



MI90XSM43-H

**1220 LINCOLN RD
MIAMI BEACH, FL 33139**

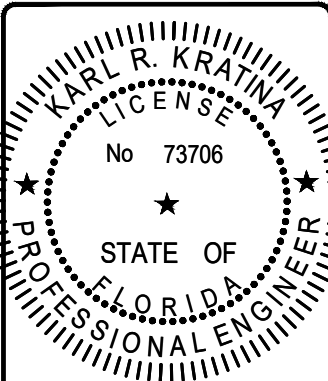
**FOR ZONING REVIEW
FINAL SUBMITTAL**

Sprint
6391 Sprint Parkway
Overland Park, KS 66211

JACOBS
Jacobs Engineering Group, Inc.
5449 Bells Ferry Road
Acworth, Georgia 30102
770-701-2500 Fax 770-701-2501
Karl R. Kratina, P.E. 73706

PROJECT NO:	EUSP0101
DRAWN BY:	N. KINCAID
CHECKED BY:	W. WEST

B	11.07.19	UPDATED PER CITY COMMENTS
A	10.21.19	FOR REVIEW



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KARL R. KRATINA ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
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MI90XSM43-H
1220 LINCOLN RD
MIAMI BEACH, FL 33139

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

SITE INFORMATION	
SITE NUMBER:	MI90XSM43-H
LATITUDE:	25.790328
LONGITUDE:	-80.141751
ADDRESS:	1220 LINCOLN RD
CITY, STATE, ZIP:	MIAMI BEACH, FL 33139
JURISDICTION:	MIAMI BEACH
PROPERTY OWNER:	PUBLIC RIGHT-OF-WAY
APPLICANT:	SPRINT 6391 SPRINT PARKWAY OVERLAND PARK, KS 66211

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OF EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

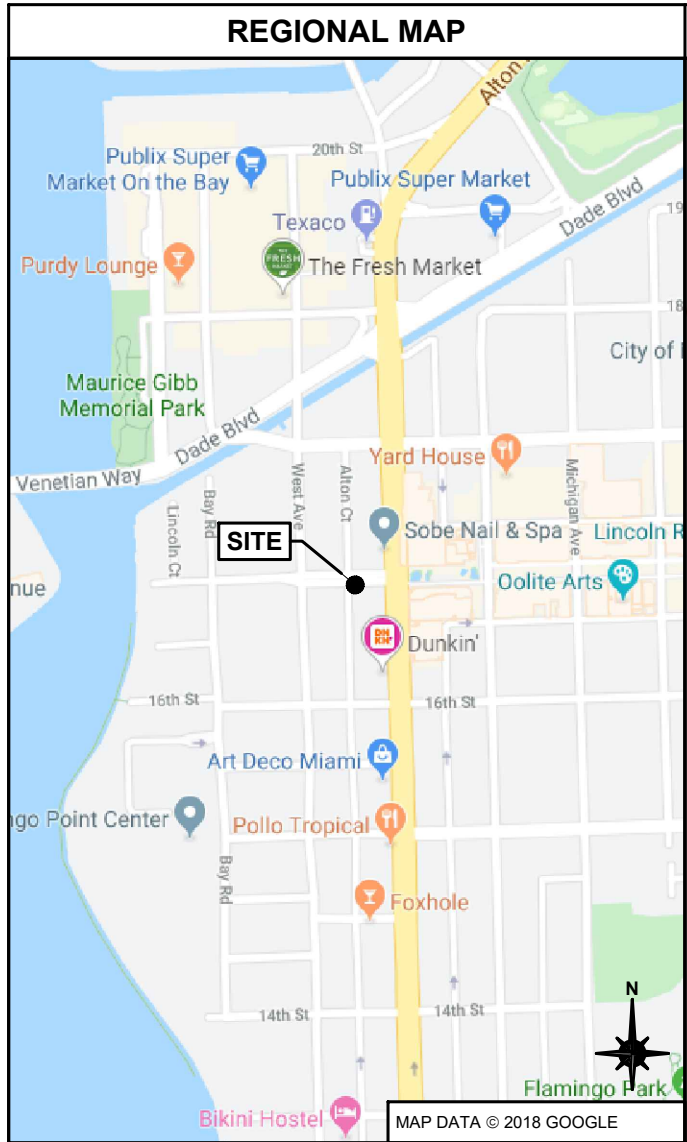
PRIOR TO ANY CONSTRUCTION WORK, CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES. ALL UTILITIES SHALL BE MARKED.

THIS DESIGN IS SUBJECT TO ANY JURISDICTIONAL AND OWNER APPROVALS INCLUDING JURISDICTIONAL REQUIREMENTS, RF EQUIPMENT CONFIGURATION, AND FINAL UTILITY COORDINATION WITH PUBLIC POWER AND UTILITY PROVIDERS/ CONTRACTOR TO CONFIRM FINAL REQUIREMENTS WITH OWNER.

Sunshine811
Always call 811 before you dig.
11 Plantation Road DeBary, FL 32713
(800) 638-4097
sunshine811.com

CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL 811 TO DESIGNATE EXISTING UTILITIES BEFORE BEGINNING WORK.

ENGINEER	
JACOBS ENGINEERING GROUP, INC. 5449 BELLS FERRY ROAD ACWORTH, GA 30102 FIRM #: 2822	PROJECT MANAGER CONTACT: KARL KRATINA TEL: (678) 460-1416 PROJECT: EUSP0101



PROJECT DESCRIPTION

END USER PROPOSES TO REPLACE EXISTING STEEL POLE AND INSTALL EQUIPMENT ON A NEW STEEL POLE WITHIN AN EXISTING RIGHT-OF-WAY. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- REMOVE EXISTING STEEL LIGHT POLE
- INSTALL A NEW STEEL LIGHT POLE WITH PROPOSED COMMUNICATION EQUIPMENT
- DIRECTIONAL BORE AND TRENCHING FOR INSTALLATION OF POWER CONDUITS

CODES

- FLORIDA BUILDING CODE 2017 (6TH EDITION)
- WIND DESIGN CRITERIA
 - A. REQUIREMENTS OF FPL
 - B. AISC-14TH EDITION
- NESC C2-2017
- FLORIDA FIRE PREVENTION CODE - 2017 EDITION
- NATIONAL ELECTRIC CODE (NFPA 70E-2018)
- CITY AND OR COUNTY ORDINANCES

DRAWING INDEX

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES
GN-3	GENERAL NOTES
C-1	SITE PLAN
C-1A	UTILITY PLAN
C-2	EXCAVATION PLAN
SE-1	LAND SURVEY (BY OTHERS)
SE-2	LAND SURVEY (BY OTHERS)
PS-1	PHOTO SIM
PS-2	PHOTO SIM
S-1	POLE ELEVATIONS
S-2	POLE ELEVATIONS
S-3	POLE EMBEDMENT DETAILS
EQ-1	EQUIPMENT DETAILS
EQ-2	EQUIPMENT DETAILS
E-1	ELECTRICAL DETAILS
G-1	GROUNDING DETAILS
MOT-1	GROUNDING DETAILS

GENERAL PROVISIONS

CONTRACT OVERVIEW

1. THE INTENTION OF THE DOCUMENTS IS TO SHOW THE COMPLETE INSTALLATION AND TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY, WHETHER OR NOT SPECIFICALLY INDICATED, FOR THE PROPER COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT. THE INTENT OF THIS DOCUMENT IS NOT TO DESIGNATE THE MEANS AND METHODS OF PROCEDURE OF THE WORK. THE CONTRACTOR SHALL SUPERVISE AND COORDINATE ALL WORK, USING THEIR PROFESSIONAL KNOWLEDGE AND SKILLS. THEY ARE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, SEQUENCING, AND COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADDITION OF THE FOLLOWING CODES, STANDARDS, AND SUPPLEMENTS:

- FBC - FLORIDA BUILDING CODE 2017
- AISC - AMERICAN INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
- NEC - NATIONAL ELECTRICAL CODE
- NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
- UL - UNDERWRITERS LABORATORIES
- IMC - INTERNATIONAL MECHANICAL CODE
- NFPA - NATIONAL FIRE PROTECTION ASSOCIATION
- OSHA - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
- ANSII/ISA - TELECOMMUNICATIONS INDUSTRY ASSOCIATION - 222-G STANDARD
- ALL GOVERNING STATE, COUNTY, AND LOCAL CODES AND ORDINANCES. THE MOST STRINGENT

CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.

3. THE ENGINEERING DRAWINGS SHOW PRINCIPLE AREAS, WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOT SHOWN ON THE ENGINEERING DRAWINGS, DUE TO CHANGES AFFECTING COSTING, ELECTRICAL, OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS ALSO A PART OF THIS CONTRACT. INSPECT THOSE AREAS TO ASCERTAIN WHAT IS NEEDED TO DO THAT WORK IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS, AT NO ADDITIONAL COST TO THE OWNER.

4. DO NOT SCALE DRAWINGS. ALL DIMENSIONS TAKE PRECEDENT OVER SCALING.

5. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED AS PART OF THE WORK, HOWEVER, NO CHANGE THAT ALTERS THE CHARACTER INTENT OF THE DESIGN WILL BE MADE OR PERMITTED BY THE OWNER WITHOUT A CHANGE ORDER.

6. GENERAL CIVIL, STRUCTURAL, ELECTRICAL, AND ANTENNA DRAWINGS ARE INTERRELATED. IN PERFORMANCE OF THE WORK, EACH CONTRACTOR MUST REFER TO ALL DRAWINGS. ALL COORDINATION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

7. THE GENERAL NOTES, CONTAINED HEREIN, ARE PART OF THE PLANS AND SPECIFICATIONS AND ARE TO BE COMPLIED WITH IN ALL RESPECTS. THE MOST RESTRICTIVE NOTES SPECIFIED ARE TO TAKE PRECEDENCE. CERTAIN SECTIONS OF THE GENERAL NOTES MAY NOT APPLY TO EVERY SITE. THE CONTRACTOR IS TO COMPLY WITH ALL APPLICABLE GENERAL NOTES IN ALL RESPECTS.

8. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENT TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN, OTHERWISE.

9. REPRESENTATION OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF THE SURVEY DRAWING, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF THE SURVEY DRAWING AND MY SURVEYOR'S MARKING AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH AND SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK, IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND TRUE NORTH ORIENTATION, AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ENGINEER.

10. THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.

11. THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL BE MADE TO APPLY, CONTINUOUSLY, AND NOT BE UNITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD THE DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS, SUCH AS OSHA COMPLIANCE, DURING THE PROGRESS OF THE WORK. THE ENGINEER WILL NOT ADVISE NOR PROVIDE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.

13. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY OF THE SECURITY OF THE SITE UNTIL COMPLETION OF CONSTRUCTION.

14. IT IS THE CONTRACTORS RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS TO ENSURE THAT WORK PROGRESSION IS NOT INTERRUPTED.

15. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT TO AVOID DELAYS IN THE CONTRACT SCHEDULE OR OTHER WORK PERFORMED IN THE VICINITY OF THE CONSTRUCTION AREA.

16. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE TO THE PROPERTY OWNER, WELL IN ADVANCE OF THE STARTING DATE OF THE WORK. THE OWNER SHALL ALSO BE NOTIFIED OF A CHANGE IN THE CONSTRUCTION SCHEDULE.

17. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.

18. EACH CONTRACTOR IS RESPONSIBLE FOR PULING THE BUILDING PERMIT AT THE LOCAL JURISDICTION, AS THE CONTRACTOR OF RECORD, AND SHALL PROVIDE THE JURISDICTION WITH ALL THE PROOF REQUIRED TO OPERATE AS THE CONTRACTOR IN THE JURISDICTION. THE CONTRACTOR

SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATIONS, ETC, PRIOR TO BEGINNING THE WORK.

19. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AMPLE NOTICE TO THE BUILDING INSPECTION DEPARTMENT TO SCHEDULE THE REQUIRED INSPECTIONS. A MINIMUM OF 48 HOURS NOTICE SHOULD BE GIVEN TO AUTHORITIES. AN EXTENSION IN THE CONTRACT SCHEDULE WILL NOT BE GRANTED DUE TO DELAY CAUSED BY INSPECTIONS.

20. EACH CONTRACTOR IS RESPONSIBLE FOR APPLICATION AND PAYMENT OF CONTRACTOR LICENSES, BONDS, AND INSURANCES. DOCUMENTATION SHALL BE PROVIDED TO THE OWNER PRIOR TO THE WORK.

21. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW, SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR THE PURPOSE OF DOCUMENTING ALL AS-BUILTS, CHANGES, REVISIONS, ADDENDA, OR CHANGE ORDERS.

22. THE CONTRACTOR IS TO PROVIDE THE OWNER WITH A FULL SET OF RECORD DRAWINGS WITH ACTUAL DIMENSION, ROUTING, AND CIRCUITS UPON COMPLETION OF CONSTRUCTION.

23. THE CONTRACTOR IS TO CONTACT BOTH LOCAL POWER AND TELEPHONE UTILITY COMPANIES BEFORE CONSTRUCTION BEGINS TO ORDER SERVICE, OBTAIN AND PAY ALL FEES ASSOCIATED WITH CONSTRUCTION, SCHEDULE INSTALLATION OF SERVICE, COORDINATE CONDUIT RUN/TERMINATION POINT AND OBTAIN ANY FIELD MATERIALS THAT MAY BE SUPPLIED BY THE UTILITY COMPANIES AND INSTALLED BY THE CONTRACTORS.

24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FORM WORK, AND THE PROTECTION OF ALL WORK DURING CONSTRUCTION TO AVOID DAMAGE, COLLAPSE, DISTORTION, MISALIGNMENT, AND ALTERATION OF ROOFING WARRANTIES.

25. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES, AS REQUIRED BY THE PROPERTY OWNER OR GOVERNING AGENCY.

26. THE CONTRACTOR SHALL MONITOR ALL EXISTING STRUCTURES DURING CONSTRUCTION.

27. THE CONTRACTOR SHALL COORDINATE THE FINAL DIMENSIONS OF ANY LAYOUT WITH THE NEW EQUIPMENT BEFORE ORDERING ANY MATERIALS.

28. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AN IN SAFE CONDITION PRIOR TO INSTALLATIONS AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT.

29. ALL MATERIALS MUST BE STORED ON A LEVEL AND DRY LOCATION, IN A MANNER THAT WILL NOT OBSTRUCT THE FLOW OF OTHER WORK RELATED, OR NOT, TO THIS CONTRACT. ANY EQUIPMENT OR MATERIAL STORAGE MUST MEET ALL RECOMMENDATIONS OF THE MANUFACTURER. THE CONTRACTOR SHALL INSPECT, THOROUGHLY, ALL MATERIALS AND EQUIPMENT PRIOR TO ANY INSTALLATION. DAMAGED EQUIPMENT, OR MATERIALS, SHALL NOT BE INSTALLED PERMANENTLY.

30. ALL MATERIALS SHALL BE INSTALLED PER MANUFACTURERS' INSTRUCTIONS.

31. EXCEPT FOR WARNING SIGNS, SUCH AS "NO TRESPASSING" AND SIGNS THAT STATE OWNERSHIP AND EMERGENCY TELEPHONE NUMBERS, NO SIGN SHALL BE LOCATED ON THE POLE.

32. ALL EQUIPMENT SHALL BE INSTALLED LEVEL AND PLUMB.

EXISTING CONDITIONS AND STRUCTURES

1. BEFORE BEGINNING WORK AT THE SITE, THE CONTRACTOR SHALL INSPECT THE EXISTING CONDITION TO DETERMINE THE THE EXTENT OF EXISTING FINISHES, SPECIALTIES, EQUIPMENT, AND OTHER ITEMS THAT MUST BE REMOVED AND REINSTALLED IN ORDER TO PERFORM THE WORK UNDER THIS CONTRACT. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS, AND ELEVATIONS BEFORE STARTING WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE CONSTRUCTION DRAWINGS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMAN LIKE MANNER, IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.

