

RIVERSIDE

SITE DEVELOPMENT PLANS

GENERAL NOTES

GENERAL NOTES ON THE PROJECT PLANS AND DRAWINGS ARE SOLELY TO AID AND ASSIST THE CONTRACTOR WITH THE FIELD OPERATIONS FOR THE PROJECT. SAID GENERAL NOTES MAY NOT FULLY DESCRIBE ALL OF THE REQUIREMENTS FOR AN ITEM. THEREFORE, THE CONTRACTOR SHALL READ AND VERIFY THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO THE PLANS, SPECIFICATIONS, GENERAL TERMS AND CONDITIONS, AND THE SUPPLEMENTAL TERMS AND CONDITIONS, TO FULLY UNDERSTAND AND COMPLY WITH ALL THE REQUIREMENTS THEREIN. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES AND TOPOGRAPHY HAVE BEEN PREPARED FROM INFORMATION AVAILABLE TO THE ENGINEER. THIS INFORMATION IS NOT GUARANTEED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ANY EXISTING UTILITIES AND TOPOGRAPHY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, BY ELECTRONIC METHODS AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

1. GENERAL AND APPLICABLE CODES

- 1.1. GENERAL
ALL CONSTRUCTION, MATERIALS AND TESTING SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF SOUTH FLORIDA WATER MANAGEMENT DISTRICT, THE MUNICIPALITY AND COUNTY HAVING JURISDICTION, AND ALL OTHER LOCAL AND NATIONAL CODES WHERE APPLICABLE. WHEN ANY OF THE GOVERNING REGULATORY AGENCY'S STANDARDS ARE IN CONFLICT, THE MORE STRINGENT OF THE TWO SHALL APPLY.
- 1.2. CONSTRUCTION SAFETY
ALL CONSTRUCTION SHALL BE DONE IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 1.3. TRENCH SAFETY ACT
CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
- 1.4. ALL WORK, MATERIALS AND RESTORATION SHALL CONFORM TO THE COUNTY HAVING JURISDICTION PUBLIC WORK, AND FDOT STANDARDS AND SPECIFICATIONS.
- 1.5. IT IS THE INTENT OF THESE PLANS TO COMPLY WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 1.6. DIMENSIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. FOR EXACT FIELD LAY-OUT OF THE WORK, SEE SITE PLAN PREPARED BY THE ARCHITECT AND SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR.

2. PRECONSTRUCTION RESPONSIBILITIES AND NOTICES

- 2.1. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND FAMILIARIZING HIMSELF WITH THE EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
- 2.2. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL AT 811 CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
- 2.3. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION. EXISTING UTILITY LINES OTHER THAN THOSE INDICATED THIS DRAWING MAY BE ON SITE. IF AN EXISTING UTILITY IS FOUND TO CONFLICT WITH PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER OF RECORD SO APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE CONFLICT.
- 2.4. EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT SHOWN.
- 2.5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH HE FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. HE IS RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED.
- 2.6. THE ENGINEER IS NOT RESPONSIBLE FOR COORDINATING THE WORK OF OTHER UTILITIES, SUB-CONSULTANTS OR TRADES. IT IS THE CONTRACTOR RESPONSIBILITY TO PROVIDE COORDINATION FOR, BUT NOT LIMITED TO, THE LOCATION OF WATER, SEWER, AND DRAINAGE UTILITIES, AS WELL AS THE SERVICES, WITH THE LOCATION OF DRIVEWAYS, RAMPS, LANDSCAPING, OTHER INFRASTRUCTURE IMPROVEMENTS AND OTHER SURFACE FEATURES.
- 2.7. CONTRACTOR SHALL OBTAIN AND KEEP COPIES OF ALL REQUIRED PERMITS ONSITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR WORK PERFORMED WITHOUT PERMITS.
- 2.8. ADDITIONAL COORDINATION FOR UTILITY CONFLICTS, R.F.I.'S AND CONTRACT EXTENDED TIME BEYOND THE ORIGINAL SCOPE OF CONSTRUCTION DURATION MAY RESULT IN ADDITIONAL FEES BILLED BY THE ENGINEER OF RECORD.

3. INSPECTIONS

- 3.1. THE CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION AND THE ENGINEER OF RECORD, IF APPLICABLE, AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS:
 - 3.1.1. STORM DRAINAGE
 - 3.1.2. SANITARY SEWER
 - 3.1.3. WATER SYSTEM
 - 3.1.4. SUBGRADE – SUBMIT AND HAVE APPROVED DENSITIES PRIOR TO PLACEMENT OF ROCK
 - 3.1.5. LIMEROCK BASE – SUBMIT AND HAVE APPROVED DENSITIES AND AS-BUILTS PRIOR TO THE PLACEMENT OF ANY ASPHALT.
 - 3.1.6. ASPHALTIC CONCRETE
 - 3.1.7. FINAL INSPECTION
- 3.2. ALL INSPECTIONS SHALL BE MADE BY THE AUTHORITY HAVING JURISDICTION. THE ENGINEER OF RECORD WILL PROVIDE GENERAL CONSTRUCTION OBSERVATION SERVICES.

