

**INTERLOCAL COST SHARE AGREEMENT BETWEEN
SEMINOLE COUNTY AND VOLUSIA COUNTY**

THIS INTERLOCAL AGREEMENT is made and entered into by and between **SEMINOLE COUNTY**, a charter county and political subdivision of the State of Florida, whose address is Seminole County Services Building, 1101 East 1st Street, Sanford, Florida 32771-1468, in this Agreement referred to as "SEMINOLE," and the **VOLUSIA COUNTY**, a Florida political subdivision of the State of Florida, whose address is 123 W. Indiana Avenue Deland, Florida, in this Agreement referred to as "VOLUSIA."

W I T N E S S E T H:

WHEREAS, on December 21, 2016, SEMINOLE and VOLUSIA entered into an Agreement for the colocation of VOLUSIA's Public Safety Radio System on the Tower located at 4905 Wayside Drive, Sanford, Florida hereinafter referred to as "Tower;" and

WHEREAS, VOLUSIA desires to add new equipment to the Tower to support their needs and future initiatives; and

WHEREAS, the new equipment requires the Tower to undergo alterations and repairs for a larger foundation to support the additional weight; and

WHEREAS, VOLUSIA has obtained a Structural Analysis Report from Paul J. Ford & Company to determine the tower stress level and a Scope of Work for the improvement and repair needs from Kirms Communications, LLC. and

WHEREAS, the estimated cost to make the improvements is approximately \$93,500.00; and

WHEREAS, VOLUSIA has offered to pay for the costs of the improvements and SEMINOLE desires to accept; and

WHEREAS, SEMINOLE will cover the initial costs and VOLUSIA will reimburse these costs in a manner agreeable to both; and

WHEREAS, entering this Interlocal Agreement is in the best interest of the citizens of SEMINOLE and VOLUSIA as it will benefit the communications infrastructure in both counties.

NOW THEREFORE, in consideration of the mutual understandings and agreements set forth in this Agreement, VOLUSIA and SEMINOLE agree as follows:

Section 1. Recitals. The recitals, above, are true and form a material part of this Interlocal Agreement.

Section 2. Purpose. The purpose of this Interlocal Agreement is to establish the terms and conditions for reimbursement for the cost of the Tower improvements.

Section 3. Repairs and Improvements. The term "Repairs and Improvements" is inclusive of the Scope of Work, as defined in exhibit A. The parties agree that the total cost of the Repairs and Improvements will not exceed NINETY-FIVE THOUSAND DOLLARS and 00/100 CENTS (\$95,000.00).

Section 4. Term. This Interlocal Agreement will commence and become effective upon execution by the parties, the later date of execution controlling. This Interlocal Agreement will remain in force from the date of execution until SEMINOLE has been paid in full by VOLUSIA for the total cost of the Repairs and Improvements.

Section 5. Obligations of VOLUSIA. VOLUSIA shall pay SEMINOLE all (100%) of the total cost of the Repairs and Improvements. VOLUSIA shall reimburse SEMINOLE for its share as SEMINOLE sends quarterly invoices pursuant to Section 6 below.

Section 6. Obligations of SEMINOLE. Likewise, SEMINOLE shall pay the initial costs of the repairs and improvements of the Tower. Within thirty (30) days of the end of each

calendar quarter, SEMINOLE shall submit an invoice to VOLUSIA at the following address describing and evidencing services rendered by Vendor for the repairs and improvements, and the actual cost associated with those services:

KIRMS COMMUNICATIONS, LLC
814 14th Street
Lake Park, Florida 33403
(561) 429-8126

Within thirty (30) days after receipt of an invoice, VOLUSIA shall pay SEMINOLE its share, provided both parties have reviewed and approved the invoice. VOLUSIA shall acknowledge COUNTY's Telecommunications Division by email of invoice acceptance and approval for payment. SEMINOLE's payment must be sent to:

Director of County Finance
Seminole County Board of County Commissioners
PO Box Drawer Q
Sanford, Florida 32772-0869
AP@seminoleclerk.org



Section 7. Termination. This Interlocal Agreement may be terminated, in whole or in part, by either party at any time, with or without cause, upon not less than sixty (60) days written notice delivered to the other party. However, any obligations under this Interlocal Agreement incurred prior to the termination date will survive the termination and be performed or paid, as the case may be.

Section 8. Indemnification. Neither party to this Interlocal Agreement, nor its officers, employees and agents may be deemed to assume any liability for the acts, omissions and negligence of the other party, its officers, employees and agents.

Section 9. Assignments. Neither party to this Interlocal Agreement may assign this Interlocal Agreement, nor any interest arising under it, without the written consent of the other party.

Section 10. Notices. Whenever either party desires to give written notice to the other party, notice may be sent to:

FOR VOLUSIA:

Volusia County Council
123 W. Indiana Avenue
Deland, Florida

FOR SEMINOLE:

Tommy Oliveras, CPM
Telecommunications Division Manager
Office of Emergency Management
180 Eslinger Way
Sanford, FL 32773

Either of the parties may change, by written notice as provided in this Agreement, the addresses or persons for receipt of notices.

Section 11. Compliance with  Laws and Regulations. In providing all services pursuant to this Interlocal Agreement, the parties shall abide by all statutes, ordinances, rules, and regulations pertaining to, or regulating the provisions of, such services, including those now in effect and hereafter adopted.

Section 12. Employee Status. Persons employed by VOLUSIA in the performance of services and functions pursuant to this Agreement are deemed not to be the employees or agents of SEMINOLE, nor do these employees have any claims to pensions, worker's compensation, unemployment compensation, civil service or other employee rights or privileges granted to SEMINOLE's officers and employees either by operation of law or by SEMINOLE. Persons employed by SEMINOLE in the performance of services and functions pursuant to this Agreement are deemed not to be the employees or agents of VOLUSIA, nor do these employees have any claims to pensions, worker's compensation, unemployment compensation, civil service or other

employee rights or privileges granted to VOLUSIA's officers and employees either by operation of law or by VOLUSIA.

Section 13. Governing Law. The laws of the State of Florida govern the validity, enforcement and interpretation of this Agreement. Seminole County is the sole venue for any legal action in connection with this Agreement.

Section 14. Parties Bound. This Agreement is binding upon and inures to the benefit of VOLUSIA and SEMINOLE, and their successors and assigns.

Section 15. Conflict of Interest.

(a) Each party agrees that it shall not engage in any action that would create a conflict of interest in the performance of its obligations pursuant to this Agreement with the other party or which would violate or cause third parties to violate the provisions of Part III, Chapter 112, Florida Statutes (2021), as this statute may be amended from time to time, relating to ethics in government.

