

CONTRACT, LEASE, AGREEMENT CONTROL FORM

Date: 03/15/2024

Contract/Lease Control #: C24-3959-AP

Procurement#: N/A

Contract/Lease Type: CONTRACT - AGREEMENT

Award To/Lessee: BETA Technologies, Inc.

Owner/Lessor: OKALOOSA COUNTY

Effective Date: 03/12/2024

Expiration Date: 03/11/2029 w/ AUTO RENEWAL (FIVE YRS)

Description of: ELECTRIC VEHICLE CHARGING STATION HOST

Department: AP

Department Monitor: STAGE

Monitor's Telephone #: 850-651-7160

Monitor's FAX # or E-mail: TSTAGE@MYOKALOOSA.COM

Closed: _____

CC: BCC RECORDS

PROCUREMENT/CONTRACT/LEASE
INTERNAL COORDINATION SHEET

Procurement/Contract/Lease Number: ~~F80~~ **C24-3959-AP** Tracking Number: **5014-24**
Procurement/Contractor/Lessee Name: **Beta Technologies, Inc** Grant Funded: YES ___ NO **X**
Purpose: **Electric Vehicle Charging Station Host**
Date/Term: **5yrs w/ 5yr renewals** 1. GREATER THAN \$100,000
Department #: **4220R** 2. GREATER THAN \$50,000
Account #: **344187** 3. \$50,000 OR LESS
Amount: **revenue**
Department: **airport** Dept. Monitor Name: **stage**

Purchasing Review
Procurement or Contract/Lease requirements are met: **DeRita Mason** Date: **11-17-23**
Purchasing Manager or designee: **DeRita Mason, Erin Poole, Amber Hammonds**

2CFR Compliance Review (if required)
Approved as written: **No Federal funds** Grant Name: _____ Date: _____
Grants Coordinator: **Suzanne Ulloa**

Risk Management Review
Approved as written: **see email attached** Date: **2-29-24**
Risk Manager or designee: **Lydia Garcia**

County Attorney Review
Approved as written: **see email attached** Date: **2-28-24**
County Attorney: **Lynn Hoshihara, Kerry Parsons or Designee**

Department Funding Review
Approved as written: _____ Date: _____

IT Review (if applicable)
Approved as written: _____ Date: _____

DeRita Mason

From: Lynn Hoshihara
Sent: Wednesday, February 28, 2024 2:19 PM
To: Allyson Oury; Karen Thomas
Cc: Robert Chad Rogers; 'W. Eric Pilsk'; DeRita Mason; Tracy Stage
Subject: Re: BETA Draft Agreement

This is approved as to legal sufficiency.

Lynn M. Hoshihara
County Attorney
Okaloosa County, Florida

Please note: Due to Florida's very broad public records laws, most written communications to or from County employees regarding County business are public records, available to the public and media upon request. Therefore, this written e-mail communication, including your e-mail address, may be subject to public disclosure.

From: Allyson Oury
Sent: Wednesday, February 28, 2024 3:06:32 PM
To: Karen Thomas; Lynn Hoshihara
Cc: Robert Chad Rogers; 'W. Eric Pilsk'; DeRita Mason; Tracy Stage
Subject: RE: BETA Draft Agreement

Good afternoon, Lynn & Karen -

Attached is the final PDF of the BETA agreement. There have been no additional changes since your last review, other than formatting, adding Attachments A & B and the addition of the last sentence in the first paragraph of Section 14.

We are requesting a quick turn on the official Legal/Risk approval emails so that we can get this signed and on the 3/12 agenda.

Appreciate everyone's help in getting to a document acceptable to both parties.

Let us know if you have any questions.

Allyson Oury, CPA
Airports Chief Financial Officer
Okaloosa County

From: Allyson Oury
Sent: Thursday, February 15, 2024 7:58 AM
To: DeRita Mason <dmason@myokaloosa.com>; Karen Thomas <kthomas@myokaloosa.com>
Cc: Robert Chad Rogers <rrogers@myokaloosa.com>; 'W. Eric Pilsk' <epilsk@kaplankirsch.com>; Lynn Hoshihara <lhoshihara@myokaloosa.com>
Subject: RE: BETA Draft Agreement

DeRita,

DeRita Mason

From: Karen Thomas
Sent: Thursday, February 29, 2024 11:39 AM
To: DeRita Mason
Subject: RE: BETA Draft Agreement

This can serve as approval by Risk Management for insurance purposes with proposed change.

Thank you

Have a safe and Blessed Day!

Karen Thomas

Karen Thomas
Risk Manager
Okaloosa County Risk Management
302 N Wilson Street, Suite 301
Crestview, Fl. 32536
850.689.5978 / 850.758-2790 Cell
KThomas@myokaloosa.com



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From: DeRita Mason <dmason@myokaloosa.com>
Sent: Thursday, February 29, 2024 11:22 AM
To: Allyson Oury <aoury@myokaloosa.com>; Karen Thomas <kthomas@myokaloosa.com>
Cc: Lynn Hoshihara <lhoshihara@myokaloosa.com>; Robert Chad Rogers <rrogers@myokaloosa.com>
Subject: RE: BETA Draft Agreement

Karen,
Can this serve as a risk approval? Or you need to see the updated request below?

DeRita Mason



BOARD OF COUNTY COMMISSIONERS AGENDA REQUEST

DATE: March 12, 2024
TO: Honorable Chairman and Distinguished Members of the Board
FROM: Tracy Stage
SUBJECT: BETA Technologies Electric Charging Station Host Site Agreement (CEW)
DEPARTMENT: Airport
BCC DISTRICT: 1

STATEMENT OF ISSUE: The Airports Department requests approval of the Board for an Electric Vehicle Charging Station Host Site Agreement with BETA Technologies, Inc. (BETA) at Bob Sikes Airport (CEW).

BACKGROUND: The Airports Department was initially approached by BETA in late 2022 with questions about potentially expanding their electric aircraft network at one of the County's airports. Following the initial inquiry, Airports staff also learned that the Air Force's 413th Flight Test Squadron at Duke Field was involved in a project to bring electric aircraft testing to the area utilizing BETA's platform. BETA is an original equipment manufacturer (OEM) of electric aircraft founded in 2017 that is expanding its charging network to support an aeronautical industry termed advanced air mobility (AAM). AAM is defined by the National Aeronautics and Space Administration (NASA) as "an air transportation system that moves people and cargo between places previously not served or underserved by aviation - local, regional, intraregional, urban - using revolutionary new aircraft that are only just now becoming possible." The Florida DOT Aviation Division has a working group on AAM and has published an extensive amount of content on this emerging aviation technology.

In October 2023, BETA landed its all-electric aircraft at Duke Field to begin a contracted deployment period with the US Air Force. BETA's ALIA aircraft, along with its core flight test team, will work with the Air Force's 413th Test Squadron to conduct hands-on training and explore use cases including critical resupply, cargo delivery, and personnel transport. The manned version of ALIA is targeted for FAA certification in 2025.

With the Board's approval of this proposed agreement, BETA will install one (1) DC Fast Charge Commercial Charging Station outfitted to recharge electric vehicles, including BETA's ALIA-250 aircraft, at CEW at no cost to the County. The agreement also would allow BETA to install additional chargers at their expense, with prior written approval from the County. The charger proposed to be installed at CEW is the BETA Cube, which is their latest generation Level 3 fast charger. In addition to the aircraft charger along the north end of the CEW South Apron, there will also be a Level 2 vehicle charger installed land side to service two parking spots for electric car charging at the airport. All electrical infrastructure needed to support the BETA chargers will be funded and installed by BETA.

At the conclusion of each calendar year, BETA will compute the margin of the station, calculated by taking gross revenue less direct utility expenses. No later than March 31st of each

year, BETA will remit 10% of the previous year's station margin to the County for the privilege of installing the station on County Airport property.

The agreement has been fully coordinated with County Legal and Risk Management.

FUNDING SOURCE, (If Applicable): This is a revenue generating agreement.

Department #4220R


Account #344187

Amount \$ To be determined

OPTIONS: Approve, Reject, or Postpone


RECOMMENDATIONS: Approval of the BETA Technologies, Inc. Electric Vehicle Charging Station Host Site Agreement and authorizing the Chairman to sign the agreement.

RECOMMENDED BY:



Tracy Stage, Airport Director 3/5/2024

APPROVED BY:



John Hofstad, County Administrator 3/6/2024

ELECTRIC VEHICLE CHARGING STATION

This Agreement ("Agreement"), effective as of this 12th day of March between BETA Technologies, Inc. ("BETA"), a Delaware corporation, and Okaloosa County ("County"). BETA and the County are each a "Party" to this nonexclusive Agreement or collectively the "Parties."

WHEREAS, the County acknowledges and agrees that it is the fee simple owner of the property located at Bob Sikes Airport ("Host Site").

WHEREAS, BETA has requested to install an electric vehicle charging station at the Host Site as part of BETA's eVTOL Recharging Network ("Project").

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the Parties agree as follows:

Definitions:

DC Fast Charge Commercial Charging Station-

Aircraft Charger- Airside Direct Current Fast Charger (Level 3)

Vehicle Charger- Landside Vehicle Charger (Level 2)

Electric Vehicles- A vehicle that can be powered by entirely an electric motor that draws electricity from a battery and is capable of being charged from an external source.

1. **Term.** The term of this Agreement begins on the Effective Date and ends five (5) years thereafter (the "Initial Term"). Subject to the terms of this Agreement, this Agreement shall renew automatically for an additional five (5)-year period (the "Renewal Term") upon the expiration of the Initial Term, provided that each Party each shall have the right not to renew this Agreement by providing the other Party with written notice of non-renewal at least one hundred eighty (180) days prior to the expiration of the Initial Term. For purposes of this Agreement, "Term" shall be deemed to mean the Initial Term and the Renewal Term, if any.
2. **Equipment.**
 - a. One DC Fast Charge Commercial Charging Station outfitted to recharge electronic vehicles, including BETA's ALIA-250 aircraft, will be provided by BETA for installation at the Host Site under this Project (together with any accompanying utility equipment provided by and/or purchased by BETA, collectively, the "Station"). Product specifications are provided in Attachment A. BETA will choose the shipping method and cover the cost for standard delivery of the Station to the Host Site. BETA shall have the right from time to time to replace, update, or modify the Station, in BETA's sole discretion.
 - b. In addition, BETA may, at its expense add additional chargers and/or charging stations outfitted to recharge electric vehicles ("Additional Chargers"), subject to the request and or demand with prior written approval of the County. Each Party shall have the same rights and obligations concerning the Additional Chargers as they do concerning the Station. For avoidance of doubt, should Additional Chargers be added, then all references to the "Station" in this Agreement shall refer to, collectively, the Station and any Additional Chargers, and all references the "Charging Station Site" in this Agreement shall refer collectively to the site of the Station and any Additional Chargers.
3. **Charging Station Site.**
 - a. The exact location of the Station on the Host Site shall be hereinafter referred to as the "Charging Station Site." In the event the location of the Charging Station Site is not set forth in advance on Attachment B hereto, County and BETA shall promptly work together in good faith to mutually select the Charging Station Site. The Parties may inspect and must approve the Charging Station Site prior to the installation of the Station. The Charging Station Site must provide adequate space for installation and operation per Attachment B. BETA may reasonably modify the Host Site in order to accommodate the proper and safe installation and operation of the Station, subject to County's prior written consent, which shall not be unreasonably withheld, conditioned, or delayed.
 - b. The following plans, specifications, and attachments have been reviewed and approved by the County:
 - i. Attachment B: Site plans and design work
 - ii. Attachment C: Insurance Requirements
4. **Inspection and Installation.** BETA shall be responsible for inspecting the Charging Station Site to determine whether the site conditions are sufficient to support the Station. BETA shall be responsible for the installation of the Station on the

terms and conditions set forth herein, and BETA will select and engage a company (“Installer”) to install the Station at the Host Site at BETA’s cost. Installation of the Station will include the following, as applicable: foundation or pad for the Station; site work for the placement of the Station; and any trenching for wiring and interconnection of the Station to the Host Site electric power network. BETA will be responsible for Charging Station Site validation and Station activation, and final electrical connection of the Station to power and making the Station ready for operation may only be performed by the Installer. The date that the Station is fully connected to electrical power and ready for operation and use shall hereinafter be referred to as the “Station Activation Date”. The Station is not to be removed from its packaging by any person other than the Installer. Some Station protection (bollards, tire stop, curb, or an elevated wall-mount) is required and signage must comply with BETA’s requirements. BETA shall require that the Installer carries commercially reasonable general liability insurance. BETA will not permit nor suffer the filing of any mechanics liens against the Host Site with respect to work performed by or on behalf of BETA and in the event any liens are filed with respect to such work BETA shall promptly cause them to be removed at its own cost and expense. BETA and the Installer shall comply with Applicable Law (defined below) and shall use prudent industry practices during all aspects of inspection, installation, and operation of the Station. It is expressly understood that Beta may not install or cause to be installed the Station until the FAA has issued a Determination of No Hazard pursuant to 14 C.F.R. Part 77 and approved a revised Airport Layout Plan showing the Station.

5. Utilities.

- a. As part of BETA’s installation of the Station, BETA will at its sole cost and expense bring or arrange to be brought electric utility service to the Charging Station Site sufficient to operate the Station, as reasonably determined by BETA. County will cooperate in good faith to permit BETA to bring electric utility service to the Charging Station Site, provided that the bringing of such electric utility service to the Charging Station Site does not cause damage to the Host Site or interfere with County’s airport operations at the Host Site. Except for the Station or any Additional Chargers provided by Beta pursuant to the terms of this Agreement, neither County nor any third party shall be permitted to install any other electric vehicle charging station on the BETA furnished transformer without the prior written consent of BETA.]
- b. BETA shall be responsible for the actual cost of the electrical current used by the Station, including without limitation, all costs, fees, rates, charges (including demand charges) charged by the electric utility provider.

6. Access to Host Site and Station. The County shall at all times provide adequate physical and technological access of the Station to BETA and the Installer consistent with the purpose of the Project. BETA or the Installer shall use commercially reasonable efforts to give the County a minimum of 48 hours’ notice prior to conducting any visit to the Host Site; however, factors outside of BETA’s or the Installer’s control may not always permit this advance notice, in which case BETA or the Installer shall provide notice to the County as soon as reasonably practicable.

7. Network Access. BETA will provide to County a BETA Network subscription for use with the Station provided by this Project, which subscription commences on the Station Activation Date and will expire upon the expiration or termination of this Agreement. The County agrees at all times during the term of this Agreement to not interfere with the Station’s connection to the BETA Network, and County’s use of the BETA Network shall at all times be in accordance with any terms or conditions imposed by BETA or any operator of the BETA Network. If County violates any such terms or conditions, BETA may, at its option, terminate County’s BETA Network subscription.

8. Access to Information. County acknowledges that BETA will be collecting Station usage data and charge event information, including, without limitation, when a charge event occurs, energy transferred during the charge event, duration of the charge event, and duration of the charging period (collectively “Data”). County acknowledges that the Data may be used by BETA in accordance with Applicable Law for any reasonable purposes, including, without limitation, analyzing usage and charging patterns, the effectiveness of infrastructure put in place to meet the needs of drivers of electric vehicles, and the efficacy of the Project. BETA shall not disclose any personal information identifying any third party who may utilize the Station, unless required by law.

9. Operation and Maintenance. County shall take all commercially reasonable measures to ensure the Charging Station Site and the Station are kept secure, reasonably free of debris, and cleared of any obstructions impeding access to the Station or the Charging Station Site (collectively, the “County Maintenance Obligations.”). Site Operator shall promptly notify BETA of any Station malfunction known to County in order that BETA may arrange for the repair of any non-functioning charging port on the Station. The responsibility of maintaining and repairing the Station, and the costs thereof, shall be the responsibility of BETA, except as otherwise set forth herein. County shall not attempt any maintenance or repair of the Station unless directed or approved of in advance by BETA.

10. Publicity. County shall provide BETA the right, in accordance with Applicable Law, to take, use and publish photographs of the Station and the Charging Station Site, as well as any information related to the Project, which may be included on printed materials or posted on websites. BETA will not use County’s name or logo without the prior written consent of

County. Neither Party shall issue any press release or cause to be published any article regarding this Agreement or the Station without the prior written consent of other party. Notwithstanding the foregoing, the Parties understand that the Host Site is a public-use airport and, as such, documents received or prepared for use in connection with the transaction of public or governmental business or that contain information relating to the transaction of public or governmental business by County may be considered generally as a "public record" and susceptible to inspection and copying by the public.

11. Public Records. BETA will comply with Florida Statute Chapter 119. This statute addresses public records requirements and includes the following mandates for applicable parties:

- a. Keep and maintain public records required by the County under this Agreement.
- b. Upon request from the County's custodian of public records, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
- c. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Agreement term and following completion of the Agreement if contractor does not transfer the records to the County.
- d. Upon completion of the Agreement, transfer, at no cost, to the County all public records in possession of the contractor or keep and maintain public records required by the County to perform the service. If contractor transfers all public records to the County upon completion of the Agreement, BETA shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If contractor keeps and maintains public records upon completion of the Agreement, contractor shall meet all applicable requirements for retaining the public records. All records stored electronically must be provided to the County, upon the request from the County's custodian of public records, in a format that is compatible with the information technology systems of the County.

IF BETA HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO BETA'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT OKALOOSA COUNTY RISK MANAGEMENT DEPARTMENT 302 N. WILSON RD., CRESTVIEW, FL 32536 PHONE: (850) 689-5977 riskinfo@myokaloosa.com.

12. Ownership. BETA shall at all times retain title and fee simple ownership to the Station, and County hereby expressly waives any and all statutory liens or any other liens which County may have or otherwise acquire by law with respect to the Station. County hereby provides BETA with a license to use the Charging Station Site for the Station and the non-exclusive right to use such other portions of the Host Site as may be necessary from time to time for (i) ingress and egress to the Charging Station Site by BETA and its employees, agents, contractors, invitees, and customers, and the Installer; (ii) installation, maintenance, repair, replacement, and/or removal of the Station; and (iii) any other purposes necessary to effectuate the purposes contemplated in this Agreement. BETA shall have the right, in its sole and absolute discretion, at any time to remove or replace the Station. All access to the Charging Station Site shall require prior coordination with the County.

13. No Right to Remove, Move or Sell the Station. The Station may not be sold, encumbered, retired, disposed of, removed or moved by County from its place of installation, without the prior written consent of BETA. Upon termination of this Agreement, if BETA fails to remove the Station from the Host Site within ninety (90) days of termination, County reserves the right to have the Station removed and seek reimbursement from BETA of all costs incurred by County relating to such removal.

14. Failure to Comply with Terms of Agreement. In the event that either Party fails to comply with any term in this Agreement, the other Party may provide written notice of the breach and request that it be cured in order to comply with the Agreement terms. If the breaching Party does not cure the breach within thirty (30) calendar days after receiving written notice thereof, the nonbreaching Party shall have the right to (i) cure such breach, and be reimbursed for the

reasonable costs incurred by the nonbreaching Party with respect to such cure, or (ii) terminate this Agreement and remove the Station. The rights and remedies of the nonbreaching Party set forth herein shall expressly survive the termination of this Agreement. In the event BETA terminates this Agreement as the result of an uncured County Breach, County shall pay to BETA, within thirty (30) days of BETA's written request, an amount equal to the unamortized amount of all of BETA's actual costs with respect to the installation of the Station (including, without limitation, any infrastructure or utility improvements necessary for the installation of the Station), and any other costs and expenses incurred by BETA in connection with the termination of the Agreement, including, without limitation, costs associated with removal of the Station. For purposes of the preceding sentence, BETA's actual costs for the installation of the Station shall be amortized on a straight-line basis over the Initial Term of this Agreement. Following infrastructure installation, BETA will provide the County an itemized cost of station install including infrastructure and equipment.

In the event that BETA fails to comply with any term in this Agreement ("BETA Breach"), County may provide written notice of the BETA Breach to BETA and request that BETA cure the BETA Breach in order to comply with the Agreement terms. If BETA does not cure a BETA Breach within thirty (30) calendar days after receiving written notice thereof from County (provided, however, if the nature of the BETA Breach is such that more than thirty (30) calendar days are reasonably required to cure, then such default shall be deemed to have been cured if BETA commences efforts to cure and thereafter diligently completes the cure in a reasonable time), County's sole and exclusive remedy shall be to terminate this Agreement and BETA shall thereafter remove the Station within sixty (60) days after the date of such termination.

15. **Liability.** BETA shall indemnify Okaloosa County Board of County Commissioners, and its officers, directors, agents and employees to the fullest extent allowed by law from and against any and all demands, claims, losses, damages, liability, costs, expenses (including the payment of attorneys' fees and costs actually incurred, judgments or obligations, fines, penalties, assessments, actions or causes of action whatsoever ("Losses") to the extent arising from or in connection with BETA's use of the Station or BETA's obligations pursuant to Section 21 (Surrender); any inaccuracy in any of the representations or warranties made by BETA in this Agreement; any breach or nonfulfillment of any of the covenants, obligations or agreements made by BETA in this Agreement; or the negligence or willful misconduct of BETA, its agents, employees, representatives, or contractors.

County shall indemnify BETA and its officers, directors, agents and employees to the fullest extent allowed by law from and against any and all Losses to the extent arising from or in connection to the negligence or willful misconduct of County, its agents, employees, representatives, or contractors. Nothing herein shall be construed as a waiver of County's sovereign immunity under section 768.28, Florida Statutes.

NOTWITHSTANDING ANYTHING HEREIN TO THE CONTRARY, IN NO EVENT SHALL EITHER PARTY OR ITS REPRESENTATIVES BE LIABLE TO THE OTHER PARTY, WHETHER IN CONTRACT, TORT OR OTHERWISE, FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, INCLUDING DAMAGES CALCULATED BASED ON LOST PROFIT OR REVENUES, ARISING OUT OF OR UNDER THIS AGREEMENT. NOTWITHSTANDING ANY PROVISION HEREIN TO THE CONTRARY, WITH RESPECT TO LOSSES FOR WHICH INSURANCE COVERAGE IS AVAILABLE, EACH PARTY EXPRESSLY WAIVES ANY AND ALL RIGHTS OF RECOVERY FROM THE OTHER PARTY WITH RESPECT TO SUCH LOSSES.

16. **No Amendment or Modification.** No modification, amendment or waiver of this Agreement shall be effective unless in writing and either signed by, or electronically accepted by affirmative action of, BETA and the County.
17. **Waiver.** Either Party's failure at any time to require the other Party's performance of any obligation under this Agreement will in no way affect the full right to require such performance at any time thereafter. Either Party's waiver of a breach of any provision of this Agreement will not constitute a waiver of the provision itself. Either Party's failure to exercise any of its rights provided in this Agreement will not constitute a waiver of such rights. No waiver will be effective unless in writing and signed by an authorized representative of BETA or the County. Any such waiver will be effective only with respect to the specific instance and for the specific purpose given.
18. **Applicable law.** This Agreement will be construed, and performance will be determined, according to the laws of the State of Florida without reference to such state's principles of conflicts of law. Installation of the Station, and its operation, will be conducted in compliance with all local, state and federal laws and regulations. The Parties agree that any claims or actions initiated pursuant to this Agreement may only be brought in the State of Florida.
19. **Assignment.** Neither Party may assign any of its rights or obligations under this Agreement, whether by operation of law or otherwise, without the prior written consent of the other Party, which such consent shall not be unreasonably withheld. Any successor or assign must agree in writing to the terms of this Agreement prior to any assignment of this Agreement.