4. SHOP DRAWINGS

- 4.1. CONTRACTORS TO SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO ORDERING STRUCTURES AND OTHER MATERIALS.
- 4.2. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION AND ENGINEER OF RECORD FOR SANITARY MANHOLES, CATCH BASINS, FIRE HYDRANTS, VES AND OTHER MECHANICAL/ELECTRICAL EQUIPMENT WITH ASSOCIATED STRUCTURES, INCLUDING ALL DATA, CATALOGUE LITERATURE SHALL BE SUBMITTED FOR WATER AND SEWER PIPES, FITTINGS, AND APPURTENANCES.
- 4.3. PRIOR TO SUBMITTING SHOP DRAWINGS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW AND APPROVE THE DRAWINGS AND SHOP DRAWINGS FROM THE ENGINEER'S PLANS OR SPECIFICATIONS.
- 4.4. INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRED. CATALOGUE LITERATURE WILL NOT BE ACCEPTED FOR PRECAST STRUCTURES.

5. TEMPORARY FACILITIES

- 5.1. TEMPORARY UTILITIES
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY TO HIS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.
- 5.2. TRAFFIC REGULATION
5.2.1. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MUTCD.
5.2.2. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
- 5.2.3. NO TRENCHES OR HOLES NEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION OF THE ENGINEER AND THE AUTHORITY HAVING JURISDICTION.
- 5.2.4. ALL CONSTRUCTION WITHIN FDOT RIGHT-OF-WAYS MUST CONFORM WITH FDOT SPECIFICATIONS, STANDARDS AND PERMIT REQUIREMENTS. NO WORK SHALL COMMENCE WITHIN FDOT RIGHT-OF-WAYS WITHOUT AN FDOT PERMIT. FULL LANE WIDTH RESTORATION TO MATCH EXISTING PAVEMENT SECTION IS REQUIRED IN ACCORDANCE WITH STANDARDS FOR PROPOSED WORK WITHIN FDOT RIGHT-OF-WAYS.
- 5.2.5. CONTRACTOR SHALL PREPARE AND SUBMIT MAINTENANCE OF TRAFFIC PLAN (MOT) WHERE REQUIRED BY FEDERAL, STATE, COUNTY OR LOCAL AGENCIES HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN ALL REQUIRED APPROVALS AND PERMITS ASSOCIATED WITH THE MOT'S. ALL MOT'S ARE TO BE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION CERTIFIED.

6. PROJECT CLOSEOUT

- 6.1. CLEANING OUT
6.1.1. THE CONTRACTOR SHALL RESTORE ALL EXISTING PAVEMENT, UTILITIES, (ABOVE AND BELOW GROUND), AND SURFACE FEATURES DISTURBED DURING CONSTRUCTION TO A CONDITION EQUAL TO, OR BETTER THAN THE EXISTING IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATION.
- 6.1.2. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEP BROOM CLEAN AS DIRECTED BY THE ENGINEER.
- 6.1.3. THE CONTRACTOR SHALL RESTORE OR REPLACE, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT, EMPLOYEES OR THOSE OF HIS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THIS END, THE CONTRACTOR SHALL PERFORM AS REQUIRED ALL NECESSARY HIGHWAY OR DRIVEWAY, WALK, IRRIGATION AND LANDSCAPING WORK. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED, SATISFACTORILY DISPOSED OF DURING PROGRESS OF WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
- 6.1.5. CONTRACTOR SHALL DISPOSE OF ALL SITE DEMOLITION IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
- 6.2. PROJECT RECORD DOCUMENTS
6.2.1. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED.
6.2.2. PRIOR TO THE PLACEMENT OF ANY ASPHALT OR CONCRETE PAVEMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER "AS-BUILT" PLANS SHOWING LIMEROCK BASE GRADES, AND ALL DRAINAGE, WATER AND SEWER IMPROVEMENTS. PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER AND THE APPROVING AGENCY HAS REVIEWED THE "AS-BUILT'S".
- 6.2.3. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR SUBGRADE SHALL BE PROVIDED TO THE ENGINEER AND THE AUTHORITY HAVING JURISDICTION PRIOR TO PLACING LIMEROCK BASE MATERIAL.
- 6.2.4. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR LIMEROCK SHALL BE PROVIDED TO THE ENGINEER AND THE AUTHORITY HAVING JURISDICTION PRIOR TO PLACING ASPHALT.
- 6.2.5. ALL "AS-BUILT" INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO THE SATISFACTION OF THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
- 6.2.6. LAKE AS-BUILTS WILL BE CROSS SECTIONED SHOWING THE DESIGNED SECTION AS DASHED, AS-BUILT SECTION AS SOLID, AND HAVE THE TOP OF BANK REFERENCE TO THE LAKE MAINTENANCE EASEMENT.

