

CONNERTON CORNER

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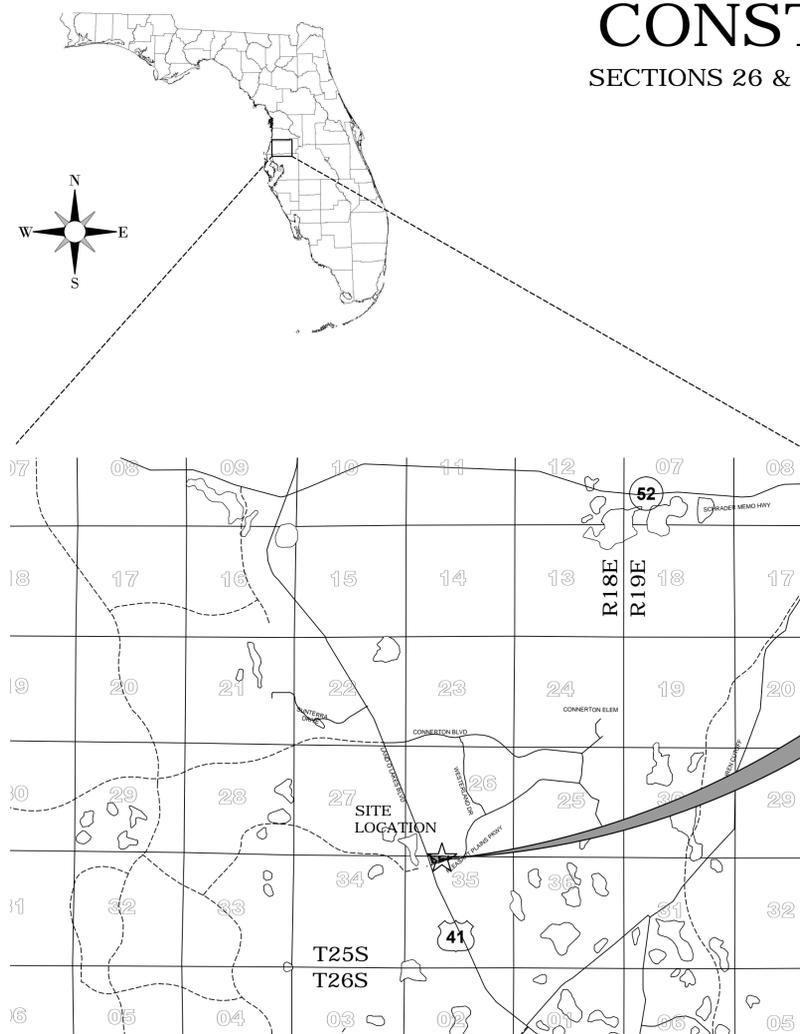
CONSTRUCTION PLAN

SECTIONS 26 & 35 TOWNSHIP 25 SOUTH, RANGE 18 EAST
 PASCO COUNTY, FLORIDA

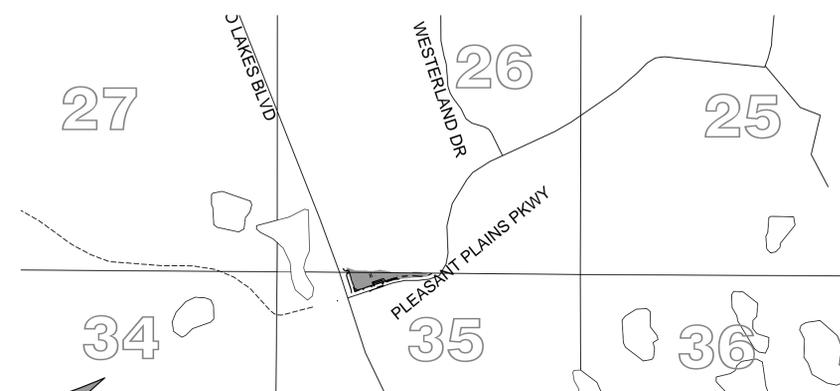
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LOCATION MAP
 (NOT TO SCALE)



SITE MAP
 (NOT TO SCALE)

DESCRIPTION: A PARCEL OF LAND LYING IN SECTIONS 26 AND 35, TOWNSHIP 25 SOUTH, RANGE 18 EAST, PASCO COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF SAID SECTION 26, RUN THENCE ALONG THE SOUTH BOUNDARY OF SAID SECTION 26, THE FOLLOWING TWO (2) COURSES: S.89°03'43"E., 123.33 FEET TO A POINT ON THE EASTERLY BOUNDARY OF THE ADDITIONAL RIGHT-OF-WAY FOR U.S. HIGHWAY NO. 301 (STATE ROAD NO. 45), AS RECORDED IN OFFICIAL RECORDS BOOK 7105, PAGE 1783, OF THE PUBLIC RECORDS OF PASCO COUNTY, FLORIDA, SAID POINT ALSO BEING THE POINT OF BEGINNING; 2) CONTINUE, S.89°03'43"E., 251.69 FEET; THENCE N.18°06'36"W., 26.45 FEET; THENCE ALONG A LINE LYING 25.00 FEET NORTH OF AND PARALLEL WITH THE AFORESAID SOUTH BOUNDARY OF SECTION 26, S.89°03'43"E., 1172.91 FEET TO A POINT ON THE WESTERLY BOUNDARY OF CONNERTON VILLAGE ONE PARCEL 103, AS RECORDED IN PLAT BOOK 52, PAGES 118 THROUGH 131, INCLUSIVE, OF THE PUBLIC RECORDS OF PASCO COUNTY, FLORIDA; THENCE ALONG SAID WESTERLY BOUNDARY, S.19°24"E., 77.24 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF PLEASANT PLAINS PARKWAY, AS SHOWN ON SAID PLAT OF CONNERTON VILLAGE ONE PARCEL 103, SAID POINT ALSO BEING THE SOUTHERLYMOST CORNER OF TRACT "B-2" (WETLAND CONSERVATION AREA), AS SHOWN ON SAID PLAT OF CONNERTON VILLAGE ONE PARCEL 103; THENCE ALONG SAID NORTHERLY RIGHT-OF-WAY LINE OF PLEASANT PLAINS PARKWAY, THE FOLLOWING THREE (3) COURSES: 1) WESTERLY, 241.94 FEET ALONG THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 405.00 FEET AND A CENTRAL ANGLE OF 34°13'37" (CHORD BEARING S.79°29'12"W., 238.35 FEET) TO A POINT OF REVERSE CURVATURE; 2) WESTERLY, 457.15 FEET ALONG THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 1060.00 FEET AND A CENTRAL ANGLE OF 24°42'36" (CHORD BEARING S.84°14'42"W., 453.61 FEET) TO A POINT OF TANGENCY; 3) S.71°53'24"W., 656.06 FEET TO A POINT OF CURVATURE, THENCE NORTHWESTERLY, 13.68 FEET ALONG THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 25.00 FEET AND A CENTRAL ANGLE OF 31°20'51" (CHORD BEARING S.87°33'50"W., 13.51 FEET) TO A POINT ON THE AFORESAID EASTERLY BOUNDARY OF THE ADDITIONAL RIGHT-OF-WAY FOR U.S. HIGHWAY NO. 41 (STATE ROAD NO. 45); THENCE ALONG SAID EASTERLY BOUNDARY, N.18°05'41"W., 383.49 FEET TO THE POINT OF BEGINNING.