2. BY SUBMITTING A BID FOR THIS WORK, THE CONTRACTOR ACKNOWLEDGES THAT THEY HAVE THOROUGHLY REVIEWED AND UNDERSTANDS THE CONSTRUCTION DOCUMENTS, VISITED THE SITE, AND IS FAMILIAR WITH THE CONDITIONS THAT EXIST AT THE SITE.

3. THE CONTRACTOR, IF AWARDED THE CONTRACT, WILL NOT BE ALLOWED ANY EXTRA COMPENSATION, BY REASON OF ANY MATTER OR THING THAT THE CONTRACTOR MIGHT NOT HAVE FULLY INFORMED HIMSELF, PRIOR TO BIDDING.

4. NO PLEA OF IGNORANCE OF EXISTING CONDITIONS, DIFFICULTIES THAT MAY BE ENCOUNTERED, OR ANY OTHER RELEVANT MATTER CONCERNING THE WORK TO BE PERFORMED WILL BE ACCEPTED AS A REASON FOR ANY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FULFILL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

5. IT IS UNDERSTOOD BY THE OWNER, THAT THE CONTRACTOR WARRANTS BY SUBMITTING HIS BID, THEY HAVE CAREFULLY EXAMINED THE PROJECT SITE, SURROUNDING PROPERTIES, MEANS OF APPROACH TO THE SITE, CONDITIONS OF THE ACTUAL JOB SITE, FACILITIES FOR DELIVERING, STORING, PLACING, HANDLING, REMOVING MATERIALS AND EQUIPMENT, AND ANY AND ALL DIFFICULTIES THAT MAY BE ENCOUNTERED DURING THE EXECUTION OF ALL WORK, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

6. THE LOCATION OF EXISTING UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR HAVING ALL UNDERGROUND UTILITIES LOCATED WITHIN THE UNITS OF CONSTRUCTION AND ACCEPTS FULL RESPONSIBILITY FOR ANY AND ALL DAMAGES THAT MIGHT BE CAUSED BY FAILURE OF THE CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES BEFORE COMMENCING WORK.

7. SHOULD ANY ERROR OR INCONSISTENCY APPEAR IN THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR, BEFORE PROCEEDING WITH WORK MUST MAKE MENTION OF THE SAME TO THE ENGINEER AND OWNER FOR PROPER ADJUSTMENT AND IN NO CASE PROCEED WITH WORK IN

UNCERTAINTY, OR WITH INSUFFICIENT DRAWINGS.

8. THE CONTRACTOR, AND EACH SUBCONTRACTOR, SHALL BE RESPONSIBLE FOR VERIFICATION OD ALL MEASUREMENTS AT THE SITE BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK. NO EXTRA CHARGE OR CONSIDERATION SHALL BE ALLOWED DUE TO DIFFERENCES BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY IN DIMENSIONS, WHICH MAY BE FOUND, SHALL BE SUBMITTED TO THE ENGINEER AND THE OWNER REPRESENTATIVE FOR CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREAS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE OWNER, OR OWNER REPRESENTATIVE.

9. TRADE, PRODUCT, OR MANUFACTURER NAMES, OR CATALOG NUMBERS AND INDICATIONS OF EXISTING PRODUCT TYPES SHOWN ON THE DRAWINGS ARE BELIEVED TO BE ACCURATE. IF THEY ARE DISCOVERED TO BE INACCURATE, NOTIFY ENGINEERS IMMEDIATELY, AND DO NOT PROCEED WITHOUT INSTRUCTIONS.

10. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGES THAT MAY OCCUR DURING CONSTRUCTION. ANY DAMAGES TO NEW OR EXISTING SURFACES, STRUCTURES, OR EQUIPMENT SHALL BE REPAIRED IMMEDIATELY, OR REPLACED, TO THE SATISFACTION OF THE PROPERTY OWNER. THE CONTRACTOR SHALL BEAR THE COST OF REPAIRING, OR REPLACING, ANY DAMAGED AREAS.

11. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES AND EFFORTS TO PROTECT THE STRUCTURAL INTEGRITY OF EXISTING STRUCTURES. WHEN WORK IS PERFORMED IN THE VICINITY OF OTHER EXISTING STRUCTURES, THE STRUCTURAL INTEGRITY AND STABILITY SHALL BE MONITORED AT ALL TIMES, DURING EACH PHASE OF CONSTRUCTION.

12. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION.

13. NEW CONSTRUCTION WORK NEXT TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR INEPT AS NOTED IN THE PLANS.

14. WHERE INDICATED ON THE PLANS, THE CONTRACTOR SHALL PAINT ALL NEW ANTENNAS SHROUDS AND RELATED MOUNTING HARDWARE TO MATCH THE EXISTING ADJACENT SURFACES, THE CONTRACTOR SHALL NOT USE A METAL BASED PAINT FOR ANTENNAS. ALL SURFACE CONTAMINATION SHALL BE REMOVED PRIOR M PAINTING NEW SURFACES.

15. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE-GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED, IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN; AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. BEFORE YOU DIG, DRILL OR BLAST, CALL THE UNDERGROUND SERVICES ALERT NUMBER AT THE REQUIRED TIME

16. ALL SEWER, WATER GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK SHALL BE PROTECTED AT ALL TIMES, WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. THE CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW.

17. IF AN INACTIVE ELECTRICAL, TELEPHONE, SEWER, WATER OR ANY OTHER UTILITY ARE ENCOUNTERED AND INTERFERE WITH THE EXECUTION OF THE WORK, IF DIRECTED BY THE OWNER THE CONTRACTOR IS TO REMOVE THE UTILITY AND CAP, PLUG OR OTHERWISE TERMINATE THE UTILITY AT A POINT WHERE IT NO LONGER CONFLICT WITH THE WORK. THE UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE UTILITY COMPANIES RECOMMENDATIONS AND PER LOCAL AUTHORITY HAVING JURISDICTION.

18. ALL WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER OR OWNER'S REPRESENTATIVE AND THE UTILITY OWNER BEFORE EACH AND EVERY CONNECTION TO EXISTING SYSTEMS IS MADE.

19. MAINTAIN FLOW FOR ALL EXISTING UTILITIES.

20. THE CONTRACTOR SHALL RESTORE ALL PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD OF CONDITION AS BEFORE DISTURBED AS DETERMINED BY THE OWNER OR OWNER'S REPRESENTATIVE.



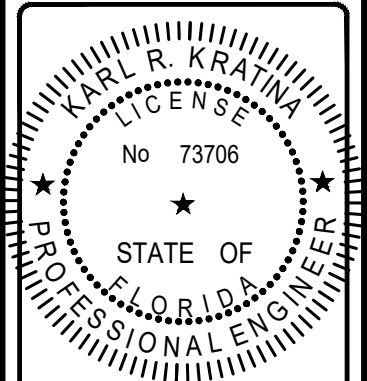
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Karl R. Kratina, P.E. 73706

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GENERAL PROVISIONS CONT'D

24. IN THE EVENT OF DAMAGE TO AN EXISTING STRUCTURE, THE CONTRACTOR SHALL NOTIFY THE OWNER OR ITS REPRESENTATIVE IMMEDIATELY, AND THEN PROMPTLY MAKE ALL REPLACEMENTS AND REPAIRS TO THE SATISFACTION OF THE OWNER. THE OWNER MAY ELECT TO USE A THIRD PARTY CONTRACTOR TO PERFORM THE REPAIRS. ALL EXPENSES ASSOCIATED WITH THE REPAIRS AND REPLACEMENTS SHALL BE PAID BY THE GENERAL CONTRACTOR SELECTED FOR THIS CONTRACT.

25. ADDITIONAL TIME REQUIRED TO SECURE REPLACEMENT AND MAKE REPAIRS WILL NOT BE CONSIDERED BY THE OWNER TO JUSTIFY AN EXTENSION IN THE CONTRACT TIME FOR COMPLETION.

ACCESS

1. USE MOST DIRECT ROUTE FROM PUBLIC STREET AS AGREED TO BY COMPOUND OR BUILDING OWNER.

2. IF REQUIRED COORDINATE WITH SITE OWNER CONSTRUCTION SCHEDULE & SITE ACCESS. ENSURE THAT THE OWNER OF PARENT PARCEL IS NOTIFIED IN WRITING OF CONSTRUCTION ACTIVITIES.

3. A LIST OF WORKERS INVOLVED IN THIS PROJECT SHALL BE PROVIDED TO THE PROPERTY OWNER OR ITS REPRESENTATIVE IF REQUIRED.

4. THE CONTRACTOR SHALL COORDINATE ALL SPECIAL CONSIDERATIONS OF CONSTRUCTION SUCH AS NOSY OPERATION, INTERRUPTION OF ANY MECHANICAL AND/OR ELECTRICAL SERVICES, MATERIAL DELIVERIES AND STORAGE, STAGING AREA, CRANE LIFTS WITH THE OWNER PRIOR TO THE START OF THE WORK.

5. CONTRACTOR SHALL COORDINATE WITH AN OWNER REPRESENTATIVE, THE TEMPORARY REMOVAL OF FENCE, LANDSCAPING & ANY EXPECTED DAMAGE TO ACCESS ROAD OR ADJACENT REPAIR OF PROPERTY PRIOR TO COMMENCING THE WORK.

6. THE CONTRACTOR SHALL COORDINATE WORK HOURS & STAGING AREAS WITH OWNER.

7. CONTRACTOR TO NOTIFY PROPERTY OWNER OF CONSTRUCTION START DATE WELL IN ADVANCE OF CONSTRUCTION.

SITE MAINTENANCE

1. REMOVE STAINING OR REACTIVE MATERIALS FROM NEW AND DIETING SURFACES IMMEDIATELY. REMOVE HAZARDOUS ACCUMULATIONS OF DEBRIS PROMPTLY, AT LEAST DAILY. CONFINE DUST PRODUCING OPERATIONS DURING CUTTING, DRILLING, PAINTING AND FINISHING. THERE SHOULD BE NO OVER SPRAYING PAINT IN PARKING AREA.

2. THERE SHALL NOT BE ANY CREATION OF NOISE OUTSIDE THE NORMAL HOURS OF 7 AM TO 6 PM, UNLESS OTHERWISE AGREED UPON WITH THE OWNER. NOISE SHOULD BE KEPT TO A MINIMUM THROUGHOUT CONSTRUCTION.

3. NOISE AND EXISTING BUILDING STRUCTURE VIBRATION GENERATED BY CONSTRUCTION PROCEDURES, EQUIPMENT, TOOL AND OPERATIONS ARE TO BE KEPT TO A PRACTICABLE MINIMUM. WHERE USE OF HIGH NOISE LEVEL EQUIPMENT IS UNAVOIDABLE, AND CAN BE HEARD, CONFINE TO HOURS BEFORE 7 AM. AND AFTER 6 P.M. MONDAY THROUGH FRIDAY OR AS AGREED TO BY BUILDING OWNER.

4. THE CONTRACTOR IS TO PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A OR 2 ABC WITHIN 75FT OF TRAVEL TO ALL PORTIONS OF THE CONSTRUCTION AREA

5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A NEAT AND ORDERLY SITE, YARD AND GROUNDS, REMOVE AND DISPOSE LEGALLY OFF SITE ALL RUBBISH, WASTE MATERIALS, UTTER, AND ALL FOREIGN SUBSTANCES. REMOVE PETROCHEMICAL SPILLS, STAINS AND OTHER FOREIGN DEPOSITS. RAKE GROUNDS TO A SMOOTH EVEN-TEXTURED SURFACE.

6. AT PROJECT COMPLETION, REMOVE TEMPORARY SERVICES, CONSTRUCTION EQUIPMENT, TOOLS AND FACILITIES, MOCKUPS, TEMPORARY STRUCTURES, SURPLUS MATERIALS, DEBRIS, AND TRASH FROM BUILDING OWNERS PROPERTY. PUT SITE IN NEAT, ORDERLY CONDITION, READY FOR USE LEAVE ROOF AREAS, PIPE SPACES AND OTHER SPACES CLEAN AND FREE FROM DEBRIS ON A DAILY BASIS.

7. THE SITE AND/OR BUILDING SECURITY SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION IN ORDER TO PREVENT UNAUTHORIZED PERSONS FROM ENTERING THE PREMISES. EXISTING AND NEW EQUIPMENT AND MATERIALS REMAIN THE CONTRACTOR'S RESPONSIBILITY AT ALL TIME DURING CONSTRUCTION.

8. THE CONTRACTOR SHALL TAKE ALL MEASURE NECESSARY TO MAINTAIN POLLUTION CONTROL COMPLY WITH ALL GOVERNING REGULATION PERTAINING TO ENVIRONMENTAL PROTECTION, AND PROMPTLY REMOVE ALL DEBRIS AND ACCUMULATION OF MATERIALS RESULTING FROM THE WORK.

TEMPORARY FACILITIES

1. THE CONTRACTOR SHALL CONSIDER THAT WATER, POWER AND LIGHT ARE NOT AVAILABLE AT THIS SITE WHEN PERMANENT POWER IS ESTABLISHED, ALL CONTRACTORS MAY USE THE SERVICE CONNECTION FOR PRODUCTION WORK ONLY, PROVIDED THAT ELECTRICAL CORDS AND CONNECTIONS ARE FURNISHED BY THE CONTRACTORS AND ARE DISCONNECTED AND PROPERLY STORED DURING NON-WORKING HOURS.

2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER AND TOILET FACILITIES.

DEMOLITION SPECIFICS

1. GENERAL CONTRACTOR IS TO DEMOLISH AND REMOVE FROM SITE (AND DISPOSE OF APPROPRIATELY) ALL ITEMS NOTED FOR DEMOLITION IN THE ARCHITECTURAL, CIVIL, ELECTRICAL AND/OR STRUCTURAL DRAWINGS, INCLUDING BELOW GRADE FOUNDATION AND STRUCTURES. CONTRACTOR SHALL COORDINATE WITH THE OWNER REPRESENTATIVE THE DISPOSAL OF EQUIPMENT & MATERIALS.

2. GENERAL CONTRACTOR IS TO EXERCISE UTMOST CARE DURING DEMOLITION AND PROMPTLY INFORM THE ENGINEER OF ANY DEVIATION TO THE EXISTING STRUCTURE FROM WHAT IS SHOWN IN THESE PLANS PRIOR TO PROCEEDING WITH THE WORK.

DEMOLITION & EXITING STRUCTURAL ALTERATION

3. GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SHORING, BRACING, PROVIDING LATERAL SUPPORT, AND FOR MAINTAINING THE INTEGRITY OF THE EXISTING STRUCTURE DURING ALL PHASES OF THE DEMOLITION AND CONSTRUCTION AND SHALL PROVIDE, IF REQUIRED, SIGNED & SEALED SHOP DRAWINGS, BY A REGISTERED PROFESSIONAL ENGINEER, FOR THE SHORING OF ALL WALLS, BEAMS, SLABS, ROOF JOISTS, OR OTHER ELEVATED STRUCTURAL ITEMS, THAT ARE HAVING THE SUPPORT BELOW NOTED FOR DEMOLITION.

4. ANY DAMAGE DUE TO DEMOLITION, OR OTHER CONSTRUCTION ACTIVITIES, DONE TO ANY EXISTING SURFACE TO REMAIN SHALL BE REPAIRED TO MATCH EXISTING AT NO ADDITIONAL COST TO THE OWNER.

SITE WORK

CLEARING AND GRUBBING

1. CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY THE TREES NECESSARY FOR THE CONSTRUCTION OF THE FACILITY SHALL BE REMOVED. ANY DAMAGES TO PROPERTY OUTSIDE THE CONSTRUCTION UNIT SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

2. THE CONTRACTOR SHALL PROTECT EXISTING TREES, VEGETATION, LANDSCAPING MATERIALS AND SITE IMPROVEMENTS NOT SCHEDULED FOR CLEARING OR REMOVAL WHICH MIGHT BE DAMAGED BY CONSTRUCTION ACTIVITIES.

