## GENERAL CONSTRUCTION NOTES

1. PAVING, GRADING, AN DRAINAGE IMPROVEMENTS SHALL CONFORM TO THE SEMINOLE COUNTY'S STORMWATER UTILITY SPECIFICATION.

2. 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.

3. 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.

4. 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.

5. 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.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.

7. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.

8. 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.

9. 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.

10. 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.

11. 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.

12. 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.

13. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.

14. 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.

## EROSION CONTROL NOTES

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THE EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS OF THE SWPPP, PLUS THE FDEP NPDES NOI AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

2. 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 GENERIC PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

3. 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.

4. 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.

5. 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.

6. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.

7. 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.

8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

9. 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.

10. 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.

11. 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.

12. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY CEASED.

13. 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.

14. 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.

15. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.

16. 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.

17. 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.

18. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

19. 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.

20. 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.

## DEMOLITION NOTES

1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.

2. 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.

3. THE CONTRACTOR SHALL REFER TO THE TREE PRESERVATION 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.

## PAVING, GRADING AND DRAINAGE NOTES

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT "STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION" LATEST EDITION.

2. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED OR LANDSCAPED PER PLAN.

3. 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.

4. 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.

5. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.

6. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.

7. 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.

8. 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.

9. 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.

10. IF DEWATERING IS REQUIRED IT SHALL BE CONTAINED ON-SITE. FOR ANY OFF-SITE DISCHARGE THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.

11. 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.

12. 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.

13. 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.

14. ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.

15. 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.

16. 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.

17. 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.

18. 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.

19. 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.

20. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.

## WATER AND SEWER UTILITY NOTES

1. 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.

2. 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.

3. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.

4. 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.

5. 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.

6. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.

7. 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.

8. UNDERGROUND LINES SHALL BE SURVEYED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR BEFORE BACK FILLING.

9. 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.

## SEMINOLE COUNTY - ENGINEERING DIVISION STANDARD NOTES:

1. FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, LATEST EDITION, SHALL APPLY TO THE DESIGN AND CONSTRUCTION OF FACILITIES ON THIS SET OF ENGINEERING PLANS, UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE.

2. FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, SHALL APPLY TO THE DESIGN AND CONSTRUCTION OF FACILITIES ON THIS SET OF ENGINEERING PLANS, UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE.

3. THE FHA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION, AND THE SEMINOLE COUNTY TYPICAL T-P-13 SHALL APPLY TO THE DESIGN AND CONSTRUCTION OF PAVEMENT MARKINGS, SIGNING, RPM'S, AND GEOMETRICS ON THIS SET OF ENGINEERING PLANS, UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE.

4. TRAFFIC CONTROL DEVICES (SIGNS, SIGNALS, MARKINGS, ETC.) SHALL BE IN ACCORDANCE WITH FHA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION, UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE.

5. CLEARING, GRUBBING, DEMUCKING ETC. - ALL STUMPS, ROOTS, LARGE ROCKS, CONCRETE, AND OTHER DELETERIOUS OR UNDESIRABLE MATERIALS LOCATED WITHIN THE TOP 48 INCHES OF SUBGRADE, SHALL BE REMOVED FROM RIGHTS OF WAY, EASEMENTS, OR OTHER AREAS THAT WILL BE DEVELOPED WITH ROADS, ALLEYS, PARKING SIDEWALKS, OR SIMILAR "HORIZONTAL" IMPROVEMENTS. SIMILAR MATERIAL REMOVAL IS REQUIRED WITHIN THE LIMITS OF UTILITY TRENCHING OPERATIONS.

6. ALL EXCAVATED STUMPS, ROOTS, LARGE ROCKS, CONCRETE, AND OTHER DELETERIOUS OR UNDESIRABLE MATERIALS, INCLUDING ANY CREATED MULCH MATERIAL, SHALL BE COLLECTED AND DISPOSED OF AT AN APPROPRIATE FACILITY-LOCATION OFF-SITE . UNDER NO CIRCUMSTANCES SHALL ANY SUCH MATERIAL BE USED FOR FILL, OR OTHERWISE DISPOSED OF OR BURIED ON SITE, UNLESS SPECIFICALLY APPROVED BY THE TOWN ENGINEER.