CONTAINING 6.452 ACRES, MORE OR LESS.

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THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS, STATE OF FLORIDA IN EFFECT AT THE TIME OF PASCO COUNTY APPROVAL, AND ARE IN COMPLIANCE WITH THE STANDARDS THEREIN. ANY DEVIATIONS NOTED ON THE PLANS SUBSTANTIALLY COMPLY WITH THE INTENT OF THE STANDARDS.

PASCO COUNTY SUBMITTAL DATE:
 JUNE 22, 2015

CONNERTON CORNER

FIRST CAPITAL GROUP

DATE	DESCRIPTION	DATE	DESCRIPTION
06/22/2015	REVIEW SUBMITTAL		

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ELEVATIONS BASED ON: NORTH GEODETIC VERTICAL DATUM 1929 CONVERSION: NAVD 29 TO NGVD 88 = -0.84	
WATER COMMITMENT	
SEWER COMMITMENT	
SWFWMD	
WATER DEP	
SEWER DEP	
TAX PARCEL ID NO.	35-25-18-0000-00100-1040
	35-25-18-0000-00100-1060
PERMIT / FILE NUMBERS	

FLORIDA PROFESSIONAL ENGINEER		FILE: COVER	
		PROJECT NO:	FCG CT 1006
GRADING & DRAINAGE			
DESIGN BY:			NYB
DRAWN BY:			NYB
UTILITIES			
DESIGN BY:			NYB
DRAWN BY:			NYB
COVER SHEET			
C-100			
LARA G. BARTHOLOMEW		DATE: _____	
REGISTRATION NO. 61035			