(b) Each party hereby certifies that no officer, agent or employee of that party has any material interest (as defined in Section 112.312(15), Florida Statutes (2021), as the statute may be amended from time to time, as over 5%) either directly or indirectly, in the business of the other party to be conducted here, and that no such person will have any such interest at any time during the term of this Agreement.

(c) Each party has the continuing duty to report to the other party any information that indicates a possible violation of this Section.

Section 16. Dispute Resolution. Either party to this Agreement may notify the other party that it wishes to commence formal dispute resolution with respect to any unresolved problem under this Agreement. The parties agree to submit the dispute to a Florida Bar Certified Circuit Court Civil Mediator for mediation, within sixty (60) days following the date of this notice. In the

event that any dispute cannot be resolved by mediation, it may be filed as a civil action in the Circuit Court of the Eighteenth Judicial Circuit of Florida, in and for Seminole County, Florida. The parties further agree that any such action will be tried in the Court, and the parties hereby waive the right to jury trial as to such action.

Section 17. Entire Agreement.

(a) It is understood and agreed that the entire agreement of the parties is contained in this Agreement, which supersedes all oral agreements, negotiations, and previous agreements between the parties relating to the subject matter of this Agreement.

(b) Any alterations, amendments, deletions, or waivers of the provisions of this Agreement will be valid only when expressed in writing and duly signed by both parties, except as otherwise specifically provided in this Agreement.

Section 18. Severability. If any provision of this Agreement or the application of this Agreement to any person or circumstance is held invalid, it is the intent of the parties that the invalidity will not affect other provisions or applications of this Agreement which can be given effect without the invalid provision or application, and to this end the provisions of this Agreement are declared severable.

Section 19. Public Records Law.

(a) VOLUSIA and SEMINOLE acknowledge each other's obligations under Article 1, Section 24, Florida Constitution and Chapter 119, Florida Statutes (2021), as this statute may be amended from time to time, to release public records to members of the public upon request. VOLUSIA and SEMINOLE acknowledge each other is required to comply with Article 1, Section 24, Florida Constitution and Chapter 119, Florida Statutes (2021), as this statute may be amended

from time to time, in the handling of the materials created under this Agreement and that this statute controls over the terms of this Agreement.

(b) Failure to comply with this Section will be deemed a material breach of this Agreement, for which the non-breaching party may terminate this Agreement immediately upon written notice to the breaching party.

Section 20. Equal Opportunity Employment. VOLUSIA and SEMINOLE agree that they shall not discriminate against any employee or applicant for employment for work under this Agreement because of race, color, religion, sex, age, disability, or national origin. VOLUSIA and SEMINOLE shall take steps to ensure that applicants are employed, and employees are treated during employment, without regard to race, color, religion, sex, age, disability, or national origin. This provision must include, but is not limited to, the following: employment; upgrading, demotion or transfer; recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

Section 21. Counterparts. This Agreement may be executed in any number of counterparts each of which, when executed and delivered, constitutes an original, but all counterparts together constitute one and the same instrument.

Section 22. Headings and Captions. All headings and captions contained in this Agreement are provided for convenience only, do not constitute a part of this Agreement and may not be used to define, describe, interpret or construe any provision of this Agreement.

IN WITNESS WHEREOF, the parties have made and executed this Agreement for the purposes stated above.

ATTEST:

COUNTY COUNCIL
VOLUSIA COUNTY, FLORIDA

By: _____
Jeff Bower, Chairman

Date: _____

ATTEST:

BOARD OF COUNTY COMMISSIONERS
SEMINOLE COUNTY, FLORIDA

Grant Maloy
Clerk to the Board of
County Commissioners of
Seminole County, Florida.

By: _____
 Amy Lockhart, Chairman

Date: _____

For the use and reliance of
Seminole County only.

As authorized for execution by the Board of
County Commissioners at its _____,
20____, regular meeting.

Approved as to form and
legal sufficiency.

County Attorney

Attachments:

Exhibit A – Scope of Work

DWM/kly
12/7/2022

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MODIFIED 168' SELF SUPPORT TOWER

DEBARY

4905 WAYSIDE DRIVE
SANFORD, FLORIDA 32771
VOLUSIA COUNTY

LAT: 28° 48' 40.20"; LONG: -81° 20' 25.30"

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PJF PAUL J. FORD & COMPANY
250 E Broad St, Ste 600 · Columbus, OH 43215
Phone 614.221.6679 www.pauljford.com

COUNTY OF VOLUSIA
49 KEYTON DR DAYTONA BEACH, FL 32124
PH: (386) 323-3503

PROJECT CONTACTS

CLIENT:
COUNTY OF VOLUSIA
CONTACT: TRENT SKILLE AT TSKILLE@VOLUSIA.ORG
PH: (386) 323-3503

ENGINEER OF RECORD:
PJFTELECOM@PAULJFORD.COM

| SHEET INDEX | |
|--------------|------------------------|
| SHEET NUMBER | DESCRIPTION |
| T-1 | TITLE SHEET |
| MI-1 | MI CHECKLIST AND NOTES |
| N-1 | NOTES |
| N-2 | NOTES |
| S-1 | TOWER ELEVATION |
| S-2 | FOUNDATION PLAN |
| S-3 | FOUNDATION ELEVATION |

| WIND DESIGN DATA | |
|---|---------------------|
| REFERENCE STANDARD | ANSI/TIA-222-H-2017 |
| LOCAL CODE | 2020 FBC |
| ULTIMATE WIND SPEED (3-SECOND GUST) | 142 MPH |
| SERVICE WIND SPEED | 60 MPH |
| RISK CATEGORY | III |
| EXPOSURE CATEGORY | C |
| MAXIMUM TOPOGRAPHIC FACTOR, K _{ZT} | 1.0 |

DEBARY
 SANFORD, FLORIDA
 MODIFIED 168' SELF SUPPORT TOWER

Maria Consuelo Lopez de Echeverria, P.E. - FL. LICENSE #0000089160
PAUL J. FORD & CO. - #EB-0002848

This item has been electronically signed and sealed by Maria Consuelo Lopez de Echeverria, P.E., using a digital signature and date.

Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.



| | |
|--------------|---------------------|
| PROJECT No: | 00021-0097.006.8800 |
| DRAWN BY: | BJH |
| DESIGNED BY: | MTB |
| CHECKED BY: | CMH |
| DATE: | 2/23/2022 |

TITLE SHEET

T-1

| REV | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |

00021-0097.006.DWG

POST-MODIFICATION CHECKLIST

| REQUIRED | REPORT ITEM | BRIEF DESCRIPTION |
|--------------------------|---|--|
| PRE-CONSTRUCTION | | |
| X | MI CHECKLIST DRAWING | THIS CHECKLIST SHALL BE INCLUDED IN THE MI REPORT |
| NA | EOR APPROVED SHOP DRAWINGS | FABRICATION DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW. THE CONTRACTOR SHALL PROVIDE THE APPROVED SHOP DRAWINGS TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. SEE SHOP DRAWING NOTES. |
| NA | FABRICATION INSPECTION | A LETTER FROM THE FABRICATOR, STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THE CONTRACT DOCUMENTS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. |
| NA | FABRICATOR CERTIFIED WELD INSPECTION | CRITICAL SHOP WELDS THAT REQUIRE TESTING ARE NOTED ON THESE CONTRACT DRAWINGS. A CERTIFIED WELD INSPECTOR SHALL PERFORM NON-DESTRUCTIVE TESTING AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. |
| NA | MATERIAL TEST REPORT (MTR) | MILL CERTIFICATION SHALL BE PROVIDED FOR ALL STEEL WITH A YIELD STRENGTH GREATER THAN 36 KSI AND THIS DOCUMENTATION SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. |
| NA | FABRICATOR NDE INSPECTION | A VISUAL OBSERVATION OF A PORTION OF THE EXISTING STRUCTURE (AS NOTED ON THESE DRAWINGS) IS REQUIRED AND A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. |
| NA | NDE REPORT OF MONOPOLE BASE PLATE (AS REQUIRED) | A VISUAL OBSERVATION OF THE POLE TO BASE PLATE CONNECTION IS REQUIRED AND A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. |
| X | PACKING SLIPS | THE MATERIAL SHIPPING LIST SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. |
| CONSTRUCTION | | |
| X | CONSTRUCTION INSPECTIONS | A LETTER FROM THE GENERAL CONTRACTOR STATING THAT THE WORKMANSHIP WAS PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND THESE CONTRACT DRAWINGS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. |
| X | FOUNDATION INSPECTIONS | A VISUAL OBSERVATION OF THE EXCAVATION AND REBAR SHALL BE PERFORMED BEFORE PLACING THE CONCRETE. A WRITTEN REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. |
| X | CONCRETE COMP. STRENGTH AND SLUMP TESTS | THE CONCRETE MIX DESIGN, SLUMP TEST, AND COMPRESSIVE STRENGTH TESTS SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. |
| NA | POST INSTALLED ANCHOR ROD VERIFICATION | ANCHOR ROD INSTALLATION SHALL INCLUDE VERIFICATION BY LETTER AND PHOTOGRAPHIC DOCUMENTATION. |
| NA | BASE PLATE GROUT VERIFICATION | A LETTER FROM THE GENERAL CONTRACTOR SHALL BE PROVIDED TO THE MI INSPECTOR THAT CERTIFIES THAT THE GROUT WAS INSTALLED IN ACCORDANCE WITH INDUSTRY STANDARD FOR INCLUSION IN THE MI REPORT. |
| NA | CONTRACTOR'S CERTIFIED WELD INSPECTION | A CERTIFIED WELD INSPECTOR SHALL INSPECT AND TEST AS NECESSARY ALL FIELD WELDS AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. PRE, DURING AND POST WELD INSPECTION IS REQUIRED. |
| NA | EARTHWORK: LIFT AND DENSITY | FOUNDATION SUB-GRADES SHALL BE INSPECTED AND APPROVED BY A GEOTECHNICAL ENGINEER AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. |
| NA | ON SITE COLD GALVANIZING VERIFICATION | THE GENERAL CONTRACTOR SHALL PROVIDE DOCUMENTATION TO THE MI INSPECTOR VERIFYING THAT ANY ON-SITE COLD GALVANIZING WAS APPLIED FOR FIELD PUNCHED/DRILLED HOLES. |
| NA | GUY WIRE TENSION REPORT | THE GENERAL CONTRACTOR SHALL PROVIDE A REPORT TO THE MI INSPECTOR INDICATING THE TEMPERATURE AND TENSION IN EVERY GUY CABLE FOR INCLUSION IN THE MI REPORT. |
| X | GC AS-BUILT DOCUMENTS | THE GENERAL CONTRACTOR SHALL SUBMIT A COPY OF THE CONTRACT DRAWINGS EITHER STATING "INSTALLED AS DESIGNED" OR NOTING ANY CHANGES THAT WERE REQUIRED AND APPROVED BY THE ENGINEER OF RECORD DUE TO FIELD CONDITIONS. |
| NA | MAGNI 565 COATING VERIFICATION | THE GENERAL CONTRACTOR SHALL PROVIDE DOCUMENTATION TO THE MI INSPECTOR VERIFYING THAT ANY MAGNI 565 COATING WAS APPLIED IN ACCORDANCE PER ASTM F1136. |
| NA | MICROPILE / ROCK ANCHOR | THE GENERAL CONTRACTOR SHALL PROVIDE INSTALLER'S DRILLING AND INSTALLATION LOGS AND QA/QC DOCUMENTATION TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. |
| POST-CONSTRUCTION | | |
| X | MI INSPECTOR REDLINE OR RECORD DRAWING(S) | THE MI INSPECTOR SHALL OBSERVE AND REPORT ANY DISCREPANCIES BETWEEN THE CONTRACTORS REDLINE DRAWING AND THE ACTUAL COMPLETED INSTALLATION. |
| NA | POST INSTALLED ANCHOR ROD PULL TESTING | POST INSTALLED ANCHOR RODS SHALL BE TESTED IN ACCORDANCE WITH INDUSTRY STANDARD AND A REPORT SHALL BE PROVIDED TO THE MI INSPECTOR FOR INCLUSION IN THE MI REPORT. |
| X | PHOTOGRAPHS | PHOTOGRAPHS SHALL BE SUBMITTED TO THE MI WHICH DOCUMENT ALL PHASES OF THE CONSTRUCTION. THE PHOTOS SHALL BE ORGANIZED IN A MANNER THAT EASILY IDENTIFIES THE EXACT LOCATION OF THE PHOTO. |
| NA | POST INSTALLED MICROPILE / ROCK ANCHOR TESTING | POST INSTALLED ANCHORS SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH SPECIFICATION STATED ON MICROPILE/ROCK ANCHOR NOTES. |

NOTE: X DENOTES A DOCUMENT NEEDED FROM THE CONTRACTOR FOR THE MI REPORT
 NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

MODIFICATION INSPECTION NOTES:

GENERAL

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF TOWER MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF. NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PO IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MI INSPECTOR

THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS

THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR (GC) INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO THE OWNER.

