

CONSTRUCTION PLANS

FOR

PROVIDENCE N27 MASS GRADING (PRIVATE ROADWAY)

LOCATED IN SECTION 12, TOWNSHIP 26S, RANGE 27E
POLK COUNTY, FLORIDA

SWFWMD
NOVEMBER 2022

OWNER/DEVELOPERS:

APPLIED BUILDING DEVELOPMENT
COMPANY - OAKHILLS, INC.

Applied Building Development Company - Oakhills, Inc.
131 Chadwick Drive
Davenport, Florida 33837
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109 S. KENTUCKY AVENUE
LAKELAND, FL 33801
Tel: (863) 701-8702

SURVEYOR:

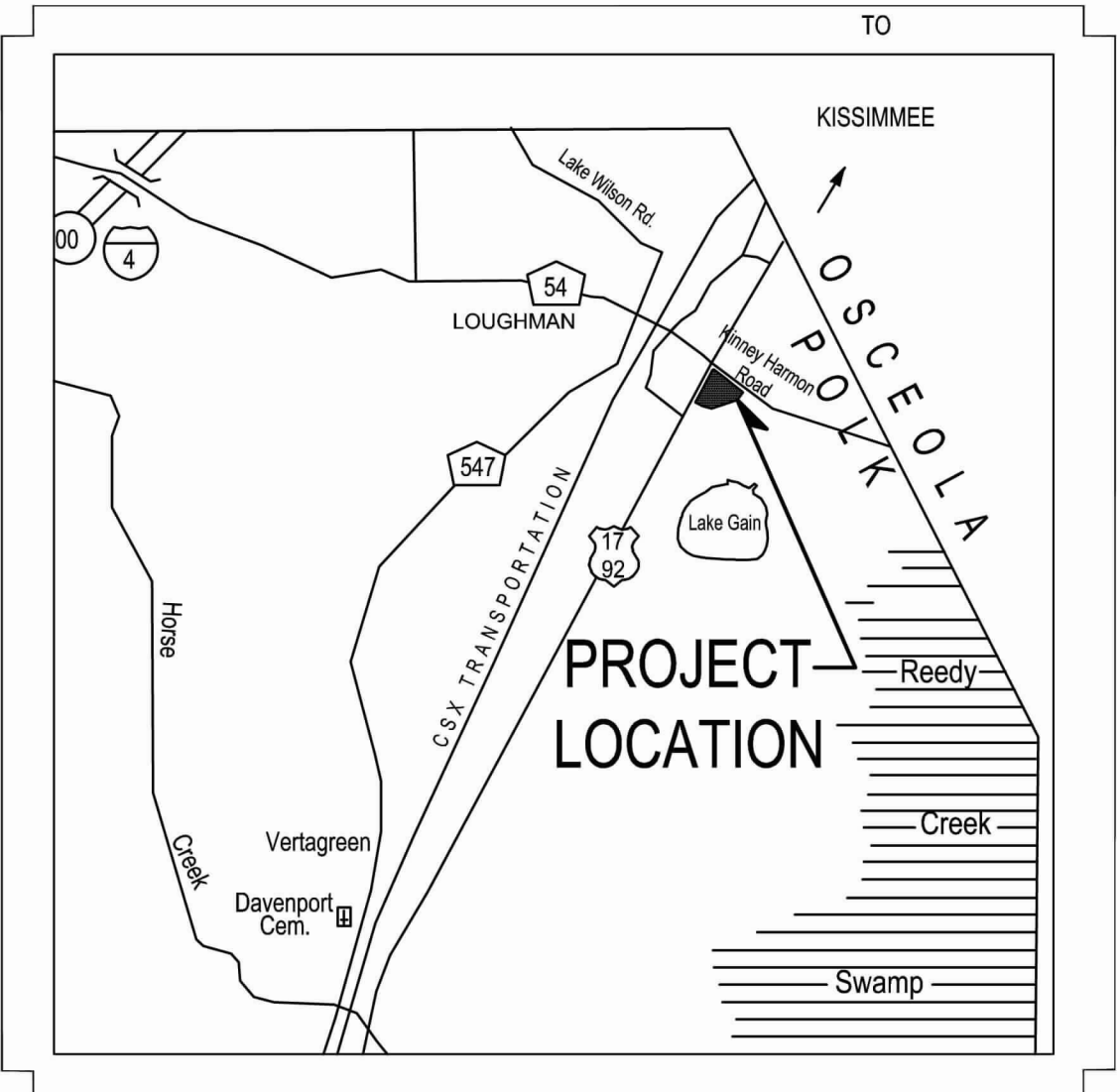
GANUNG-BELTON ASSOCIATES, INC.

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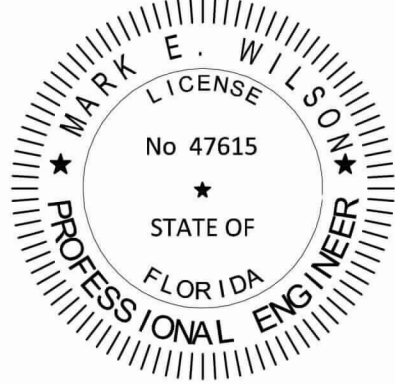


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THIS ITEM HAS BEEN DIGITALLY SIGNED AND
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Digitally
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Mark E. Wilson
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- POLK COUNTY LAND DEVELOPMENT DIVISION STANDARD NOTES
1. TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED PRIOR TO OPENING A NEW OR MODIFIED ROAD.
 2. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF APPENDIX A OF THE POLK COUNTY LAND DEVELOPMENT CODE AND THE POLK COUNTY UTILITIES CODE, AS APPLICABLE.
 3. CHANGES FROM PLANS OR SPECIFICATIONS SUBSTANTIALLY AFFECTING CONFORMANCE TO STANDARDS OR PERFORMANCE OF SYSTEMS MUST BE SUBMITTED IN A WRITTEN REQUEST BY THE ENGINEER OF RECORD AND RECEIVE WRITTEN APPROVAL BY THE COUNTY ENGINEER PRIOR TO THE IMPLEMENTATION OF SUCH CHANGES, UNLESS OTHERWISE PROVIDED FOR IN THE POLK COUNTY LAND DEVELOPMENT CODE OR THE POLK COUNTY UTILITIES CODE. MAJOR MODIFICATIONS MAY REQUIRE AN APPROVAL BY THE DEVELOPMENT REVIEW COMMITTEE. IN SUCH CASES, THE APPLICANT SHALL SUBMIT THE APPROPRIATE APPLICATION AND FEES FOR A NEW REVIEW AT THE LEVEL OF THE ORIGINAL APPROVAL, OR LEVEL 2, WHICHEVER IS GREATER.
 4. THE CONTRACTOR SHALL NOTIFY POLK COUNTY INSPECTIONS STAFF (863) 534-6449, AT LEAST FIVE (5) WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND PRIOR TO ANY ACTIVITY REQUIRING INSPECTION, INCLUDING SITE PAVING.
 5. TO SCHEDULE THE REQUIRED PRE-CONSTRUCTION MEETING, THE ENGINEER OF RECORD SHALL CONTACT THE POLK COUNTY LAND DEVELOPMENT DIVISION, OFFICE OF THE COUNTY ENGINEER AT (863) 534-6449.
 6. AT THE COMPLETION OF CONSTRUCTION, AND PRIOR TO BENEFICIAL USE OF ANY FACILITY OR SYSTEM, AS-BUILT RECORD DRAWINGS SHALL BE SUBMITTED AND APPROVED IN ACCORDANCE WITH POLK COUNTY UTILITIES CODE, CHAPTER 2, PART 3.01 AND THE POLK COUNTY LAND DEVELOPMENT CODE, APPENDIX A, SECTION A406.6.
 7. NOT FOR THE PROJECT WILL BE IN ACCORDANCE WITH THE CURRENT FDOT TRAFFIC CONTROL REQUIREMENTS THROUGH WORK ZONES, SECTION 102-600 SERIES, OF THE FDOT STANDARD PLANS.
 8. THE ASPHALT PAVEMENT WILL EXTEND ¼ INCH ABOVE THE ROAD SIDE EDGE FOR ALL CURB AND GUTTER CONSTRUCTED ON PUBLIC OR PRIVATE ROADS.
 9. POLK COUNTY IS NOT RESPONSIBLE FOR DESIGN AND/OR PLAN ERRORS. ALL CONSTRUCTION WITHIN POLK COUNTY ROW SHALL BE IN ACCORDANCE WITH POLK COUNTY AND FDOT STANDARDS AND SPECIFICATIONS. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF APPENDIX A OF THE POLK COUNTY LAND DEVELOPMENT CODE AND THE POLK COUNTY UTILITIES CODE, AS APPLICABLE.