3. TRIM EXISTING TREES AND VEGETATION AS RECOMMENDED BY THE OWNER FOR PROTECTION DURING CONSTRUCTION.

4. CLEAR AND GRUB STUMPS, VEGETATION, DEBRIS, RUBBISH, DESIGNATED TREES AND SITE IMPROVEMENT.

5. STRIP AND STOCKPILE TOPSOIL

6. PROTECT TEMPORARILY ADJACENT PROPERTY, STRUCTURES, BENCHMARKS AND MONUMENTS.

7. MARK DESIGNATED TREES AND VEGETATION DURING CONSTRUCTION ACTIVITIES.

8. PROVIDE TEMPORARY EROSION CONTROL SILTATION CONTROL AND DUST CONTROL

9. REMOVE AND LEGALLY DISPOSE OF CLEARED MATERIALS.

EXCAVATION AND BACKFILL

1. ALL SUITABLE BORROW MATERIAL FOR BACK ALL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATION APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL

2. ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS AS DEFINED BY THE OWNER'S REPRESENTATIVE ON THE DRAWINGS OR GEOTECHNICAL REPORT RECOMMENDATIONS.

3. THIS PROJECT INCLUDES:

- EXCAVATION, TRENCHING, FILLING, COMPACTING AND GRADING FOR STRUCTURES, SITE IMPROVEMENTS, ACCESS ROAD AND UTILITIES.
- ALL MATERIALS FOR SUBBASE, DRAINAGE FILL, BACK FILL AND GRAVEL FOR SLABS, PAVEMENT AND IMPROVEMENTS.
- ROCK EXCAVATION WITHOUT BLASTING.
- SUPPLY OF ADDITIONAL MATERIALS FROM OFF SITE AS REQUIRED.
- REMOVAL AND LEGAL DISPOSAL OF EXCAVATED MATERIALS AS REQUIRED.

4. ALL LAYERS THAT REQUIRE COMPACTION SHALL HAVE A MAXIMUM THICKNESS OF 6 INCHES.

5. THE COMPACTING UNDER STRUCTURES, BUILDING SLABS, STEPS, PAVEMENT AND WALKWAYS SHALL BE 95% MAXIMUM DENSITY, A8TM D-1557, in(iti) IN EACH OF THE COMPACTING LAYERS AT EACH COMPACTING SITE, OR AT LEAST IN EACH 100CU. PER YARDS OF MATERIAL VOLUME.

6. THE COMPACTING UNDER LAWNS OR UNPAVED AREAS SHALL BE 85% MAXIMUM DENSITY, ASIA DI 557.

7. THE COMPACTED LAYERS SHALL NOT EXCEED 8 INCHES.

8. AREAS THAT DO NOT MEET ASTM D-1557 REQUIREMENTS MUST BE RECOMPACTED AT THE CONTRACTOR'S EXPENSES.

9. ALL TRENCH EXCAVATIONS AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHA REGULATIONS FOR CONSTRUCTION.

10. WHERE UNSTABLE SOIL CONDITIONS EXIST, LINE THE GRUBBED AREAS WITH GEOTEXTILE FABRIC (MIRAFI 500X OR APPROVED EQUIVALENT) PRIOR TO PLACING ALL OR BASE MATERIAL

11. THE USE OF EXPLOSIVE IS PROHIBITED ON SITE

12. ALL EXCAVATION ON WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIAL HORIZONTAL, UNDISTURBED AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUND WATER. DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED IF REQUIRED.

13. ANY EXCAVATION OVER THE REQUIRED DEPTH SHALL BE FILLED WITH OTHER MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS.

14. BACK ALL SHALL USE APPROVED LATERALS CONSISTING OF LOAM, SANDY CLAY, SAND, GRAVEL OR SOFT SHALE AND SHALL BE FREE FROM CLODS OR STONES OVER 2 W'.

15. AFTER COMPLETION OF THE FOUNDATION AND OTHER CONSTRUCTION BELOW GRADE AND BEFORE BACK FLUNG, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIALS SUCH AS VEGETATION, DEBRIS, TRASH AND ANY FOREIGN MATERIAL

SITE WORK CONT'D

DRAINAGE

1. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE AWAY FROM THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTAINED ON THE DOWNSTREAM SIDE OF THE SITE AT ALL TIMES. ANY DAMAGE TO ADJACENT PROPERTIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSES.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK

3. ANY DRAIN, FIELD TILE OR DRAINAGE STRUCTURE ENCOUNTERED DURING CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL OR BETTER CONDITIONS AFTER CONSTRUCTION AND BE NOTED ON THE RECORD DOCUMENTS.

EROSION CONTROL

1. CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL CODES AND ORDINANCES TO PROTECT 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 FENCE, STRAW BALES, SEDIMENT BARRIERS AND CHECK DAMS.

2. EROSION CONTROL MEASURES MAY BE REQUIRED IN ADDITION TO THOSE SHOWN ON DRAWINGS WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS.

3. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR FROM THE SITE.



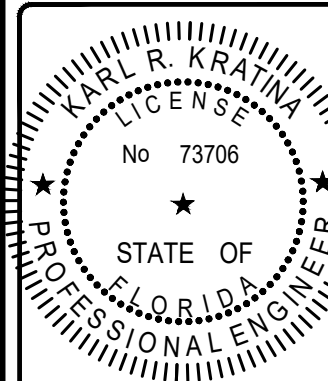
6391 Sprint Parkway
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5449 Bells Ferry Road
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Karl R. Kratina, P.E. 73706

PROJECT NO:	EUSP0101
DRAWN BY:	N. KINCAID
CHECKED BY:	W. WEST

B	11.07.19	UPDATED PER CITY COMMENTS
A	10.21.19	FOR REVIEW



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SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

GENERAL PROVISIONS

4. THE CONSTRUCTION SITE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT OF WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE AS CONDITIONS DEMAND, REPAIR AND/OR CLEAN OUT OF ANY STRUCTURES USED TO TRAP SEDIMENTS. ALL MATERIALS SPILLED, DROPPED WASHED OR TRACKED FROM VEHICLE OFF SITE ONTO ROADWAY OR INTO STORM DRAINS MUST BE REMOVED.

5. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/DOTS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

6. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION AND DETENTION FACILITIES ARE CONSTRUCTED. SILT BARRIERS SHALL BE PLACED AT ALL DOWNSTREAM TOE OF CUT AND ALL SLOPES.

7. THE LOCATION OF SOME EROSION CONTROL (D)ACES MAY HAVE TO BE ALTERED FROM WHAT IS SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR DRAINAGE PATTERN CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROL EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN (7) DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING.

8. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSIT AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS AND DRIVEWAYS HAVE BEEN COMPLETED. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

9. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED.

10. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE UTILIZED FOR EROSION CONTROL

11. ALL OPEN SWALES MUST BE GRASSED, AND RIP-RAP MUST BE PLACED AS REQUIRED TO CONTROL EROSION . ALL CUT AND ALL SLOPES MUST BE SURFACE ROUGHENED AND VEGETATED WITHIN (7) DAYS OF CONSTRUCTION.

12. SEEDING AND MULCHING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE SITE DEVELOPMENT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING AN ADEQUATE COVER OF VEGETATION OVER THE SITE FOR A PERIOD OF ONE YEAR.

13. SEEDBED PREPARATION: AREA TO BE SEEDED SHALL BE LOOSE AND FRIABLE TO A DEPTH OF AT LEAST 3". THE TOP LAYER SHALL BE LOOSENEED BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING OCCURS. IN LIEU OF SOIL TEST RESULTS, APPLY 50 LBS. OF DOLOMITIC LIMESTONE AND 25 LBS. OF 10-10-10 FERTILIZER PER 1000 SF. HARROW OR DISK LIMESTONE AND FERTILIZER INTO SOIL TO A DEPTH OF AT LEAST 3" ON THE SLOPES FLATTER THAN 3:1.

14. SEEDING: APPLY 5-6 LBS. PER 1000 SF. OF KENTUCKY 31 TALL FESCUE. APPLY SEED UNIFORMLY WITH A CYCLONE SEEDED DRILL CULTIPACKER SEEDER OR HYDROSEEDER (SLURRY INCLUDES SEEDS AND FERTILIZER RECOMMENDED ON STEEP SLOPES ONLY) ON MOIST, ARM SEEDBED. MAXIMUM SEED DEPTH SHOULD BE W WHEN USING THE HYDROSEEDER METHOD. IRRIGATE UNTIL VEGETATION IS FIRMLY ESTABLISHED IF SOIL MOISTURE IS NOT SUFFICIENT TO SUPPORT ADEQUATE GROWTH.

15. IN CONCENTRATED AREAS, ALL SLOPES STEEPER THAN 2.5:1 AND LENGTH OF 10 FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKETS.

16. RIPRAP SHALL BE CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY, AND FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI OR OTHER DELETERIOUS SUBSTANCES.

GRADING

1. THE CONTRACTOR SHALL SEED THE GRADED AREAS PER DOT STANDARDS. A EROSION CONTROL BLANKET SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS IF REQUIRED OR NECESSARY.

2. THE CONTRACTOR SHALL PROVIDE ADEQUATE WATERING TO ENSURE FAVORABLE GROWTH OF VEGETATION FOR A PERIOD OF 6 MONTHS.

3. ALL GROUNDING, UTILITIES AND UNDERGROUND EQUIPMENT EXPOSED BY GRADING SHALL BE REPLACED AND PROPERLY CONNECTED TO THE EXISTING PORTION OF THE ORIGINAL SYSTEM PER APPROVED CODES AND JURISDICTION REQUIREMENTS.

4. THE GRADING TOLERANCE FOR FILL UNDER BUILDING SLABS SHALL BE ±14 INCH MEASURE WITH 10 FT STRAIGHTEDGE.

5. THE GRADING TOLERANCE OUTSIDE BUILDING LINES SHALL BE ± 1 INCH FOR LAWNS, UNPAVED AREAS AND WALKS; AND ±14 INCH UNDER PAVEMENT.

6. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND RE-GRADING ROADWAY MD/OR FIELD FOLLOWING THE INSTALLATION OF UTILITIES.

7. ANY FILLS PLACED ON EXISTING SLOPES THAT ARE GREATER THAN 10 HORIZONTAL TO 1 VERTICAL SHALL BE PROPERLY BENCHED INTO THE EXISTING SLOPE.

8. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO RE-GRADE THE SITE AND MONITOR THE STABILITY OF EMBANKMENT STEEPER THAN 1:3 AT ALL TIME DURING CONSTRUCTION.

9. PROTECT EXISTING GRAVEL SURFACING AND SUB-GRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING OR OTHER SUITABLE MATERIALS DESIGNED TO SPREAD EQUIPMENT LOADS. REPAIR DAMAGE TO EXISTING GRAVEL SURFACING OR SUB-GRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTOR OPERATIONS. DAMAGED GRAVEL SURFACING SHALL BE RESTORED TO MATCH THE ADJACENT UNDAAGED GRAVEL SURFACING AND SHALL BE THE SAME THICKNESS.



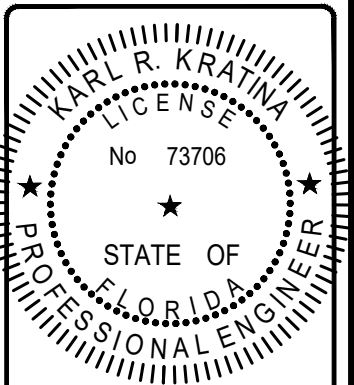
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Karl R. Kratina, P.E. 73706

PROJECT NO:	EUSP0101
DRAWN BY:	N. KINCAID
CHECKED BY:	W. WEST

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A	10.21.19	FOR REVIEW



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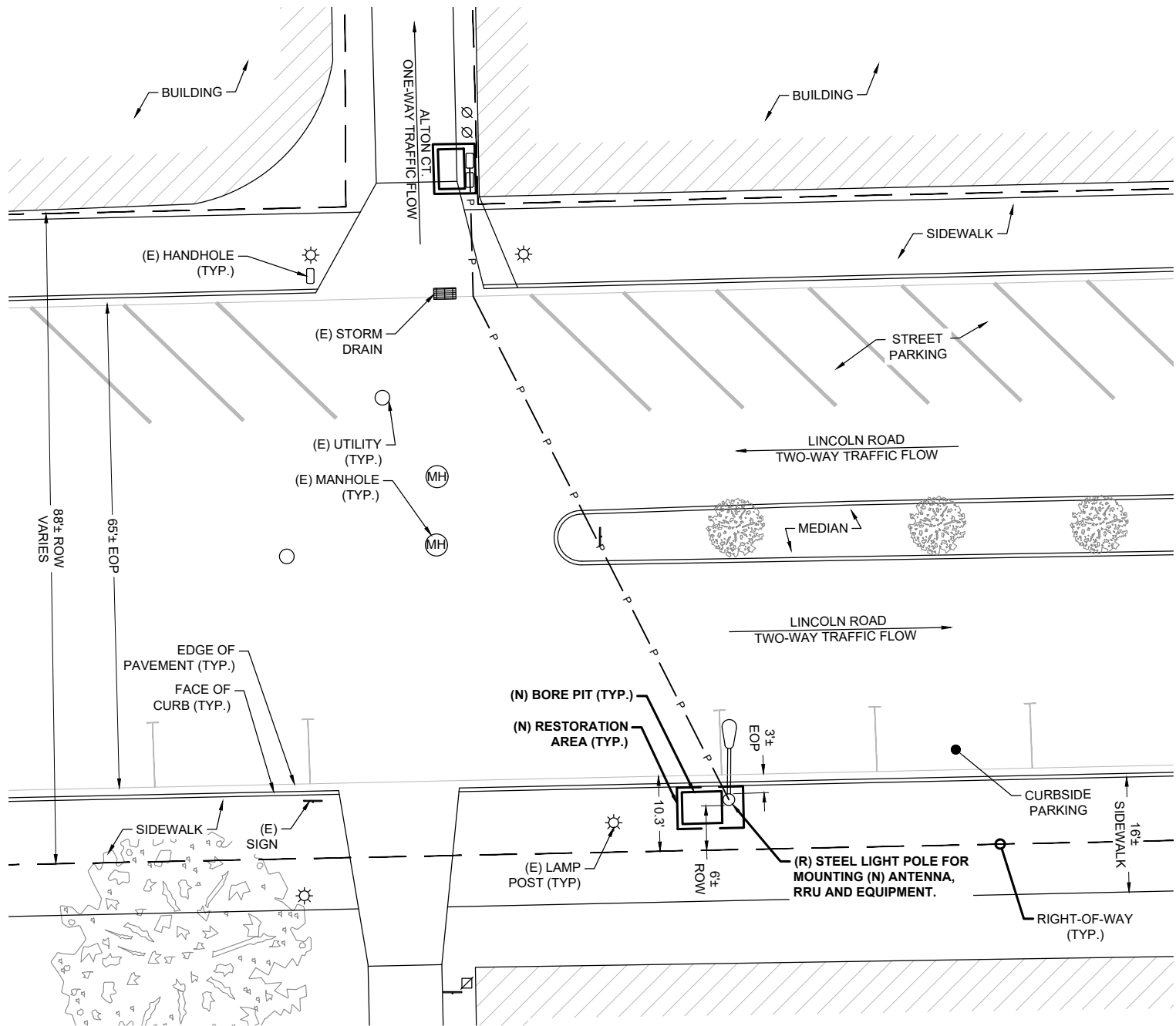
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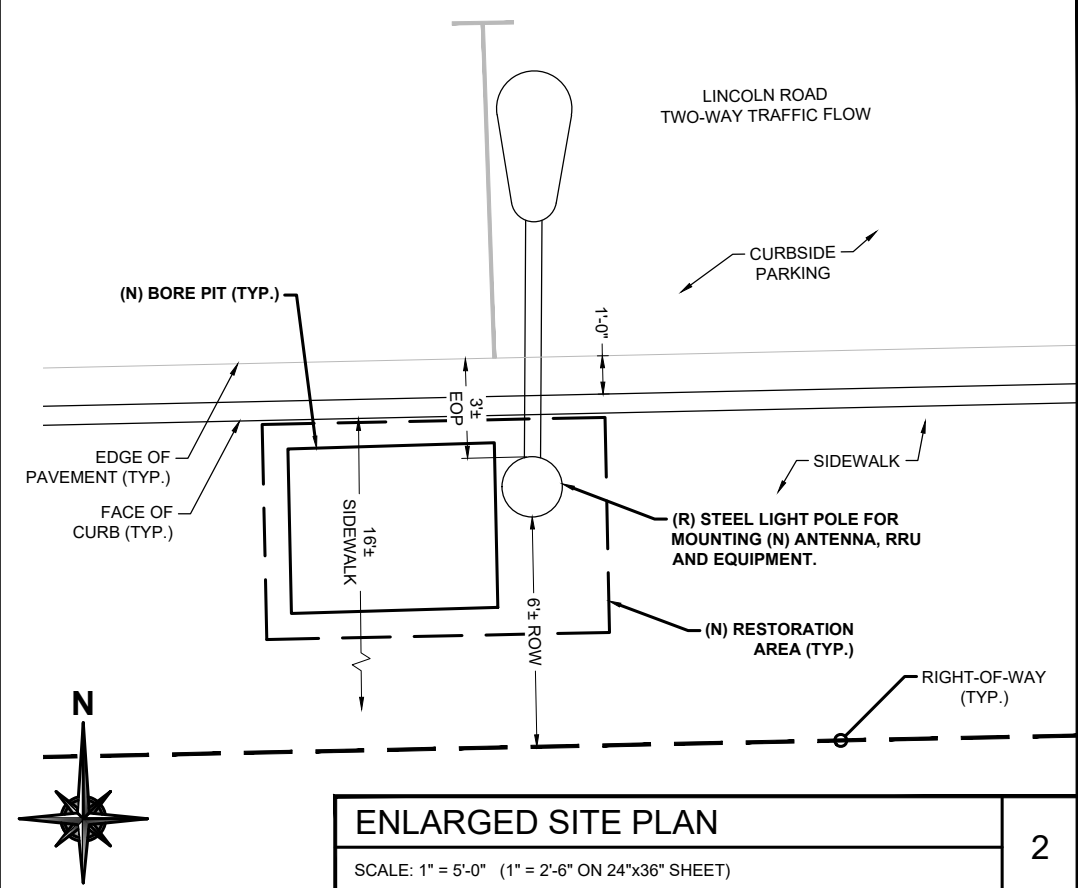
GENERAL NOTES