- 20. Priority.** To the extent of any conflict or inconsistency between the terms and conditions of this Agreement and any other Project document, this Agreement shall prevail.
- 21. Surrender.** At the end of the Term BETA will remove the Station, including its concrete foundations. BETA will surrender the Charging Station Site in a clean and neat condition, including backfilling any holes with dirt and re-seeding the Charging Station Site with grass, if applicable. BETA shall have no obligation to remove any buried conduit or wiring, or remove any electrical power service provided to the Charging Station Site. It is understood that the transformer and upstream utility infrastructure would remain on the Host Site and not be disturbed during demolition or restoration of the Charging Station Site, unless otherwise required by the utility company. This Section 21 shall survive the termination of the Agreement.
- 22. Project Requirements.** This Agreement is subject to the following requirements:
- a. Prior to installation of the Station, BETA must procure:
 - i. To the extent applicable, a letter of approval for the design package from the governmental authorities having jurisdiction over the Charging Station Site and Station.
 - ii. A Determination of No Hazard from the Federal Aviation Administration pursuant to 14 C.F.R. Part 77 and FAA Order 7400.2P, as either may be amended. BETA is solely responsible for filing the necessary form(s), such as FAA Form 7460, to request FAA review of the installation and operation of the Station.
 - b. As part of the Station installation and provisioning, the BETA must collaborate with the Installer to obtain:
 - i. Approval from local agencies of the installation prior to provisioning, and
 - ii. Certification by BETA of at least one (1) officer or designee of County that he/she has been trained in the proper and safe operation, care, and use of the Station.
 - c. See also Attachment C – General Services Insurance Requirements.
 - d. County shall permit BETA signage at the Charging Station Site and reasonable wayfinding signage at certain approved locations on the Host Site for purposes of consumers locating the Station.
 - e. BETA will cooperate with the County to obtain the Federal Aviation Administration’s approval of any changes to the Airport Layout Plan.
- 23. Margin Sharing.** At the conclusion of each calendar year, BETA will compute the margin of the Station. This will be calculated by BETA’s gross revenue from the Station minus BETA’s direct utility expenses from the utility provider for the Station (collectively the “Station Margin”). Expenses such as depreciation, insurance, and marketing will not be included in the Station Margin calculation. During the Term, BETA will provide payment by March 31st of the current year to County equal to 10% of the Station Margin actually received for the Station in the prior year (the “Margin Sharing Payment”).
- 24. Right to Audit.** During the term of this Agreement, County may audit BETA’s Station Margin calculation specific to this Station. The audit rights are limited to expense and revenue records for the Station covered by this Agreement for the purpose of Station Margin calculation set forth in this Agreement.
- 25. Mutual Confidentiality.** Subject to Section 11 (“Public Records”), neither Party to this agreement shall disclose to any third party any confidential or non- public information related to either Party, the Project, or the Station, unless (i) the disclosure of such information is legally required, or (ii) the other Party provides prior consent. For the purposes of this Section, the existence and terms of this Agreement shall not be considered confidential information.
- 26. Severability.** If any term or provision of this Agreement is held invalid, illegal, or incapable of being enforced by any rule of law or public policy, all of the other conditions and provisions of this Agreement will nevertheless remain in full force and effect, so long as the economic or legal substance of the transactions contemplated hereby is not materially and adversely affected. Upon such determination that any term or provision is invalid, illegal or incapable of being enforced, the Parties hereto will negotiate in good faith to modify this Agreement so as to reflect the original intent of the Parties as closely as possible in an acceptable manner to the end that the transaction contemplated hereby is fulfilled to the extent possible.
- 27. Notices.** To be effective under this Agreement, written notice by the Parties shall be sent to the addresses set forth below by hand, recognized national overnight delivery service, or by certified mail, return receipt requested. Any such notice shall be deemed to be given to and received by the party intended to receive such notice (a) when delivered, if hand delivered, (b) one (1) day after being deposited with a nationally recognized overnight delivery service, or (c) three (3) days after such notice shall have been deposited, postage prepaid, to the United States mail, certified, return receipt requested, properly addressed to the addresses for notices set forth below. If delivery of any such notice is rejected or

refused or if the courier, overnight delivery service or U.S. Postal Service is unable to deliver the same because of changed address of which no notice was given, such notice shall be deemed given and effective on the first date of such rejection, refusal or inability to deliver. In the event of a change of address by either Party, such Party shall give written notice thereof in accordance with the foregoing.

As to BETA:

BETA Technologies, Inc.
1150 Airport Drive
South Burlington, Vermont 05403

As to the County:

Tracy Stage, A.A.E
Airports Director
Okaloosa County Airports
1701 State Rd 85 N
Eglin AFB, FL 32542-1498
tstage@myokaloosa.com
Office: 850-651-7160 Ext. 4
Cell: 850-585-7086

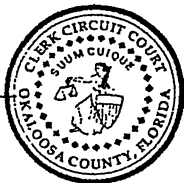
- 28. Compliance with Law.** BETA shall comply with all current and future Airport rules and regulations, minimum standards, and all applicable federal, state, and local rules and regulations (collectively, "Applicable Law"). This Agreement is, and shall be, subordinate to the provisions of existing and future agreements between County and the United States relative to the operation or maintenance of the Airport, the execution of which has been, or may be required as, a condition precedent to the obtaining or expenditure of federal funds for the benefit of the Airport, including but not limited to the terms of any "Sponsor's Grant Assurances" or like agreement that has been or may be furnished by the County to the United States, its boards, commissions, or agencies, including without limitation the Federal Aviation Administration. BETA shall abide by the requirements of agreements entered into between the County and the United States, as applicable, and shall consent to amendments and modifications of this Agreement if required by such agreements or assurances or if required as a condition of the County's entry into such agreements. In the event that the County, through its Airports Director, reasonably determines that this Agreement or any provision contained herein causes or may cause a violation of any agreement between the County and the United States, the County shall have the unilateral right to modify this Agreement, or if modification is not possible, to terminate this Agreement, to ensure the County's compliance with all such agreements with the United States.
- 29. Miscellaneous.** This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, and all of which taken together shall constitute one single agreement binding upon the Parties. The Parties further agree that this Agreement (and any and all attachments attached hereto) constitute and contain the sole and entire agreement of County and BETA, and prior oral or written representations, inducements, expectations, promises or agreements between County and BETA not specifically set forth in this Agreement shall be of no force or effect. No modification or amendment of this Agreement shall be binding upon the Parties unless such modification or amendment is in writing and signed by the Parties.

[Signature page follows]

ATTEST:

[Handwritten Signature]

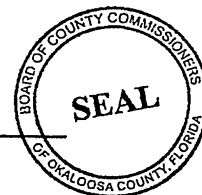
J.D. Peacock II
Clerk of Circuit Court



County

OKALOOSA COUNTY

By: *[Handwritten Signature]*
(Signature)



Name: Paul Mixon

Title: Chairman, Board of County Commissioners

Date: 3/12/2024

BETA TECHNOLOGIES, INC.

By: *[Handwritten Signature]*
(Signature)

Name: Sam Hobbs

Title: Business Dev - Charge

Date: 3/5/2024

WITNESSES:
[Handwritten Signature]

Witness 1 Signature

Scot Swanborn
Witness 1 Printed Name

69 Tivid Hill Rd, Shelburne, VT 05482
Witness 1 Address

[Handwritten Signature]
Witness 2 Signature

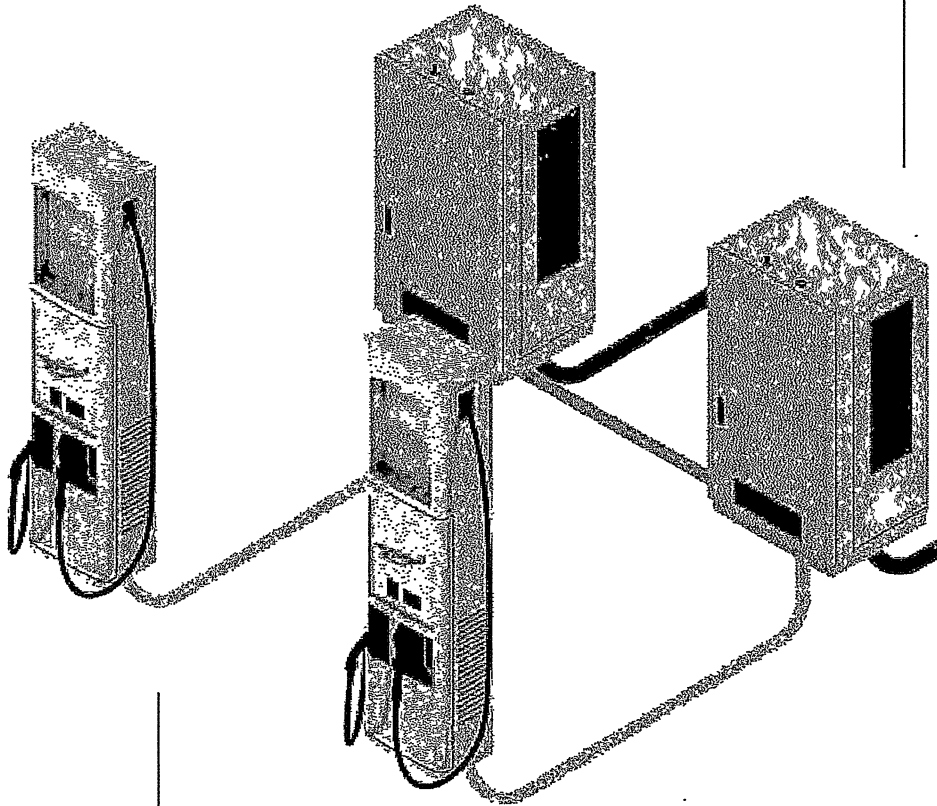
Christopher Miller
Witness 2 Printed Name

101 Lake Lane Corroton, GA 30117
Witness 2 Address

BETA 350kW DCFC Charging System

DCFC Power Boxes ⚡

Power Rating	350 kW (two 200kW power cabinets connected in parallel to add up power output from both units)
Number of Power Engines	8 (4 from each power cabinet)
Input Power	480VAC, 3-Phase
Input Power AC Current (FLA)	2 x 264 A
Power Stage Efficiency Rating	> 92% (Full Load)
Max. Out DC Current up to 920 VDC	432 A
Max. Out DC Current up to 500 VDC	500 A
Max. Output DC Voltage	50 - 950 VDC
Max # of Dispensers	2
Dimension & Weight	42"W x 35"D x 82"H, 1900 lbs



DCFC Dispensers ⚡

Connectors	CHAdEMO	SAE CCS1 (Liquid Cooled)
Rated Output Current	200 A	350 A
Max DC Voltage (VDC)	500 V	950 V
Output Power	350 kW max	
Input Power (Auxiliary)	120 VAC	
Input Current (Auxiliary)	21 A (FLA)	
Breaker Size	30 A	
Network	OCPP 1.5/1.6, BTCP Network	
Dimension & Weight	22"W x 15"D x 97"H, 600 lbs	

Environmental & Compliance System

ETL Listed for USA and Canada: UL 2202, UL 2231, UL50E, NEC Article 625, CSA STD C22.2 No. 107.1 FCC Part 15 Class A
 Ambient Condition -30 °C to +50 °C, 95% Humidity, 6000 ft Altitude. NEMA 3R

Optional

ISO 15118:2014
 Apple & Android Pay (based on network provider)

Standard

Dynamic Power Allocation in 50kW increments
 System available in 1 or 2-dispenser configuration
 Payment types: CC, RFID (OCPP Network Enabled)
 15" Outdoor Color Display
 Connector Configuration: Dual CCS1, CHAdEMO, and CCS1

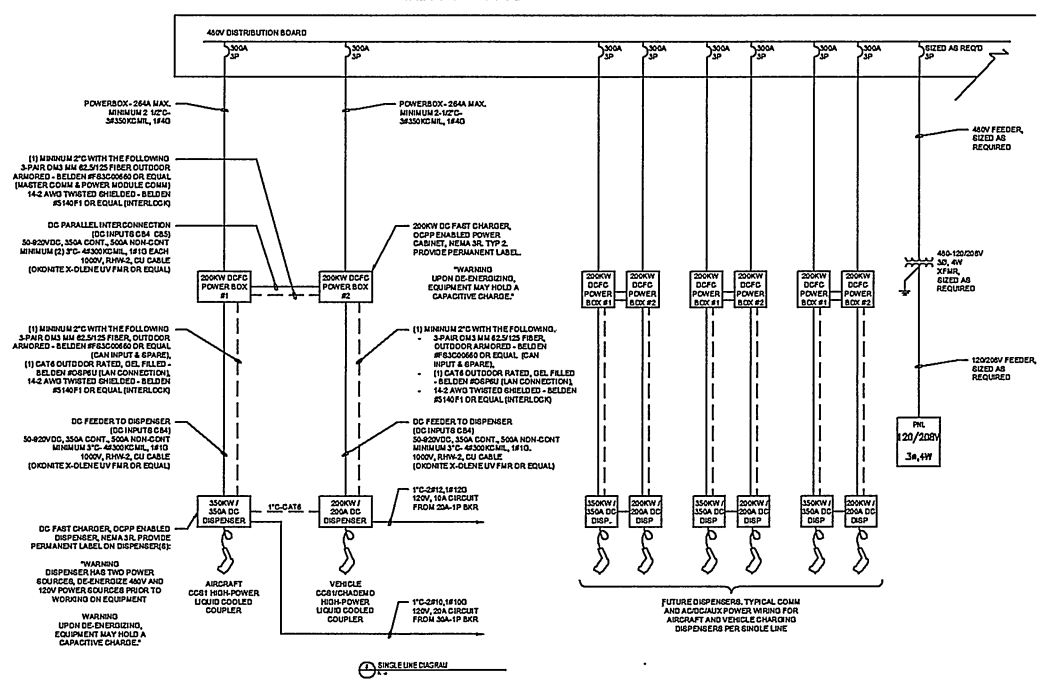
BETA 350kW DCFC Charging System

Electrical Drawings

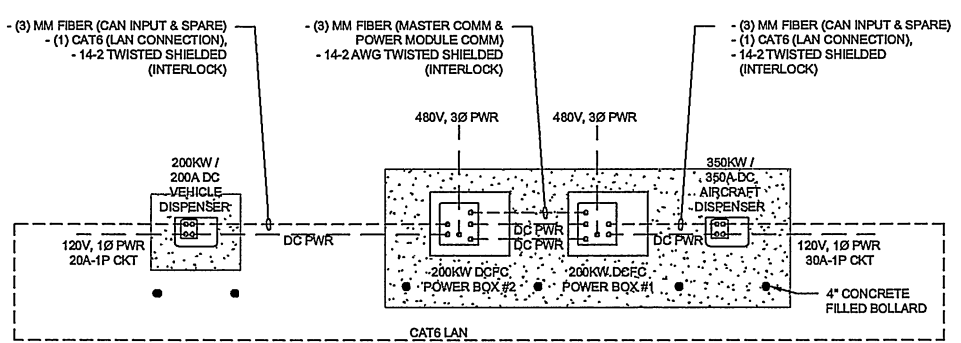
Single Line Diagram

NOT FOR CONSTRUCTION

CIRCUIT NO.	DESCRIPTION	1.1 CIRCUIT	1.2 DISCONNECT	1.3 BREAKER	1.4 NOTES
1	300A 3P	300A			
2	300A 3P	300A			
3	300A 3P	300A			
4	300A 3P	300A			
5	300A 3P	300A			
6	300A 3P	300A			
7	300A 3P	300A			
8	300A 3P	300A			
9	300A 3P	300A			
10	300A 3P	300A			
11	300A 3P	300A			
12	300A 3P	300A			
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15	300A 3P	300A			
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29	300A 3P	300A			
30	300A 3P	300A			
31	300A 3P	300A			
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98	300A 3P	300A			
99	300A 3P	300A			
100	300A 3P	300A			



Dispenser Site Layout



6 ELECTRICAL SITE LAYOUT - 2 DISPENSERS (X3 FOR 6 TOTAL)

NOT FOR CONSTRUCTION

BETA 350kW DCFC Charging System

Electrical Drawings

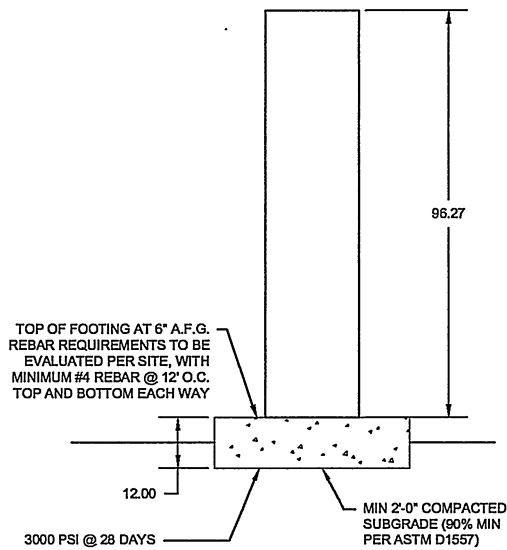
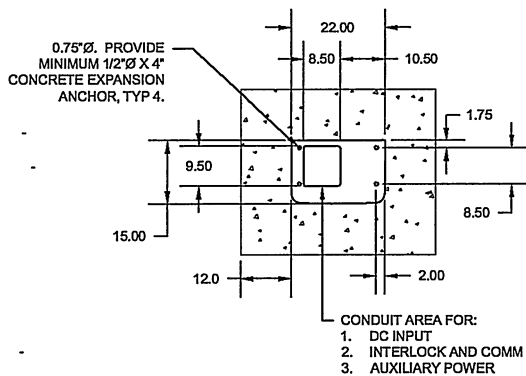
Dispenser Mounting

Power Box Mounting

NOT FOR CONSTRUCTION

DCFC DISPENSER NOTES:

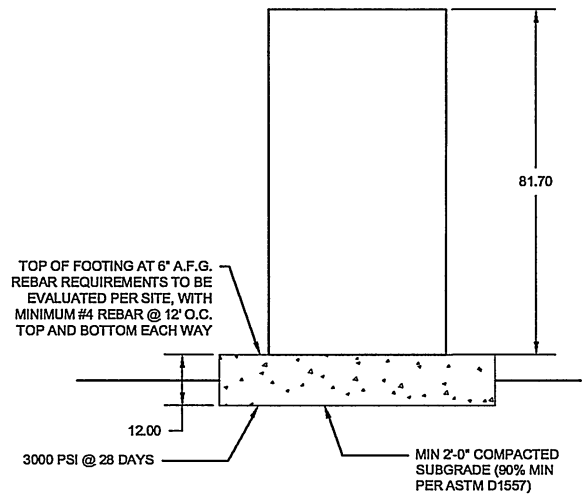
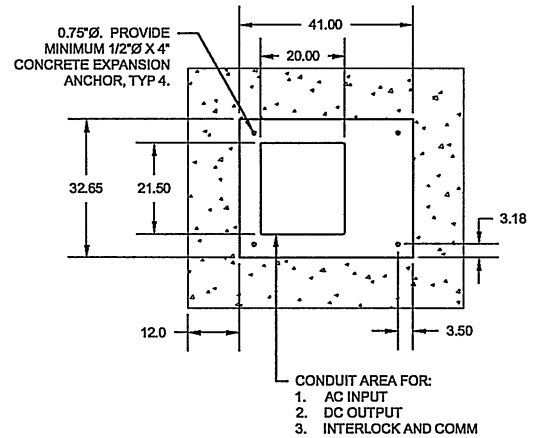
1. VERIFY DIMENSIONS WITH MANUFACTURER PRIOR TO PAD INSTALLATION. PAD SHALL EXTEND MINIMUM 12" PAST EACH EDGE OF EQUIPMENT.
2. ESTIMATED SHIPPING WEIGHT = 600 LBS.



3 MOUNTING DETAIL - DCFC DISPENSER
12-51-17

DCFC POWER BOX NOTES:

1. VERIFY DIMENSIONS WITH MANUFACTURER PRIOR TO PAD INSTALLATION. PAD SHALL EXTEND MINIMUM 12" PAST EACH EDGE OF EQUIPMENT.
2. ESTIMATED SHIPPING WEIGHT = 1900 LBS.



1 MOUNTING DETAIL - DCFC POWER BOX
12-51-17

BETA 350kW DCFC Charging System

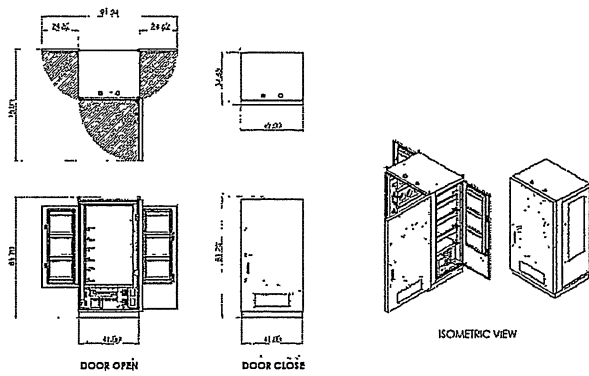
Electrical Drawings

Power Box Plans

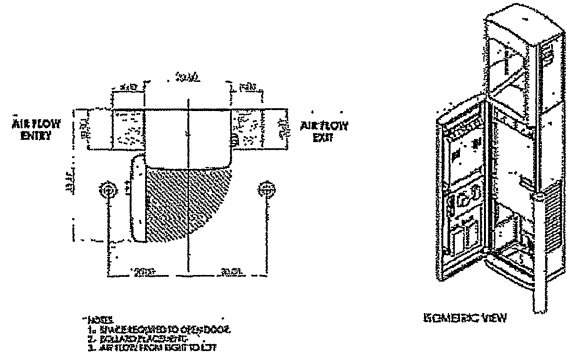
NOT FOR CONSTRUCTION

Clearance surrounding the unit must be considered for proper ventilation and service accessibility. Refer to the installation drawings as illustrated below.

Power Box / Tower Installation Drawing



Dispenser Installation Drawing



4.2.2. Tower and Dispenser Mounting

Both the Tower and Dispenser must be fixed on a concrete pad using four (4) 3/8" x 4" (F/N) #8-3630) concrete expansion bolts or as determined appropriate by the structural engineer in charge.

Make sure to check local codes for compliance.

2 DCFC POWER BOX PLAN, ELEVATION AND ISOMETRIC VIEWS
 NIS

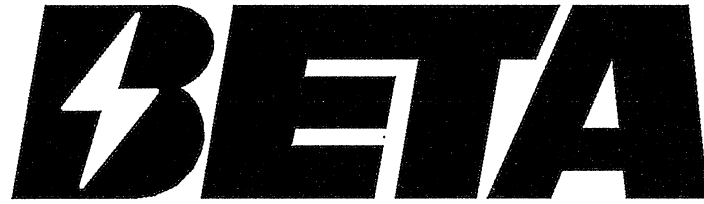
4 DCFC POWER BOX PLAN AND ISOMETRIC VIEWS
 NIS

For Scale



ATTACHMENT B
SITE PLANS AND DESIGN WORK

See Attached.