GENERAL CONTRACTOR

THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH INDUSTRY STANDARD.

RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING A MI REPORT:

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLE 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
- THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING OPERATIONS
- IT MAY BE BENEFICIAL TO INSTALL ALL TOWER MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW FOUNDATION AND MI INSPECTION(S) TO COMMENCE WITH ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CANCELLATION OR DELAYS IN SCHEDULED MI

IF THE GC AND MI INSPECTOR AGREE TO A DATE ON WHICH THE MI WILL BE CONDUCTED, AND EITHER PARTY CANCELS OR DELAYS, THE TOWER OWNER SHALL NOT BE RESPONSIBLE FOR ANY COSTS, FEES, LOSS OF DEPOSITS AND/OR OTHER PENALTIES RELATED TO THE CANCELLATION OR DELAY INCURRED BY EITHER PARTY FOR ANY TIME (E.G. TRAVEL AND LODGING, COSTS OF KEEPING EQUIPMENT ON-SITE, ETC.). IF THE TOWER OWNER CONTRACTS DIRECTLY FOR A THIRD PARTY MI, EXCEPTIONS MAY BE MADE IN THE EVENT THAT THE DELAY/CANCELLATION IS CAUSED BY WEATHER OR OTHER CONDITIONS THAT MAY COMPROMISE THE SAFETY OF THE PARTIES INVOLVED.

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE EOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.
- OR, WITH OWNER'S APPROVAL, THE GC MAY WORK WITH THE EOR TO RE-ANALYZE THE MODIFICATION/REINFORCEMENT USING THE AS-BUILT CONDITION

PHOTOGRAPHS

BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:

- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
 - RAW MATERIALS
 - PHOTOS OF ALL CRITICAL DETAILS
 - FOUNDATION MODIFICATIONS
 - WELD PREPARATION
 - BOLT INSTALLATION AND TORQUE
 - FINAL INSTALLED CONDITION
 - SURFACE COATING REPAIR
- POST CONSTRUCTION PHOTOGRAPHS
 - FINAL INFIELD CONDITION

PHOTOS OF ELEVATED MODIFICATIONS TAKEN FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

THIS IS NOT A COMPLETE LIST OF REQUIRED PHOTOS, PLEASE COORDINATE WITH THE MI.

SHOP DRAWINGS

EOR APPROVED SHOP DRAWINGS CAN BE PROVIDED AS AN ADDITIONAL SCOPE OF SERVICE. IF REQUIRED, PLEASE CONTACT PJF FOR ADDITIONAL INFORMATION.

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 Phone 614.221.6679 www.pauljford.com

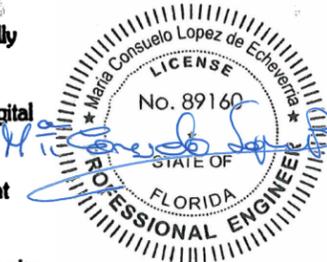
COUNTY OF VOLUSIA
 49 KEYTON DR DAYTONA BEACH, FL 32124
 PH: (386) 323-3503

DEBARY
 SANFORD, FLORIDA
 MODIFIED 168' SELF SUPPORT TOWER

Maria Consuelo Lopez de Echeverria, P.E. - FL. LICENSE #0000089160
PAUL J. FORD & CO. - #EB-0002848

This item has been electronically signed and sealed by Maria Consuelo Lopez de Echeverria, P.E., using a digital signature and date.

Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.



| | |
|--------------|---------------------|
| PROJECT No: | 00021-0097.006.8800 |
| DRAWN BY: | BJH |
| DESIGNED BY: | MTB |
| CHECKED BY: | CMH |
| DATE: | 2/23/2022 |

MI CHECKLIST AND NOTES

MI-1

| | | |
|-----|------|-------------|
| REV | DATE | DESCRIPTION |
|-----|------|-------------|

GENERAL NOTES:

1. THIS TOWER MODIFICATION DRAWING IS BASED UPON A STRUCTURAL ANALYSIS PERFORMED BY PAUL J. FORD AND COMPANY DATED 2/23/2022.
2. PAUL J. FORD AND COMPANY HAS NOT PERFORMED A FIELD VISIT TO VERIFY THE EXISTING TOWER MEMBER SIZES AND DIMENSIONS. THE MODIFICATIONS SHOWN ON THESE PAGES WERE DEVELOPED USING INFORMATION PROVIDED TO US BY VOLUSIA COUNTY.
3. THE CONTRACTOR IS EXPECTED TO PERFORM A SITE VISIT BEFORE FABRICATING ANY MATERIAL. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT AS REPRESENTED ON THESE DRAWINGS, PAUL J. FORD AND COMPANY SHALL BE CONTACTED IMMEDIATELY TO EVALUATE THE STRUCTURAL SIGNIFICANCE OF THE DEVIATION.
4. PAUL J. FORD AND COMPANY WAS NOT PROVIDED WITH THE EXACT LOCATION OF EVERY EXISTING APPURTENANCE THAT COULD POTENTIALLY INTERFERE WITH THE MODIFICATIONS AS INDICATED ON THESE DRAWINGS. IT IS IMPORTANT THAT THE MODIFICATION MATERIAL BE PLACED IN THE PROPER LOCATION TO BE EFFECTIVE. THIS MAY REQUIRE THE REPOSITIONING OF SOME EXISTING NON-STRUCTURAL ITEMS CURRENTLY ATTACHED TO THE TOWER.
5. THE CONTRACTOR MUST BE EXPERIENCED IN THE PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED ON THESE DRAWINGS. BY ACCEPTANCE OF THIS PROJECT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED TO DO THIS WORK IN THE JURISDICTION IN WHICH THE WORK IS TO BE PERFORMED.
6. THIS DRAWING DOES NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES AND PROCEDURES.
7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS AND PRECAUTIONS IN CONNECTION WITH THE WORK.
8. INSPECTIONS SHALL BE COMPLETED IN ACCORDANCE WITH LOCAL BUILDING CODES.

CONSTRUCTION NOTES:

1. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION)
2. ANY GALVANIZED SURFACE THAT IS SCRATCHED OR DAMAGED DUE TO THE CONTRACTORS EFFORTS, SHALL BE REPAIRED WITH A COLD GALVANIZING COMPOUND CONFORMING TO ASTM A780.