<p>GENERAL EROSION AND TURBIDITY CONTROL NOTES</p> <ol style="list-style-type: none"> THE SITE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL EROSION AND TURBIDITY CONTROLS AND THE QUALITY AND QUANTITY OF OFFSITE OR WETLAND DISCHARGES. PRIOR TO CONSTRUCTION, THE SITE SUBCONTRACTOR IS RESPONSIBLE FOR HAVING HIS DEWATERING PLAN AND TURBIDITY CONTROL PLAN APPROVED BY THE APPLICABLE REVIEWING AGENCIES. REFER TO THE PROJECT'S PERMIT APPROVALS AND PERMIT CONDITIONS FOR AGENCIES REQUIRING SUCH REVIEW AND APPROVAL. QUESTIONS CONCERNING APPROPRIATE TECHNIQUES SHOULD BE ADDRESSED TO THOSE AGENCIES AND/OR DISCUSSED WITH THE PROJECT ENGINEER AND OWNER. THE APPROPRIATE TURBIDITY AND EROSION CONTROL METHODOLOGIES SELECTED BY THE SITE SUBCONTRACTOR FOR THIS PROJECT SHOULD BE MADE FOLLOWING ASSESSMENT OF THE PLANS AND PROJECT SITE SPECIFIC FACTORS AND AFTER CONSULTATIONS AS NEEDED WITH THE PROJECT ENGINEER AND APPROPRIATE AGENCIES. THE SITE SUBCONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ANY AND ALL NECESSARY PERMITS FOR SUCH ACTIVITY; SEVERAL FACTORS TO CONSIDER ARE LISTED BELOW: <ol style="list-style-type: none"> CLAY CONTENT IN EXCAVATED MATERIALS AND/OR PERMEABILITIES RATES DEPTH OF CUT IN PONDS, TRENCHES, OR UTILITY LINES AMBIENT GROUND WATER LEVELS ACTUAL RAINFALL AMOUNTS AND TIME OF YEAR RELATIVE TO NORMAL RAINY SEASON PROXIMITY TO WETLANDS, WATER BODIES OR OFFSITE PROPERTIES "CLASS" DESIGNATION OF RECEIVING WATER BODIES (I.E., "OUTSTANDING FLORIDA WATERS, SHELLFISH HARVESTING AREAS, ETC.) DENSITY, TYPE, AND PROXIMITY OF UPLAND VEGETATION TO BE RETAINED DURING CONSTRUCTION (FOR USE AS POSSIBLE FILTRATION AREAS) FILL HEIGHT RELATIVE TO NATURAL GRADE AND LENGTH AND STEEPNESS OF THE PROPOSED SLOPES EXISTING TOPOGRAPHY AND DIRECTIONS OF SURFACE FLOW TYPE OF EQUIPMENT USED PROJECT TYPE DURATION OF CONSTRUCTION ACTIVITIES SEPARATION DISTANCE OF ONSITE PONDS AMBIENT QUALITY OF SURFACE AND GROUNDWATER TEMPORARY STOCKPILE LOCATIONS AND HEIGHTS AT THE ONSET OF CONSTRUCTION, THE SITE SUBCONTRACTOR, AS THE PARTY RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN, SHALL ASSESS THE ABOVE DESCRIBED CONDITIONS AND FACTORS WITH RESPECT TO RELATIVE COST EFFECTIVENESS AND SELECT THE APPROPRIATE METHODS OF PROTECTION. A FAIRLY EXTENSIVE LIST OF TECHNIQUES ARE PRESENTED BELOW BUT IT MUST BE STRESSED THAT ANY OR ALL OF THE FOLLOWING MAY BE NECESSARY TO MAINTAIN WATER QUALITY AND QUANTITY STANDARDS. THE CONSTRUCTION SEQUENCING SHOULD BE THOUGHT OUT IN ADVANCE OF INITIATION TO PROVIDE ADEQUATE PROTECTION OF WATER QUALITY. DISCHARGES WHICH EXCEED 29 N.T.U.'S OVER THE BACKGROUND LEVELS ARE IN VIOLATION OF STATE WATER QUALITY STANDARDS. DISCHARGES OF WATER QUANTITIES WHICH AFFECT OFFSITE PROPERTIES OR MAY DAMAGE WETLANDS ARE ALSO PROHIBITED BY REGULATING AGENCIES. THE EROSION AND TURBIDITY CONTROL MEASURES SHOWN HEREON ARE THE MINIMUM REQUIRED FOR AGENCY APPROVAL. ADDITIONAL CONTROL AND MEASURES MAY BE REQUIRED DUE TO THE SITE SUBCONTRACTOR'S CONSTRUCTION SEQUENCE & UNFORESEEN WEATHER CONDITIONS. ANY ADDITIONAL MEASURES DEEMED NECESSARY BY THE SITE SUBCONTRACTOR SHALL BE INCLUDED IN THE LUMP SUM BID WITH NO EXTRAS FOR MATERIALS AND LABOR ALLOWED. HAY BALES OR SILT SCREENS SHALL BE INSTALLED PRIOR TO LAND CLEARING TO PROTECT WATER QUALITY AND TO IDENTIFY AREAS TO BE PROTECTED FROM CLEARING ACTIVITIES AND MAINTAINED FOR THE DURATION OF THE PROJECT UNTIL ALL SOIL IS STABILIZED. FLOATING TURBIDITY BARRIERS SHALL BE IN PLACE IN FLOWING SYSTEMS OR IN OPEN WATER LAKE EDGES PRIOR TO INITIATION OF EARTHWORK AND MAINTAINED FOR THE DURATION OF THE PROJECT UNTIL ALL SOIL IS STABILIZED. NO CLAY MATERIAL SHALL BE LEFT EXPOSED IN ANY STORMWATER STORAGE FACILITY. IF CLAY OR SANDY-CLAYS ARE ENCOUNTERED DURING STORMWATER STORAGE EXCAVATION, THE SITE SUBCONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY BEFORE PROCEEDING WITH FURTHER EXCAVATION. IF THE ENGINEER OF RECORD HAS DETERMINED THAT SUCH SOILS ARE NON-CONFINING AND MUST BE EXCAVATED TO MEET PERMIT AND DESIGN CONDITIONS, EXCAVATION MAY PROCEED AFTER OBTAINING WRITTEN AUTHORIZATION FROM THE APPROPRIATE GOVERNING AGENCY. IF SAID SOILS ARE LEFT EXPOSED AT THE PERMITTED AND DESIGNED DEPTH, THE SITE SUBCONTRACTOR SHALL OVER-EXCAVATE THE POND'S BOTTOM AND SIDE SLOPES BY A MINIMUM OF TWELVE (12") INCHES AND BACKFILL WITH CLEAN SANDS TO HELP PREVENT SUSPENSION OF FINE PARTICLES IN THE WATER COLUMN. THE INSTALLATION OF TEMPORARY EROSION CONTROL BARRIERS SHALL BE COORDINATED WITH THE CONSTRUCTION OF THE PERMANENT EROSION CONTROL FEATURES TO THE EXTENT NECESSARY TO ASSURE EFFECTIVE AND CONTINUOUS CONTROL OF EROSION AND WATER POLLUTION THROUGHOUT THE LIFE OF THE CONSTRUCTION PHASE. THE TYPE OF EROSION