BETA TECHNOLOGIES
1150 AIRPORT DRIVE
SOUTH BURLINGTON, VT 05403

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY TAYLOR MURPHY, P.E., ON THE TIME AND DATE STAMP SHOWN USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



BLACK & VEATCH

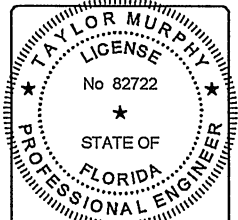
11401 LAMAR AVENUE
OVERLAND PARK, KS 66211
(913) 458-0200

FL-CEW CRESTVIEW INSTALLATION OF ELECTRIC VEHICLE CHARGING EQUIPMENT BOB SIKES AIRPORT 5551 JOHN GIVENS RD CRESTVIEW, FL 32539

SITE INFORMATION	AREA MAP	LOCATION MAP	PROJECT DESCRIPTION																																										
<p>EV SITE ADDRESS: 5551 JOHN GIVENS RD CRESTVIEW, FL 32539</p> <p>POWER COMPANY: FLORIDA POWER AND LIGHT</p> <p>COUNTY: OKALOOSA</p> <p>LATITUDE (NAD83): 30° 46' 34.4" N 30.776223</p> <p>LONGITUDE (NAD83): 86° 31' 21.3" W -86.524263°</p> <p>PROPERTY OWNER: OKALOOSA AIRPORT AUTHORITY</p> <p>CONTACT ENGINEER: RUSSELL POLLOM (913) 458-6274 POLLOMRE@BV.COM</p>			<ul style="list-style-type: none"> • INSTALL (1) 200KW BTC POWER UNIT • INSTALL (1) 160KW BTC POWER UNIT • INSTALL (1) 350KW BTC DISPENSER • INSTALL (1) DUAL PORT LEVEL 2 CHARGER • INSTALL (1) SWITCHBOARD • INSTALL (1) 600A DISTRIBUTION CABINET • INSTALL (3) HANDHOLES • INSTALL (1) EQUIPMENT ENCLOSURE 																																										
<p>APPLICABLE CODES</p> <p>ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:</p> <p>FLORIDA BUILDING CODE 8TH EDITION (2023), BUILDING FLORIDA BUILDING CODE 8TH EDITION (2023), MECHANICAL FLORIDA BUILDING CODE 8TH EDITION (2023), FUEL GAS FLORIDA BUILDING CODE 8TH EDITION (2023), PLUMBING FLORIDA FIRE PREVENTION CODE 8TH EDITION 2020 NATIONAL ELECTRICAL CODE</p> <p>IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.</p>			<p>DRAWING INDEX</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SHEET NO:</th> <th>SHEET TITLE</th> <th>REV NO:</th> </tr> </thead> <tbody> <tr> <td>T-1</td> <td>TITLE SHEET & PROJECT DATA</td> <td>1</td> </tr> <tr> <td>GN-1</td> <td>GENERAL NOTES 1</td> <td>0</td> </tr> <tr> <td>GN-2</td> <td>GENERAL NOTES 2</td> <td>0</td> </tr> <tr> <td>GN-3</td> <td>GENERAL NOTES 3</td> <td>0</td> </tr> <tr> <td>E-1</td> <td>OVERALL SITE PLAN</td> <td>1</td> </tr> <tr> <td>E-2</td> <td>ENLARGED SITE PLAN</td> <td>1</td> </tr> <tr> <td>E-3</td> <td>SINGLE LINE DIAGRAM</td> <td>0</td> </tr> <tr> <td>D-1</td> <td>EQUIPMENT DETAILS</td> <td>0</td> </tr> <tr> <td>D-2</td> <td>EQUIPMENT DETAILS</td> <td>0</td> </tr> <tr> <td>D-3</td> <td>FENCE DETAILS</td> <td>0</td> </tr> <tr> <td colspan="3">CONSTRUCTION SAFETY AND PHASING DRAWINGS</td> </tr> <tr> <td>G001</td> <td>CONSTRUCTION SAFETY AND PHASING PLAN</td> <td>0</td> </tr> <tr> <td>G002</td> <td>CONSTRUCTION SAFETY AND PHASING PLAN</td> <td>0</td> </tr> </tbody> </table>	SHEET NO:	SHEET TITLE	REV NO:	T-1	TITLE SHEET & PROJECT DATA	1	GN-1	GENERAL NOTES 1	0	GN-2	GENERAL NOTES 2	0	GN-3	GENERAL NOTES 3	0	E-1	OVERALL SITE PLAN	1	E-2	ENLARGED SITE PLAN	1	E-3	SINGLE LINE DIAGRAM	0	D-1	EQUIPMENT DETAILS	0	D-2	EQUIPMENT DETAILS	0	D-3	FENCE DETAILS	0	CONSTRUCTION SAFETY AND PHASING DRAWINGS			G001	CONSTRUCTION SAFETY AND PHASING PLAN	0	G002	CONSTRUCTION SAFETY AND PHASING PLAN	0
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G002	CONSTRUCTION SAFETY AND PHASING PLAN	0																																											
<p>ZONING INFORMATION</p> <p>PERMITTING JURISDICTION: CITY OF CRESTVIEW, FL</p>			<p>FOR REFERENCE ONLY DRAWINGS</p> <p>SWITCHBOARD DRAWINGS MILBANK 600A DISTRIBUTION CABINET SPECIFICATIONS</p>																																										
<p>FLOOD HAZARD AREA NOTE</p> <p>THIS SITE IS LOCATED IN FLOOD ZONE "X". AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD PLAIN.</p>			<p>ENGINEER OF RECORD</p> <p>TAYLOR MURPHY PE # 82722 BLACK & VEATCH CORPORATION</p>																																										
<p>CONTRACTOR NOTE</p> <p>CONTRACTOR SHALL COMPLETE INSTALL PER THE SIGNED AND SEALED SET OF DRAWINGS. ANY NECESSARY DEVIATIONS FROM THE DRAWINGS MUST BE SUBMITTED THROUGH AN RFI REQUEST PROCESS WITH ENGINEERING FOR AN APPROVAL PRIOR TO CONTRACTOR PROCEEDING WITH A DEVIATION OF THE SIGNED AND SEALED SET OF DRAWINGS.</p>	<p>CALL BEFORE YOU DIG</p> <p>UNDERGROUND SERVICE ALERT UTILITY NOTIFICATION CENTER OF FLORIDA 811 OR 1-800-432-4770</p> <p>3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION</p>	<p>DO NOT SCALE DRAWINGS</p> <p>CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.</p> <p>11"x17" PLOT WILL BE HALF SCALE UNLESS NOTED</p>																																											

PROJECT NO: 410112
DRAWN BY: GJS
CHECKED BY: NMB

REV	DATE	DESCRIPTION
1	02/19/24	REISSUED FOR CONSTRUCTION
0	02/06/24	ISSUED FOR CONSTRUCTION



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

FL-CEW CRESTVIEW
BOB SIKES AIRPORT
5551 JOHN GIVENS RD
CRESTVIEW, FL 32539

SHEET TITLE
TITLE SHEET & PROJECT DATA

SHEET NUMBER
T-1

GENERAL CONSTRUCTION NOTES

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY
GENERAL CONTRACTOR: OVERLAND CONTRACTING INC. (BLACK & VEATCH)
CONTRACTOR: (CONSTRUCTION)
OWNER: BETA
- ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS.
- THE GENERAL CONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, 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.
- 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.
- ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- 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.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER PRIOR TO PROCEEDING.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
- THE GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
- CONSTRUCTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE.
- WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- 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 OWNER.
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND CONTRACTORS TO THE SITE AND/OR BUILDING.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
- 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.
- THE CONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A:10-B:C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
- 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.

GENERAL CONSTRUCTION NOTES CONT.

- 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.
- 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.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
- 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.
- THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 90 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
- ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
- ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
- THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
- THE CONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
- THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
- NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
- 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 IMMEDIATELY.
- THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

STRUCTURAL STEEL NOTES

- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS, UNLESS NOTED OTHERWISE: WIDE FLANGE SHAPE: A992, 50ksi
ANGLE AND CHANNEL SHAPE: ASTM A36, 35 ksi
PLATE: ASTM A572, 50ksi
PIPE: ASTM A53 GRADE B, 35 ksi
HSS: ASTM A500 GRADE B, 46ksi
- HIGH-STRENGTH BOLTS SHALL CONFORM TO A ASTM A325; ONE HIGH-STRENGTH BOLT ASSEMBLY SHALL CONSIST OF A HEAVY HEX STRUCTURAL BOLT, A HEAVY NUT, A HARDENED WASHER CONFORMING TO ASTM F436. THE HARDENED WASHER SHALL BE INSTALLED AGAINST ELEMENT TURNED IN TIGHTENING, UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS.
- WELDING ELECTRODES SHALL COMPLY WITH AWS D1.1 USING A5.1 OR A5.5 E70XX AND SHALL BE COMPATIBLE WITH THE WELDING PROCESS SELECTED. WELDERS SHALL BE QUALIFIED AS PRESCRIBED IN AWS D1.1.
- UNLESS NOTED OTHERWISE ON THE DRAWING, ALL ANCHOR BOLTS SHALL CONFORM TO ASTM F1654, GRADE 36, WITH HEAVY HEXAGONAL NUT.
- FABRICATE ITEMS OF STRUCTURAL STEEL IN ACCORDANCE WITH AISC SPECIFICATION.
- ALL EXPOSED STRUCTURAL STEEL, BOLTS, AND HARDWARE SHALL BE HOT DIP GALVANIZED PER ASTM A123.
- SUBMIT FABRICATION AND ERECTION DRAWINGS SHOWING ALL DETAILS, CONNECTIONS, MATERIAL DESIGNATIONS, AND TOP STEEL ELEVATIONS FOR APPROVAL. THE SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL CONFORMANCE TO THE CONTRACT DRAWINGS. SUCH APPROVAL SHALL NOT RELIEVE THE FABRICATOR/CONTRACTOR OF THE RESPONSIBILITY FOR EITHER THE ACCURACY OF THE DETAILED DIMENSIONS IN THE SHOP AND ERECTION DRAWINGS OR THE GENERAL FIT-UP OF PARTS THAT ARE TO BE ASSEMBLED IN THE FIELD.
- PRIMER SHALL BE RED OXIDE-CHROMATE PRIME COMPLYING WITH STEEL STRUCTURES PAINTING COUNCIL (SSPC) PAINT SPECIFICATION NUMBER 11

CONCRETE MASONRY NOTES

- CONCRETE MASONRY UNITS SHALL BE MEDIUM WEIGHT UNITS CONFORMING TO ASTM C90, GRADE N-1, (FM=1,600 PSI), MEDIUM WEIGHT. (116 PCF)
- MORTAR SHALL BE TYPE "S" ABOVE GRADE, TYPE "M" BELOW GRADE CONFORMING TO ASTM C270. (MINIMUM 2,000 PSI AT 28 DAYS)
- GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS CONFORMING TO ASTM C476.
- ALL CELLS CONTAINING REINFORCING STEEL OR EMBEDDED ITEMS, ALL CELLS IN RETAINING WALLS, AND WALLS BELOW GRADE SHALL BE SOLID GROUTED.
- ALL HORIZONTAL REINFORCEMENT SHALL BE PLACED IN BOND BEAM OR LINTEL BEAM UNITS.
- WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE GROUT POUR 1-1/2" BELOW TOP OF THE UPPERMOST UNIT.
- ALL BOND BEAM BLOCK SHALL BE "DEEP CUT" UNITS.
- PROVIDE INSPECTION AND CLEAN-OUT HOLES AT BASE OF VERTICAL CELLS HAVING GROUT LIFTS IN EXCESS OF 4'-0" OF HEIGHT.
- ALL GROUT SHALL BE CONSOLIDATED WITH A MECHANICAL VIBRATOR.
- CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.
- REINFORCING BARS - SEE NOTES UNDER "REINFORCED CONCRETE NOTES" FOR REQUIREMENTS. REINFORCEMENT SHALL BE PLACED PRIOR TO GROUTING. LAP SPLICES SHALL BE 48 BAR DIAMETERS, MINIMUM.
- PROVIDE ONE BAR DIAMETER (A MINIMUM OF 1/2") GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.
- LOW LIFT CONSTRUCTION, MAXIMUM GROUT POUR HEIGHT IS 4 FEET.
- HIGH LIFT GROUTED CONSTRUCTION MAY BE USED IN CONFORMANCE WITH PROJECT SPECIFICATIONS AND SECTION 2104 OF IBC.
- ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT, EXCEPT AS NOTED IN THE DRAWINGS OR SPECIFICATIONS.
- CELLS SHALL BE IN VERTICAL ALIGNMENT, DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CELLS CONTAINING REINFORCING STEEL.
- REFER TO DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN AND JOINT TYPE.
- SAND SHALL BE CLEAN, SHARP AND WELL GRADED, FREE FROM INJURIOUS AMOUNTS OF DUST, LUMPS, SHALE, ALKALI OR ORGANIC MATERIAL.
- ALL MORTAR FIN OBSTRUCTIONS AND DEBRIS SHALL BE CLEANED FROM INSIDE OF CELLS PRIOR TO GROUTING.

REINFORCED CONCRETE NOTES

- CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS UNLESS OTHERWISE NOTED. CONTINUOUS INSPECTION IS NOT REQUIRED. SLUMP: 4" MIN / 6" MAX. AIR ENTRAINMENT: 4 1/2% - 7% BY VOLUME
- REINFORCEMENT SHALL BE A NEW BILLET STEEL DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A616 GRADE 60, MAXIMUM COARSE AGGREGATE SIZE SHALL BE 3/4".
- REINFORCEMENT SHALL COMPLY WITH THE LATEST EDITION OF ACI 318 FOR MINIMUM CLEARANCES.
- ALL EMBEDDED ITEMS SHALL BE SECURELY HELD IN POSITION PRIOR TO PLACEMENT OF CONCRETE. ALL CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C94.
- MAINTAIN TEMPERATURE OF CAST IN PLACE CONCRETE BETWEEN 50 DEGREES AND 90 DEGREES FAHRENHEIT.
- DO NOT USE RETEMPERED CONCRETE, OR ADD WATER TO READY-MIX CONCRETE AT THE JOB SITE.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A186.
- EXCEPT AS DETAILED OR AUTHORIZED, MAKE BARS CONTINUOUS AROUND CORNERS WHERE PERMITTED. SPLICES MADE BY CONTACT LAPS SHALL BE CLASS "B" TENSION LAPS UNLESS NOTED OTHERWISE.
- DETAIL BARS IN ACCORDANCE WITH "ACI DETAILING MANUAL", PUBLICATION SP-66 AND " BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", ACI 318.
- PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING.
- EXPANSION JOINTS SHALL BE CONSTRUCTED AT LOCATIONS WHERE THE CONCRETE PAD ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES, AND AS SHOWN ON APPROVED PLANS. EXPANSION JOINTS SHALL BE FORMED WITH ONE-HALF INCH PRE-FABRICATED NON-EXTRUDING FILLER AND SHALL EXTEND THE FULL DEPTH OF THE SLAB.



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SHEET TITLE
GENERAL NOTES 1

SHEET NUMBER
GN-1

ANCHORAGE INSTALLATION NOTES

1. DRILLING THROUGH EXISTING SLAB REBAR DURING POST-INSTALLED ANCHOR BOLTS INSTALLATION IS NOT PERMITTED.
2. POST-INSTALLED ANCHOR BOLT INSTALLATION SHALL BE PERFORMED BY PERSONNEL TRAINED TO INSTALL THE SYSTEM PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII), AS INCLUDED IN THE ANCHOR PACKAGING.
3. EXPANSION AND ADHESIVE ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS USING STANDARD EMBEDMENTS AND EDGE DISTANCES UNLESS NOTED OTHERWISE ON THE DRAWINGS.

CONCRETE SIDEWALK CONSTRUCTION REQUIREMENTS

1. **PLACING AND FINISHING CONCRETE**
THE CONTRACTOR SHALL PROVIDE ADEQUATE TOOLS AND EQUIPMENT TO PRODUCE QUALITY WORKMANSHIP IN PLACING AND FINISHING CONCRETE. THE SIDEWALK AND RAMPS SHALL BE FINISHED TO THE TOP OF THE FORMS AND THE SURFACE FINISHED WITH A WOOD OR STEEL FLOAT AND SURFACE TEXTURE SHALL BE A COURSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE SIDEWALK OR RAMP. NO "PLASTERING" OF THE SURFACE SHALL BE PERMITTED.
2. **CONTRACTION JOINTS**
THE SIDEWALK SURFACE SHALL BE MARKED OFF INTO NOMINAL SQUARES OF DIMENSION TO THE WIDTH OF THE SIDEWALK WITH A MAXIMUM DISTANCE BETWEEN JOINTS OF SEVEN FEET. SAWING JOINTS, THE CONTRACTOR SHALL BEGIN AS SOON AS THE CONCRETE HARDENS SUFFICIENTLY TO PREVENT EXCESSIVE RAVELING ALONG THE SAW CUT AND SHALL FINISH BEFORE CONDITIONS INDUCE UNCONTROLLED CRACKS, REGARDLESS OF THE TIME OR WEATHER.
3. **EXPANSION JOINTS**
EXPANSION JOINTS SHALL BE CONSTRUCTED AT LOCATIONS WHERE THE SIDEWALK ABUTS EXISTING CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES, AND EVERY TWO HUNDRED FIFTY FEET AND AS SHOWN ON APPROVED PLANS. EXPANSION JOINTS SHALL BE FORMED WITH ONE-HALF INCH PREFABRICATED NON-EXTRUDING FILLER AND SHALL EXTEND THE FULL DEPTH OF THE SLAB.

GENERAL SITE WORK NOTES

PART 1 - GENERAL

CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.

- 1.1 REFERENCES:
 - A. DOT (STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION-CURRENT EDITION).
 - B. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS).
 - C. OSHA (OCCUPATION SAFETY AND HEALTH ADMINISTRATION).
- 1.2 INSPECTION AND TESTING:
 - A. GENERAL CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS. PERFORM INSPECTIONS BEFORE CONCEALING WORK WITH FOLLOW-ON ACTIVITIES (BACKFILL, CONCRETE POUR, ETC).
- 1.3 SITE MAINTENANCE AND PROTECTION:
 - A. PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF THE CONTRACT.
 - B. AVOID DAMAGE TO THE SITE AND TO EXISTING FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING FACILITIES THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK.
 - C. KEEP SITE FREE OF ALL PONDING WATER.
 - D. PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT, LOCAL PERMITTING AGENCY AND EPA REQUIREMENTS.
 - E. 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. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
 - F. EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE CONSTRUCTION MANAGER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.
 - G. PROVIDE A MINIMUM 48-HOUR NOTICE TO THE CONSTRUCTION MANAGER AND RECEIVE WRITTEN NOTICE TO PROCEED BEFORE INTERRUPTING ANY UTILITY SERVICE.
 - H. SOD PLANTED IN THE FALL MUST ESTABLISH ITS ROOTS BEFORE THE FIRST WINTER FROST. DETERMINE WHEN THE FIRST FROST USUALLY OCCURS, AND PLANT THE SOD NO LATER THAN ONE MONTH BEFORE THE FIRST FROST. IF THE CONSTRUCTION IS FINISHED LATER THAN ONE MONTH BEFORE THE FIRST FROST, USE STRAW UNTIL SOD CAN BE INSTALLED.

GENERAL SITE WORK NOTES CONT.

PART 2 - PRODUCTS

- 2.1 SUITABLE MATERIAL - SUITABLE MATERIAL ARE USED FOR GRADING AND BACKFILL. SUITABLE MATERIALS ARE ON SITE SOILS REMOVED FROM EXCAVATIONS THAT EXCLUDE FROZEN SOIL, ROOTS OR ORGANIC MATERIAL, DEBRIS, TRASH, REFUSE, OR PARTICLES SIZE GREATER THAN 3-INCH. SUITABLE SOILS HAVE MOISTURE CONTENTS THAT ALLOW THEM TO BE COMPACTED TO THE SAME DENSITY AS THE NATIVE SOILS.
- 2.2 UNSUITABLE MATERIAL - SOILS THAT ARE FROZEN, CONTAIN ROOTS OR ORGANIC MATERIAL, DEBRIS, TRASH, REFUSE, OR PARTICLES SIZES GREATER THAN 3-INCH. SOILS THAT ARE TOO WET OR TOO DRY TO BE COMPACTED TO THE SAME DENSITY AS THE NATIVE SOILS ARE UNSUITABLE .
- 2.3 GRANULAR BACKFILL - SHALL MEET THE FOLLOWING GRADATION

SIEVE SIZE	TOTAL PERCENT PASSING
1 1/2 INCH (37.5 MM)	100
NO. 4 (4.75 MM)	30 TO 60
NO 200 (0.075 MM)	3 TO 15
- 2.4 GRANULAR BEDDING - WELL-GRADED SAND MEETING THE GRADATION REQUIREMENT OF ASTM C 33 FINE AGGREGATE.
- 2.6 CONTROLLED LOW STRENGTH MATERIAL (CLSM) - A SELF LEVELING AND SELF COMPACTING CEMENTITIOUS MATERIAL COMPOSED OF SAND, COARSE AGGREGATE, CEMENT, FLY ASH, WATER AND ADMIXTURES. CLSM SHALL BE EXCAVATABLE AND SHALL HAVE A DESIGNED UNCONFINED COMPRESSIVE STRENGTH OF BETWEEN 60 TO 100 PSI .
- 2.6 BACKFILL - PRODUCTS MEETING THE REQUIREMENTS OF SUITABLE MATERIAL, GRANULAR BEDDING, GRANULAR BACKFILL OR CLSM.
- 2.7 TOPSOIL - SOIL WITH AN ORGANIC CONTENT SUFFICIENT TO ALLOW VEGETATIVE GROWTH.

PART 3 - EXECUTION

- 3.1 GENERAL:
 - A. BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. 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.
 - B. BEFORE ALL SURVEY, LAYOUT, STAKING, AND MARKING, ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK. CONDUCT UTILITY LOCATE IN ACCORDANCE WITH THE ONE-CALL NOTIFICATION
 - C. CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED.
 - D. REMOVE THE FOLLOWING MATERIALS TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE ORIGINAL GROUND SURFACE: ROOTS, STUMPS, AND OTHER DEBRIS, BRUSH, AND REFUSE EMBEDDED IN OR PROTRUDING THROUGH THE GROUND SURFACE, RAKE, DISK OR PLOW THE AREA TO A DEPTH OF NO LESS THAN 6 INCHES, AND REMOVE TO A DEPTH OF 12 INCHES ALL ROOTS AND OTHER DEBRIS THEREBY EXPOSED.
 - E. 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. SUFFICIENT TOPSOIL MAY BE STOCKPILED ON SITE FOR USE DURING FINAL SITE GRADING.
 - F. EXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED, FILL DEPRESSIONS RESULTING FROM CLEARING, GRUBBING AND DEMOLITION WORK COMPLETELY WITH SUITABLE MATERIAL.
 - G. REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING WILL NOT BE PERMITTED.
 - H. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS AND TO ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, OR OTHER ITEM NOT SHOWN THAT MIGHT INTERFERE WITH THE PROPOSED CONSTRUCTION. NOTIFY THE CONSTRUCTION MANAGER OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.
 - I. SEPARATE AND STOCK PILE ALL EXCAVATED MATERIALS SUITABLE FOR BACKFILL. ALL EXCESS EXCAVATED AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.
 - J. DURING EXCAVATION, THE CONTRACTOR SHALL PROVIDE SHORING, SHEETING, AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF EXCAVATION.
- 3.2 BACKFILL:
 - A. AS SOON AS PRACTICAL, AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING EXPIRATION OF THE SPECIFIED MINIMUM CURING PERIOD FOR CAST-IN-PLACE CONCRETE, BACKFILL THE EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISHED GRADE.

GENERAL SITE WORK NOTES CONT.

