

GENERAL NOTES:

- CONTRACTOR(S) SHALL VISIT PROJECT SITE TO BE FAMILIARIZED WITH ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS. NO CHANGE ORDERS WILL BE ALLOWED AS A RESULT OF ANY FORESEEABLE EXISTING CONDITION PRIOR TO SUBMITTING A BID AND WORK SHALL BE COMPLETED AT NO ADDITIONAL COST TO THE OWNER.
- THE COMPLETE BID PACKAGE INCLUDES A SET OF CONSTRUCTION DRAWINGS HEREIN AND TOWER DRAWINGS, OTHER REFERENCED DRAWINGS, SPECIFICATIONS, STANDARDS, AND MANUFACTURER'S CATALOG DATA AS MAY BE REQUIRED SUCH THAT A FULL UNDERSTANDING OF THE WORK REQUIRED IS PROVIDED. CONTRACTOR(S) IS RESPONSIBLE FOR REVIEW OF TOTAL BID PACKAGE DOCUMENTS PRIOR TO SUBMITTAL OF BIDS. THE TERM "CONSTRUCTION MANAGER" SHALL MEAN JEA SITE DEVELOPMENT PROJECT MANAGER, CONSTRUCTION MANAGER, OR SITE REPRESENTATIVE THAT IS DEEMED IN RESPONSIBLE CHARGE OF SAID CONTRACT
- THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL CHANGES AND SUBSTITUTIONS FROM THE PLANS TO THE FINAL "AS-BUILT" INSTALLATION. A RECORD OF CHANGES SHALL BE MADE ON A CLEAN SET OF CONTRACT DRAWINGS MARKED "AS-BUILT" TO BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION AND ACCEPTANCE OF THE WORK, CHANGES OR SUBSTITUTIONS ARE PERMITTED ONLY BY WRITTEN ACCEPTANCE FROM "CONSTRUCTION MANAGER"
- THE GENERAL CONTRACTOR SHALL MAINTAIN COMPLETE RESPONSIBILITY FOR THE WORK SITE CONDITIONS, INCLUDING THE SAFETY (SEE NOTE #4-PERMIT AND CODE REQUIREMENTS) OF ALL PERSONS AND PROPERTY DURING THE COURSE OF THE CONSTRUCTION UNTIL FINAL ACCEPTANCE AND RELEASE. RESPONSIBILITY OF THE WORK SITE SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR(S) FURTHER AGREE TO INDEMNIFY AND HOLD DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK AS SPECIFIED. ANY DAMAGE TO ADJACENT PROPERTIES AS A RESULT OF WORK PERFORMED WILL BE CORRECTED BY THE CONTRACTOR AT NO EXTRA COST TO THE CONTRACT.
- CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH PROPERTY OWNER SO AS TO AVOID INTERRUPTIONS TO PROPERTY OPERATIONS.
- ALL WORK SHALL BE COMPLETED IN A SATISFACTORY, PROFESSIONAL, WORKMANLIKE 6 MANNER, SUBJECT TO PERIODIC AND/OR REQUIRED INSPECTIONS DURING CONSTRUCTION AND FOR FINAL ACCEPTANCE OF COMPLETED WORK BY THE CONSTRUCTION MANAGER. THE CONTRACTOR SHALL USE ADEQUATE NUMBER OF SKILLED WORKERS WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF WORK
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AN APPROVED TRAFFIC CONTROL PLAN, AS REQUIRED, FOR THE PUBLIC SAFETY ADJACENT TO CONSTRUCTION SITE. THE TRAFFIC CONTROL PLAN MUST BE IN ACCORDANCE WITH LATEST TRAFFIC CONTROL REGULATIONS.
- CONTRACTOR SHALL SUPPLY/ PROVIDE ALL MATERIALS, EQUIPMENT, AND MAN POWER EXCEPT AS PROVIDED IN THE JEA B.O.M. OF ALL MATERIAL AND EQUIPMENT TO BE FURNISHED BY JEA.

ENVIRONMENTAL:

NO.

- ALL WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FINES AND PROPER CLEAN UP FOR AREAS IN VIOLATION
- CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR CONSTRUCTION AND 2. MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, ROADWAYS AND WATERWAYS AND SHALL BE MAINTAINED IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION & RELEASE OF SITE
- 3. CONTRACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE MEASURES WITHIN THE LIMITS OF SITE DISTURBANCE PRIOR TO CONSTRUCTION
- NO SEDIMENT SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADEQUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT 4 CONTROL FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES WITH SILT AND EROSION CONTROL MEASURES MAINTAINED ON THE DOWNSTREAM SIDE OF SITE DRAINAGE. ANY DAMAGE TO ADJACENT PROPERTY AS A RESULT OF EROSION WILL BE CORRECTED AT THE CONTRACTORS EXPENSE
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.
- CLEARING OF VEGETATION AND TREE REMOVAL SHALL BE ONLY AS PERMITTED AND BE HELD TO A MINIMUM. ONLY TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED.
- SEEDING AND MULCHING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT FACILITIES AFFECTING LAND DISTURBANCE.
- CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT 9. EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS, AND CHECK DAMS.
- 10. RIP RAP OF SIZES INDICATED SHALL CONSIST OF CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY STONE FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCES

PERMITS AND CODE REQUIREMENTS:

- ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES OR ORDINANCES. THE MOST STRINGENT SHALL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS ALL CONSTRUCTION, INSTALLATIONS AND MATERIALS SHALL COMPLY WITH THE MOST RECENT EDITIONS OF THE FLORIDA BUILDING CODE, ANY APPLICABLE COUNTY CODES AND REGULATIONS AND SHALL MEET OR EXCEED THE STRICTER OF SAID REQUIREMENT. THE CONSTRUCTION MANAGER WILL CONFIRM APPLICABLE CODE REQUIREMENTS PRIOR TO CONSTRUCTION.
- CONTRACTOR(S) SHALL SECURE ALL THE NECESSARY REGULATORY PERMITS FOR THIS WORK FROM ALL APPLICABLE GOVERNMENT AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL THE CONDITIONS AND REQUIREMENTS OF THE PERMITS. GENERAL CONTRACTOR SHALL OBTAIN AND PAY FOR REQUIRED PERMITS, LICENSES, FEES, INSPECTIONS, ETC. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING OF REQUIRED
- INSPECTIONS AND ALLOWING TIMELY NOTICE TO THE BUILDING INSPECTION DEPARTMENT: A MINIMUM OF 24 HOURS OF NOTICE SHALL BE GIVEN.
- ALL WORK SHALL COMPLY WITH OSHA (OCCUPATIONAL SAFETY HAZARD ADMINISTRATION) AND ANY STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO ANY ACTIVITIES. IN ADDITION, CONTRACTOR AND ALL PERSONEL SHALL COMPLY WITH JEA CONTRACT SAFETY REQUIREMENTS THAT MAY MEET OR EXCEED OTHER REFERENCED STANDARDS, I.E. MINIMUM WORK CLOTHING OF SHIRT, LONG PANTS, WORK BOOTS, HARD HAT, AND SAFETY GLASSES.
- CONTRACTOR(S) ARE RESPONSIBLE FOR ALL TEMPORARY CONSTRUCTION STAGING, BRACING, SHORING, TIES, FORM-WORK ETC.. AS MAY BE NECESSARY OR REQUIRED TO PERFORM THE WORK TO IT'S COMPLETION IN A SAFE MANNER. ALL TEMPORARY WORK SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES TO SAFELY EXECUTE WORK
- FAA/FCC COMPLIANCE COORDINATION AND NOTIFICATIONS SHALL BE HANDLED BY JEA
- CONTRACTOR SHALL REMOVE ALL DEBRIS AND EMPTY COAXIAL CABLE REELS FROM THE SITE UPON COMPLETION OF THE PROJECT.
- BOUNDARY, TOPOGRAPHY AND EXISTING SITE FEATURES ARE BASED ON PROPERTY SURVEY. CONTRACTOR SHALL UTILIZE SURVEY TO ESTABLISH LOCATIONS OF PROPERTY BOUNDARIES ELEVATIONS, BENCHMARKS AND OTHER SITE INFORMATION. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS AND IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER/ENGINEER OF ANY DISCREPANCIES BETWEEN THE SURVEY (OR EXISTING CONDITIONS) AND THE DRAWINGS PRIOR TO PROCEEDING WITH
- CONTRACTOR SHALL DOCUMENT THE EXISTING LOCATIONS OF ALL BURIED UTILITIES, INCLUDING POWER, GROUNDING, CONDUIT SIZES AND LOCATIONS ETC
- 10. CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS DURING THE CONSTRUCTION AND REESTABLISH ANY DISTURBED MONUMENTS BY A PROFESSIONAL LAND SURVEYOR.
- ANTENNA TOWER AND TOWER FOUNDATIONS ARE SHOWN ONLY FOR ILLUSTRATIVE PURPOSES ONLY. REFER TO TOWER RELEASE DRAWINGS AND/OR TOWER AS-BUILTS FOR TOWER DETAILS.
- WHERE REQUIRED, MAINTAIN A MINIMUM OF 10 FT. CLEARANCE DISTANCE FROM TANK FILL CONNECTION AND ANY EXTERIOR SOURCE OF IGNITION. 13. ANY SUBSTITUTIONS OF MATERIALS, EQUIPMENT OR ALTERATIONS FROM THE
- PLANS AND/OR SPECIFICATIONS SHALL BE APPROVED BY THE CONSTRUCTION MANAGER PRIOR TO ORDERING OR INSTALLATIONS.
- COLOR OPTIONS SHALL BE SELECTED BY CONSTRUCTION MANAGER. ANY MATERIALS STORED ON SITE SHALL BE STORED IN CLOSED OR COVERED CONTAINERS AND ALL EXCESS WASTE MATERIALS SHALL BE PROPERLY DISPOSED

DESIGN CRITERIA:

- DESIGN IS IN ACCORDANCE WITH THE 2017 (6TH EDITION) FLORIDA BUILDING CODE WITH ALL AMENDMENTS.
- EQUIPMENT LOADS:
- A. NEW UTILITY H-FRAME W/ CABINETS = 800 LBS DESIGN LOADS: NASSAU COUNTY, FLORIDA
- A. 137 MPH 3-SECOND-GUST WIND SPEED. BUILDING CATEGORY III, IMPORTANCE FACTOR 1.15, EXPOSURE CATEGORY C.
- B. ALL OTHER LOADS ARE PER ASCE 7-05
- EQUIPMENT PAD-ON-GRADE DESIGN IS BASED ON MINIMUM ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF

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DESIGN OF ANTENNAS, MOUNTING HARDWARE, EQUIPMENT CABINETS AND ACCESSORIES ARE BY OTHERS

REINFORCED CONCRETE:

- PREPARATION, TESTING, AND PLACING OF CONCRETE AND REINFORCEMENT SHALL BE PER ACI-318,
- ASSOCIATED COSTS WITH REMOVING AND REINSTALLING EQUIPMENT.
- LBS PER CUBIC YARD OF CONCRETE.
- COMPLY WITH ASTM A615

STRUCTURAL STEEL:

- PLATES SHALL COMPLY WITH ASTM A36 3.
- A123 MINIMUM FILLET WELDS U.O.N. ELECTRODES SHALL BE E70XX. ON SITE WELDING SHALL NOT BE ALLOWED OTHER THAN THE WELDING SHOWN ON THESE
- 5 DRAWINGS AS FIELD WELDS. TORCH CUTTING OF STEEL IS NOT ALLOWED.
- APPLY TWO COATS OF ZINC-RICH RUST-OLEUM #2185 PAINT TO ALL FIELD DRILLED HOLES AND
- RECOMMENDATIONS

ELECTRICAL LEGEND:

	CADWELD TYPE CONNECTION
•	MECHANICAL CONNECTION
	#2 AWG TCW GROUND
UE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
OHE	OVERHEAD ELECTRIC
OHT	OVERHEAD TELEPHONE
OHE&T	OVERHEAD ELECTRIC & TELEPH
UE&T	UNDERGROUND ELECTRIC & TEL
E	ELECTRIC
т —	TELEPHONE
EOU	EXISTING OVERHEAD UTILITIES
A	ALARM
	- REPRESENTS DETAIL NUMBER - REPRESENTS DRAWING NUMBEI



GENERAL NOTES

JEA NASSAU SUBSTATION 85960 WILSON NECK RD YULEE, FL 32097

08-05-20	FOR PERMIT/ CONSTRUCTION				
06-23-20	FOR PERMIT/ CONSTRUCTION				
04-30-20	FOR PERMIT/ CONSTRUCTION				
02-06-20	FOR PERMIT/ CONSTRUCTION				
DATE	REVISIONS AND RECORD OF ISSUE	BY	СНК	APP	FLM



'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", LATEST EDITION ALL CONCRETE SHALL BE NORMAL WEIGHT FIBER MESH AND OBTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI AT END OF 28 DAYS AS DETERMINED BY ASTM C31 AND C39. CONTRACTOR SHALL SUBMIT CONCRETE TEST RESULTS TO THE CONSTRUCTION MANAGER IN A TIMELY MANNER TO NOT DELAY CONSTRUCTION SEQUENCE OF ACTIVITIES. ALL CONCRETE TEST RESULTS FOR 7 DAY AND FOR 28 DAY SHALL BE SUBMITTED FOR ACCEPTANCE. CONCRETE THAT DOES NOT MEET THE STRENGTH REQUIREMENTS SHALL BE REPLACED AT NO ADDITIONAL COST INCLUDING ANY FIBER REINFORCED CONCRETE SHALL COMPLY WITH ASTM A820 WITH MINIMUM DOSAGE RATE OF 80

REINFORCING BARS SHALL HAVE A MINIMUM TENSILE YIELD STRENGTH OF 60,000 PSI AND SHALL

PROVIDE MINIMUM OF 3 INCHES OF CONCRETE COVER OVER STEEL REINFORCING. DURING PLACEMENT OF CONCRETE, MAINTAIN TEMPERATURE BETWEEN 50° AND 90° FAHRENHEIT. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER PRIOR TO ANY CONCRETE PLACEMENT. ALL CONCRETE ANCHORAGE SUCH AS EXPANSION ANCHORS, WEDGE ANCHORS & ADHESIVE ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURES. ANCHOR BOLTS, DOWELS AND/OR THREADED RODS, SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH, OR AS SHOWN ON DRAWINGS.