CONTROL BARRIERS USED SHALL BE GOVERNED BY THE NATURE OF THE CONSTRUCTION OPERATION AND SOIL TYPE THAT WILL BE EXPOSED. SILTY AND CLAYEY MATERIAL MAY REQUIRE SOLID SEDIMENT BARRIERS TO PREVENT TURBID WATER DISCHARGE, WHILE SANDY MATERIAL MAY NEED ONLY SILT SCREENS OR HAY BALES TO PREVENT EROSION. FLOATING TURBIDITY CURTAINS SHOULD GENERALLY BE USED IN OPEN WATER SITUATIONS. DIVERSION DITCHES OR SWALES MAY BE REQUIRED TO PREVENT TURBID STORMWATER RUNOFF FROM BEING DISCHARGED TO WETLANDS OR OTHER WATER BODIES. IT MAY BE NECESSARY TO EMPLOY A COMBINATION OF BARRIERS, DITCHES, AND OTHER EROSION/TURBIDITY CONTROL MEASURES IF CONDITIONS WARRANT. WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATERS FROM CONSTRUCTION AREAS, THE WATER SHALL BE TREATED PRIOR TO DISCHARGE TO THE WETLANDS. TREATMENT METHODS INCLUDE, FOR EXAMPLE, TURBID WATER BEING PUMPED INTO GRASSED SWALES OR APPROPRIATE UPLAND VEGETATED AREAS (OTHER THAN UPLAND PRESERVATION AREAS AND WETLAND BUFFERS), SEDIMENT BASINS, OR CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS OR LOW BERMS, AND KEPT CONFINED UNTIL TURBIDITY LEVELS MEET STATE WATER QUALITY STANDARDS. THE PERMITTEE SHALL SCHEDULE HIS OPERATIONS SUCH THAT THE AREA OF UNPROTECTED ERODIBLE EARTH EXPOSED AT ANY ONE TIME IS NOT LARGER THAN THE MINIMUM AREA NECESSARY FOR EFFICIENT CONSTRUCTION OPERATION, AND THE DURATION OF EXPOSED, UNCOMPLETED CONSTRUCTION TO THE ELEMENTS SHALL BE AS SHORT AS PRACTICABLE. CLEARING AND GRUBBING SHALL BE SO SCHEDULED AND PERFORMED SUCH THAT GRADING OPERATIONS CAN FOLLOW IMMEDIATELY THEREAFTER. GRADING OPERATIONS SHALL BE SO SCHEDULED AND PERFORMED THAT PERMANENT EROSION CONTROL FEATURES CAN FOLLOW IMMEDIATELY THEREAFTER IF CONDITIONS ON THE PROJECT PERMIT. WATER DERIVED FROM VARIOUS DEWATERING METHODS SHOULD BE PASSED THROUGH SUFFICIENTLY WIDE AREAS OF EXISTING UPLAND VEGETATION TO FILTER OUT EXCESS TURBIDITY. IF THIS IS NOT SUFFICIENT, THE WATER SHALL BE RETAINED IN PREVIOUSLY CONSTRUCTED PERMANENT STORMWATER PONDS OR ELSE RETAINED IN TEMPORARY SEDIMENTATION BASINS UNTIL THE CLARITY IS SUITABLE TO ALLOW FOR ITS DISCHARGE. PLUGGING THE OUTFALLS FROM COMPLETED STORMWATER PONDS MAY BE NEEDED TO AVOID DISCHARGE. HOWEVER, SUCH SITUATIONS SHOULD BE MONITORED CLOSELY TO PRECLUDE BERM FAILURE IF WATER LEVELS RISE TOO HIGH. WATER CAN BE TRANSPORTED AROUND THE SITE BY THE USE OF INTERNAL SWALES OR BY PUMPS AND PIPES. SHEET FLOW OF NEWLY FILLED OR SCRAPED AREAS MAY BE CONTROLLED OR CONTAINED BY THE USE OF BRUSH BARRIERS, DIVERSION SWALES, INTERCEPTOR DITCHES OR LOW BERMS. FLOW SHOULD BE DIRECTED TOWARD AREAS WHERE SEDIMENTS CAN SUFFICIENTLY SETTLE OUT. EXPOSED SOILS SHALL BE STABILIZED AS SOON AS POSSIBLE, ESPECIALLY SLOPES LEADING TO WETLANDS. STABILIZATION METHODS INCLUDE SOLID SOIL, SEEDING AND MULCHING OR HYDROMULCHING TO PROVIDE A TEMPORARY OR PERMANENT GRASS COVER MULCH BLANKETS, FILTER FABRICS, ETC., CAN BE EMPLOYED TO PROVIDE VEGETATIVE COVER. ENERGY DISSIPATORS (SUCH AS RIP RAP, A GRAVEL BED, HAY BALES, ETC.) SHALL BE INSTALLED AT THE DISCHARGE POINT OF PIPES OR SWALES IF SCOURING IS OBSERVED. ATTEMPT TO INSTALL ROADWAY CURB AND GUTTERS AS SOON AS POSSIBLE TO REDUCE THE SURFACE AREA FOR EROSION TO OCCUR. IMPLEMENT STORM DRAIN INLET PROTECTION (HAY BALES OR GRAVEL) TO LIMIT SEDIMENTATION WITHIN THE STORMWATER SYSTEM. PERFORM INSPECTIONS AND PERIODIC CLEANING OF SEDIMENTS WHICH WASH OUT INTO THE STREETS UNTIL ALL SOIL IS STABILIZED. WATER DISCHARGE VELOCITIES FROM IMPOUNDED AREAS AND TEMPORARY SEDIMENTATION BASINS SHALL BE RESTRICTED TO AVOID SCOURING IN RECEIVING AREAS. IF WATER CLARITY DOES NOT REDUCE TO STATE STANDARDS RAPIDLY ENOUGH IN HOLDING PONDS, IT MAY BE POSSIBLE TO USE CHEMICAL AGENTS SUCH AS ALUM TO FLOCCULATE OR COAGULATE THE SEDIMENT PARTICLES. HAY BALES, SILT SCREENS, OR GRAVEL BEDS CAN BE ADDED AROUND THE PIPE OR SWALE DISCHARGE POINTS TO HELP CLARIFY DISCHARGES. SPREADER SWALES MAY HELP DISSIPATE CLOUDY WATER PRIOR TO CONTACT WITH WETLANDS. ALL FUEL STORAGE AREAS OR OTHER HAZARDOUS STORAGE AREAS SHALL CONFORM TO ACCEPTED STATE OR FEDERAL CRITERIA FOR SUCH CONTAINMENT AREAS. VEHICLE OR EQUIPMENT WASHDOWN AREAS WILL BE SUFFICIENTLY REMOVED FROM WETLANDS OR OFFSITE AREA. FUGITIVE DUST CONTROLS (PRIMARILY BY USING WATER SPRAY TRUCKS) SHALL BE EMPLOYED AS NEEDED TO CONTROL WINDBORNE EMISSIONS. IF THE ABOVE CONTROLS REMAIN INEFFECTIVE IN PRECLUDING RELEASE OF TURBID WATER, ESPECIALLY DURING POND OR UTILITY LINE DEWATERING, THEN THE CONTRACTOR MAY BE COMPELLED TO USE A VERTICAL DEWATERING SYSTEM SUCH AS WELL POINTS OR SOCK DRAINS TO WITHDRAW GROUNDWATER WHICH MAY ALREADY BE CLEAR ENOUGH TO ALLOW FOR DIRECT DISCHARGE TO WETLANDS. ONGOING INSPECTIONS AND PERIODIC