- B. PRIOR TO PLACING BACKFILL AROUND STRUCTURES, ALL FORMS SHALL BE REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS, AND UNSUITABLE MATERIALS.
 - C. DO NOT PLACE FROZEN MATERIAL IN AS BACKFILL.
 - D. PLACE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL WHEN REQUIRED IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 6-INCHES LOOSE THICKNESS AND COMPACT TO THE SAME DENSITY AS NATIVE SOIL. WHERE HAND OPERATED COMPACTORS ARE USED, THE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 4 INCHES IN LOOSE DEPTH AND COMPACTED.
 - E. WHENEVER TESTING INDICATES THAT THE CONTRACTOR HAS NOT OBTAINED THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE REQUIREMENTS ARE MET UNLESS OTHERWISE AUTHORIZED BY THE CONSTRUCTION MANAGER. THE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY, SUCH AS DRYING, ADDING WATER, OR INCREASING THE COMPACTIVE EFFORT TO MEET THE COMPACTATION REQUIREMENTS.
- 3.3 TRENCH EXCAVATION:
 - A. UTILITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE GENERAL CONTRACTOR. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF THE TRENCH WALLS.
 - B. EXTEND THE TRENCH WIDTH A MINIMUM OF 6 INCHES BEYOND THE OUTSIDE EDGE OF THE OUTERMOST CONDUIT.
 - C. WHEN SOFT YIELDING, OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, EXCAVATE THE REQUIRED TRENCH TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE REQUIRED ELEVATION, THEN BACKFILL WITH 12" OF GRANULAR BEDDING MATERIAL.
 - 3.4 TRENCH BACKFILL:
 - A. PROVIDE GRANULAR BEDDING MATERIAL OR FLOWABLE FILL IN ACCORDANCE WITH THE DRAWINGS AND THE UTILITY REQUIREMENTS.
 - B. NOTIFY THE GENERAL CONTRACTOR 24 HOURS IN ADVANCE OF BACKFILLING.
 - C. CONDUCT UTILITY CHECK TESTS BEFORE BACKFILLING. BACKFILL AND COMPACT TRENCH BEFORE ACCEPTANCE TESTING.
 - D. PLACE GRANULAR TRENCH BACKFILL UNIFORMLY ON BOTH SIDES OF THE CONDUITS IN 6-INCH UNCOMPACTED LIFTS UNTIL 12 INCHES OVER THE CONDUITS. SOLIDLY RAM AND TAMP BACKFILL INTO SPACE AROUND CONDUITS.
 - E. PROTECT CONDUIT FROM LATERAL MOVEMENT, IMPACT DAMAGE, OR UNBALANCED LOADING.
 - F. ABOVE THE CONDUIT EMBEDMENT ZONE, PLACE AND COMPACT SATISFACTORY BACKFILL MATERIAL IN 8-INCH MAXIMUM LOOSE THICKNESS LIFTS TO RESTORE THE REQUIRED FINISHED SURFACE GRADE.
 - G. COMPACT FINAL TRENCH BACKFILL TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE EXISTING UNDISTURBED MATERIAL IMMEDIATELY ADJACENT TO THE TRENCH
 - 3.5 FINISH GRADING:
 - A. PERFORM ALL GRADING TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND SMOOTH, EVEN SURFACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES.
 - B. UTILIZE SATISFACTORY FILL MATERIAL RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF FILLS, EMBANKMENTS AND FOR REPLACEMENT OF REMOVED UNSUITABLE MATERIALS.
 - C. REPAIR ALL ACCESS ROADS AND SURROUNDING AREAS USED DURING THE COURSE OF THIS WORK TO THEIR ORIGINAL CONDITION.
 - 3.6 ASPHALT PAVING ROAD:
 - FLORIDA STANDARD SPECIFICATIONS
 - SECTION 300-340 - FOOT PAVEMENT
 - A. CONTRACTOR RESPONSIBLE FOR RE-STRIPING AND APPLYING SEALCOATING, UNLESS OTHERWISE SPECIFIED.
 - B. ALL ELECTRIC VEHICLE CHARGING STALLS WITH AN ASPHALT SURFACE SHALL BE SEALCOATED.



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SHEET TITLE
GENERAL NOTES 2

SHEET NUMBER
GN-2

ELECTRICAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY 'CONSTRUCTION MANAGER' AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE 'CONSTRUCTION MANAGER' HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. THE CONDITION OF EXISTING ELECTRICAL EQUIP., LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTAL OF HIS BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC AND ALL CODES AND LOCAL ORDINANCES OF THE LOCAL POWER COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT NOT BE LIMITED TO:
 - A. UL - UNDERWRITERS LABORATORIES
 - B. NEC - NATIONAL ELECTRICAL CODE
 - C. NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
 - D. OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT
 - E. SBC - STANDARD BUILDING CODE
 - F. NFPA - NATIONAL FIRE PROTECTION ASSOCIATION
- DO NOT SCALE ELECTRICAL DRAWINGS. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, BUT CONFIRM WITH 'CONSTRUCTION MANAGER' ANY SIZES AND LOCATIONS WHEN NEEDED.
- EXISTING SERVICES: THE CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
- THE CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTING. THE CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING THE EQUIPMENT.
- THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
- THE 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.
- CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER OR ALUMINUM WITH TYPE (THWN-2) INSULATION, 600 VOLT, COLOR CODED UNLESS SPECIFIED DIFFERENTLY ON DRAWINGS.
- ALL WIRING INSTALLATIONS SHALL BE COMPLIANT WITH NEC ARTICLE 310.10 AND TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER. CONTRACTOR IS TO PROVIDE ALL ELECTRICAL EQUIPMENT UNLESS OTHERWISE DIRECTED.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY CONSTRUCTION MANAGER.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
- THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
- ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
- PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
- TRENCHING AND BACKFILL: THE CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. REFER TO GENERAL SITE WORK NOTES.

ELECTRICAL NOTES CONT.

- MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF UL APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IEEE.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURERS CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE 'CONSTRUCTION MANAGER' UPON FINAL ACCEPTANCE.
- THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES.
- DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
- ALL CONNECTIONS EXCEPT THE EV CHARGE CABLE TERMINATION IN THE CHARGE POST SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NOALOX" BY IDEAL INDUSTRIAL INC., COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED ALUMINUM & COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
- ALL EXTERIOR AND INTERIOR ABOVE GROUND CONDUIT SHALL BE RIGID UNLESS SPECIFIED OTHERWISE. ALL BURIED CONDUITS SHALL BE SCH 40 PVC UNLESS SPECIFIED OTHERWISE.
- RACEWAYS: CONDUIT SHALL BE SCHEDULE 40 PVC, MEETING OR EXCEEDING NEMA TC2 -2013. THE CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS -200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL NOT BE LESS THAN SHOWN IN TABLE 2 CHAPTER 9 OF THE NEC. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH 'BRITE ZINC' OR 'GOLD GALV'.
- SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
- CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TIE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
- THE CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL SERVICE CONDUITS. CAUTION TAPE TO READ "CAUTION BURIED ELECTRIC".
- WHEN DIRECTIONAL BORING IS REQUIRED, CONTRACTOR SHALL INSTALL A LOOSE TONING WIRE WITHIN INSTALLED CONDUIT TO ALLOW FOR IDENTIFICATION OF UNDERGROUND CONDUITS.
- ALL BOLTS SHALL BE STAINLESS STEEL.
- ALL MATERIALS AND EQUIPMENT SUPPLIED AND INSTALLED BY THE CONTRACTOR SHOULD BE NEW AND UNUSED.

GROUNDING NOTES

- ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 1/8" STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- 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.
- ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).
- ALL BELOW GRADE BONDS TO BE EXOTHERMIC WELDS OR IRREVERSIBLE COMPRESSION TYPE CONNECTIONS LISTED FOR USE IN THE APPLICATION WHICH THEY ARE INSTALLED.

FIBER OPTIC NOTES

USE CABLE WITH THE FOLLOWING MINIMUM PROPERTIES:

- HIGH TENSILE STRENGTH >160 LB
- TIGHT BUFFERED
- INDOOR / OUTDOOR UV AND MOISTURE RESISTANT "RISEB" CABLE
- CONNECTOR TYPE: ST-ST
- FIBER TYPE: MULTI-MODE 6-FIBER (3 PAIR) 62.5UM OR OM3 6 CONNECTORS ON BOTH ENDS.
- JACKET: INDOOR/OUTDOOR RISER, BLACK
- BREAKOUT: SIDE A: INNER END -24 INCHES WITH 2MM FURCATION SIDE B: OUTER END -24 INCHES -2MM FURCATION - STAGGERED EVERY 1"
- WITH PULLING EYE ON SIDE B (OUTER END) AND SPOOL REEL

UTILITY AVOIDANCE

- SUBCONTRACTORS ARE TO ENSURE THAT, AT A MINIMUM, THEY ADHERE TO THE FOLLOWING REQUIREMENTS ON PROJECT SITES:
 - A. STEP 1: CALL 811 OR EQUIVALENT ONE CALL SYSTEM NUMBER TO LOCATE AND MARK PRIMARY UTILITY SYSTEMS. ITEMS THAT ARE NOT LOCATED BY THE LOCAL ONE CALL SYSTEM ARE TO HAVE THOSE UTILITY OWNERS CONTACTED DIRECTLY. THIRD PARTY LOCATE COMPANIES ARE TO BE CONTRACTED TO PERFORM LOCATE AND MARKING SERVICES ON PRIVATE PROPERTIES WHERE THE STATE PROVIDED SERVICE DOES NOT ENTER. CALLS ARE TO BE MADE AT A MINIMUM OF THREE DAYS PRIOR TO THE PLANNED TRENCHING OR EXCAVATING ACTIVITY.
 - CONTACT NAMES, PHONE NUMBERS AND TICKET NUMBERS FOR LOCAL ONE CALL SYSTEM PROVIDERS OR UTILITY OWNERS ARE TO BE DOCUMENTED ON THE UTILITY AVOIDANCE PLAN TO VERIFY COMPLETION OF THIS STEP.
 - B. STEP 2: SITE CONSTRUCTION DRAWINGS ARE TO BE REVIEWED ON-SITE WITH THE PROPERTY OWNER/LANDLORD TO IDENTIFY/VERIFY KNOWN PRIMARY (GAS, WATER, COMMUNICATION, ELECTRIC, SEWER SYSTEMS) AND SECONDARY (LOW VOLTAGE ELECTRICAL SYSTEMS, ALARM SYSTEMS, IRRIGATION SYSTEMS, ETC.) UNDERGROUND UTILITIES PRIOR TO CONTACTING THE UTILITY LOCATE SERVICE.
 - MARKINGS ARE TO BE ADDED TO SITE DRAWINGS TO SHOWN LOCATIONS OF KNOWN PRIMARY AND SECONDARY UTILITIES BASED ON REVIEW WITH THE OWNER/LANDLORD.
 - PROPERTY OWNER/LANDLORD IS TO SIGN AND DATE THE UTILITY AVOIDANCE PLAN TO VERIFY COMPLETION OF THE STEP.
 - C. STEP 3: THE PROPOSED LOCATION OF THE TRENCH OR EXCAVATION IS TO BE MARKED OUT ON THE SITE/PROPERTY USING WHITE TURF PAINT OR WHITE FLAGGING. SECONDARY UTILITIES IDENTIFIED/VERIFIED BY THE PROPERTY OWNER/LANDLORD SHALL BE MARKED USING TURF PAINT OR FLAGGING IN ACCORDANCE TO THE ONE CALL COLOR CODE REQUIREMENTS.
 - TURF MARKINGS/FLAGGING SHALL BE DOCUMENTED BY PHOTOGRAPH AND SHALL BE ATTACHED TO THE UTILITY AVOIDANCE PLAN.
 - THE CREWMEMBER RESPONSIBLE FOR PERFORMING THE MARKING OR FLAGGING IS TO SIGN AND DATE THE UTILITY AVOIDANCE PLAN TO VERIFY THE COMPLETION OF THIS STEP.
 - D. STEP 4: CREW SUPERVISORS ARE TO FIELD VERIFY THAT PRIMARY AND SECONDARY UTILITIES HAVE BEEN IDENTIFIED ON-SITE THROUGH THE USE OF TURF MARKINGS OR FLAGGING AND ARE IN ACCORDANCE WITH SITE CONSTRUCTION PLANS.
 - CREW MEMBERS ARE NOT TO MOVE ON TO STEP 6 IF THE TURF MARKINGS OR FLAGGING ARE NOT PRESENT ON-SITE. CREW SUPERVISORS ARE TO REPEAT THE GUIDANCE GIVEN IN STEP 1 OF THIS SECTION IF TURF MARKINGS OR FLAGGING ARE NOT PRESENT ON-SITE.
 - CREW MEMBERS ARE NOT TO MOVE ON TO STEP 6 IF THE TURF MARKINGS OR FLAGGING ON-SITE FAIL TO IDENTIFY PRIMARY OR SECONDARY UTILITIES DOCUMENTED ON THE SITE CONSTRUCTION DRAWINGS. CREW SUPERVISORS ARE TO REPEAT THE GUIDANCE GIVEN IN STEP 1 OF THIS SECTION.
 - TURF MARKINGS/FLAGGING SHALL BE DOCUMENTED BY PHOTOGRAPH AND SHALL BE ATTACHED TO THE UTILITY AVOIDANCE PLAN.
 - FIELD SUPERVISORS ARE TO SIGN AND DATE THE UTILITY AVOIDANCE PLAN TO VERIFY THE COMPLETION OF THIS STEP.
 - E. STEP 5: UTILITY SAFE TOLERANCE ZONES ARE TO BE MARKED OUT ON THE SITE/PROPERTY BY THE CREW SUPERVISOR USING TURF MARKING PAINT OR FLAGGING. THE WIDTH OF THE UTILITY SAFE ZONE SHOULD BE IN ACCORDANCE WITH STATE CODE OR UTILITY OWNER REQUIREMENT. A SAFE ZONE, INCLUDING THE WIDTH OF THE UTILITY PLUS 18 INCHES MEASURED HORIZONTALLY FROM EACH SIDE OF THE UTILITY, IS TO BE USED IF A STATE CODE OR UTILITY OWNER REQUIREMENT DOES NOT EXIST.
 - TURF MARKINGS/FLAGGING SHALL BE DOCUMENTED BY PHOTOGRAPH AND SHALL BE ATTACHED TO THE UTILITY AVOIDANCE PLAN.
 - FIELD SUPERVISORS ARE TO SIGN AND DATE THE UTILITY AVOIDANCE PLAN TO VERIFY THE COMPLETION OF THIS STEP.
 - F. STEP 6: CREW MEMBERS ARE TO USE NONCONDUCTIVE HAND TOOLS TO DIG (POTHOLE) WITHIN THE UTILITY SAFE TOLERANCE ZONE TO IDENTIFY THE LOCATION OF THE UTILITY. POWERED MECHANICAL EQUIPMENT IS NOT TO BE USED.
 - POTHOLING IS TO BE PERFORMED AT EACH END OF THE UTILITY AND AT 10' INTERVALS IN BETWEEN THE TWO POINTS WITHIN THE DEFINED AREA OF TRENCHING OR EXCAVATING.
 - CREWS ARE NOT TO MOVE ON TO STEP 7 IF UTILITIES ARE NOT IDENTIFIED BY POTHOLING. CREW SUPERVISORS ARE TO CONTACT THE ONE CALL OR UTILITY OWNER TO RETURN TO THE SITE TO ATTEMPT TO VERIFY THE UTILITIES LOCATION.
 - G. STEP 7: VERIFIED UTILITIES ARE TO BE MARKED BY AN APPROVED REFERENCE POINT METHOD SUCH AS STAKES, COLORED RIBBON AND PROTECTED (E.G., PLYWOOD) PRIOR TO COMMENCING EXCAVATING ACTIVITIES WITH MECHANICAL EQUIPMENT. UNDERGROUND UTILITIES ARE TO BE SUPPORTED IN TRENCHES TO MINIMIZE STRAIN ON THE SYSTEM.
 - PROTECTED/SUPPORTED UTILITIES ARE TO BE DOCUMENTED BY PHOTOGRAPH AND SHALL BE ATTACHED TO THE UTILITY AVOIDANCE PLAN.
 - FIELD SUPERVISORS ARE TO SIGN AND DATE THE UTILITY AVOIDANCE PLAN TO VERIFY THE COMPLETION OF THIS STEP.
 - H. STEP 8: POWERED MECHANICAL EXCAVATING IS ONLY TO COMMENCE UPON COMPLETION OF STEPS 1-7 AND IS TO BE PERFORMED IN ACCORDANCE WITH REQUIREMENTS FOUND IN SECTION 1.31 EXCAVATING AND TRENCHING OF THE PESHSP.
 - SPOTTERS ARE TO BE USED WHILE PERFORMING ANY TRENCHING OR EXCAVATING WITH POWERED MECHANICAL EXCAVATING EQUIPMENT.
 - SPOTTERS ARE TO IMMEDIATELY STOP WORK IF AN UNKNOWN UTILITY IS DISCOVERED DURING POWERED MECHANICAL EXCAVATING. CREW SUPERVISORS ARE TO REPEAT THE GUIDANCE GIVEN IN STEP 1 OF THIS SECTION.
 - EXCAVATING/TRENCHING IS NOT TO RECOMMENCE UNTIL THE UTILITY IS LOCATED/VERIFIED AND PROTECTED PER STEPS 1-7 OF THIS SECTION.
 - I. UTILITY AVOIDANCE PLANS ARE TO BE MAINTAINED BY THE SUBCONTRACTOR IN SECTION 7 OF ITS CREW'S ESH&S JOBSITE BINDER AND MADE AVAILABLE TO THE TELECOM UPON REQUEST.
 - UTILITY COMPANIES, EMERGENCY RESPONSE AGENCIES, AND TELECOM ARE TO BE CONTACTED IF ANY UTILITIES ARE DAMAGED. ALL UTILITY HIT INCIDENTS ARE TO BE REPORTED AND INVESTIGATED IN ACCORDANCE WITH THE REQUIREMENTS FOUND IN SECTION 1.13 OF THIS PESHSP.



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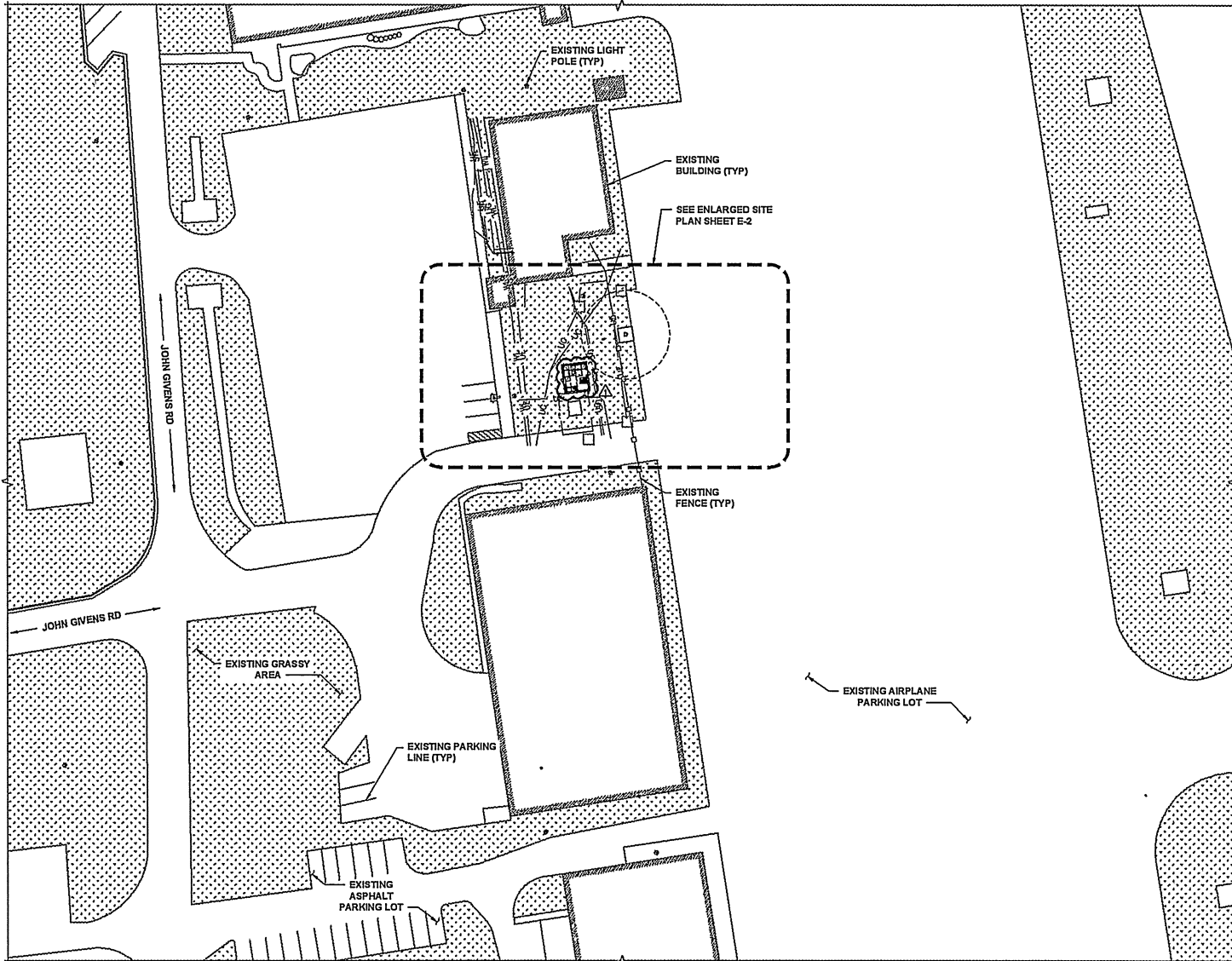
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GENERAL NOTES 3

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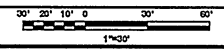
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SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
E-1

OVERALL SITE PLAN



NOTES

1. CONTRACTOR TO REFERENCE UTILITY DESIGN PACKAGE (UDP) FOR ADDITIONAL UTILITY RELATED SCOPE OF WORK.
2. SOD PLANTED IN THE FALL MUST ESTABLISH ITS ROOTS BEFORE THE FIRST WINTER FROST. DETERMINE WHEN THE FIRST FROST USUALLY OCCURS, AND PLANT THE SOD NO LATER THAN ONE MONTH BEFORE THE FIRST FROST. IF THE CONSTRUCTION IS FINISHED LATER THAN ONE MONTH BEFORE THE FIRST FROST, USE STRAW UNTIL SOD CAN BE INSTALLED.
3. THE CONTRACTOR SHALL RETURN SIDEWALKS, LANDSCAPING, PLANTERS, IRRIGATION SYSTEMS, AND ANY OTHER FACILITIES DISTURBED BY THE WORK TO THE SAME OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF THE WORK
4. CONDUIT ROUTING DIAGRAMMATICALLY SHOWN ON PLANS AND ARE ONLY APPROXIMATIONS. THE EXACT LOCATION AND ROUTING PATHS SHALL BE FIELD DETERMINED AND INSTALLED PER JURISDICTIONAL REQUIREMENTS.
5. CONTRACTOR TO PROVIDE LOCKS FOR PROPOSED TREX FENCE EQUIPMENT ENCLOSURE. CONTRACTOR TO COORDINATE WITH BETA AND AIRPORT FOR COMBINATION CODE.
6. L2 TO BE CENTERED IN LINE WITH THE PARKING LINE BETWEEN THE TWO PARKING STALLS IT SERVES. L2 IS TO SERVE NON-ADA STALLS ONLY, CONTRACTOR TO VERIFY.