ALL WORK ON MONOPOLE TOWER SHALL COMPLY WITH TOWER STRUCTURAL REQUIREMENTS. STRUCTURAL PIPE SHALL COMPLY WITH ASTM A53, TYPE E OR S, GRADE B, FY = 35KSI. WIDE FLANGE SHAPES SHALL COMPLY WITH ASTM A992. GRADE 50. ALL OTHER STRUCTURAL SHAPES &

ALL EXPOSED STEEL SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A153 OR

WELDING: ALL WELDING IS TO BE DONE BY PRE-QUALIFIED WELDERS, HOLDING CURRENT CERTIFICATE FROM A RECOGNIZED TESTING LABORATORY. CONSTRUCTION MANAGER SHALL RECEIVE ON FILE CERTIFICATES OF WELDERS FOR APPROVAL PRIOR TO ANY WELDING OPERATIONS. ALL WELDS ARE TO BE PER AWS D1.1, LATEST EDITION. ALL WELDS SHALL BE 3/16"

EXPOSED CUT SURFACES, INCLUDING ALL ENDS OF CUT 'UNI-STRUT' INSTALLED AS PART OF WORK. GLID-GUARD EPOXY #5465 COATING SHALL BE APPLIED TO ALL AREAS WHERE GALVANIZED SURFACES NEED TO BE RECONDITIONED, INCLUDING ALL WELD AREAS. THOROUGHLY CLEAN SURFACE PRIOR TO APPLICATION OF ANY CORROSION INHIBITING COMPOUND OR PRODUCTS. FASTENERS SHALL BE DOMESTIC, NEW HIGH STRENGTH GALVANIZED BOLTS, BEARING TYPE "X" (THREADS EXCLUDED) AND SHALL COMPLY WITH ASTM A325 SPECIFICATIONS, U.O.N. BOLTS SHALL BE TIGHTENED USING TURN-OF-THE-NUT METHOD, U.O.N. EXCEPT TORQUE MECHANICAL AND ADHESIVE ANCHORS IN ACCORDANCE WITH MANUFACTURER'S

ABBREVIATIONS

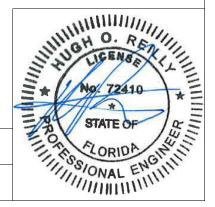
HONE ELEPHONE	AWG BATT BGR C CONC CGB DOT GEN GPS FNMC MTS N.T.S. O.C. PPC	POWER PROTECTION CABINET
3	PPC RBS RGS TCW TYP	POWER PROTECTION CABINET RADIO BASE STATION RIGID GALVANIZED STEEL TINNED COPPER WIRE (#2 AWG SOLID) TYPICAL

=R **/**BER

CAUTION: CONTRACTOR SHALL EXERCISE CAUTION DURING EXCAVATION, SO AS TO NOT DISTURB ANY EXISTING UNDERGROUND UTILITIES OR GROUNDING SYSTEMS

N-1

DATE 08-05-2020



ELECTRICAL:

- 1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE W/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.
- 2. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. ALL EXISTING CONDITIONS OF ELECTRICAL EQUIP., LIGHT FIXTURES, ETC. THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTING 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 & TELEPHONE COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT NOT BE LIMITED TO:
 - A. NFC NATIONAL FIRE CODES

 - **UL UNDERWRITERS LABORATORIES** NEC - NATIONAL ELECTRICAL CODE
 - NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOC. D

 - OSHA OCCUPATIONAL SAFETY AND HEALTH ACT SBC STANDARD BUILDING CODE
- DO NOT SCALE ELECTRICAL DRAWINGS, REFER TO SITE PLANS AND ELEVATIONS FOR EXACT 4. LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH 'CONSTRUCTION MANAGER' ANY SIZES AND LOCATIONS WHEN NEEDED
- EXISTING SERVICES: CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
- CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING FOUIPMENT
- THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
- 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. MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE, ALL CONDUCTORS SHALL BE COPPER WITH THHN / THWN INSULATION.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN 10 WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- 11 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.
- ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY 12 SPECIFICATIONS, SET FORTH BY JEA.
- 13. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS. WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY CONSTRUCTION MANAGER.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE 14 PROGRESS OF CONSTRUCTION.
- CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A 15. PERIOD OF NOT LESS THAN TWO YEARS 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
- 18 PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
- DITCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. REFER TO NOTES AND REQUIREMENTS 'EXCAVATION, AND BACKFILLING.
- 20. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IECE.
- 21. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURES CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- 22. 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.
- 23. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. 24 DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK
- ENCLOSURES AS REQUIRED BY EXPOSURE TYPE 25. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NO-OXIDE A" BY DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE
- CONNECTING, EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED NO SUBSTITUTIONS

NO.

ELECTRICAL (CONT'D):

- 26. RACEWAYS: CONDUIT SHALL BE SCHEDULE 80 PVC MEETING OR EXCEEDING NEMA TC2 1990. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2 FT. RADIUS. CONTRACTOR SHALL USE RIGID ALUMINUM CONDUIT FOR ABOVE GROUND APPLICATIONS; UNDERGROUND USE SCH. 80 ELECTRICAL PVC; ALL RADIUS BENDS SHALL BE LONG SWEEP, OR RIGID ALUMINUM; ALL ELECTRICAL PVC JOINTS SHALL BE PROPERLY GLUED TO PREVENT ANY ELEMENTS FROM THE GROUND FROM ENTERING THE CONDUITS.
- 27. SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
- CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THHN / THWN 28. INSULATION, 600 V OR AS APPROVED BY JEA UPON SUBMITTAL, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
- 29. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
- 30. SERVICE: 240/120V, SINGLE PHASE, 3 WIRE CONNECTION AVAILABLE FROM UTILITY COMPANY. OWNER OR OWNERS AGENT WILL APPLY FOR POWER.
- 31 TELEPHONE SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
- 32. ELECTRICAL AND TELCO RACEWAYS TO BE BURIED A MINIMUM OF 2' DEPTH.
- CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELCO SERVICE CONDUITS. CAUTIONS TAPE TO READ 33 "CAUTION BURIED ELECTRIC" OR "BURIED TELECOMM"
- 34. ALL BOLTS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL(LOW CARBON GRADE)

UTILITIES:

- 1. DAMAGE TO ALL UTILITIES, LAND, DRIVEWAY AREAS AND PROPERTY OF OTHERS, DISTURBED BY CONSTRUCTION ACTIVITIES. SHALL BE RETURNED TO ITS ORIGINAL CONDITION OR BETTER FOR FINAL ACCEPTANCE
- 2. CONTRACTOR SHALL COORDINATE WITH THE LOCAL POWER AND TELEPHONE UTILITIES, AND THE 'CONSTRUCTION MANAGER', TO CONFIRM THE SOURCE OF SERVICE PRIOR TO INSTALLATION OF CONDUITS.
- CONTRACTOR SHALL INSTALL THE UNDERGROUND POWER AND TELEPHONE SERVICE TO 3 EQUIPMENT, AS INDICATED ON ELECTRICAL PLAN AND CONDUIT TRENCH DETAIL
- CONTRACTOR SHALL CONTACT SUBSURFACE UTILITY LOCATOR FOR EXACT LOCATION OF EXISTING UTILITIES, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS BY TEST PIT, AS NECESSARY TO OBTAIN EXACT LOCATION OF UTILITIES. THE UTILITIES SHOWN ON PLANS ARE APPROXIMATE AND FOR SCHEMATIC PURPOSES ONLY
- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND PROVIDE PROTECTION DURING CONSTRUCTION ACTIVITIES AS REQUIRED.
- ALL INTERFACING SURFACES OF DISSIMILAR METALS THAT SHALL BE COATED WITH 'NO-OX' TO PROHIBIT OXIDATION. UTILITIES LOCATED WITHIN ROADWAYS SHALL BE BACK FILLED WITH MIN 18" THICK DENSELY GRADED
- COARSE AGGREGATE SUB BASE. HAND EXCAVATION SHALL BE REQUIRED IN ANY AREAS WHERE EXISTING UTILITIES MAY BE
- UNCOVERED OR NEAR BY. EXISTING ACTIVE UTILITIES SHALL BE PROTECTED AND MAINTAINED AT

GROUNDING:

- 1. SITE GROUNDING SHALL COMPLY WITH JEA GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH THE GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL REQUIREMENTS ARE MORE STRINGENT THEY SHALL GOVERN. GROUNDING SHALL BE COMPLETED BEFORE ERECTION OF TOWER AND/OR INSTALLATION OF ANTENNAS AS SHOWN
- 2. GROUNDING OF ANTENNA MOUNTS, COAX AND EQUIPMENT SHALL BE IN ACCORDANCE WITH JEA SPECIFICATIONS.
- GROUND RING TO EARTH RESISTIVITY SHALL BE 5 OHMS OR LESS.
- GROUND RODS TO BE 5/8"Ø X 10' LONG COPPER CLAD STEEL RODS TO BE DRIVEN TO A DEPTH OF 30 INCHES AND SPACED AT A MAXIMUM OF 10 FEET ALONG EQUIPMENT GROUND RINGS.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL BELOW GRADE CONNECTIONS, EXCEPT FOR ROD TO ROD CONNECTION.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL LUG FITTINGS TO GROUND WIRE CONNECTIONS AT ANTENNA GROUND BAR AND COLLECTOR BARS. 6
- TOWER GROUND RING SHALL BE ATTACHED TO STRUCTURE IN THREE LOCATIONS ON THE FLANGE OF TOWER OR POLE BASE. DO NOT WELD TO POLE SHAFT OR TOWER LEGS.
- TOWER AND EQUIPMENT RING SHALL TIE BACK TO BELOW GRADE WITH TWO LEADS
- TOWER GROUND RING TO BE INSTALLED WITHIN 3' FROM TOWER FOUNDATION.
- EQUIPMENT GROUND RING TO BE INSTALLED WITHIN 3' FROM CONCRETE FOUNDATION
- TCW SIZE #2 SHALL USED THROUGHOUT EXCEPT WHERE SPECIFICALLY CALLED OUT OTHERWISE ON 11. DRAWINGS
- 12. CONNECT GATE TO GATE POST (TYP 2 PLACES) WITH A CONNECT-IT FLEXIBLE GATE JUMPER 4/0 STRANDED (CIW PART #38-5534-24) OR APPROVED EQUAL (FURNISHED BY CONTRACTOR), LENGTH TO ALLOW FOR FULL SWING OPERATION OF ALL GATES.
- WHERE MECHANICAL CONNECTORS ARE USED, APPLY A LIBERAL PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NO OXIDE A" BY DEARBORNE CHEMICAL COMPANY OR EQUAL THOROUGHLY CLEAN AND REMOVE ALL PAINT FROM SURFACES REQUIRING GROUND CONNECTIONS. USE STAINLESS STEEL HARDWARE FOR ALL COMPRESSION TYPE LUGS. USE ONLY SILICON BRONZE HARDWARE FOR THERMOWELD LUG CONNECTIONS. USE S.S. BOLTS 1/2 INCH DIA. MIN. WITH WASHER HEAD & NUT & LOCKWASHER FOR LUG CONNECTIONS
- 14. GROUND ALL ICE BRIDGE POSTS TO THE EQUIPMENT GROUND RING.
- GROUND RING SHALL BE BURIED A MINIMUM 30" BELOW GRADE 15.
- WELD TYPES TO BE: "T" TYPE FOR GROUND RODS AND PARALLEL CONNECTIONS OF SIZE #2.



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GENERAL NOTES

JEA NASSAU SUBSTATION 85960 WILSON NECK RD YULEE, FL 32097

- З
- LAYERS
- ASTM D1557 6.
- FILLING

- DRIVE AREA 9

08-05-20 FOR PERMIT/ CONSTRUCTION FOR PERMIT/ CONSTRUCTION 06-23-20 04-30-20 FOR PERMIT/ CONSTRUCTION 02-06-20 FOR PERMIT/ CONSTRUCTION DATE REVISIONS AND RECORD OF ISSUE BY CHK APP FLM

FOUNDATION, EXCAVATION AND BACKFILL:

ALL FINAL GRADED SLOPES SHALL BE A MAXIMUM OF 3 HORIZONTAL TO 1 VERTICAL ALL EXCAVATIONS PREPARED FOR PLACEMENT OF CONCRETE SHALL BE OF UNDISTURBED SOILS, SUBSTANTIALLY HORIZONTAL AND FREE FROM ANY LOOSE, UNSUITABLE MATERIAL OR FROZEN SOILS, AND WITHOUT THE PRESENCE OF PONDING WATER. DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED WHEN REQUIRED. COMPACTION OF SOILS UNDER CONCRETE PAD FOUNDATIONS SHALL NOT BE LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR THE SOIL IN ACCORDANCE WITH ASTM D1557.

CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC OR UNSUITABLE MATERIAL. IF INADEQUATE BEARING CAPACITY IS REACHED AT THE DESIGNED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION SHALL BE FILLED WITH CONCRETE OF THE SAME TYPE SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. ANY STONE SUB BASE MATERIAL, IF USED, SHALL NOT SUBSTITUTE FOR REQUIRED THICKNESS OF CONCRETE. ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH,

DEBRIS, AND SO FORTH PRIOR TO BACK FILLING. BACK FILL SHALL CONSIST OF APPROVED MATERIALS SUCH AS EARTH, SANDY CLAY, SAND AND GRAVEL, OR SOFT SHALE, FREE FROM CLODS OR LARGE STONES OVER 2 1/2" MAX DIMENSIONS. ALL BACK FILL SHALL BE PLACED IN COMPACTED

ALL FILL MATERIALS AND FOUNDATION BACK FILL SHALL BE PLACED IN MAXIMUM 6"THICK LIFTS BEFORE COMPACTION. EACH LIFT SHALL BE WETTED IF REQUIRED AND COMPACTED TO NOT LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR SOIL IN ACCORDANCE WITH

NEWLY PLACED CONCRETE FOUNDATIONS SHALL CURE A MINIMUM OF 72 HRS PRIOR TO BACK

FINISHED GRADING SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE AND PREVENT STANDING WATER. THE FINAL (FINISH) ELEVATION OF SLAB FOUNDATIONS SHALL SLOPE AWAY IN ALL DIRECTIONS FROM THE CENTER. FINISH GRADE OF CONCRETE PADS SHALL BE A MAXIMUM OF 4 INCHES ABOVE FINAL FINISH GRADE ELEVATIONS, PROVIDE SURFACE FILL GRAVEL TO ESTABLISH SPECIFIED ELEVATIONS WHERE REQUIRED.

NEWLY GRADED SURFACE AREAS TO RECEIVE GRAVEL SHALL BE COVERED WITH GEOTEXTILE FABRIC TYPE: MIRAFI 500X GEO TEXTILE FABRIC AS MANUFACTURED BY "CONSTRUCTION MATERIAL 1-800-239-3841" OR AN APPROVED EQUIVALENT, SHOWN ON PLANS. THE GEOTEXTILE FABRIC SHALL BE BLACK IN COLOR TO CONTROL THE RECURRENCE OF VEGETATIVE GROWTH AND EXTEND TO WITHIN 1 FOOT OUTSIDE THE SITE FENCING OR ELECTRICAL GROUNDING SYSTEM PERIMETER WHICH EVER IS GREATER. ALL FABRIC SHALL BE COVERED WITH A MINIMUM OF 2" DEEP COMPACTED CRUSHED LIMESTONE FOR GENERAL COMPOUND AREAS AND 4" DEEP COMPACTED LIMESTONE FOR ACCESS DRIVE AND UNDER CONCRETE PADS (CRUSHED RECYCLED CONCRETE IS NOT ACCEPTABLE) AS SPECIFIED, I.E. FDOT TYPE NO. 57 FOR FENCED COMPOUND: FDOT TYPE NO. 67 FOR ACCESS

IN ALL AREAS TO RECEIVE FILL, REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE. PLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SUCH THAT FILL MATERIAL WILL BIND WITH EXISTING/PREPARED SOIL SURFACE.
10. WHEN SUB GRADE OR PREPARED GROUND SURFACE HAS A DENSITY LESS THAN THAT REQUIRED FOR THE FILL MATERIAL, SCARIFY THE GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION AND/OR AERATE THE SOILS AND RECOMPACT TO THE REQUIRED DENSITY PRIOR TO PLACEMENT OF FILLS.

11. IN AREAS WHICH EXISTING GRAVEL SURFACING IS REMOVED OR DISTURBED DURING CONSTRUCTION OPERATIONS, REPLACE GRAVEL SURFACING TO MATCH ADJACENT GRAVEL SURFACING AND RESTORED TO THE SAME THICKNESS AND COMPACTION AS SPECIFIED. ALL RESTORED GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES. 12. EXISTING GRAVEL SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED WITH THE CONDITION

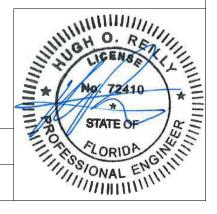
THAT ANY UNFAVORABLE AMOUNTS OF ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ANY ADDITIONAL GRAVEL RESURFACING MATERIAL AS NEEDED TO PROVIDE A FULL DEPTH COMPACTED SURFACE THROUGHOUT SITE.

13. GRAVEL SUB SURFACE SHALL BE PREPARED TO REQUIRED COMPACTION AND SUB GRADE ELEVATIONS BEFORE GRAVEL SURFACING IS PLACED AND/OR RESTORED. ANY LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED AND ANY DEPRESSIONS IN THE SUB GRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL, GRAVEL SURFACING MATERIAL SHALL NOT BE USED FOR FILLING DEPRESSIONS IN THE SUB GRADE.

14. PROTECT EXISTING GRAVEL SURFACING AND SUB GRADE FEATURES SUCH AS CULVERTS ETC. IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING 'MATTS' OR OTHER SUITABLE PROTECTION DESIGNED TO SPREAD EQUIPMENT LOADS AS MAY BE NECESSARY. REPAIR ANY DAMAGE TO EXISTING GRAVEL SURFACING OR SUB GRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTORS OPERATIONS.

15. DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/ OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.

16. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES AT NO ADDITIONAL COST TO THE CONTRACT. APPROVED LOCATIONS SHALL BE KNOWN PRIOR TO DISPOSAL ACTIVITIES



N-2

DATE: 08-05-2020

ANTENNA/COAXIAL CABLE GENERAL NOTES:

- 1. VERIFY EACH COAXIAL CABLE LENGTH, DIAMETER, ROUTING, COLOR CODING AND ALL APPURTENANCES WITH JEA.
- 2. THE MAXIMUM COAXIAL CABLE LENGTH AND CORRESPONDING COAXIAL CABLE DIAMETER HAS BEEN ESTIMATED ON SHEET C-4. THIS CABLE LENGTH IS APPROXIMATE, AND IS NOT TO BE USED FOR FABRICATION OR CONSTRUCTION. ACTUAL ANTENNA CABLE LENGTH(S) MAY VARY FROM ESTIMATED MAXIMUM LENGTH AND MUST BE VERIFIED.
- ALL MAIN CABLES SHALL UTILIZE GROUND KITS, GROUNDED AS FOLLOWS: A. NEAR ANTENNA RAD CENTER ELEVATION, DEPENDENT OF A DEPENDENT
 - B. MIDDLE OF TOWER (MID-HEIGHT OF ANTENNA), IF CABLE RUN IS OVER 200°,
 - C. BOTTOM OF TOWER,
 - D. AT MASTER GROUND BAR INSIDE JEA SHELTER.
- ALL TOP JUMPERS SHALL BE LENGTHS AS SHOWN, AND INSTALLED BY CONTRACTOR
- 5. ALL MAIN CABLES SHALL BE COLOR CODED AT THREE (3) LOCATIONS AS FOLLOWS:
 - A. AT ANTENNA PRIOR TO JUMPER

Δ

- B. AT THE BOTTOM OF TOWER
- C. AT THE MASTER GROUND BAR.
- BANDING SHALL BE AS FOLLOWS: A. MAIN LINE COLOR BANDS SHALL BE 2" WIDE. MAINTAIN 1" SPACING BETWEEN COLORS.
 - B. JUMPER COLOR BANDS SHALL BE 1" WIDE. WITH 1" SPACE.
 - C. START COLOR BANDS 2" BEYOND WEATHERPROOFING.
 - D. START SELECTOR COLOR NEXT TO END CONNECTORS.
- FINAL COAXIAL ANTENNA CABLE SIZES SHALL BE DETERMINED BY JEA RF
- ENGINEER. SEE ANTENNA SCHEDULE SHEET C-4. 8. SEE CONSTRUCTION MANAGER FOR ANTENNA SUPPORT ASSEMBLY TYPE.
- ALL COAXIAL CABLE WILL BE SECURED TO THE DESIGNED SUPPORT STRUCTURE AT DISTANCES NOT TO EXCEED 3' OR THE CABLE MANUFACTURES SPECIFICATIONS WHICHEVER IS LESS, WITH HARDWARE SPECIFIED IN THE COAXIAL CABLE ROUTING DETAILS OF THE SUPPLIED STRUCTURAL REPORT.
- 10. PROVIDE AT LEAST 6" OF SLACK IN THE MAIN COAXIAL CABLES AT THE ANTENNA MOUNTING ELEVATION TO PROVIDE FOR FUTURE CONNECTOR REPLACEMENT.

NATIONAL CODES & SPECIFICATIONS:

- ANSI C84.1-1982, VOLTAGE RATINGS (60 HZ) FOR ELECTRICAL POWER SYSTEMS AND EQUIPMENT
- 2. NFPA 70, NATIONAL ELECTRICAL CODE, 2014 EDITION
- 3. UL 508, INDUSTRIAL CONTROL EQUIPMENT
- 4. UL 1581, ELECTRICAL WIRE, CABLES, AND FLEXIBLE CORDS

WOVEN WIRE FENCING:

- (INSTALL FENCING PER ASTM F-567, SWING GATES PER ASTM F-900) 1. CORNER, TERMINAL OR PULL POSTS: 3", SCHEDULE 40. GATE
- POSTS: 4", SCHEDULE 40, FOR GATE WIDTHS UP TO 6', PER ASTM F-1083. 2. LINE POST: 2 1/2", SCHEDULE 40 PIPE, PER ASTM F-1083.
- GATE FRAME: 1 1/2", SCHEDULE 40 PIPE, PER ASTM F-1003.
 TOP
- FENCE FABRIC: 9 GA CORE WIRE, SIZE 2 1/4" MESH, CONFORM TO ASTM A-392.
- TIE WIRE: 9 GA MINIMUM GALVANIZED STEEL AT POSTS AND RAILS, SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE W/HOG RINGS, SPACED AT 24" INTERVALS MAXIMUM.
- TENSION WIRE: 7 GA GALVANIZED STEEL.
 BARBED WIRE: DOUBLE STRAND, 12 1/2 GA, TWISTED WIRE TO MATCH W/FABRIC, 4-POINT BARBS SPACED AT
- APPROXIMATELY 5" OC; CLASS 1 GALVANIZED BARBED WIRE. 8. GATE LATCH: 1 3/8" PLUNGER ROD W/MUSHROOM-TYPE
- CATCH AND LOCK; KEYED ALIKE FOR ALL SITES IN GIVEN MTA. 9. LOCAL ORDINANCE FOR BARBED WIRE PERMIT REQUIREMENT
- SHALL BE COMPLIED WITH, IF REQUIRED. 10. HEIGHT: 8'-0" VERTICAL DIMENSION FOR FENCE + 1'-0" VERTICAL DIMENSION FOR BARBED WIRE.

NOTE: ALL ELECTRICAL WORK SHALL COMPLY WITH FP&L "ELECTRIC SERVICE STANDARDS" LATEST EDITION https://www.fpl.com/partner/builders/service-standards.html)

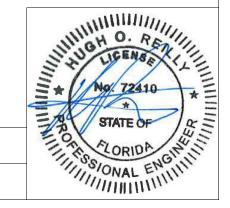
NO.	DATE	REVISIONS AND RECORD OF ISSUE	BY	СНК	APP	FLM	TELECON
1	02-06-20	FOR PERMIT/ CONSTRUCTION					
2	04-30-20	FOR PERMIT/ CONSTRUCTION					
3	06-23-20	FOR PERMIT/ CONSTRUCTION					
4	08-05-20	FOR PERMIT/ CONSTRUCTION					_



- 1. JEA SHALL SUPPLY THE SHELTER AND METER CENTER TO BE INSTALLED BY CONTRACTOR.
- 2. GC SHALL FURNISH AND INSTALL ALL GROUNDING COMPONENTS (INCLUDING BUT NOT LIMITED TO: GROUNDING RODS, GROUNDING CONDUCTORS, AND INSPECTION WELLS) FOR THE TOWER, SHELTER, AND COMPOUND, AND COORDINATE WITH THE RF CONTRACTOR TO CONNECT TO THE RF GROUNDING.
- 3. ALL CONTRACTOR PROVIDED MATERIAL MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY JEA PRIOR TO ORDERING.