MAINTENANCE BY THE SITE SUBCONTRACTOR SHALL OCCUR THROUGHOUT CONSTRUCTION AS NECESSARY TO INSURE THE ABOVE METHODS ARE WORKING SUITABLY. THIS MAY BE NEEDED DAILY, IF CONDITIONS SO WARRANT. SITE SUBCONTRACTORS ARE ENCOURAGED TO OBTAIN AND THOROUGHLY REVIEW THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT, WHICH WAS DEVELOPED BY THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION IN 1988. THIS PROVIDES FAIRLY IN-DEPTH DISCUSSIONS OF RECOMMENDED TECHNIQUES AND ALSO PROVIDES SPECIFIC DESIGN AND TECHNICAL STANDARDS. A COPY OF THIS DOCUMENT IS AVAILABLE FOR REVIEW AT HEIDT DESIGN, LLC. THE CONTRACTOR WILL PERFORM DAILY INSPECTIONS OF ALL ON-SITE WETLANDS WITHIN THE CONSTRUCTION AREA TO ENSURE THAT WATER LEVELS WITHIN THOSE WETLANDS ARE NOT EXCESSIVELY IMPOUNDED PRIOR TO THE TIME WHEN THE PERMITTED CONTROL STRUCTURE OR OUTFALL IS BUILT. WATER LEVELS SIGNIFICANTLY ABOVE NORMAL SHOULD BE CORRECTED AT A FREQUENCY THAT PREVENTS A CHANGE IN THE VEGETATIVE CHARACTER OR HEALTH OF ANY WETLANDS. 	<p>SOIL REUSE REQUIREMENTS</p> <p>AT LEAST THE FOLLOWING SIX (6) TYPES OF MATERIALS ARE PRESENT ON-SITE THAT REQUIRE PROPER HANDLING/TREATMENT BY THE CONTRACTOR, DURING THE COURSE OF SITE DEVELOPMENT/CONSTRUCTION ACTIVITIES. IN ACCORDANCE WITH THE NOTED SOIL REUSE REQUIREMENTS FOR EACH TYPE, ALTHOUGH SOME SOIL MATERIAL QUALITY CONTROL TESTING WILL BE RANDOMLY AND PERIODICALLY PERFORMED BY THE PROJECT GEOTECHNICAL CONSULTANT, AS REQUIRED, WORKING FOR THE OWNER, IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO REUSE ONSITE SOIL MATERIALS AS DESCRIBED AND SPECIFIED BELOW. ALL DISCOVERED OR FUTURE FILLING OR MATERIAL REUSE WORK ONSITE NOT IN ACCORDANCE OR COMPLIANCE WITH THESE NOTES, OR ANY FUTURE ADVERSE IMPACTS OR CONSEQUENCES RESULTING FROM THE CONTRACTORS FAILURE TO PROPERLY REUSE SOIL MATERIALS ONSITE AS SPECIFICALLY DESCRIBED BELOW, WILL BE THE CONTRACTORS SOLE RESPONSIBILITY FOR REMEDY AND REPAIR AT HIS COST. IF THE CONTRACTOR HAS ANY QUESTIONS REGARDING ANY OF THE SOIL MATERIALS ONSITE, THE PROJECT GEOTECHNICAL REPORTS (WHICH HE NEEDS TO OBTAIN FROM THE OWNER OR GEOTECHNICAL CONSULTANT/ENGINEER), OR ANY QUESTIONS ASSOCIATED WITH THE NOTES BELOW, IT IS PRESUMED THAT THE CONTRACTOR WILL SATISFACTORILY RESOLVE SUCH QUESTIONS/CONCERNS PRIOR TO SITE DEMOLITION, CLEARING, GRUBBING, STRIPPING AND EXCAVATION OPERATIONS BEGIN.</p> <p>PLEASE NOTE, LOCAL, STATE AND FEDERAL RULES, LAWS, AND REGULATIONS PROHIBITING SOIL REUSE AS DESCRIBED BELOW SHALL TAKE PRECEDENCE AND SHALL BE FOLLOWED TO THE FULLEST EXTENT.</p> <ol style="list-style-type: none"> SITE DEMOLITION DEBRIS (SITE DEMOLITION DEBRIS, NOT GENERALLY CONSIDERED AN ENVIRONMENTAL/CONTAMINATION HAZARD, INCLUDES SUCH ITEMS AS WOOD PIECES, CONCRETE PIECES, PLASTIC PIPE PIECES, CERTAIN METAL/STEEL PIECES, OR SIMILAR. IF ANY SUCH DEBRIS OR OTHER DEMOLITION DEBRIS IS CONSIDERED AN ENVIRONMENTAL/CONTAMINATION HAZARD, OR IF BURIAL ONSITE OF SUCH MATERIALS IS PROHIBITED BY THE GOVERNING ENVIRONMENTAL AGENCY, THEN ALL SUCH MATERIALS SHALL BE HAULED OFF SITE BY THE CONTRACTOR FOR PROPER DISPOSAL. IN ACCORDANCE WITH ALL APPLICABLE GOVERNING ENVIRONMENTAL AGENCY REQUIREMENTS. IN NO CASE, SHALL ANY SUCH DEBRIS MATERIALS REMAIN, OR BE PLACED BY THE CONTRACTOR, BENEATH ANY TYPE OF STRUCTURE, PAVEMENT, ROADWAY, HOUSE, BUILDING, PIPELINE, SLAB, ETC.) <p>ALL SITE DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE DEVELOPMENT AND DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL APPLICABLE GOVERNING ENVIRONMENTAL AGENCY REQUIREMENTS.</p> <ol style="list-style-type: none"> CLEARING AND GRUBBING DEBRIS (SITE CLEARING AND GRUBBING DEBRIS INCLUDES ALL LARGER ORGANIC MATERIALS, SUCH ITEMS AS TREES, STUMPS, LIMBS, BRUSH, VEGETATION, OR SIMILAR; ALL SUCH MATERIALS MUST BE EITHER "BURNED" OR "MULCHED" BY THE CONTRACTOR PRIOR TO REUSE OR DISPOSAL ONSITE.) <p>IF ACCEPTABLE TO THE GOVERNING ENVIRONMENTAL AGENCY, THEN ALL SUCH "BURNED" OR "MULCHED" SITE CLEARING/GRUBBING DEBRIS, IF APPROVED IN WRITING FIRST BY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER, COULD BE:</p> <ol style="list-style-type: none"> PLACED AS "MULCH" MATERIAL SURFACE DRESSING IN FUTURE LANDSCAPE AREAS, STOCKPILING OF SUCH "MULCHED" MATERIALS (AMOUNTS/LOCATIONS), IF ACCEPTABLE, WILL BE DIRECTED BY THE OWNER/GEOTECHNICAL CONSULTANT/LANDSCAPE ARCHITECT/ENGINEER; PLACED IN TEMPORARILY EXCAVATED LITTORAL SHELF AREAS IN SELECTED STORMWATER PONDS, OR IN TEMPORARILY EXCAVATED SELECTED WETLAND MITIGATION PONDS, IN EITHER CASE NOT IN SIDE BANKS AND NOT BELOW THE PERMITTED DESIGN DEPTH OF THE POND, OR SUCH DEBRIS COULD BE BURIED IN TEMPORARILY EXCAVATED PASSIVE RECREATION/PARK AREAS (AT LEAST 30 FEET FROM ANY STRUCTURE) AT APPROVED DEPTHS/LOCATIONS, BUT ALL THESE DISPOSAL AREAS WILL REQUIRE ADEQUATE SOIL MIXING (MIX SOIL WITH THE MULCH) AND THEN REFILLING (WITH COMPACTION) TO REQUIRED DESIGN GRADES; PLACED ALONG THE BOTTOM OF SELECTED FLOODPLAIN MITIGATION PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED EXCAVATION DEPTH OF THE POND, BUT WILL REQUIRE ADEQUATE SOIL COVER; PLACED ALONG THE BOTTOM OF SELECTED DEEPER STORMWATER PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED DESIGN DEPTH, BUT WILL REQUIRE ADEQUATE SOIL COVER. <p>IN ALL INSTANCES, THE MINIMUM POND DEPTH (INCLUDING FLOODPLAIN AND WETLAND MITIGATION AREAS) SHALL BE NO LESS THAN REQUIRED BY THE ENGINEER.