SPACING BETWEEN EACH CROSS-SECTION SHALL BE SUCH AS TO PROVIDE ENOUGH DATA TO DETERMINE IF THE LAKE WAS CONSTRUCTED AS DESIGNED. THE INFORMATION PROVIDED HEREON IS NOT GUARANTEED. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD TWO COMPLETE SETS OF "AS-BUILT" CONSTRUCTION DRAWINGS. THESE DRAWINGS SHALL BE MARKED TO SHOW "RECORD DRAWING" OR "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONED LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND SHALL BE SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR. FINAL AS-BUILT INFORMATION SHALL BE SUBMITTED ON AN AUTOCAD & PDF FORMAT AS DIRECTED BY THE ENGINEER.

7. DEWATERING PERMIT

- 7.1. DEWATERING PERMIT IS NOT AVAILABLE FOR THE SITE DEVELOPMENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A DEWATERING PERMIT.

8. UNSUITABLE MATERIAL REMOVAL AND DISPOSAL

- 8.1. CONTRACTOR IS RESPONSIBLE FOR DETERMINATION/INVESTIGATION OF SUBSURFACE CONDITIONS. ALL UNSUITABLE MATERIAL SURFACE AND SUBSURFACE WITHIN AREAS OF CONSTRUCTION IS TO BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. UNSUITABLE MATERIAL INCLUDES BUT IS NOT LIMITED TO: DEBRIS, ORGANICS/MUCK, AND PLASTIC MATERIAL. ALL UNSUITABLE MATERIAL REMOVED SHALL BE REPLACED WITH SUITABLE MATERIAL.

9. GEOTECHNICAL REQUIREMENTS

- 9.1. CONTRACTOR IS RESPONSIBLE FOR DETERMINATION/INVESTIGATION OF SUBSURFACE CONDITIONS.

10. DEMOLITION NOTES

- 10.1. PROPER SAFETY PRECAUTIONS SHALL BE TAKEN TO SEPARATE AREA OF DEMOLITION FROM SURROUNDING PROPERTY.
- 10.2. ALL ASPHALT AND CURB SHALL BE SAWCUT AT THE LIMITS OF DEMOLITION PRIOR TO REMOVAL.
- 10.3. ALL DEMOLITION TO BE PERFORMED IN A MANNER TO ELIMINATE HAZARDS TO PERSONS AND PROPERTY. MINIMIZE INTERFERENCE WITH USE OF ADJACENT AREAS, PROVIDE NON-DISRUPTION OF SERVICES PROVIDED BY EXISTING UTILITIES TO ADJACENT AREAS, AND TO PROVIDE FREE PASSAGE TO AND FROM ADJACENT AREAS OR STRUCTURES.
- 10.4. PRIOR TO AND DURING DEMOLITION, CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING ITEMS TO REMAIN.
- 10.5. DEBRIS RESULTING FROM DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF ON A DAILY BASIS. DISPOSAL OF DEBRIS SHALL BE IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL PERMITS, RULES AND/OR REGULATIONS.
- 10.6. HAZARDOUS MATERIALS, IF PRESENT, SHALL BE DEALT WITH IN A MANNER CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS.
- 10.7. UPON COMPLETION OF DEMOLITION, SITE IS TO BE LEFT IN CLEAN CONDITION FREE OF DEBRIS.
- 10.8. CONTRACTOR TO PROVIDE PROPER SEDIMENT CONTROL AND PROTECTION OF STORM WATER STRUCTURES, BOTH WITHIN AND OUTSIDE THE LIMITS OF DEMOLITION AND P/L, TO PREVENT DEPOSIT OF SEDIMENTS CONVEYED THROUGH RUNOFF OF EXCESS WATER FROM ALL STRUCTURES AS NEEDED.
- 10.9. EXISTING UTILITIES INFORMATION IS PROVIDED FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL UTILITIES SHOWN OR NOT SHOWN PRIOR TO DEMOLITION. CONTRACTOR SHALL HAVE ALL UTILITIES PROPERLY LOCATED PRIOR TO COMMENCEMENT OF DEMOLITION.
- 10.10. BRICK AND GROUT ANY REMAINING HOLE OPENINGS IN EXISTING STRUCTURES AFTER REMOVAL OF ANY PIPE DESIGNATED FOR REMOVAL.