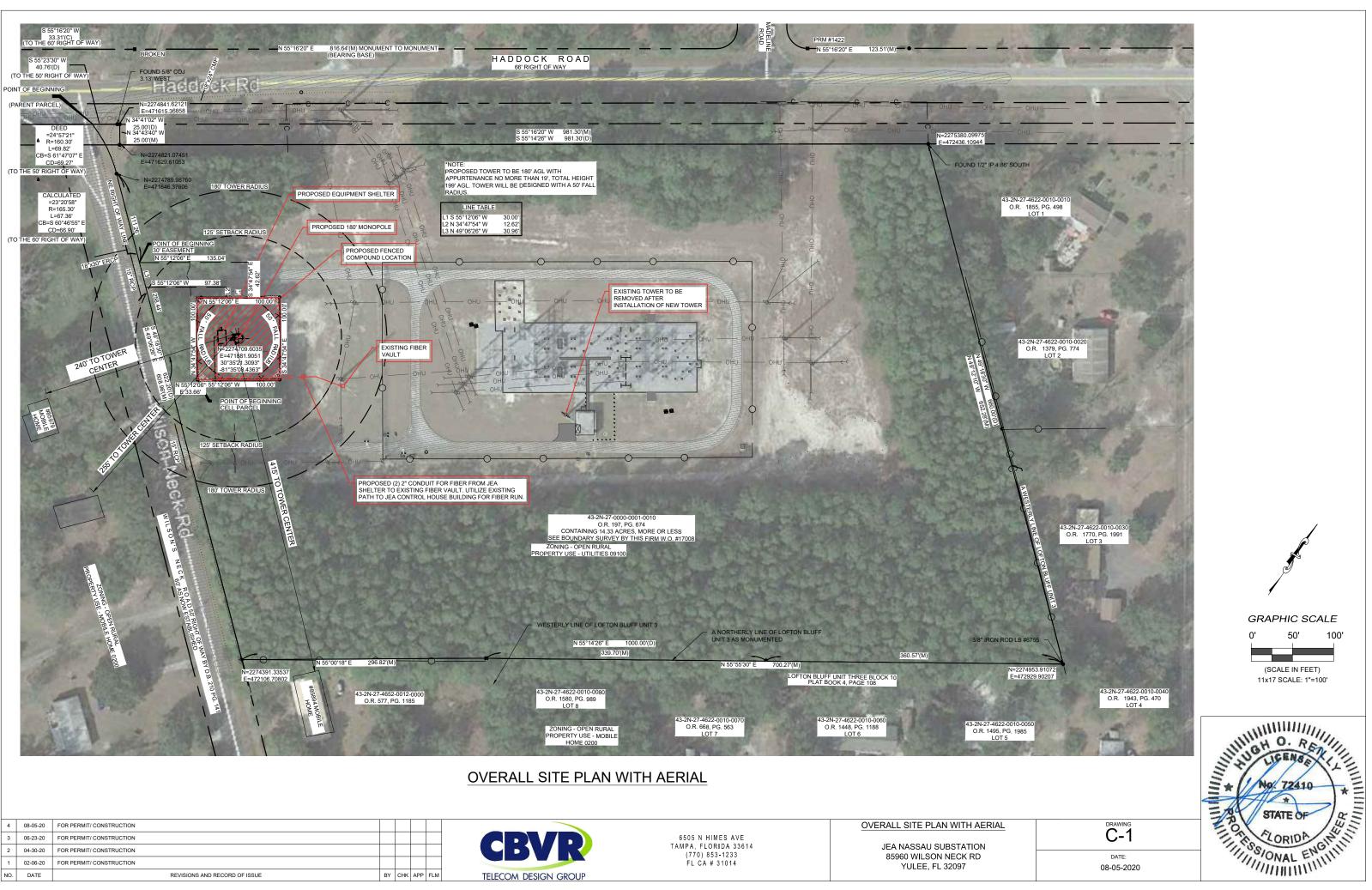


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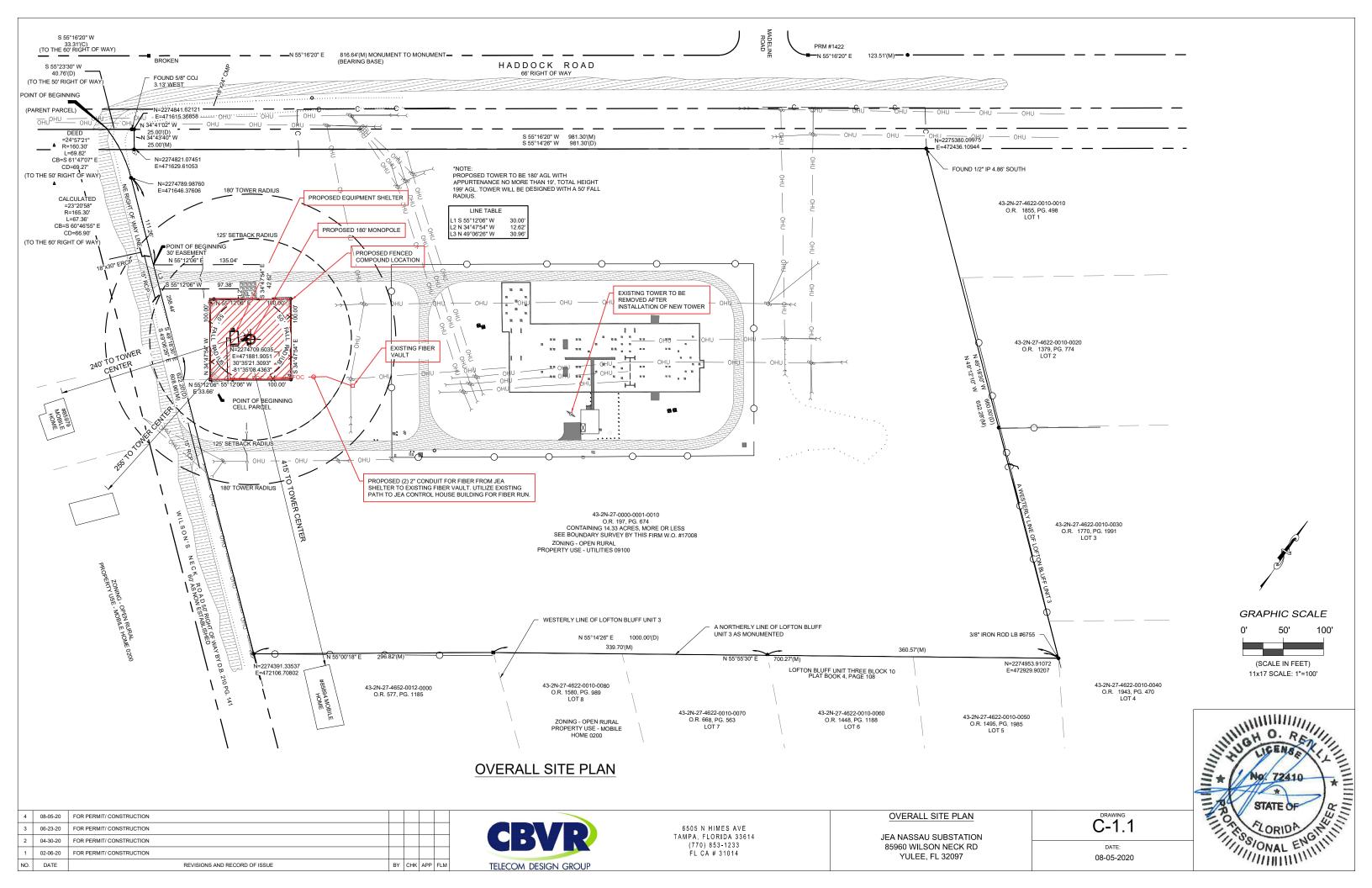
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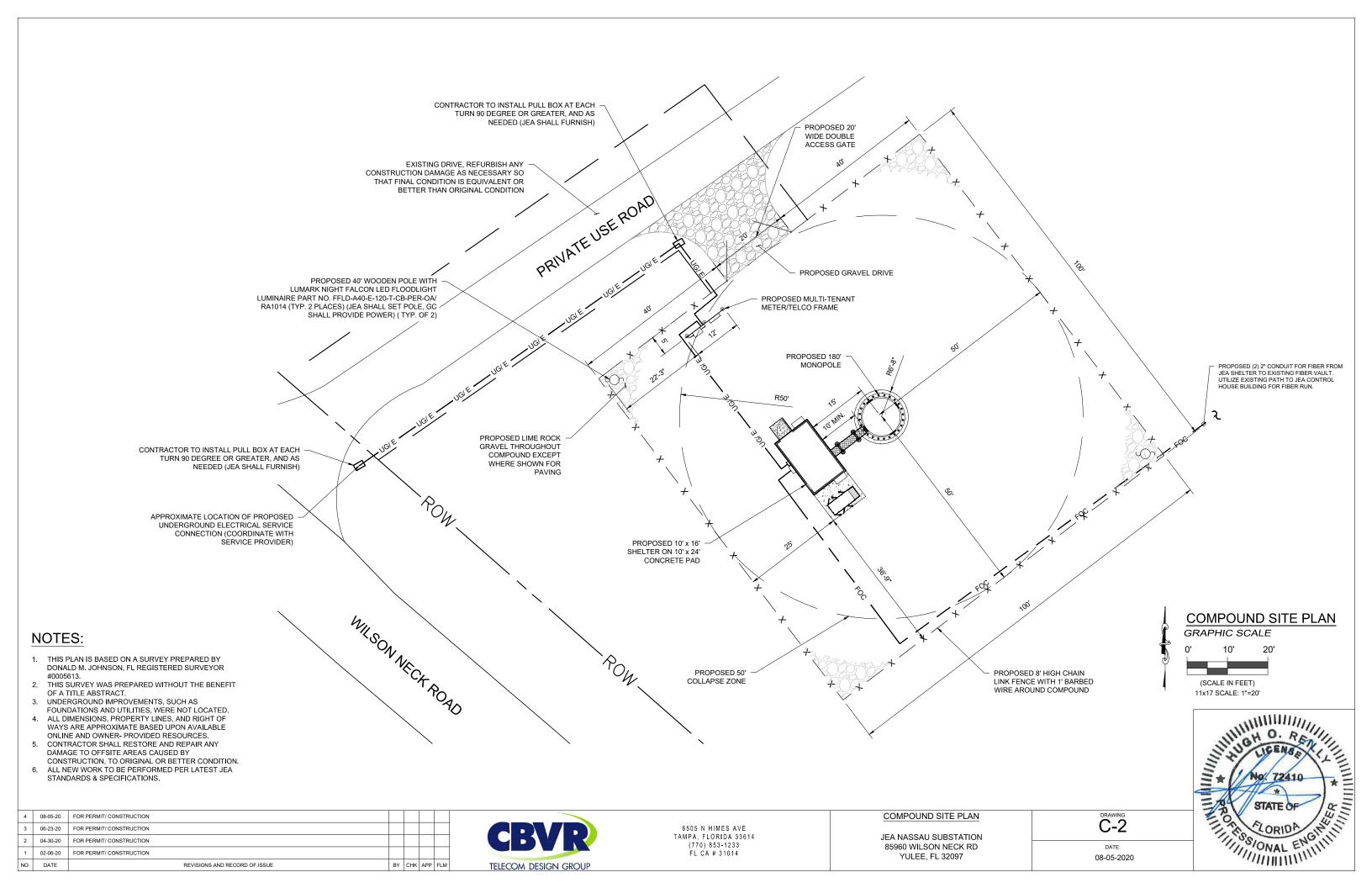
DATE: 08-05-2020



4	08-05-20	FOR PERMIT/ CONSTRUCTION					
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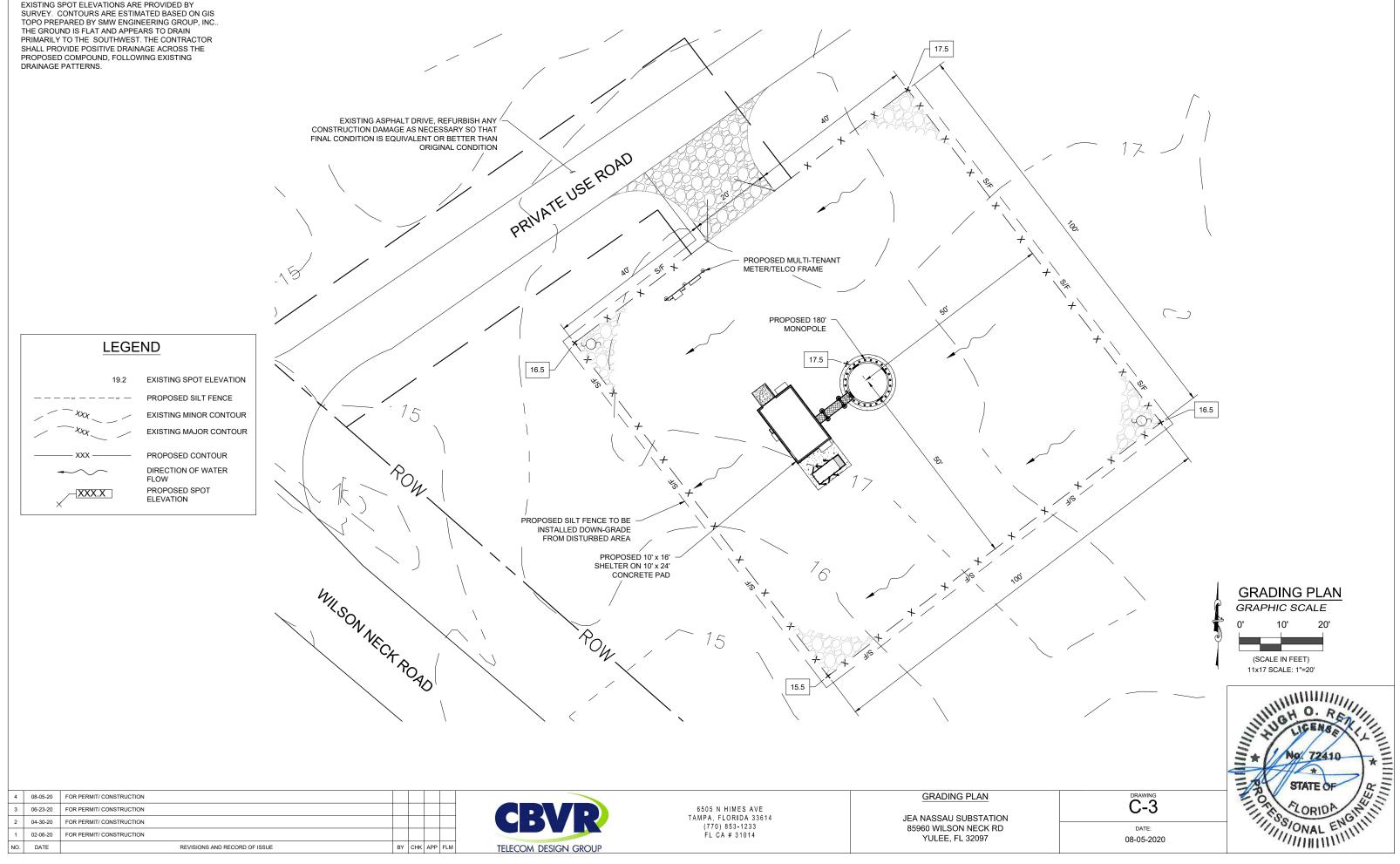




