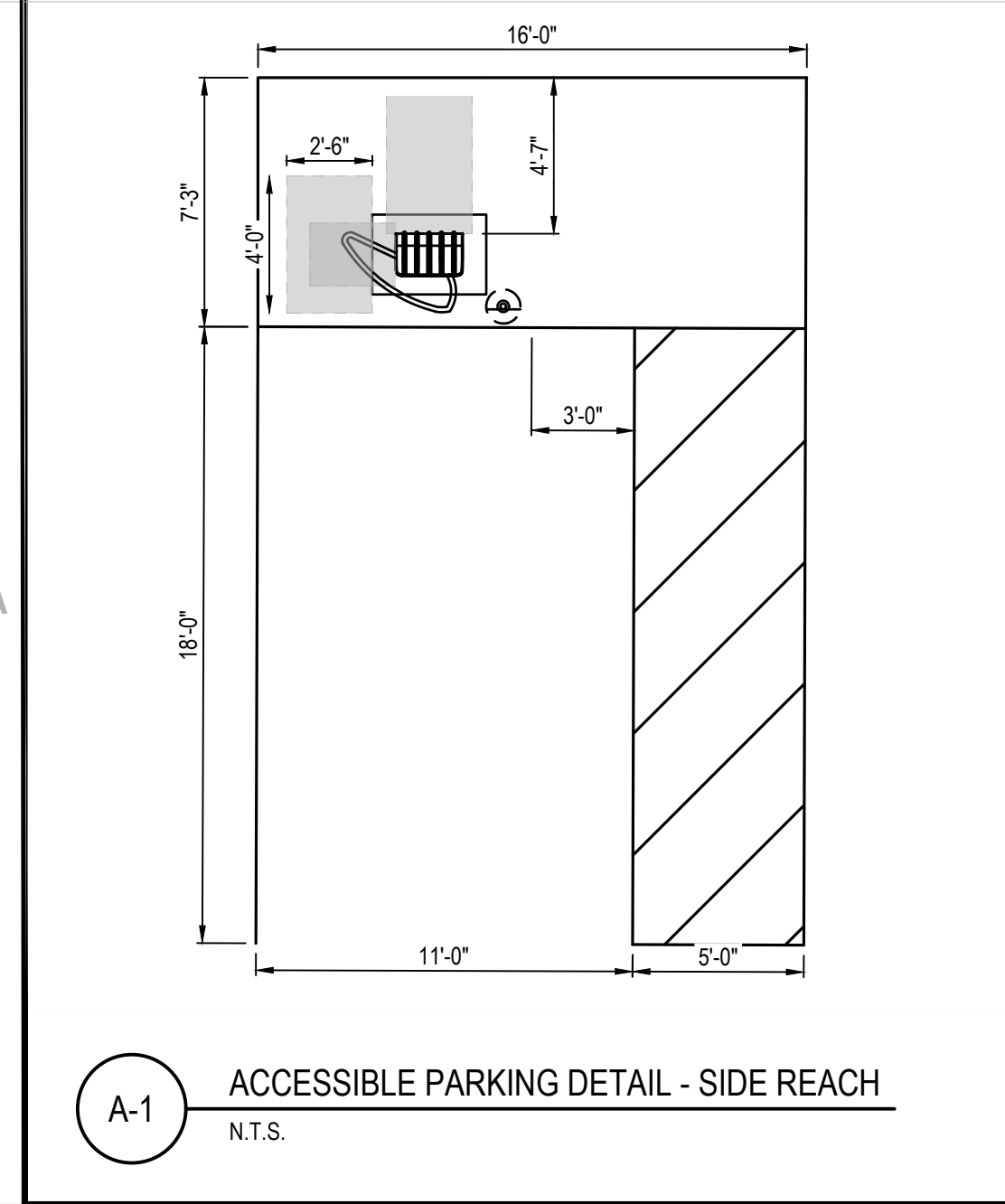
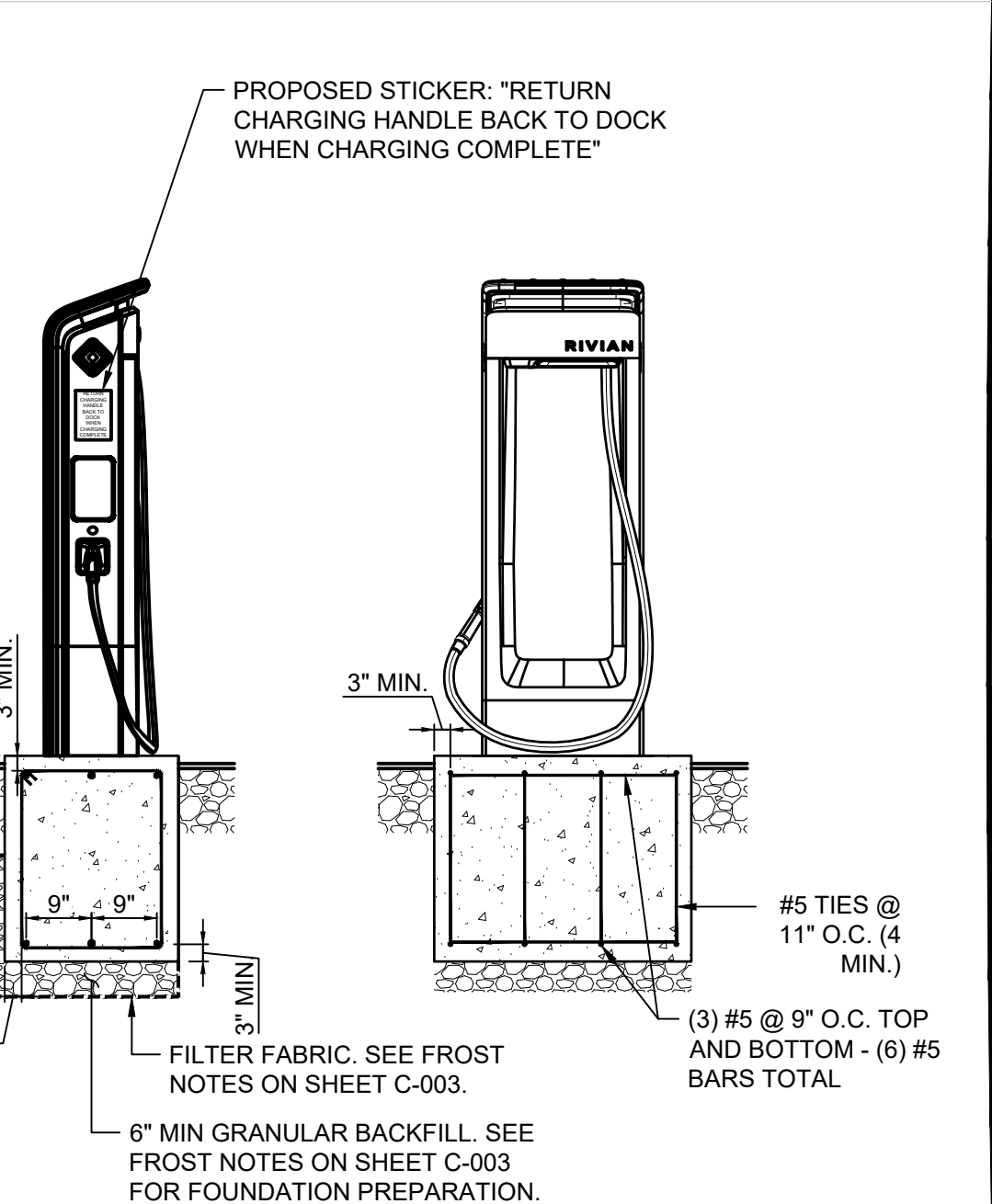
B-1 ACCESSIBLE REACH ELEVATION
N.T.S.



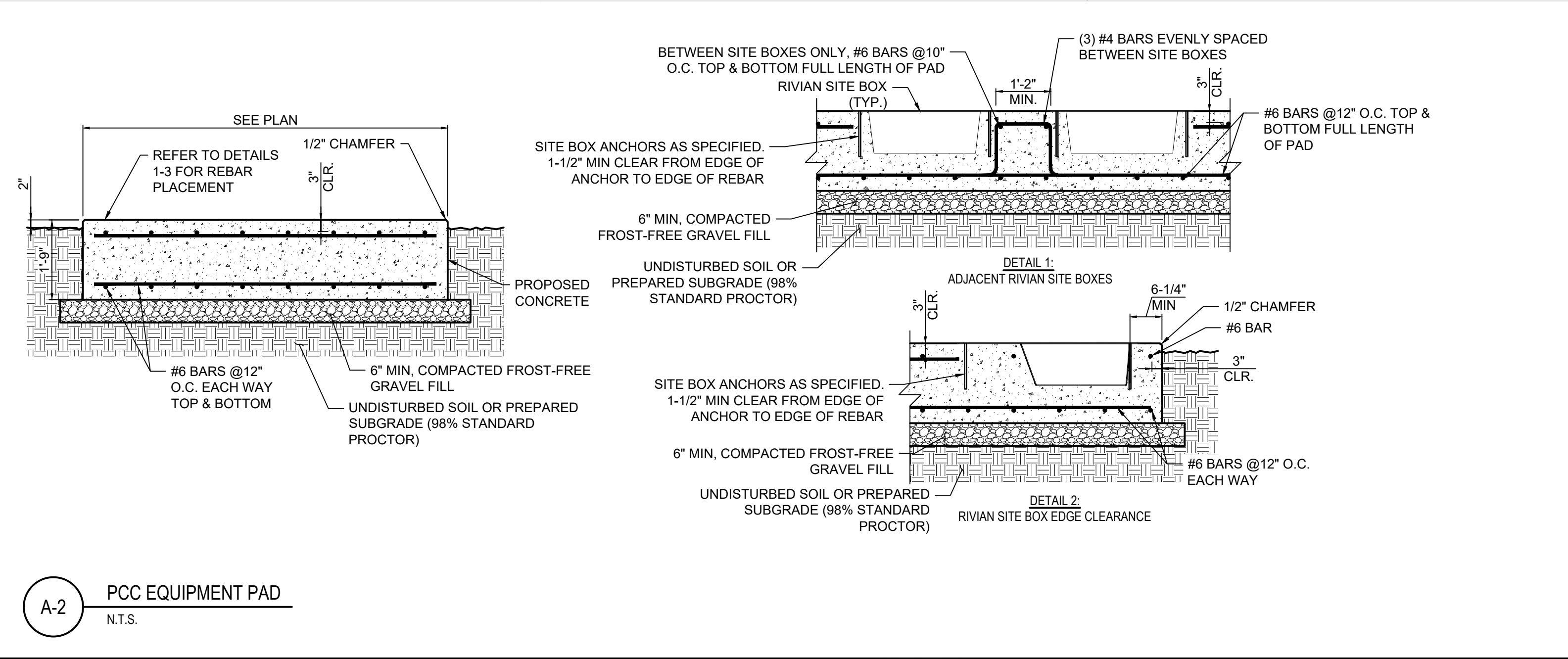
B-2 NEW/EXISTING ASPHALT PAVEMENT JOINT
N.T.S.



B-4 DISPENSER FOUNDATION - IN PAVEMENT
N.T.S.



A-1 ACCESSIBLE PARKING DETAIL - SIDE REACH
N.T.S.



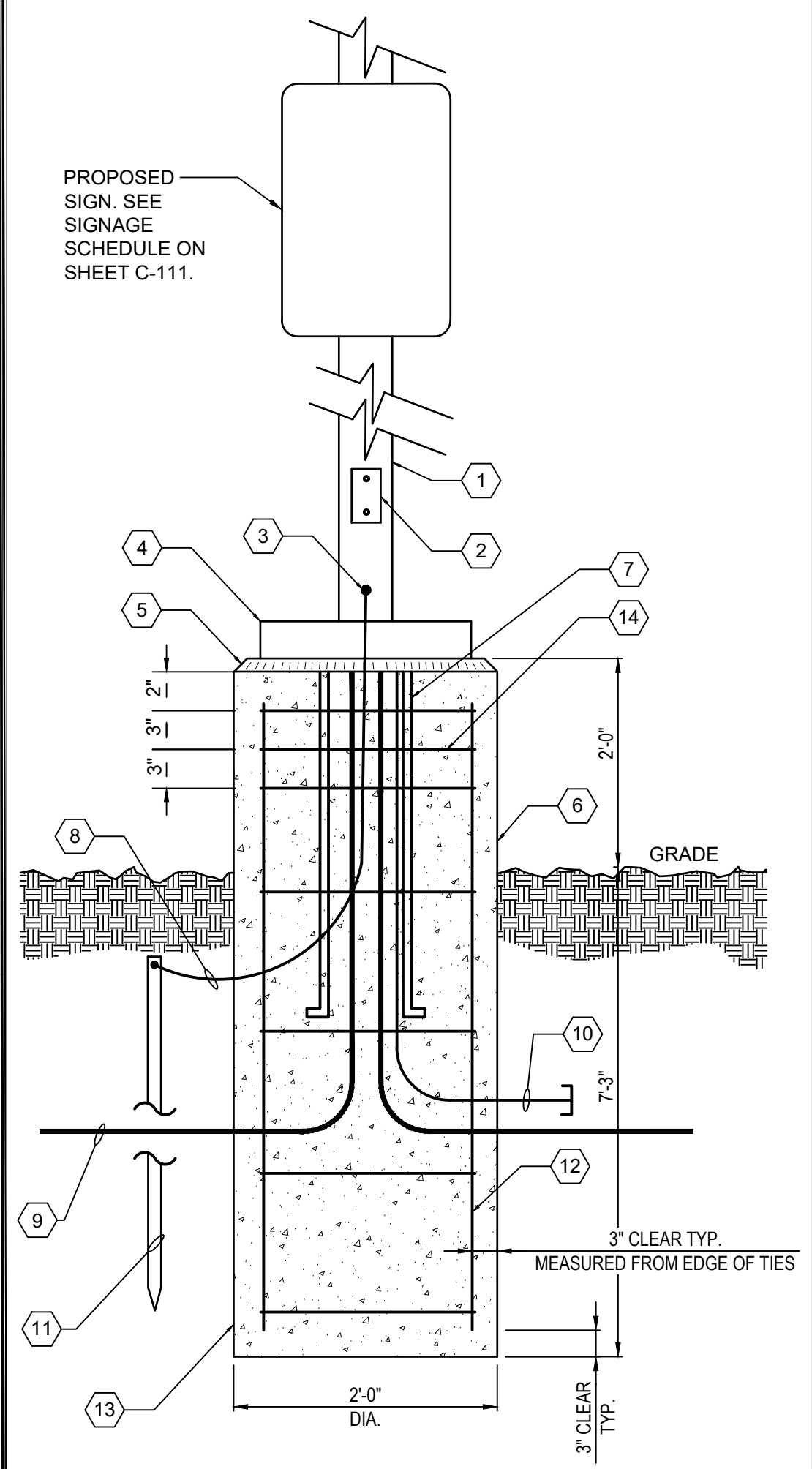
A-2 PCC EQUIPMENT PAD
N.T.S.