NOTE
CONSTRUCTION MATERIALS QUALITY AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH POLK COUNTY AND FDOT SPECIFICATIONS AND STANDARDS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

NOTE
POTABLE WATER, RECLAIMED WATER AND WASTE WATER COLLECTION SYSTEMS WILL BE OWNED BY POLK COUNTY UTILITY WITHIN R/W OR WITHIN EASEMENTS

THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED UNDER THE DIRECTION OF A FLORIDA REGISTERED SURVEYOR. AUTOCAD FILES WILL BE FURNISHED TO AID IN THE SITE CONSTRUCTION STAKEOUT. ANY DISCREPANCIES FOUND BETWEEN AUTOCAD FILES AND SITE CONSTRUCTION PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO THAT STAKEOUT.

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DIAL 811
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

811
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Kimley»Horn

Registry No. 35106

MARK E. WILSON, P.E.
FL. P.E. NO. 47615
ENGINEER'S PROJECT NO.: 049853

PERMITTED DRAWINGS SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD)
For Construction permits, the permittee shall notify, in writing, the
SWFWMD Tampa Regulation Department when construction begins.
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GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION) AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.
- EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME, IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. A LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
- ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
- ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTORS RESPONSIBILITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
- ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED.
- ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

MAINTENANCE

ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
- ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED. FOR MAINTENANCE REQUIREMENTS REFER TO SECTION 981 OF THE STANDARD SPECIFICATIONS.
- SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
- THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
- OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 55 CUBIC YARDS / ACRE.
- ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

PAVING, GRADING AND DRAINAGE NOTES

- ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN COUNTY'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS. WHICHEVER IS MOST RESTRICTIVE OF THE TWO.
- ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.
- TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
- ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.
- ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
- WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
- WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.
- STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
- FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED OR SEEDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE LANDSCAPING PLAN.
- ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.
- SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
- THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.
- THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
- THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.

DEMOLITION NOTES

- ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
- REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
- THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN FOR DEMOLITION/PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.

WATER AND SEWER UTILITY NOTES

- THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES GRAVITY SEWER LINES AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.
- DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.
- ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.
- ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- UNDERGROUND LINES SHALL BE SURVEYED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR BEFORE BACK FILLING.
- CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.

EROSION CONTROL NOTES

- THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THIS EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS OF THE SWPPP, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.
- EROSION CONTROL PLAN MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.

EROSION CONTROL NOTES (CONT.)

- STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED IN THESE AREAS. REFER TO SECTION 981 OF THE STANDARD SPECIFICATIONS FOR SEEDING AND MAINTENANCE REQUIREMENTS.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.
- ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

POLK COUNTY LAND DEVELOPMENT DIVISION
STANDARD NOTES

- TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED PRIOR TO OPENING A NEW OR MODIFIED ROAD.
- ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF APPENDIX A OF THE POLK COUNTY LAND DEVELOPMENT CODE AND THE POLK COUNTY UTILITIES CODE, AS APPLICABLE.
- CHANGES FROM PLANS OR SPECIFICATIONS SUBSTANTIALLY AFFECTING CONFORMANCE TO STANDARDS OR PERFORMANCE OF SYSTEMS MUST BE SUBMITTED IN A WRITTEN REQUEST BY THE ENGINEER OF RECORD AND RECEIVE WRITTEN APPROVAL BY THE COUNTY ENGINEER PRIOR TO THE IMPLEMENTATION OF SUCH CHANGES, UNLESS OTHERWISE PROVIDED FOR IN THE POLK COUNTY LAND DEVELOPMENT CODE OR THE POLK COUNTY UTILITIES CODE. MAJOR MODIFICATIONS MAY REQUIRE REVIEW AND APPROVAL BY THE DEVELOPMENT REVIEW COMMITTEE. IN SUCH CASES, THE APPLICANT SHALL SUBMIT THE APPROPRIATE APPLICATION AND FEES FOR A NEW REVIEW AT THE LEVEL OF THE ORIGINAL APPROVAL, OR LEVEL 2 WHICHEVER IS GREATER.
- SHALL NOTIFY POLK COUNTY INSPECTIONS STAFF (863) 534-6449, AT LEAST FIVE (5) WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND PRIOR TO ANY ACTIVITY REQUIRING INSPECTION, INCLUDING SITE PAVING.
- TO SCHEDULE THE REQUIRED PRE- CONSTRUCTION MEETING, THE ENGINEER OF RECORD SHALL CONTACT THE POLK COUNTY LAND DEVELOPMENT DIVISION, OFFICE OF THE COUNTY ENGINEER @ (863) 534-6449.
- AT THE COMPLETION OF CONSTRUCTION, AND PRIOR TO BENEFICIAL USE OF ANY FACILITY OR SYSTEM, AS-BUILT RECORD DRAWINGS SHALL BE SUBMITTED AND APPROVED IN ACCORDANCE WITH POLK COUNTY UTILITIES CODE, CHAPTER 2, PART 3.01 AND THE POLK COUNTY LAND DEVELOPMENT CODE, APPENDIX A, SECTION A406.C.
- MOT FOR THE PROJECT WILL BE IN ACCORDANCE WITH THE CURRENT FDOT TRAFFIC CONTROL REQUIREMENTS THROUGH WORK ZONES, SECTION 600, OF THE FDOT DESIGN STANDARDS.
- THE ASPHALT PAVEMENT WILL EXTEND ¼ INCH ABOVE THE ROAD SIDE EDGE FOR ALL CURB AND GUTTER CONSTRUCTED ON PUBLIC OR PRIVATE ROADS.

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PROVIDENCE N27 MASS
GRADING
PREPARED FOR
APPLIED BUSINESS DEVELOPMENT
COMPANY-OAKHILLS, INC.
POLK COUNTY
FLORIDA

Kimley»Horn

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PHONE: 863-701-8702
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KHA PROJECT
049853

DATE
NOV. 2022

SCALE AS SHOWN

DESIGNED BY

DRAWN BY

CHECKED BY

MARK E. WILSON
P.E. #47615
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS

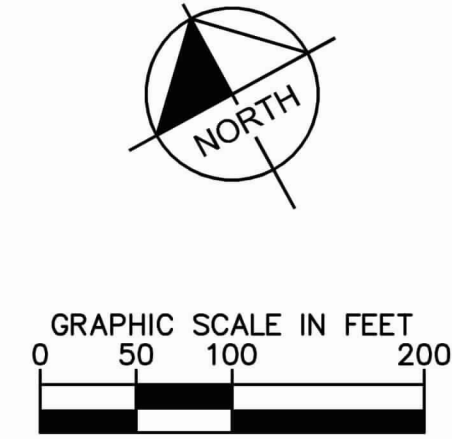
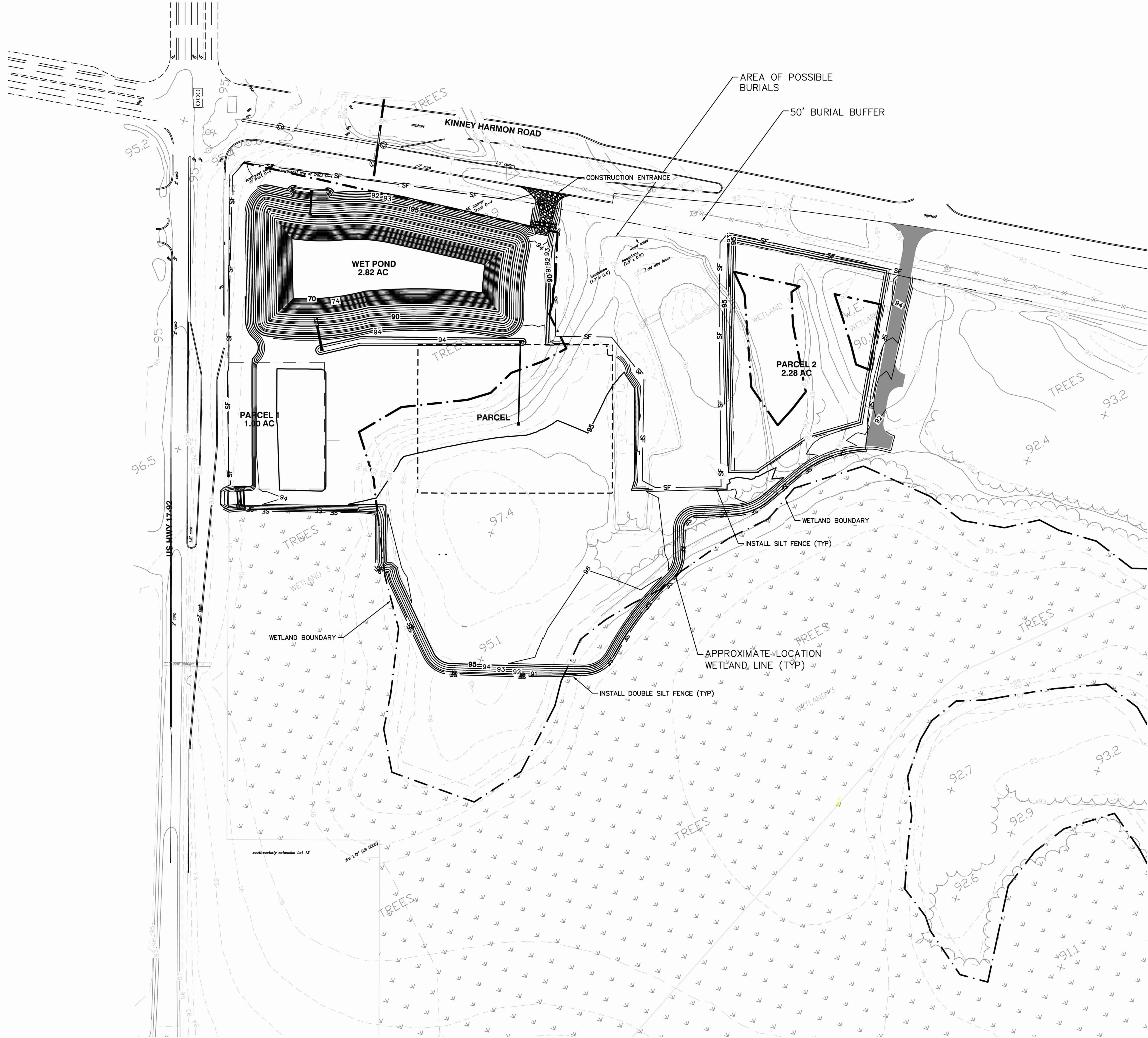
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SHEET NUMBER

C200



Plotted By: Bayd, Griffin Street Set: 049853-Providence N27-Layout: C300 BEST MANAGEMENT PRACTICES PLAN - August 11, 2023 12:36:29pm K:\Vek-e\049853\001 - Providence N27\CADD\CONSTR\C300 BEST MANAGEMENT PRACTICES PLAN.dwg
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- LEGEND
- SF SILT FENCE
 - INLET PROTECTION

- NOTES:
- CONSTRUCTION TESTING AND CONSTRUCTION STAKING ARE OWNER'S RESPONSIBILITY TO PROVIDE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THESE SERVICES DURING CONSTRUCTION.
 - THE LOCATION OF EXISTING UTILITIES IS APPROXIMATE AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THEIR EXACT LOCATION PRIOR TO CONSTRUCTION IN THEIR VICINITY.
 - THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA PRIOR TO CONSTRUCTION.
 - ALL CONSTRUCTION LAYOUT AND STAKING IS TO BE PERFORMED UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR.
 - SLOPES OF 4:1 AND GREATER ARE TO BE SODDED. ALL OTHER DISTURBED AREAS ARE TO BE STABILIZED WITH SEED AND MULCH.
 - EROSION CONTROL OR SEDIMENTATION BARRIER: THE CONTRACTOR IS TO PROVIDE EROSION CONTROL OR SEDIMENTATION BARRIER (HAY BALES OR SILT SCREEN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, DETENTION PONDS, STORM SEWERS AND WATERWAYS, AND TO MAINTAIN THE EROSION CONTROL OR SEDIMENTATION BARRIER IN AN EFFECTIVE WORKING MANNER FOR THE DURATION OF CONSTRUCTION. ADDITIONALLY, CONTRACTOR MAY PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ACCESS THE SITE. IF, IN THE OPINION OF THE ENGINEER AND/OR THE LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF SOIL ARE TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE SAID SOIL AND REPAIR THE DAMAGED OR INEFFECTIVE EROSION CONTROL OR SEDIMENTATION BARRIER TO THE SATISFACTION OF THE ENGINEER AND/OR THE LOCAL AUTHORITIES. SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE-HALF THE DEPTH OF THE SEDIMENTATION BARRIER SHALL BE IMMEDIATELY REMOVED AND REPLACED IN UPLAND AREAS.
 - PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY W/ FLA. STATUTE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.

- BEST MANAGEMENT PRACTICES:
- THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF LOCAL, STATE, AND FEDERAL REGULATIONS. THE PLAN ADDRESSES THE FOLLOWING AREAS:
- GENERAL EROSION CONTROL.
 - PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION.
 - CONTROL OF WIND EROSION.
- THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDICATE THE APPROPRIATE SITUATION WHEN THE TECHNIQUES SHOULD BE EMPLOYED. IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN FOOT EROSION AND SEDIMENT CONTROL MANUAL AND AS NECESSARY FOR EACH SPECIFIC APPLICATION.

CALL 2 BUSINESS DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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PROVIDENCE N27 MASS GRADING
PREPARED FOR
APPLIED BUSINESS DEVELOPMENT COMPANY-OAKHILLS, INC.
FLORIDA
POLK COUNTY