SHEET NUMBER

GN-3



OVERALL SITE PLAN
SCALE: 1" = 20'-0" (1" = 10'-0" ON 24"x36" SHEET)



ENLARGED SITE PLAN
SCALE: 1" = 5'-0" (1" = 2'-6" ON 24"x36" SHEET)

SYMBOL LEGEND

- (MH) MANHOLE
- HYDRANT
- WOOD OR STEEL LIGHT POLE
- WOOD OR STEEL UTILITY POLE
- CONCRETE LIGHT POLE
- CONCRETE UTILITY POLE
- O/H OVERHEAD UTILITIES
- P UNDERGROUND POWER
- F UNDERGROUND FIBER
- GROUND CONDUCTOR
- X CHAIN LINK FENCE
- WOODEN FENCE
- RIGHT-OF-WAY

CONSTRUCTION NOTES

- NOTES:**
- CONTRACTOR SHALL MAINTAIN UNINTERRUPTED ACCESS TO ALL DRIVEWAYS, SIDE STREETS AND WALKWAYS AT ALL TIMES UNLESS OTHERWISE PERMITTED.
 - CONTRACTOR SHALL COMPLY WITH THE MAINTENANCE OF TRAFFIC (M.O.T) PLAN FOR PEDESTRIAN TRAFFIC AND WORK WITHIN THE RIGHT-OF-WAY, INCLUDING VEHICLE PARKING AND EQUIPMENT STAGING.
 - CONTRACTOR SHALL RESTORE ANY DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER, INCLUDING BUT NOT LIMITED TO, LANDSCAPING, SOD, PAVING, SIDEWALK REPAIR AND OR FENCE REPAIR.
 - LOCATE AND MARK ANY AND ALL UTILITIES PRIOR TO START OF CONSTRUCTION.
 - REMOVE/ REPLACE SIDEWALK TO NEAREST CONTROL OR EXPANSION JOINT.



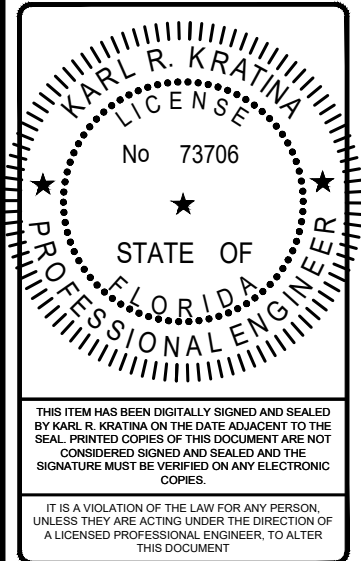
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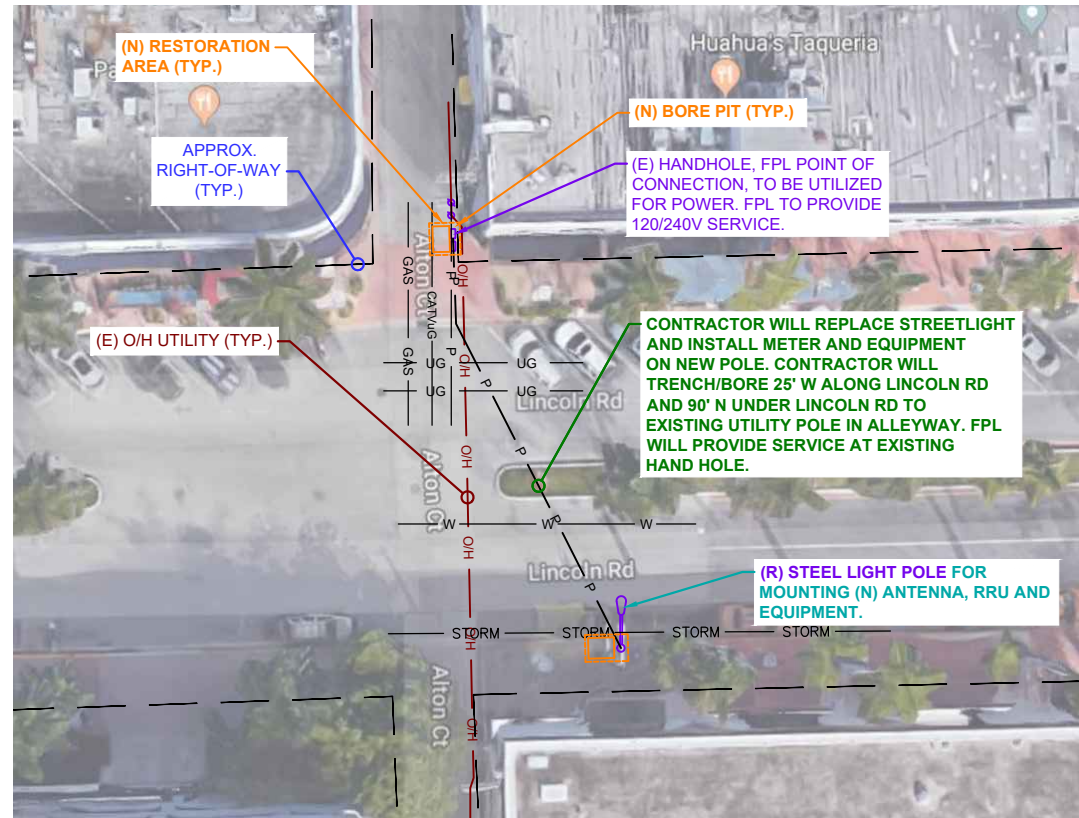
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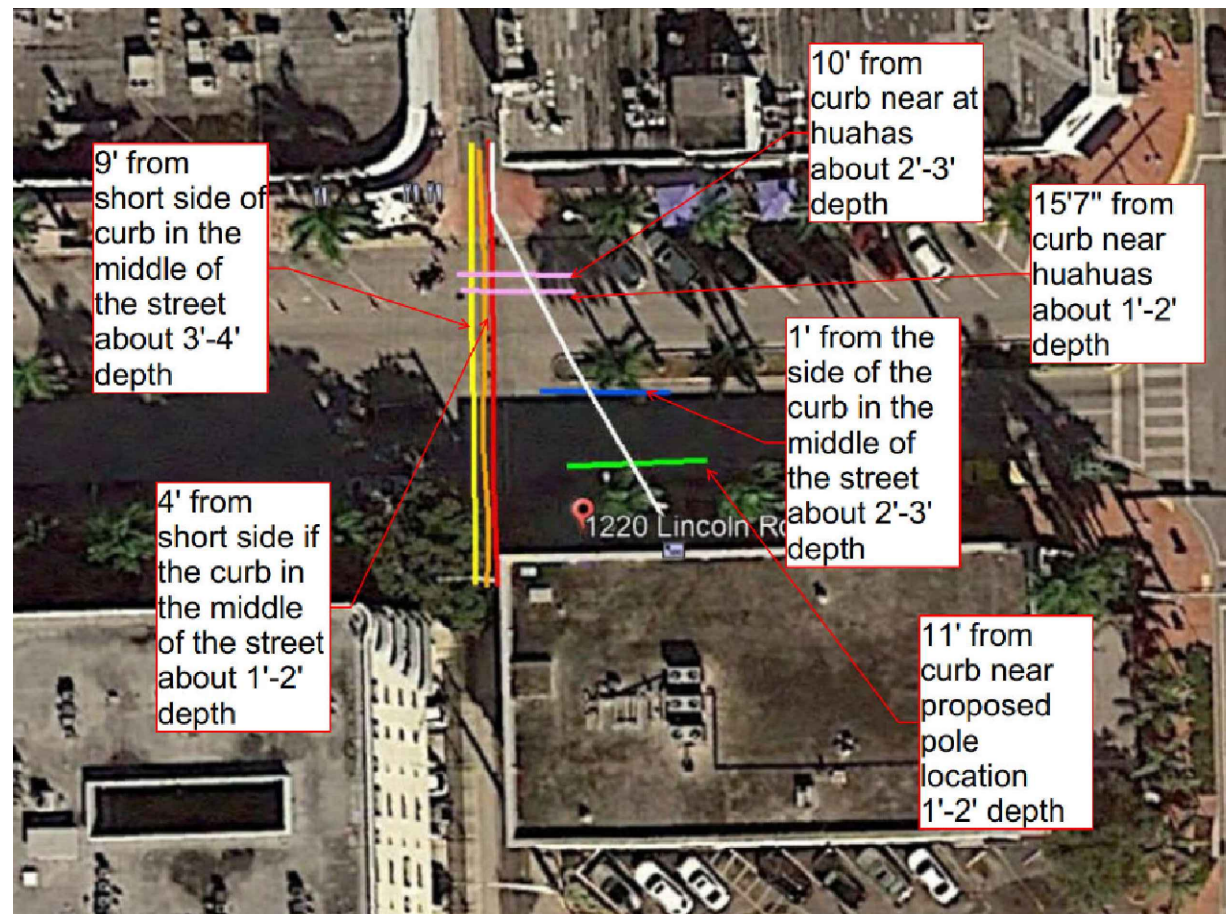
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SHEET TITLE
SITE PLAN

SHEET NUMBER
C-1















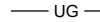
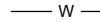
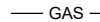


FPL APPROVED POWER ROUTE



UTILITY SURVEY (PROVIDED BY GPRS 10/30/19)



NOTE:
THESE PLANS ARE BASED ON PRE-LIMINARY INFORMATION, INTENDED SOLELY FOR THE USE OF PERMITTING. UTILITY ROUTE SHOWN IS PENDING FINAL COORDINATION WITH UTILITY. NOT FOR CONSTRUCTION

SYMBOL LEGEND	
	WOOD OR STEEL LIGHT POLE
	WOOD OR STEEL UTILITY POLE
	CONCRETE LIGHT POLE
	CONCRETE UTILITY POLE
	(E) OVERHEAD UTILITIES
	(P) UNDERGROUND UTILITIES
	(P) OVERHEAD UTILITIES
	(E) EXISTING EQUIPMENT
	(P) RESTORATION AREA
	(P) BORE PIT
	RIGHT-OF-WAY
	(E) ELECTRICAL
	(E) UNKNOWN UTILITY
	(E) WATER
	(E) GAS
	(E) COMMUNICATON
	(E) STORM WATER

UTILITY PLAN
SCALE: 1" = 20'-0" (1" = 10'-0" ON 24"x36" SHEET)



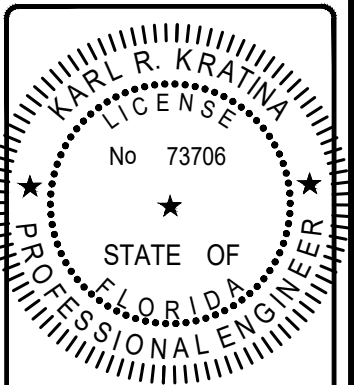
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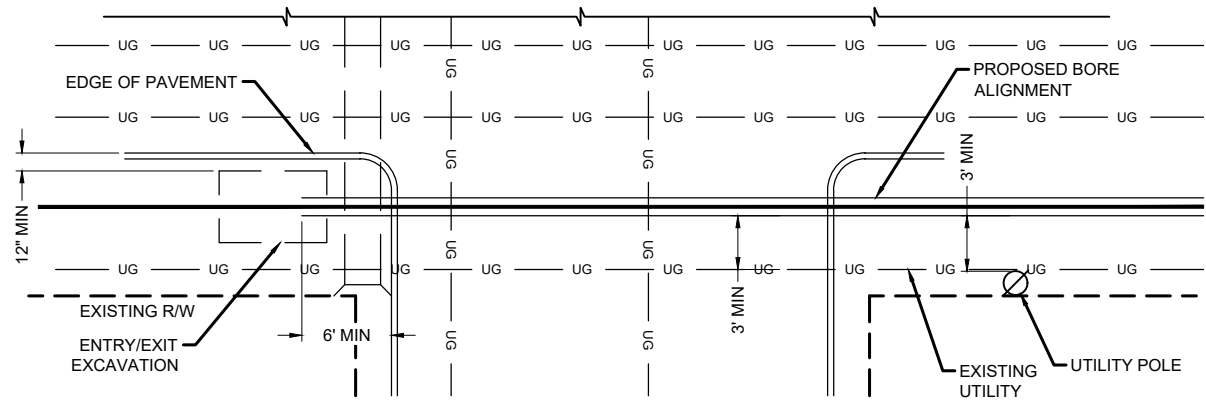
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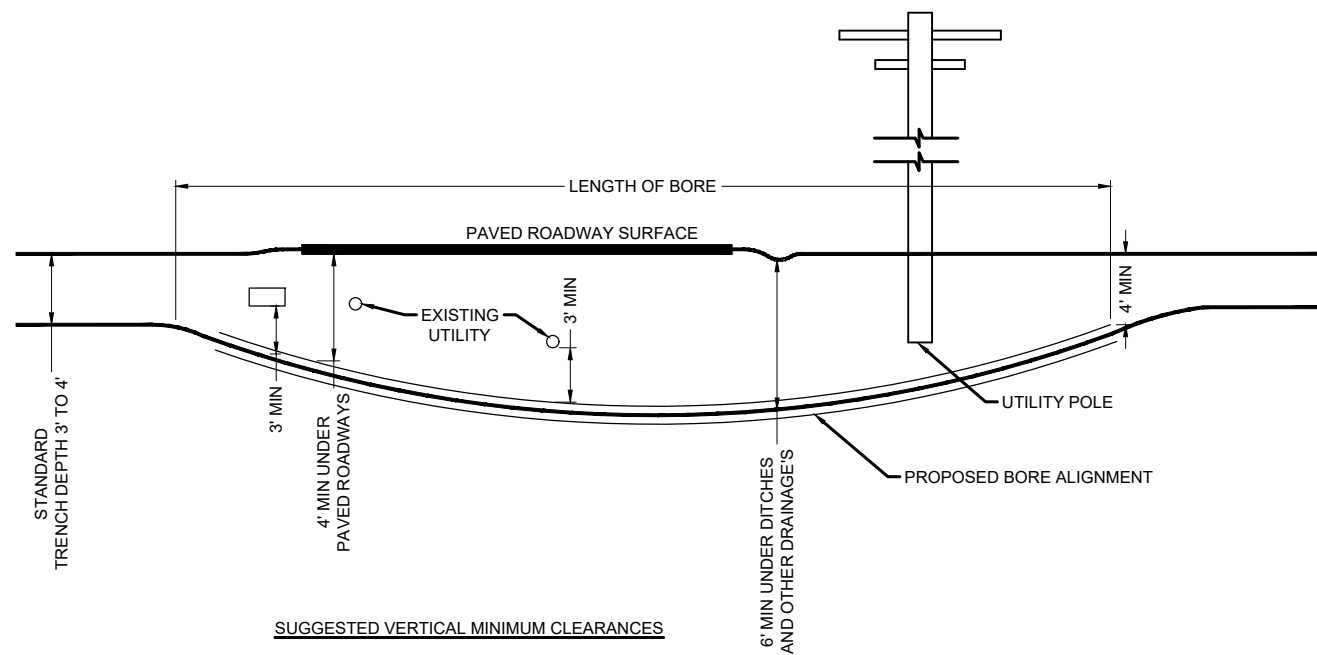
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UTILITY PLAN