P.C.C. PAD NOTES & CONCRETE SPECIFICATIONS:

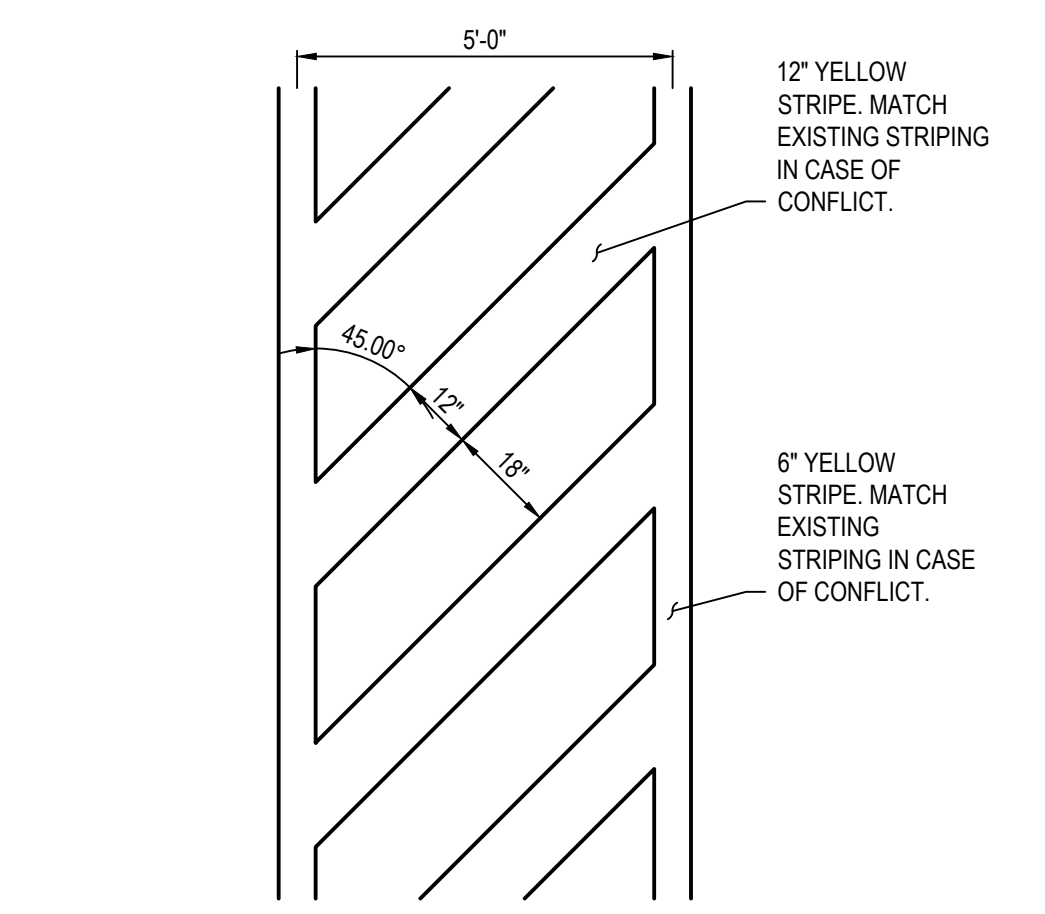
- FOUNDATION AREA SHALL BE EXCAVATED TO THE DEPTH AND DIMENSIONS SHOWN ON THE PLANS. OTHER UNSUITABLE MATERIAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE. THE SUBGRADE SHALL BE ROLLED WITH A 1-TON, VIBRATORY, WALK-BEHIND ROLLER AT A SPEED OF LESS THAN 2 FPS, 6 PASSES MINIMUM, TO PROVIDE UNYIELDING SURFACE.
- UNDERCUT SOFT OR "WEAVING" AREAS A MINIMUM OF 12 INCHES DEEP. BACKFILL UNDERCUT AREA WITH FILL MEETING THE SPECIFICATIONS OF STRUCTURAL FILL.
- CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (f_c)=4500 psi.
- REINFORCING BAR TO BE ASTM A615 GRADE 60.
- ALL REINFORCING TO HAVE MINIMUM CONCRETE COVER PER ACI SPECIFICATIONS.
- ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO ACI 318-14 AND APPLICABLE STATE BUILDING CODE.
- PAD SHALL BE A MINIMUM OF 1'-9" IN THICKNESS. THICKNESS OF PAD SHALL INCREASE AS THE PERIMETER SOIL SURFACE SLOPES TO MAINTAIN A MINIMUM OF 1'-7" OF SOIL COVER TO THE BOTTOM OF THE PAD.
- 100% TIES FOR REBAR OVERLAP. NO COLD JOINTS SHALL BE PERMITTED.

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March 27, 2025 12:18 PM - NEVANS

- KEY NOTES**
- 1 PROPOSED 18'-0" POLE WITH BLACK FINISH.
 - 2 HAND HOLE
 - 3 GROUND LUG
 - 4 BOLT COVER
 - 5 3/4" CHAMFER
 - 6 RUB CONCRETE TO REMOVE SONOTUBE FORM LINES AND FILL ALL HOLES FOR SMOOTH FINISH. WEATHERSEAL ALL EXPOSED CONCRETE.
 - 7 ANCHOR BOLTS SUPPLIED WITH POLE. INSTALL PER POLE VENDOR DRAWINGS.
 - 8 #6 CU. BARE GROUND CONDUCTOR
 - 9 BRANCH CIRCUIT WIRING IN CONDUIT AT 24" (MINIMUM) BELOW GRADE
 - 10 1" SPARE CONDUIT STUBBED INTO POLE BASE & CAPPED 12" FROM BASE
 - 11 3/4"x10'-0" CU. CLAD GROUND ROD
 - 12 (6) #6 REBAR (VERTICAL) TIE-WIRED TO #4 REBAR TIES AT 12" ON CENTER, U.N.O.
 - 13 REINFORCED CONCRETE, 4500 PSI COMPRESSIVE STRENGTH
 - 14 ADDITIONAL #4 REBAR TIES @ 3" ON CENTER
 - 15 PROPOSED STEEL-TYPE BIRD SPIKES MOUNTED TO TOP OF LIGHT FIXTURE

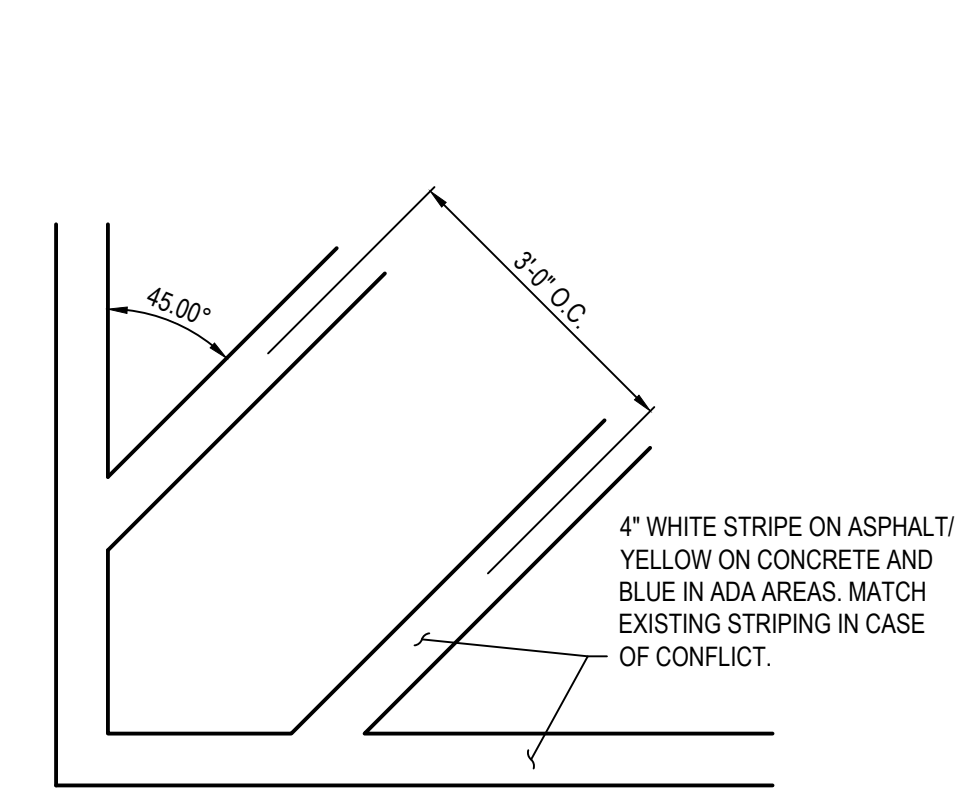


A-1 LIGHT POLE
N.T.S.



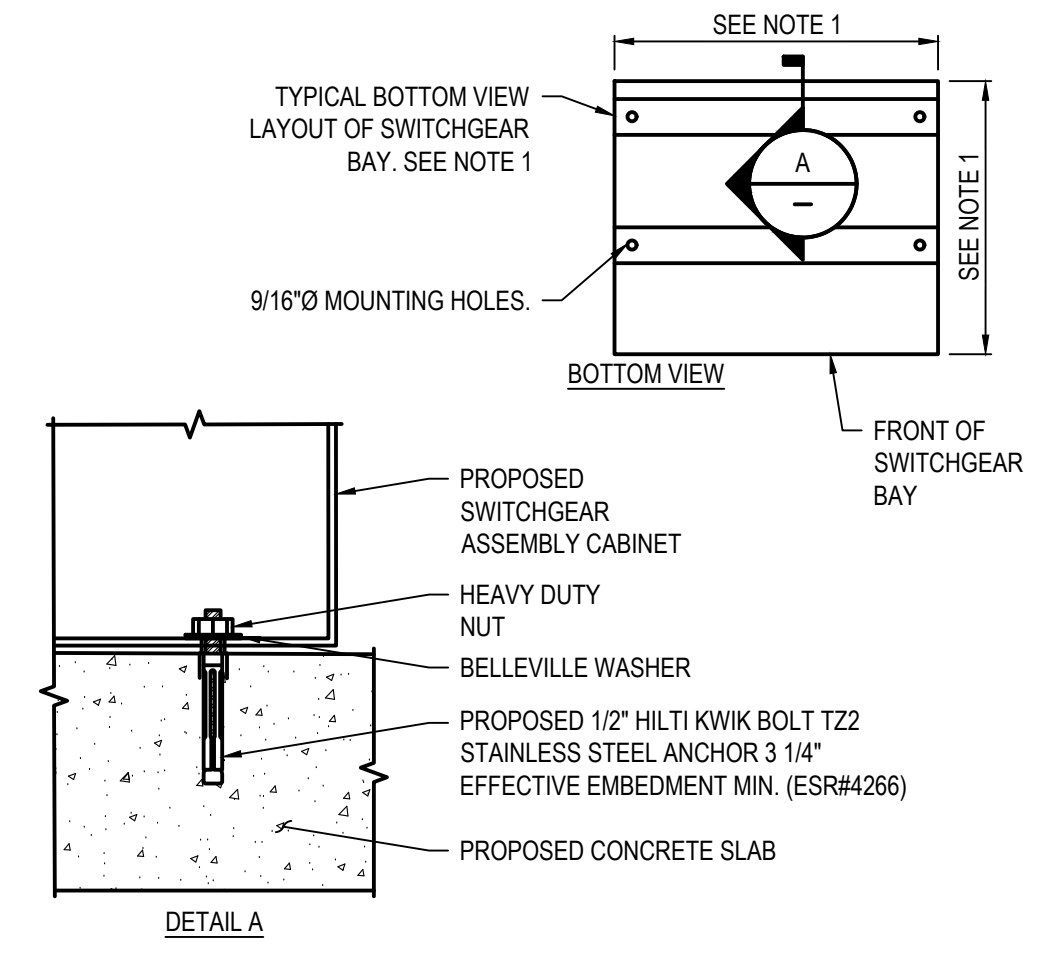
NOTE:
REFER TO CIVIL GENERAL NOTES FOR ADDITIONAL PAVEMENT MARKING NOTES AND SPECIFICATIONS.

C-2 CROSSWALK STRIPING
N.T.S.



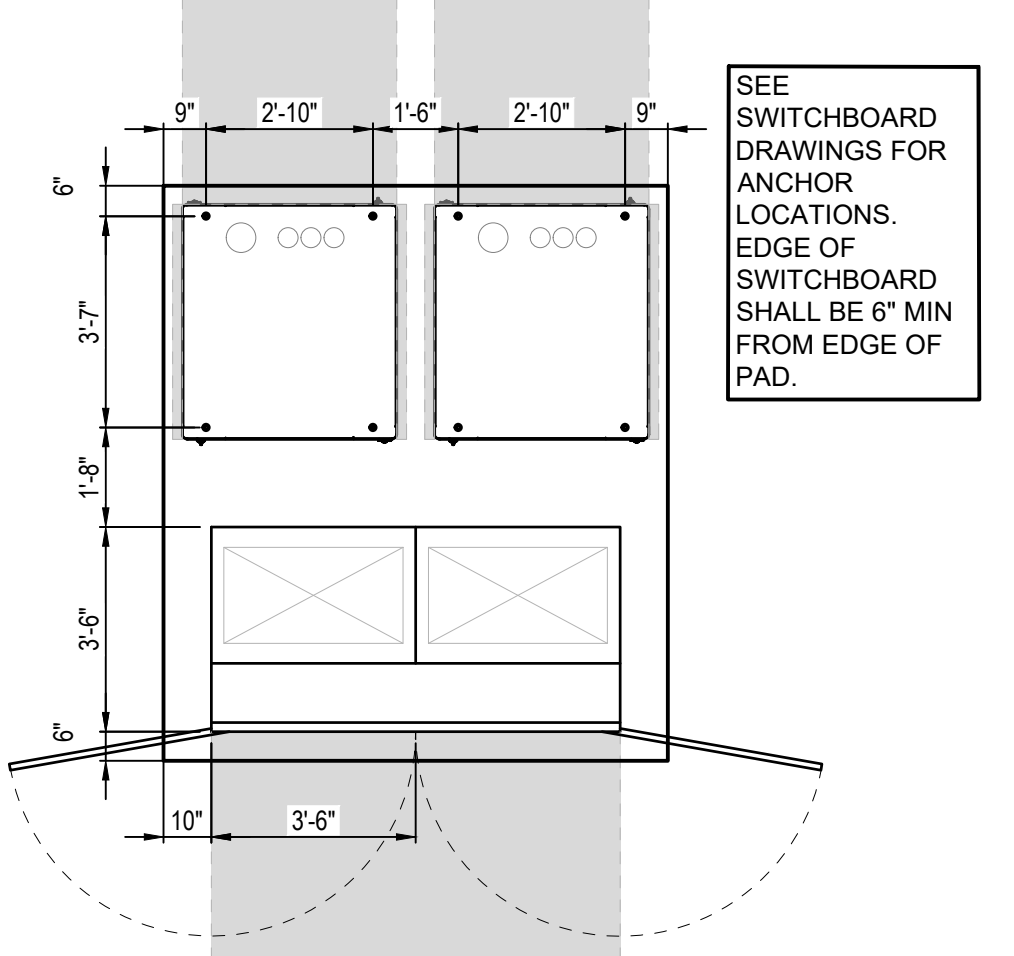
NOTE:
REFER TO CIVIL GENERAL NOTES FOR ADDITIONAL PAVEMENT MARKING NOTES AND SPECIFICATIONS.