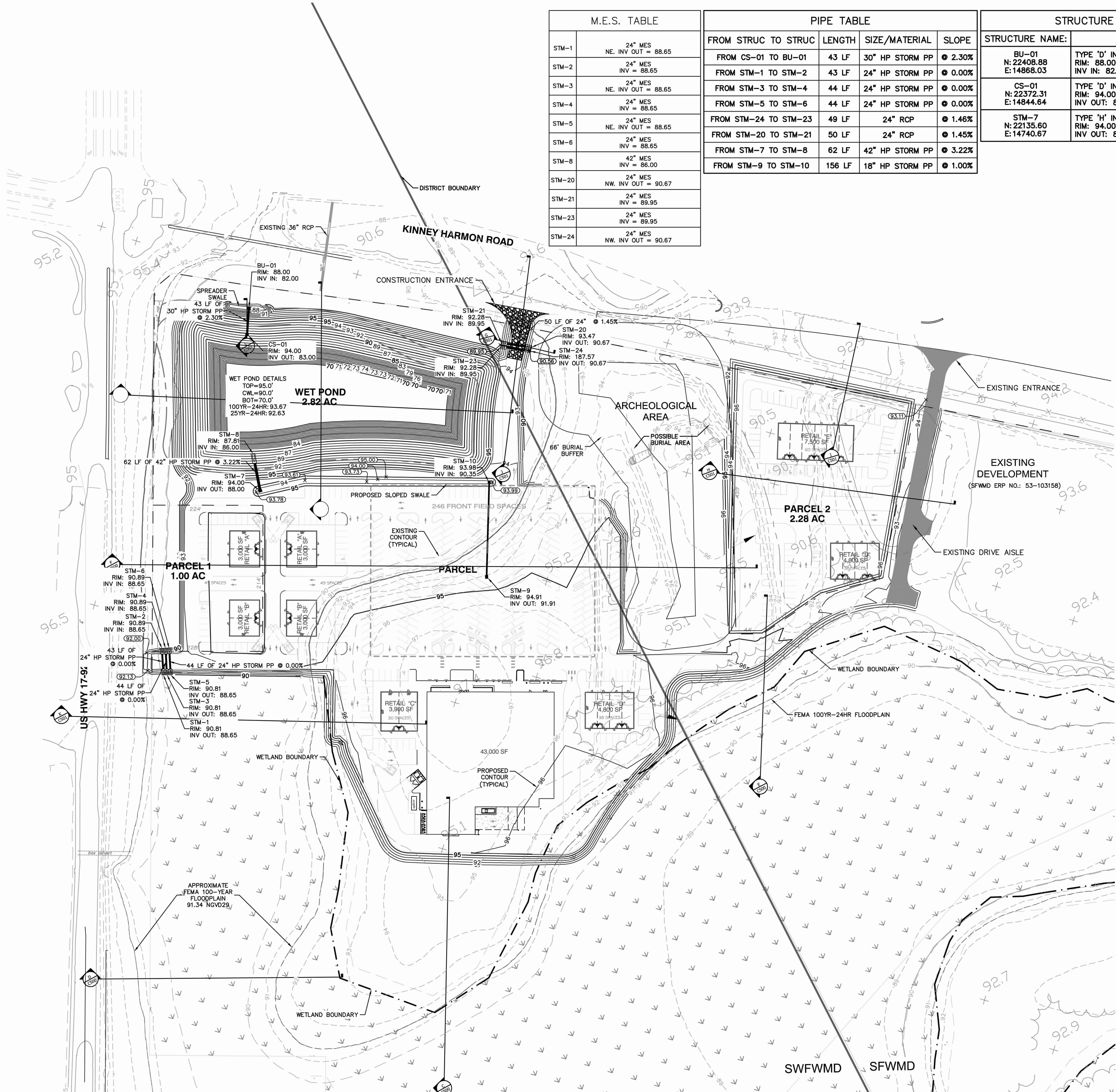
BEST MANAGEMENT PRACTICES PLAN

KHA PROJECT 049853
DATE NOV. 2022
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

MARK E. WILSON
P.E. #47615
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SHEET NUMBER
C300

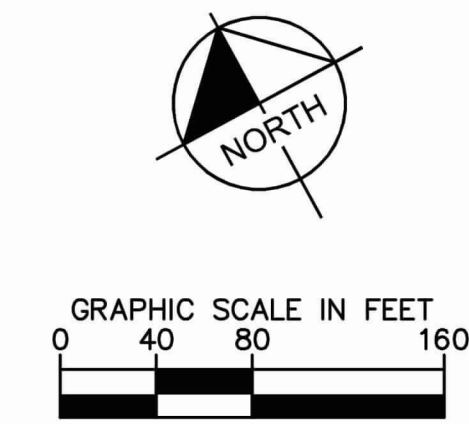
REVISIONS
No. DATE BY



M.E.S. TABLE	
STM-1	24" MES NE. INV OUT = 88.65
STM-2	24" MES INV = 88.65
STM-3	24" MES NE. INV OUT = 88.65
STM-4	24" MES INV = 88.65
STM-5	24" MES NE. INV OUT = 88.65
STM-6	24" MES INV = 88.65
STM-8	42" MES INV = 86.00
STM-20	24" MES NW. INV OUT = 90.67
STM-21	24" MES INV = 89.95
STM-23	24" MES INV = 89.95
STM-24	24" MES NW. INV OUT = 90.67

PIPE TABLE				
FROM STRUC TO STRUC	LENGTH	SIZE/MATERIAL	SLOPE	
FROM CS-01 TO BU-01	43 LF	30" HP STORM PP	2.30%	
FROM STM-1 TO STM-2	43 LF	24" HP STORM PP	0.00%	
FROM STM-3 TO STM-4	44 LF	24" HP STORM PP	0.00%	
FROM STM-5 TO STM-6	44 LF	24" HP STORM PP	0.00%	
FROM STM-24 TO STM-23	49 LF	24" RCP	1.46%	
FROM STM-20 TO STM-21	50 LF	24" RCP	1.45%	
FROM STM-7 TO STM-8	62 LF	42" HP STORM PP	3.22%	
FROM STM-9 TO STM-10	156 LF	18" HP STORM PP	1.00%	

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
BU-01 N: 22408.88 E: 14868.03	TYPE 'D' INLET RIM: 88.00 INV IN: 82.00 SW
CS-01 N: 22372.31 E: 14844.64	TYPE 'D' INLET RIM: 94.00 INV OUT: 83.00 NE
STM-7 N: 22135.60 E: 14740.67	TYPE 'H' INLET (4-GRADE FDOT INLET) RIM: 94.00 INV OUT: 88.00 N