DISPENSER LEGEND		
CHARGE POST NUMBER	350 KW	LEVEL 2
1	1	
2		1



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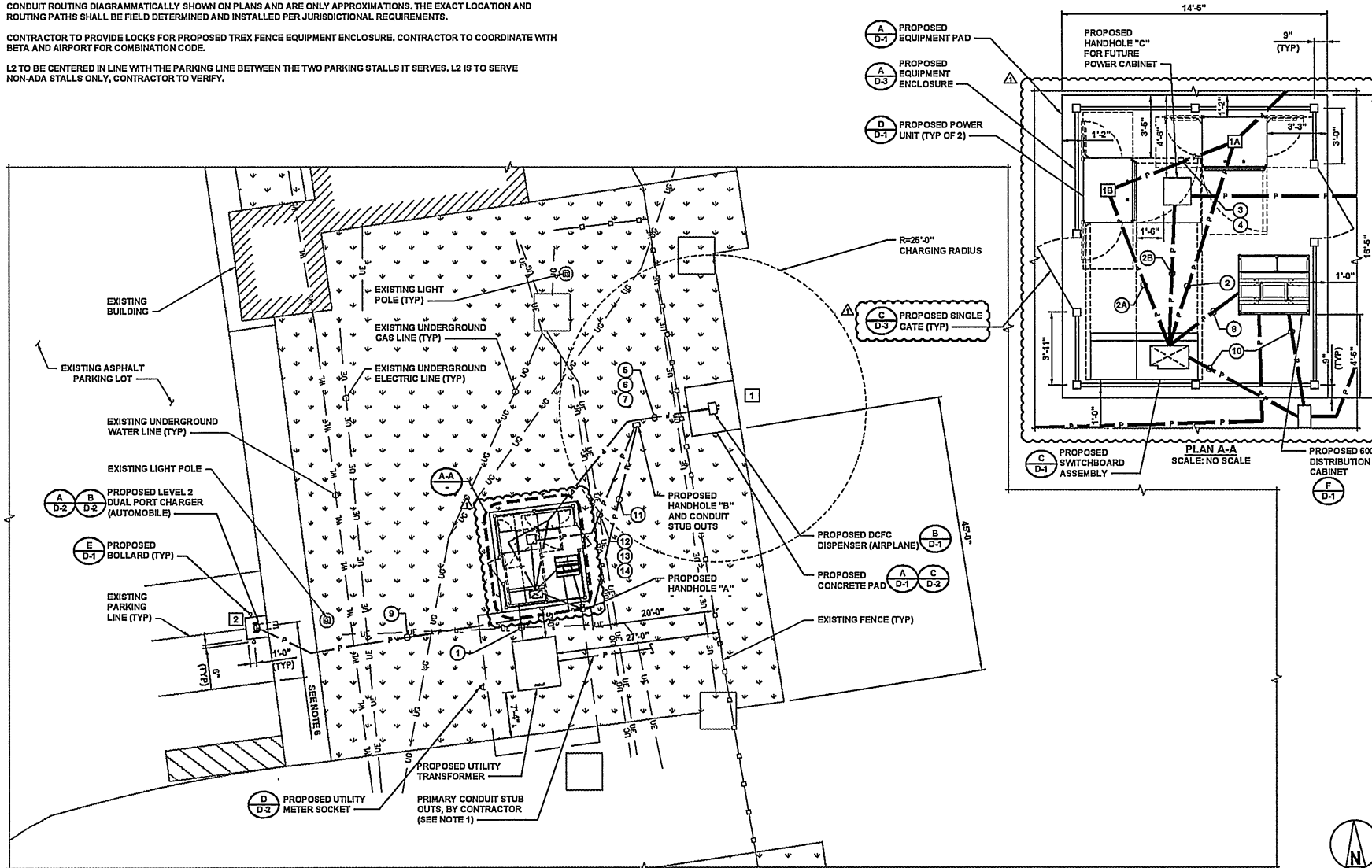
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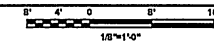
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SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER
E-2



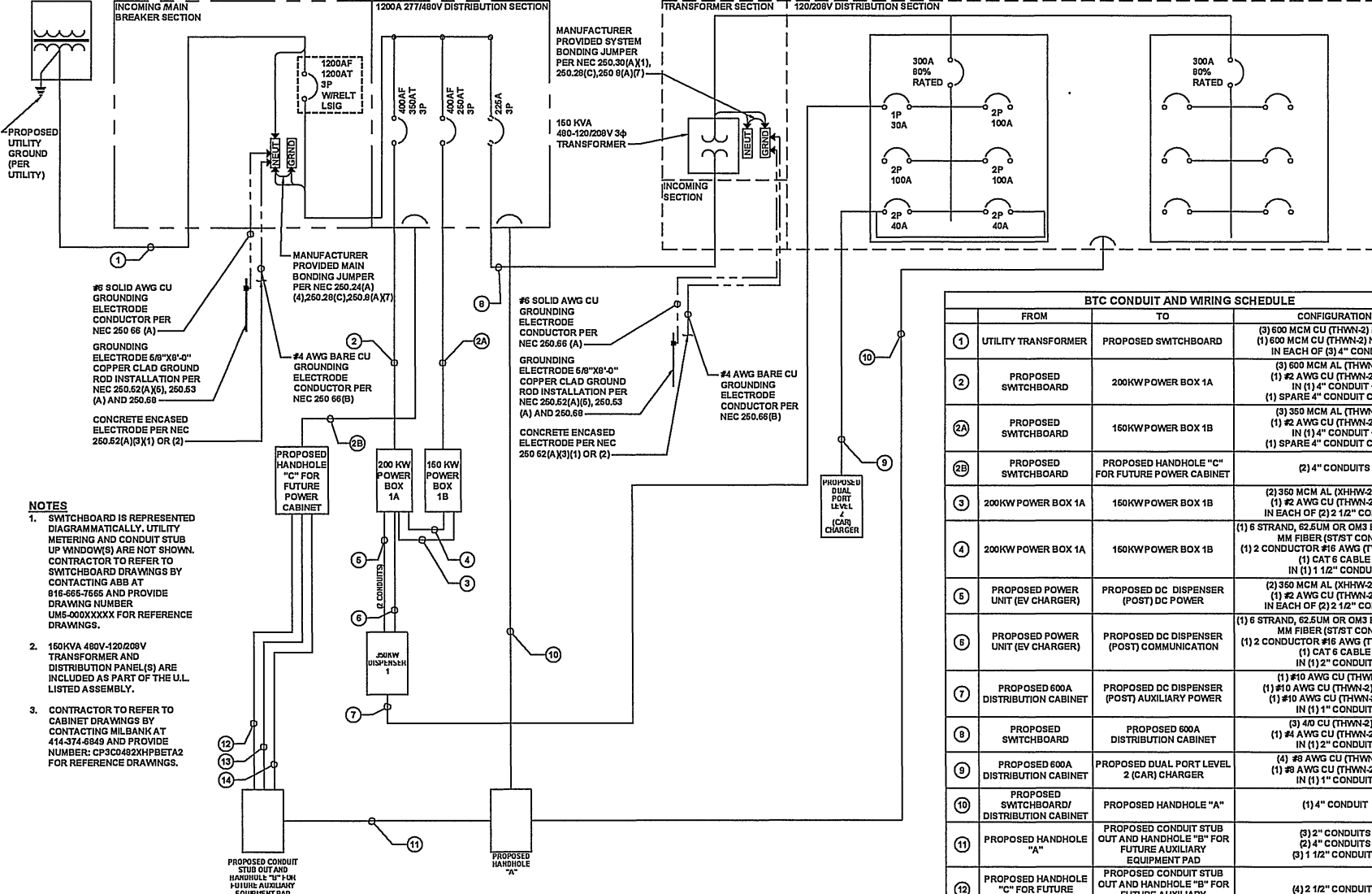
ENLARGED SITE PLAN



UTILITY TRANSFORMER
(PER UTILITY DESIGN)

1200A SWITCHBOARD 277/480V, 3φ, 4W65KAIC WITH GROUND FAULT PROTECTION (NOTE 1)

600A DISTRIBUTION CABINET WITH 160KVA, 480-120/208, 3φ, TRANSFORMER 42KAIC, NEMA 3R (NOTE 2&3)



LOAD SUMMARY @480V			
	FLA	QTY	TOTAL FLA
200KW POWER UNIT	264	1	264
160KW POWER UNIT	198	1	198
160KVA TRANSFORMER	180	1	180
TOTAL LOAD = 642A			

BTC CONDUIT AND WIRING SCHEDULE			
	FROM	TO	CONFIGURATION
1	UTILITY TRANSFORMER	PROPOSED SWITCHBOARD	(3) 600 MCM CU (THWN-2) PHASE + (1) 600 MCM CU (THWN-2) NEUTRAL IN EACH OF (3) 4" CONDUITS
2	PROPOSED SWITCHBOARD	200KW POWER BOX 1A	(3) 600 MCM AL (THWN-2) + (1) #2 AWG CU (THWN-2) EGC IN (1) 4" CONDUIT + (1) SPARE 4" CONDUIT CAPPED
2A	PROPOSED SWITCHBOARD	160KW POWER BOX 1B	(3) 350 MCM AL (THWN-2) + (1) #2 AWG CU (THWN-2) EGC IN (1) 4" CONDUIT + (1) SPARE 4" CONDUIT CAPPED
2B	PROPOSED SWITCHBOARD	PROPOSED HANDHOLE "C" FOR FUTURE POWER CABINET	(2) 4" CONDUITS
3	200KW POWER BOX 1A	160KW POWER BOX 1B	(2) 350 MCM AL (XHHW-2) 1KV + (1) #2 AWG CU (THWN-2) EGC IN EACH OF (2) 2 1/2" CONDUITS
4	200KW POWER BOX 1A	160KW POWER BOX 1B	(1) 6 STRAND, 62.5UM OR OM3 BUFFERED I/O MM FIBER (ST/ST CONN) + (1) 2 CONDUCTOR #16 AWG (TW/SH PAIR) + (1) CAT 6 CABLE IN (1) 1 1/2" CONDUIT
5	PROPOSED POWER UNIT (EV CHARGER)	PROPOSED DC DISPENSER (POST) DC POWER	(2) 350 MCM AL (XHHW-2) 1KV + (1) #2 AWG CU (THWN-2) EGC IN EACH OF (2) 2 1/2" CONDUITS
5	PROPOSED POWER UNIT (EV CHARGER)	PROPOSED DC DISPENSER (POST) COMMUNICATION	(1) 6 STRAND, 62.5UM OR OM3 BUFFERED I/O MM FIBER (ST/ST CONN) + (1) 2 CONDUCTOR #16 AWG (TW/SH PAIR) + (1) CAT 6 CABLE IN (1) 1 1/2" CONDUIT
7	PROPOSED 600A DISTRIBUTION CABINET	PROPOSED DC DISPENSER (POST) AUXILIARY POWER	(1) #10 AWG CU (THWN-2) + (1) #10 AWG CU (THWN-2) NEUT + (1) #10 AWG CU (THWN-2) EGC IN (1) 1" CONDUIT
8	PROPOSED SWITCHBOARD	PROPOSED 600A DISTRIBUTION CABINET	(3) 4/0 CU (THWN-2) + (1) #4 AWG CU (THWN-2) EGC IN (1) 2" CONDUIT
9	PROPOSED 600A DISTRIBUTION CABINET	PROPOSED DUAL PORT LEVEL 2 (CAR) CHARGER	(4) #8 AWG CU (THWN-2) + (1) #8 AWG CU (THWN-2) EGC IN (1) 1" CONDUIT
10	PROPOSED SWITCHBOARD/ DISTRIBUTION CABINET	PROPOSED HANDHOLE "A"	(1) 4" CONDUIT
11	PROPOSED HANDHOLE "A"	PROPOSED CONDUIT STUB OUT AND HANDHOLE "B" FOR FUTURE AUXILIARY EQUIPMENT PAD	(3) 2" CONDUITS (2) 4" CONDUITS (3) 1 1/2" CONDUITS
12	PROPOSED HANDHOLE "C" FOR FUTURE POWER CABINET	PROPOSED CONDUIT STUB OUT AND HANDHOLE "B" FOR FUTURE AUXILIARY EQUIPMENT PAD	(4) 2 1/2" CONDUITS
13	PROPOSED HANDHOLE "C" FOR FUTURE POWER CABINET	PROPOSED CONDUIT STUB OUT AND HANDHOLE "B" FOR FUTURE AUXILIARY EQUIPMENT PAD	(2) 2" CONDUIT
14	PROPOSED HANDHOLE "C" FOR FUTURE POWER CABINET	PROPOSED CONDUIT STUB OUT AND HANDHOLE "B" FOR FUTURE AUXILIARY EQUIPMENT PAD	(2) 1" CONDUIT

- NOTES**
- SWITCHBOARD IS REPRESENTED DIAGRAMMATICALLY. UTILITY METERING AND CONDUIT STUB UP WINDOW(S) ARE NOT SHOWN. CONTRACTOR TO REFER TO SWITCHBOARD DRAWINGS BY CONTACTING ABB AT 816-666-7665 AND PROVIDE DRAWING NUMBER UMS-000XXXXX FOR REFERENCE DRAWINGS.
 - 160KVA 480V-120/208V TRANSFORMER AND DISTRIBUTION PANEL(S) ARE INCLUDED AS PART OF THE U.L. LISTED ASSEMBLY.
 - CONTRACTOR TO REFER TO CABINET DRAWINGS BY CONTACTING MILBANK AT 414-374-6849 AND PROVIDE NUMBER: CP3C0482XHPBETA2 FOR REFERENCE DRAWINGS.



BETA TECHNOLOGIES
1160 AIRPORT DRIVE
SOUTH BURLINGTON, VT 05400

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BLACK & VEATCH

11401 LAMAR AVENUE
OVERLAND PARK, KS 66211
(913) 488-2000

PROJECT NO: 410112
DRAWN BY: GJS
CHECKED BY: NMB

REV	DATE	DESCRIPTION
1	02/19/24	REISSUED FOR CONSTRUCTION
0	02/06/24	ISSUED FOR CONSTRUCTION

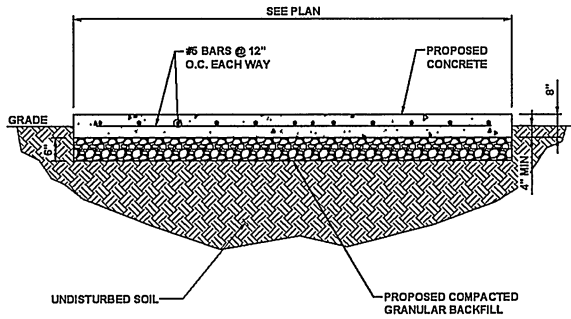
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FL-CEW CRESTVIEW
BOB SKES AIRPORT
5551 JOHN GIVENS RD
CRESTVIEW, FL 32539

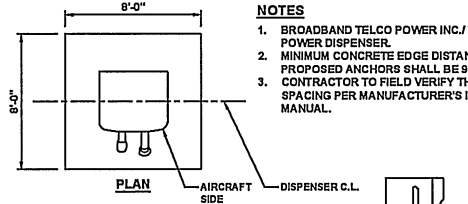
SHEET TITLE
SINGLE LINE DIAGRAM

SHEET NUMBER
E-3

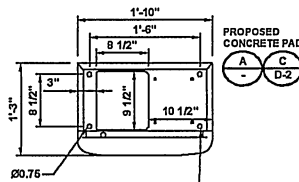
NOTE
1. 3/4" CHAMFER ON ALL EXPOSED EDGES OF CONCRETE.



NOTES
1. BROADBAND TELCO POWER INC./BTC POWER DC POWER DISPENSER.
2. MINIMUM CONCRETE EDGE DISTANCE FOR PROPOSED ANCHORS SHALL BE 6".
3. CONTRACTOR TO FIELD VERIFY THE ANCHOR SPACING PER MANUFACTURER'S INSTALLATION MANUAL.



INSTALLATION FOOTER

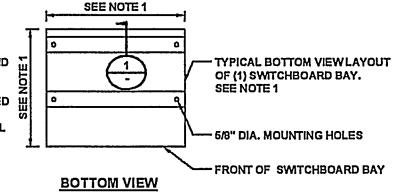


(4) 1/2" DIA. HILTI KWIK BOLT TZ2 SS 304/316 MECHANICAL ANCHOR WITH MINIMUM EFFECTIVE EMBEDMENT OF 3 1/4" OR ENGINEER APPROVED EQUAL. (ESR# 4268)

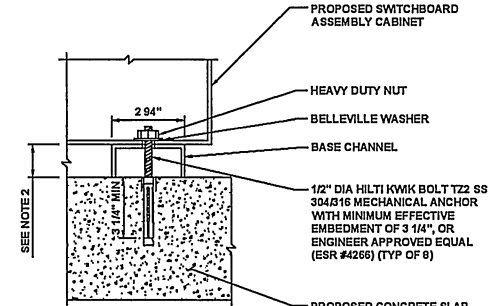
SIDE

NOTES

1. SEE FLOOR PLAN IN REFERENCED SWITCHBOARD ASSEMBLY DRAWINGS FOR MOUNTING HOLE LOCATION AND SWITCHBOARD BAY DIMENSIONS.
2. SEE ELEVATION IN REFERENCED SWITCHBOARD ASSEMBLY DRAWINGS FOR BASE CHANNEL DIMENSION.
3. MINIMUM CONCRETE EDGE DISTANCE FOR PROPOSED ANCHORAGE IS 6 INCHES.



BOTTOM VIEW



SECTION 1

CONCRETE PAD DETAIL

NO SCALE

A

DISPENSER ANCHORAGE AND FOUNDATION DETAIL

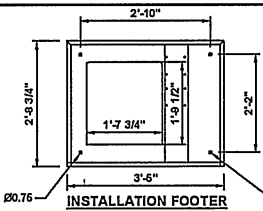
NO SCALE

B

SWITCHBOARD ANCHORAGE DETAIL

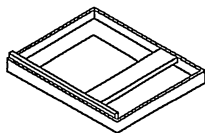
NO SCALE

C



NOTES
1. MINIMUM CONCRETE EDGE DISTANCE FOR PROPOSED ANCHORS SHALL BE 6".
2. ALL DIMENSIONS ARE IN INCHES.

(4) 1/2" DIA. HILTI KWIK BOLT TZ2 SS 304/316 MECHANICAL ANCHOR WITH MINIMUM EFFECTIVE EMBEDMENT OF 3 1/4" OR ENGINEER APPROVED EQUAL. (ESR# 4268)



ISOMETRIC VIEW



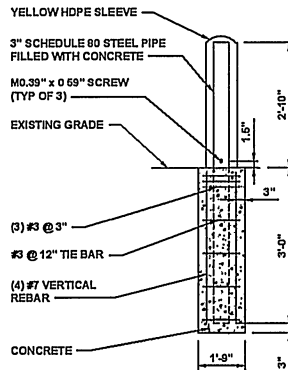
FRONT VIEW

POWER UNIT ANCHORAGE DETAIL

NO SCALE

D

NOTES
1. BOLLARD IS FOR WARNING PURPOSES ONLY.
2. BOLLARD DETAIL FOR BOLLARDS AROUND EV EQUIPMENT.
3. CONTRACTOR TO PROVIDE (2) 6' LONG, 12" THICK FOAM STRIPS CROSSED OVER TOP OF STEEL PIPE TO STABILIZE SLIP COVER.



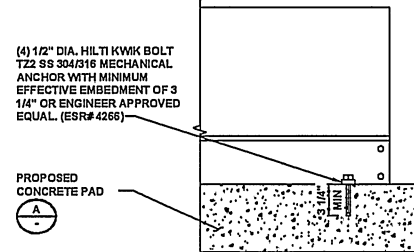
HDPE WARNING BOLLARD DETAIL

NO SCALE

E

NOTE

1. MINIMUM CONCRETE EDGE DISTANCE FOR PROPOSED ANCHORS SHALL BE 6".



DISTRIBUTION CABINET ANCHORAGE DETAIL

NO SCALE

F



BETA TECHNOLOGIES
1180 AIRPORT DRIVE
SOUTH BURLINGTON, VT 05403

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11401 LAMAR AVENUE
OVERLAND PARK, KS 66211
913 456-2000

PROJECT NO: 410112
DRAWN BY: GJS
CHECKED BY: NMB

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CRESTVIEW, FL 32539

SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER

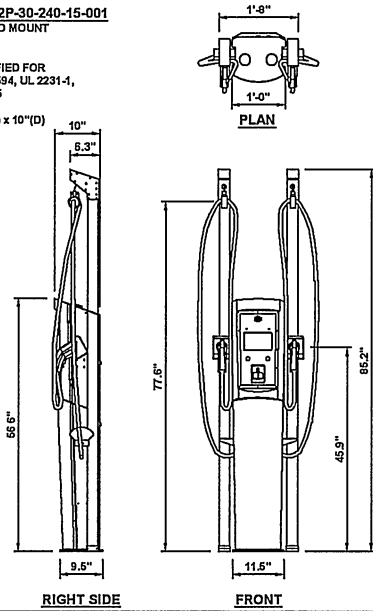
D-1

LEVEL 2 - BTC1 POWER L2P-30-240-15-001
 MODEL: 6" DUAL PORT BOLLARD MOUNT

SAFETY COMPLIANCE:
 UL LISTED FOR USA cUL CERTIFIED FOR CANADA; COMPLIES WITH UL 2694, UL 2231-1, UL 2231-2 AND NEC ARTICLE 625

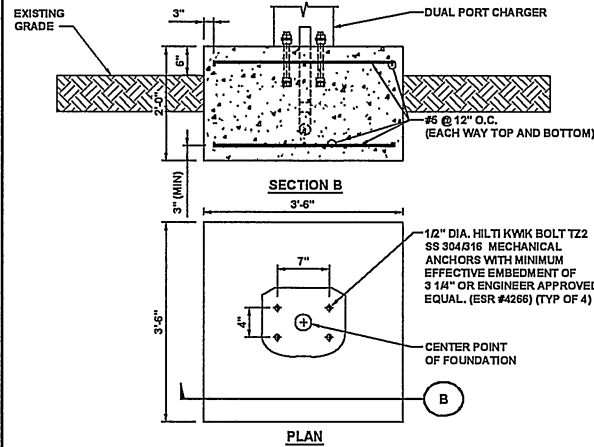
DIMENSIONS: 65.2"(H) x 21.9"(W) x 10"(D)

WEIGHT: 100 LB



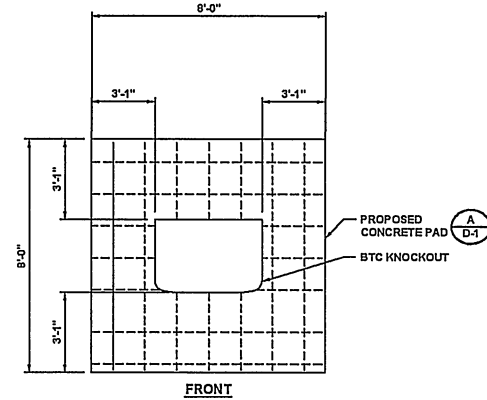
NOTES

- EQUIPMENT SHALL BE CENTERED ON FOUNDATION.
- MINIMUM CONCRETE EDGE DISTANCE FOR PROPOSED ANCHORAGE IS 6 INCHES.
- 3/4" CHAMFER ON ALL EXPOSED EDGES OF CONCRETE.



NOTES

- ORIENTATION OF EQUIPMENT DEFINED AS FRONT DETAILING DIRECTION OF RECEPTABLES.
- BEGIN REBAR 6" FROM REAR EDGE OF PAD.