11. EARTHWORK

- 11.3. GENERAL
11.3.1. IT IS ASSUMED THAT STRIPPING OF 6" OF MATERIAL, OR WHAT IS REQUIRED FROM THE WHOLE SITE WILL OCCUR PRIOR TO ANY FILLING OR EXCAVATION.
- 11.3.2. THE CONTRACTOR UNDERSTANDS THAT THE WORK TO BE PERFORMED IS ALL WORK AS NOTED ON THE DRAWINGS AND IS INCLUSIVE. WHETHER STATED IN THE PLANS OR NOT, THE WORK INCLUDES BUT IS NOT LIMITED TO: CLEARING AND GRUBBING, DEMUCKING, DEWATERING (INCLUDING DEWATERING PERMITS), TURBIDITY AND EROSION BARRIERS, ANY AND ALL ORANGE SNOW, FENCING OR OTHER APPROVED METHOD OF DELINEATING AS REQUIRED BY OWNER, ALL DRAINAGE PIPES, ALL ENDWALLS, FILLING SITE WITH STRUCTURAL FILL, EXCAVATING/GRADING LAKES, CONSTRUCTING BERMS, ALL LAKE SLOPING, FINISHED GRADING OF COMMON AREAS, BLANKET FILLING OF THE SITE, COORDINATING ALL REQUIRED DENSITY TESTING WITH SOILS ENGINEER/TESTING LAB, REMOVAL OF ANY AND ALL EXCESS, UNUSABLE, OR UNSUITABLE MATERIAL INCLUDING DASH, SEED AND MULCH ON ALL BERMS AND LAKE SLOPES, MAINTENANCE OF TRAFFIC, AND ANY AND ALL WORK DIRECTED BY THE OWNER OR ENGINEER IN ORDER TO COMPLETE THE WORK ON-SITE AND OFF-SITE.
- 11.3.3. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION AND TURBIDITY BARRIERS PRIOR TO AND DURING CONSTRUCTION TO PREVENT VIOLATION OF STATE WATER QUALITY STANDARDS FOR OFF-SITE DISCHARGES (29 NTU ABOVE BACKGROUND FOR TURBIDITY). THESE BARRIERS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED. SOILS ARE STABILIZED, AND VEGETATION HAS BEEN ESTABLISHED. REFERENCE FLORIDA DEPT. OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS INDEXES 102 AND 103 AND TYPICAL INSTALLATION DETAILS.
- 11.3.4. GRADING FILL SHALL CONSIST OF CLEAN, GRANULAR MATERIALS THAT ARE FREE OF DEBRIS, CINDERS, COMBUSTIBLES, ROOTS, SODS, WOOD, CELLULOSE, ORGANIC MATERIALS, AND MATERIALS SUBJECT TO TERMITE ATTACK. THE ORGANIC CONTENT OF THE FILL SHALL BE LESS THAN 2% (BY WEIGHT). FILL SHALL HAVE LESS THAN 10 PERCENT PASSING THE U.S. STANDARD No. 200 SIEVE (DRY WEIGHT BASIS) AND HAVE NO PARTICLE SIZE LARGER THAN 3 INCHES UNLESS IT CAN BE DEMONSTRATED THAT SUCH PARTICLES CAN BE BROKEN DOWN TO THE MAXIMUM SPECIFIED SIZE UNDER THE TRAFFIC OF THE EARTHWORK SPREADING AND COMPACTATION EQUIPMENT.
- 11.3.5. ALL FILL FOR STRUCTURAL BUILDING PADS SHALL BE CLEAN SAND OR ROCK, FREE OF DEBRIS AND OTHER DELETERIOUS MATERIALS. THE MAXIMUM SIZE OF ROCK WITHIN TWELVE (12) INCHES BELOW THE FLOOR SLAB IN CONCRETE FILL SHALL BE THREE INCHES IN DIAMETER. COMPACTED SOILS SHALL BE TESTED TO A MINIMUM OF 95 % OF MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D 1557 AND COMPACTED AND TESTED IN LIFTS NOT TO EXCEED 12 INCHES (350 mm).
- 11.3.6. FILL FOR LANDSCAPE BERMS, COMMON AREAS, OR OTHER AREAS THAT DO NOT REQUIRE STRUCTURAL FILL SHALL MEET THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 162.
- 11.3.7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REQUEST A COPY OF THE GEOTECHNICAL ENGINEERING SOILS REPORT AND ADHERE TO THE CONDITIONS AND RECOMMENDATIONS STATED WITHIN.
- 11.3.8. NONE OF THE EXISTING MATERIAL IS TO BE INCORPORATED IN THE LIMEROCK BASE.
- 11.3.9. ALL SUB-GRADE UNDER PAVED AREAS SHALL HAVE A MINIMUM LBR VALUE OF 40 AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
- 11.3.10. ALL FILL MATERIAL IN AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
- 11.3.11. A 2" BLANKET OF TOP SOIL SHALL BE PLACED OVER ALL AREAS TO BE SOODED.
- 11.4. ON-SITE
11.4.1. SUITABLE BACKFILL SHALL BE MINIMUM LBR 40 MATERIAL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 THREE (3) FEET BEYOND PERIMETER OF THE PAVING.
- 11.4.2. ALL UNSUITABLE MATERIAL UNDER EXFILTRATION TRENCH LOCATIONS SHALL BE REMOVED AND DISPOSED OF BY CONTRACTOR AS PART OF THIS WORK.