7. MUCK & PEAT - IF MUCK AND PEAT ARE IDENTIFIED WITHIN RIGHTS OF WAY, EASEMENTS, OR OTHER AREAS THAT WILL BE DEVELOPED WITH ROADS, ALLEYS, PARKING SIDEWALKS, OR SIMILAR "HORIZONTAL" IMPROVEMENTS, SAID MATERIAL SHALL BE REMOVED (TO 10 FEET OUTSIDE OF THE DEVELOPED AREAS) AND SAID MATERIAL SHALL BE DISPOSED OF OFF-SITE, AND CLEAN GRANULAR COMPACTED BACKFILL USED TO REPLACE THE REMOVED MATERIAL.

8. IF HARDPAN LAYER MATERIAL IS ENCOUNTERED IN A LOCATION WITH A PROPOSED SWALE OR DETENTION-RETENTION AREAS, THE HARDPAN MATERIAL SHALL BE REMOVED AND REPLACED WITH CLEAN GRANULAR COMPACTED BACKFILL.

9. MINIMUM BACKFILL, SUBGRADE, AND BASE ROCK COMPACTION (DENSITY) REQUIREMENTS ARE DEFINED BELOW.
   A. BACKFILL WITHIN STREET OR ALLEY RIGHT OF WAY SHALL BE SHALL BE COMPACTED TO 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
   B. BACKFILL WITHIN AREAS THAT WILL NOT BE IMPROVED WITH STREETS, ALLEYS, PARKING AREAS, SIDEWALKS, STRUCTURES, ETC., SHALL BE COMPACTED TO A MINIMUM OF 93% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. LANDSCAPE BERM AND RETENTION-DETENTION AREA FILL SHALL BE COMPACTED TO A MINIMUM OF 91% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
   C. UTILITY TRENCH BACKFILL SHALL BE COMPACTED TO 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
   D. SUBGRADE MATERIAL (MINIMUM OF 12 INCHES) FOR SIDEWALKS, ASPHALT PATHS, ROADS, ALLEYS, ETC. SHALL BE COMPACTED TO 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
   E. BASE MATERIAL FOR ROADS, ASPHALT PATHS, ALLEYS, ETC., SHALL BE COMPACTED TO 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.

10. VERTICAL DISTRIBUTION OF DENSITY TESTING - NUCLEAR DENSITY COMPACTION TESTS ARE TO BE TAKEN ON EVERY LIFT PLACED (12" MAXIMUM THICKNESS), STARTING WITH THE SOIL AT THE SPRINGLINE OF UTILITY OR AT BASE OF ANY STRUCTURE, AND PROCEEDING UPWARD TO GRADE, AT THE LOCATIONS DEFINED IN ITEM 3 BELOW. iF THICKER LIFTS ARE APPROVED AND IMPLEMENTED, DENSITY TESTING SHALL BE PERFORMED VIA "DIG DOWNS" TO SUFFICIENT DEPTH TO TEST EACH 12 INCHES FOR THE FULL THICKNESS OF LIFT.

11. TYPICAL BACKFILL LIFTS SHALL NOT EXCEED 6 INCHES. THICKER LIFTS ARE ACCEPTABLE PROVIDED:
   B. AN ALTERNATIVE PLACEMENT AND COMPACTION METHODOLOGY IS PREPARED AND SUBMITTED FOR REVIEW BY TOWN ENGINEERING AND STORMWATER DEPARTMENT STAFF AS APPLICABLE. METHODOLOGY SHALL DEFINE MAXIMUM LIFT THICKNESS, EQUIPMENT TO BE USED FOR COMPACTION, ROLLING PATTERN AND NUMBER OF PASSES, AND OTHER APPLICABLE INFORMATION.
   C. ALTERNATIVE METHOD IS PERFORMED ON A TEST STRIP/AREA AND DENSITIES ARE VERIFIED FOR FULL DEPTH OF LIFT VIA DIG DOWN AND NUCLEAR DENSITY TESTING FOR EACH LIFT.