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 1190 AIRPORT DRIVE
 SOUTH BURLINGTON, VT 05403

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11401 LAMAR AVENUE
 OVERLAND PARK, KS 66211
 (913) 455-2000

PROJECT NO:	410112
DRAWN BY:	GJS
CHECKED BY:	NWB

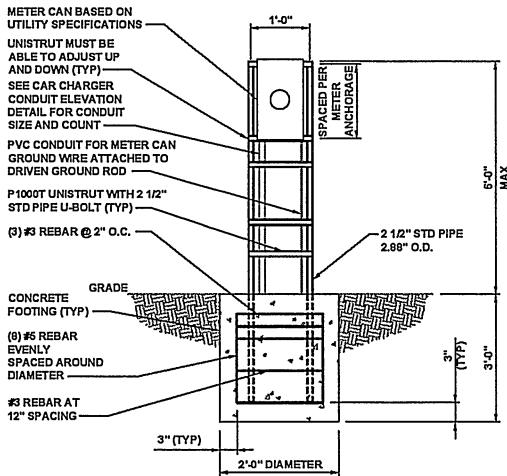
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 5551 JOHN GIVENS RD
 CRESTVIEW, FL 32539

SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
D-2



STANDALONE METER CAN UNISTRUT SUPPORT

NO SCALE

D

DETAIL NOT USED

NO SCALE

E

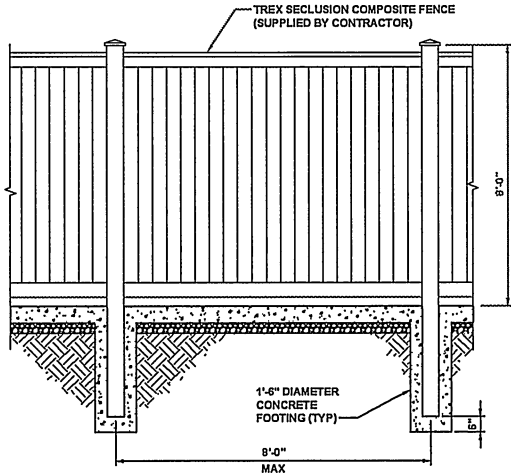
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NO SCALE

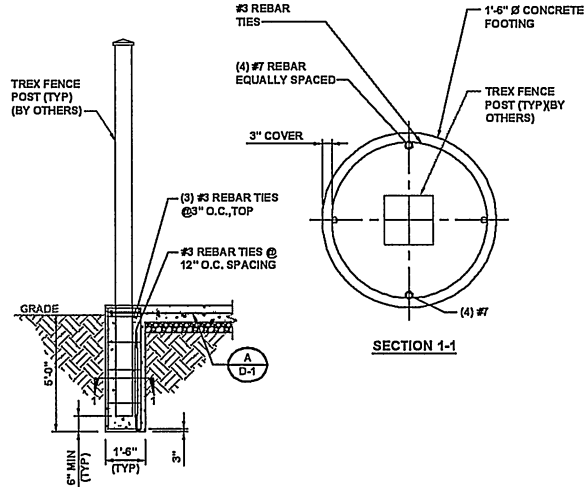
F

NOTES

- COLOR: WINCHESTER GREY
- PROPOSED TREX SECLUSION COMPOSITE FENCE SHALL MEET THE FOLLOWING REQUIREMENTS. WIND SPEED = 143 MPH, SEISMIC: SDS = 0.110G, SEISMIC DESIGN CATEGORY B.



TREX FENCE ELEVATION



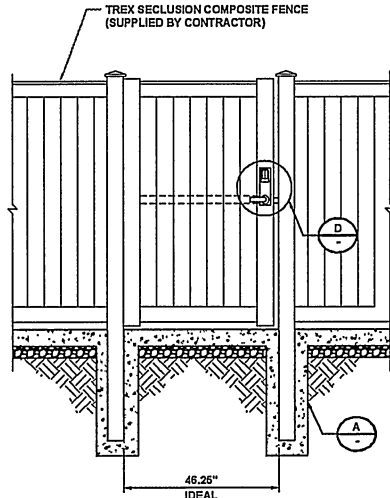
TYPICAL TREX FENCE ELEVATION

TYPICAL TREX FENCE DETAIL

NO SCALE A

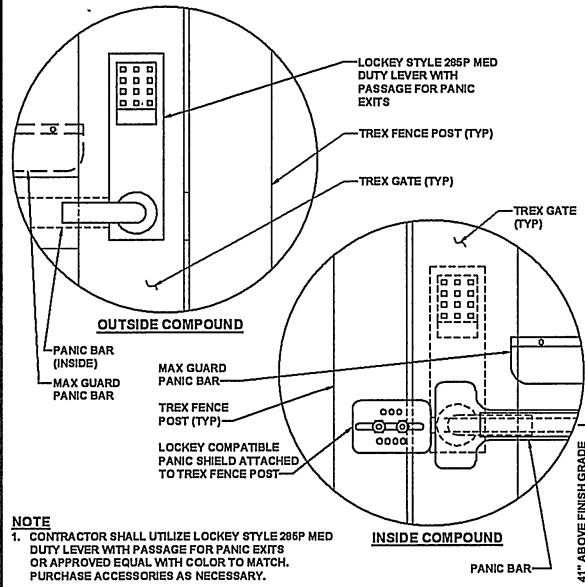
DETAIL NOT USED

NO SCALE B



SINGLE GATE DETAIL

NO SCALE C



OUTSIDE COMPOUND

INSIDE COMPOUND

NOTE
1. CONTRACTOR SHALL UTILIZE LOCKEY STYLE 285P MED DUTY LEVER WITH PASSAGE FOR PANIC EXITS OR APPROVED EQUAL WITH COLOR TO MATCH. PURCHASE ACCESSORIES AS NECESSARY.

SINGLE GATE LOCK DETAIL W/ KEYPAD

NO SCALE D

DETAIL NOT USED

NO SCALE E



BETA TECHNOLOGIES
1180 AIRPORT DRIVE
SOUTH BURLINGTON, VT 05403

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OVERLAND PARK, KS 66211
(913) 459-2000

PROJECT NO: 410112
DRAWN BY: QJS
CHECKED BY: NMB

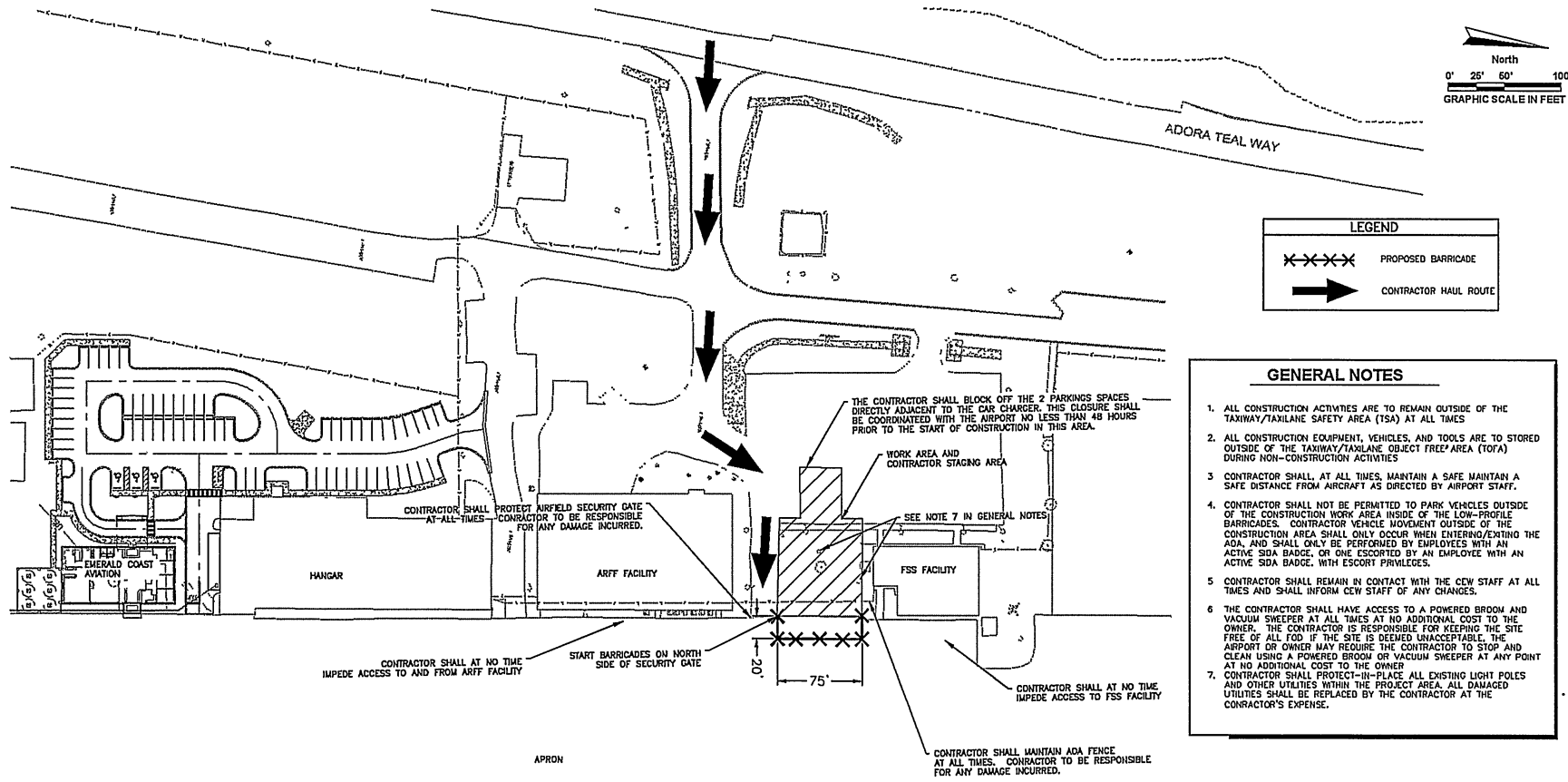
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FL-CEW CRESTVIEW
BOB SIKES AIRPORT
5554 JOHN GIVENS RD
CRESTVIEW, FL 32539

SHEET TITLE
FENCE DETAILS

SHEET NUMBER
D-3



BETA TECHNOLOGIES
1150 AIRPORT DRIVE
SOUTH BURLINGTON, VT 05403

AVCON, INC.
ENGINEERS & PLANNERS
1119 JEFFERSON LANE, SUITE 4 - HARTFORDVILLE AL 3601
OFFICE 205/837-1115
CORPORATE CERTIFICATE OF AUTHORIZATION NUMBER: 3607
www.avcon.com

PROJECT NO:	410112
DRAWN BY:	EWR
CHECKED BY:	MB

REV	DATE	DESCRIPTION

Eric W. Roden
No. 83631
STATE OF FLORIDA
PROFESSIONAL ENGINEER

This Seal has been digitally signed and sealed by ERIC W. RODEN, FL PE # 83631. Print out copies of this document to not be considered signed and sealed and the signature must be verified on any electronic copies.

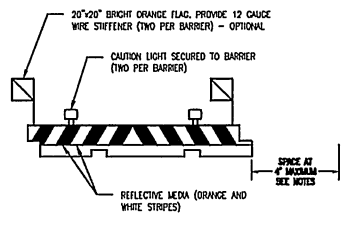
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CEW - CRESTVIEW
5535 JOHN GIVENS RD
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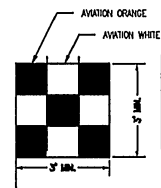
SHEET TITLE
CONSTRUCTION SAFETY
AND PHASING PLAN

SHEET NUMBER
G001

- LOW-PROFILE BARRICADE NOTES**
1. FRANGIBLE, LOW PROFILE BARRICADES SHALL BE USED WHERE WORK IS ADJACENT TO ACTIVE AIRCRAFT RUNWAYS, TAXIWAYS, TAXILANES, OR APRONS, OR AS SHOWN ON THE PLANS. CAUTION LIGHTS TO BE HIGH INTENSITY RED IN COLOR AND FLASHING DURING HOURS OF BUSINESS. BARRICADE LIGHTS SHALL BE 300 OMNIDIRECTIONAL. ALL BARRICADE LIGHTING SHALL BE VERIFIED BY THE CONTRACTOR FOR PROPER OPERATION AT THE END OF EACH DAY OR NIGHT BEFORE CONTRACTOR CEASES OPERATION.
 2. BARRICADES SHALL NOT BE PLACED INSIDE ANY ACTIVE RUNWAY SAFETY AREA, OR INSIDE ANY ACTIVE TAXIWAY OR TAXILANE OBJECT FREE AREA.
 3. ALL BARRICADES SHALL BE CHECKED VISUALLY FOR SIGNS OF WEAR AND TEAR ON A WEEKLY BASIS AND SHALL BE REPAIRED WHEN DEEMED APPROPRIATE BY THE CONSTRUCTION MANAGER. THE CONDITIONS OF LIGHTING UNITS SHALL BE CHECKED DAILY. ALL LIGHT FIXTURES SHALL BE VERIFIED OPERATING BY THE CONTRACTOR ON A DAILY BASIS BEFORE THE CONTRACTOR CEASES OPERATION FOR THE DAY.
 4. ALL BARRICADES SHALL BE MOVED AT LEAST ONCE A WEEK AND THE CONTRACTOR SHALL SHEEP THE DEBRIS WHICH HAS ACCUMULATED AND REMOVE FROM THE SITE. THE BARRICADES SHALL THEN BE REPLACED AT THE APPROPRIATE LOCATION.
 5. BARRICADES SHALL BE SPACED 4' MAXIMUM, END-TO-END, OR AS DIRECTED BY THE CONSTRUCTION MANAGER. AT LEAST ONE 15' GIP IN EACH LINE OF BARRICADES SHALL BE PROVIDED FOR EMERGENCY VEHICLE ACCESS.
 6. CAUTION LIGHTS SHALL BE RED IN COLOR AND FLASHING OR STEADY BURNING DURING HOURS OF DARKNESS.
 7. ALL BARRICADES SHALL BE SECURED IN PLACE AGAINST MOVEMENT OR JET BLAST BY FILLING WITH WATER OR WEIGHING DOWN WITH (2) 50-LB SAND BAGS.
 8. OWNER MUST APPROVE LAYOUT OF BARRICADES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CEW STAFF AT THE BEGINNING AND END OF EACH WORK SHIFT FOR AN INSPECTION OF THE WORK AREA.



LOW-PROFILE BARRICADE
NTS



AVIATION FLAG - OPTIONAL
NTS

THE CONTRACTOR SHALL PROMINENTLY DISPLAY AVIATION SAFETY FLAGS ON ALL CONSTRUCTION VEHICLES AND EQUIPMENT AT THE HIGHEST POINT ON EACH PIECE OF CONSTRUCTION EQUIPMENT.

GENERAL NOTES:

- CONTRACTOR SHALL PROTECT ALL EXISTING LANDSCAPING, SIDEWALKS, PAVEMENTS, CURBS, AND SOD NOT SPECIFIED FOR REMOVAL. IN THESE PLANS, ANY DAMAGE TO THE EXISTING IMPROVEMENTS SHALL BE RESTORED BY THE CONTRACTOR AT NO COST TO THE OWNER, UNLESS OTHERWISE SPECIFIED HEREIN. UNLESS OTHERWISE SPECIFIED, ALL WORK SHALL BE PERFORMED CONSISTENT WITH THE FOLLOWING SPECIFICATIONS: OAKLAND COUNTY AND F.A.S. THIS DESIGN HAS BEEN BASED UPON A FIELD SURVEY BY NOBLES CONSULTING GROUP, PROJECT NO. D188.005, DATE: 10/02/2017, AVCON INC., MAKES NO ASSURANCES REGARDING THE ACCURACY OF SUCH SURVEY.
- CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE, INCLUDING ALL SURFACE AND SUB-SURFACE CONDITIONS, THE WORK REQUIRED AND ALL OTHER CONDITIONS THAT MAY AFFECT THE SUCCESSFUL COMPLETION OF THE JOB PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL OBEY ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND PERMIT CONDITIONS BEARING ON THE CONDUCT OF THE WORK, AS DRAWN AND SPECIFIED. IF THE CONTRACTOR OBSERVES THAT THE DRAWINGS AND SPECIFICATIONS ARE AT VARIANCE THEREWITH, HE SHALL PROMPTLY NOTIFY THE ENGINEER, IN WRITING, AND ANY NECESSARY CHANGES SHALL BE ADJUSTED, AS PROVIDED IN THE AGREEMENT FOR CHANGES IN THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER AND THE ENGINEER FOR THE ACTS AND OMISSIONS OF CONTRACTOR'S EMPLOYEES AND ALL HIS SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH GOVERNMENTAL DEPARTMENTS, PUBLIC UTILITIES, PUBLIC CARRIERS, SERVICE COMPANIES, AND CORPORATIONS OWNING OR CONTROLLING ROADWAYS, RAILWAYS, WATER, SEWER, GAS, ELECTRICAL, TELEPHONE, AND TELEGRAPH FACILITIES SUCH AS PAVEMENTS, TRACKS, PIPING, WIRES, CABLES, CONDUITS, POLES, GUYS, OR OTHER SIMILAR FACILITIES, INCLUDING INCIDENTAL STRUCTURES CONNECTED THEREWITH THAT ARE ENCLOSED IN THE WORK IN ORDER THAT SUCH ITEMS MAY BE PROPERLY SUPPORTED, PROTECTED OR LOCATED.
- UNLESS OTHERWISE SPECIFIED IN THE GENERAL CONDITIONS, ALL CONSTRUCTION IS TO BE GOVERNED BY THE PLANS, APPLICABLE PERMITS, AND SPECIFICATIONS HEREIN, AND ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING AND SAFETY CODES, LAWS AND ORDINANCES.
- PRIOR TO PERFORMING ANY WORK WITHIN ANY PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL DEVELOP AND SUBMIT A TRAFFIC CONTROL PLAN CONSISTENT WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES* PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.
- IN THE EVENT THE CONTRACTOR DISCOVERS ANY ERRORS OR OMISSIONS IN THE PLANS HE SHALL IMMEDIATELY NOTIFY THE OWNER OR OWNER'S AGENT.
- CONTRACTOR SHALL PRESERVE AND PROTECT ALL PERMANENT REFERENCE MONUMENTS, PERMANENT CONTROL POINTS, PERMANENT MARKS AND PROPERTY CORNERS. IN THE EVENT THE MONUMENTS, POINTS OR MARKERS ARE DISTURBED THE CONTRACTOR SHALL EMPLOY A FLORIDA REGISTERED LAND SURVEYOR TO RESET OR REPLACE THEM.
- THE OWNER, OWNER'S AGENT AND INSPECTORS OF APPLICABLE GOVERNMENT JURISDICTIONS, SHALL AT ALL TIMES HAVE ACCESS TO THE WORK WHEREVER AND WHICHEVER IT IS IN PREPARATION OR PROGRESS; AND THE CONTRACTOR SHALL PROVIDE PROPER FACILITIES FOR SUCH ACCESS AND FOR THE INSPECTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL REASONABLE AND PRUDENT PRECAUTIONS TO INSURE THAT ALL COMPLETED WORK, MATERIALS AND EQUIPMENT STORED ON SITE ARE SAFE AND SECURED FROM UNAUTHORIZED ACCESS OR LOSS. SUCH PRECAUTIONS MAY INCLUDE INSTALLATION OF SIGNS, FENCES, OR POSTING OF SECURITY GUARDS.
- CONTRACTOR SHALL, AT ALL TIMES, UTILIZE ALL NORMALLY ACCEPTED AND REASONABLY EXPECTED SAFETY PRACTICES AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND GUIDELINES PERTAINING TO SAFE UTILIZATION OF EQUIPMENT OR MATERIALS AS PUBLISHED BY MANUFACTURER.
- PRIOR TO INITIATING ANY EXCAVATION (INCLUDING BUT NOT LIMITED TO TUNNELS, DITCHES, STORMWATER PONDS, CANALS, ARTIFICIAL LAKES) CONTRACTOR SHALL INSTALL FENCES AND TAKE ALL OTHER REASONABLE AND PRUDENT STEPS TO ENSURE THAT ACCESS TO EXCAVATION BY UNAUTHORIZED PERSONNEL IS PREVENTED.
- THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE ALL REASONABLE PROTECTION TO PREVENT DAMAGE, INJURY OR LOSS TO.
 - ALL EMPLOYEES ON THE WORK AND ALL OTHER PERSONS WHO MAY BE AFFECTED THEREBY;
 - ALL THE WORK AND ALL MATERIALS AND EQUIPMENT TO BE INCORPORATED THEREIN, WHETHER IN STORAGE ON OR OFF THE SITE, UNDER THE CARE, CUSTODY OR CONTROL OF THE CONTRACTOR OR ANY OF ITS SUBCONTRACTORS; AND
 - OTHER PROPERTY AT THE SITE OR ADJACENT THERETO, INCLUDING TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAY, STRUCTURES AND UTILITIES NOT DESIGNATED FOR DEMOLITION IN THE COURSE OF CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN PUBLIC ACCESS ON PUBLIC ROADS AT ALL TIMES.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY CODES AND WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC, QUASI PUBLIC OR OTHER AUTHORITY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY OR FOR THEIR PROTECTION AGAINST DAMAGE, INJURY OR LOSS, OR DESIGNED TO PROTECT THE ENVIRONMENT. THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE SAFEGUARDS FOR SAFETY AND PROTECTION, INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS, PROMULGATING SAFETY REGULATIONS AND NOTIFYING OWNERS AND USERS OF ADJACENT UTILITIES OF THE EXISTENCE OF HAZARDS AND OF THE SAFETY REGULATIONS.
- ALL DAMAGE OR LOSS TO ANY PROPERTY REFERRED TO IN CLAUSES 14(B) AND 14(C) CAUSED IN WHOLE OR IN PART BY THE CONTRACTOR, A SUBCONTRACTOR, OR BY ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, SHALL BE REPAIRED BY THE CONTRACTOR, EXCEPT DAMAGE OR LOSS PROPERLY ATTRIBUTABLE SOLELY TO THE ACTS OR OMISSIONS OF THE OWNER, OR THE ENGINEER OR ANYONE EMPLOYED BY THEM, OR FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, AND NOT PROPERLY ATTRIBUTABLE IN WHOLE OR IN PART TO THE FAULT OR NEGLIGENCE OF THE CONTRACTOR.
- UNTIL FINAL ACCEPTANCE OF THE WORK BY OWNER, THE CONTRACTOR SHALL HAVE THE CHARGE AND CARE OF AND SHALL BEAR THE RISK OF INJURY OR DAMAGE, LOSS OR EXPENSE TO ANY PART THEREOF, OR TO ANY MATERIALS STORED ON SITE, BY THE ACTION OF THE ELEMENTS OR FROM ANY OTHER CAUSE WHETHER ARISING FROM THE EXECUTION OR NON-EXECUTION OF THE WORK. THE CONTRACTOR SHALL REBUILD, REPAIR, RESTORE AND MAKE GOOD ALL INJURES OR DAMAGES TO ANY PORTION OF THE WORK OCCASIONED BY ANY OF THE ABOVE CAUSES BEFORE FINAL ACCEPTANCE AND SHALL BEAR THE EXPENSES THEREOF.
- THOSE PARTS OF WORK IN PLACE WHICH ARE SUBJECT TO DAMAGE BECAUSE OF OPERATIONS BEING CARRIED ON ADJACENT THERETO SHALL BE COVERED, BOARDED UP OR SUBSTANTIALLY ENCLOSED WITH ADEQUATE PROTECTION BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
- PERMANENT OPENINGS USED AS THOROUGHFARES FOR THE INTRODUCTION OF WORK AND MATERIALS TO THE STRUCTURE AND BOARDING SHALL BE BLOCKED AND BOARDED BY THE CONTRACTOR. OWNER RETAINS THE AUTHORITY, BUT ASSUMES NO DUTY, TO ESTABLISH STANDARDS OF PROTECTION, AND TO REVIEW THE EFFICIENCY OF PROTECTIVE MEASURES TAKEN BY THE CONTRACTOR.
- ADEQUATE TRAFFIC CONTROL, BARRICADES AND FLAGMAN SERVICES SHALL BE FURNISHED AND MAINTAINED BY THE CONTRACTOR AT ALL POINTS WHERE MOVING EQUIPMENT ENGAGED ON THE WORK REGULARLY ENTERS ONTO OR CROSSES TRAFFIC-CARRYING ROADS.