C-3 TRANSVERSE STRIPING
N.T.S.



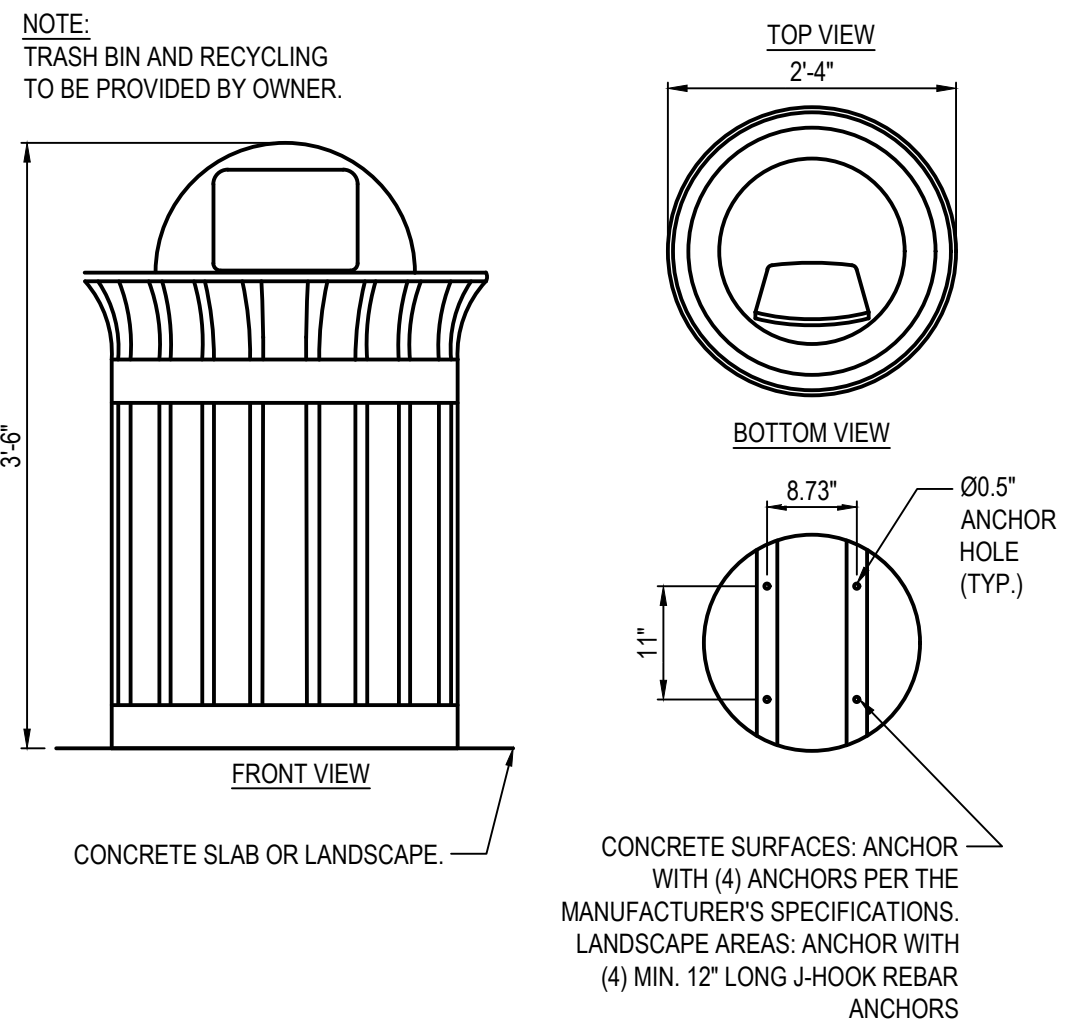
1. REFER TO SWITCHGEAR MANUFACTURER DRAWINGS FOR MOUNTING HOLE LOCATIONS, SWITCHGEAR BAY DIMENSIONS, AND BASE CHANNEL DIMENSIONS.
 2. MINIMUM EDGE DISTANCE FOR PROPOSED ANCHORAGE SHALL BE 8".

C-4 MOUNTING FOR Z-POWER SWITCHGEAR
N.T.S.



SEE SWITCHBOARD DRAWINGS FOR ANCHOR LOCATIONS. EDGE OF SWITCHBOARD SHALL BE 6" MIN FROM EDGE OF PAD.

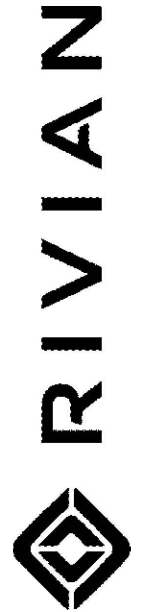
C-5 CABINET ANCHOR DETAIL
N.T.S.



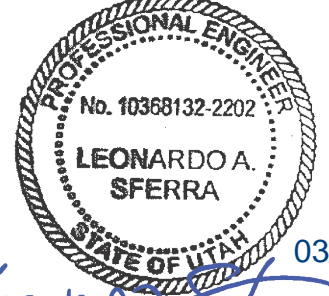
NOTE:
TRASH BIN AND RECYCLING TO BE PROVIDED BY OWNER.

CONCRETE SURFACES: ANCHOR WITH (4) ANCHORS PER THE MANUFACTURER'S SPECIFICATIONS. LANDSCAPE AREAS: ANCHOR WITH (4) MIN. 12" LONG J-HOOK REBAR ANCHORS

B-2 TRASH CAN/RECYCLING BIN
N.T.S.



| REV. | DATE | DESCRIPTION |
|------|------------|------------------------|
| A | 02/04/2025 | ISSUED FOR 30% REVIEW |
| B | 02/19/2025 | ISSUED FOR 90% REVIEW |
| C | 03/24/2025 | ISSUED FOR 100% REVIEW |
| D | 03/27/2025 | ISSUED FOR SIGN & SEAL |