SHEET NUMBER
C-1A



SUGGESTED HORIZONTAL MINIMUM CLEARANCES

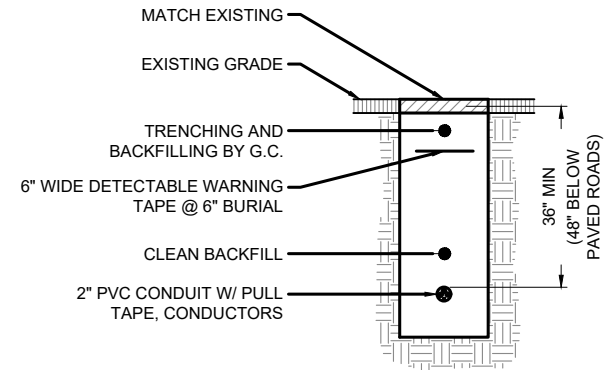


SUGGESTED VERTICAL MINIMUM CLEARANCES

DIRECTIONAL BORING DETAILS

SCALE: NOT TO SCALE

1



TRENCH SECTION DETAIL

SCALE: NOT TO SCALE

2

NOT USED

SCALE: N/A

3



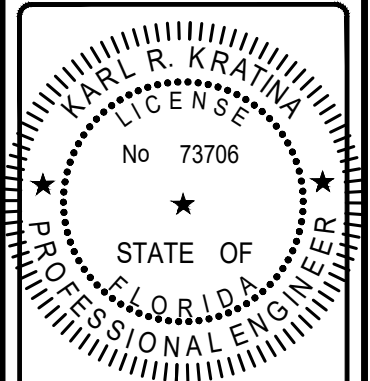
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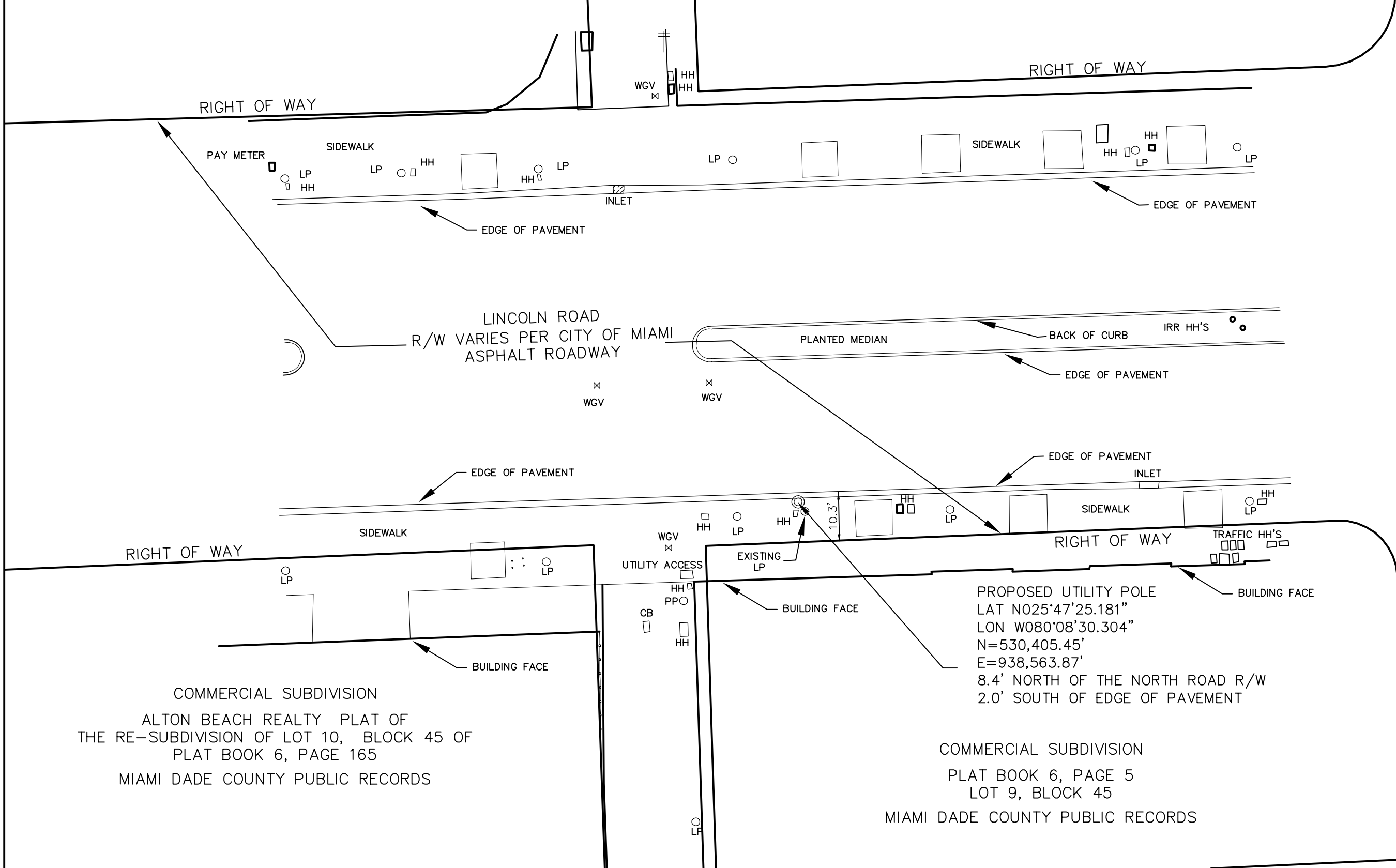
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SHEET TITLE
EXCAVATION DETAILS

SHEET NUMBER
C-2

SURVEY NOTE:
 THIS ROW LINE SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF PROFESSIONAL LISTED FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THAT THE ROW DATA SHOWN WAS OBTAINED ON NOVEMBER 5, 2019; AND THAT THIS MAP MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

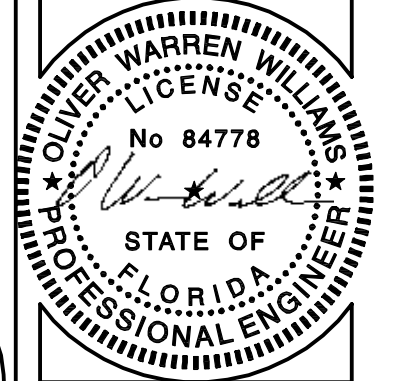


PROPOSED UTILITY POLE
 LAT N025°47'25.181"
 LON W080°08'30.304"
 N=530,405.45'
 E=938,563.87'
 8.4' NORTH OF THE NORTH ROAD R/W
 2.0' SOUTH OF EDGE OF PAVEMENT

TBG
 Toro Blanco Group, LLC
 69 Honour Circle NW
 Atlanta, GA 30305
 828.260.6238
 www.toroblancogroup.com

WW&A
 warren williams & associates

NO.		
1	11/7/19	SURVEY EXHIBIT
	BY: ALB	CHK: OWW APP'D: OWW
2		
3		
4		
5		
6		



MI90XSM43H
 NEW UTILITY
 POLE

1220 LINCOLN ROAD
 MIAMI BEACH, FL

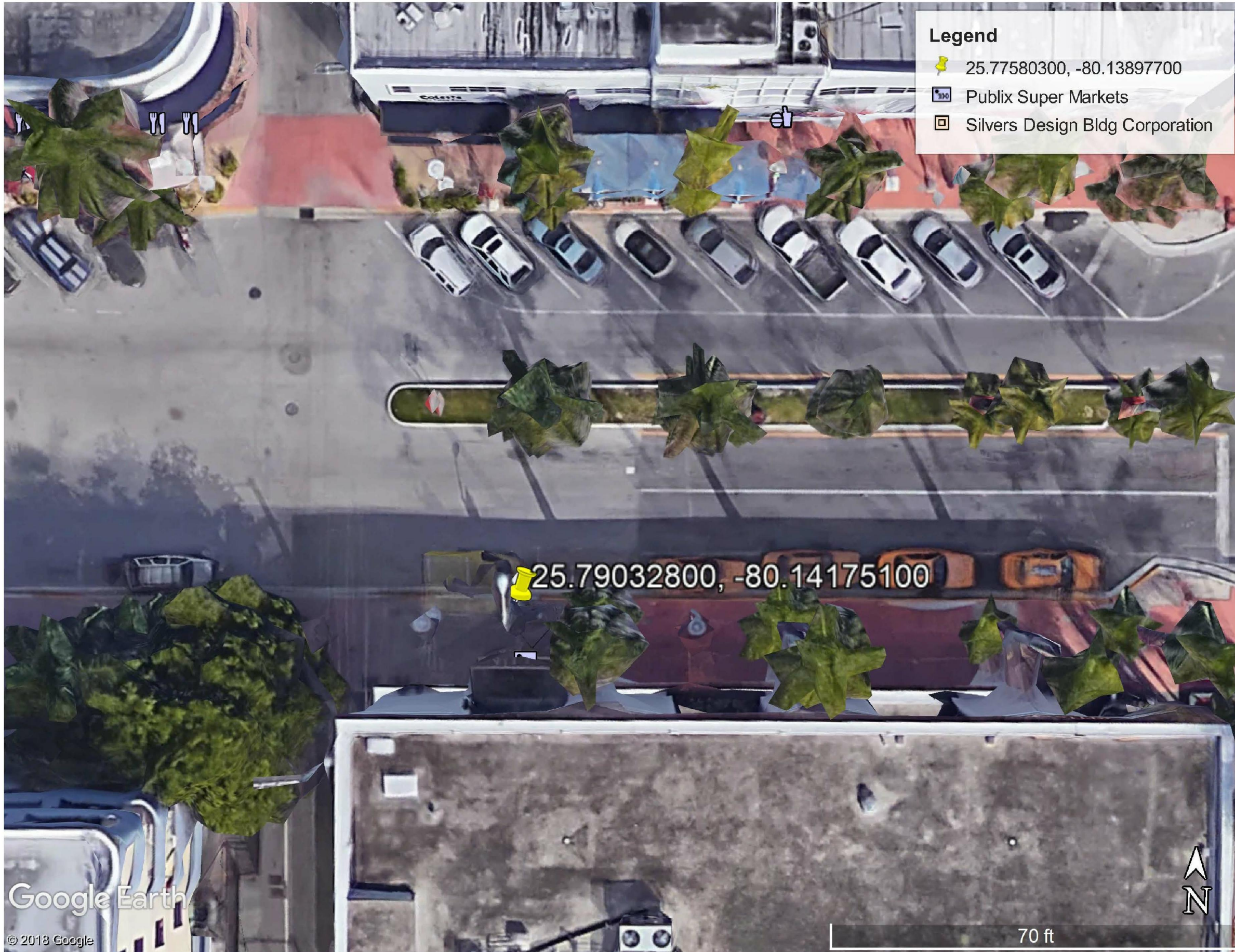
DRAWN BY: RTW
 CHECKED BY: OWW
 TTV DATE: NA
 COMM NO: MINI-MACRO

SHEET TITLE:
 SURVEY EXHIBIT



SHEET NUMBER:
SE-1

1
 SE-1
 SURVEY EXHIBIT

FOR 24" X 36" PLOT - 1" = 20'
 FOR 11" X 17" PLOT - 1" = 40'



Legend

-  25.77580300, -80.13897700
-  Publix Super Markets
-  Silvers Design Bldg Corporation

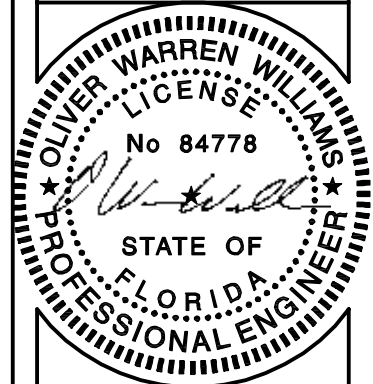


69 HONOUR CIR NW
ATLANTA, GA 30305



7508 SHADOW CREEK DR
SUMMERFIELD
NORTH CAROLINA
27358
(757) 450-2288

NO.			
1	11/7/19	SURVEY EXHIBIT	
	BY: ALB	CHK: OWW	APP'D: OWW
2			
3			
4			
5			
6			



MI90XSM43H
NEW UTILITY
POLE

1220 LINCOLN ROAD
MIAMI BEACH, FL

DRAWN BY:		RTW
CHECKED BY:		OWW
TTV DATE:		NA
COMM NO:		MINI-MACRO

SHEET TITLE:
SURVEY EXHIBIT

SHEET NUMBER:
SE-2

Google Earth

© 2018 Google

70 ft



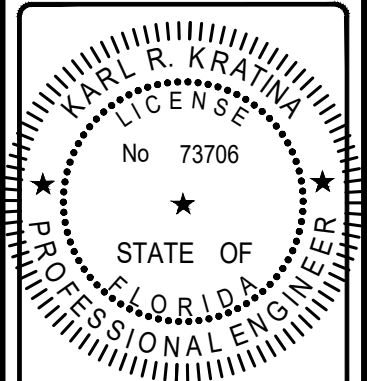
6391 Sprint Parkway
Overland Park, KS 66211



5449 Bells Ferry Road
Acworth, Georgia 30102
770-701-2500 Fax 770-701-2501
Karl R. Kratina, P.E. 73706

PROJECT NO: EUSP0101
DRAWN BY: N. KINCAID
CHECKED BY: W. WEST

B	11.07.19	UPDATED PER CITY COMMENTS
A	10.21.19	FOR REVIEW



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M190XSM43-H
1220 LINCOLN RD
MIAMI BEACH, FL 33139

SHEET TITLE
PHOTO SIM

SHEET NUMBER
PS-1



EXISTING SIDE VIEW
SCALE: NOT TO SCALE
1

PROPOSED SIDE VIEW
SCALE: NOT TO SCALE
2

POLE TO BE PAINTED GRAY PER CITY REQUIREMENTS

ENTIRE SHEET



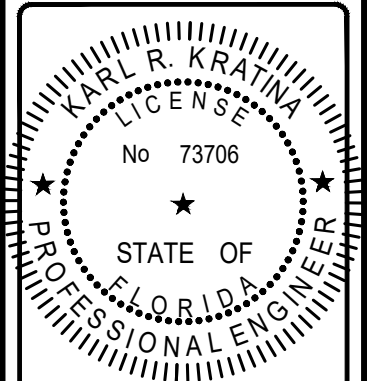
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Overland Park, KS 66211



5449 Bells Ferry Road
Acworth, Georgia 30102
770-701-2500 Fax 770-701-2501
Karl R. Kratina, P.E. 73706

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M190XSM43-H
1220 LINCOLN RD
MIAMI BEACH, FL 33139

SHEET TITLE
POLE ELEVATIONS

SHEET NUMBER
S-1

T/ OF (E) POLE = ± 35'-0"

(E) STEEL POLE TO BE REPLACED

(E) STREET LIGHT

EXISTING SIDE VIEW

(E) POLE FOUNDATION

NOTE:
REFER TO STRUCTURAL ANALYSIS REPORT (SEPARATE DOCUMENT) FOR ADDITIONAL STRUCTURAL INFORMATION.