12. HORIZONTAL DISTRIBUTION OF DENSITY TESTING - DENSITY TESTING SHALL BE PERFORMED AT THE FOLLOWING MINIMUM LOCATIONS/HORIZONTAL SPACING PER THE VERTICAL DISTRIBUTION NOTED IN ITEM 2 ABOVE:
   A. PIPE TRENCHES - TESTS SHALL BE PERFORMED AT RANDOMLY SELECTED LOCATIONS WITHIN EACH 300 FOOT INTERVAL (MAXIMUM) ALONG THE LENGTH OF A PIPE INSTALLATION, AND BETWEEN EACH SET OF STRUCTURES SEPARATED BY LESS THAN 300 FEET. AT LEAST ONE TEST SHALL BE PERFORMED FOR EVERY 12 INCHES, STARTING WITH THE FIRST TEST PERFORMED AT SPRINGLINE (COVERING THE 12" LAYER BELOW SPRINGLINE ELEVATION).
   B. STRUCTURES - TESTS SHALL BE PERFORMED AT EACH MANHOLE OR DRAINAGE STRUCTURE. AT LEAST ONE TEST SHALL BE PERFORMED FOR EVERY 12 INCHES, STARTING WITH THE FIRST TEST PERFORMED AT BASE OF STRUCTURE (COVERING THE 12" LAYER BELOW BASE ELEVATION). TESTS SHOULD ALTERNATE FROM CORNER TO CORNER OR SIDE TO SIDE AROUND STRUCTURE WITH EACH 12 INCH INCREMENT.
   C. SUBGRADE - TESTS SHALL BE PERFORMED AT RANDOMLY SELECTED LOCATIONS WITHIN EACH 300 FOOT INTERVAL (MAXIMUM) ALONG THE LENGTH OF ROADWAY, SIDEWALK OR PATHWAY, AND EVERY 6000 SQUARE FEET OF PARKING AREA.
   D. BASE ROCK - TESTS SHALL BE PERFORMED AT RANDOMLY SELECTED LOCATIONS WITHIN EACH 300 FOOT INTERVAL (MAXIMUM) ALONG THE LENGTH OF ROADWAY, SIDEWALK OR PATHWAY, AND EVERY 6000 SQUARE FEET OF PARKING AREA.
   E. ROAD CROSSINGS - TESTS SHALL BE PERFORMED FOR EACH 12 INCH LIFT WITHIN ANY OPEN CUT ROAD CROSSING LOCATION.

13. SOIL STABILIZATION - THE SOILS IN THE AREA REQUIRE PROPER SOIL STABILIZATION MIX DESIGNS AND STRINGENT QUALITY CONTROL OF FIELD MIXING APPLICATION OF THE DESIGN MIX IN ORDER TO OBTAIN AN EFFECTIVE STABILIZED SOIL, PARTICULARLY IF LIME SLUDGE MATERIAL IS USED. CONSTRUCTION SPECIFICATIONS SHOULD REQUIRE THAT THE SOIL BE SAMPLED AND MIX DESIGN(S) PREPARED AND TESTED BY A TESTING LAB. THE MIX DESIGN SHOULD BE SPECIFIED OR OTHERWISE ADMINISTERED CLOSELY DURING FIELD INSTALLATIONS OR CONSTRUCTION, INCLUDING PERFORMANCE OF FREQUENT LBR TESTS. STABILIZED SUBGRADE SHALL, AT A MINIMUM, BE TESTED TO MEET A MINIMUM OF LBR 40 VALUE, IN ADDITION TO FBV 75.

14. ASPHALT - ROADWAY AND PARKING AREA ASPHALT SHALL BE TESTED TO MEET A MINIMUM OF 94% OF THE MAXIMUM LABORATORY DENSITY FOR THE ASPHALT MIX DESIGN. TESTING MAY BE DONE BY CORE SAMPLING OR NUCLEAR GAUGE DENSITY TESTING. FOR ROADWAY ASPHALT, TESTING SHALL BE AT MAXIMUM 300 LINEAR FOOT AND 6000 SQUARE FOOT INTERVALS. FOR PARKING AREAS, DENSITY TESTING SHALL BE BASED ON MAXIMUM 6000 SQUARE FOOT INTERVALS. SHOULD DENSITY TESTING INDICATE FAILURE TO MEET THE 94% MINIMUM DENSITY, THEN ADDITIONAL LOCALIZED TESTING WILL BE REQUIRED AROUND THE FAILURE LOCATION TO DETERMINE THE EXTENT OF DEFICIENT ASPHALT DENSITY OR TO DETERMINE THAT THE FAILURE WAS A LOCALIZED SPECIFIC CONDITION ONLY. THE TOWN RESERVES THE RIGHT TO REQUEST ADDITIONAL TESTING BASED ON PHYSICAL OBSERVATION OF THE ASPHALT INSTALLATION OR SURFACE CONDITIONS. CORE SAMPLES WILL BE REQUIRED TO SUBSTANTIATE THE SPECIFIED COMPACTED ASPHALT THICKNESS HAS BEEN CONSTRUCTED. FOR ROADWAYS, THE TOWN RESERVES THE RIGHT TO REQUEST ROLLING STRAIGHTEDGE TESTING ON THE TRAVEL LANES, IN ACCORDANCE WITH FDOT SPECIFICATIONS.