</p> <p>ALL ORGANIC DEBRIS BURIAL AREAS IN STORMWATER POND AREAS AND FLOODPLAIN MITIGATION POND AREAS WILL REQUIRE ADEQUATE SOIL COVER OF 18 - 24 INCHES (WITH COMPACTION) BY THE CONTRACTOR, MEANING AT LEAST AN ADEQUATE WEIGHT/THICKNESS OF SOIL MATERIAL OVERTOP THE BURIED ORGANIC DEBRIS, SUCH THAT THERE WILL BE NO FUTURE FLOATING UP OF DEBRIS; AND FOR ALL ORGANIC DEBRIS BURIAL AREAS IN LITTORAL SHELF AREAS, WETLAND MITIGATION POND AREAS, AND PASSIVE RECREATION/PARK AREAS, ADEQUATE SOIL/MULCH MIXING (WITH COMPACTION) WILL BE NECESSARY BY THE CONTRACTOR, SUCH THAT NO SIGNIFICANT FUTURE UNACCEPTABLE SETTLEMENT OF A LITTORAL SHELF AREA, CREATED WETLAND AREA, OR PARK/GRASSED AREA WILL OCCUR.</p> <p>IF ANY OF THESE PROCEDURES ARE CONTEMPLATED BY THE CONTRACTOR, THEN THE CONTRACTOR SHALL NOTIFY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER IN WRITING, AT THE START OF CONSTRUCTION, WITH SOME SPECIFIC INFORMATION, INCLUDING THE ESTIMATED QUANTITY AND TYPES OF MATERIALS, TO WHICH STORMWATER PONDS, FLOODPLAIN MITIGATION PONDS, WETLAND MITIGATION PONDS, OR PASSIVE RECREATION/PARK AREAS THEY PROPOSE TO USE FOR THIS TYPE OF ORGANIC DEBRIS DISPOSAL, AND WHAT APPROXIMATE ELEVATIONS WILL BE THE TOP AND BOTTOM OF THE ORGANIC DEBRIS.</p> <ol style="list-style-type: none"> MUCK/PEAT ORGANIC MATERIALS (TYPICALLY GENERATED FROM WETLAND OR LOWLAND AREAS, OR SIMILAR AREAS, PERMITTED FOR IMPACT OR DISPLACEMENT, INCLUDING EXCAVATION OF UNSUITABLE ORGANIC MATERIALS AND REFILLING WITH SUITABLE SANDY SOILS TO ACCOMMODATE DEVELOPMENT; INCLUDES SIGNIFICANT ORGANIC PEAT MATERIALS, ORGANIC SANDY MUCK MATERIALS, AND MUCKY OR ORGANIC SAND MATERIALS, DESIGNATED EITHER PT OR A-8, PER THE UNIFIED AND AASHTO SOIL CLASSIFICATION SYSTEMS, RESPECTIVELY; THOSE ORGANIC MATERIALS WHOSE PRESENCE, OR PLACEMENT BY THE CONTRACTOR, IS UNACCEPTABLE BENEATH ANY TYPE OF STRUCTURE, PAVEMENT, ROADWAY, HOUSE, BUILDING, PIPELINE, SLAB, ETC.) <p>IF ACCEPTABLE TO THE GOVERNING ENVIRONMENTAL AGENCY, THEN ALL SUCH MUCK/PEAT (SIGNIFICANT) ORGANIC MATERIALS, IF APPROVED IN WRITING FIRST BY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER, COULD BE:</p> <ol style="list-style-type: none"> PLACED AS "PEAT/MUCK/ORGANIC MATTER" SURFACE LAYER IN NEW OR CREATED WETLAND MITIGATION AREAS, STOCKPILING OF SUCH "SIGNIFICANT ORGANIC" MATERIALS (AMOUNTS/LOCATIONS), IF ACCEPTABLE, WILL BE DIRECTED BY THE OWNER/WETLAND CONSULTANT; PLACED IN TEMPORARILY EXCAVATED LITTORAL SHELF AREAS IN SELECTED STORMWATER PONDS, OR IN TEMPORARILY EXCAVATED SELECTED WETLAND MITIGATION PONDS, IN EITHER CASE NOT IN SIDE BANKS AND NOT BELOW THE PERMITTED DESIGN DEPTH OF THE POND, OR SUCH ORGANIC MATERIALS COULD BE BURIED IN TEMPORARILY EXCAVATED PASSIVE RECREATION/PARK AREAS (AT LEAST 30 FEET FROM ANY STRUCTURE) AT APPROVED DEPTHS/LOCATIONS, BUT ALL THESE DISPOSAL AREAS WILL REQUIRE ADEQUATE SOIL MIXING (MIX SOIL WITH THE ORGANIC MATERIALS) AND THEN REFILLING (WITH COMPACTION) TO REQUIRED DESIGN GRADES; PLACED ALONG THE BOTTOM OF SELECTED FLOODPLAIN MITIGATION PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED EXCAVATION DEPTH OF THE POND, BUT WILL REQUIRE ADEQUATE SOIL COVER; PLACED ALONG THE BOTTOM OF SELECTED DEEPER STORMWATER PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED DESIGN DEPTH, BUT WILL REQUIRE ADEQUATE SOIL COVER. <p>ALL ORGANIC DEBRIS BURIAL AREAS IN STORMWATER POND AREAS AND FLOODPLAIN MITIGATION POND AREAS WILL REQUIRE ADEQUATE SOIL COVER (WITH COMPACTION) BY THE CONTRACTOR, MEANING AT LEAST AN ADEQUATE WEIGHT/THICKNESS OF SOIL MATERIAL OVERTOP THE BURIED ORGANIC DEBRIS, SUCH THAT THERE WILL BE NO FUTURE FLOATING UP OF DEBRIS; AND FOR ALL ORGANIC DEBRIS BURIAL AREAS IN LITTORAL SHELF AREAS, WETLAND MITIGATION POND AREAS, AND PASSIVE RECREATION/PARK AREAS,</p>	<p>ADEQUATE SOIL/ORGANICS MIXING (WITH COMPACTION) WILL BE NECESSARY BY THE CONTRACTOR, SUCH THAT NO SIGNIFICANT FUTURE UNACCEPTABLE SETTLEMENT OF A LITTORAL SHELF AREA, CREATED WETLAND AREA, OR PARK/GRASSED AREA WILL OCCUR.