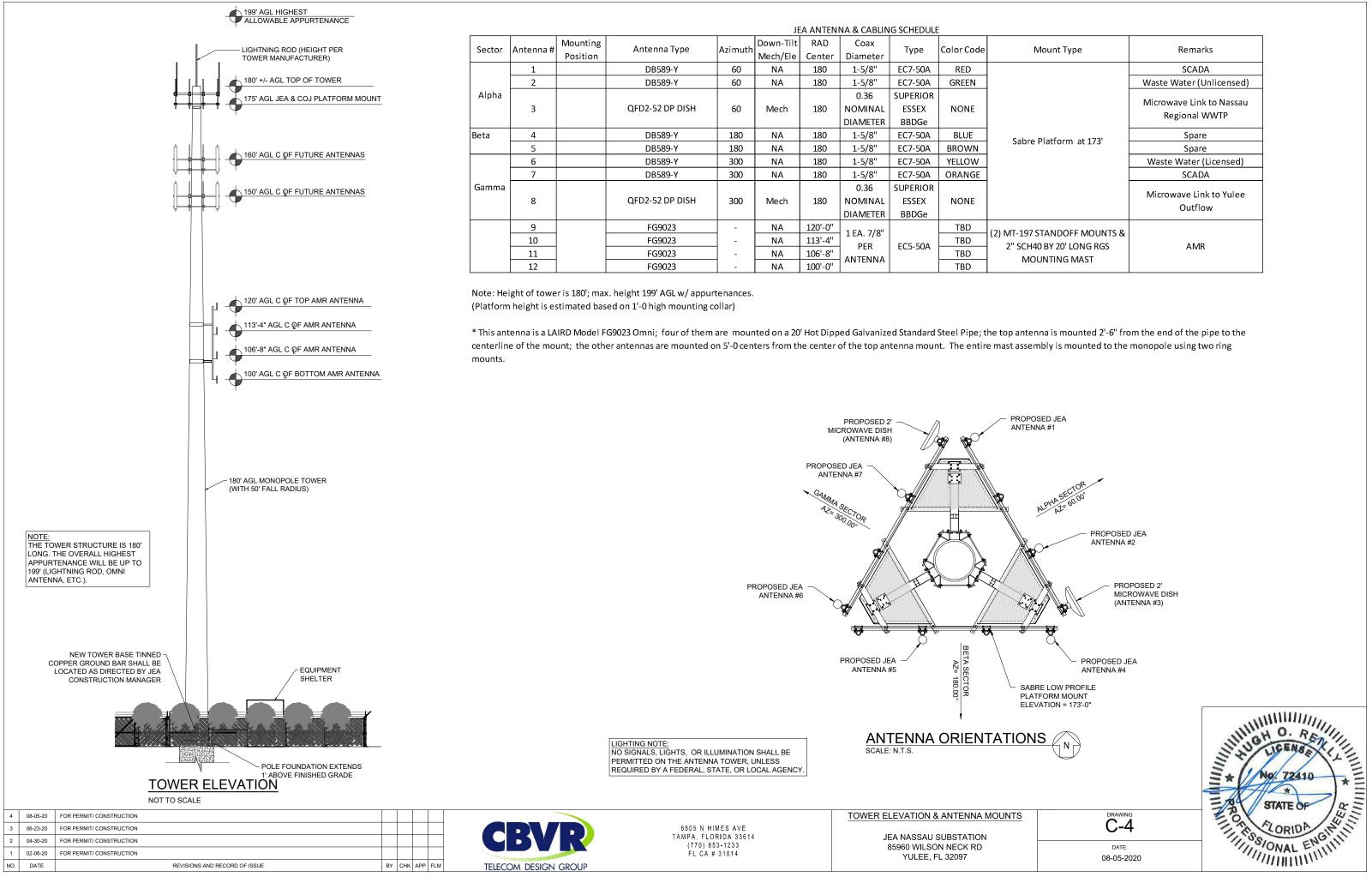


GRADING NOTES:

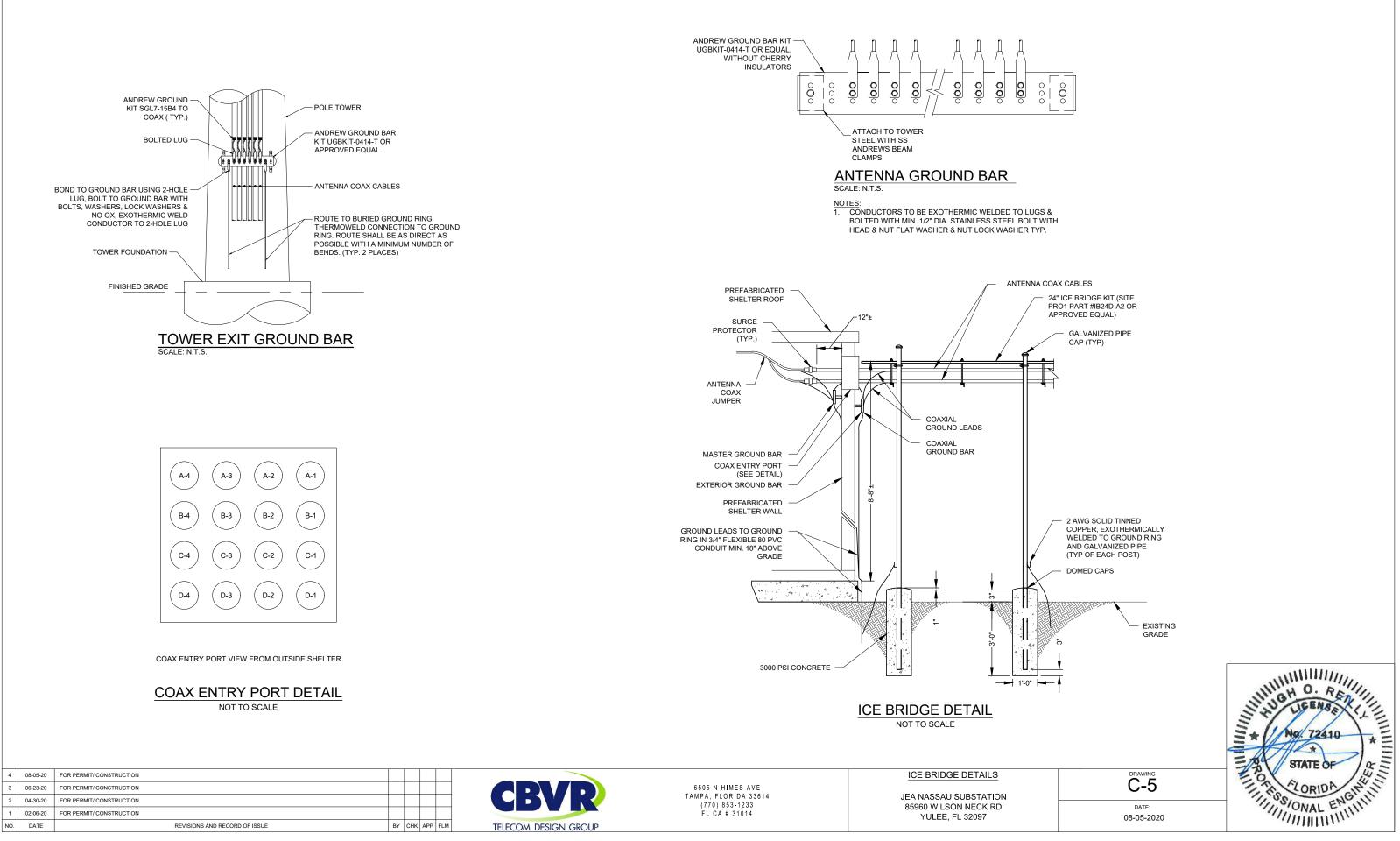
EXISTING SPOT ELEVATIONS ARE PROVIDED BY SURVEY. CONTOURS ARE ESTIMATED BASED ON GIS TOPO PREPARED BY SMW ENGINEERING GROUP, INC..



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1014		

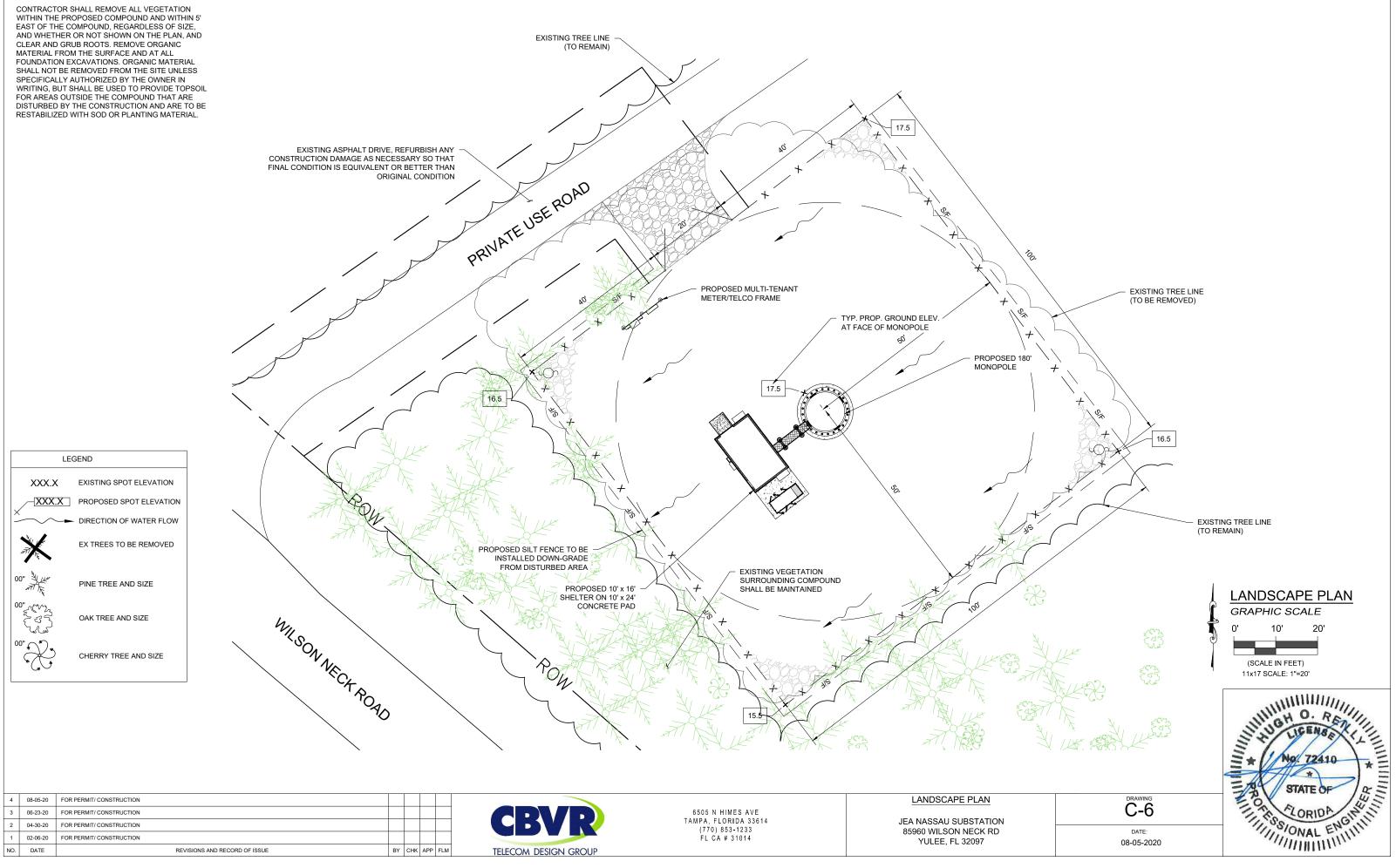


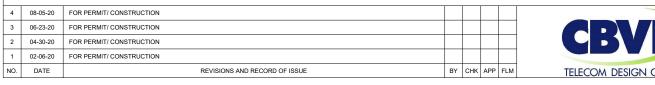
Mount Type	Remarks
	SCADA
	Waste Water (Unlicensed)
	Microwave Link to Nassau Regional WWTP
Cohro Diotform at 172	Spare
Sabre Platform at 173'	Spare
	Waste Water (Licensed)
	SCADA
	Microwave Link to Yulee Outflow
T-197 STANDOFF MOUNTS & " SCH40 BY 20' LONG RGS MOUNTING MAST	AMR



JEA NASSAU SUBSTATI
85960 WILSON NECK R
YULEE, FL 32097

DEMOLITION NOTES:





DEMOLITION NOTES:

06-23-20

04-30-20

02-06-20

NO. DATE

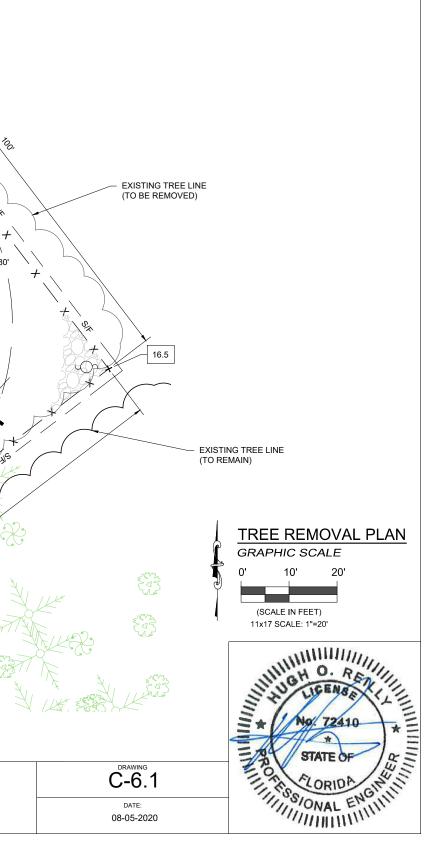
CONTRACTOR SHALL REMOVE ALL VEGETATION WITHIN THE PROPOSED COMPOUND AND WITHIN 5' EAST OF THE COMPOUND, REGARDLESS OF SIZE, AND WHETHER OR NOT SHOWN ON THE PLAN, AND EXISTING TREE LINE CLEAR AND GRUB ROOTS. REMOVE ORGANIC MATERIAL FROM THE SURFACE AND AT ALL (TO REMAIN) FOUNDATION EXCAVATIONS. ORGANIC MATERIAL SHALL NOT BE REMOVED FROM THE SITE UNLESS SPECIFICALLY AUTHORIZED BY THE OWNER IN WRITING, BUT SHALL BE USED TO PROVIDE TOPSOIL FOR AREAS OUTSIDE THE COMPOUND THAT ARE DISTURBED BY THE CONSTRUCTION AND ARE TO BE RESTABILIZED WITH SOD OR PLANTING MATERIAL. 17.5 EXISTING ASPHALT DRIVE, REFURBISH ANY CONSTRUCTION DAMAGE AS NECESSARY SO THAT FINAL CONDITION IS EQUIVALENT OR BETTER THAN LEGEND PRIVATEUSEROAD ORIGINAL CONDITION XXX.X EXISTING SPOT ELEVATION XXX.X PROPOSED SPOT ELEVATION DIRECTION OF WATER FLOW EX TREES TO BE REMOVED PROPOSED MULTI-TENANT NÔ PINE TREE AND SIZE METER/TELCO FRAME 119 PYP. PROP. GROUND ELEV. OAK TREE AND SIZE AT FACE OF MONOPOLE PROPOSED 180' MONOPOLE CHERRY TREE AND SIZE 17.5 16.5 TREE REMOVAL SCHEDULE ≫ TREE SIZE QTY 7" 3 8" 2 9" 5 10" 2 PINE 11" 3 12" 4 14" 1 15" 1 18" 1 SUBTOTAL 230" 22 PROPOSED SILT FENCE TO BE 6" 2 INSTALLED DOWN-GRADE FROM DISTURBED AREA 7" 1 8" 3 X PROPOSED 10' x 16' OAK 9" 2 SHELTER ON 10' x 24' 11" 3 CONCRETE PAD WILSON NECK ROAD 12" 1 15" 1 SUBTOTAL 121" 13 6" 3 POH 8" 3 CHERRY 9" 1 10" 1 SUBTOTAL 61" 8 EXISTING VEGETATION TOTAL 412" 43 SURROUNDING COMPOUND SHALL BE MAINTAINED

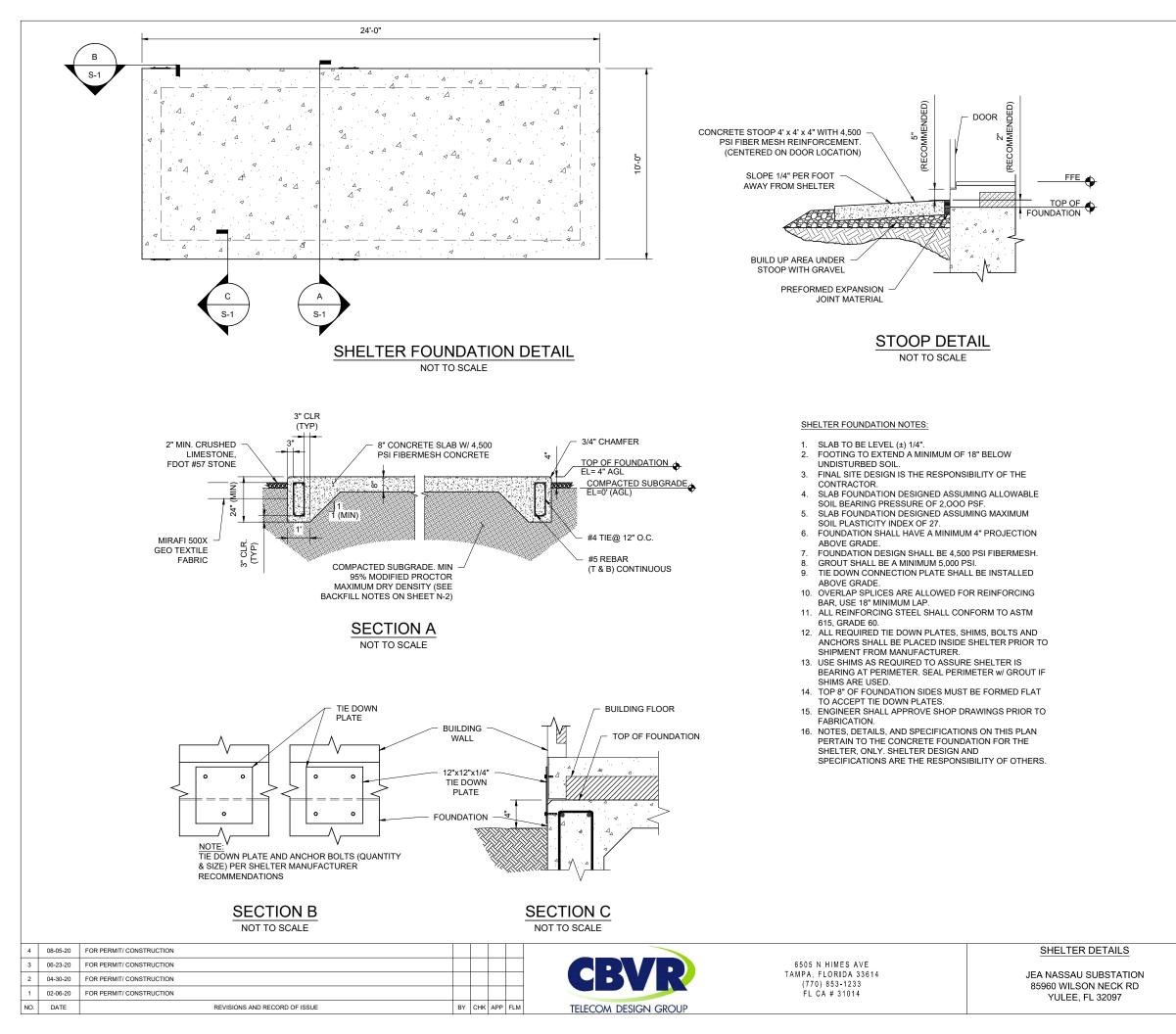


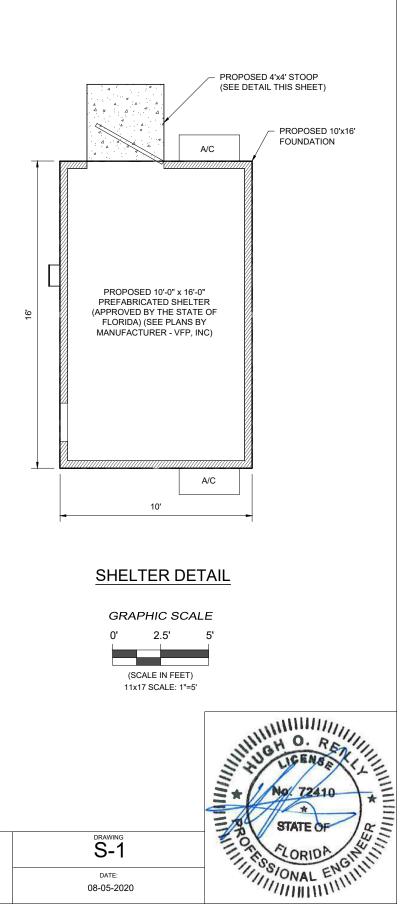
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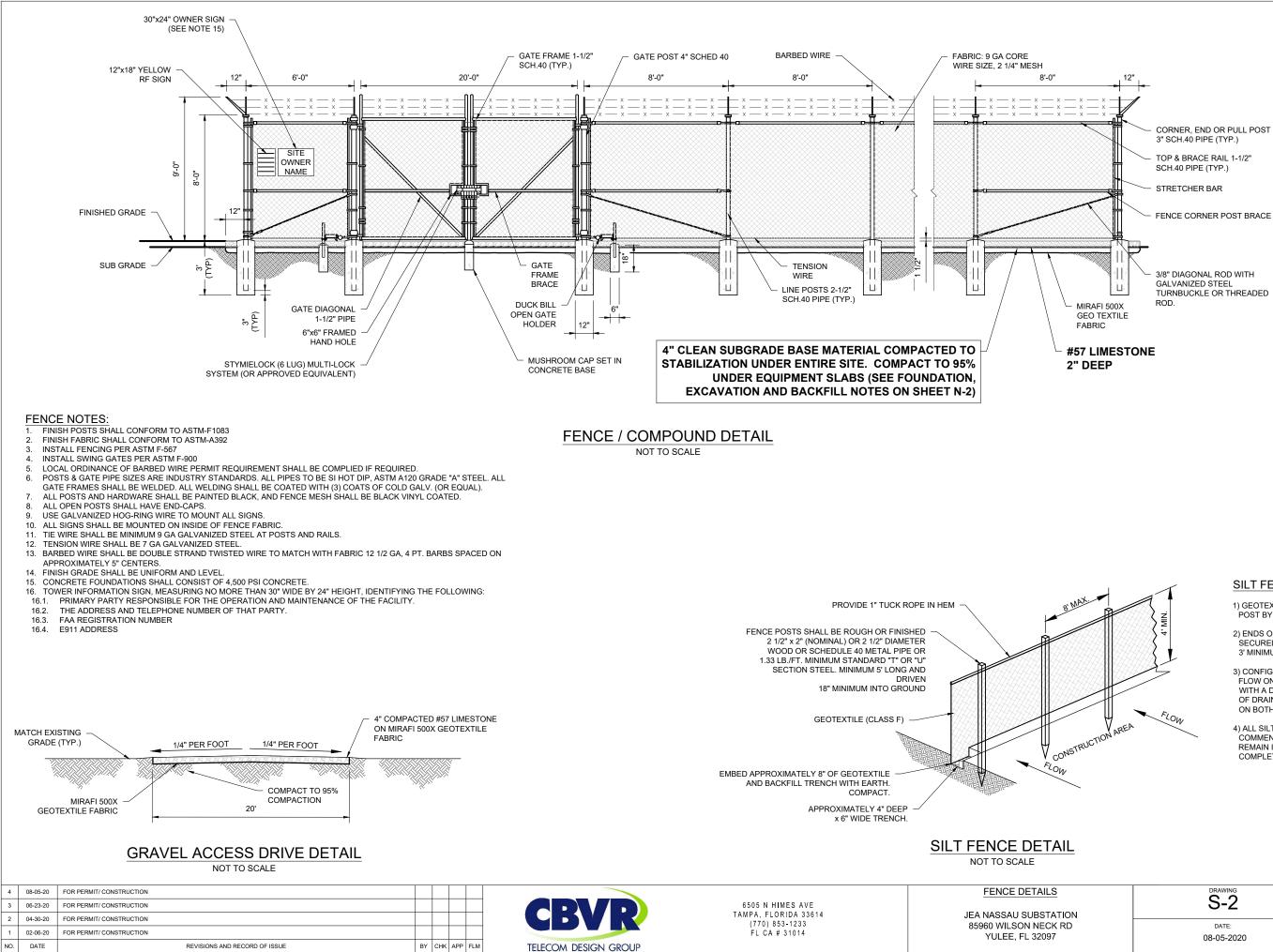
TREE REMOVAL PLAN

JEA NASSAU SUBSTATION 85960 WILSON NECK RD YULEE, FL 32097



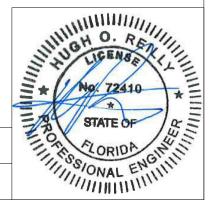






SILT FENCE NOTES:

- 1) GEOTEXTILE FABRIC TO BE FASTENED SECURELY TO FENCE , POST BY WIRE TIES OR HOG RINGS.(3 FASTENERS PER POST.)
- 2) ENDS OF INDIVIDUAL ROLLS OF GEOTEXTILE SHALL BE SECURELY FASTENED TO A COMMON POST OR OVERLAPPED 3' MINIMUM
- 3) CONFIGURATION SHOWN IS INTENDED TO CONTROL SHEET FLOW ONLY. DO NOT USE IN AREAS OF CONCENTRATED FLOW WITH A DRAINAGE AREA OF 1/2 ACRE OR MORE, INLOCATION OF DRAINAGE DITCH, STABILIZE SILT FENCE WITH SAND BAGS ON BOTH SIDES
- 4) ALL SILT FENCING SHALL BE INSTALLED PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITIES, AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETED.