15. NON-STRUCTURAL CONCRETE - ALL CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO THE DIRECTOR OF ENGINEERING OR HIS DESIGNEE FOR REVIEW AND APPROVAL. CONCRETE SHALL BE TESTED FOR SLUMP AND STRENGTH, ONCE FOR EVERY 100 CUBIC YARDS OR DAILY, UNLESS WAIVED BY THE TOWN ENGINEER OR HIS DESIGNEE. FOR STRENGTH, A MINIMUM OF FOUR CONCRETE CYLINDERS SHALL BE CAST AND TESTED ACCORDING TO ASTM STANDARDS.

16. STRUCTURAL CONCRETE - ALL CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO THE DIRECTOR OF ENGINEERING OR HIS DESIGNEE FOR REVIEW AND APPROVAL. CONCRETE SHALL BE TESTED FOR TEMPERATURE, AIR ENTRAINMENT, SLUMP AND STRENGTH, ONCE FOR EVERY 50 CUBIC YARDS OR DAILY, UNLESS WAIVED BY THE TOWN ENGINEER OR HIS DESIGNEE. FOR STRENGTH, A MINIMUM OF FOUR CONCRETE CYLINDERS SHALL BE CAST AND TESTED ACCORDING TO ASTM STANDARDS.

17. STEEL (FOR STRUCTURAL CONCRETE) - MILL CERTIFICATIONS FOR ALL STEEL SHALL BE SUBMITTED TO THE TOWN ENGINEER FOR REVIEW AND APPROVAL. AT THE TOWN'S DISCRETION, STEEL MAY BE SAMPLED TO BE TESTED FOR YIELD STRENGTH AND METALLURGICAL PROPERTIES.

18. ALL CLEARED MATERIALS INCLUDING MULCHED MATERIALS, SHALL BE REMOVED FROM SITE PRIOR TO THE PERFORMANCE OF ANY EXCAVATION, FILL OR GRADING EARTHWORK ON SITE. UNDER NO CIRCUMSTANCES SHALL ANY SUCH MATERIALS BE BURIED ON SITE. SHOULD APPLICANT DESIRE TO UTILIZE CERTAIN CLEARED AND MULCHED MATERIALS AS ADMIXTURE TO SOILS TO CREATE LANDSCAPE BERM AREAS, THE APPLICANT SHALL SEEK AND SECURE THE EXPRESS CONSENT OF THE TOWN ENGINEER AND THE NATURAL RESOURCES PROGRAM SUPERVISOR FOR SUCH ALLOWANCE. WITH LIMITED EXCEPTIONS FOR DOCUMENTED EXTENUATING CIRCUMSTANCES, THE ADDING OR MIXING OF ORGANIC CONTENT OF SOILS SHALL NOT EXCEED 10%, AS DETERMINED BY ASTM D2974. THE PERMITTEE, AT ITS SOLE EXPENSE, MAY BE REQUESTED BY THE TOWN TO PERFORM THIS TEST, AT ANY TIME DURING THE CLEARING OPERATION, TO ASCERTAIN THE ORGANIC CONTENT OF THE SOILS REMAINING. ANY MIXING OF ORGANIC MATERIALS INTO SOILS SHALL BE PERFORMED SO AS TO ESTABLISH A UNIFORMLY MIXED FINAL SOIL CONDITION.