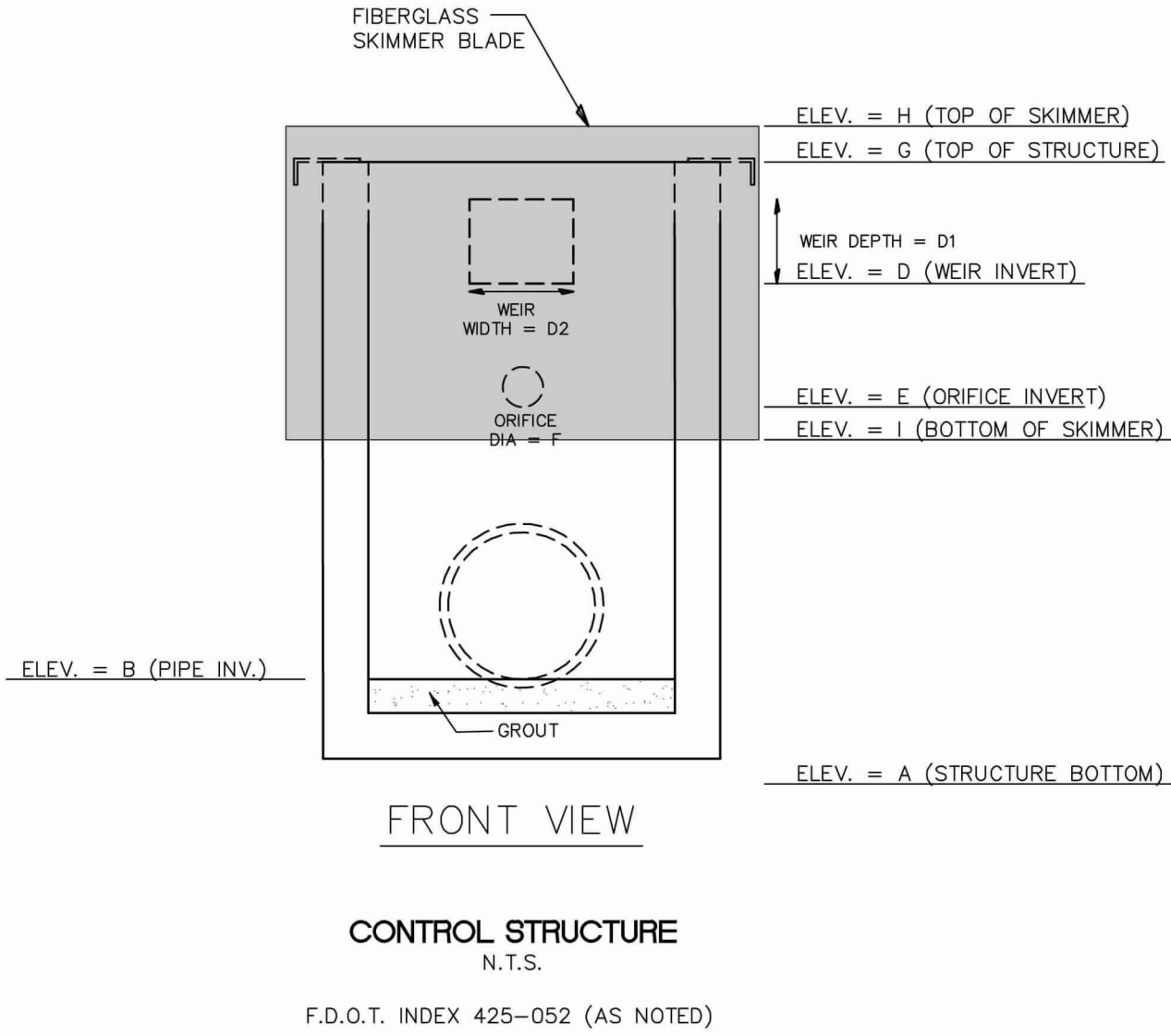
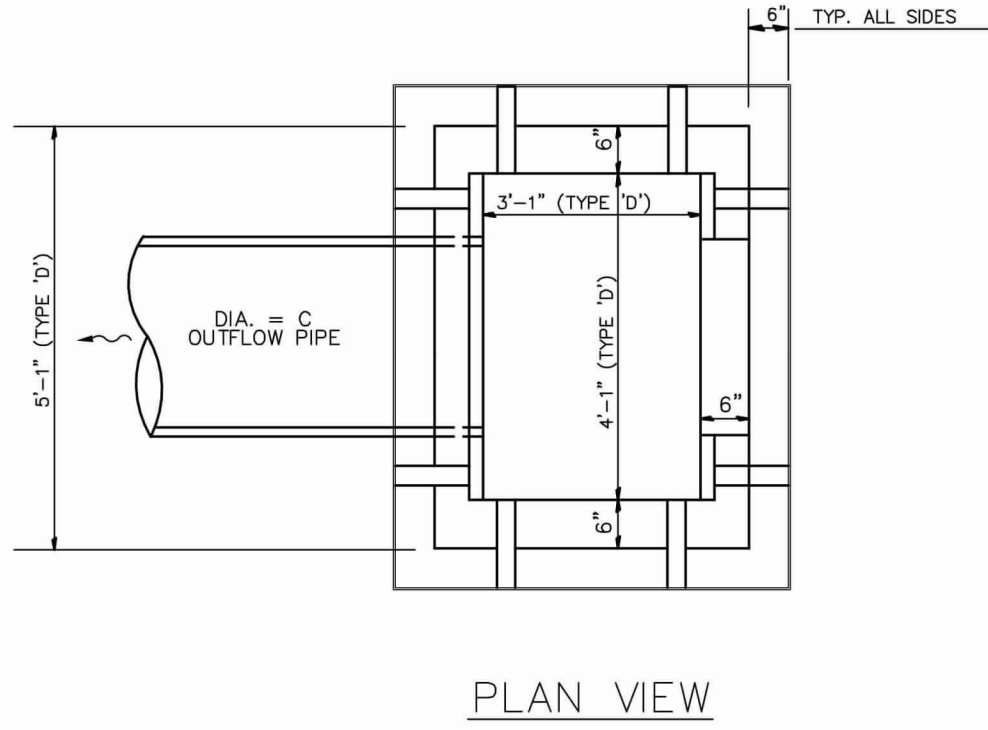
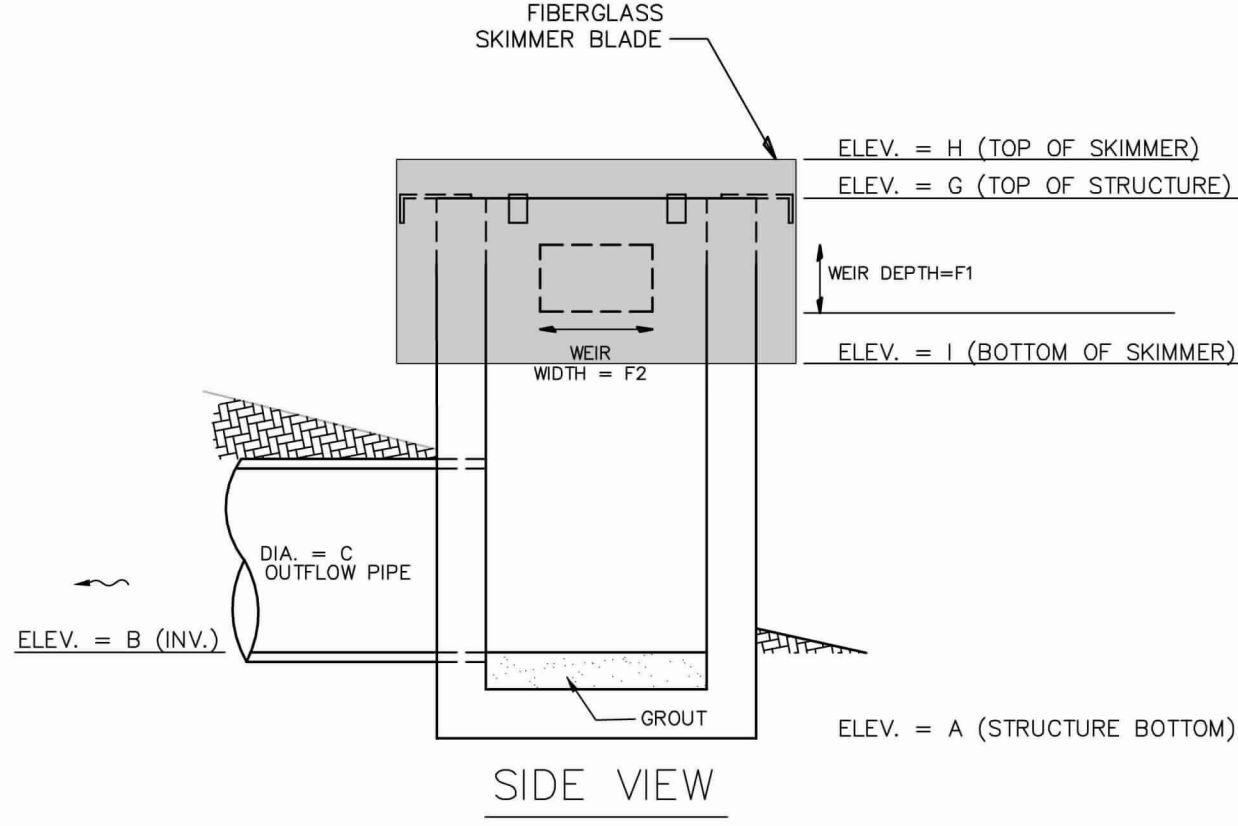
VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON
BM-52, BEING A 4"x4" CONCRETE MONUMENT
STAMPED BM-52, ELEVATION BEING 111.641,
DATUM NGVD 1929, AS FURNISHED BY THE
FLORIDA DEPARTMENT OF TRANSPORTATION.

THE CONVERSION FACTOR BETWEEN NATIONAL
GEODETIC VERTICAL DATUM (NGVD) 1929 AND
NORTH AMERICAN VERTICAL DATUM (NAVD) IS
-0.942 FEET.

FLOOD ZONE
ACCORDING TO THE FLOOD INSURANCE RATE
MAPS AS PROVIDED BY F.E.M.A. THE ABOVE
PROPERTY APPEARS TO FALL IN FLOOD ZONE X
AND AE WITH A PUBLISHED ELEV OF 90.4 FEET,
PER MAP #121050C0235H, DATED 12/22/2016.