NOTES:

1. ALL HARDWARE SHALL BE STAINLESS STEEL/PAINTED PER CITY REQUIREMENTS.
2. ALL CABLES SHALL BE SECURED TO POLE EVERY 36" OR LESS.

(N) OMNI-DIRECTIONAL ANTENNA SHROUD

(N) OMNI-DIRECTIONAL ANTENNA TO BE INSTALLED

(N) STREET LIGHT TO BE MOUNTED AT SAME HEIGHT AS (E) STREET LIGHT

(N) UE RELAY ATTACHED WITH 1/2" STEEL BANDING

(N) RADIO MOUNTED INSIDE POLE

(N) STEEL CONCEALMENT POLE

(N) AC DISTRIBUTION PANEL MOUNTED INSIDE POLE

(N) DISCONNECT MOUNTED INSIDE POLE

(N) 100A METER MOUNTED INSIDE POLE

T/ OF (N) ANTENNA = ± 38'-0"

C/L OF (N) ANTENNA = ± 37'-1"

T/ OF (N) POLE = ± 35'-0"

C/L OF (N) UE RELAY = ± 20'-6"

B/ OF (N) UE RELAY = ± 19'-0"

C/L OF (N) RADIO HEAD = ± 15'-4"

C/L OF (N) AC DISTRIBUTION PANEL = ± 10'-0"

C/L OF (N) DISCONNECT = ± 7'-0"

C/L OF (N) METER = ± 5'-0"

NEW SIDE VIEW

EXISTING SOIL TO BE PREPARED FOR AUGER EXCAVATION

(R) POLE ELEVATIONS

SCALE: 1" = 5'

POLE TO BE PAINTED GRAY PER CITY REQUIREMENTS

ENTIRE SHEET 



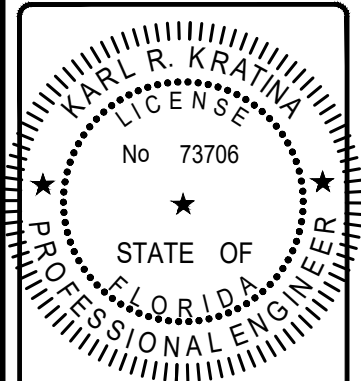
6391 Sprint Parkway
Overland Park, KS 66211



5449 Bells Ferry Road
Acworth, Georgia 30102
770-701-2500 Fax 770-701-2501
Karl R. Kratina, P.E. 73706

PROJECT NO: EUSP0101
DRAWN BY: N. KINCAID
CHECKED BY: W. WEST

B	11.07.19	UPDATED PER CITY COMMENTS
A	10.21.19	FOR REVIEW



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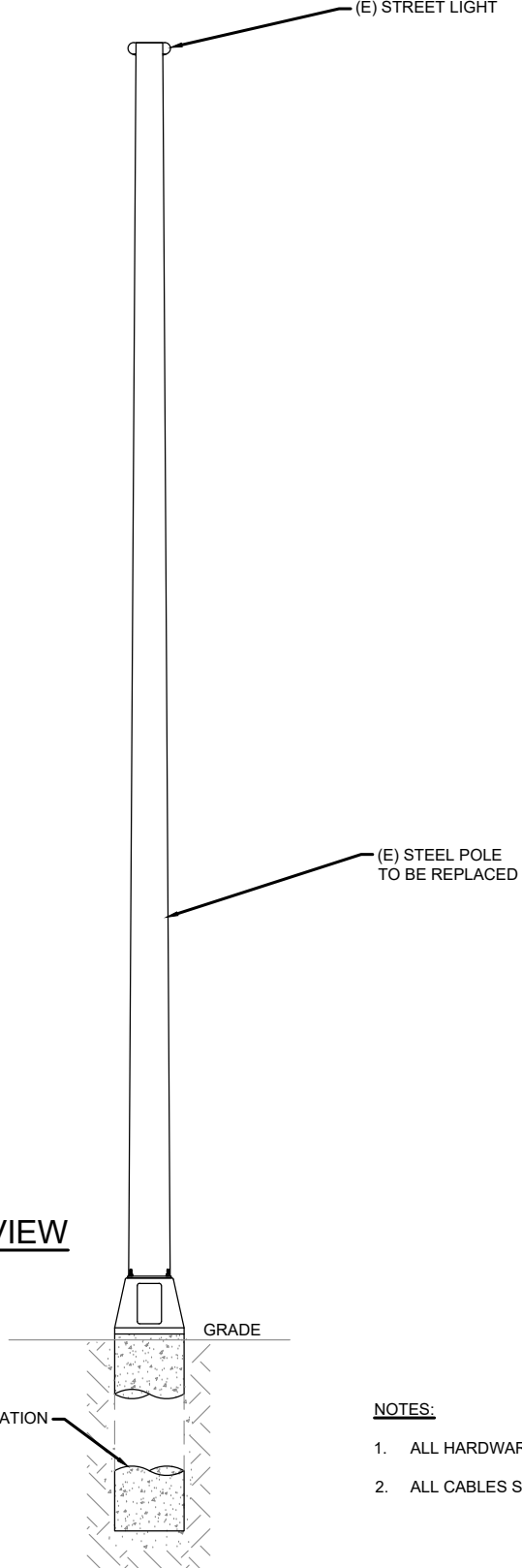
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M190XSM43-H
1220 LINCOLN RD
MIAMI BEACH, FL 33139

SHEET TITLE
POLE ELEVATIONS

SHEET NUMBER
S-2

T/ OF (E) POLE = ± 35'-0"



EXISTING BACK VIEW

(N) OMNI-DIRECTIONAL ANTENNA SHROUD
(N) OMNI-DIRECTIONAL ANTENNA TO BE INSTALLED
(N) STREET LIGHT TO BE MOUNTED AT SAME HEIGHT AS (E) STREET LIGHT

(N) UE RELAY ATTACHED WITH 1/2" STEEL BANDING
(N) RADIO MOUNTED INSIDE POLE
(N) STEEL CONCEALMENT POLE
(N) AC DISTRIBUTION PANEL MOUNTED INSIDE POLE
(N) DISCONNECT MOUNTED INSIDE POLE
(N) 100A METER MOUNTED INSIDE POLE

T/ OF (N) ANTENNA = ± 38'-0"
C/L OF (N) ANTENNA = ± 37'-1"
T/ OF (N) POLE = ± 35'-0"

C/L OF (N) UE RELAY = ± 20'-6"
B/ OF (N) UE RELAY = ± 19'-0"

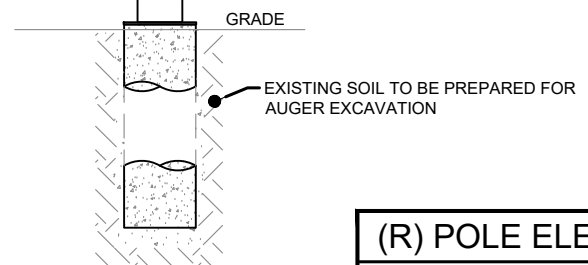
C/L OF (N) RADIO HEAD = ± 15'-4"

C/L OF (N) AC DISTRIBUTION PANEL = ± 10'-0"

C/L OF (N) DISCONNECT = ± 7'-0"

C/L OF (N) METER = ± 5'-0"

NEW BACK VIEW



- NOTES:**
- ALL HARDWARE SHALL BE STAINLESS STEEL/PAINTED PER CITY REQUIREMENTS.
 - ALL CABLES SHALL BE SECURED TO POLE EVERY 36" OR LESS.

NOTE:
REFER TO STRUCTURAL ANALYSIS REPORT (SEPARATE DOCUMENT) FOR ADDITIONAL STRUCTURAL INFORMATION.

(R) POLE ELEVATIONS
SCALE: 1" = 5'

REINFORCED CONCRETE NOTES:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN & CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- ALL SITECAST CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI WITHIN 28 DAYS. CONTINUOUS INSPECTION AND TESTING IS NOT REQUIRED. THE CONTRACTOR MAY SUBSTITUTE 5000 PSI FOR HIGH EARLY STRENGTH.

SLUMP - 4" MIN. / 6" MAX.
AIR ENTRAINMENT - 2% TO 3% BY VOLUME

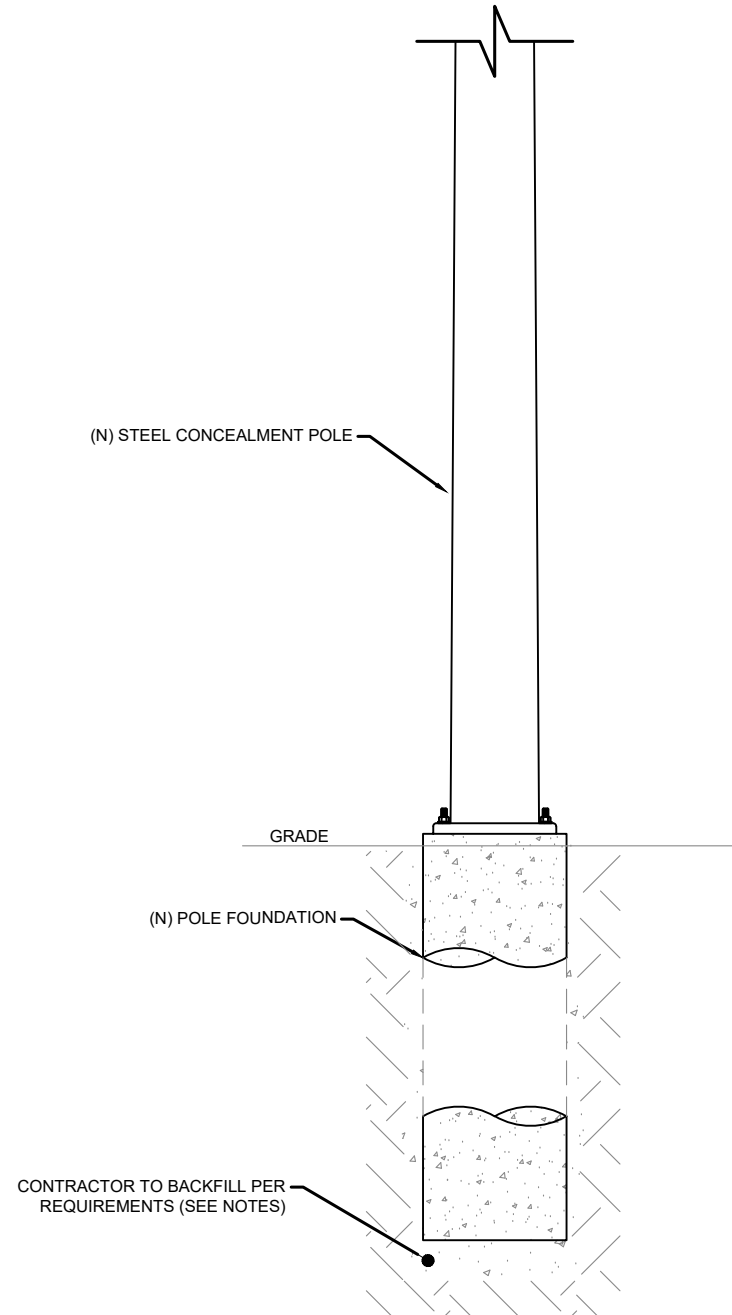
CLASSES OF CONCRETE

CLASS	28 DAY STRENGTH (PSI)	MAX. WATER/CEMENT RATIO	PLACEMENT LOCATION	
TYPE 1	3000	0.55	ALL LOCATIONS	NORMAL WEIGHT

- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL FABRIC UNLESS OTHERWISE NOTED. SPLICES FOR REBAR SHALL BE CLASS 'B' AND ALL HOOKS SHALL BE STANDARD, UNO. STAGGER SPLICES UNO. LAPS FOR WELDED WIRE FABRIC SHALL BE AT LEAST TWO FULL MESHES, UNO.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS OTHERWISE NOTED ON DRAWINGS:
 - CONCRETE CAST AGAINST EARTH.....3"
 - CONCRETE EXPOSED TO EARTH OR WEATHER
 - #6 AND LARGER.....2"
 - #5 AND SMALLER & W.W.F.....1-1/2"
- MAXIMUM COARSE AGGREGATE SIZE SHALL BE 3/4".
- INSTALLATION OF CONCRETE ANCHORS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN SPECIFICATIONS. THE ANCHOR BOLTS, DOWEL, OR RODS SHALL CONFORM TO THE ANCHOR MANUFACTURER'S SPECIFICATIONS FOR MATERIAL STRENGTH, EMBEDMENT DEPTH, SPACING, AND EDGE DISTANCE OR AS DETAILED ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE. EXPANSION BOLTS SHALL BE PROVIDED BY RAMSET/REDHEAD, HILTI OR APPROVED EQUAL. IF THE MANUFACTURER'S SPECIFICATIONS AND DETAILS ARE FOUND TO CONFLICT WITH THAT SHOWN HEREIN, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- MECHANICAL VIBRATION IS REQUIRED ON ALL SLABS TO REDUCE THE HONEYCOMB EFFECT UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL VERIFY ALL ELECTRICAL CONDUIT SIZES AND PENETRATION LOCATION PRIOR TO POURING THE SLAB. REFER TO SHELTER MANUFACTURER'S SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALLOWABLE SOIL PRESSURE = 2500 PSF (ASSUMED).

NOTE:
SEE GN-3 FOUNDATION, EXCAVATION AND BACKFILL FOR ADDITIONAL NOTES.

NOTE:
REFER TO STRUCTURAL ANALYSIS REPORT (SEPARATE DOCUMENT) FOR ADDITIONAL STRUCTURAL INFORMATION.