</p> <p>IF ANY OF THESE PROCEDURES ARE CONTEMPLATED BY THE CONTRACTOR, THEN THE CONTRACTOR SHALL NOTIFY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER IN WRITING, AT THE START OF CONSTRUCTION, WITH SOME SPECIFIC INFORMATION, INCLUDING THE ESTIMATED QUANTITY AND TYPES OF MATERIALS, TO WHICH STORMWATER PONDS, FLOODPLAIN MITIGATION PONDS, WETLAND MITIGATION PONDS, OR PASSIVE RECREATION/PARK AREAS THEY PROPOSE TO USE FOR THIS TYPE OF ORGANIC MATERIAL DISPOSAL, AND WHAT APPROXIMATE ELEVATIONS WILL BE THE TOP AND BOTTOM OF THE ORGANIC MATERIALS.</p> <ol style="list-style-type: none"> TOPSOILS/SITE STRIPPINGS (TYPICALLY GENERATED FROM UPLAND AREAS, AFTER DEMOLITION/CLEARING/GRUBBING/DISCING OPERATIONS; STRIPPING OF SURFICIAL ORGANICS/TOPSOILS BEING A REQUIREMENT OVER AT LEAST ALL STRUCTURE, BUILDING, CONCRETE SLAB AND PAVEMENT AREAS PRIOR TO FILLING TO ACCOMMODATE DEVELOPMENT; INCLUDES TOPSOILS AND ORGANIC LADEN SANDS; THOSE TOPSOILS/ORGANIC MATERIALS WHOSE PRESENCE, OR PLACEMENT BY THE CONTRACTOR, IS UNACCEPTABLE BENEATH ANY TYPE OF STRUCTURE, PAVEMENT, ROADWAY, HOUSE, BUILDING, PIPELINE, SLAB, ETC.) <p>IF ACCEPTABLE TO THE GOVERNING ENVIRONMENTAL AGENCY, ALL SUCH TOPSOILS/ORGANIC LADEN SAND MATERIALS, IF APPROVED IN WRITING FIRST BY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER, COULD BE:</p> <ol style="list-style-type: none"> PLACED AS FILL IN NEW (LARGER) LANDSCAPE/GRASS COMMON AREAS OR LANDSCAPE BERM AREAS (WITH COMPACTION), STOCKPILING OF SUCH "TOPSOILS/ORGANIC LADEN SAND MATERIALS" (AMOUNTS/LOCATIONS), IF ACCEPTABLE, WILL BE DIRECTED BY THE OWNER/LANDSCAPE CONSULTANT; PLACED IN TEMPORARILY EXCAVATED LITTORAL SHELF AREAS IN SELECTED STORMWATER PONDS, OR IN TEMPORARILY EXCAVATED SELECTED WETLAND MITIGATION PONDS, IN EITHER CASE NOT IN SIDE BANKS AND NOT BELOW THE PERMITTED DESIGN DEPTH OF THE POND, OR SUCH TOPSOILS/ORGANIC LADEN SAND MATERIALS COULD BE BURIED IN TEMPORARILY EXCAVATED PASSIVE RECREATION/PARK AREAS (AT LEAST 30 FEET FROM ANY STRUCTURE) AT APPROVED DEPTHS/LOCATIONS, BUT ALL THESE DISPOSAL AREAS WILL REQUIRE REFILLING (WITH COMPACTION) TO REQUIRED DESIGN GRADES; PLACED ALONG THE BOTTOM OF SELECTED FLOODPLAIN MITIGATION PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED EXCAVATION DEPTH OF THE POND; PLACED ALONG THE BOTTOM OF SELECTED DEEPER STORMWATER PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED DESIGN DEPTH. <p>ALL TOPSOIL/ORGANIC LADEN SAND DISPOSAL AREAS IN LITTORAL SHELF AREAS, WETLAND MITIGATION POND AREAS, PASSIVE RECREATION/PARK AREAS, OR LANDSCAPE/BERM AREAS WILL REQUIRE ADEQUATE COMPACTION BY THE CONTRACTOR, SUCH THAT NO SIGNIFICANT FUTURE UNACCEPTABLE SETTLEMENT OF A LITTORAL SHELF AREA, CREATED WETLAND AREA, PARK/GRASSED AREA, OR LANDSCAPE BERM WILL OCCUR.</p> <p>IF ANY OF THESE PROCEDURES ARE CONTEMPLATED BY THE CONTRACTOR, THEN THE CONTRACTOR SHALL NOTIFY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER IN WRITING, AT THE START OF CONSTRUCTION, WITH SOME SPECIFIC INFORMATION, INCLUDING THE ESTIMATED QUANTITY AND TYPES OF MATERIALS, TO WHICH STORMWATER PONDS, FLOODPLAIN MITIGATION PONDS, WETLAND MITIGATION PONDS, PASSIVE RECREATION/PARK AREAS, OR LANDSCAPE BERM AREAS THEY PROPOSE TO USE FOR THIS TYPE OF ORGANIC DEBRIS DISPOSAL, AND WHAT APPROXIMATE ELEVATIONS WILL BE THE TOP AND BOTTOM OF THE ORGANIC DEBRIS.</p> <ol style="list-style-type: none"> NON-STRUCTURAL CLAYEY SAND/CLAY MATERIALS (TYPICALLY GENERATED FROM POND/LAKE EXCAVATIONS OR FROM UTILITY PIPELINE/MANHOLE EXCAVATIONS; SUCH CLAYEY SAND/CLAY MATERIALS, WITH TYPICALLY 40% FINES OR MORE PASSING THE NO. 200 SIEVE, DESIGNATED EITHER SC, CL, CH OR A-4 TO A-7, PER THE UNIFIED AND AASHTO SOIL CLASSIFICATION SYSTEMS, RESPECTIVELY; SUCH CLAYEY SAND/CLAY MATERIALS BEING UNSUITABLE OR UNACCEPTABLE FOR REUSE BY THE CONTRACTOR AS BUILDING PAD FILL, STRUCTURAL FILL, ROADWAY EMBANKMENT FILL, AND PIPELINE OR MANHOLE EXCAVATION BACKFILL.) <p>IF ACCEPTABLE TO THE GOVERNING ENVIRONMENTAL AGENCY, ALL SUCH CLAYEY SAND/CLAY MATERIALS, IF APPROVED IN WRITING FIRST BY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER, COULD BE:</p> <ol style="list-style-type: none"> PLACED AS FILL IN NEW (LARGER) LANDSCAPE/GRASS COMMON AREAS OR LANDSCAPE BERM AREAS (WITH COMPACTION), PROVIDE SOME SURFACE DRAINAGE RELIEF, USE WHERE INFILTRATION AND DRAINAGE IS NOT AN IMPORTANT ISSUE, PROVIDE SOME SURFACE SANDY SOILS (MIN. OF 18-INCHES) AS DIRECTED BY THE LANDSCAPE CONSULTANT FOR PLANTING; STOCKPILING OF SUCH "CLAYEY SAND/CLAY MATERIALS" (AMOUNTS/LOCATIONS), IF ACCEPTABLE, WILL BE DIRECTED BY THE OWNER/LANDSCAPE CONSULTANT; PLACED IN TEMPORARILY EXCAVATED LITTORAL SHELF AREAS IN SELECTED STORMWATER PONDS, OR IN TEMPORARILY EXCAVATED SELECTED WETLAND MITIGATION PONDS, IN EITHER