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COUNTY OF VOLUSIA
 49 KEYTON DR DAYTONA BEACH, FL 32124
 PH: (386) 323-3503

DEBARY
 SANFORD, FLORIDA
 MODIFIED 168' SELF SUPPORT TOWER

Maria Consuelo Lopez de Echeverria, P.E. - FL. LICENSE #0000089160
 PAUL J. FORD & CO. - #EB-0002848

This item has been electronically signed and sealed by Maria Consuelo Lopez de Echeverria, P.E., using a digital signature and date.

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| PROJECT No: | 00021-0097.006.8800 |
| DRAWN BY: | BJH |
| DESIGNED BY: | MTB |
| CHECKED BY: | CMH |
| DATE: | 2/23/2022 |

NOTES

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| REV | DATE | DESCRIPTION |
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00021-0097.006.DWG

GEOTECHNICAL AND SOIL NOTES:

1. THIS FOUNDATION DESIGN WAS BASED ON GEOTECHNICAL INVESTIGATION REPORT NO. 21.DEBARY REVISION 1 BY EGSCI DATED DECEMBER 30, 2021. THE CONTRACTOR SHALL REVIEW AND FOLLOW ALL RECOMMENDATIONS FOR CONSTRUCTION AND SOIL VERIFICATION AS LISTED IN THE GEOTECHNICAL REPORT. IF THE CONTRACTOR DISCOVERS ANY SUBSURFACE CONDITIONS THAT ARE NOT AS REPRESENTED IN THE GEOTECHNICAL REPORT, THE GEOTECHNICAL ENGINEER AND PAUL J. FORD AND COMPANY SHALL BE CONTACTED IMMEDIATELY TO EVALUATE THE SIGNIFICANCE OF THE DEVIATION.
2. THE MATERIAL BELOW THE FOUNDATION SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER TO ACHIEVE ADEQUATE DESIGN CAPACITY.
3. THE EFFECT OF ADDITIONAL EXCAVATION FOR FOUNDATION AUGMENTATION AND REINFORCING, WHERE REQUIRED, MAY HAVE AN IMPACT ON EXISTING EQUIPMENT AND/OR OTHER EXISTING STRUCTURES NEAR THE EXCAVATION. THE EOR HAS NOT BEEN PROVIDED WITH ANY SPECIFIC INFORMATION OR DETAILS REGARDING EXISTING EQUIPMENT OR OTHER EXISTING STRUCTURES ON THE SITE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EFFECT THAT ANY EXCAVATION WORK HAS ON EXISTING NEARBY EQUIPMENT AND/OR STRUCTURES. CONTRACTOR SHALL COORDINATE THIS SITE-SPECIFIC INFORMATION WITH THE TOWER OWNER AND THE TESTING AGENCY PRIOR TO CONSTRUCTION AND FOUNDATION WORK. AFTER OBTAINING THE PRIOR WRITTEN PERMISSION OF CROWN CASTLE, THE CONTRACTOR SHALL ADEQUATELY BRACE, SHORE, AND/OR RELOCATE THE INTERFERING EXISTING NEARBY EQUIPMENT AND/OR STRUCTURES AS NECESSARY.

CONCRETE NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 318 (LATEST EDITION) AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE" ACI 301 (LATEST EDITION).
2. CONCRETE SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
 - A. 28 DAY COMPRESSIVE STRENGTH: 4500 PSI (MINIMUM)
 - B. WATER CEMENT RATIO: 0.45 (MAXIMUM). CEMENT SHALL CONFORM TO ASTM C150. WATER SHALL BE CLEAN AND FREE FROM OILS, ACIDS, ALKALIS, AND ORGANIC MATERIALS. NO ADDITIONAL WATER SHALL BE ADDED TO THE CONCRETE AT THE JOB SITE
 - C. DENSITY: 150 PCF (MINIMUM)
 - D. MAX COARSE AGGREGATE SIZE SHALL BE 1"
 - E. AIR ENTRAINMENT: 6% ± 1.5%
 - F. CONCRETE SHALL BE PROPORTIONED AND PRODUCED TO HAVE A SLUMP OF NOT MORE THAN 4" ± 1" OR 8" ± 1" FOR CONCRETE WITH VERIFIED SLUMP OF 2" TO 4" BEFORE ADDING HIGH-RANGE WATER-REDUCING ADMIXTURE OR PLASTICIZING ADMIXTURE.
 - G. FLY ASH OR OTHER POZZOLANS CONFORMING TO ASTM C618 SHALL NOT EXCEED 25% OF CEMENTITIOUS MATERIALS BY WEIGHT.
 - H. ADMIXTURES SHALL NOT CONTAIN CHLORIDE IONS UNLESS APPROVED BY THE ENGINEER OF RECORD.
3. WATER SHALL BE REMOVED FROM OPEN EXCAVATION PRIOR TO CONCRETE PLACEMENT. THE WATER MUST NOT BE ALLOWED TO WASH THE CEMENT FROM THE AGGREGATE.
4. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL OPENINGS, SLEEVES, ANCHOR RODS, INSERTS, ETC., AS REQUIRED BEFORE CONCRETE IS PLACED.
5. CONCRETE SHALL BE POURED MONOLITHICALLY. CONTRACTOR SHALL SUBMIT PROPOSED CONSTRUCTION JOINT LOCATIONS AND DETAILS TO THE EOR FOR REVIEW.

6. CONCRETE SHALL BE PLACED WITHIN 24 HOURS OF EXCAVATION INSPECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXPOSED EXCAVATIONS PRIOR TO CONCRETE PLACEMENT.
7. SAWCUTTING OF THE SLAB IS PROHIBITED.
8. THE TOP OF THE CONCRETE SHALL BE SLOPED (APPROXIMATELY 1/8" PER FOOT) TO DRAIN. THE EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" BY 3/4" MINIMUM.
9. HOT WEATHER CONCRETE PLACEMENT SHALL COMPLY WITH ACI 305R. COLD WEATHER CONCRETE PLACEMENT SHALL COMPLY WITH ACI 306.1.
10. ALL CONCRETE SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION EQUIPMENT. VIBRATORS SHALL NOT BE USED TO TRANSPORT CONCRETE.
11. THE CONTRACTOR SHALL ASSIST TESTING AGENCY IN MAKING A MINIMUM OF (2) TEST CYLINDERS PER TEST. CONCRETE TESTS SHALL BE CONDUCTED FROM A MINIMUM OF (5) RANDOMLY SELECTED TRUCKLOADS PER DAY. IF FEWER THAN (5) TRUCKLOADS OF CONCRETE ARE USED, A TEST SHALL BE CONDUCTED FROM EACH TRUCKLOAD. TESTING AGENCY SHALL PERFORM STRENGTH TESTS IN ACCORDANCE WITH ACI 318.