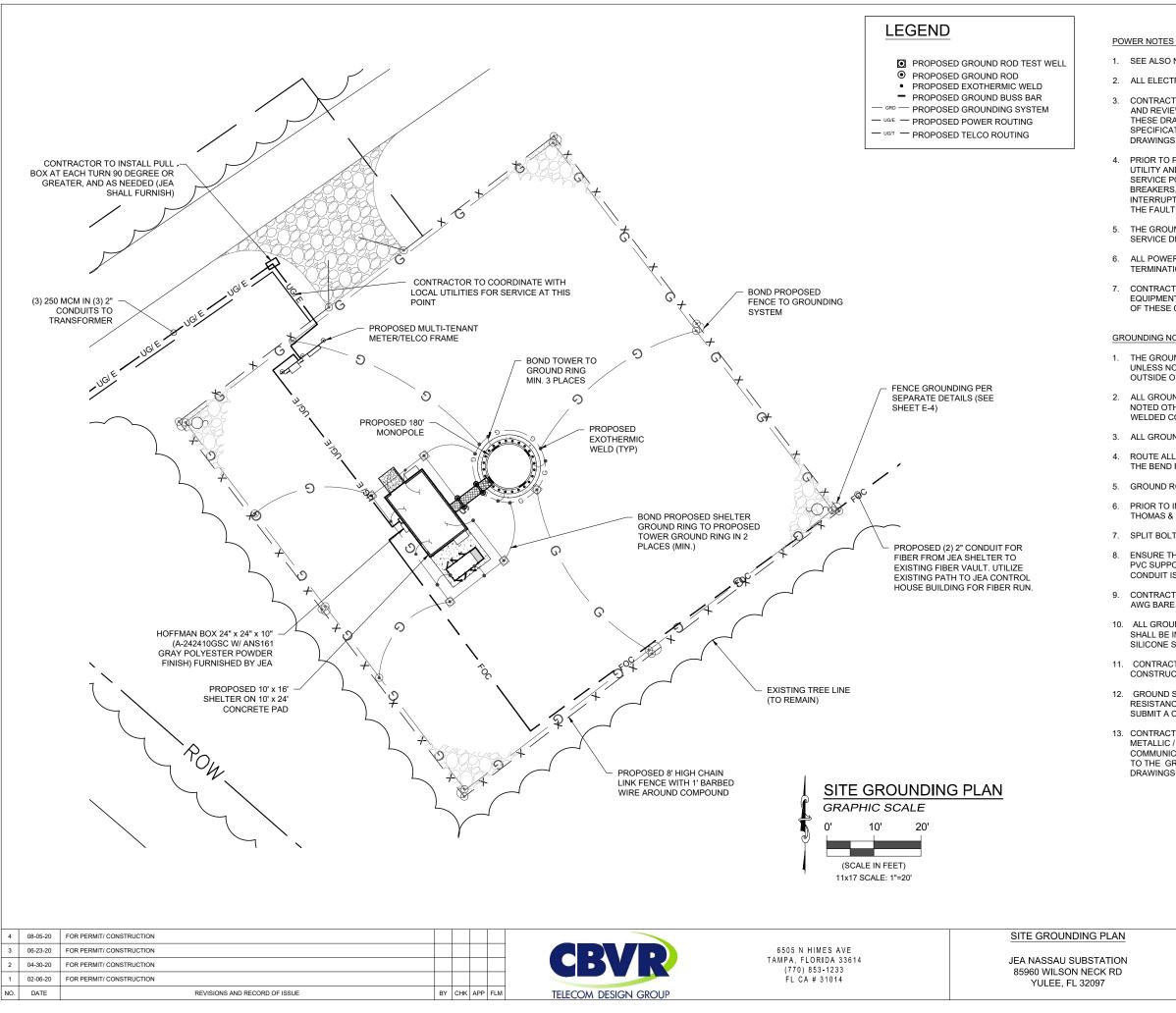


NOTE:

ORIENTATION SHOWN FOR REFERENCE ONLY, SEE SHEET C-2 FOR LOCATION OF GATE.

NOTE:

FENCE GROUNDING SHALL BE IN STRICT ACCORDANCE WITH THE JEA STANDARD FENCE GROUNDING DETAILS AS SHOWN ON SHEET E-4



POWER NOTES AND SPECIFICATIONS:

1. SEE ALSO NOTES ON SHEET E-4.

2. ALL ELECTRICAL WORK SHALL COMPLY WITH NEC, STATE, AND LOCAL CODES.

CONTRACTOR SHALL OBTAIN ANY ADDITIONAL TOWER OWNER DOCUMENTS AND DRAWINGS AND REVIEW FOR ADDITIONAL DETAILS AND REQUIREMENTS THAT MAY NOT BE SHOWN IN THESE DRAWINGS. CONTRACTOR SHALL COMPLY WITH ANY ADDITIONAL TOWER OWNER SPECIFICATIONS AND REQUIREMENTS THAT MAY BE ADDRESSED IN OTHER DOCUMENTS AND DRAWINGS.

PRIOR TO PURCHASING EQUIPMENT, THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY AND OBTAIN IN WRITING THE MAXIMUM AVAILABLE FAULT CURRENT AT THE UTILITY SERVICE POINT. THE CONTRACTOR SHALL ENSURE ALL ELECTRICAL EQUIPMENT, CIRCUIT BREAKERS, DISCONNECTS, FUSES, AND PANELBOARDS HAVE A FAULT CURRENT INTERRUPTING RATING GREATER THAN THE AVAILABLE FAULT CURRENT. IN NO CASE SHALL THE FAULT CURRENT INTERRUPTING RATING BE LESS THAN 22,000 AMPS.

THE GROUNDED SERVICE CONDUCTOR (NEUTRAL CONDUCTOR) SHALL BE GROUNDED AT THE SERVICE DISCONNECT ONLY.

6. ALL POWER CIRCUITS SHALL USE COPPER CONDUCTORS WITH THHN/THWN INSULATION. ALL TERMINATIONS SHALL BE RATED FOR AT LEAST 75 DEGREES C.

7. CONTRACTOR SHALL ENSURE ALL NEUTRAL CONDUCTORS HAVE WHITE INSULATION AND EQUIPMENT GROUND CONDUCTORS HAVE GREEN INSULATION. COLOR TAPE IDENTIFICATION OF THESE CONDUCTORS IS NOT ALLOWED.

GROUNDING NOTES AND SPECIFICATIONS:

THE GROUND RING SHALL CONSIST OF 2 AWG BARE SOLID TINNED COPPER CONDUCTOR, UNLESS NOTED OTHERWISE, BURIED AT 30" BELOW FINISHED GRADE AND WITHIN 3 FEET OUTSIDE OF EQUIPMENT PAD.

2. ALL GROUNDING CONNECTIONS SHALL BE MADE USING AN EXOTHERMIC WELD, UNLESS NOTED OTHERWISE. CLEAN ALL SURFACES PRIOR TO CONNECTION. SPRAY EXOTHERMICALLY WELDED CONNECTIONS WITH ANTI-OXIDATION PAINT.

3. ALL GROUNDING DEVICES SHALL BE UL APPROVED OR LISTED FOR THEIR INTENDED USE.

ROUTE ALL GROUND CONDUCTORS ALONG THE SHORTEST ROUTE AND AVOID SHARP BENDS. THE BEND RADIUS SHALL NOT BE LESS THAN 12".

5. GROUND ROD SPACING MAX 10' AND AS SHOWN.

PRIOR TO INSTALLING LUGS ON GROUND CONDUCTORS OR BOLTING GROUND LUGS, APPLY THOMAS & BETTS KOPR-SHIELD OR EQUIVALENT.

7. SPLIT BOLTS SHALL NOT BE USED.

8. ENSURE THAT NO CONTINUOUS METAL RING SURROUNDS A GROUNDING CONDUCTOR. USE PVC SUPPORT CLAMPS. ENSURE ANY GROUNDING CONDUCTORS RUN THROUGH METAL CONDUIT IS BONDED TO THE CONDUIT AT BOTH ENDS.

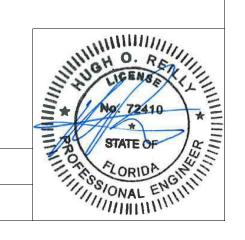
9. CONTRACTOR SHALL BOND THE TOWER TO THE GROUND RING AT MINIMUM 3 POINTS USING 2 AWG BARE SOLID TINNED COPPER CONDUCTORS AND EXOTHERMIC WELDS.

10. ALL GROUNDING/BONDING CONDUCTORS RUN FROM ABOVE GRADE TO THE GROUND RING SHALL BE INSTALLED IN 3/4" PVC CONDUIT FROM 1 FOOT ABOVE GRADE AND SEALED WITH A SILICONE SEALANT.

11. CONTRACTOR SHALL NOTIFY THE TOWER OWNER CONSTRUCTION MANAGERS TO ALLOW THE CONSTRUCTION MANAGERS TO INSPECT THE GROUNDING SYSTEM PRIOR TO BACKFILLING.

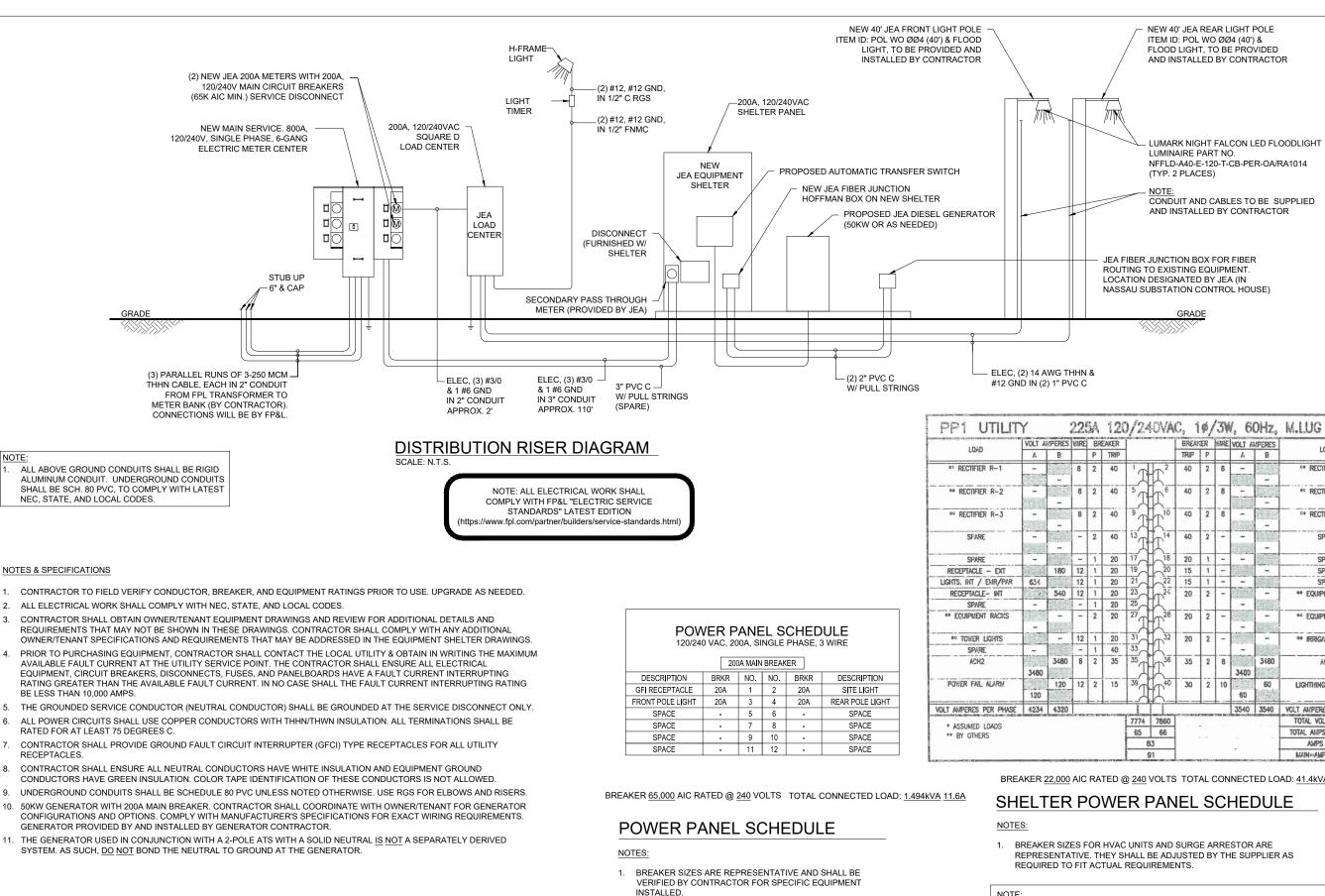
12. GROUND SYSTEMS SHALL BE TESTED AND SHALL HAVE A RESISTANCE OF 5 OHMS OR LESS. IF RESISTANCE VALUE IS EXCEEDED, NOTIFY TOWER OWNER FOR FURTHER INSTRUCTIONS. SUBMIT A COPY OF THE TEST REPORT TO TOWER OWNER AND CARRIER.

13. CONTRACTOR IS RESPONSIBLE TO PROPERLY GROUND ALL ELECTRICAL EQUIPMENT AND METALLIC / NON-METALLIC ITEMS THAT ARE INSTALLED ON THE EXTERIOR OF THE COMMUNICATIONS SHELTER FROM VFP INC. THE INTERIOR HALO RING SHALL BE CONNECTED TO THE GROUND RING IN A MINIMUM OF FOUR PLACES (REFER TO THE VFP INC. SHELTER DRAWINGS FOR ADDITIONAL INFORMATION).