03/27/25
 Leonardo A. Sferro

DCFC ADVENTURE NETWORK
 64 W. CENTER STREET
 MONTICELLO, UT 84535

CIVIL DETAILS

| PROJECT MANAGER | DESIGNER |
|-----------------|----------|
| IM | JVT |

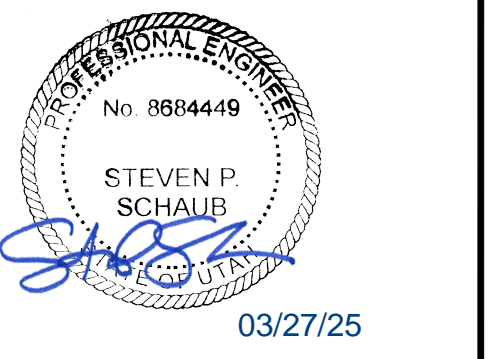
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| GENERAL ELECTRICAL SPECIFICATION 1. THE FOLLOWING ARE ABBREVIATED SPECIFICATIONS. ALL ITEMS NECESSARY FOR A COMPLETE AND OPERABLE JOB (TO THE SATISFACTION OF OWNER) WHETHER SHOWN OR IMPLIED SHALL BE HELD AS THE RESPONSIBILITY OF THE CONTRACTOR 2. IMPORTANT NOTE: "CONTRACTOR" REFERENCED IN THESE SPECIFICATIONS SHALL INDICATE WORK BY ELECTRICAL CONTRACTOR OR ANY OF HIS SUBCONTRACTORS UNLESS NOTED OTHERWISE. 3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT ONLY. COORDINATE INSTALLATION WITH OTHER TRADES TO VERIFY THE ACTUAL SPACE CONDITIONS THAT ARE TO BE MAINTAINED. NO ADDITIONAL PAYMENT WILL BE APPROVED FOR FAILURE TO COMPLY. 4. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING THEIR EXACT MEANING, THE ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK. 5. CONTRACTOR SHALL NOT SCALE ELECTRICAL DRAWINGS. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT AND CONFIRM WITH CONSTRUCTION MANAGER ANY SIZES AND LOCATIONS WHEN NEEDED. 6. CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE ALL ITEMS DEFINED IN THE CONTRACT DOCUMENTS. THE CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: THE CONTRACT, SPECIFICATIONS, AND CONSTRUCTION DRAWINGS. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO INSTALL ALL ELECTRICAL EQUIPMENT, CONDUIT, WIRING ETC. AS SHOWN OR IMPLIED ON THE DRAWINGS AND TO PROVIDE A COMPLETE OPERATIVE SYSTEM TO THE SATISFACTION OF OWNER. 7. CONTRACTOR SHALL PROVIDE ON-SITE SUPERVISION AT ALL TIMES WHILE THE WORK IS BEING PERFORMED AND SHALL DIRECT ALL WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT. 8. INSTALLATION OF ALL ELECTRICAL EQUIPMENT, DEVICES, CONDUITS, ETC. MUST BE COORDINATED WITH ALL OTHER TRADES. COORDINATE SHUTDOWN TIMES AND WORKING HOURS WITH BUILDING OWNER, INCLUDING OFF HOURS, WEEKEND, AND HOLIDAY WORK AS REQUIRED. 9. ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE OWNER IN WRITING PRIOR TO THE AWARD OF THE CONTRACT AND AN ADDENDUM WILL BE ISSUED TO COVER SAME. 10. GUARANTEE - CONTRACTOR SHALL FURNISH OWNER WITH A WRITTEN GUARANTEE TO PROMPTLY REMEDY ALL DEFECTS OF WORK OR MATERIALS WITHOUT CHARGE FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE AND INSPECTION. 11. MATERIALS - ALL MATERIALS AND EQUIPMENT SHALL BE NEW, IN ORIGINAL CONTAINERS/WRAPPIINGS, SHALL BE SPECIFICATION GRADE, AND LABELED OR LISTED BY U.L. OR AN ACCREDITED TESTING ORGANIZATION AS REQUIRED BY LOCAL INSPECTORS. 12. CONTRACTOR SHALL PROVIDE ADEQUATE AND REQUIRED LIABILITY INSURANCE FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK 13. ALL EQUIPMENT SHALL BE DESIGNED TO OPERATE ON VOLTAGE AND PHASE SPECIFIED. CONTRACTOR FURNISHING EQUIPMENT OTHER THAN INDICATED SHALL BE RESPONSIBLE FOR ANY CHANGES IN CONDUCTORS, RACEWAYS, SWITCHES, MAIN FEEDERS, AND APPURTENANCES AND PAY ALL ASSOCIATED COSTS. REQUIREMENTS FOR ANY INCREASE IN CAPACITIES SHALL BE REVIEWED BY ENGINEER. 14. 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 OWNERS' CONFIRMATION, ETC. ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK. | EXISTING CONDITIONS AND DEMOLITION 1. ALL ELECTRICAL DEMOLITION WORK, INCLUDING MATERIAL REMOVAL FROM THE SITE, SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. BEFORE PROCEEDING WITH THE DEMOLITION WORK, THE CONTRACTOR SHALL OBTAIN FROM THE BUILDING OWNER A LIST OF ANY REMOVED ITEMS TO BE SALVAGED. ALL OTHER REMOVED MATERIALS AND EQUIPMENT SHALL BE PROPERLY DISCARDED OFF THE PREMISES. 2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY RESULTING FROM THE CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE AT THE COMPLETION OF WORK. 3. EXISTING UTILITIES AND CONDITIONS ARE SHOWN FROM FIELD DATA AND EXISTING DOCUMENTS AND ARE NOT NECESSARILY COMPLETE OR ACCURATE. ALL FIELD CONDITIONS SHALL BE VERIFIED BY CONTRACTOR BEFORE START OF CONSTRUCTION. 4. CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE, EXPOSE, AND DETERMINE IF CONFLICTS EXIST WITH THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL NOTIFY THE OWNER IN ORDER TO RESOLVE ANY CONFLICTS. EXISTING ELECTRICAL CONDUIT, WIRING, ETC. DAMAGED DURING RENOVATION SHALL BE REPLACED IN LIKE KIND AND CHARACTER, AND AT THE EXISTING UTILITY LINES, DRAIN OR FIELD TILE DAMAGED SHALL BE REPAIRED OR REPLACED, AS NEEDED, IN LIKE KIND AND CHARACTER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING CONDUITS, CONTROL WIRING, ETC., WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES FOR REPAIR OR REPLACEMENT OF PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK. 5. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONFLICTS OR DISCREPANCIES IN THE CONTRACT DOCUMENTS OR FIELD CONDITIONS PRIOR TO EXECUTING THE WORK IN QUESTION. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF DETAILS ARE CONSIDERED UNSOUND, UNSAFE, NOT WATERPROOF, OR NOT WITHIN CUSTOMARY TRADE PRACTICE. IF WORK IS PERFORMED, IT WILL BE ASSUMED THAT THERE IS NO OBJECTION TO THE DETAIL. DETAILS ARE INTENDED TO SHOW THE END RESULT OF THE DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS, AND SHALL BE INCLUDED AS PART OF THE WORK. 6. SITE VISIT - CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING HIS WORK. NO EXTRAS WILL BE PERMITTED FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS. QUANTITIES OF MATERIALS SHALL BE PER CONTRACTOR'S MEASUREMENTS. BASIC ELECTRICAL MATERIALS AND METHODS 1. WHERE STRUCTURAL OPENINGS ARE NOT AVAILABLE, THE CONTRACTOR SHALL CORE DRILL OR CUT CHASES IN WALLS AND FLOORS AS REQUIRED. ALL NEW OPENINGS SHALL BE COORDINATED WITH THE ENGINEER. ALL PENETRATIONS OF THE BUILDING WALLS, CEILING AND FLOORS, THE CONTRACTOR SHALL SEAL WITH QUALITY CAULK, FIRE RATED AND WATERTIGHT, SUBMITTED FOR APPROVAL BY THE OWNER. 2. TRASH REMOVAL: CONTRACTOR SHALL REMOVE ALL TRASH CREATED BY HIMSELF OR HIS SUBCONTRACTORS DUE TO DEMOLITION OR CONSTRUCTION. THE CONTRACTOR SHALL ALSO REMOVE TRASH CREATED BY OTHER SUBCONTRACTORS INCLUDING CABLE REELS, CARDBOARD BOXES AND PACKING. PROMPTLY CLEAN-UP ALL SOILING, DEBRIS AND OTHER UNSIGHTLY OR HAZARDOUS CONDITIONS, CAUSED BY WORK OR DELIVERIES UNDER THIS CONTRACT, FROM THE BUILDING GROUNDS, ENTRIES, CORRIDORS, STAIRWAYS, ELEVATORS OR OTHER PUBLIC AREAS. ALL SHALL BE REMOVED FROM THE SITE IN A TIMELY FASHION TO A LEGAL DISPOSAL FACILITY. 3. SIGNAGE: CONTRACTOR SHALL MAINTAIN SECURITY AROUND PERIMETER OF CONSTRUCTION SITE DURING ALL HOURS BY INSTALLING A TEMPORARY RIBBON FOR INTERIOR WORK TO IDENTIFY CONSTRUCTION AREAS AS REQUIRED. SIGNAGE SHALL BE POSTED WITH NOTIFICATIONS OF "NO TRESPASSING" AND "CONSTRUCTION AREA". 4. CHECK ACCURACY OF ALL DIMENSIONS IN THE FIELD. UNLESS SPECIFICALLY NOTED, DO NOT FABRICATE ANY MATERIALS OFF SITE, NOR DO ANY CONSTRUCTION UNTIL THE ACCURACY OF DRAWING DIMENSIONS HAVE BEEN VERIFIED AGAINST ACTUAL FIELD DIMENSIONS. 5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CUTTING, SUBSEQUENT PATCHING, AND REQUIRED FLASHING FOR ALL ITEMS NECESSARY FOR ELECTRICAL PART OF THE CONTRACT. PATCH, PAINT, AND REPAIR ANY AREA DAMAGED TO THE SATISFACTION OF THE BUILDING OWNER. 6. THE EXACT LOCATIONS OF ALL ELECTRICAL DEVICES, EQUIPMENT AND CONDUIT, AS SHOWN ON THE DRAWING, IS APPROXIMATE. WHEN NOT SHOWN IN DETAIL, THE EXACT LOCATION OR ROUTING SHALL BE DETERMINED BY THE CONTRACTOR, SUBJECT TO THE APPROVAL OF OWNER. 7. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR OTHER SUPPORT FOR THE MOUNTING AND SUPPORT OF ALL ITEMS REQUIRING THE SAME AS REQUIRED BY N.E.C. 8. TRENCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. 9. WHEN DIRECTIONAL BORING IS REQUIRED, CONTRACTOR SHALL INSTALL A LOOSE TONING WIRE WITHIN INSTALLED CONDUIT TO ALLOW FOR IDENTIFICATION OF UNDERGROUND CONDUITS. 10. ALL BOLTS SHALL BE STAINLESS STEEL. 11. FOR UNDERGROUND RACEWAYS, PROVIDE ADDITIONAL SLACK IN CONDUCTORS AND CONDUIT EXPANSION JOINTS IN ORDER TO ALLOW FOR EARTH MOVEMENT FROM SETTLEMENT, FROST, ETC. IN ORDER TO PREVENT DAMAGE TO THE CONDUCTORS OR TO THE EQUIPMENT CONNECTED TO THE RACEWAYS PER THE NEC. | FIRESTOPPING AND SEALING ELECTRICAL PENETRATIONS 1. CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOPPING FOR SEALING AROUND ELECTRICAL PENETRATIONS THROUGH FIRE OR SMOKE BARRIERS, AND FLOORS. 2. PROVIDE SHOP DRAWINGS OF EACH CONDITION REQUIRING PENETRATION SEALS AND THE PROPOSED UL SYSTEMS MATERIALS, ANCHORAGE, METHODS OF INSTALLATION, AND ACTUAL ADJACENT CONSTRUCTION. SUBMITTAL PACKAGE SHALL ALSO INCLUDE A COPY OF THE UL ILLUSTRATION OF EACH PROPOSED SYSTEM INDICATING MANUFACTURER APPROVED MODIFICATIONS (IF APPLICABLE) AND THE MANUFACTURER'S SPECIFICATIONS, RECOMMENDATIONS, INSTALLATION INSTRUCTIONS, AND MAINTENANCE INSTRUCTIONS. 3. FIRESTOPPING MATERIALS SHALL BE INTUMESCENT SAFETY BARRIERS DESIGNED TO BLOCK THE SPREAD OF FIRE AND SMOKE THROUGH PENETRATIONS CREATED BY ELECTRICAL INSTALLATIONS IN FIRE RATED WALLS AND FLOORS. MATERIALS SHALL BE FLAME, TOXIC FUME, AND WATER RESISTANT AND SHALL HAVE A MINIMUM 3 HOUR FIRE RATING. FIRE RATING SHALL BE DEFINED BY TESTS CONDUCTED BY ASTM, UL OR OTHER TESTING AND INSPECTION AGENCIES ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. 4. PROVIDE MATERIALS BY THE FOLLOWING MANUFACTURERS TO SUIT THE APPLICATION: SPECIFIED TECHNOLOGIES, INC (STI), SOMERVILLE, NJ; TREMCO, INC., BEACHWOOD, OH; OR 3M INC., MINNEAPOLIS, MN FAULT CURRENT, COORDINATION STUDY, AND ARC FLASH 1. REFER TO GENERAL SHEET NOTES ON SHEET E-201 FOR FAULT CURRENT, COORDINATION STUDY, AND ARC FLASH REQUIREMENTS. GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS 1. ALL RACEWAYS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE N.E.C. AND ANY LOCAL CODES. 2. ALL CONDUITS SHALL CONTAIN A CODE SIZE GROUNDING CONDUCTOR. 3. EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSULATED WITH GREEN-COLORED INSULATION. 4. GROUNDING ELECTRODE CONDUCTORS SHALL BE STRANDED CABLE. 5. MATERIALS AND CONNECTION COMPONENTS FOR GROUNDING AND BONDING SHALL BE MANUFACTURED BY ERICO, THOMAS & BETTS, OR BURNDY. 6. GROUND-FAULT PROTECTION OF EQUIPMENT SHALL BE PROVIDED FOR SERVICE DISCONNECTS RATED 1000A OR MORE. THE GROUND-FAULT PROTECTION SYSTEM SHALL BE PERFORMANCE TESTED WHEN FIRST INSTALLED ON SITE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH INSTRUCTIONS THAT SHALL BE PROVIDED WITH THE EQUIPMENT. A WRITTEN RECORD OF THIS TEST SHALL BE MADE AND SHALL BE AVAILABLE TO THE AUTHORITY HAVING JURISDICTION. 7. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 1/8-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. 8. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. 9. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE. INSTALL BLACK HEAT-SHRINKING TUBE, ON ALL GROUND TERMINATIONS. THE INTENT IS TO WEATHERPROOF THE COMPRESSION CONNECTION. 10. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS). 11. ALL GROUNDING HARDWARE SUPPLIED AND INSTALLED BY CONTRACTOR. ELECTRICAL IDENTIFICATION 1. PROVIDE NAMEPLATES FOR ALL MAJOR ELECTRICAL EQUIPMENT AND ON EQUIPMENT AS DIRECTED BY OWNER. 2. PROVIDE ALL FEEDERS AND BRANCH CIRCUIT WIRING WITH COLOR CODED VINYL TAPE WRAPPED A MINIMUM OF 1.5 TIMES AROUND CIRCUMFERENCE OF JACKET/SHIELDING TO DESIGNATE PHASE. 3. COLOR CODING OF CONDUCTORS SHALL BE PER NEC REQUIREMENTS. 4. 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" CONDUCTORS AND CABLES 1. WIRING - ALL CONDUCTORS SHALL BE EQUAL TO OR BETTER THAN MINIMUM #12 AWG FOR POWER, #14 AWG FOR CONTROL WITH 98% CONDUCTIVITY STRANDED COPPER, 600V, COLOR CODED, UNLESS NOTED OTHERWISE. FOR ALUMINUM (AL), REFER TO "ALUMINUM CONDUCTOR REQUIREMENTS" THIS SHEET. PROVIDE 75°C RATED CONDUCTORS FOR AMPACITIES ABOVE 100A AND 60°C RATED CONDUCTORS FOR AMPACITIES OF 100 AMPS OR LESS. PROVIDE SOLID OR STRANDED FOR #10 AWG AND SMALLER, STRANDED FOR #8 AWG AND LARGER, UNLESS NOTED OTHERWISE ON DRAWINGS. 2. WIRE SIZE OF BRANCH CIRCUITS SHALL BE ADJUSTED TO COMPENSATE FOR VOLTAGE DROP BASED UPON ACTUAL CONDUIT ROUTING. CONTRACTOR SHALL MAINTAIN VOLTAGE DROP AS RECOMMENDED BY N.E.C. (NOT TO EXCEED 3%). 3. PROVIDE A SEPARATE NEUTRAL FOR EACH BRANCH CIRCUIT, FEEDER, ETC. NEUTRALS ARE NOT PERMITTED TO BE SHARED. 4. CONNECTORS FOR POWER CONDUCTORS: 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. 5. CABLES - MC CABLE IS NOT PERMITTED. 6. PROVIDE WIRE AND CABLE MANUFACTURED BY ONE OF THE FOLLOWING: AMERICAN INSULATED WIRE CORPORATION; NEXANS; CERROWIRE; SOUTHWIRE; OR ENCORE WIRE. 7. PROVIDE CONNECTORS MANUFACTURED BY ONE OF THE FOLLOWING: AMP INCORPORATED; GENERAL SIGNAL, O-Z/GEDNEY UNIT; SQUARE D COMPANY, ANDERSON; ILSCO; OR BURNDY | ALUMINUM CONDUCTOR REQUIREMENTS 1. ALUMINUM CONDUCTOR GRADE SHALL BE MINIMUM AA-8000 OR THE NEWEST ALUMINUM CONDUCTOR SPECIFICATION BEING USED BY THE INDUSTRY. 2. THE CONTRACTOR SHALL ABIDE BY ALL ARTICLES RELATED TO ALUMINUM CONDUCTORS IN THE LATEST ISSUE OF THE NEC. 3. ALUMINUM CONDUCTORS SHALL ONLY BE TERMINATED USING ALUMINUM RATED CONNECTIONS. CONTRACTOR SHALL VERIFY TERMINATIONS ON EACH DEVICE OR EQUIPMENT BEFORE START OF WORK FOR RATED ALUMINUM CONNECTORS. 4. ALL ALUMINUM (Al) CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION IF RECOMMENDED BY MANUFACTURER. ALL OTHER CONDUCTORS ARE COPPER UNLESS NOTED OTHERWISE. 5. THE CONTRACTOR SHALL ABIDE BY ALL ALUMINUM WIRING INSTALLATION STANDARDS AS REQUIRED BY THE NEIS (NATIONAL ELECTRICAL INSTALLATION STANDARDS) PUBLISHED BY THE NECA (NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION). THE CONTRACTOR SHALL ABIDE BY ALL STANDARDS IN THE NECA / AA - 2006, WHICH DEFINES MINIMUM STANDARDS OF QUALITY AND WORKMANSHIP. A SUMMARY OF SOME OF THE REQUIREMENTS FOLLOW: A. TERMINATE WITH COMPRESSION CONNECTORS, NO RING CUTS OF THE INSULATION, CRIMP ONLY WITH A CRIMP TOOL AND THE CORRECT DIE AS REQUIRED BY THE MANUFACTURER. B. ALL CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION IF RECOMMENDED BY MANUFACTURER. C. TERMINATING WITH A SET SCREW CONNECTOR, THE SCREW SHALL BE TIGHTENED USING ONLY A TORQUE WRENCH. D. NECA / AA RECOMMENDS BELLVILLE WASHERS WHEN CONNECTING ALUMINUM CONNECTORS TO COPPER BUS BARS. ABIDE BY ALL NECA / AA RECOMMENDATIONS. E. DO NOT USE PIN CONNECTORS (WIRE ADAPTERS) UNLESS ABSOLUTELY NECESSARY. USE ALL ANY OTHER OPTIONS, AND IF REQUIRED, PROVE TO ENGINEER BEFORE INSTALLING. IF USED, FOLLOW UL GUIDE FOR WIRE CONNECTORS (ZMOW), AND PROVIDE THE SPECIAL TOOLS REQUIRED BY THE MANUFACTURER. DIE-LESS CRIMPERS WILL NOT BE ACCEPTED. RACEWAY AND BOXES 1. RACEWAYS: UNLESS NOTED OTHERWISE, ALL EXPOSED CONDUIT SHALL BE R.G.S. AND COVERED 6" BELOW FINISHED GRADE TO BE PVC, HDPE, OR LFNC. SEE NOTES A & B BELOW. PROVIDE WEATHERPROOF FLEX CONNECTIONS WHERE REQUIRED. CONTRACTOR SHALL PROVIDE JUNCTION AND/OR PULL BOXES WHERE SHOWN ON THE DRAWINGS, OR AS REQUIRED, WHETHER SHOWN ON THE DRAWINGS OR NOT, AND SIZED PER N.E.C. PROVIDE NON-METALLIC ENCLOSURE WITH OPEN BOTTOM AND GASKETED COVER MANUFACTURED BY QUAZITE OR EQUIVALENT WITH DRIVE-OVER COVER ABLE TO WITHSTAND OCCASIONAL NON-DELIBERATE LIGHT VEHICULAR TRAFFIC. LABEL COVER TO SUIT INSTALLATION (I.E. "POWER" "COMMUNICATIONS", "LIGHTING", ETC.) AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. A. OUTDOOR: <ul style="list-style-type: none">ABOVE GRADE: R.G.S.BELOW GRADE: SCH 40 PVC, SCH 40 HDPE, OR NON-METALLIC FLEXIBLE CONDUIT LISTED FOR DIRECT BURIAL. ALL UNDERGROUND CONDUIT SHALL BE 90°C WET RATED AND INSTALLED 24" MIN. BELOW GRADE. VERIFY APPROVED USE OF HDPE WITH AHJ PRIOR TO ROUGH-IN AND INSTALL PER NEC & MFR RECOMMENDATIONS. B. PARKING GARAGES: <ul style="list-style-type: none">RGS: 8'-0" OR LESS ABOVE GRADE OR PARKING GARAGE FLOOR LEVELEMT: 8'-0" MINIMUM ABOVE PARKING GARAGE FLOOR LEVEL AND WHERE NOT SUBJECT TO DAMAGE. CONTRACTOR SHALL VERIFY WITH ELECTRICAL INSPECTOR IF EMT IS APPROVED AT THIS PROJECT PRIOR TO ROUGH-IN. 2. ALL WIRING SHALL BE INSTALLED IN CONDUIT. ALL CONDUIT SHALL BE A MINIMUM OF 3/4". 3. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. CONTRACTOR SHALL PROVIDE MANUFACTURED LONG RADIUS BENDS FOR ALL CONDUITS. 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 'BRITZ ZINC' OR 'GOLD GALV'. 4. OUTLET BOXES SHALL BE CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS. 5. PROVIDE METAL CONDUIT AND TUBING MANUFACTURED BY ONE OF THE FOLLOWING: ALFLEX CORPORATION; ANAMET INCORPORATED, ANAONDA METAL HOSE; ANIXTER BROTHERS INCORPORATED; CAROL CABLE COMPANY INCORPORATED; ELECTRI-FLEX COMPANY; GRINNELL COMPANY, ALLIED TUBE AND CONDUIT DIVISION; MONOGRAM COMPANY, AFC; REPUBLIC CONDUIT, OR WHEATLAND TUBE COMPANY. 6. PROVIDE NONMETALLIC CONDUIT AND TUBING MANUFACTURED BY ONE OF THE FOLLOWING: ANAMET INCORPORATED, ANAONDA METAL HOSE; CANTEX INDUSTRIES, HARSCO CORPORATION; CONDUX INTERNATIONAL, ELECTRICAL PRODUCTS; HUBBELL INCORPORATED, RACO, INCORPORATED; THOMAS & BETTS CORPORATION, CARLON ELECTRICAL PRODUCTS; OR O-Z/GEDNEY, UNIT OF GENERAL SIGNAL. 7. PROVIDE CONDUIT BODIES AND FITTINGS MANUFACTURED BY ONE OF THE FOLLOWING: CROUSE-HINDS, DIVISION OF COOPER INDUSTRIES; EMERSON ELECTRIC COMPANY, APPLETON ELECTRIC COMPANY; HUBBELL INCORPORATED, KILLARK ELECTRIC MANUFACTURING COMPANY; THOMAS & BETTS CORPORATION, CARLON ELECTRICAL PRODUCTS; OR O-Z/GEDNEY, UNIT OF GENERAL SIGNAL. 8. PROVIDE METAL WIREWAYS MANUFACTURED BY ONE OF THE FOLLOWING: HOFFMAN ENGINEERING COMPANY, KEYSTONE REES, INCORPORATED, OR SQUARE D COMPANY. 9. PROVIDE BOXES, ENCLOSURES, AND CABINETS MANUFACTURED BY ONE OF THE FOLLOWING: CROUSE-HINDS, DIVISION OF COOPER INDUSTRIES; HOFFMAN ENGINEERING COMPANY, FEDERAL-HOFFMAN INCORPORATED; HUBBELL, INCORPORATED, RACO INCORPORATED; THOMAS & BETTS, CARLON ELECTRICAL PRODUCTS; O-Z/GEDNEY, UNIT OF GENERAL SIGNAL; ROBROY INDUSTRIES INCORPORATED, ELECTRICAL DIVISION; OR SCOTT FEITZER COMPANY, ADALET-PLM. | |
| LICENSES, CERTIFICATIONS OF INSPECTION 1. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF ALL GOVERNING AGENCIES THAT REQUIRE SITE INSPECTION OF THE WORK AND/OR SIMPLY NOTIFICATION. THE CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS, LICENSES AND INSPECTIONS NECESSARY FOR PERFORMANCE OF THE WORK. 2. CONTRACTOR AND ALL OF HIS SUBCONTRACTORS THAT PERFORM ANY WORK ON THIS PROJECT SHALL BE CURRENTLY LICENSED BY ALL AGENCIES WHICH GOVERN OVER THE LAND(S) ON WHICH CONSTRUCTION IS TO TAKE PLACE. CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS AS REQUIRED, ALL COSTS SHALL BE BORNE BY CONTRACTOR. 3. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS INCIDENTAL TO WORK UNDER THIS CONTRACT. WHEN THE WORK IS COMPLETED, THE REQUIRED CERTIFICATES OF APPROVAL SHALL BE FURNISHED TO THE BUILDING OWNER. CONTRACTOR MUST BE LICENSED IN THE STATE, COUNTY AND CITY OF THE PROJECT SITE. | | | | |
| CODES AND ORDINANCES 1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH LATEST EDITION OF NEC AND ALL APPLICABLE CODES AND ORDINANCES, INCLUDING SUCH AS PERTAIN TO THE SAFETY AND HEALTH RELATIONS. CODES AND ORDINANCES SHALL TAKE PRECEDENCE OVER THE DRAWINGS AND SPECIFICATIONS ONLY IN CASE OF CONFLICT AND SHALL INCLUDE BUT NOT BE LIMITED TO: A. UL - UNDERWRITERS LABORATORIES B. NEC - NATIONAL ELECTRICAL CODE C. NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION D. OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT E. SBC - STANDARD BUILDING CODE F. NFPA - NATIONAL FIRE CODES | | | | |
| POST CONSTRUCTION AND PROJECT CLOSEOUT DOCUMENTATION 1. AS-BUILT REQUIREMENTS: DO NOT USE RECORD DOCUMENTS FOR CONSTRUCTION PURPOSES. TO PROTECT RECORD DOCUMENTS FROM DETERIORATION AND LOSS, STORE IN A SECURE, FIRE-RESISTANT LOCATION. PROVIDE ACCESS TO RECORD DOCUMENTS FOR THE OWNERS' REFERENCE DURING NORMAL WORKING HOURS. MAINTAIN A CLEAN, UNDAMAGED SET OF BLUE OR BLACK LINE PRINTS OF CONTRACT DRAWINGS AND SHOP DRAWINGS. MARK THE SET TO SHOW THE ACTUAL INSTALLATION WHERE THE INSTALLATION VARIES SUBSTANTIALLY FROM THE WORK AS ORIGINALLY SHOWN. MARK DRAWINGS THAT ARE MOST CAPABLE OF SHOWING CONDITIONS FULLY AND ACCURATELY. WHERE SHOP DRAWINGS ARE USED, RECORD A CROSS-REFERENCE AT THE CORRESPONDING LOCATION ON THE CONTRACT DRAWINGS. GIVE PARTICULAR ATTENTION TO CONCEALED ELEMENTS THAT WOULD BE DIFFICULT TO MEASURE AND RECORD AT A LATER DATE. MARK RECORD SETS WITH RED ERASABLE PENCIL. USE OTHER COLORS TO DISTINGUISH BETWEEN VARIATIONS IN SEPARATE CATEGORIES OF THE WORK. MARK NEW INFORMATION THAT IS IMPORTANT TO THE OWNER BUT WAS NOT SHOWN ON THE CONTRACT DRAWINGS, DETAILS OR SHOP DRAWINGS. NOTE RELATED CHANGE ORDER NUMBERS WHERE APPLICABLE. NOTE RELATED RECORD DRAWING INFORMATION AND PRODUCT DATA. UPON COMPLETION OF THE WORK, SUBMIT ONE (1) COMPLETE SET OF RECORD DOCUMENTS TO THE CONSTRUCTION MANAGER FOR THE OWNER'S RECORDS. CONTRACTOR SHALL SUBMIT AS-BUILT SET OF PLANS TO THE ENGINEER WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION. | | | | |