19. EXCEPT FOR THOSE LOCATIONS TO BE PRESERVED, AND PURSUANT TO ALL OTHER CONDITIONS DESIGNATED AND/OR IMPOSED BY NATURAL RESOURCES,THE SITE SHALL BE FULLY AND COMPLETELY CLEARED OF ALL DELETERIOUS AND/OR ORGANIC MATERIALS, WHICH MAY INCLUDE THE NECESSITY FOR ROOT RAKING AND/OR EXCAVATION OF A LAYER(S) OF EARTH, TO A SUFFICIENT DEPTH, SO AS TO REMOVE ALL SUCH MATERIALS. ALL SUCH MATERIALS SHALL BE LEGALLY DISPOSED OF OFF SITE, WITH SAID DISPOSAL BEING PERFORMED PROMPTLY. LONGER TERM STORAGE OF THESE MATERIAL WILL REQUIRE CONTAINERS TO BE USED IN ACCORDANCE WITH TOWN CODE REQUIREMENTS. UPON COMPLETION AND PRIOR TO COMMENCEMENT OF ANY OTHER PERMITTED SITE DEVELOPMENT WORK, INSPECTION(S) SHALL BE REQUESTED BY THE PERMITEE FOR SUFFICIENCY OF THIS ORGANIC MATERIAL REMOVAL WORK. SAID INSPECTIONS SHALL BE REQUESTED PERFORMED BY TOWN STAFF INCLUDING REPRESENTATIVES OF THE BUILDING DIVISION FOR STRUCTURE AREAS, AND THE ENGINEERING DIVISION AND NATURAL RESOURCES COORDINATOR FOR OTHER SITE AREAS. PERMITTEE SHALL REQUEST THESE INSPECTIONS BY THE TOWN'S REPRESENTATIVE(S) IMMEDIATELY UPON COMPLETING THE SITE CLEARING WORK. FOR LARGE PROJECTS, SAID CLEARING CAN BE PERFORMED IN EXPLICITLY DESIGNATED AND FIELD LOCATED PHASED AREAS PROPOSED BY APPLICANT AND AS ACCEPTED BY THE TOWN'S REPRESENTATIVES.

## 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:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. 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.

3. 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.

4. 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.

5. 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.

6. 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 TO 55 CUBIC YARDS / ACRE.

7. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

## FDOT STANDARD NOTES

1. ALL MATERIALS AND CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY SHALL CONFORM TO THE (LATEST EDITION) FDOT DESIGN STANDARDS AND (LATEST EDITION) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

2. MAINTENANCE OF TRAFFIC M.O.T. FOR THIS PROJECT WILL COMPLY WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARD INDEX (600 SERIES) AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)." SPECIAL ATTENTION WILL BE GIVEN TO FDOT DESIGN STANDARD INDEX 611, 612, 613, AND 660.

3. PAVEMENT MARKINGS SHALL BE THERMOPLASTIC INSTALLED PER FDOT DESIGN STANDARD INDEX 17346. RAISED PAVEMENT MARKINGS (RPM'S) SHALL CONFORM TO FDOT DESIGN STANDARD INDEX 17352.

4. IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN FINAL ACCEPTANCE OF PERMITTED WORK (COMPLETED) AND THE RESTORATION OF THE RIGHT-OF-WAY FROM THE DEPARTMENT PRIOR TO USAGE.

5. PERMITTEE WILL PROVIDE THE NECESSARY DENSITIES IN ACCORDANCE WITH SECTION 125-8 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION (LATEST EDITION) PRIOR TO FINAL ACCEPTANCE BY THE DEPARTMENT.

6. PERMITTEE WILL RESTORE THE RIGHT OF WAY AS A MINIMUM, TO ITS ORIGINAL CONDITION OR BETTER IN ACCORDANCE W/ FLORIDA DEPARTMENT OF TRANSPORTATION 'S LATEST STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION OR AS DIRECTED BY THE RESIDENT OPERATIONS ENGINEER.

7. DURING THE REMOVAL/INSTALLATION OF ANY CURB AND GUTTER SECTION, THE PERMITTEE WILL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE ABUTTING ASPHALT. THE DAMAGED ASPHALT REPAIR WILL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS AND/OR AS DIRECTED BY THE RESIDENT OPERATIONS ENGINEER.

8. PERMITTEE SHALL PROVIDE THE PRODUCER'S CERTIFICATION (DELIVERY TICKET) FOR THE NS CONCRETE-2500 PSI (USED FOR SIDEWALK, CURB & GUTTER, DITCH PAVEMENT AND TRAFFIC SEPARATOR) PRIOR TO FINAL ACCEPTANCE BY THE DEPARTMENT. THE DELIVERY TICKET SHALL CERTIFY THE CONCRETE WAS BATCHED, DELIVERED AND PLACED IN ACCORDANCE WITH SECTION 347 OF THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).