CONCRETE REINFORCING STEEL NOTES:

1. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A 615 GRADE 60 UNLESS NOTED OTHERWISE.
2. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES, UNLESS OTHERWISE NOTED.
3. PROVIDE CLASS "B" TENSION LAP SPLICE OR FULL MECHANICAL SPLICE IN ACCORDANCE WITH ACI 318 (LATEST EDITION) FOR HORIZONTAL MAT REINFORCING STEEL.
4. REINFORCING STEEL SHALL BE DETAILED, FABRICATED, BENT AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AND ACI 315 (LATEST EDITION).
5. CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC., NECESSARY TO SUPPORT REINFORCING STEEL. CHAIRS WHICH BEAR ON EXPOSED CONCRETE SURFACES SHALL HAVE ENDS WHICH ARE PLASTIC TIPPED OR STAINLESS STEEL.
6. WELDING OF REINFORCING AND EMBEDMENTS IS PROHIBITED.

GENERAL FOUNDATION NOTES:

1. THE ADHESIVE EPOXY SHALL BE "HILTI HY 200" OR APPROVED EQUAL. THE CONTRACTOR SHALL FOLLOW ALL REBAR AND EPOXY MANUFACTURER RECOMMENDATIONS REGARDING HANDLING OF REBAR, EPOXY, ACCEPTABLE AMBIENT TEMPERATURE RANGE DURING INSTALLATION, PROPER PLACEMENT OF EPOXY INTO THE HOLE, ETC. THE HAMMER DRILLED HOLES IN THE CONCRETE SHALL BE CLEAN AND DRY, AND OTHERWISE PROPERLY PREPARED ACCORDING TO THE EPOXY MANUFACTURERS' INSTRUCTIONS, PRIOR TO PLACEMENT OF REBAR AND EPOXY.
2. IF DURING DRILLING EXISTING REBAR MATERIAL IS ENCOUNTERED, RELOCATE HOLE AND GROUT FILL IMPEDED HOLE WITH 5000 PSI NON-SHRINK GROUT. THE CONTRACTOR SHALL CONTACT PAUL J. FORD AND COMPANY TO DETERMINE THE SIGNIFICANCE IN DEVIATION.

3. ALL INTERFACES BETWEEN NEW AND EXISTING CONCRETE SHALL BE INTENTIONALLY ROUGHENED TO A FULL AMPLITUDE OF APPROX. 1/4" AND APPLY BONDING AGENT PRIOR TO PLACING NEW CONCRETE. BONDING AGENT SHALL BE "SIKA ARMATEC 110 EPOCEM" BY SIKA OR APPROVED EQUAL. THE BONDING AGENT SHALL BE USED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. MODIFICATIONS TO THE EXISTING FOUNDATION AT THE BASE OF THE TOWER REQUIRE ADDITIONAL CONCRETE TO ENLARGE THE PLAN DIMENSION OF THE FOUNDATION. EXISTING GROUND RODS SHALL NOT BE EMBEDDED INTO THE NEW CONCRETE. NEW GROUND RODS MAY BE REQUIRED.
5. IF THE CONTRACTOR ENCOUNTERS A CONDUIT IN THE EXISTING FOUNDATION OR ONE IS TO BE INSTALLED WITHIN THE CONFINES OF THE PROPOSED FOUNDATION FOOTPRINT, AND THE LOCATION IS NOT SPECIFIED ON THESE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT PAUL J. FORD AND COMPANY FOR GUIDANCE BEFORE PROCEEDING WITH THE INSTALLATION OF THE PROPOSED FOUNDATION MODIFICATIONS.
6. THE FOUNDATION DESIGN HAS BEEN DEVELOPED IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL ENGINEERING PRINCIPLES AND PRACTICES WITHIN THE LIMITS OF THE SUBSURFACE DATA OBTAINED.
7. WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND SAFETY REGULATIONS. THE FOUNDATION CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LOCAL BUILDING OFFICIALS FOR ANY INSPECTIONS THAT MAY BE REQUIRED.

Maria Consuelo Lopez de Echeverria, P.E. - FL. LICENSE #0000089160
PAUL J. FORD & CO. - #EB-0002848

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DEBARY
SANFORD, FLORIDA
MODIFIED 168' SELF SUPPORT TOWER

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| PROJECT No: | 00021-0097.006.8800 |
| DRAWN BY: | BJH |
| DESIGNED BY: | MTB |
| CHECKED BY: | CMH |
| DATE: | 2/23/2022 |

NOTES

N-2

| REV | DATE | DESCRIPTION |
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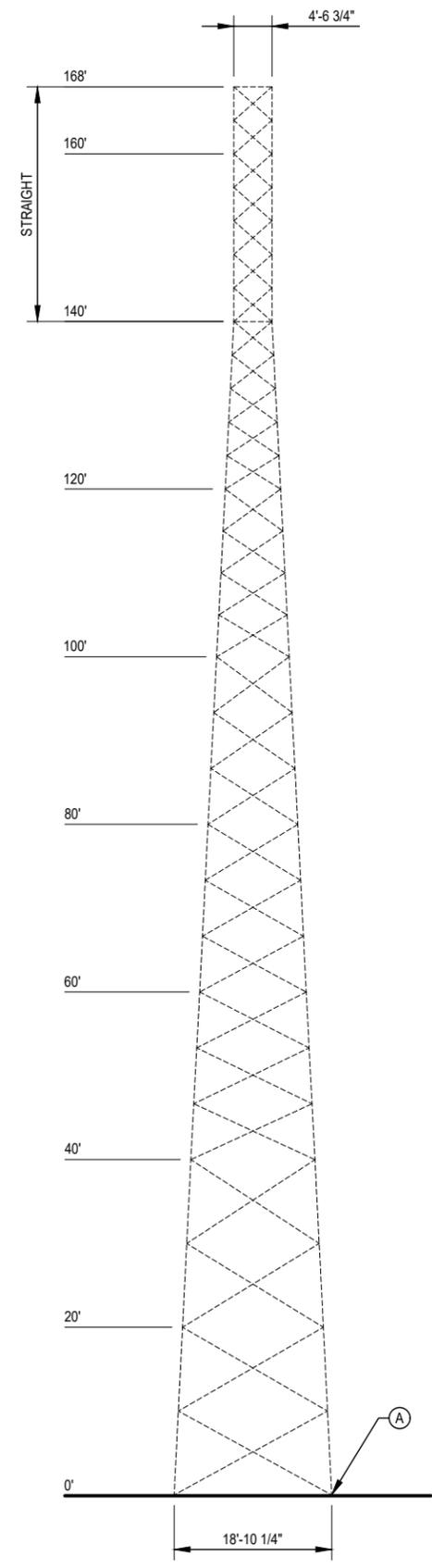
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 PH: (386) 323-3503

| TOWER MODIFICATION SCHEDULE | | | |
|---|-----------|--------------------------------------|------------------|
| | ELEVATION | TOWER MODIFICATION DESCRIPTION | REFERENCE SHEETS |
| (A) | BASE | ADD CONCRETE TO EXISTING FOUNDATIONS | S-2 & S-3 |
| PRIOR TO FABRICATION AND INSTALLATION, CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND QUANTITIES GIVEN. LENGTH AND QUANTITIES PROVIDED ARE FOR QUOTING PURPOSE ONLY AND SHALL NOT BE USED FOR FABRICATION. | | | |