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DCFC ADVENTURE NETWORK
64 W. CENTER STREET
MONTICELLO, UT 84535

ELECTRICAL GENERAL NOTES

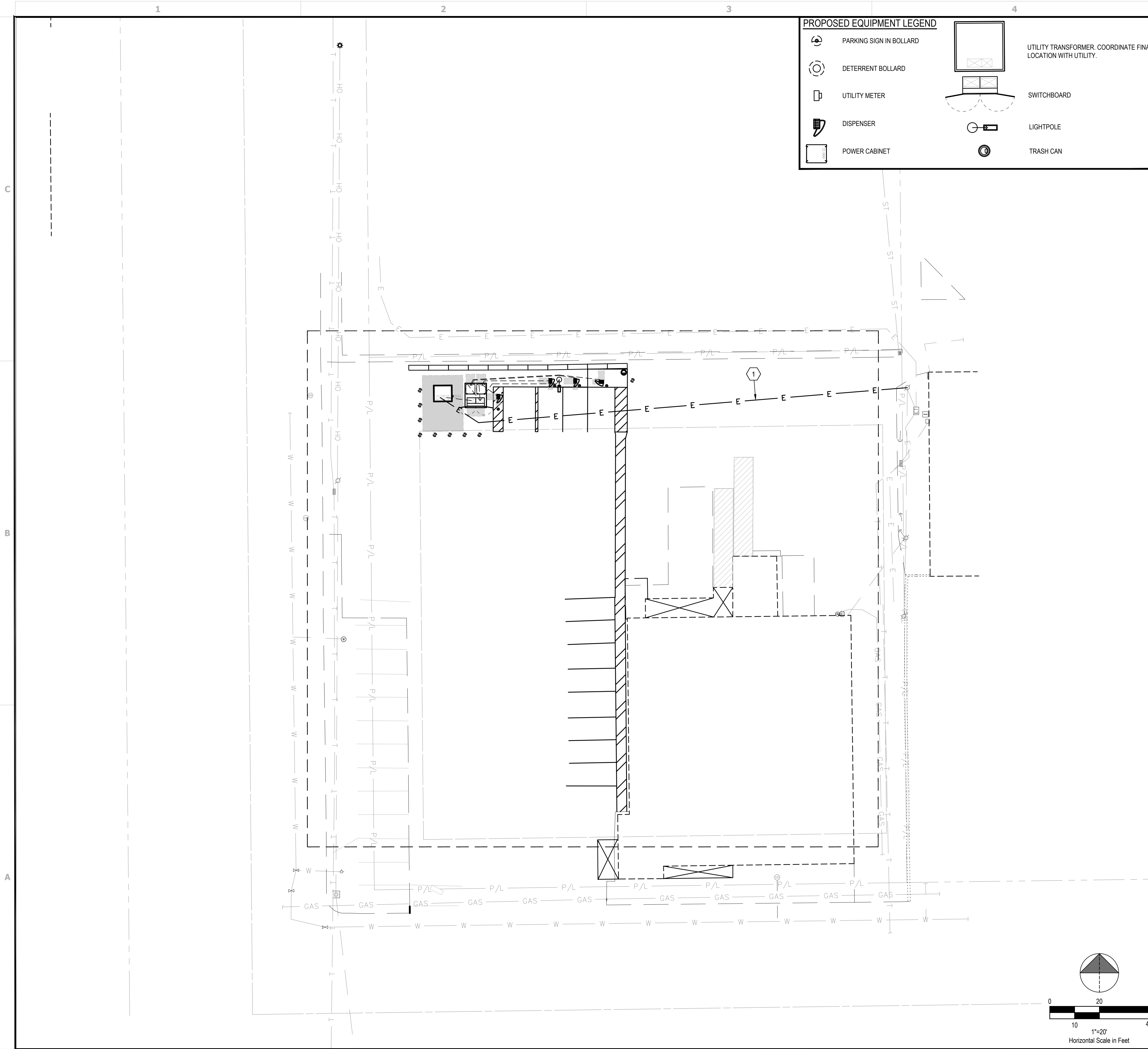
| PROJECT MANAGER | DESIGNER |
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| IM | JVT |

JOB NO.
2023264.17

E-001

SAFETY SWITCHES
1. ALL DISCONNECT SWITCHES SHALL BE HEAVY-DUTY CONSTRUCTION WITH LOCKABLE HANDLES SIZED AS NOTED ON THE DRAWINGS AND/OR RISER DIAGRAM. PROVIDE NEMA ENCLOSURE AS REQUIRED BY EXPOSURE TYPE. ALL FUSIBLE SWITCHES SHALL BE PROVIDED WITH DUAL ELEMENT FUSES SIZED PER THE EQUIPMENT MANUFACTURER'S RECOMMENDATION.

FUSES
1. FUSES SHALL BE DUAL ELEMENT, TIME DELAY CURRENT LIMITING. CONTRACTOR SHALL COORDINATE FUSE SIZES WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS AND PER THE N.E.C. PROVIDE FUSES MANUFACTURED FROM ONE OF THE FOLLOWING: COOPER BUSSMAN, INCORPORATED; EAGLE ELECTRIC MANUFACTURING COMPANY INCORPORATED, COOPER INDUSTRIES INCORPORATED; FERRAZ SHAWMUT INCORPORATED, LITTELFUSE INCORPORATED.

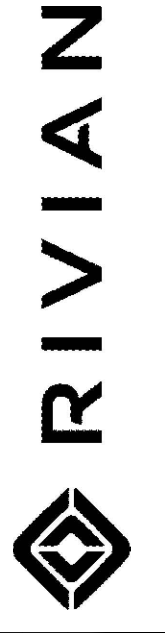
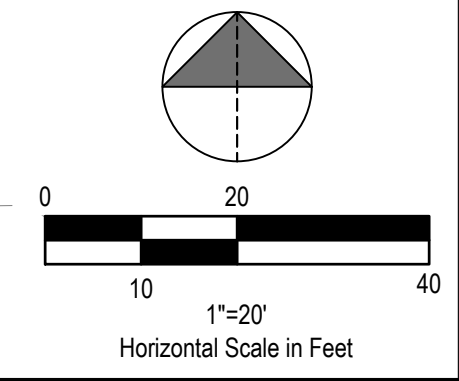
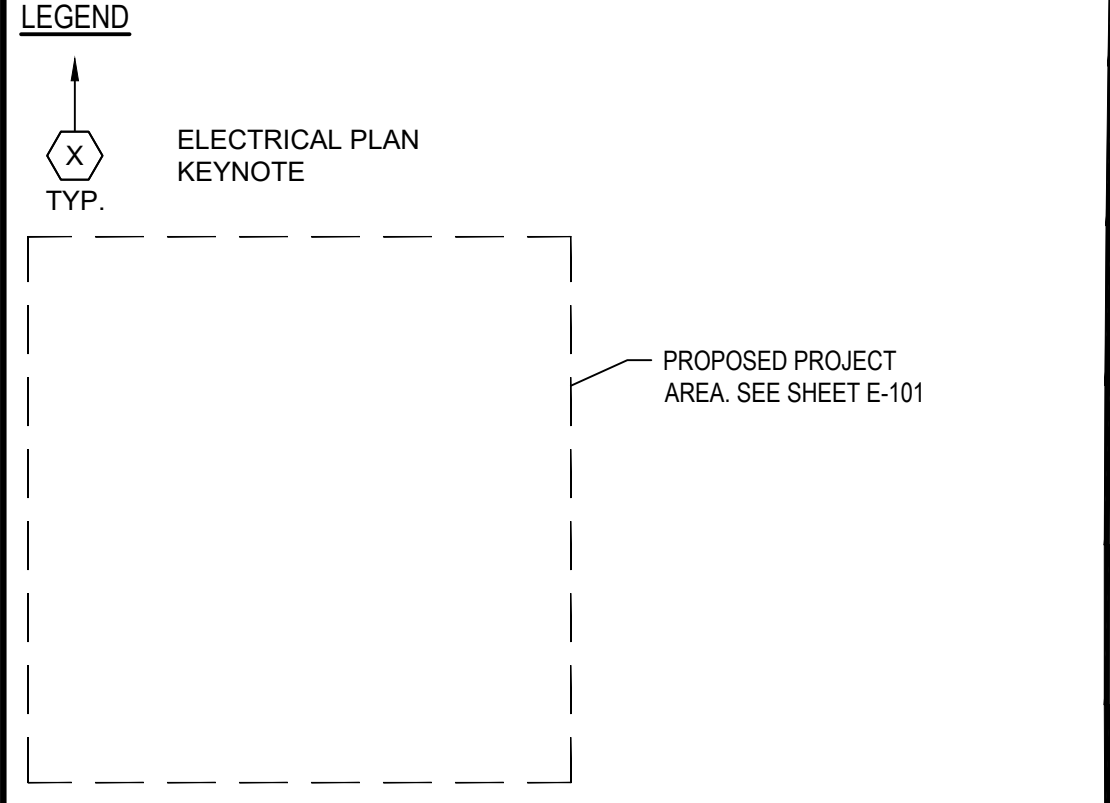