12. FDEP GENERAL WATER NOTES

- 12.1. ALL PIPE, PIPE FITTINGS, PIPE JOINT PACKING AND JOINTING MATERIALS, VALVES, FIRE HYDRANTS AND METERS SHALL BE INSTALLED SHALL CONFORM TO APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS.
- 12.2. ALL PUBLIC WATER SYSTEM COMPONENTS, EXCLUDING FIRE HYDRANTS, THAT WILL COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NST INTERNATIONAL STANDARD 61 AS ADOPTED IN RULE 62-555.335, F.A.C., OR OTHER APPLICABLE STANDARDS, REGULATION OR REQUIREMENTS REFERENCED IN PARAGRAPH 62-333.320(3)(b), F.A.C.
- 12.3. ALL PIPE AND PIPE FITTINGS INSTALLED SHALL BE COLOR CODED OR MARKED IN ACCORDANCE WITH SUBPARAGRAPH 62-555.320(21)(B)3, F.A.C., USING BLUE AS PREDOMINANT COLOR. (UNDERGROUND PLASTIC PIPE SHALL BE SOLID-WALL BLUE PIPE. SHALL HAVE A C-EXTRUDED BLUE EXTERNAL SKIN, OR SHALL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO OR APPLIED TO THE PIPEWALL; AND UNDERGROUND METAL OR CONCRETE PIPE SHALL HAVE BLUE STRIPES AND APPLIED TO THE PIPEWALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE THAT ARE GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPE WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT SHALL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE SHALL BE PAINTED BLUE OR SHALL BE COLOR CODED OR MARKED LIKE UNDERGROUND PIPE.)
- 12.4. NEW OR ALTERED WATER MAINS CONSTRUCTED OF POLYVINYL CHLORIDE PIPE SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C603 OR C605, RESPECTIVELY, AS INCORPORATED INTO RULE 62-555.330, F.A.C. AND ALL OTHER NEW OR ALTERED WATER MAINS SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600 AS INCORPORATED INTO RULE 62-333.330.

13. FDEP GENERAL SEWER NOTES

- 13.1. APPROPRIATE DEFLECTION TESTS ARE SPECIFIED FOR ALL FLEXIBLE PIPE. TESTING IS REQUIRED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS TO PERMIT STABILIZATION OF THE SOIL PIPE SYSTEM. TESTING REQUIREMENTS SPECIFY: 1) NO PIPE SHALL EXCEED A DEFLECTION OF 5% (2) USING A RIGID BALL OR MANDREL FOR THE DEFLECTION TEST WITH A DIAMETER NOT LESS THAN 95% OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE, DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED, AND 3) PERFORMING THE TEST WITHOUT MECHANICAL PULLING DEVICES; THAT: 1) THE LEAKAGE EXFILTRATION OR INFILTRATION DOES NOT EXCEED 100 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE SYSTEM; 2) EXFILTRATION OR INFILTRATION TEST BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET; AND 3) AIR TESTS, AS A MINIMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C924 FOR CONCRETE PIPE, ASTM F-1417 FOR PLASTIC PIPE, AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES.
- 13.3. DESIGN REQUIRES THAT A BENCH BE PROVIDED ON EACH SIDE OF ANY MANHOLE CHANNEL WHEN THE PIPE DIAMETER(S) ARE LESS THAN THE MANHOLE DIAMETER AND THAT NO LATERAL SEWER, SERVICE CONNECTION, OR DROP MANHOLE PIPE DISCHARGES ONTO THE SURFACE OF THE MANHOLE.
- 13.4. DESIGN REQUIRES: 1) MANHOLE LIFT HOLES AND GRADE ADJUSTMENT RINGS BE SEALED WITH NON-SHRINK MORTAR OR OTHER APPROPRIATE MATERIAL; 2) INLET AND OUTLET PIPES BE JOINED TO THE MANHOLE WITH A GASKETED FLEXIBLE WATER TIGHT CONNECTION OR ANOTHER WATER TIGHT CONNECTION ARRANGEMENT THAT ALLOWS DIFFERENTIAL SETTLEMENT OF THE PIPE AND MANHOLE WALL; AND 3) WATER TIGHT MANHOLE COVERS BE USED WHEREVER THE MANHOLE TOPS MAY BE FLOODED BY STRUT RUNOFF OR HIGH WATERS.