- NOTES:
- CONTRACTOR SHALL INSTALL TURBIDITY BARRIERS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND INSPECTION OF SAID TURBIDITY BARRIERS TO ENSURE THEIR PROPER FUNCTION.
 - THE RETENTION PONDS SHALL BE THE FIRST ITEM CONSTRUCTED BEFORE THE BALANCE OF THE SITE IS CLEARED AND BEFORE ANY OF THE PROPOSED CONSTRUCTION BEGINS. SIDE SLOPES FOR THE RETENTION PONDS AND THE AREA ALONG THE BACK SIDE OF THE RETENTION AREA INCLUDING THE CONVEYANCE SWALES SHOULD BE IMMEDIATELY SODDED UPON COMPLETION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE BUFFERS AND RETENTION AND DETENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE OWNER. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.
 - SEE SHEET C500 FOR GRADING AND POND DETAILS.
 - AS-BUILTS SHALL BE PREPARED, SIGNED, SEALED AND DATED BY A REGISTERED LAND SURVEYOR AND SUBMITTED TO THE ENGINEER OF RECORD.
 - AS-BUILTS SHALL INDICATE ANY DEPARTURES FROM THE APPROVED PLANS DURING CONSTRUCTION.
 - CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF F.D.O.T. "DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM" IS REFERRED TO FOR THE STRUCTURAL DESIGN OF DRAINAGE STRUCTURES SPECIFIED IN THESE PLANS, AS REFERENCED BY STANDARD INDEX. ALL SPECIALTY DRAINAGE STRUCTURES REQUIRE SEPARATE STRUCTURAL DESIGN, WHICH IS NOT INCLUDED IN THESE PLANS.
 - CONTRACTOR SHALL RESTORE DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION, AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.
 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO THE OWNER'S ENGINEER FOR APPROVAL. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
 - THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
 - CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS TEMP'D BY THE DEMOLITION OPERATION.
 - THE CONTRACTOR SHALL NOT EXCAVATE, REMOVE, OR OTHERWISE DISTURB ANY MATERIAL, STRUCTURE, OR PART OF A STRUCTURE WHICH IS LOCATED OUTSIDE THE LINES, GRADES, OR GRADING SECTIONS ESTABLISHED FOR THIS PROJECT, EXCEPT WHERE SUCH EXCAVATION OR REMOVAL IS PROVIDED FOR IN THE CONTRACT, PLANS, OR SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED, BY THE CONTRACTOR OR SUB-CONTRACTORS, IS CALLED FOR IN THESE CONTRACT DOCUMENTS.
 - THE CONTRACTOR SHALL CALL (811) SUNSHINE STATE ONE CALL OF FLORIDA. FOR FIELD LOCATIONS 2 BUSINESS DAYS BEFORE DIGGING NEAR UNDERGROUND UTILITIES.
 - PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY W/ FLA. STATUTE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.
 - THE ROADWAYS AND DRAINAGE SYSTEMS WITHIN THIS PROJECT WILL BE PRIVATELY OWNED AND MAINTAINED BY THE PERMITEE AND WILL BE RESPONSIBLE FOR OPERATING AND MAINTAINING THE STORM SEWER SYSTEM IN PERPETUITY.
 - IF MUCK OR ANY OTHER UNSUITABLE MATERIAL IS ENCOUNTERED IN THE TRENCH BED OF THE DRAINAGE PIPES THE MATERIAL MUST BE REMOVED AND BACKFILLED TO A DEPTH (MIN. 2' FEET) WHERE THE MINIMUM COMPACTION PER POLK COUNTY SPECIFICATIONS CAN BE OBTAINED.
 - CONTRACTOR SHALL REMOVE WASTE MATERIALS AND UNSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF OFF-SITE IN A LEGAL MANNER.
 - DURING CONSTRUCTION, NO DIRECT DISCHARGE OF WATER TO DOWNSTREAM RECEIVING WATERS WILL BE ALLOWED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER QUALITY AND SHALL ROUTE DISCHARGE WATER IN SUCH A MANNER AS TO ADEQUATELY REMOVE SILT PRIOR TO RUNOFF FROM THE SITE.
 - IF DETERMINED NECESSARY, DEWATERING DURING EXCAVATING/BACKFILLING OPERATIONS MAY BE ACCOMPLISHED BY DITCHING AND THE USE OF SUMP PUMPS AND/OR OTHER METHODS (WELL POINTS), AS NECESSARY. CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS FOR DEWATERING ACTIVITIES THAT MAY BE REQUIRED.
 - THE PERMITEE WILL BE RESPONSIBLE FOR THE FOLLOWING STORM WATER MANAGEMENT SYSTEM MAINTENANCE AND INSPECTIONS:
 - MOW THE GRASS ABOUT 2-3 TIMES PER MONTH
 - REMOVE TRASH FROM THE SYSTEM ABOUT ONCE EVERY 2-3 MONTHS
 - ENSURE THE SYSTEM IS INSPECTED WITH A FOCUS ON: THE POND FUNCTIONING AS PERMITTED; POND VEGETATION CONDITIONS AND CHANGE; POND EROSION, SETTLEMENT, CRACKING, AND STABILITY; EVIDENCE OF ENCROACHMENT AND MISUSE OF THE POND; CONDITION OF THE STRUCTURES. REPAIRS SHALL BE MADE TO THE STORMWATER MANAGEMENT SYSTEM IF THE SYSTEM IS NOT FUNCTIONING AS PERMITTED OR ANY OF THE PRECEDING ITEMS NEED ADDRESSING.
 - TO ENSURE THE POND FUNCTIONS PROPERLY, SEDIMENT SHALL BE REMOVED IF IT BUILDS UP MORE THAN 6" WITHIN THE POND.
 - ALL ON-SITE STORM WATER SHALL BE DIRECTED TOWARD PROPOSED SWALES, INLETS AND/OR PONDS.

Plotted By: Boyd, Griffin Sheet Set: 049853-Providence N27-Layout-C301 DRAINAGE STRUCTURES AND PIPE TABLES August 11, 2023 12:37:43pm K:\Job-Files\049853001 - Providence N27\CADD\CONSTR\C301 POND CROSS SECTION.dwg This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and Improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



POND OUTFALL STRUCTURE CS-01 TYPE "D"	
A =	82.00 FT
B =	83.00 FT
C =	30 INCHES
D =	90.80 FT
D1 =	6 INCHES
D2 =	12 INCHES
E =	90.00 FT
F =	3 INCHES
G =	94.00 FT
H =	94.50 FT
I =	89.50 FT



PERMITTED DRAWINGS SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD)

For Construction permits, the permittee shall notify, in writing, the SWFWMD Tampa Regulation Department when construction begins.



	SHEET NUMBER	C500
PROVIDENCE N27 MASS GRADING PREPARED FOR APPLIED BUSINESS DEVELOPMENT P COMPANY-OAKHILLS, INC.	CROSS SECTIONS	KHA PROJECT 049853 DATE NOV. 2022 SCALE AS SHOWN DESIGNED BY DRAWN BY CHECKED BY
		M.A.K.E. WILSON FLORIDA PROFESSIONAL ENGINEER No. 47615 STATE OF FLORIDA
Kimley»Horn		© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 109 SOUTH KENTUCKY AVENUE, LAKELAND, FL 33801 PHONE: 863-701-8702 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106
		No. _____ REVISIONS _____ DATE _____ BY _____

PROVIDENCE N27 SHEET NUMBER					
MASS GRADING PREPARED FOR APPLIED BUSINESS DEVELOPMENT		CROSS SECTIONS		KHA PROJECT 049853 DATE NOV. 2022 SCALE AS SHOWN DESIGNED BY DRAWN BY CHECKED BY	
COMPANY-OAKHILLS, INC.				Kimley»Horn © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 109 SOUTH KENTUCKY AVENUE, LAKELAND, FL 33801 PHONE: 863-701-8702 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106	
				E. WILSON No. 47615 STATE OF FLORIDA Professional Engineer	
				No.	REVISIONS
				DATE	BY



PERMITTED DRAWINGS SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD)

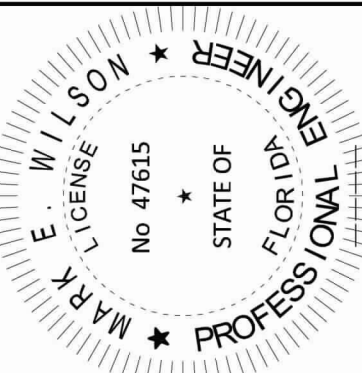


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PROVIDENCE N27 MASS
GRADING
PREPARED FOR
APPLIED BUSINESS DEVELOPMENT
COMPANY-OAKHILLS, INC.
POLK COUNTY
FLORIDA