PROPOSED EQUIPMENT LEGEND

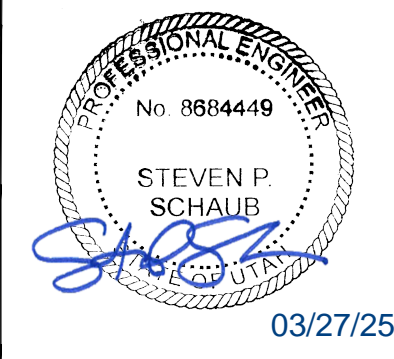
| | | | |
|--|-------------------------|--|--------------------------------------------------------------|
| | PARKING SIGN IN BOLLARD | | UTILITY TRANSFORMER. COORDINATE FINAL LOCATION WITH UTILITY. |
| | DETERRENT BOLLARD | | SWITCHBOARD |
| | UTILITY METER | | LIGHTPOLE |
| | DISPENSER | | TRASH CAN |
| | POWER CABINET | | |

- GENERAL SHEET NOTES**
- THE EXACT ROUTING PATH AND CONDUCTOR RUN LENGTHS SHALL BE DETERMINED BY CONTRACTOR IN FIELD BASED ON PHYSICAL MEASUREMENTS. CONTRACTOR SHALL VERIFY EXACT ROUTING PRIOR TO LAYING CONDUIT.
 - THE CONDUIT ROUTING SHOWN IS DIAGRAMMATICAL ONLY, CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING PRIOR TO LAYING CONDUIT.
 - CONTRACTOR SHALL REFER TO CIVIL SHEETS FOR EXISTING LANDSCAPING TO REMAIN AND PROPOSED LANDSCAPING.
 - CONTRACTOR SHALL HAND DIG AROUND ALL EXISTING UTILITIES.
 - CONDUIT ELBOWS SHALL BE SIZED PER NEC. CONTRACTOR SHALL VERIFY MANUFACTURER ALLOWABLE FILL AND MINIMUM CONDUCTOR BENDING RADIUS. SEE FEEDER SCHEDULE FOR CONDUIT & CONDUCTOR SPECIFICATIONS.
 - ALL CONDUITS ACCESSIBLE TO THE PUBLIC OR WHICH CAN BE DAMAGED SHALL BE RIGID GALVANIZED STEEL.
 - CONTRACTOR TO SUPPLY, INSTALL, CAP AND BURY CONDUITS FOR FUTURE EQUIPMENT. CONTRACTOR SHALL DOCUMENT PLACEMENT OF BURIED CONDUITS. STUB AND CAP AT CONCRETE PAD ABOVE GRADE.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN THE FINAL UTILITY DESIGN. THE FINAL UTILITY DESIGN DOCUMENTS SHALL SUPERSEDE ANY CONFLICTING INFORMATION ON THESE PLANS AND SHALL BE THE PREVAILING INFORMATION FOR PRIMARY CONDUIT AND CONDUCTOR SIZE, QUANTITY, ROUTING, DIVISION OF RESPONSIBILITIES AND SCOPE OF WORK.
 - ALL PROPOSED CONDUITS MUST MEET MINIMUM DEPTH REQUIREMENTS AS OUTLINED IN TRENCH DETAILS, AS WELL AS MAINTAIN A MINIMUM OF 18" VERTICAL AND 12" HORIZONTAL CLEARANCE OF ALL OBSTRUCTION INCLUDING (BUT NOT LIMITED TO) STORM PIPES, SANITARY PIPES, WATER LINES AND OTHER UNDERGROUND UTILITIES.

- PLAN KEYNOTES**
- PROPOSED UNDERGROUND PRIMARY CONDUITS AND CONDUCTORS. COORDINATE WITH UTILITY FOR CONDUIT SIZE, QUANTITY, COMPLETE ROUTING AND PROVIDE ALL LABOR AND MATERIALS AS REQUIRED. SEE GENERAL SHEET NOTE 8, THIS SHEET.



| REV. | DATE | DESCRIPTION |
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| A | 02/04/2025 | ISSUED FOR 30% REVIEW |
| B | 02/19/2025 | ISSUED FOR 90% REVIEW |
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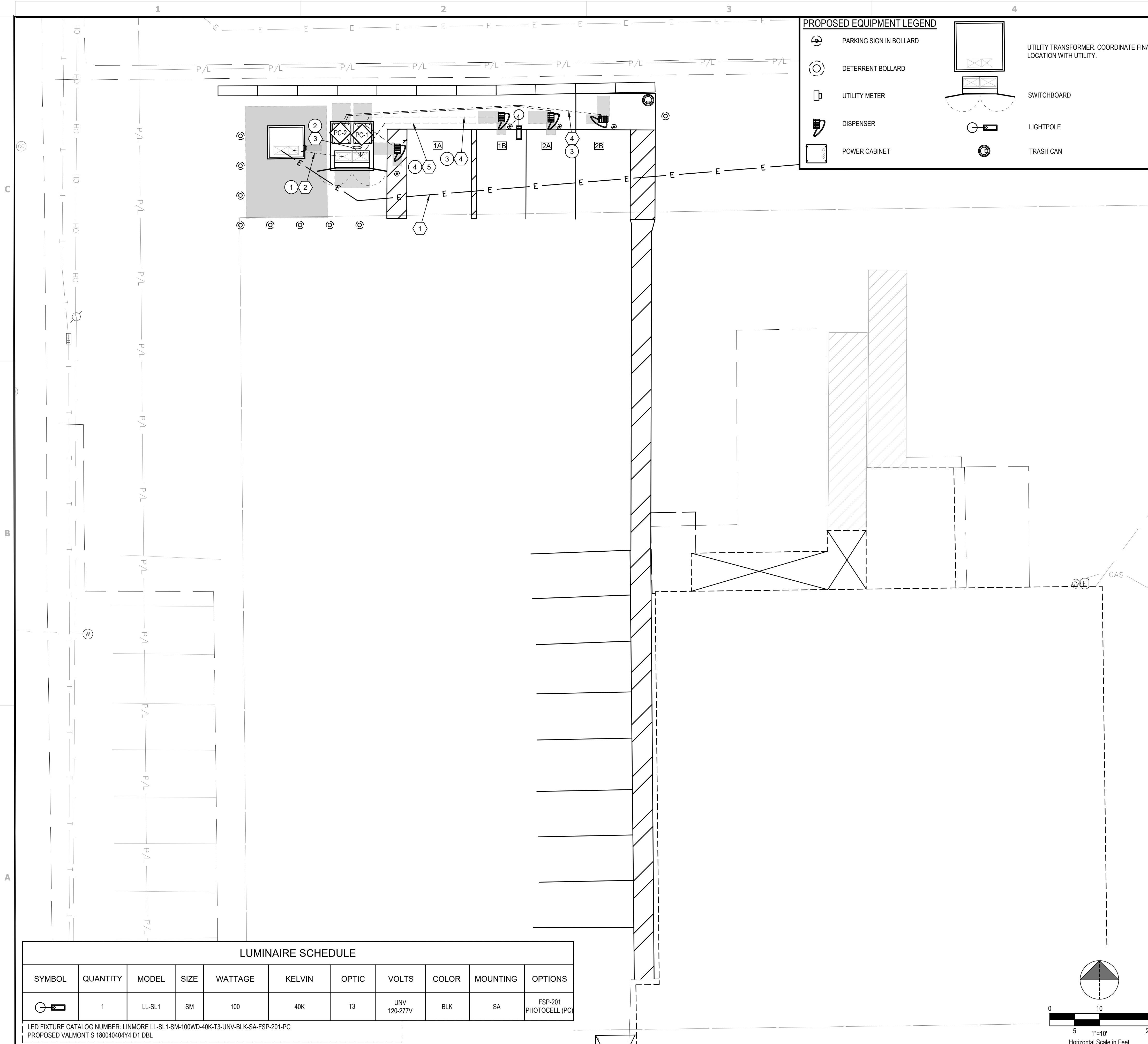
OVERALL ELECTRICAL SITE PLAN

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|-----------------|----------|
| PROJECT MANAGER | DESIGNER |
| IM | JVT |

JOB NO.
2023264.17

E-100

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PROPOSED EQUIPMENT LEGEND

- PARKING SIGN IN BOLLARD
- DETERRENT BOLLARD
- UTILITY METER
- DISPENSER
- POWER CABINET
- UTILITY TRANSFORMER. COORDINATE FINAL LOCATION WITH UTILITY.
- SWITCHBOARD
- LIGHTPOLE
- TRASH CAN

- GENERAL SHEET NOTES**
- THE EXACT ROUTING PATH AND CONDUCTOR RUN LENGTHS SHALL BE DETERMINED BY CONTRACTOR IN FIELD BASED ON PHYSICAL MEASUREMENTS. CONTRACTOR SHALL ORDER CONDUCTORS BASED ON FIELD MEASUREMENTS (MUST BE APPROVED BY RIVIAN PROJECT MANAGER).
 - THE CONDUIT ROUTING SHOWN IS DIAGRAMMATICAL ONLY, CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING PRIOR TO LAYING CONDUIT.
 - CONTRACTOR SHALL REFER TO CIVIL SHEETS FOR EXISTING LANDSCAPING TO REMAIN AND PROPOSED LANDSCAPING.
 - CONTRACTOR SHALL HAND DIG AROUND ALL EXISTING UTILITIES.
 - CONDUIT ELBOWS SHALL BE SIZED PER NEC. CONTRACTOR SHALL VERIFY MANUFACTURER ALLOWABLE FILL AND MINIMUM CONDUCTOR BENDING RADIUS. SEE FEEDER SCHEDULE FOR CONDUIT & CONDUCTOR SPECIFICATIONS.
 - ALL CONDUITS ACCESSIBLE TO THE PUBLIC OR WHICH CAN BE DAMAGED SHALL BE RIGID GALVANIZED STEEL.
 - CONTRACTOR TO SUPPLY, INSTALL, CAP AND BURY CONDUITS FOR FUTURE EQUIPMENT. CONTRACTOR SHALL DOCUMENT PLACEMENT OF BURIED CONDUITS. STUB AND CAP AT CONCRETE PAD ABOVE GRADE.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN THE FINAL UTILITY DESIGN. THE FINAL UTILITY DESIGN DOCUMENTS SHALL SUPERSEDE ANY CONFLICTING INFORMATION ON THESE PLANS AND SHALL BE THE PREVAILING INFORMATION FOR PRIMARY CONDUIT AND CONDUCTOR SIZE, QUANTITY, ROUTING, DIVISION OF RESPONSIBILITIES AND SCOPE OF WORK.
 - ALL PROPOSED CONDUITS MUST MEET MINIMUM DEPTH REQUIREMENTS AS OUTLINED IN TRENCH DETAILS, AS WELL AS MAINTAIN A MINIMUM OF 18" VERTICAL AND 12" HORIZONTAL CLEARANCE OF ALL OBSTRUCTION INCLUDING (BUT NOT LIMITED TO) STORM PIPES, SANITARY PIPES, WATER LINES AND OTHER UNDERGROUND UTILITIES.

- PLAN KEYNOTES**
- PROPOSED UNDERGROUND PRIMARY CONDUITS AND CONDUCTORS. COORDINATE WITH UTILITY FOR CONDUIT SIZE, QUANTITY, COMPLETE ROUTING AND PROVIDE ALL LABOR AND MATERIALS AS REQUIRED. SEE GENERAL SHEET NOTE 8, THIS SHEET.
 - PROPOSED UNDERGROUND SERVICE LATERAL CONDUITS FROM PROPOSED TRANSFORMER TO SWITCHBOARD PER POWER COMPANY REQUIREMENTS. SEE ELECTRICAL DETAILS.
 - PROPOSED CONDUITS FROM SWITCHBOARD TO RIVIAN POWER CABINETS. SEE ELECTRICAL DETAILS.
 - PROPOSED RIVIAN DCFC DISPENSER CONDUITS. UNDERGROUND CONDUITS SHALL BE ROUTED UP THROUGH CONCRETE SLAB. SEE ELECTRICAL DETAILS.
 - PROPOSED CONDUIT FROM SWITCHBOARD TO LIGHT POLE. SEE ELECTRICAL DETAILS.