- THE CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE FEDERAL OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970 AND ALL RULES AND REGULATIONS NOW OR HEREAFTER IN EFFECT UNDER SAID ACT, AND THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY AND ALL APPLICABLE STATE LAWS AND REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH.
- THE CONTRACTOR SHALL PROTECT AND KEEP OWNER (INCLUDING THEIR AGENTS AND EMPLOYEES) FREE AND HARMLESS FROM ANY AND ALL LIABILITY, PUBLIC OR PRIVATE, PENALTIES, CONTRACTUAL OR OTHERWISE, LOSSES, DAMAGES, COSTS, ATTORNEY'S FEES, EXPENSES, CAUSES OF ACTION, CLAIMS OR JUDGMENTS RESULTING FROM THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AS AMENDED OR ANY RULE OR REGULATION PROMULGATED THEREUNDER OR OF ANY STATE LAWS OR REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF WORK OR WORK TO BE PERFORMED UNDER THIS CONTRACT, AND CONTRACTOR SHALL INDEMNIFY OWNER FROM ANY SUCH CLAIMS, PENALTIES, SUITS OR ACTIONS, PUBLIC OR PRIVATE, ADMINISTRATIVE OR JUDICIAL, INCLUDING ATTORNEY'S FEES PAID OR INCURRED BY OR ON BEHALF OF OWNER, JOINTLY OR SEVERALLY, AND/OR THEIR AGENTS AND EMPLOYEES. THE CONTRACTOR FURTHER AGREES, IN THE EVENT OF A CLAIMED VIOLATION OF ANY FEDERAL OR STATE SAFETY AND HEALTH LAW OR REGULATION ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF WORK OR WORK TO BE PERFORMED UNDER THIS CONTRACT, OWNER MAY IMMEDIATELY TAKE WHATEVER ACTION IS DEEMED NECESSARY BY OWNER TO REMEDY THE CLAIMED VIOLATION, ANY AND ALL COSTS OR EXPENSES PAID OR INCURRED BY OWNER IN TAKING SUCH ACTION SHALL BE BORNE BY CONTRACTOR, AND CONTRACTOR AGREES TO PROTECT, HOLD HARMLESS AND INDEMNIFY OWNER AGAINST ANY AND ALL SUCH COSTS OR EXPENSES.
- ALL WORK PERFORMED UNDER THE CONTRACT, AND ALL EQUIPMENT, APPLIANCES, TOOLS AND LIKE ITEMS USED IN THE WORK SHALL CONFORM TO APPLICABLE SAFETY CODES AND REGULATIONS OF ANY PUBLIC OR OTHER AUTHORITY HAVING JURISDICTION. IN THE EVENT OF CONFLICTING REQUIREMENTS, THE MORE STRINGENT INTERPRETATION OR REGULATION SHALL GOVERN.
- THE CONTRACTOR SHALL IMPLEMENT THE PROPOSED EROSION CONTROL PLAN TO MINIMIZE EROSION AND ENSURE FUNCTIONING OF STORMWATER MANAGEMENT SYSTEM DURING CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL PROVIDE AS-BUILT'S ENSURING THE STORMWATER MANAGEMENT SYSTEM IS OPERATING AS DESIGNED.
- CONTRACTOR AND ITS SUBCONTRACTORS SHALL USE, HANDLE, TRANSPORT, AND DISPOSE OF ALL HAZARDOUS MATERIALS (AS DEFINED PARAGRAPH 34) IN COMPLIANCE WITH ALL PRESENT FEDERAL, STATE AND LOCAL ENVIRONMENTAL, HEALTH OR SAFETY LAWS, INCLUDING, BUT NOT LIMITED TO, ALL SUCH STATUTES, REGULATIONS, RULES, ORDINANCES, CODES AND RULES OF COMMON LAW.
- CONTRACTOR FURTHER AGREES THAT CONTRACTOR AND ITS SUBCONTRACTORS SHALL NOT CAUSE THE DISCHARGE, RELEASE OR DISPOSAL OF ANY HAZARDOUS MATERIAL CREATED BY ITS WORK ON OR ABOUT THE JOB SITE, IN THE EVENT OF ANY SPILL, LEAK, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS OR PROPERTY.
- CONTRACTOR AND ITS SUBCONTRACTORS SHALL, UPON COMPLETION OF PERFORMANCE OF ALL DUTIES UNDER THIS CONTRACT, REMOVE ALL SUPPLIES, MATERIALS, AND WASTE CONTAINING AND HAZARDOUS MATERIAL FROM THE JOB SITE. CONTRACTOR SHALL BEAR FULL FINANCIAL RESPONSIBILITY, AS BETWEEN THE PARTIES OF THIS CONTRACT, FOR THE COMPLIANCE OF CONTRACTOR AND ITS SUBCONTRACTORS WITH THE PROVISIONS OF THIS PARAGRAPH 34.
- CONTRACTOR AGREES TO INDEMNIFY, DEFEND, PROTECT AND HOLD THE OWNER HARMLESS FROM AND AGAINST ANY CLAIMS INCLUDING, WITHOUT LIMITATION, ACTUAL ATTORNEY'S FEES AND ANY COSTS OF INVESTIGATION, SOILS TESTING, GOVERNMENTAL APPROVALS, REMEDIATION AND CLEAN-UP ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE FAILURE OF CONTRACTOR OR ITS SUBCONTRACTORS, OR THEIR AGENTS, EMPLOYEES, OFFICERS, OR REPRESENTATIVES, TO COMPLY WITH THE TERMS OF THIS SECTION.
- SHOULD CONTRACTOR OR ITS SUBCONTRACTORS DISCHARGE, RELEASE OR DISPOSE OF ANY HAZARDOUS MATERIAL ON OR ABOUT THE JOB SITE IN VIOLATION OF THIS PARAGRAPH, CONTRACTOR SHALL IMMEDIATELY SO INFORM OWNER IN WRITING. IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS OR PROPERTY.
- IN THE EVENT CONTRACTOR OR ITS SUBCONTRACTORS ENCOUNTER ON THE PREMISES ANY PIPELINE, UNDERGROUND STORAGE TANK OR OTHER CONTAINER, OF ANY KIND, THAT MAY CONTAIN A HAZARDOUS MATERIAL, OR ENCOUNTER MATERIAL REASONABLY BELIEVED TO BE A HAZARDOUS MATERIAL, CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO OWNER IN WRITING.
- IF CONTRACTOR OR ITS SUBCONTRACTORS DO NOT COMPLY WITH THE HAZARDOUS MATERIAL REQUIREMENTS, OWNER MAY, BUT IS NOT OBLIGATED TO, GIVE WRITTEN NOTICE OF VIOLATION TO CONTRACTOR. SHOULD CONTRACTOR OR ITS SUBCONTRACTORS FAIL TO COMPLY WITH THE REQUIREMENTS OF THIS PARAGRAPH WITHIN TWENTY-FOUR (24) HOURS FROM THE TIME OWNER ISSUES SUCH WRITTEN NOTICE OF NONCOMPLIANCE OR WITHIN THE TIME OF AN ABATEMENT PERIOD SPECIFIED BY ANY GOVERNMENTAL AGENCY, WHICHEVER PERIOD IS SHORTER, CONTRACTOR SHALL BE IN MATERIAL DEFAULT OF THIS CONTRACT.
- "HAZARDOUS MATERIAL" MEANS ANY SUBSTANCE:
 - THE PRESENCE OF WHICH REQUIRES INVESTIGATION OR REMEDIATION UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, ORDINANCE, RULE, CODE, ORDER, ACTION, POLICY OR COMMON LAW; OR
 - WHICH IS OR BECOMES DEFINED AS A "HAZARDOUS WASTE," "HAZARDOUS SUBSTANCE," "POLLUTANT OR CONTAMINANT UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, RULE OR ORDINANCE OR AMENDMENTS THERETO INCLUDING, WITHOUT LIMITATION, THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (42 U.S.C. SECTIONS 9601 ET SEQ.) AND/OR THE RESOURCE CONSERVATION AND RECOVERY ACT (42 U.S.C. SECTIONS 8901 ET SEQ.), OR
 - WHICH IS TOXIC, EXPLOSIVE, CORROSIVE, FLAMMABLE, INFECTIOUS, RADIOACTIVE, CARCINOGENIC, MUTAGENIC, OR OTHERWISE HAZARDOUS AND IS REGULATED BY ANY GOVERNMENTAL AUTHORITY, AGENCY, DEPARTMENT, COMMISSION, BOARD, AGENCY OR INSTRUMENTALITY OF THE UNITED STATES, THE STATE IN WHICH THE PREMISES ARE LOCATED OR ANY POLITICAL SUBDIVISION THEREOF, OR
 - THE PRESENCE OF WHICH ON THE PREMISES CAUSES OR THREATENS TO CAUSE A NUISANCE UPON THE PREMISES OR TO ADJACENT PROPERTIES OR POSSES OR THREATENS TO POSE A HAZARD TO THE HEALTH OR SAFETY OF PERSONS ON OR ABOUT THE PREMISES, OR
 - WHICH CONTAINS GASOLINE, DIESEL FUEL OR OTHER PETROLEUM HYDROCARBONS, OR
 - WHICH CONTAINS POLYCHLORINATED BIPHENYL (PCBS), ASBESTOS, LEAD OR UREA FORMALDEHYDE FOAM INSULATION.
- THE EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AS TO SIZE, LOCATION, AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
- IF ANY TESTING, INSPECTION OR APPROVAL REVEALS DEFECTIVE WORK, CONTRACTOR SHALL NOT BE ALLOWED TO RECEIVE ANY ASSOCIATED COSTS AND THE OWNER SHALL BE ENTITLED TO DEDUCT FROM THE CONTRACT PRICE, BY ISSUING A CHANGE ORDER, OWNER'S COSTS ARISING OUT OF THE DEFECTIVE WORK, INCLUDING COSTS OF REPEATED PROCEDURES, COMPENSATION FOR ENGINEER'S AND DESIGN ENGINEER'S SERVICES AND OTHER RELATED COSTS.
- THE CONTRACTOR SHALL MAINTAIN A SCHEDULE OF CONSTRUCTION ACTIVITIES (UPDATED WEEKLY) TO BE PROVIDED TO THE OWNER AND THE ENGINEER FOR WEEKLY PROGRESS MEETINGS.

- THERE WILL BE A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR, AIRPORT, OWNER, AND ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE AND BE PREPARED TO DISCUSS ALL ASPECTS OF THE PROJECT IN DETAIL.
- THE CONTRACTOR SHALL HOLD WEEKLY PROGRESS MEETINGS FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL DISTRIBUTE AN AGENDA AND SCHEDULE PRIOR TO EACH MEETING AND SHALL SEND OUT MEETING MINUTES AFTER.
- THE CONTRACTOR SHALL DOCUMENT EXISTING CONDITIONS OF ALL AREAS IMPACTED BY THIS PROJECT. THE CONTRACTOR SHALL SUBMIT THIS INFORMATION TO THE AIRPORT, OWNER, AND ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY. DOCUMENTATION OF THIS SHALL BE IN THE FORM OF PHOTOS AND/OR VIDEOS, ACCOMPANIED BY A DOCUMENT STATING THE EXACT LOCATION WHERE THE PHOTO/VIDEO WAS TAKEN. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING THE STAGNO AREA AND HAUL ROUTES TO THEIR EXISTING CONDITIONS OR BETTER AT THE END OF THE PROJECT.
- THE AIRPORT, OWNER, OR ENGINEER SHALL APPROVE FINAL LOCATION OF ALL BARRICADES AND FENCING. THE AIRPORT, OWNER, OR ENGINEER MAY ELECT THE CONTRACTOR TO CHANGE THE LAYOUT OR LOCATION OF THE BARRICADES AT ANY POINT DURING THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL BLOCK OFF THE TWO (2) PARKING SPACES DIRECTLY ADJACENT TO THE CAR CHARGER. THIS CLOSURE SHALL BE COORDINATED WITH THE AIRPORT NO LESS THAN 48 HOURS PRIOR TO CONSTRUCTION IN THIS AREA.



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CORPORATE CERTIFICATE OF AUTHORIZATION NUMBER: 807
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PROJECT NO: 41012
DRAWN BY: EWR
CHECKED BY: MS

REV	DATE	DESCRIPTION



This seal has been digitally signed and verified by ERIC W. ROSEN, P.E. # 83051. Not valid as to the document unless the seal is printed and signed and the signature must be verified on any website agent.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

CEW - CRESTVIEW
5535 JOHN GIVENS RD
CRESTVIEW FL 32539

SHEET TITLE
CONSTRUCTION SAFETY
AND PHASING PLAN

SHEET NUMBER
G001

SAFETY NOTES:

- SAFETY GUIDELINES – IN THE INTEREST OF SAFETY, THE CONTRACTOR IS ALSO DIRECTED TO ACQUANT HIS/HER EMPLOYEES WITH THE PROVISIONS OF THE MOST RECENT VERSION OF THE FOLLOWING FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULARS:
 150/5370-2 – OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION.
 150/5210-5 – PAINTING, MARKING AND LIGHTING OF VEHICLES USED ON AN AIRPORT
 150/5200-1B – AIRPORT SAFETY SELF-INSPECTION
 150/5340-1 – STANDARDS FOR AIRPORT MARKINGS
 ORDER SW 5200 5 – SAFETY REQUIREMENTS ON AIRPORTS DURING AGENCY FUNDED CONSTRUCTION ACTIVITY
- AFTER COMPLETION OF WORK, THE CONTRACTOR SHALL RE-STRIPE ALL/ANY EXISTING RUNWAY, TAXIWAY, OR TAXILANE CENTERLINE MARKINGS WHICH WERE TEMPORARILY REMOVED FOR CONSTRUCTION OR DAMAGED DURING CONSTRUCTION, MATCHING ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER OR OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL RELOCATE AND RESTORE AFTER COMPLETION OF CONSTRUCTION, ANY TAXIWAY CENTER LIGHTS, EDGE LIGHTS, OR GUIDANCE SIGNS THAT MAY EXIST WITHIN THE CONSTRUCTION AREA, IF REMOVED OR RELOCATED, CONTRACTOR SHALL PROVIDE "JUMPER CABLES" TO KEEP ELECTRICAL CIRCUITS IN OPERATION.
- AIRPORT OPERATIONS – THE CONTRACTOR SHALL APPOINT SAFETY OFFICERS IN ACCORDANCE WITH THE PROJECT MANUAL. THE CONTRACTOR SHALL ALSO ACQUANT ALL SUPERVISORS AND EMPLOYEES WITH THE ACTIVITIES OF THE BOB SIKES AIRPORT AND OPERATIONS THAT ARE INHERENT AT THIS ACTIVE AIRPORT AND SHALL CONDUCT CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND GUIDELINES ON SAFETY SPECIFIED IN THE PROJECT MANUAL AND AS SPECIFIED BY THE FIELD REPRESENTATIVE AND THE FAA.
- VEHICLE IDENTIFICATION – ALL CONTRACTOR VEHICLES THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3' X 3' OR LARGER ORANGE AND WHITE CHECKERED FLAG, EACH CHECK BEING 1" SQUARE, COMPANY DECALS WITH NOT LESS THAN 6" LETTERS MAY BE SUBSTITUTED FOR FLAGS ON SUPERVISORY VEHICLES AND LIGHT TRUCKS. ALL VEHICLES OPERATING IN THE ACTIVE AIRPORT OPERATIONS AREA (AOA) DURING THE HOURS OF DARKNESS SHALL BE EQUIPPED WITH A FLASHING YELLOW BOWIE – TYPE LIGHT MOUNTED ON TOP OF THE VEHICLE AND OF SUCH INTENSITY TO CONFORM TO LOCAL CODES FOR MAINTENANCE AND EMERGENCY VEHICLES.
- GROUND CONTROL – NO CONTRACTOR VEHICLES OR EQUIPMENT SHALL ACCESS OR CROSS ACTIVE RUNWAYS, TAXIWAYS, OBJECT FREE AREAS AND APPROACH CLEAR ZONES. ACCESS ONTO THE EXISTING SOUTH APRON SHALL BE LIMITED TO THE SOUTH 1,300 FT OF THE GENERAL APRON PAVEMENT.
- WORK REQUIRING PAVEMENT CLOSURE SHALL BE PERFORMED IN ACCORDANCE WITH THE SAFETY PLANS AND AVIATION PROJECT MANUAL. NO APRON OR AIRPORT ROADWAY SHALL BE CLOSED WITHOUT APPROVAL OF AIRPORT MANAGEMENT, TO ENABLE NECESSARY NOTICES TO AIRMEN (NOTAMS) OR ADVISORS TO AIRPORT SERVICES OR TENANTS. A MINIMUM OF SEVENTY-TWO (72) HOURS WRITTEN NOTICE OF REQUESTED CLOSING SHALL BE DIRECTED TO THE OWNER, WHO WILL COORDINATE THE REQUEST WITH AIRPORT OPERATIONS.
- OPEN TRENCHES – ANY CONSTRUCTION ABOVE 3" OR OPEN TRENCHES IN EXCESS OF 3" WITHIN 150' OF AN ACTIVE RUNWAY CENTERLINE OR WITHIN 48' FROM AN ACTIVE TAXIWAY CENTERLINE WILL REQUIRE CLOSURE OF THE AFFECTED RUNWAY OR TAXIWAY, UNLESS OTHERWISE APPROVED BY THE OWNER. (SEE NOTE 4 ABOVE). ALL TRENCHING MUST BE CONSTRUCTED TO MEET ALL FEDERAL, STATE (FLORIDA TRENCH SAFETY ACT) AND LOCAL LAWS (INCLUDES OSHA STANDARDS).
- TRENCH MARKING – OPEN TRENCHES AND EXCAVATIONS LOCATED WITHIN 200' FROM AN ACTIVE TAXIWAY CENTERLINE SHALL BE PROMINENTLY MARKED WITH FLAGS AND LIGHTED BY APPROVED LIGHT UNITS (FLARE POIS NOT ALLOWED) DURING HOURS OF RESTRICTED VISIBILITY AND DARKNESS. THE CONTRACTOR WILL ENSURE THAT AN EMPLOYEE REMAINS ON-CALL TWENTY-FOUR (24) HOURS PER DAY FOR EMERGENCY MAINTENANCE OF HAZARD LIGHTING AND BARRICADES. NO OPEN TRENCHES ARE PERMITTED ADJACENT TO ACTIVE AOA, UNLESS APPROVED BY AIRSIDE OPERATIONS. THESE TRENCHES SHALL BE BACKFILLED WHEN THE CONTRACTOR IS NOT PERFORMING CONSTRUCTION IN THESE TRENCHES. DITCHES OR EXCAVATIONS PERMITTED TO REMAIN OPEN SHALL BE COMPLETELY ENCLOSED WITHIN AIRPORT-TYPE BARRICADES AND PROPERLY LIGHTED. INDIVIDUAL FLAGS AND/OR LIGHTS WILL NOT BE PERMITTED AROUND OPEN TRENCHES/EXCAVATIONS DURING NIGHTTIME HOURS.
- OPEN FLAME – OPEN FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN TAKEN AND THE PROCEDURE APPROVED BY AIRPORT OPERATIONS.
- STOCKPILE EROSION AND DUST CONTROL – STOCKPILED MATERIAL AND OPEN EXCAVATIONS SHALL BE TREATED IN SUCH A MANNER AS TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT BLAST OR WIND CONDITIONS IN EXCESS OF 10 KNOTS. STOCKPILED MATERIALS SHALL NOT BE PERMITTED WITHIN 250' OF AN ACTIVE RUNWAY CENTERLINE OR 65.5' FROM AN ACTIVE TAXIWAY CENTERLINE.
- DEBRIS CONTROL – DEBRIS, WASTE AND LOOSE MATERIAL SHALL NOT BE ALLOWED ON ACTIVE AIRCRAFT MOVEMENT AREAS OR APRONS. IF OBSERVED TO BE ON ACTIVE AIRCRAFT MOVEMENT AREAS OR APRONS, THE MATERIAL WILL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. THE FIELD REPRESENTATIVE MAY DIRECT THAT DEBRIS PROBLEMS DURING CONSTRUCTION NOT CORRECTED BY THE CONTRACTOR BE CORRECTED BY OTHERS AT THE EXPENSE OF CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE TO KEEP THE PAVEMENTS ADJACENT TO THE WORK AREA CLEAR OF DEBRIS AND FOD AT ALL TIMES.
- INSPECTION BY OPERATIONS – PRIOR TO OPENING FOR AIRCRAFT USE AND THE DEPARTURE OF THE CONTRACTOR'S WORK CREWS, THE FIELD REPRESENTATIVE WILL ARRANGE FOR INSPECTION BY AIRPORT OPERATIONS OF ANY RUNWAY, TAXIWAY SAFETY AREA, OR APRON THAT HAS BEEN CLOSED FOR WORK, OR THAT HAS BEEN USED FOR A CROSSING POINT OR HAUL ROUTE BY THE CONTRACTOR. THESE AREAS MUST COMPLY WITH THE SAFETY REQUIREMENTS DEFINED BY FEDERAL AVIATION REGULATIONS PART 139 AND INTERPRETED BY THE DESIGNATED OPERATION'S INSPECTOR BEFORE PERMISSION FOR THE CONTRACTOR'S WORK CREWS TO DEPART WILL BE GRANTED.
- NO SMOKING SHALL BE ALLOWED WITHIN THE AOA.
- DESIGNATED AIRPORT REPRESENTATIVE SHALL HAVE THE AUTHORITY TO DISCONTINUE CONSTRUCTION OPERATIONS AT ANY TIME, FOR ANY REASON. THE AIRPORT REPRESENTATIVE CAN REQUIRE THE CONTRACTOR TO LEAVE THE AIRSIDE AOA AND/OR AIRPORT PROPERTY AND EVACUATE THE WORK AREA WITHIN THIRTY (30) MINUTES AFTER RECEIVING NOTICE. THE CONTRACTOR IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION.
- ALL BARRICADE LIGHTING, TEMPORARY SIGNAGE AND COVERS SHALL BE VERIFIED BY THE CONTRACTOR FOR PROPER OPERATION AT THE END OF EACH DAY BEFORE THE CONTRACTOR CEASES OPERATION. THE INTENSITY OF THE LIGHTS AND THE SPACING FOR BARRICADES, SHALL BE ADEQUATE TO DELINEATE THE HAZARDOUS AREA WITHOUT AMBIGUITY. NO MORE THAN ONE OF THE LIGHTS FOR BARRICADES SHALL BE INOPERABLE AT ANY TIME, AND AT NO TIME SHALL TWO (2) CONSECUTIVE LIGHTS BE INOPERABLE. THE CONTRACTOR SHALL IMMEDIATELY REPLACE ANY BARRICADES, LIGHTS OR FLAGS WHICH IN THE OPINION OF THE FIELD REPRESENTATIVE OR AIRPORT OPERATIONS ARE NOT ADEQUATE.
- THE CONTRACTOR AT ALL TIMES SHALL MAINTAIN VEHICLES, EQUIPMENT AND MATERIALS OFF THE AIRCRAFT CONTAINMENT LINE DURING CONSTRUCTION. THE CONTRACTOR MAY BE REQUIRED TO WORK 24 HOURS EACH DAY IN DESIGNATED AREAS IN ORDER TO MINIMIZE THE SHUT DOWN TIME. NO ADDITIONAL CONTRACT COST SHALL BE ALLOWED FOR WORK TO BE ACCOMPLISHED "AROUND THE CLOCK" (24 HOURS PER DAY).
- CONTRACTOR SHALL REMOVE ALL EQUIPMENT FROM OBJECT FREE AREAS DURING HOURS OF AIRCRAFT OPERATIONS.
- ALL EQUIPMENT, MATERIAL AND CONSTRUCTION PERSONNEL SHALL BE KEPT AT LEAST 250' FROM CENTERLINE OF ACTIVE RUNWAY, 65.5' FROM AN ACTIVE TAXIWAY AT ALL TIMES. CONTRACTOR IS REQUIRED TO MONITOR RADIO COMMUNICATIONS AT ALL TIMES. CTAF (COMMON TRAFFIC ADVISORY FREQUENCY) & UNCOM FREQUENCY: 122.95
- NO EQUIPMENT OR MATERIALS SHALL EXCEED A HEIGHT OF 35 FT WITHOUT PRIOR APPROVAL FROM ENGINEER.