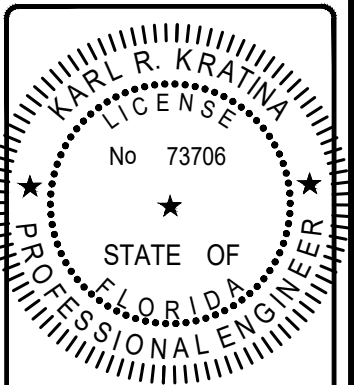
6391 Sprint Parkway
Overland Park, KS 66211



5449 Bells Ferry Road
Acworth, Georgia 30102
770-701-2500 Fax 770-701-2501
Karl R. Kratina, P.E. 73706

PROJECT NO:	EUSP0101
DRAWN BY:	N. KINCAID
CHECKED BY:	W. WEST

B	11.07.19	UPDATED PER CITY COMMENTS
A	10.21.19	FOR REVIEW



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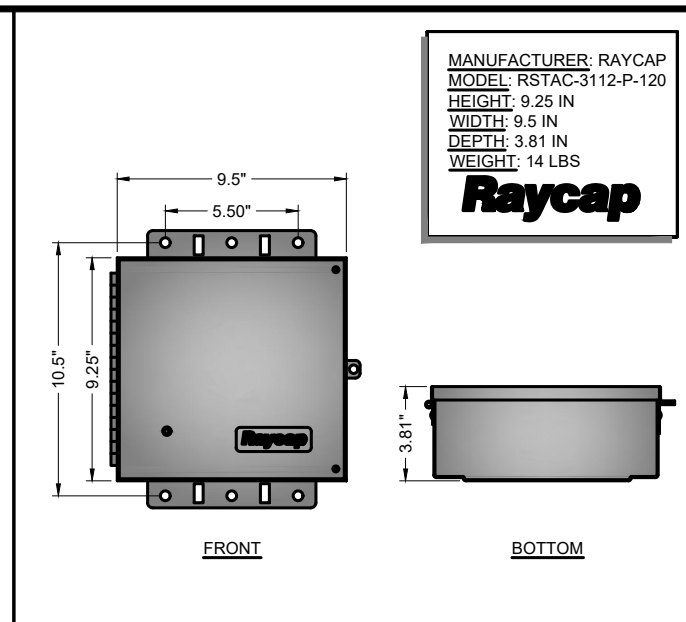
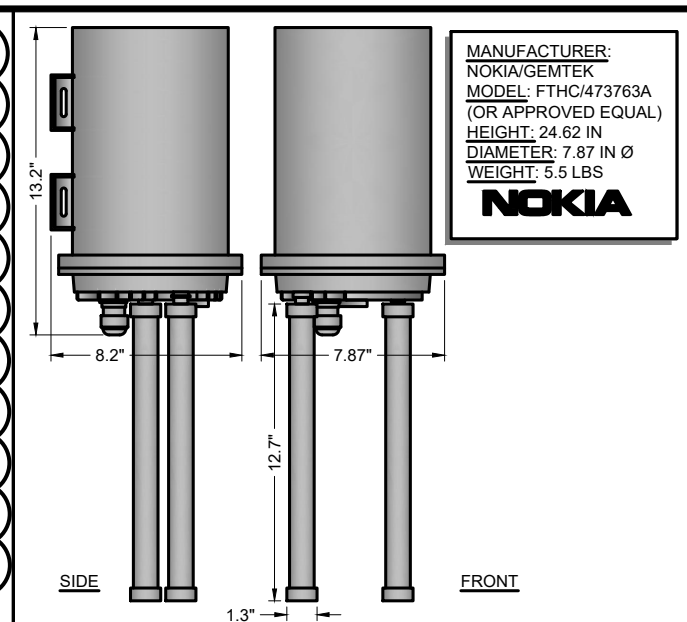
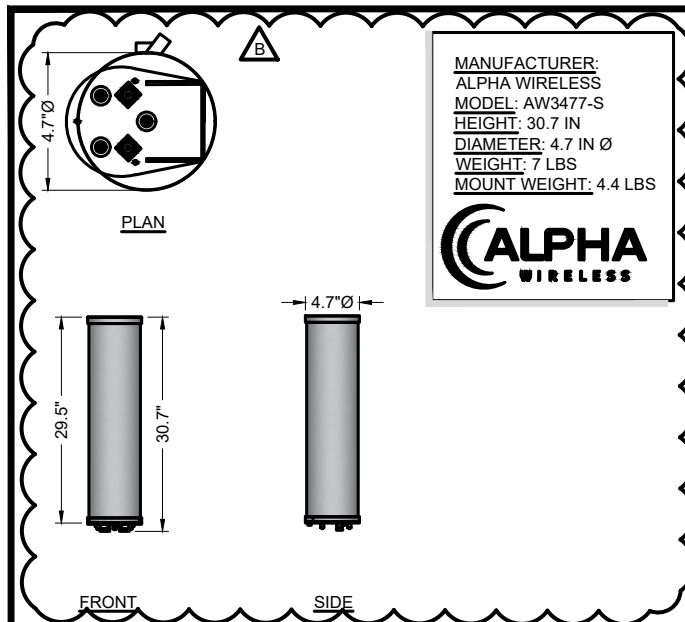
M190XSM43-H
1220 LINCOLN RD
MIAMI BEACH, FL 33139

SHEET TITLE
POLE EMBEDMENT DETAILS

SHEET NUMBER
S-3

POLE FOUNDATION DETAILS

SCALE: NOT TO SCALE



6391 Sprint Parkway
 Overland Park, KS 66211

JACOBS
 Jacobs Engineering Group, Inc.

5449 Bells Ferry Road
 Acworth, Georgia 30102
 770-701-2500 Fax 770-701-2501
 Karl R. Kratina, P.E. 73706

PROJECT NO:	EUSP0101
DRAWN BY:	N. KINCAID
CHECKED BY:	W. WEST

B	11.07.19	UPDATED PER CITY COMMENTS
A	10.21.19	FOR REVIEW

ALPHA AW3477-S OMNI (B41)

SCALE N.T.S. 1

NOKIA/GEMTEK UE RELAY

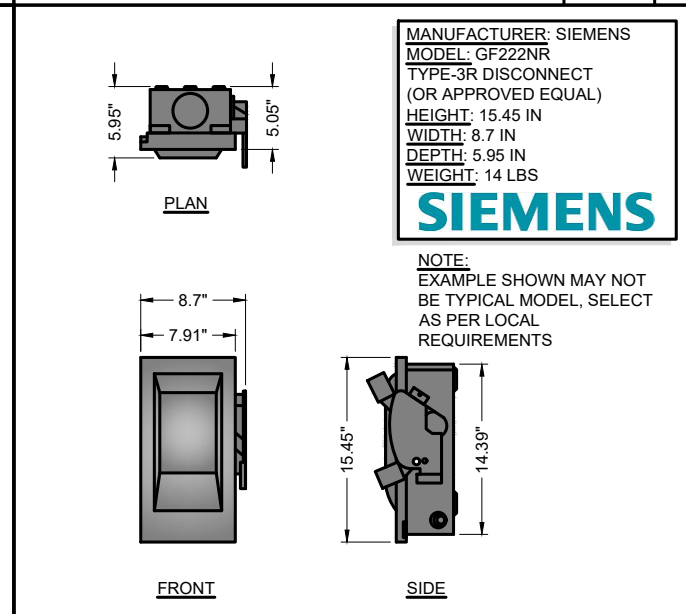
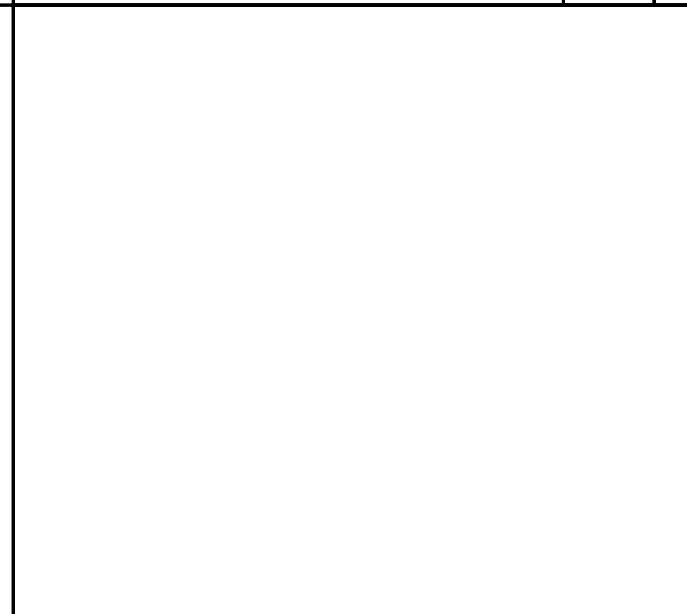
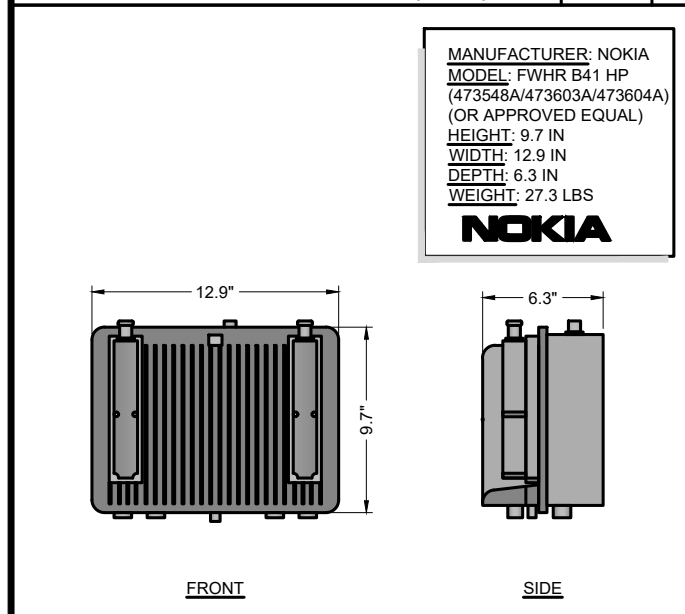
SCALE N.T.S. 4

NOT USED

SCALE N.T.S. 7

RAYCAP RSTAC-3112-P-120

SCALE N.T.S. 10



KARL R. KRATINA
 LICENSE
 No 73706
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

NOKIA RADIO FWHR B41 HP

SCALE N.T.S. 2

NOT USED

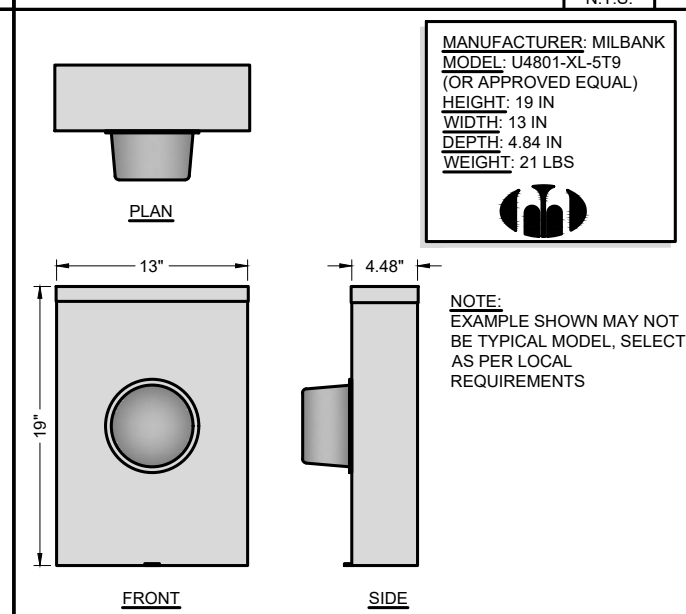
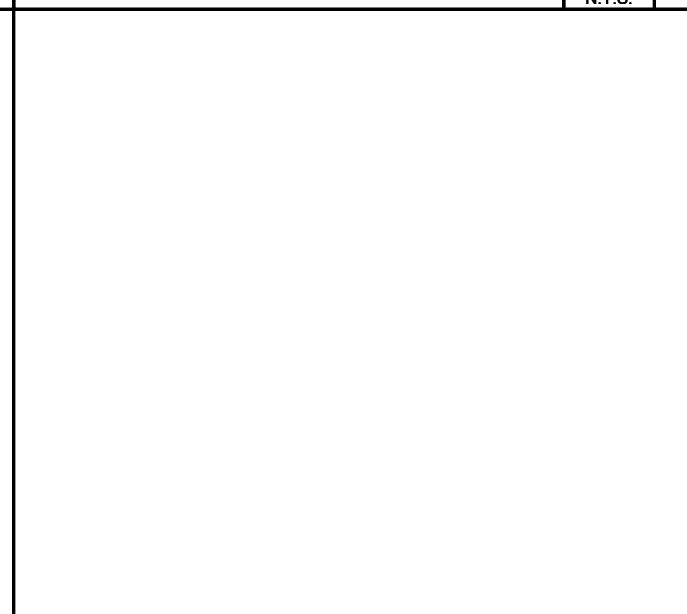
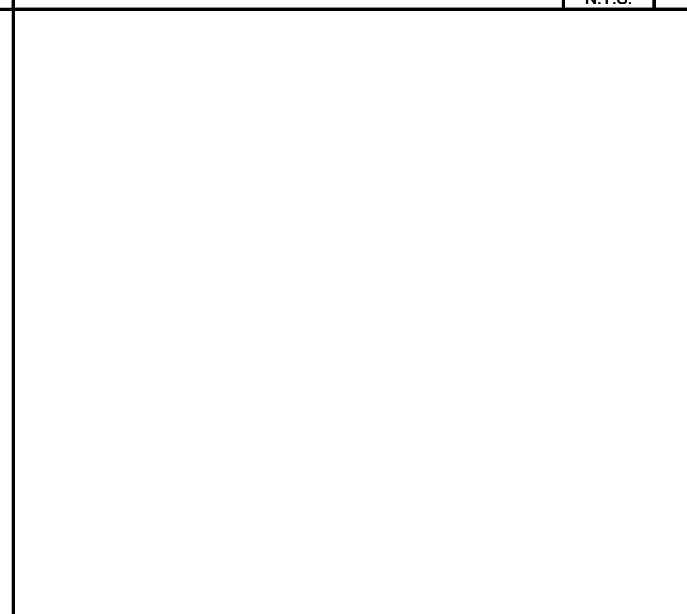
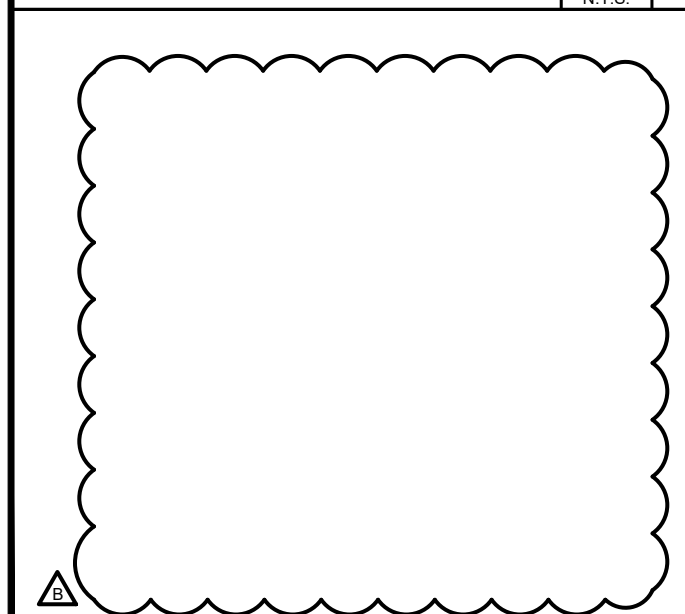
SCALE N.T.S. 5

NOT USED

SCALE N.T.S. 8

NEMA TYPE-3R DISCONNECT

SCALE N.T.S. 11



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 1220 LINCOLN RD
 MIAMI BEACH, FL 33139

SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
EQ-1

NOT USED

SCALE N.T.S. 3

NOT USED

SCALE N.T.S. 6

NOT USED

SCALE N.T.S. 9

MILBANK METER SOCKET

SCALE N.T.S. 12

ENTIRE SHEET 



6391 Sprint Parkway
Overland Park, KS 66211



5449 Bells Ferry Road
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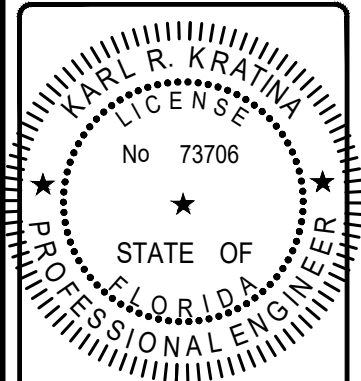
B	11.07.19	UPDATED PER CITY COMMENTS
A	10.21.19	FOR REVIEW

NOT USED
SCALE: NOT TO SCALE

1

NOT USED
SCALE: NOT TO SCALE

3



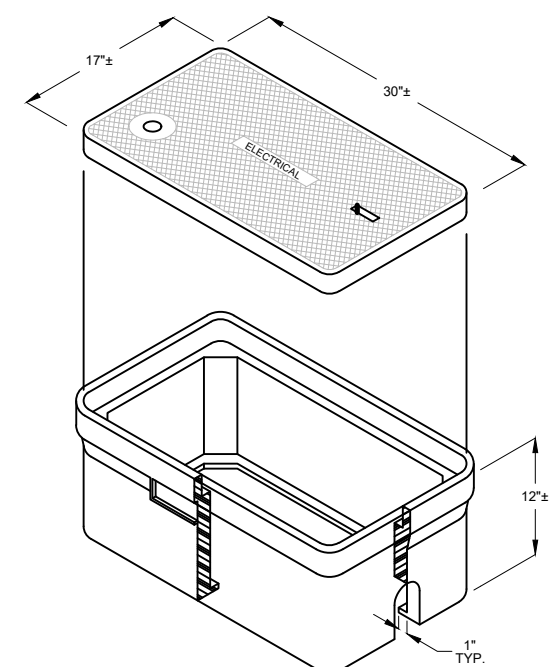
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1220 LINCOLN RD
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SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
EQ-2