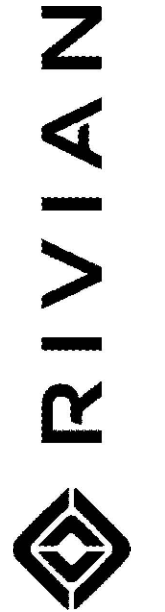
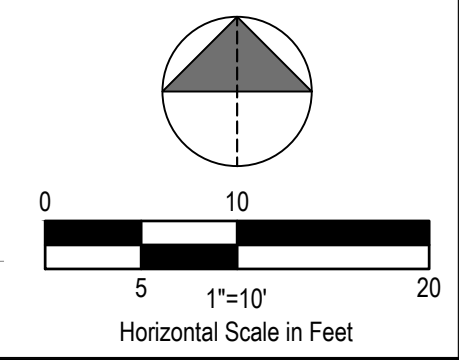
LEGEND

- FEEDER SCHEDULE REFERENCE SEE SHEET E-201 FOR FEEDER/CIRCUIT SCHEDULE
- ELECTRICAL PLAN KEYNOTE

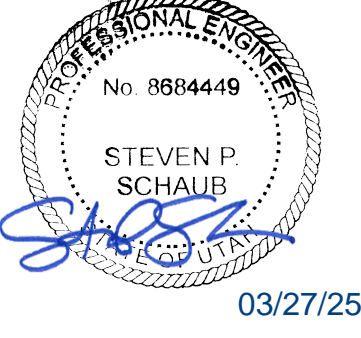
LUMINAIRE SCHEDULE

| SYMBOL | QUANTITY | MODEL | SIZE | WATTAGE | KELVIN | OPTIC | VOLTS | COLOR | MOUNTING | OPTIONS |
|--------|----------|--------|------|---------|--------|-------|--------------|-------|----------|------------------------|
| | 1 | LL-SL1 | SM | 100 | 40K | T3 | UNV 120-277V | BLK | SA | FSP-201 PHOTOCELL (PC) |

LED FIXTURE CATALOG NUMBER: LINMORE LL-SL1-SM-100WD-40K-T3-UNV-BLK-SA-FSP-201-PC
 PROPOSED VALMONT S 180040404Y4 D1 DBL



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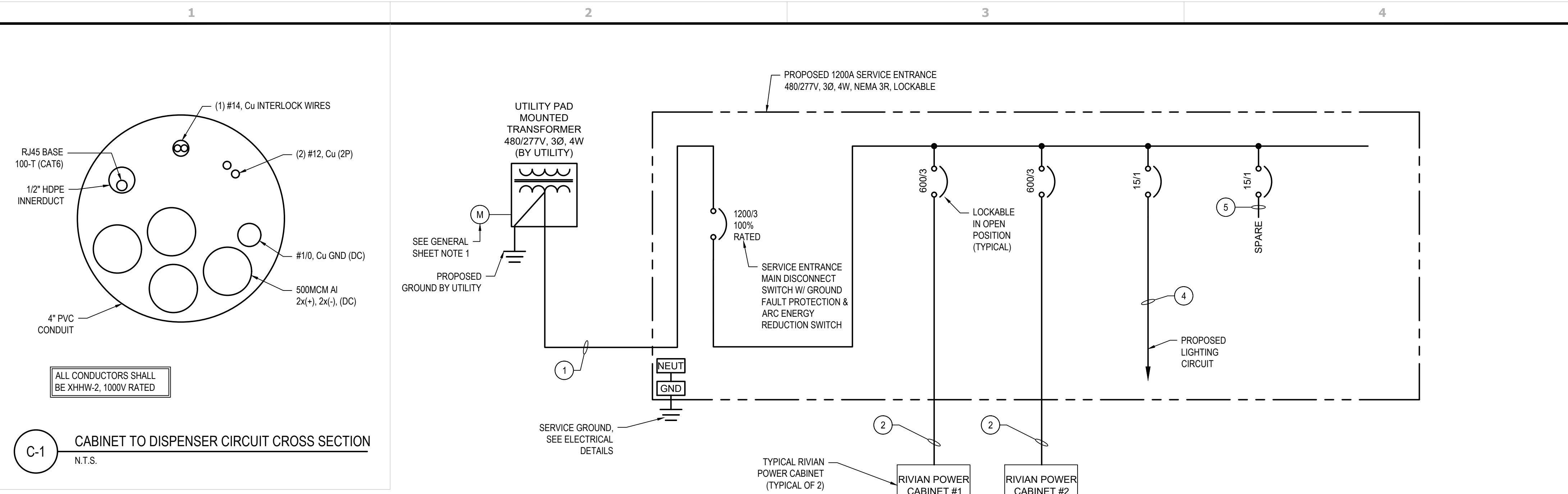
ELECTRICAL SITE PLAN

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|-----------------|----------|
| PROJECT MANAGER | DESIGNER |
| IM | JVT |

JOB NO.
2023264.17

E-101

Drawing Name: O:\2023\202326417 - Monticello, UT\dwg\2023264.17 - Monticello, UT - S&S-.dwg
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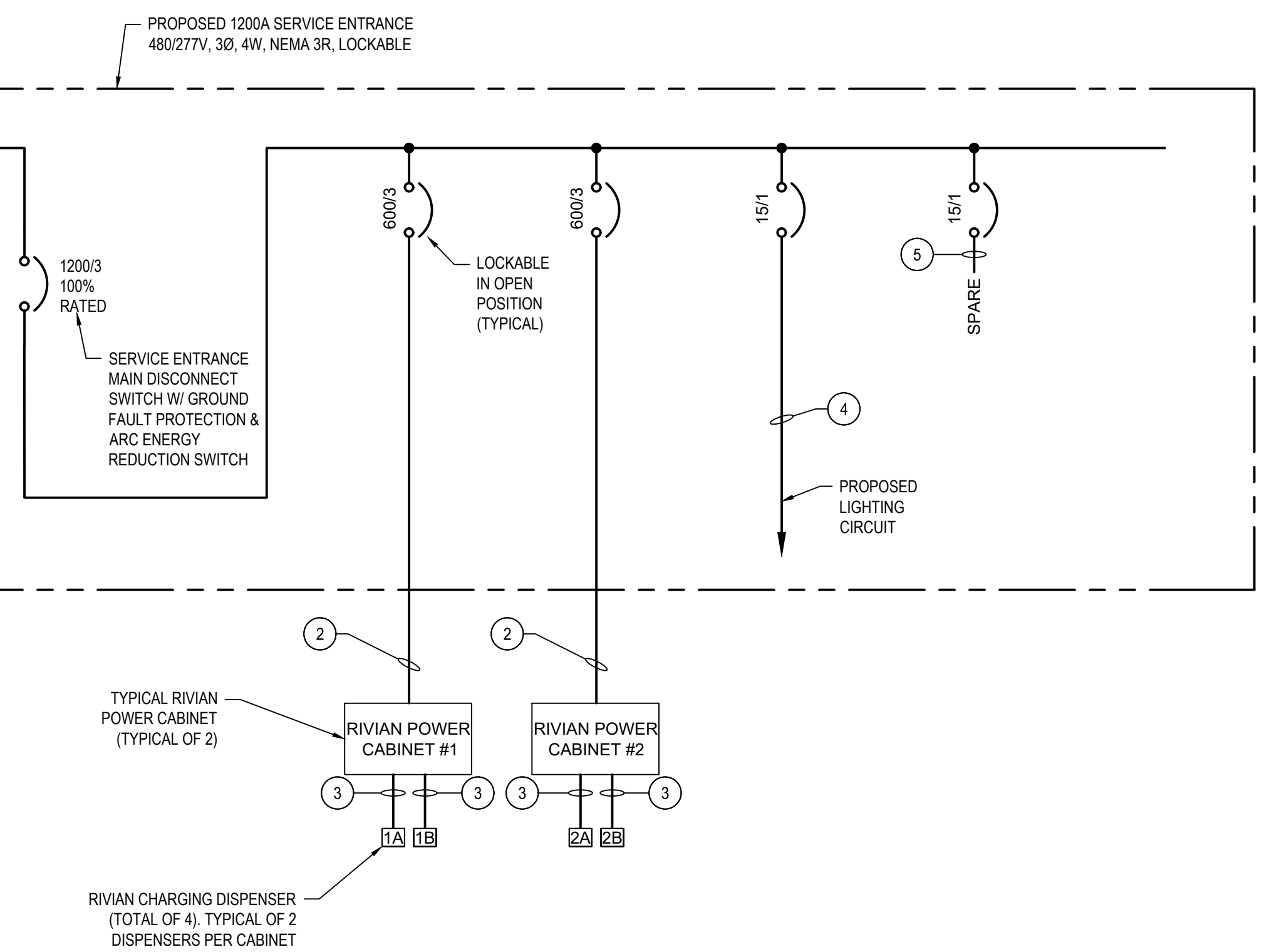


| RIVIAN CABINET & DISPENSER ELECTRICAL SPECS | | | | | | |
|---------------------------------------------|-----------------------------|----------------------|-----------------------------|--------------------------------|--------------------------------|------------------------------|
| EQUIPMENT | AC INPUT VOLTAGE TO CABINET | kVA INPUT TO CABINET | AC INPUT CURRENT TO CABINET | DC OUTPUT VOLTAGE TO DISPENSER | DC OUTPUT CURRENT TO DISPENSER | SHORT CIRCUIT CURRENT RATING |
| POWER CABINETS | 480Y/277VAC | 372.46kVA | 448A | 200VDC - 1000VDC | 500A | 100 kA |

| PANEL 'MDP-1' | | | | | | |
|---------------|--------------|----------------------|-----------------|-------------------------|-------------|--|
| STATUS: | NEW | VOLTAGE: | 480/ 277V 3Ø 4W | RATED FAULT CURRENT: | 65 kAIC | |
| LOCATION: | OUTDOOR | MAINS RATING (AMPS): | 1200 100% RATED | RATING TYPE: | FULLY RATED | |
| SUPPLY: | UTILITY XFMR | BUS RATING (AMPS): | 1200 | MOUNTING: | PAD | |
| ENCLOSURE: | NEMA 3R | MAINS: | MCB | SERVICE ENTRANCE RATED: | YES | |
| | | | | ISOLATED GROUND BAR: | NO | |

| CKT # | DESCRIPTION | LOAD | AMPS/POLES | TOTAL PER PHASE (kVA) | | | AMPS/POLES | LOAD | DESCRIPTION | CKT # | |
|-------------|---------------|--------|------------|-----------------------|--------|--------|-----------------|--------|----------------------|-------|--------|
| | | | | A | B | C | | | | | |
| 1 | | 124.15 | | 248.30 | | | | 124.15 | RIVIAN POWER CABINET | 2 | |
| 3 | | 124.15 | 600/3 | | 248.30 | | 600/3 | 124.15 | RIVIAN POWER CABINET | 4 | |
| 5 | | 124.15 | | | | 248.30 | | 124.15 | | 6 | |
| 7 | SPACE | | | 0.00 | | | | 0.00 | SPACE | 8 | |
| 9 | | | | | 0.00 | | | 0.00 | | 10 | |
| 11 | | | | | | 0.00 | | 0.00 | | 12 | |
| 13 | | 0.00 | | 0.00 | | | | 0.00 | | 14 | |
| 15 | SPACE | 0.00 | | | 0.00 | | | 0.00 | SPACE | 16 | |
| 17 | | 0.00 | | | | 0.00 | | 0.00 | | 18 | |
| 19 | | 0.00 | | 0.00 | | | | 0.00 | | 20 | |
| 21 | SPACE | 0.00 | | | 0.00 | | | 0.00 | SPACE | 22 | |
| 23 | | 0.00 | | | | 0.00 | | 0.00 | | 24 | |
| 25 | | 0.00 | | 0.00 | | | | 0.00 | | 26 | |
| 27 | SPACE | 0.00 | | | 0.00 | | | 0.00 | SPACE | 28 | |
| 29 | | 0.00 | | | | 0.00 | | 0.00 | | 30 | |
| 31 | | 0.00 | | 0.00 | | | | 0.00 | | 32 | |
| 33 | SPACE | 0.00 | | | 0.00 | | | 0.00 | SPACE | 34 | |
| 35 | SPARE | 0.00 | 15/1 | | | | | 0.00 | | 36 | |
| 37 | SITE LIGHTING | 0.28 | 15/1 | 0.28 | | | | 0.00 | | 38 | |
| 39 | | 0.00 | | | 0.00 | | | 0.00 | SPACE | 40 | |
| 41 | SPACE | 0.00 | | | | 0.00 | | 0.00 | | 42 | |
| TOTAL kVA | | | | 248.58 | 248.30 | 248.30 | TOTAL CONN kVA | | | | 745.18 |
| TOTAL AMPS | | | | 897.40 | 896.39 | 896.39 | TOTAL CONN AMPS | | | | 896.31 |
| % UNBALANCE | | | | 0.1% | 0.0% | 0.0% | | | | | |

- PANEL BOARD NOTES**
- CIRCUITS SHALL BE REARRANGED AS REQUIRED TO MAINTAIN THE MOST BALANCED LOADS ON EACH PHASE WITHIN EACH PANEL. PROVIDE TYPED PANEL DIRECTORY MOUNTED PER MANUFACTURERS RECOMMENDATIONS WITH SERVICE EQUIPMENT.
 - CONTRACTOR SHALL COORDINATE WITH THE POWER COMPANY TO DETERMINE MAXIMUM SHORT CIRCUIT AMPS (SCA), AND PROVIDE CALCULATIONS IN ORDER TO PROVIDE PROPERLY RATED EQUIPMENT. PROVIDE LABELS ON ELECTRICAL EQUIPMENT PER NEC 110.16 AND LOCAL JURISDICTION REQUIREMENTS.
 - PER NEC 230.42(A)(1) EXCEPTION 2: THE SUM OF THE TOTAL CONNECTED LOADS (NON-CONTINUOUS LOAD PLUS THE CONTINUOUS LOAD) TERMINATE IN AN OVERCURRENT DEVICE WHERE BOTH THE OVERCURRENT DEVICE AND ITS ASSEMBLY ARE LISTED FOR OPERATION AT 100% OF THEIR RATING, SIZED PER CONNECTED LOAD.



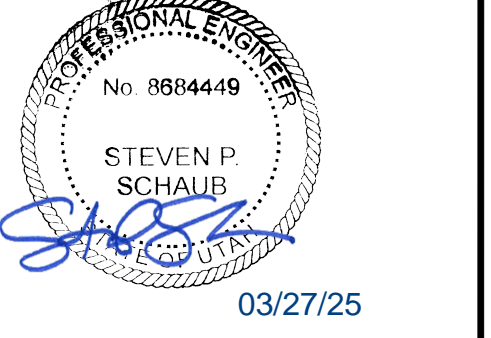
- GENERAL SHEET NOTES**
- PROPOSED UTILITY CTs SHALL BE LOCATED IN UTILITY APPROVED CT COMPARTMENTS MOUNTED IN TRANSFORMER. PROPOSED METER SHALL BE MOUNTED ON TRANSFORMER.
 - ALL ALUMINUM (Al) CONDUCTORS TO RECEIVE ANTI-OXIDATIVE COATING DURING INSTALLATION. ALL OTHER CONDUCTORS ARE COPPER UNLESS NOTED OTHERWISE.
 - ALL CONDUITS ACCESSIBLE TO THE GENERAL PUBLIC OR WHICH CONDUITS CAN BE DAMAGED SHALL BE RIGID GALVANIZED STEEL.
 - ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION.
 - THE AFOREMENTIONED STANDARDS IDENTIFY THE REQUIREMENTS MET THE BY EQUIPMENT, INCLUDING BUT NOT LIMITED TO:
 - PROTECTION AGAINST ELECTRIC SHOCK
 - OVERLOAD AND SHORT CIRCUIT PROTECTION
 - FAULT PROTECTION
 - DEGREES OF PROTECTION AGAINST ACCESS TO HAZARDOUS LIVE PARTS
 - INTERLOCK THAT DE-ENERGIZES THE ELECTRIC VEHICLE CONNECTOR IS UNCOUPLED FROM THE ELECTRIC VEHICLE
 - AUTOMATIC DE-ENERGIZATION OF CHARGING DISPENSER CABLE UPON EXPOSURE TO STRAIN.
 - FEEDER SCHEDULE REFERENCE DENOTED WITH AN ASTERISK "*" REPRESENT PROPOSED CONDUITS W/ PULL-STRING ONLY FOR FUTURE EQUIPMENT TO MATCH CONDUIT SPECIFIED FOR PROPOSED EQUIPMENT.
 - CONTRACTOR SHALL SOURCE COMMUNICATION CABLE THROUGH GENERAL CABLE IF UNABLE TO SOURCE THROUGH CURRENT SUPPLIERS.
 - CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT AT THE SECONDARY OF THE UTILITY TRANSFORMER WITH THE POWER COMPANY. CONDUCT A FAULT CURRENT ANALYSIS TO DETERMINE THE INTERRUPTING CAPACITY (AIC RATING) OF THE ELECTRICAL EQUIPMENT. MARK ON EQUIPMENT AS REQUIRED PER NEC 110.24.
 - CONTRACTOR SHALL PERFORM ARC FLASH CALCULATIONS AS REQUIRED IN THE FOLLOWING: NFPA 70; NFPA 70E; OSHA 29; AND IEEE STANDARDS 1584. CONTRACTOR SHALL OBTAIN ALL NECESSARY INFORMATION FROM POWER COMPANY TO CALCULATE FLASH PROTECTION BOUNDARIES, INCIDENT ENERGY LEVELS, AND SHALL DETERMINE MINIMUM PPE REQUIREMENTS FOR COMPLETING THE WARNING LABELS. PROVIDE WARNING LABELS CONTAINING ALL THE LATEST INFORMATION AS REQUIRED BY LOCAL JURISDICTION, STATE AND FEDERAL CODES AND LAWS.