SECURITY NOTES:

- GENERAL – THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED IN THE CONTRACT MANUAL. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE FIELD REPRESENTATIVE, THE NAME OF THE "CONTRACTOR SECURITY OFFICER" THE CONTRACTOR SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS OF THE CONTRACT.
- CONTRACTOR PERSONNEL SECURITY ORIENTATION – THE CONTRACTOR SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS AND, FROM TIME TO TIME, OTHER SECURITY PROVISIONS ADOPTED BY THE CONSTRUCTION SECURITY COMMITTEE. ALL NEW CONTRACTOR EMPLOYEES SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREA.
- ACCESS TO THE SITE – CONTRACTOR'S ACCESS TO THE SITE SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE FIELD REPRESENTATIVE. THE CONTRACTOR SHALL NOT PERMIT ANY UNAUTHORIZED PERSONNEL OR TRAFFIC ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM THE VARIOUS CONSTRUCTION AREAS ON THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF ANY DEBRIS DEPOSITED ALONG ANY ACCESS ROAD AS A RESULT OF THE CONSTRUCTION TRAFFIC. DIRECTIONAL SIGNING AT THE ACCESS GATE AND ALONG THE DELIVERY ROUTE TO THE STORAGE AREA OR WORK SITE SHALL NOT BE PERMITTED.
- MATERIALS DELIVERY TO THE SITE – ALL CONTRACTOR'S MATERIAL ORDERS FOR DELIVERY TO THE SITE WILL USE THE ACCESS POINT AT THE CONTRACTOR'S STAGING AREA AS A DELIVERY ADDRESS AT THE AIRPORT. ALL ASSOCIATED COSTS SHALL BE INCIDENTAL TO VARIOUS OTHER BID ITEMS.
- CONSTRUCTION AREA LIMITS – THE LIMITS OF CONSTRUCTION, MATERIAL STORAGE AREAS, EQUIPMENT STORAGE AREA, PARKING AREA AND OTHER AREAS REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION SHALL BE MARKED BY THE CONTRACTOR AND APPROVED BY THE FIELD REPRESENTATIVE. THE CONTRACTOR SHALL ERECT AND MAINTAIN SUITABLE FENCING, SIGNAGE AND WARNING DEVICES VISIBLE FOR BOTH DAY/NIGHT USE TO DELINEATE THE PERIMETER OF ALL SUCH AREAS.
- VEHICLE IDENTIFICATION – THE CONTRACTOR, THROUGH THE CONTRACTOR SECURITY OFFICER, SHALL ESTABLISH AND MAINTAIN A LIST OF CONTRACTOR AND SUBCONTRACTOR VEHICLES AUTHORIZED TO OPERATE ON THE SITE. THE CONTRACTOR SECURITY OFFICER WILL REQUIRE EACH VEHICLE TO DISPLAY A LARGE COMPANY SIGN (WITH NOT LESS THAN 6" LETTERING) ON BOTH SIDES OF THE VEHICLE. THE CONTRACTOR SHALL PROVIDE A CURRENT LISTING OF VEHICLES AND COMPANIES AUTHORIZED TO ENTER AND CONDUCT WORK ON THE AIRPORT TO THE FIELD REPRESENTATIVE. CONTRACTOR'S EMPLOYEE PERSONAL VEHICLES SHALL BE RESTRICTED TO THE CONTRACTOR'S STAGING AREA OR CONTRACTOR'S EMPLOYEE PARKING AREA AND ARE NOT ALLOWED ON THE AIRFIELD AT ANY TIME.
- OPERATORS OF VEHICLES MUST POSSESS A VALID DRIVER'S LICENSE, FOR THE VEHICLE BEING OPERATED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EMPLOYEES DRIVING WITHIN THE AOA, AND SHALL LIMIT EMPLOYEE ACCESS TO RUNWAY AND TAXIWAY OBJECT FREE AREAS TO THOSE WHOSE FUNCTIONS ARE ABSOLUTELY NECESSARY. DRIVERS SHALL MONITOR BOB SIKES AIRPORT UNCOM FREQUENCY AT ALL TIMES WHEN DRIVING WITHIN ANY RUNWAY OR TAXIWAY OBJECT FREE AREA, AND SHALL BE PREPARED TO LEAVE THE AREA IMMEDIATELY IF NECESSARY.
- ALL ACCESS GATES SHALL REMAIN LOCKED OR MONITORED AT ALL TIMES. THE COST OF PROVIDING FLAGGER AND SECURITY GUARDS, IF NEEDED, SHALL BE INCIDENTAL AND INCLUDED IN THE VARIOUS CONTRACT ITEMS.
- PRIOR TO ANY WORK COMMENCING, CONTRACTOR SHALL ATTEND AIRFIELD DRIVING AND SAFETY TRAINING FROM CEW STAFF. UPON COMPLETION OF THIS TRAINING, CONTRACTOR SHALL BE ISSUED A TEMPORARY GATE ACCESS CARD IN ORDER TO ACCESS PROJECT AREA. CONTRACTOR SHALL NOT DRIVE TO ANY AREA ON THE AIRFIELD OUTSIDE OF THE PROJECT AREA OR DESIGNATED HAUL ROUTES.



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PROJECT NO: 410112
DRAWN BY: EWL
CHECKED BY: MJ

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SHEET TITLE
CONSTRUCTION SAFETY
AND PHASING PLAN

SHEET NUMBER
G002



Chris Heuer
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 October 25 2022
 Quote No. - UHS-00013860
 Doc Rev. 0

Project: DETA Technologies FL PHS Pensacola

Philp Dennis,
 Black & Veatch
 6500 West 115th St,
 Suite 2020
 Overland Park, KS 66211

FL CEW

Dear Philp,
 Thank you for your inquiry for BETA Technologies FL PHS Pensacola. We are pleased to respond with our proposal based on the details and requirements of your inquiry. Thank you for allowing Border States Electric to participate on this project. Please do not hesitate to contact us with any questions.
 Best Regards,
 Chris Heuer
 Border States Electric

NECESSARY AND CONFIDENTIAL INFORMATION

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Total Net Price
 The total net price for this item(s) defined in this quotation is
 \$316,827.350 USD



Bill of Material(s)

Item No.	Quantity	Description
1	1	Switchboard, 48kVair AV2 Market NEB
2	1	Section(s) Service Entrance Estimated Shipping Weight: 1,162 lbs Service Entrance Including 3M41W/46Q/277V/500R 1200A 65 BASIC Fully Rated Incoming Feeds, Busbar Incoming Right Feeding Left Type 3R (non-weather) Enclosure Front/Rear Liner Front Access 1 Hinged Front Gasket Cover 1 Rear/Gear Switchboard Linerup Estimated total of factory connected wiring panels for this lineup 40 1 Group Mounted Feeder Switchgear Bus Section 40W 23D 90H (18.2" bus bar) 1 Evolution Main Section 30W 23D 90H (18.2" Bus Bar) 2 Bus Bracing 45000 AIC 2 Evolution - Fully Rated Copper Bus 1800 A/5C. In. 2 Ground: Equipment LUL With Lugs 1 Lightning Arrestor 2 Space Heater 120 Volt 1 Full Height Side Barrier Main Switchgear 1 1200A 3 Pole NTH1200 (1200A Frame) Includ. "Std. Main Manually Operated MAIN Programmer (EOP Touch) LSIG 1 MELT 1 EOP SUPPLY - 24-48V DC 1 MELT EXIF SIGNALING 24X3 1 Feeder 400A 3 Pole XTH400 (400A Frame) 2 Manually Operated Programmer (EOP TOUCH) 2 FLX FIXED PADLOCK - OPHI 2 Mechanical All Lead Lugs 1 225A 3 Pole NTH225 (225A Frame)



BETA TECHNOLOGIES
 1160 AIRPORT DRIVE
 SOUTH BURLINGTON, VT 05400



BLACK & VEATCH

11401 LAMAR AVENUE
 OVERLAND PARK, KS 66211
 (913) 488-6200

PROJECT NO:	410112
DRAWN BY:	CJE
CHECKED BY:	NMB

REV	DATE	DESCRIPTION
1	02/19/24	REISSUED FOR CONSTRUCTION
0	02/06/24	ISSUED FOR CONSTRUCTION



Bill of Material(s)

Item No.	Quantity	Description
1	1	Manually Operated Programmer (EOP TOUCH)
1	1	Mechanical All Lead Lugs Main/Bar/ing/Control Devices
1	1	Power Supply Plate
1	1	Thermostat Control
1	1	Control Power Transformer (Section Heater) Others
4	4	Engraved Nameplates Screen-On Nameplates Others
1	1	Lifting Brackets
1	1	Refrigerant (CFC free) only 31C
2	2	Neutral Lug
1	1	Neutral Lug
1	1	Bonding Jumper
7	7	Equipment Ground Lugs
1	1	Ground Lug Miscellaneous Add On's
2	2	SECTION - Di p Proof Roof per Section



To be filled out by Manufacturer

Draw No.	Device	Title	Serial	Access	Points	Manufacturer	Log/Cache Dev	Notes
1	XTH	1200	1	1	1	ABB	111-44-200MTCU-CU-Misc. AL	118
2	XTH	400	1	1	1	ABB	111-250-400MTCU-CU-Misc. AL	117 TB
3	XTH	400	1	1	1	ABB	111-250-400MTCU-CU-Misc. AL	117 TB
4	XTH	1200	1	1	1	ABB	111-44-200MTCU-CU-Misc. AL	118 TB

NOTES:

- Switchboard furnished with a regional TYPE 3R (non-weather) enclosure.
- NOTE: See plan view for switchboard additional 1 inch space clearance on top and 1 1/2 inch clearance on the side of the stand.
- Equipment ground bus furnished with Lug.
- Copper ground bus furnished.
- Switchboard furnished with temperature.
- All hardware to be furnished with access.
- Shipping tags between each section, ship each section separately.
- Switchboard furnished with section space heaters.
- Switchboard furnished with thermal protectors for section space heaters.
- Switchboard furnished with lightning arrester.
- Switchboard furnished with integral gasket covers.
- Switchboard furnished with fully rated gasket.
- Device is furnished with integral ground bus protection.
- Device is furnished with MELT (Preload Empty Let Through).
- Device is furnished with EOP Supply 24-48V DC.
- Device is furnished with EOP Touch (EOP) Programmer.
- Device is furnished with EOP Supply 24-48V DC.
- Device is furnished with Full Fixed Padlock - Open.
- Device is furnished with Thermal Trip/Reset Adjustable Trip.
- Estimated shipping weight for this package is 1822 lbs.
- Device furnished with MELT EXIF Signaling 24X3.
- 1200A/400A Add-On.
- SECTION - Di p Proof Roof per Section.
- Due to the presence of Hazardous Acid One, please review drawings with the factory to ensure security.
- Drawings include:
 Sheet Front (Top to Back)
 Sheet Back (Front to Back)
- As a result of Drawing Issues this product may require modification to reflect correct factory parts, cycle or UL certification.

FL-CEW CRESTVIEW
 BOB SIKES AIRPORT
 5551 JOHN GIVENS RD
 CRESTVIEW, FL 32539

SHEET TITLE
 SWITCHBOARD DRAWINGS
 AND MILBANK DOCUMENT

SHEET NUMBER

FOR REFERENCE ONLY

Attachment C

INSURANCE REQUIREMENTS

INSURANCE REQUIREMENTS

1. BETA shall not occupy said premises until all required insurance has been obtained and the Certificate of Insurance has been approved by the Okaloosa County Risk Manager or designee, at the address provided below.

Okaloosa County Board of County Commissioners _____
5479A Old Bethel Road _____
Crestview, Florida, 32536 _____

2. Certificates of Insurance evidencing all required coverage and, if applicable any State of Florida approved Workers' Compensation Exemption, must be submitted to and approved by Okaloosa County, at the address provided below.

Okaloosa County Board of County Commissioners
5479A Old Bethel Road
Crestview, Florida, 32536

3. All insurance policies shall be with insurers authorized to do business in the State of Florida and having a minimum rating of A, Class X according to the Best Key Rating Guide published by A.M. Best & Co. Inc.
All insurance shall include the interest of all entities named and their respective officials, employees & volunteers of each and all other interests as may be reasonably required by Okaloosa County. The coverage afforded the Additional Insured under this policy shall be primary insurance. If the Additional Insured have other insurance that is applicable to the loss, such other insurance shall be on an excess or contingent basis. The amount of the company's liability under this policy shall not be reduced by the existence of such other insurance.
4. Okaloosa County Board of County Commissioners shall be listed as an Additional Insured by policy endorsement on all policies applicable to this agreement except Worker's Compensation.
5. The County shall retain the right to reject all insurance policies that do not meet the requirement of this Agreement.. Should either Party desire a modification of these insurance requirements, both Parties will negotiate in good faith.
6. In the case of litigation, should any party's attorney request copies of the insurance policies regarding the insurance coverage specified in this Agreement, they will be submitted in redacted form.

WORKERS' COMPENSATION INSURANCE

1. BETA shall maintain Workers Compensation Insurance within statutory limits.
If applicable: BETA shall secure and maintain during the life of this Lease Workers' Compensation insurance for all of his employees employed at the site or any site connected with this lease; evidence of insurance shall be furnished to the County.
2. Such insurance shall comply with the Florida Workers' Compensation Law.

No class of employee, shall be excluded from the Workers' Compensation insurance coverage. The Workers' Compensation insurance shall also include Employer's Liability coverage.

3. A Waiver of Subrogation is required to be shown on the Certificate of Insurance.
4. If contractor is exempt, proof of the exemption from the State of Florida is required. Any subcontractors used must show proof of Workers Compensation with the waiver of subrogation in favor of Okaloosa County. Note: Okaloosa County reserves the right

to require Workers Compensation coverage on all contracts.

BUSINESS AUTO LIABILITY

Coverage must be afforded for all owned, Hired, Scheduled, and Non-Owned vehicles for Bodily Injury and Property Damage in an amount not less than \$1,000,000 (One Million dollars) combined single limit each accident. If BETA does not own Vehicle, they must maintain coverage for Hired & Non Owned Auto Liability, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Auto Policy.

GENERAL LIABILITY INSURANCE

1. BETA shall maintain General Liability insurance against all claims for Bodily Injury and Property Damage and Personal and Advertising Injury arising from the Charging Station Site.
2. All liability insurance (other than Professional Liability) shall be written on an occurrence basis and shall not be written on a claims-made basis.
3. If the insurance is issued with an aggregate limit of liability, the aggregate limit of liability shall apply only to the locations included in this Agreement. If, as the result of any claims or other reasons, the available limits of insurance reduce to less than those stated in the Limits of Liability, BETA shall notify the County representative in writing. BETA shall purchase additional liability insurance to maintain the requirements established in this Agreement. Umbrella or Excess Liability insurance can be purchased to meet the Limits of Liability specified in this Agreement. Excess liability insurance must state which policy it applies to.

INSURANCE LIMITS

BETA's required insurance shall be written for not less than the following, or greater if required by law:

1. Workers' Compensation
 - 1) State Statutory
 - 2) Employer's Liability \$100,000 per occurrence
2. General Liability \$2,000,000 per occurrence and aggregate

NOTICE OF CLAIMS OR LITIGATION

BETA agrees to report any incident or claim that results from performance of this Agreement. The County representative shall receive written notice in the form of a detailed written report describing the incident or claim within ten (10) days of the BETA's knowledge. In the event such incident or claim involves injury and/or property damage to a third party, verbal notification shall be given BETA becomes aware of the incident or claim followed by a written detailed report within ten (10) days of verbal notification.

INDEMNIFICATION & HOLD HARMLESS

BETA shall indemnify and hold harmless the County, its officers and employees from liabilities, damages, losses, and costs including but not limited to reasonable attorney fees, to the extent caused by the negligence, recklessness, or wrongful conduct of BETA.

CERTIFICATE OF INSURANCE

1. BETA shall provide a Certificate of Insurance to the County with a thirty (30) day prior written notice of cancellation; ten (10) days' prior written notice if cancellation is for nonpayment of premium.
2. In the event that the insurer is unable to accommodate the cancellation notice requirement, it shall be the responsibility of BETA to provide the proper notice.
3. Such notification shall be in writing by registered mail, return receipt requested, and addressed to:

Okaloosa County Purchasing Department
5479-A Old Bethel Road
Crestview, FL 32536

All deductibles or self-insured retentions (SIRs), whether approved by Okaloosa County or not, shall be the BETA's full responsibility. In particular, the BETA shall afford full coverage as specified herein to entities listed as Additional Insured. In no way will the entities listed as Additional Insured be responsible for, pay for, be damaged by, or limited to coverage required by this schedule due to the existence of a deductible or SIR.

4. All certificates shall be subject to Okaloosa County's approval of adequacy of protection. The Certificates of Insurance shall disclose any and all deductibles or self-insured retentions (SIRs).

GENERAL TERMS

1. Any type of insurance or increase of limits of liability not described above which, BETA required for its own protection or on account of statute shall be its own responsibility and at its own expense.
2. The carrying of the insurance described shall in no way be interpreted as relieving BETA of any responsibility under this lease.
3. Should BETA engage a subcontractor or sub-subcontractor, the same conditions will apply under this Agreement to each subcontractor and sub-subcontractor.
4. BETA hereby waives all rights of subrogation against Okaloosa County and its consultants and other indemnities of BETA under all the foregoing policies of insurance.

UMBRELLA INSURANCE

1. BETA shall have the option and right to meet the liability insurance requirements with the purchase of an umbrella insurance policy. In all instances, the combination of primary and umbrella liability coverage must equal or exceed the minimum liability insurance limits stated in this Agreement.



Federal Aviation Administration

February 22, 2024

TO: Beta Technologies, Inc.
Attn: Chris Miller
1150 Airport Drive
South Burlington,, VT 05403
cmiller@beta.team

CC: OKALOOSA COUNTY
BOARD OF COUNTY
COMMISSIONERS
302 NORTH WILSON ST.
CRESTVIEW, FL 32536
rrogers@myokaloosa.com

CC: AVCON, Inc.
Attn: Mary Soderstrum
5555 e. Michigan Street, Suite 200
Orlando, FL 32822
MSoderstrum@avconinc.com

RE: (See attached Table 1 for referenced case(s))
FINAL DETERMINATION

Table 1 - Letter Referenced Case(s)

Table with 7 columns: ASN, Prior ASN, Location, Latitude (NAD83), Longitude (NAD83), AGL (Feet), AMSL (Feet). Rows list cases from 2024-ASO-1045-NRA to 2024-ASO-1051-NRA.

Description: Electrical charging stations for automobiles and aircraft and related equipment.

We do not object to the construction described in this proposal provided:

You comply with the requirements set forth in FAA Advisory Circular 150/5370-2, "Operational Safety on Airports During Construction."

Your proposal impacts the following National Airspace System (NAS) equipment:

Advise submit separate cases for aircraft and vehicles temporarily parked at this location. Prior to commencement of any excavation, proponent must coordinate all project work in the vicinity of underground power utility and communication cables as soon as possible, preferably a minimum of three weeks in advance of project start, with the local Tech Ops POC. Coordinate project with local Tech OPS SSC office. Local Tech OPS POC: Steve Reisch, Pensacola SSC Manager, 850-266-6801, steven.g.reisch@faa.gov.

The Airport sponsor shall notify the FAA's Air Traffic Organization (ATO) Planning and Requirements (P&R) Service Area office a minimum of 45 days prior to the "physical construction start date" for this project. Submit FAA Form entitled Airport Sponsor Strategic Event Submission Form including all date, time and/or duration changes via email to 9-AJV-SEC- ESA@faa.gov.

Airport sponsor is coordinated with, invited to all meetings and any/all concerns are addressed / resolved.

The temporary construction equipment is no closer to the runway than the coordinates studied.

Construction equipment is marked/lighted/flagged in accordance with FAA AC 70/7460-1. (Note that marking or lighting is only a recommendation should apply when a permanent or temporary object penetrates the FAR Part 77 Obstruction Standard Surfaces)

The temporary construction equipment is used during daylight hours and VFR conditions only, and is lowered when not in use, during the hours between sunset and sunrise, and/or during IFR weather conditions.

The local ATCT and Airport Management are notified when the crane is raised, lowered and or removed from project site.

This determination is based, in part, on the foregoing description, which includes specific coordinates, heights, frequencies and power. Any change in coordinates, heights, frequencies or use of greater power will void this determination. Any future construction or alteration, including increases in heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This is a determination with respect to the safe and efficient use of navigable airspace by aircraft and with respect to the safety of persons and property on the ground. In making this determination, the FAA has considered matters such as the effect the proposal would have on the existing airspace structure and projected programs of the FAA, the effects it would have on the safety of persons and property on the ground, and the effects that existing or proposed manmade objects (on file with the FAA) and natural objects within the affected area would have on the airport proposal.

This determination does not include any environmental analysis or environmental approval for this proposal. All local and state requirements and/or permits must be obtained prior to construction of this proposal. It does not include approval of any lease, does not release any surplus or grant agreement acquired airport property, does not provide a Section 163 determination, nor does it relieve the airport owner or the proponent of compliance with FAR, Part 155, or any other law, ordinance, or regulation of federal, state, or local government body or organization.

For current Advisory Circulars go to www.oa.faa.gov

A separate notice to the FAA is required for any construction equipment, such as temporary cranes, whose working limits would exceed the height and lateral dimensions of your proposal.

This determination does not constitute FAA approval or disapproval of the physical development involved in the proposal. It is a determination with respect to the safe and efficient use of navigable airspace by aircraft and with respect to the safety of persons and property on the ground.

In making this determination, the FAA has considered matters such as the effects the proposal would have on existing or planned traffic patterns of neighboring airports, the effects it would have on the existing airspace structure and projected programs of the FAA, the effects it would have on the safety of persons and property on the ground, and the effects that existing or proposed manmade objects (on file with the FAA), and known natural objects within the affected area would have on the airport proposal.

When your Airport Layout Plan is updated, please include this new development. In the meantime, we will show this feature on your current ALP approved on 08/05/2020.

This determination expires on August 22, 2025 unless:

(a) extended, revised or terminated by the issuing office.

(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for the completion of construction, or the date the FCC denies the application.

NOTE: Request for extension of the effective period of this determination must be obtained at least 15 days prior to expiration date specified in this letter.

If you have any questions concerning this determination contact Chastity N. Clark (407) 487-7226 chastity.clark@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2024-ASO-1045-NRA.

Chastity N. Clark

ADO

Signature Control No: 610959095-613399423