TOWER ELEVATION 1
S-1

Maria Consuelo Lopez de Echeverria, P.E. - FL. LICENSE #0000089160
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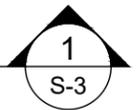
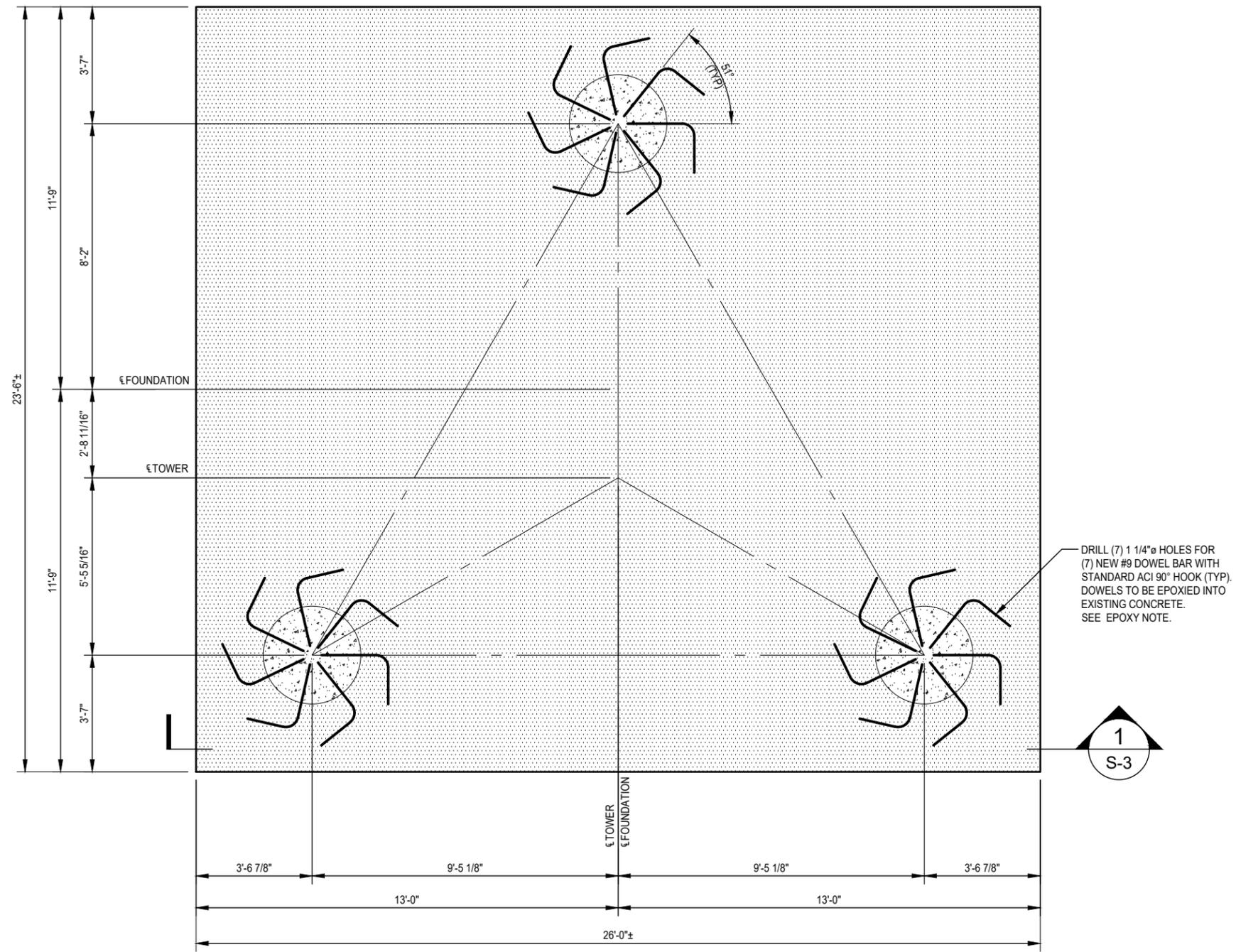
TOWER ELEVATION

S-1

DEBARY
 SANFORD, FLORIDA
 MODIFIED 168' SELF SUPPORT TOWER

00021-0097.006.DWG

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A FOUNDATION PLAN 2 S-2

Maria Consuelo Lopez de Echeverria, P.E. - FL. LICENSE #0000089160
 PAUL J. FORD & CO. - #EB-0002848