| FEEDER / CIRCUIT SCHEDULE | |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NO | CONFIGURATION |
| 1 | (4) SETS - EACH IN 4" CONDUIT (3) 500 MCM Al (1) 500 MCM Al NEUT |
| 2 | (1) 4" CONDUIT WITH (2) PARALLEL SETS OF (3) 500 MCM Al (1) #1 AWG Cu GND |
| 3 | (1) 4" CONDUIT WITH (2) PARALLEL SETS OF (2) 500 MCM Al (1) #10 AWG Cu GND (2) #12 AWG Cu (AUXILIARY CIRCUIT) (1) CAT6 CABLE IN 1/2" HDPE INNERDUCT (FUNCTIONALLY ASSOCIATED) (1) #14/2C AWG Cu TP INTERLOCK ARMOR CABLE (FUNCTIONALLY ASSOCIATED) ALL CONDUCTORS IN THIS RUN SHALL BE 1000V RATED. |
| 4 | (1) SET IN 1" PVC CONDUIT (1) #10 AWG Cu (THWN-2) (1) #10 AWG Cu NEUT (THWN-2) (1) #10 AWG Cu GND (THWN-2) |
| 5 | 1" CONDUIT WITH PULL STRING ONLY |

- NOTE:**
- ALL AC CONDUCTORS SHALL BE XHHW-2, 600V RATED, UNLESS NOTED OTHERWISE
 - ALL DC CONDUCTORS SHALL BE XHHW-2, 1000V RATED, UNLESS NOTED OTHERWISE
 - SEE "TRACEWAY AND BOXES" NOTES ON SHEET E-001 FOR CONDUIT USE TYPES FOR ABOVE AND BELOW GRADE APPLICATIONS.



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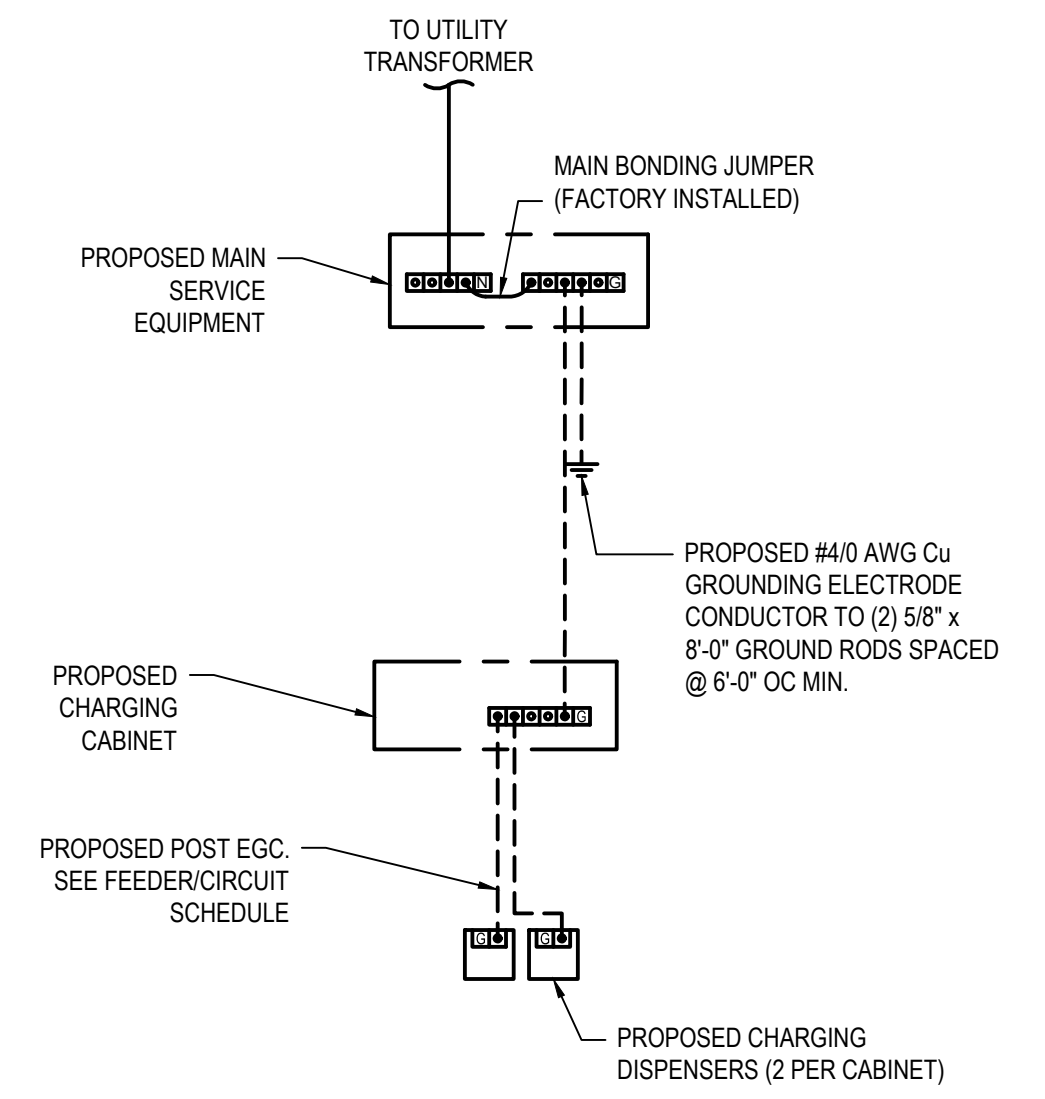
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 64 W. CENTER STREET
 MONTICELLO, UT 84535

SINGLE LINE DIAGRAM AND PANEL SCHEDULE

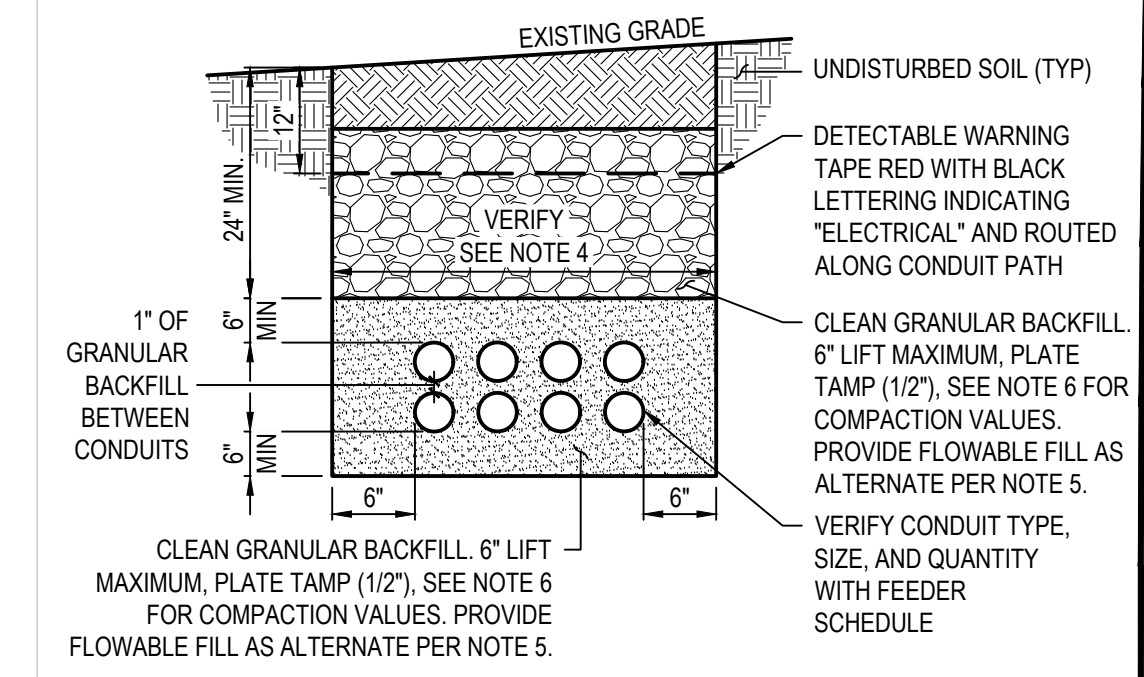
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| PROJECT MANAGER | DESIGNER |
| IM | JVT |

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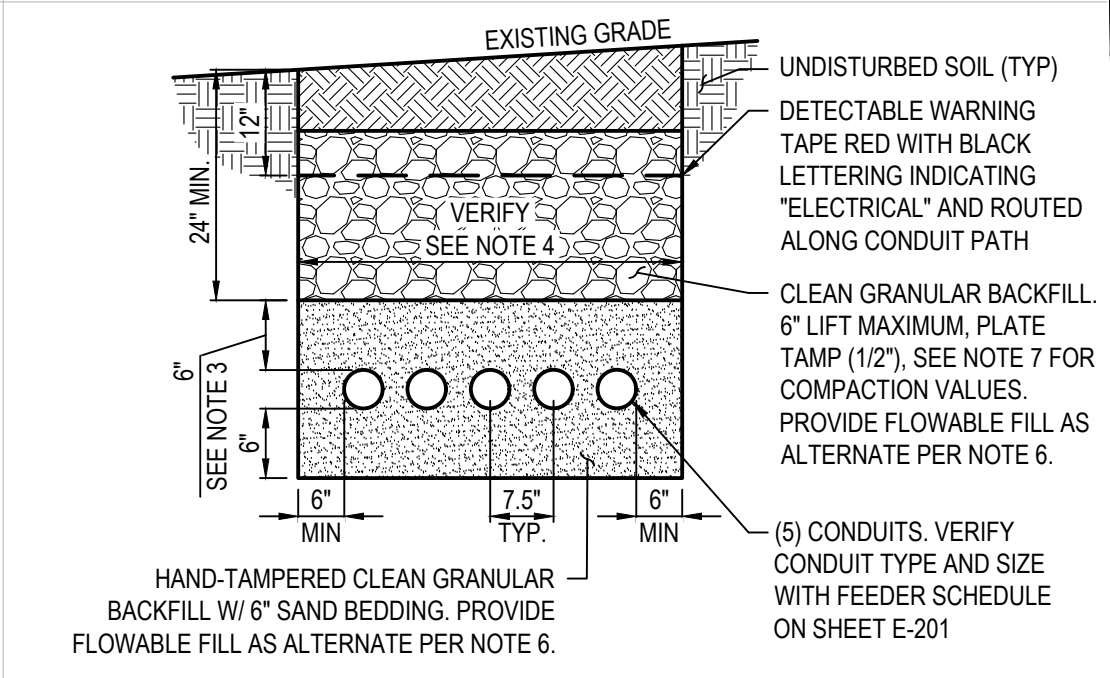


C-5 TYPICAL GROUNDING DIAGRAM
N.T.S.



1. ANY EXCAVATION LEFT OPEN SHOULD BE SECURELY FENCED OFF.
2. ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRECONSTRUCTION CONDITIONS OR BETTER.
3. CONTRACTOR SHALL INSTALL CONDUITS AT A MINIMUM OF 30" BELOW GRADE. SHOULD FIELD CONDITIONS VARY, CONTRACTOR SHALL COORDINATE WITH CONTACT ENGINEER LISTED ON SHEET C-001.
4. VERIFY WIDTH OF TRENCH REQUIRED. REFER TO SITE ELECTRICAL DRAWING ON SHEET E-101 FOR ROUTING.
5. THE CONTRACTOR SHALL FURNISH FLOWABLE FILL WITH A 28 DAY COMPRESSIVE STRENGTH RANGING FROM 50 PSI TO 100 PSI PER THE STATE DEPARTMENT OF TRANSPORTATION'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITION, LATEST REVISION.
6. BACKFILL SHALL BE COMPACTED AND TESTED PER ASTM D4253 AND D4254 TO 80% RELATIVE DENSITY IN PAVEMENT AREAS AND 70% RELATIVE DENSITY IN LANDSCAPING AREAS.
7. BACKFILL SHALL HAVE A RHO VALUE NOT GREATER THAN 90.

B-5 TYPICAL FEEDER TRENCH
N.T.S.



1. ANY EXCAVATION LEFT OPEN SHOULD BE SECURELY FENCED OFF.
2. ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRECONSTRUCTION CONDITIONS OR BETTER.
3. CONTRACTOR SHALL INSTALL CONDUITS AT A MINIMUM OF 30" BELOW GRADE. SHOULD FIELD CONDITIONS VARY, CONTRACTOR SHALL COORDINATE WITH CONTACT ENGINEER LISTED ON SHEET C-001.
4. VERIFY WIDTH OF TRENCH REQUIRED. REFER TO SITE ELECTRICAL DRAWING ON SHEET E-101 FOR ROUTING.
5. VERIFY ALL REQUIREMENTS WITH POWER COMPANY
6. THE CONTRACTOR SHALL FURNISH FLOWABLE FILL WITH A 28 DAY COMPRESSIVE STRENGTH RANGING FROM 50 PSI TO 100 PSI PER THE STATE DEPARTMENT OF TRANSPORTATION'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITION, LATEST REVISION.
7. BACKFILL SHALL BE COMPACTED AND TESTED PER ASTM D4253 AND D4254 TO 80% RELATIVE DENSITY IN PAVEMENT AREAS AND 70% RELATIVE DENSITY IN LANDSCAPING AREAS.
8. BACKFILL SHALL HAVE A RHO VALUE NOT GREATER THAN 90.

A-5 SECONDARY FEEDER TRENCH
N.T.S.

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03/27/25

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ELECTRICAL DETAILS

| PROJECT MANAGER | DESIGNER |
|-----------------|----------|
| IM | JVT |

JOB NO.
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E-301