CROSS SECTIONS

KHA PROJECT 049853	DATE NOV. 2022	SCALE AS SHOWN	DESIGNED BY ---	DRAWN BY ---	CHECKED BY ---
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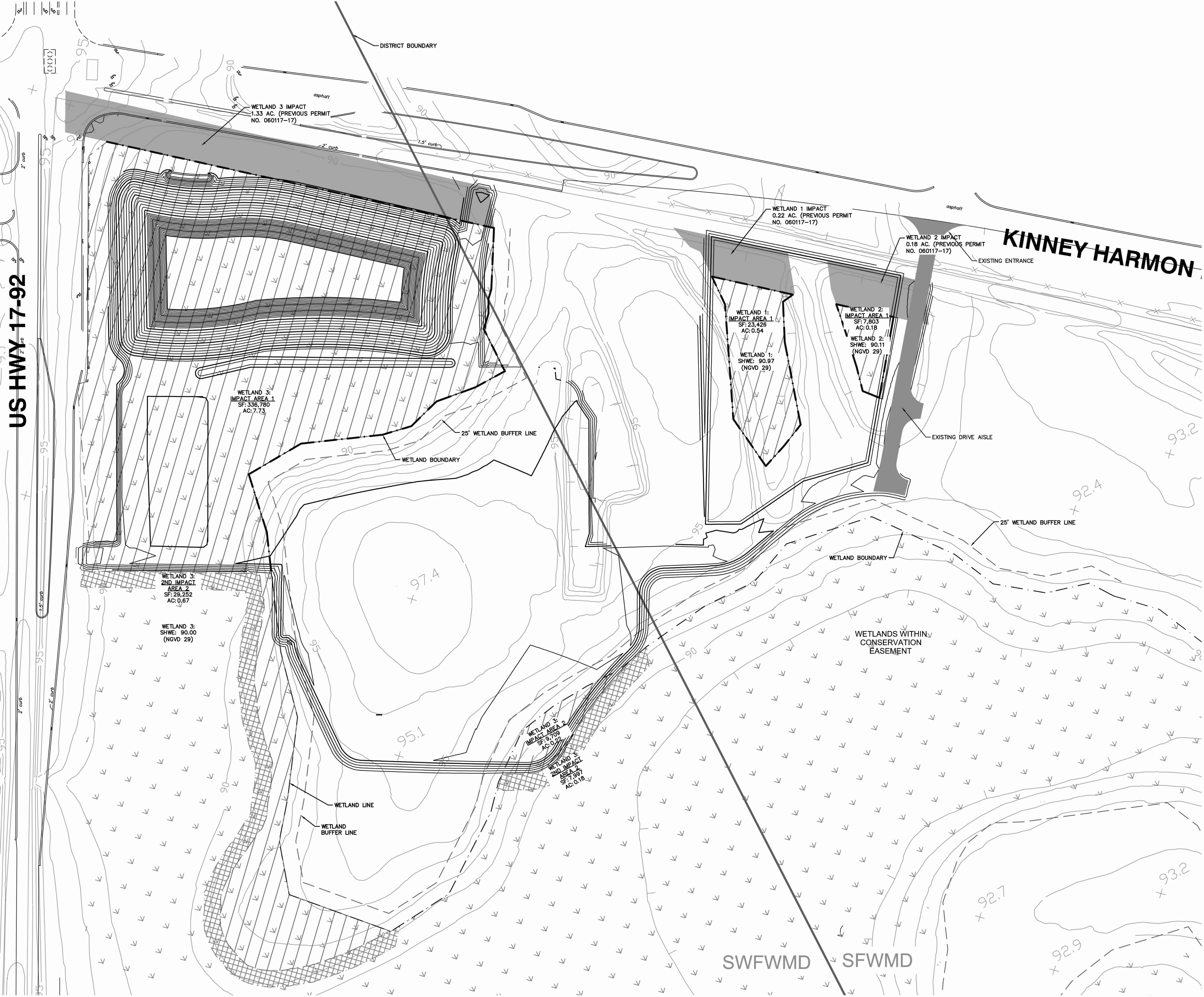


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Plotted By: Bayd, Griffin. Sheet Set: 049853-Providance N27-Layout: C600 WETLAND IMPACTS-FLOOD PLAIN COMP PLAN.dwg
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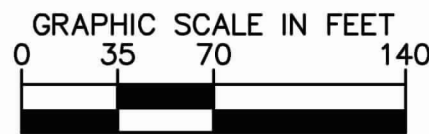
CALL 2 BUSINESS
DAYS BEFORE
YOU DIG

IT'S THE LAW!
DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

811

Know what's below.
Call before you dig.



- LEGEND
- EXISTING WETLAND
48.7± ACRES
 - AREA OF WETLAND IMPACTS
WITHIN PROJECT BOUNDARY
8.67± ACRES
 - AREA OF SECONDARY
WETLAND IMPACTS
WITHIN PROJECT BOUNDARY
0.85± ACRES
 - WETLAND IMPACTS FROM PREVIOUS
PERMIT, POINCIANA PARKWAY
1.73±

PROVIDENCE N27 MASS
GRADING
PREPARED FOR
APPLIED BUSINESS DEVELOPMENT
COMPANY-OAKHILLS, INC.

FLORIDA
POLK COUNTY

WETLAND IMPACT
PLAN

SCALE AS SHOWN
DATE NOV. 2022
DESIGNED BY
DRAWN BY
CHECKED BY

KHA PROJECT
049853
DATE NOV. 2022
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
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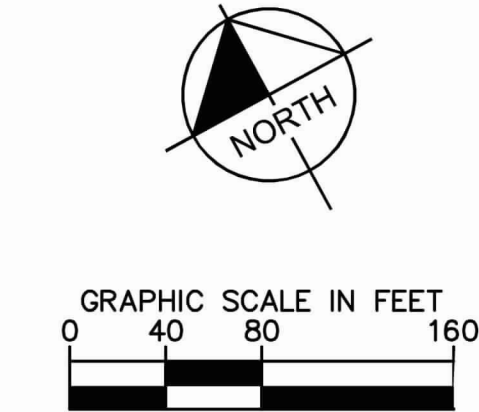
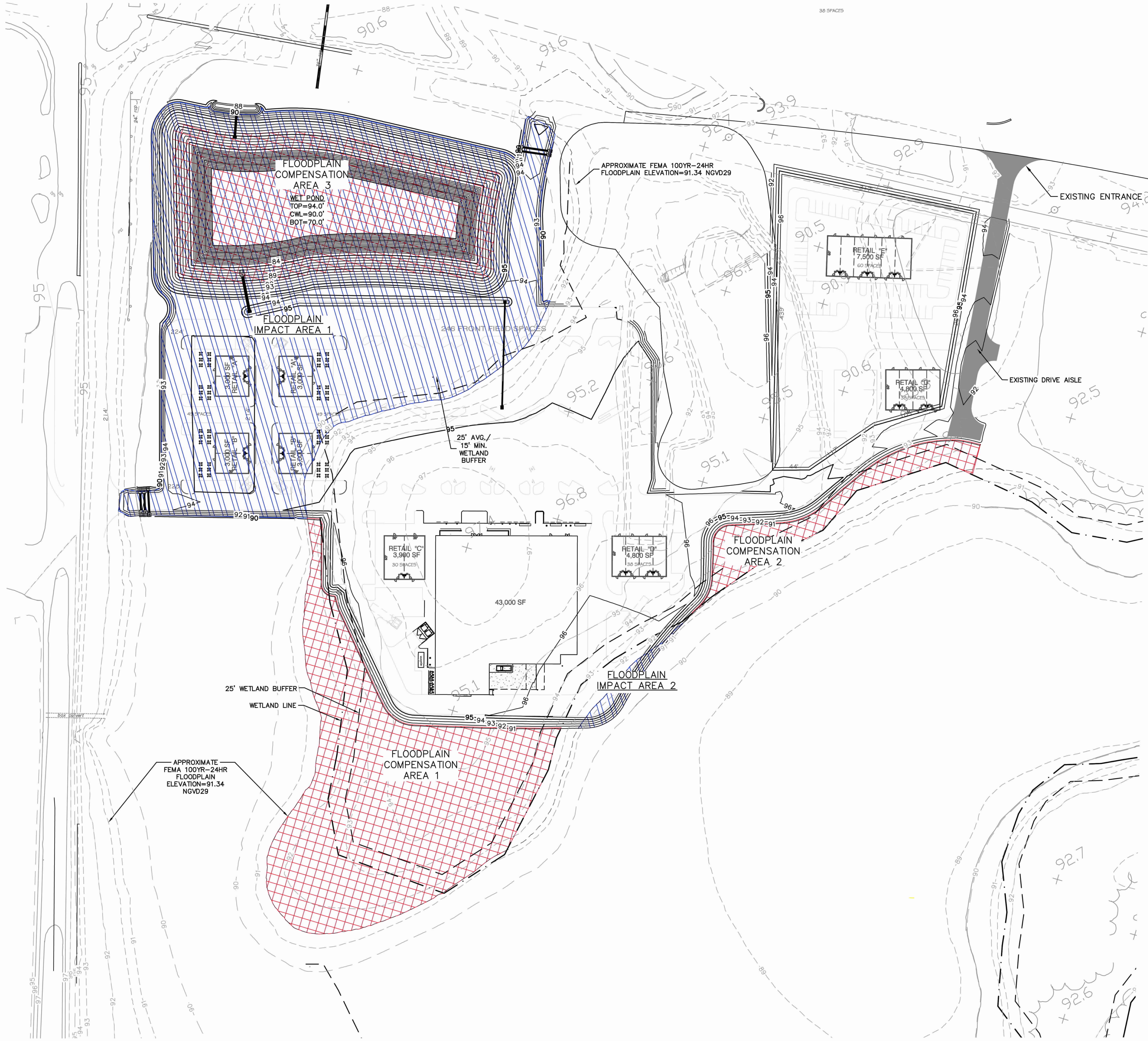
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MARK E. WILSON
P.E. #47615
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS

DATE

BY



VERTICAL DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON BM-52, BEING A 4"x4" CONCRETE MONUMENT STAMPED BM-52, ELEVATION BEING 111.541, DATUM NGVD 1929, AS FURNISHED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION.