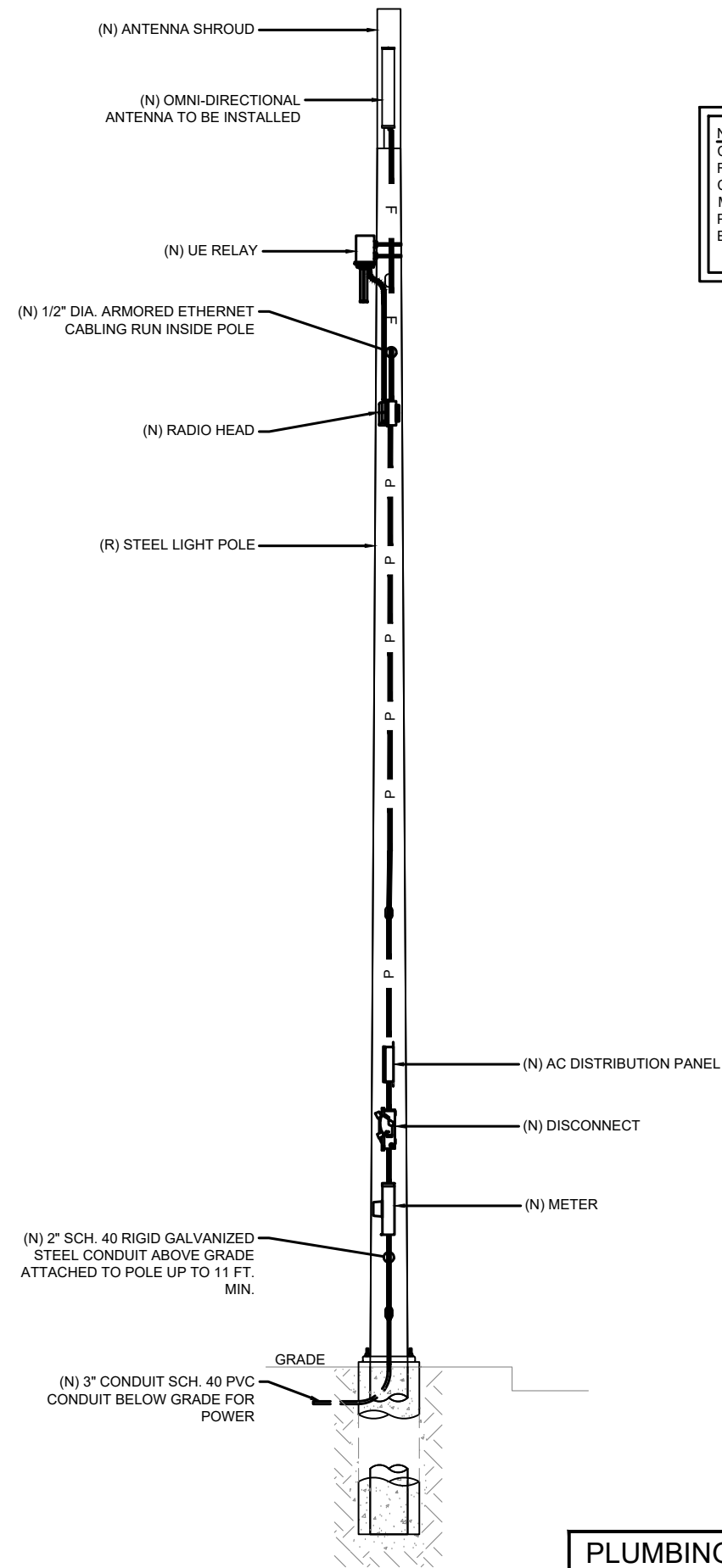
TIER 22 RATED. 22,000 LBS DESIGN LOADING.
UTILIZE HANDHOLE AS APPROVED BY THE CITY.

NOT USED
SCALE: NOT TO SCALE

2

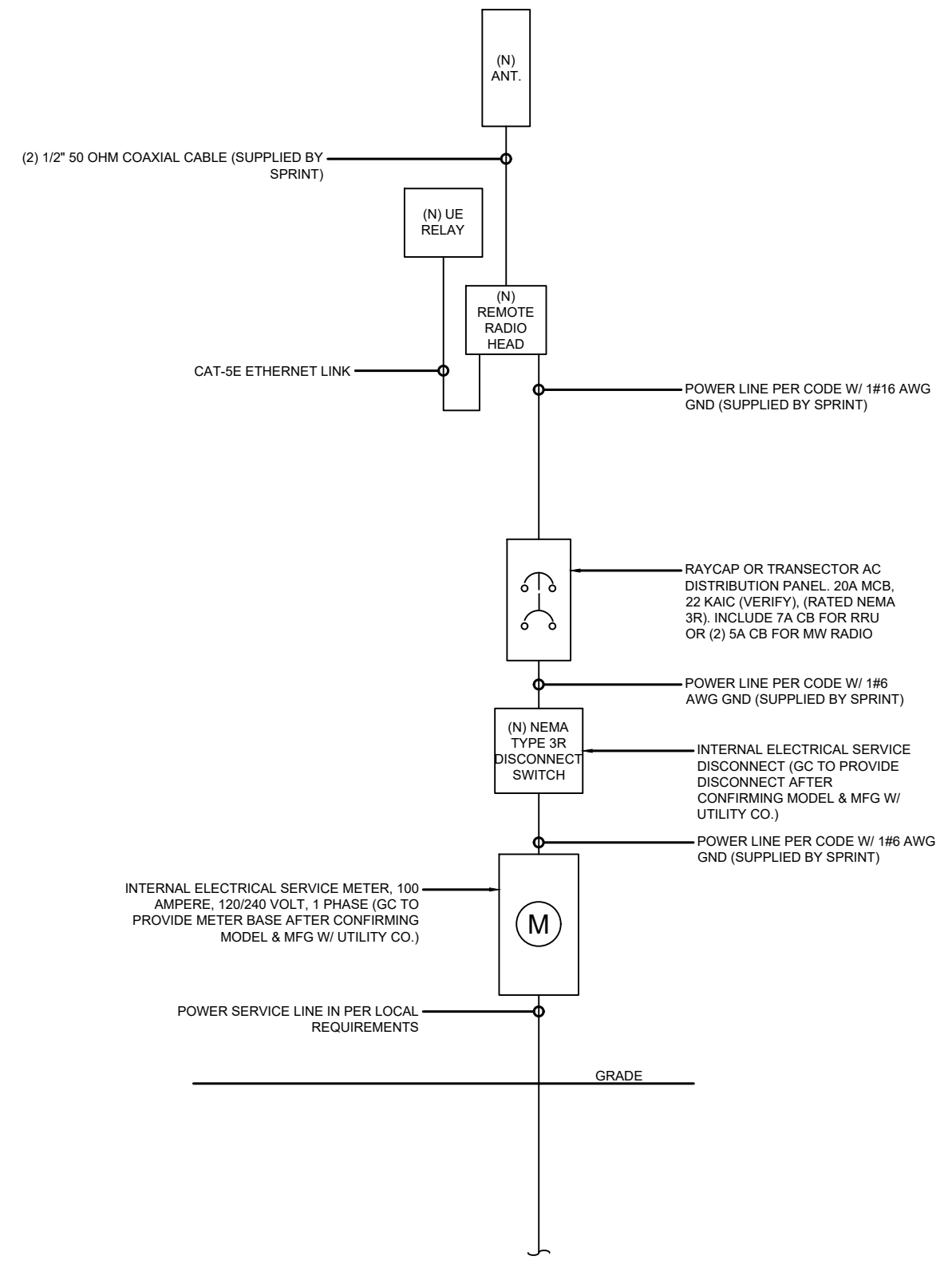
HANDHOLE SPECIFICATION
SCALE: N/A

4



NOTE:
 CABLING DIAGRAM IS FOR CLARITY OF CABLE ROUTE AND TERMINATION ONLY.
 CONTRACTOR SHALL INSTALL CABLES WITH MINIMAL VISUAL IMPACT ON (R) STEEL LIGHT POLE. SEE ELEVATION DRAWING FOR EQUIPMENT AND ANTENNA LOCATIONS.

PLUMBING DIAGRAM
 SCALE: NOT TO SCALE 1



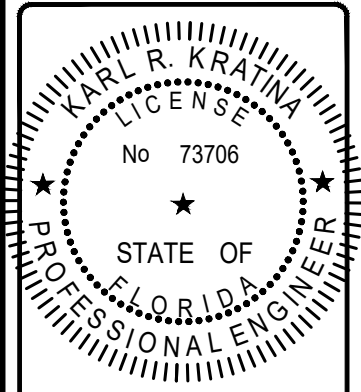
ELECTRICAL ONE-LINE DIAGRAM
 SCALE: NOT TO SCALE 2

Sprint
 6391 Sprint Parkway
 Overland Park, KS 66211

JACOBS
 Jacobs Engineering Group, Inc.
 5449 Bells Ferry Road
 Acworth, Georgia 30102
 770-701-2500 Fax 770-701-2501
 Karl R. Kratina, P.E. 73706

PROJECT NO:	EUSP0101
DRAWN BY:	N. KINCAID
CHECKED BY:	W. WEST

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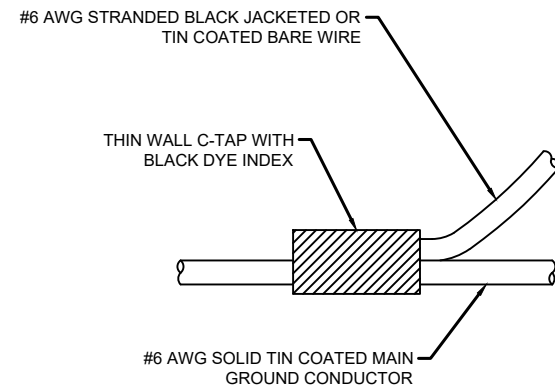
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 1220 LINCOLN RD
 MIAMI BEACH, FL 33139

SHEET TITLE
ELECTRICAL DETAILS

SHEET NUMBER
E-1

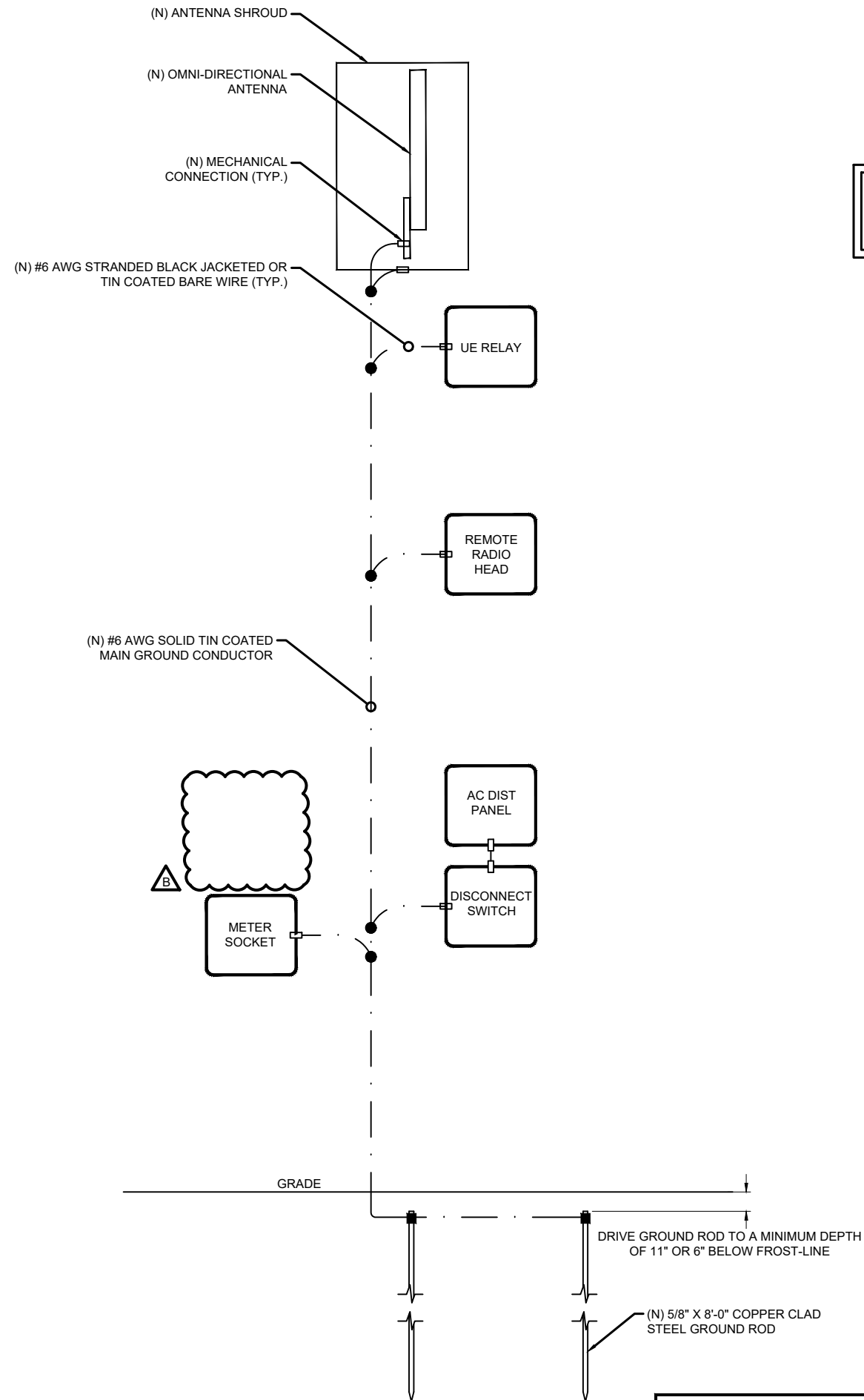
NOTE:
CONTRACTOR TO SURROUND COMPLETED CONNECTION WITH HEAT-SHRINK TUBING TO ENSURE WEATHER PROOF CONNECTION.



C-TAP DETAIL

SCALE: NOT TO SCALE

2



LEGEND

■	CADWELD CONNECTION
□	MECHANICAL CONNECTION
●	COMPRESSION CONNECTION

NOTE:
GROUNDING RISER FOR DIAGRAMMATIC PURPOSES ONLY. SEE ELEVATION DRAWING FOR EQUIPMENT AND ANTENNA LOCATIONS.

- NOTES:**
- ALL RGS TO BE GROUNDED AT BOTH ENDS USING GROUNDING BUSHINGS.
 - GROUND WIRE TO BE RUN IN 1/2" SCHEDULE 40 PVC.

GROUNDING RISER DIAGRAM

SCALE: NOT TO SCALE

1



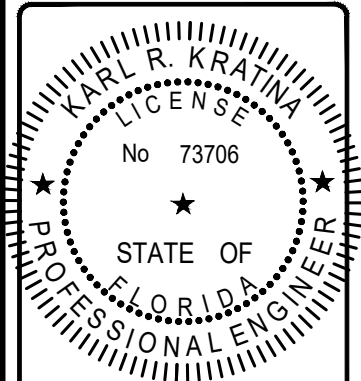
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5449 Bells Ferry Road
Acworth, Georgia 30102
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PROJECT NO:	EUSP0101
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B	11.07.19	UPDATED PER CITY COMMENTS
A	10.21.19	FOR REVIEW



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

M190XSM43-H
1220 LINCOLN RD
MIAMI BEACH, FL 33139

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
G-1