DRAWI	N
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DATE: 08-05-2020



SHELTER POWER PANEL IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL VERIFY PANEL CONFIGURATION WITH SHELTER MANUFACTURER

ELECTRICAL DETAILS

JEA NASSAU SUBSTATION 85960 WILSON NECK RD YULEE, FL 32097

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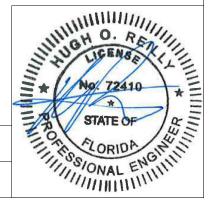
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DRAWING

08-05-2020



BREAKER SIZES FOR HVAC UNITS AND SURGE ARRESTOR ARE REPRESENTATIVE. THEY SHALL BE ADJUSTED BY THE SUPPLIER AS

1	TI		1		-	-	UT FOL
17	18	20	1	-	-		SPARE
19	20	15	1	-	Taxita)	-	SPARE
21	22	15	1	-	-	Rai	SPARE
23	\int_{1}^{24}	20	2	-	-	-	** EQUIPMENT RACK
27	T28	20	2	-	-	-	** Equipment rack
31	T 32	20	2	-		-	** IRRIGATION PUMP
35 T	T.36	35	2	8	3480	3480	ACH1
39 Д	T 40	30	2	10	60	60	LIGHTHING ARRESTOR
-			3		3540	3540	VOLT AMPERES PER PHASE
7774	7860	er selen meda	CRECKER	(0.1) 5	AND AND THE FOLLOW		TOTAL VOLT AMPERES
65	66						TOTAL AMPS PER PHASE
8	13						AMPS x125%
9	91				•		MAIN MAPS X 110%
<u>240</u> \	VOLTS	тот	AL (CON	INECT	ED LO	AD: <u>41.4kVA 154.9A</u>

GRADE

BREAKER WIRE VOLT AMPERES

AB

TRIP

40

40

40 2 8

40

LOAD

** RECIFIER R-4

RECTIFIER R-5

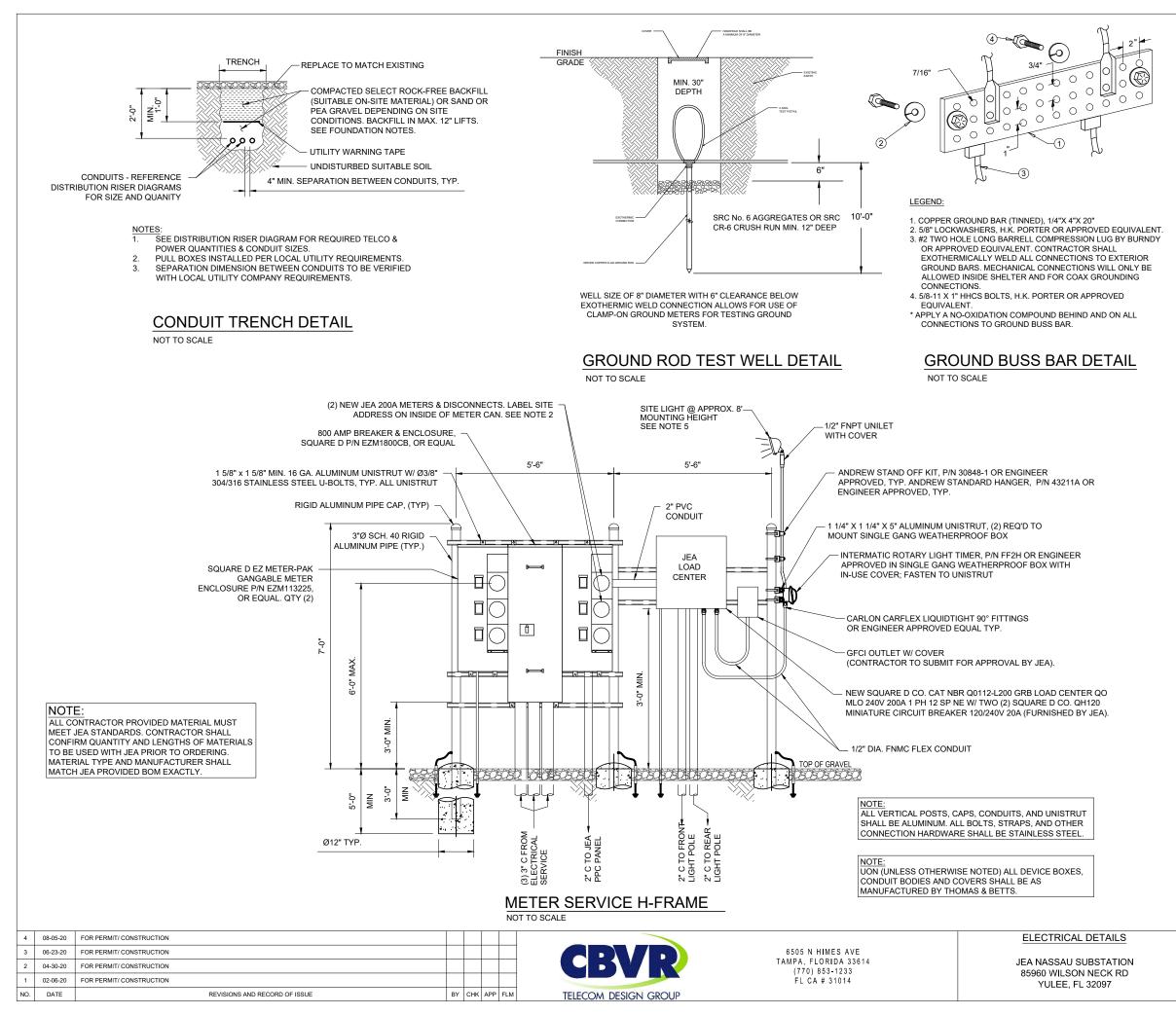
** RECTIFIER R-6

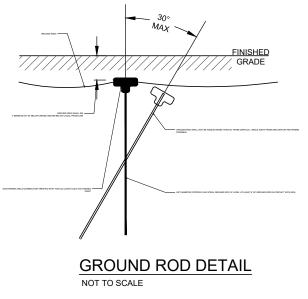
SPARE

LUMINAIRE PART NO NFFLD-A40-E-120-T-CB-PER-OA/RA1014 (TYP. 2 PLACES) NOTE CONDUIT AND CABLES TO BE SUPPLIED AND INSTALLED BY CONTRACTOR

LUMARK NIGHT FALCON LED FLOODLIGHT

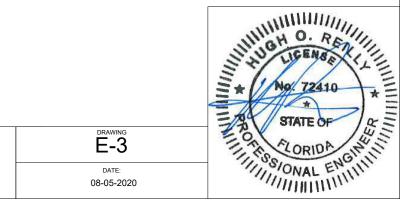
NEW 40' JEA REAR LIGHT POLE ITEM ID: POL WO ØØ4 (40') & FLOOD LIGHT, TO BE PROVIDED AND INSTALLED BY CONTRACTOR

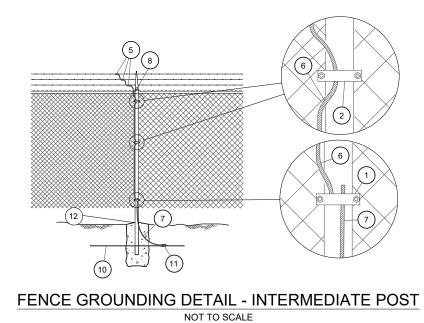


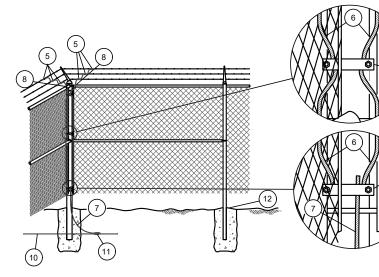


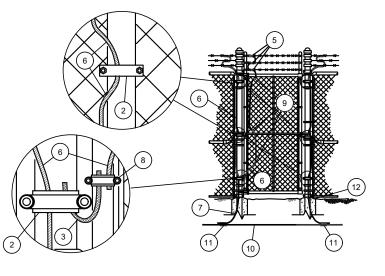
NOTES:

- 800 AMP UTILITY METER AND DISCONNECT SHALL BE SUPPLIED BY JEA, PER LOCAL UTILITY REQUIREMENTS.
- ALL BOXES AND EQUIPMENT SHALL BE WEATHERTIGHT AND 2. RATED FOR EXTERIOR EXPOSURE.
- ALL UNISTRUT SHALL BE 304/316 STAINLESS STEEL.
- 4 ALL EXPOSED CONDUITS SHALL BE SCHEDULE 40 PVC OR M-FLEX, UNLESS OTHERWISE NOTED.
- PROVIDE PULL STRINGS IN ALL CONDUITS. SITE LIGHT FIXTURE SHALL BE NEW LUMARK (COOPER LIGHTING) WALL PACK STOCK NO. XTOR2A W/ A FLOODLIGHT KIT STOCK NO. XTORFLD-KNC, OR ENGINEER APPROVED EQUIVALENT (FURNISHED BY JEA). ADJUST LIGHT DOWN TILT TO ILLUMINATE EQUIPMENT AREA ONLY. (BY CONTRACTOR.)
- UNLESS OTHERWISE NOTED ALL MATERIAL ON THIS SHEET
- SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. NOTE THAT ALL H-FRAME MOUNTING HARDWARE AND SCREWS 8 SHALL BE STAINLESS STEEL



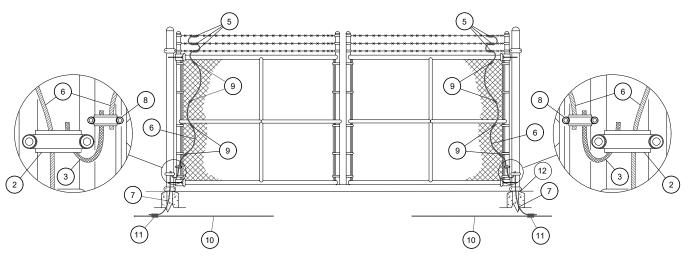






FENCE GROUNDING DETAIL - CORNER POST NOT TO SCALE

ITEM	DESCRIPTION	MODEL NO.
1	GROUND CONNECTOR, BRONZE BOLTED, TWO (2) CABLES TO 2 1/2" PIPE. CONDUCTOR RANGE SHALL BE FOR 2/0 SOLID - 250 KCM CU	SEFCOR GU1-5812 -OR- BURNDY NO. GD1929
2	GROUND CONNECTOR, BRONZE BOLTED, TWO (2) CABLES TO 2 1/2" PIPE. CONDUCTOR RANGE SHALL BE FOR #4 SOLID - 2/0 STRANDED	SEFCOR GU1-5809 -OR- BURNDY NO. GD1926
3	FLEXIBLE COPPER BRAID, FURNISHED BY CONTRACTOR	BURNDY NO. BD12
4	GROUND CONNECTOR, BRONZE BOLTED, TWO (2) CABLES TO 3" PIPE. CONDUCTOR RANGE SHALL BE FOR #4 SOLID - 2/0 STRANDED	SEFCOR GU1-6009 -OR- BURNDY NO. GD2026
5	GROUND CONNECTOR, BRONZE, SERVIT POST TYPE FOR TWO (2) #10-#2 SOLID AWG CONDUCTORS	SEFCOR BN-N-3SP -OR- BURNDY NO. K2C22
6	#2 TINNED SOLID COPPER CONDUCTOR, FURNISHED BY THE CONTRACTOR	
7	7#5 COPPERWELD CONDUCTOR, FURNISHED BY THE CONTRACTOR.	
8	GROUND CONNECTOR, BRONZE BOLTED, FOR ONE CONDUCTOR TO 1 1/4" O.D. PIPE, TOP RAIL, CONDUCTOR RANGE SHALL BE #4 SOL. TO 2/0 STR	
9	SPLIT BOLT CONNECTOR	BURNDY NO. KS22, SERVIT
10	19#8 COPPERWELD CONDUCTOR, STATION GRID 18" BELOW GRADE FURNISHED BY CONTRACTOR (CONTRACTOR TO PURCHASE FROM JEA).	
11	WELDED GROUND CONNECTION, 19#8 CABLE MAIN TO 7#5 CABLE TAP, CADWELD PLUS MOLD TYPE TAC3D2V AND (1) #200 WELD METAL AS REQUIRED (CONTRACTOR TO PURCHASE FROM JEA).	
12	MOUND CONCRETE AT BASE OF FENCE POLE IN ORDER TO PREVENT POOLING OF WATER AT BASE.	



FENCE GROUNDING DETAIL - DOUBLE GATE

NOT TO SCALE

NOTES

GROUND INSTALLATION SHALL BE PROVIDED AT INTERMEDIATE POSTS, SPACED NO MORE THAN FORTY (40') FEET APART. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ABOVE GRADE GROUND CONNECTORS AND GROUND CONDUCTOR.

2. GROUND INSTALLATION SHALL BE PROVIDED AT ALL CORNER POSTS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ABOVE GRADE GROUND CONNECTORS AND GROUND CONDUCTOR.

3. THE CONTRACTOR SHALL PROVIDE AT LEAST THREE (3) BOND POINTS TO THE FENCE POST.

- 4. THE CONTRACTOR SHALL FURNISH AND INSTALL A CONTINUOUS #2 SOLID COPPER CONDUCTOR THROUGH THE BOND POINTS. THE CONDUCTOR SHALL BE WOVEN INTO THE FENCE FABRIC AND POSITIVELY BONDED TO EACH STRAND OF BARBED WIRE.
- 5. THE CONTRACTOR SHALL REMOVE ANY THREAD PROJECTION IN EXCESS OF ,1/4" BEYOND THE NUT.

6. CONTRACTOR TO FURNISH AND INSTALL THE ABOVE GROUNDING MATERIALS FOR THE SUBSTATION ENTRANCE GATE.

BY CHK APP FLM



6505 N HIMES AVE TAMPA, FLORIDA 33614 (770) 853-1233 FL CA # 31014 FENCE GROUNDING DETAILS

JEA NASSAU SUBSTATION 85960 WILSON NECK RD YULEE, FL 32097

•	00 20 20	
2	04-30-20	FOR PERMIT/ CONSTRUCTION
1	02-06-20	FOR PERMIT/ CONSTRUCTION
NO.	DATE	REVISIONS AND RECORD OF ISSUE

4 08-05-20 FOR PERMIT/ CONSTRUCTION

3 06-23-20 FOR PERMIT/ CONSTRUCTION

FENCE GROUNDING DETAIL - SINGLE GATE NOT TO SCALE