- 13.5. MANHOLE INSPECTION AND TESTING FOR WATERTIGHTNESS OR DAMAGE PRIOR TO PLACING INTO SERVICE AREA THE INFORMATION PROVIDED HEREON IS NOT GUARANTEED. IF SPECIFIED, FOR CONCRETE SEWER MANHOLES, CONFORMS TO THE TEST PROCEDURES DESCRIBED IN ASTM C-1244.
- 13.6. SUITABLE COUPLINGS APPROVED BY THE ENGINEER AND COMPLYING WITH ASTM SPECIFICATIONS ARE REQUIRED FOR JOINING DISSIMILAR MATERIALS.

14. GENERAL WATER AND SEWER NOTES

- 14.1. ALL APPLICABLE PERMITS MUST BE OBTAINED AND ALL APPLICABLE FEES AND CHARGES MUST BE PAID PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 14.2. THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES ON THE SITE, A CURRENT SET OF APPROVED CONSTRUCTION PLANS. THE PLANS SHALL BE MADE AVAILABLE TO THE MUNICIPALITY'S ENGINEER OR HIS DESIGNEE UPON REQUEST.
- 14.3. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE APPROVED PLANS. APPROVAL OF PLANS BY THE MUNICIPALITY IN NO WAY IMPLIES VERIFICATION OF THE ACCURACY OF THOSE PLANS OR FEATURES DEPICTED THEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES AND IMPROVEMENTS FROM DAMAGE, DISRUPTION OF SERVICE, OR DESTRUCTION AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES AND UTILITIES. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. ANY AND ALL CONFLICTS WITH EXISTING UTILITIES SHALL BE REPORTED TO THE ENGINEER.
- 14.4. THE CONTRACTOR SHALL INFORM THE MUNICIPALITY'S ENGINEER AT LEAST 48 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION AND/OR CONNECTING TO A MUNICIPAL FACILITY.
- 14.5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SCHEDULING OF, AND PAYMENT FOR, SUCH TESTS AS MAY BE DEEMED NECESSARY BY THE OWNER'S ENGINEER OR THE MUNICIPAL ENGINEER, AND AS CALLED FOR IN THE PLANS AND SPECIFICATIONS.
- 14.6. THE OWNER'S REPRESENTATIVE WILL INFORM THE CONTRACTOR WHEN TO BACK FILL THE WORK, AND WILL WITNESS ALL PRESSURE, BACTERIOLOGICAL AND INFILTRATION/EXFILTRATION TESTS.
- 14.7. NO DEVIATION FROM APPROVED PLANS SHALL BE PERMITTED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
- 14.8. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THESE PLANS WITH ANY PAVING AND DRAINAGE PLANS IN THIS PROJECT WORK AREA.
- 14.9. ALL INSTALLATIONS AND TESTING OF DUCTILE IRON PIPE SHALL COMPLY WITH ANSI/AWWA C-600-99 (OR CURRENT EDITION).
- 14.10. COATINGS AND LININGS (DIP):
14.10.1. DUCTILE IRON PIPE AND FITTINGS FOR UNDERGROUND SERVICE SHALL RECEIVE AN EXTERIOR BITUMINOUS COATING OF COAL TAR VARNISH OR ASPHALT BASE PAINT, 1.0-MIL FILM THICKNESS IN ACCORDANCE WITH ANSI/AWWA C104/A21.4-02.
14.10.2. EXPOSED DUCTILE IRON PIPE AND FITTINGS FOR SERVICE SHALL RECEIVE A FACTORY APPLIED EXTERIOR COATING OF UNIVERSAL RUST-INHIBITIVE PRIMER, 2.0 MILS DRY FILM THICKNESS.
14.10.3. DUCTILE IRON PIPE AND FITTINGS FOR WASTEWATER SERVICE SHALL RECEIVE A FACTORY APPLIED INTERIOR CERAMIC EPOXY COATING WITH A MINIMUM DRY THICKNESS OF 40 MILS IN ACCORDANCE WITH ANSI A21.4-03 PROTECTO 401 OR APPROVED EQUAL.
14.10.4. DUCTILE IRON PIPE AND FITTINGS FOR WATER AND REUSE SERVICE SHALL RECEIVE AN EXTERIOR COATING AS SPECIFIED ABOVE AND SHALL BE CEMENT MORTAR LINED AND BITUMINOUS SEALED IN ACCORDANCE WITH ANSI A21.4.
- 14.11. WASTEWATER APPLICATIONS:
14.11.1. PVC
14.11.1.1. FOR GRAVITY SEWER ONLY SDR 26 PVC
14.11.2. DIP
14.11.2.1. PRESSURE CLASS 350 FOR 4"-24" DIAMETER PIPE
14.11.2.2. PRESSURE CLASS 250 FOR 30" OR GREATER DIAMETER PIPE
14.11.2.3. CLASS 53 FOR FLANGED APPLICATIONS
14.12. FORCE MAINS SHALL BE TESTED IN ACCORDANCE WITH AWWA STANDARD C-600 LATEST REVISION. THE COMPLETE SYSTEM SHALL BE HYDROSTATICALLY TESTED UNDER A MINIMUM CONSTANT PRESSURE OF 150 PSI, FOR A MINIMUM OF 2 HOURS. A LEAKAGE TEST SHALL BE PERFORMED AT THE ABOVE MENTIONED PRESSURE UNTIL THE LEAKAGE IS LESS THAN THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FORMULA:
$$L = \frac{SD \cdot P^{-1/2}}{148,000}$$