THE CONVERSION FACTOR BETWEEN NATIONAL GEODETIC VERTICAL DATUM (NGVD) 1929 AND NORTH AMERICAN VERTICAL DATUM (NAVD) IS +0.942 FEET.

FLOOD ZONE
ACCORDING TO THE FLOOD INSURANCE RATE MAPS AS PROVIDED BY F.E.M.A., THE ABOVE PROPERTY APPEARS TO FALL IN FLOOD ZONE X AND AE WITH A PUBLISHED ELEV OF 90.4 FEET, PER MAP #1210SC0235H, DATED 12/22/2016.

NOTES:

- CONTRACTOR SHALL INSTALL TURBIDITY BARRIERS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND INSPECTION OF SAID TURBIDITY BARRIERS TO ENSURE THEIR PROPER FUNCTION.
- THE RETENTION PONDS SHALL BE THE FIRST ITEM CONSTRUCTED BEFORE THE BALANCE OF THE SITE IS CLEARED AND BEFORE ANY OF THE PROPOSED CONSTRUCTION BEGINS. SIDE SLOPES FOR THE RETENTION PONDS AND THE AREA ALONG THE BACK SIDE OF THE RETENTION AREA INCLUDING THE CONVEYANCE SWALES SHOULD BE IMMEDIATELY SODEDDED UPON COMPLETION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE BUFFERS AND RETENTION AND DETENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE OWNER. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.
- SEE SHEET C500 FOR GRADING AND POND DETAILS.
- AS-BUILTS SHALL BE PREPARED, SIGNED, SEALED AND DATED BY A REGISTERED LAND SURVEYOR AND SUBMITTED TO THE ENGINEER OF RECORD.
- AS-BUILTS SHALL INDICATE ANY DEPARTURES FROM THE APPROVED PLANS DURING CONSTRUCTION.
- CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF F.D.O.T. "DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM" IS REFERRED TO FOR THE STRUCTURAL DESIGN OF DRAINAGE STRUCTURES SPECIFIED IN THESE PLANS, AS REFERENCED BY STANDARD INDEX. ALL SPECIALTY DRAINAGE STRUCTURES REQUIRE SEPARATE STRUCTURAL DESIGN, WHICH IS NOT INCLUDED IN THESE PLANS.
- CONTRACTOR SHALL RESTORE DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION, AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO THE OWNER'S ENGINEER FOR APPROVAL. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
- CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS TEMPORARILY BY THE DEMOLITION OPERATION.
- THE CONTRACTOR SHALL NOT EXCAVATE, REMOVE, OR OTHERWISE DISTURB ANY MATERIAL, STRUCTURE, OR PART OF A STRUCTURE WHICH IS LOCATED OUTSIDE THE LINES, GRADES, OR GRADING SECTIONS ESTABLISHED FOR THIS PROJECT, EXCEPT WHERE SUCH EXCAVATION OR REMOVAL IS PROVIDED FOR IN THE CONTRACT, PLANS, OR SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED, BY THE CONTRACTOR OR SUB-CONTRACTORS, IS CALLED FOR IN THESE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL CALL (811) SUNSHINE STATE ONE CALL OF FLORIDA, FOR FIELD LOCATIONS 2 BUSINESS DAYS BEFORE DIGGING NEAR UNDERGROUND UTILITIES.
- PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY W/ FLA. STATUTE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.
- THE ROADWAYS AND DRAINAGE SYSTEMS WITHIN THIS PROJECT WILL BE PRIVATELY OWNED AND MAINTAINED BY THE PERMITTEE AND WILL BE RESPONSIBLE FOR OPERATING AND MAINTAINING THE STORM SEWER SYSTEM IN PERPETUITY.
- IF MUCK OR ANY OTHER UNSUITABLE MATERIAL IS ENCOUNTERED IN THE TRENCH BED OF THE DRAINAGE PIPES THE MATERIAL MUST BE REMOVED AND BACKFILLED TO A DEPTH (MIN. 2' FEET) WHERE THE MINIMUM COMPACTION PER POLK COUNTY SPECIFICATIONS CAN BE OBTAINED.
- CONTRACTOR SHALL REMOVE WASTE MATERIALS AND UNSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF OFF-SITE IN A LEGAL MANNER.
- DURING CONSTRUCTION, NO DIRECT DISCHARGE OF WATER TO DOWNSTREAM RECEIVING WATERS WILL BE ALLOWED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER QUALITY AND SHALL ROUTE DISCHARGE WATER IN SUCH A MANNER AS TO ADEQUATELY REMOVE SILT PRIOR TO RUNOFF FROM THE SITE.
- IF DETERMINED NECESSARY, DEWATERING DURING EXCAVATING/BACKFILLING OPERATIONS MAY BE ACCOMPLISHED BY DITCHING AND THE USE OF SUMP PUMPS AND/OR OTHER METHODS (WELL POINTS), AS NECESSARY. CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS FOR DEWATERING ACTIVITIES THAT MAY BE REQUIRED.
- THE PERMITTEE WILL BE RESPONSIBLE FOR THE FOLLOWING STORM WATER MANAGEMENT SYSTEM MAINTENANCE AND INSPECTIONS:
 - MOW THE GRASS ABOUT 2-3 TIMES PER MONTH
 - REMOVE TRASH FROM THE SYSTEM ABOUT ONCE EVERY 2-3 MONTHS
 - ENSURE THE SYSTEM IS INSPECTED WITH A FOCUS ON: THE POND FUNCTIONING AS PERMITTED; POND VEGETATION CONDITIONS AND CHANGE/POND EROSION, SETTLEMENT, CRACKING, AND STABILITY; EVIDENCE OF ENCROACHMENT AND MISUSE OF THE POND; CONDITION OF THE STRUCTURES. REPAIRS SHALL BE MADE TO THE STORMWATER MANAGEMENT SYSTEM IF THE SYSTEM IS NOT FUNCTIONING AS PERMITTED OR ANY OF THE PRECEDING ITEMS NEED ADDRESSING.
 - TO ENSURE THE POND FUNCTIONS PROPERLY, SEDIMENT SHALL BE REMOVED IF IT BUILDS UP MORE THAN 6" WITHIN THE POND.
- ALL ON-SITE STORM WATER SHALL BE DIRECTED TOWARD PROPOSED SWALES, INLETS AND/OR PONDS.

100YR-24HR FEMA FLOODPLAIN
IMPACT CALCULATIONS

FLOODPLAIN IMPACT AREA	IMPACT VOLUME (AC-FT)
1	3.40
2	0.06
SUM:	3.46

100YR-24HR FEMA FLOODPLAIN
COMPENSATION CALCULATIONS

FLOODPLAIN COMP AREA	COMP VOLUME (AC-FT)
1	1.77
2	0.28
3	1.54
SUM:	3.59

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MARK E. WILSON, P.E. #47615. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

PROVIDENCE N27 MASS

GRADING
PREPARED FOR

APPLIED BUSINESS DEVELOPMENT
COMPANY-OAKHILLS, INC.

POLK COUNTY

FLORIDA

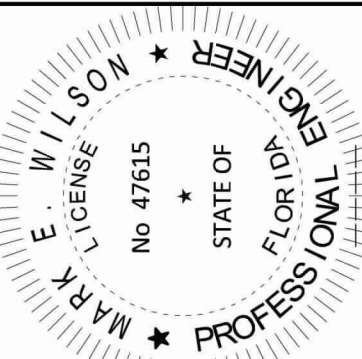
FLOODPLAIN
COMPENSATION

KHA PROJECT
049853

DATE
NOV. 2022

SCALE AS SHOWN
NO. 47615

DESIGNED BY
DRAWN BY
CHECKED BY



Kimley»Horn

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No. _____ REVISIONS _____ DATE _____ BY _____