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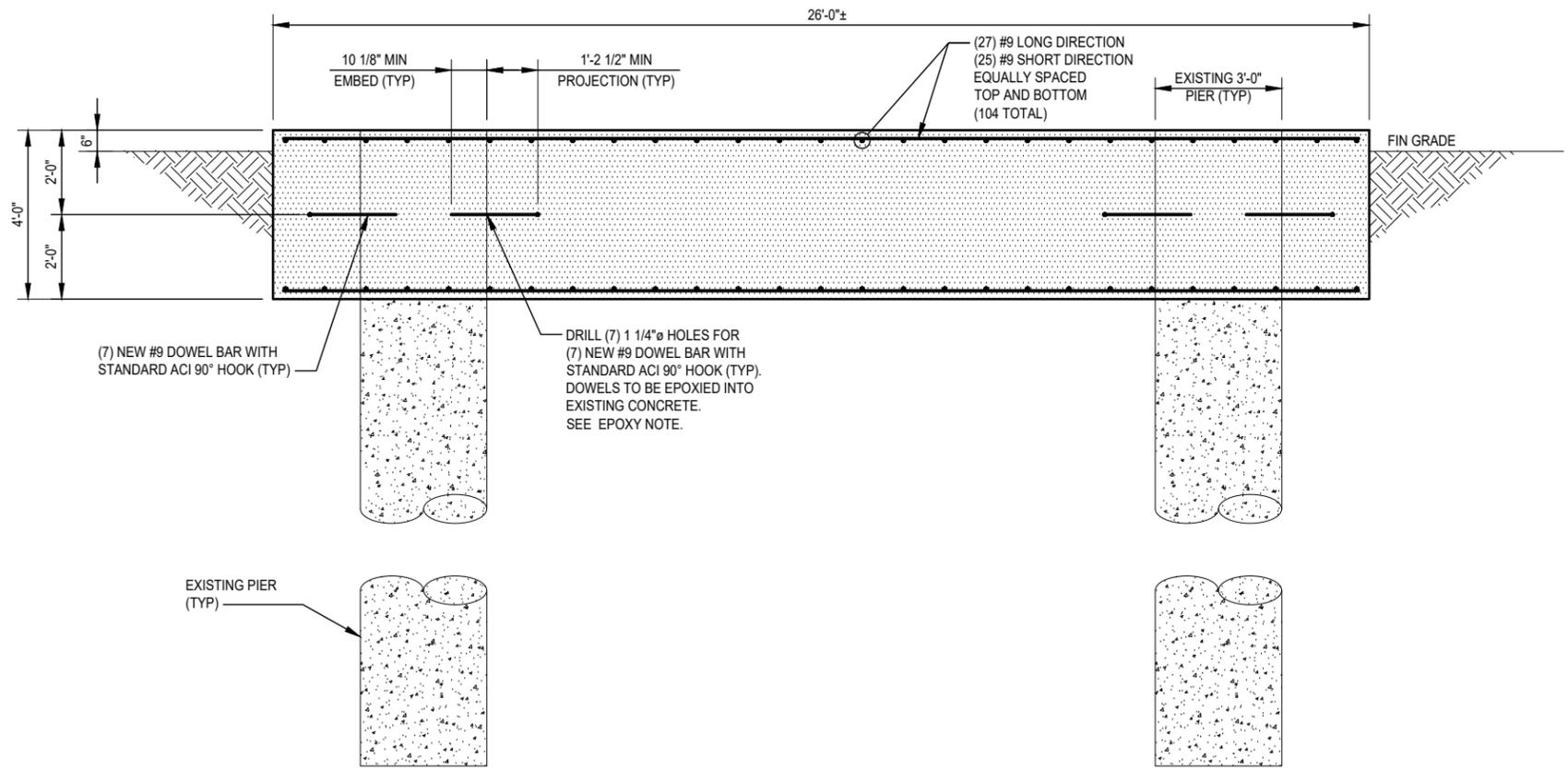
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| DATE: | 2/23/2022 |

FOUNDATION PLAN

S-2

DEBARY
 SANFORD, FLORIDA
 MODIFIED 168' SELF SUPPORT TOWER

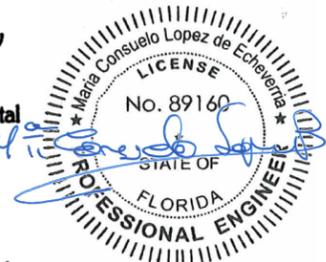
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(A) FOUNDATION ELEVATION 1 (S-3)

Maria Consuelo Lopez de Echeverria, P.E. - FL. LICENSE #0000089160
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| DATE: | 2/23/2022 |

FOUNDATION ELEVATION

S-3

| REV | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |

KIRMS COMMUNICATIONS LLC

814 14TH STREET
LAKE PARK, FL 33403
(561) 429-8126
harrykirms@hotmail.com

Estimate

ADDRESS

Volusia
County of Volusia
County of Volusia
Radio Systems Manager
49 Keyton Dr.
Daytona Beach, Fl. 32124
(386) 323-3503 office
(386) 717-7604 cell

ESTIMATE # 2159
DATE 03/18/2022
EXPIRATION DATE 04/18/2022

| ACTIVITY | QTY | RATE | AMOUNT |
|--|-----|-----------|-----------|
| Debary: Tower Foundation Modification 4905 WAYSIDE DRIVE SANFORD, FLORIDA 32771 VOLUSIA COUNTY LAT: 28 48' 40.20"; LONG: -81 20' 25.30" | | | |
| 03 Installation: Labor, Material, and Machinery to complete foundation installation. Includes sika, hilti, rebar and concrete indicated in report. Includes Concrete pumper due to location of caissons. Concrete spec requires minimum 4500 psi per 28 day. | 1 | 86,900.00 | 86,900.00 |
| 03 Optional: Replace Tower Ground System if necessary. All new Ground rods, 2/0 ground system exothermically attached, per current Harris Grounding standard. Kirms does not know if existing ground system is inside current Tower Modification plan or outside. Pricing is not necessary if ground ring is outside new foundation. Kirms would have to pull existing rods to not create a potential, ground wires would be encased in concrete. pricing assumes all new, would be less if partial. | 0 | 11,750.00 | 0.00 |
| 03 Permitting- Submittal and Fees (Pricing assumes | 1 | 1,750.00 | 1,750.00 |

| ACTIVITY | QTY | RATE | AMOUNT |
|----------|-----|------|--------|
|----------|-----|------|--------|

that building department accepts Paul J ford designs provided by Volusia. Kirms will need 3 sets signed and sealed for submittal. If adjustments to designs are required that will be the responsibility of engineering firm/Volusia at no additional cost to Kirms. Kirms is not providing any additional engineering drawings for permit submittal.)

| | | | |
|--|---|----------|----------|
| 03 Special Inspector Engineering for Contract Document signoff | 1 | 4,500.00 | 4,500.00 |
|--|---|----------|----------|

Kirms does not substantiate Tower Foundation design and is solely the Contractor performing the installation of the Tower Mod foundation. Kirms assumes all engineering meets proper criteria required by Volusia, with Paul J Ford Engineering.

Kirms is assuming area for Tower Modification is free from any water, power, fiber, conduit, wiring, etc. There will be additional cost to relocate any items inside tower foundation modification if required. Kirms is not liable for those items.

Material lead times vary between 2-6 weeks at this point, material pricing is also very volatile. making quote good for 14 days.

Concrete Tower Mod will finish above grade. kirms does not have pricing for bringing in rock to cover concrete. Kirms is assuming brush finish on concrete

Pricing does not include geotechnical reports, Kirms assumption is those are completed by Engineer.

| | |
|-------|--------------------|
| TOTAL | \$93,150.00 |
|-------|--------------------|

Accepted By

Accepted Date