SITE:

L = ALLOWABLE LEAKAGE IN GPH
D = NOMINAL PIPE DIAMETER IN INCHES
S = LENGTH OF PIPE IN FEET BEING TESTED
P = AVERAGE TEST PRESSURE IN PSI

NOTE:

THE SECTION OF MAIN BEING TESTED SHALL BE LIMITED TO A MAXIMUM LENGTH OF 2000'.

16. WATER SYSTEM NOTES

- 16.1. ALL WATER MAINS LARGER THAN 12" SHALL BE DUCTILE IRON PIPE (DIP). ALL PIPE MATERIAL SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:
16.1.1. PVC (NOT ALLOWED)
16.1.1.1. 4" AND 6" DIA. CLASS 200, DR14
16.1.1.2. 8" AND 12" DIA. CLASS 150, DR18 ANSI/AWWA C900-07
16.1.2. DIP
16.1.2.1. 15.1.1.1. ANSI/AWWA C151/A21.51 - 02 AND CEMENT MORTAR LINED AND SEALED PER ANSI/AWWA C104/A21.4-02
16.1.2.2. PRESSURE CLASS 350 FOR 4"-24" DIAMETER PIPE
16.1.2.3. PRESSURE CLASS 250 FOR 30" OR GREATER DIAMETER PIPE
16.1.2.4. CLASS 53 FOR FLANGED APPLICATIONS
16.2. ALL DUCTILE IRON PIPE WATER MAINS SHALL BE INSTALLED WITH A MINIMUM CLEAR COVER OF 30 INCHES.
16.3. ALL TRENCHING, PIPE-LAYING, BACKFILL, PRESSURE TESTING AND DISINFECTING MUST COMPLY WITH THE COUNTY OFFICE MINIMUM CONSTRUCTION REQUIREMENTS.
- 16.4. ALL FITTINGS SHALL BE CAST IRON OR DUCTILE IRON MEETING ANSI/AWWA C-110/A21.10-03 SPECIFICATIONS, WITH 250 PSI MINIMUM WORKING PRESSURE. FITTINGS MUST BE CEMENT LINED AND SEAL COATED PER ANSI/AWWA C151/A21.51-02 AND C-104/A21.4-03.
- 16.5. GATE VALVES 4 INCH AND LARGER SHALL BE RESILIENT SEAT AND SHALL MEET ANSI/AWWA C-509-01 SPECIFICATIONS (LATEST REVISION). VALVES SHALL BE MUELLER OR APPROVED EQUAL.
- 16.6. FIRE HYDRANTS SHALL BE REQUIRED BY THE MUNICIPAL AUTHORITY AND AT A MINIMUM SHALL BE TRAFFIC BREAKAWAY TYPE MUELLER, CENTURION MODEL NO. A-423 OR APPROVED EQUAL AND SHALL BE INSTALLED WITH THE CENTER OF THE HOSE NOZZLE 18" ABOVE FINISHED GRADE OR PER AUTHORITY HAVING JURISDICTION DETAILS.
- 16.7. WHEN PVC PIPE IS USED FOR WATER MAINS, A 14-GAUGE MULTISTRAND COPPER WIRE OR APPROVED EQUAL MATERIAL SHALL BE INSTALLED CONTINUOUSLY ALONG THE LENGTH OF THE PIPE. THE WIRE SHALL BE BROUGHT UP AND A MINIMUM OF FOUR FEET OF EXCESS WIRE SHALL BE COILED AT EACH VALVE. A GREEN LOCATOR (MODEL NO. 1253 AS MANUFACTURED BY AUTOMATION PRODUCTS CO.) OR APPROVED EQUAL SHALL BE INSTALLED AT EVERY WATER MAIN VALVE.
- 16.8. THE COMPLETE WATER SYSTEM SHALL BE HYDROSTATICALLY TESTED UNDER A MINIMUM CONSTANT PRESSURE OF 150 PSI FOR A MINIMUM 2 HOURS TEST AND SHALL NOT EXCEED THE LEAKAGE REQUIREMENTS AS PER ANSI/AWWA SPECIFICATIONS C600-05 IN ACCORDANCE WITH THE FOLLOWING LEAKAGE FORMULA:
$$L = \frac{SD \cdot P^{-1/2}}{148,000}$$

WHERE:

L = ALLOWABLE LEAKAGE IN GPH
D = NOMINAL PIPE DIAMETER IN INCHES
S = LENGTH OF PIPE IN FEET BEING TESTED
P = AVERAGE TEST PRESSURE IN PSI

NOTE: THE SECTION OF MAIN BEING TESTED SHALL BE LIMITED TO A MAXIMUM LENGTH OF 2000'. NO ALLOWABLE LEAKAGE SHALL BE PERMITTED FOR FIRE HYDRANTS.