9. SODDED AREAS WILL BE IN ACCORDANCE WITH STANDARD INDEX 105 AND SECTIONS 162, 981, 982, 983, 987 OF THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. ALL DISTURBED AREAS WILL BE SODDED WITHIN ONE (1) WEEK OF INSTALLATION OF SAID PERMITTED WORK.

10. OWNERSHIP OF ALL SUITABLE EXCAVATED MATERIALS, AS DETERMINED BY THE DEPARTMENT, SHALL REMAIN IN THE DEPARTMENT UNTIL A FINAL ACCEPTANCE OF THE PERMITTED PROJECT IS FULFILLED. EXCAVATED MATERIALS SHALL BE HAULED BY THE PERMITTEE, AT THEIR COST & EXPENSE FROM THE SITE TO THE ORLANDO OPERATIONS CENTER OR STOCKPILED IN THOSE AREAS AS DIRECTED BY THE DEPARTMENT, INCLUDING ASPHALT MILLINGS.

11. RESTRICTED HOURS OF OPERATION WILL BE FROM 9:00AM TO 3:30 PM, (MONDAY-FRIDAY), UNLESS OTHERWISE APPROVED BY THE OPERATIONS ENGINEER, OR DESIGNEE.

12. PERMITTEE WILL COORDINATE ALL WORK WITH BRETT DROUIN AT 561-370-1134, BRETT.DROUIN@DOT.STATE.FL.US. COORDINATION WILL INCLUDE A PRE-CONSTRUCTION MEETING.

13. ALL PUBLIC SIDEWALK CURB RAMPS WILL MEET THE ROADWAY & TRAFFIC DESIGN STANDARDS (CURRENT EDITION) INDEX NUMBER 304 CURB/RAMP INSPECTIONS (S) REQUIRED PRIOR TO INSTALLATION OF CONCRETE.

14. PERMIT IS VALID FOR ONE YEAR FROM DATE OF ISSUE.

15. PERMITTEE WILL PROVIDE THE DEPARTMENT WITH CERTIFIED "AS-BUILT" PLANS PRIOR TO FINAL ACCEPTANCE OF THE PERMITTED WORK.

16. PERMITEE WILL PROVIDE A SOIL TRACKING PREVENTION DEVICE IN ACCORDANCE WITH THE DEPARTMENT'S EROSION AND SEDIMENT CONTROL MANUAL (LATEST EDITION) AND SHALL HAVE A TRACTOR MOUNTED POWER BROOM ON SITE AT ALL TIMES. HOWEVER, IF NECESSARY, THE PERMITEE MAY BE REQUIRED TO PROVIDE A PRE/POST WATER WASH DOWN AREA.

**17. PERMITTEE'S CONTRACTORS THAT ARE PERFORMING PERMITTED WORK ACTIVITIES SHALL PROVE** THE **F.D.O.T. ORLANDO OPERATIONS OFFICE PROOF OF A PROPER STATE CONTRACTOR'S LICENSE AND CERTIFICATE OF LIABILITY INSURANCE PRIOR TO ANY COMMENCEMENT OF PERMITTED WORK.**

**18. INSTALLATION OF ALL NEW LANDSCAPE MATERIALS WILL BE IN ACCORDANCE WITH CURRENT EDITIONS OF THE STANDARD INDICES #546, 544, AND 700 (HORIZONTAL CLEARANCE/CLEAR ZONE REQUIREMENT) .**

**19. PERMIT IS VALID FOR ONE YEAR FROM DATE OF ISSUE.**

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FLORIDA LICENSE NUMBER
74685
DATE:

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| DRAWN BY | DFD |
| CHECKED BY | CJH |

# GENERAL NOTES

PUBLIC STORAGE APOPKA
2431 S. ORANGE BLOSSOM TRAIL
SEMINOLE COUNTY FLORIDA

SHEET NUMBER
C-001

Plotted By: Anderson, Sarah Sheet Set: 147654001 – Seminole Public Storage Layout: C-001 GENERAL NOTES – 147654001 June 11, 2020 06:26:17pm K:\VRB_LDEV\147654001 – Public Storage –Seminole County\CAD\PlanSheets\C-001 GENERAL NOTES – 147654001.dwg
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