- 16.1. DISINFECTION OF WATER MAINS SHALL COMPLY WITH ANSI/AWWA C-651-05 STANDARD.
- 16.14. THE CONTRACTOR SHALL SUPPLY AND INSTALL APPROVED REFLECTIVE MARKERS IN THE STREET DRIVING LANE ADJACENT TO ALL FIRE HYDRANTS. COLOR AND LOCATION SHALL BE DIRECTED BY THE ENGINEER.
- 16.15. PAVING RESTORATION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- 16.16. ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320, F.A.C.
- 16.17. RESTRAINED JOINT PIPE SHALL BE USED FOR ALL BENDS, TEES, CROSSES, PLUGS AND FIRE HYDRANTS PER THE STANDARD DETAILS AND MUNICIPAL UTILITY REQUIREMENTS.

17. PAVING

- 17.17. GENERAL
17.17.1. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE LIMEROCK BASE AND PRIOR TO THE PLACEMENT OF THE PAVEMENT.
17.17.2. SUBGRADE MATERIAL SHALL HAVE A MINIMUM LBR OF 40 AND INSTALLED AT 98% AASHTO T-180 SPECS. (INCLUDES STABILIZATION OF ROADWAY SHOULDERS)
17.17.3. PRIME COAT AND TACK COAT SHALL MEET FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS.
17.17.4. PRIME COAT SHALL BE PLACED ON ALL LIMEROCK BASES IN ACCORDANCE WITH FDOT STANDARDS.
17.17.5. TACK COAT SHALL BE PLACED AS REQUIRED IN ACCORDANCE WITH FDOT STANDARDS.
- 17.18. TESTING
17.18.1. ALL SUBGRADE, LIMEROCK AND ASPHALT TESTS REQUIRED SHALL BE TAKEN AT THE DIRECTION OF THE ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION.
- 17.19. PAVERS
17.19.1. ALL PAVER MATERIAL, INSTALLATION AND MAINTENANCE SPECIFICATIONS SHALL MEET THE REQUIREMENTS OF THE MANUFACTURER AND/OR THE AUTHORITY HAVING JURISDICTION.

NOTES CONTAINED HEREON ARE GENERAL IN NATURE. FOR ANY CONTRADICTION BETWEEN THESE GENERAL NOTES AND THE UTILITY OWNER'S STANDARD DETAILS AND NOTES, THE UTILITY OWNER'S NOTES AND DETAILS GOVERN.



LOCATION MAP

SCALE 1"=300'

LEGAL DESCRIPTION:
LOT 13, BLOCK 6, LAKESIDE, ACCORDING TO THE MAP OR PLAT THEREOF,
AS RECORDED IN PLAT BOOK 23, PAGE(S) 38, OF THE PUBLIC RECORDS
OF BROWARD COUNTY, FLORIDA.

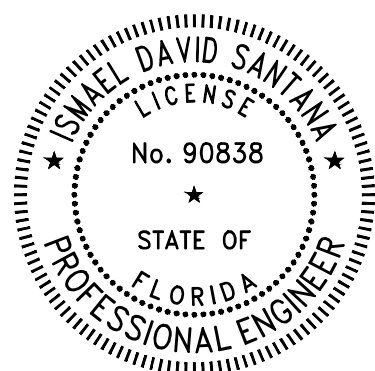
PARCEL ID: 494306120560

SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
C-0.0	COVER SHEET
C-1.0	PAVING, GRADING & DRAINAGE
C-1.1	DRAINAGE DETAILS
C-2.0	SITE UTILITY PLAN
C-2.1	WATER & SEWER DETAILS
C-2.2	WATER & SEWER DETAILS
C-2.3	WATER & SEWER DETAILS
C-3.0	SITE GEOMETRY, MARKING & SIGNAGE PLAN
C-3.1	GENERAL CONSTRUCTION DETAILS

THINKQ ENGINEERING, LLC

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5226 SW 139th PLACE MIAMI, FLORIDA 33175
MOBILE: (786) 491-8545



APPROVED: _____ DATE: _____
FLA. REGISTRATION NO. ISMAEL DAVID SANTANA, P.E.
90838 12/26/2024

This item has been digitally signed and sealed by Ismael David Santana, P.E. 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.

REVISIONS:

SHEET NAME:

COVER SHEET

SHEET NUMBER:

C-0.0

PROJECT NAME:

RIVERSIDE