CASE NOT IN SIDE BANKS AND NOT BELOW THE PERMITTED DESIGN DEPTH OF THE POND, OR SUCH CLAYEY SAND/CLAY MATERIALS COULD BE BURIED IN TEMPORARILY EXCAVATED PASSIVE RECREATION/PARK AREAS (AT LEAST 30 FEET FROM ANY STRUCTURE) AT APPROVED DEPTHS/LOCATIONS, BUT ALL THESE DISPOSAL AREAS WILL REQUIRE REFILLING (WITH COMPACTION) TO REQUIRED DESIGN GRADES, AND THE TOP 2 FEET (MIN.) BEING SAND MATERIALS (NOT CLAYEY MATERIALS) FOR TURBIDITY CONTROL AND PLANTING; PLACED ALONG THE BOTTOM OF SELECTED FLOODPLAIN MITIGATION PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED EXCAVATION DEPTH OF THE POND; HOWEVER, A 12-INCH LAYER (MIN.) OF SAND MATERIAL OVERTOP THE CLAYEY MATERIALS WILL BE NECESSARY FOR TURBIDITY CONTROL. PLACED ALONG THE BOTTOM OF SELECTED DEEPER STORMWATER PONDS (NOT IN SIDE BANKS), NOT BELOW THE PERMITTED DESIGN DEPTH, HOWEVER, A 12-INCH LAYER (MIN.) OF SAND MATERIAL OVERTOP THE CLAYEY MATERIALS WILL BE NECESSARY FOR TURBIDITY CONTROL. <p>ALL CLAYEY SAND/CLAY DISPOSAL AREAS IN LITTORAL SHELF AREAS, WETLAND MITIGATION POND AREAS, PASSIVE RECREATION/PARK AREAS, OR LANDSCAPE/BERM AREAS WILL REQUIRE ADEQUATE COMPACTION BY THE CONTRACTOR, SUCH THAT NO SIGNIFICANT FUTURE UNACCEPTABLE SETTLEMENT OF A LITTORAL SHELF AREA, CREATED WETLAND AREA, PARK/GRASSED AREA, OR LANDSCAPE BERM WILL OCCUR.</p> <p>IF ANY OF THESE PROCEDURES ARE CONTEMPLATED BY THE CONTRACTOR, THEN THE CONTRACTOR SHALL NOTIFY THE OWNER/GEOTECHNICAL CONSULTANT/ENGINEER IN WRITING, AT THE START OF CONSTRUCTION, WITH SOME SPECIFIC INFORMATION, INCLUDING THE ESTIMATED QUANTITY AND TYPES OF MATERIALS, TO WHICH STORMWATER PONDS, FLOODPLAIN MITIGATION PONDS, WETLAND MITIGATION PONDS, PASSIVE RECREATION/PARK AREAS, OR LANDSCAPE BERM AREAS THEY PROPOSE TO USE FOR THIS TYPE OF CLAYEY SAND/CLAY DISPOSAL, AND WHAT APPROXIMATE ELEVATIONS WILL BE THE TOP AND BOTTOM OF THE CLAYEY MATERIALS.</p> <ol style="list-style-type: none"> STRUCTURAL SAND FILL MATERIALS (TYPICALLY GENERATED FROM POND/LAKE EXCAVATIONS, CUT FROM HIGHER ELEVATION AREAS, OR FROM UTILITY PIPELINE/MANHOLE EXCAVATIONS; SUCH SAND MATERIALS, WITH TYPICALLY 35% FINES OR LESS PASSING THE NO. 200 SIEVE, DESIGNATED EITHER SP, SP-SM, SM OR A-2-4, A-2-6 OR A-3, PER THE UNIFIED AND AASHTO SOIL CLASSIFICATION SYSTEMS, RESPECTIVELY; SUCH SAND MATERIALS BEING SUITABLE OR ACCEPTABLE FOR REUSE BY THE CONTRACTOR AS BUILDING PAD FILL, STRUCTURAL FILL, ROADWAY EMBANKMENT FILL, AND PIPELINE OR MANHOLE EXCAVATION BACKFILL.) <p>ALL SUCH SAND MATERIALS SHALL BE REUSED ONSITE BY THE CONTRACTOR, PER THE GEOTECHNICAL REPORTS, AS BUILDING PAD FILL, STRUCTURAL FILL, ROADWAY EMBANKMENT FILL, AND PIPELINE OR MANHOLE EXCAVATION BACKFILL; PLACED BY THE CONTRACTOR IN LOOSE LIFTS NOT EXCEEDING 12-INCHES, COMPACTED TO AT LEAST 95% OR 98% MODIFIED PROCTOR (PER ASTM D-1557 OR AASHTO T-180), WHICHEVER IS APPLICABLE DEPENDING UPON THE FUTURE USE OF THE FILLED AREA (SEE GEOTECHNICAL REPORTS); WITH DENSITY TESTING OF EACH FILL LIFT FOR ACCEPTANCE BY THE GEOTECHNICAL CONSULTANT, UPON CONTRACTOR REQUEST, PRIOR TO THE NEXT FILL LIFT BEING PLACED.</p>	<p>WETLAND NOTES:</p> <p>There are no wetland impacts proposed and therefore, no mitigation required.</p> <p>"Conservation Area" designation is given to all protected wetlands per Pasco County requirements. They are not designated as "Conservation Easements" for SWFWMD compensation.</p> <p>Wetland lines permitted under ERP No. 4402 3534.006</p> <p>EARTHWORK NOTE:</p> <ol style="list-style-type: none"> All acceptable material excavated from stormwater detention ponds will be reused as fill for Connernton Corner mass grading. There will be no net earthwork export from Connernton Corner. <p>EARTHWORK:</p> <ol style="list-style-type: none"> Estimated earthwork quantities are as follows: <ul style="list-style-type: none"> Connernton Corner Mass Grading Cut = 12,200 Cu. Yd Connernton Corner Mass Grading Fill = 23,800 Cu. Yd <p>Net Excess Material = 0 Cu. Yd.</p>
			<p>ELEVATIONS BASED ON: NORTH GEODETIC VERTICAL DATUM 1929 CONVERSION NAVD 29 TO NGVD 88 = -0.84</p>



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CONNERNTON CORNER

GENERAL NOTES

FIRST CAPITAL GROUP

PREPARED FOR:

REVISION	DATE	DESCRIPTION
1	06/22/2015	REVIEW SUBMITTAL

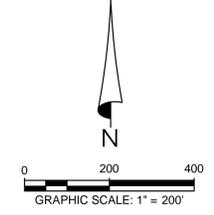
PROJECT NO: FCG CT 1006
FILE: GNOTES
DESIGN BY: NYB
DRAWN BY: NYB

FLORIDA PROFESSIONAL ENGINEER

LARA G. BARTHOLOMEW
DATE: _____
REGISTRATION NO. 61035

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GENERAL LEGEND

- WETLAND LINE
- WETLAND CONS. AREA SETBACK
- FEMA FLOOD ZONE BOUNDARY
- PROPERTY LINE

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CONNERTON CORNER
AERIAL SITE PLAN
PREPARED FOR: FIRST CAPITAL GROUP

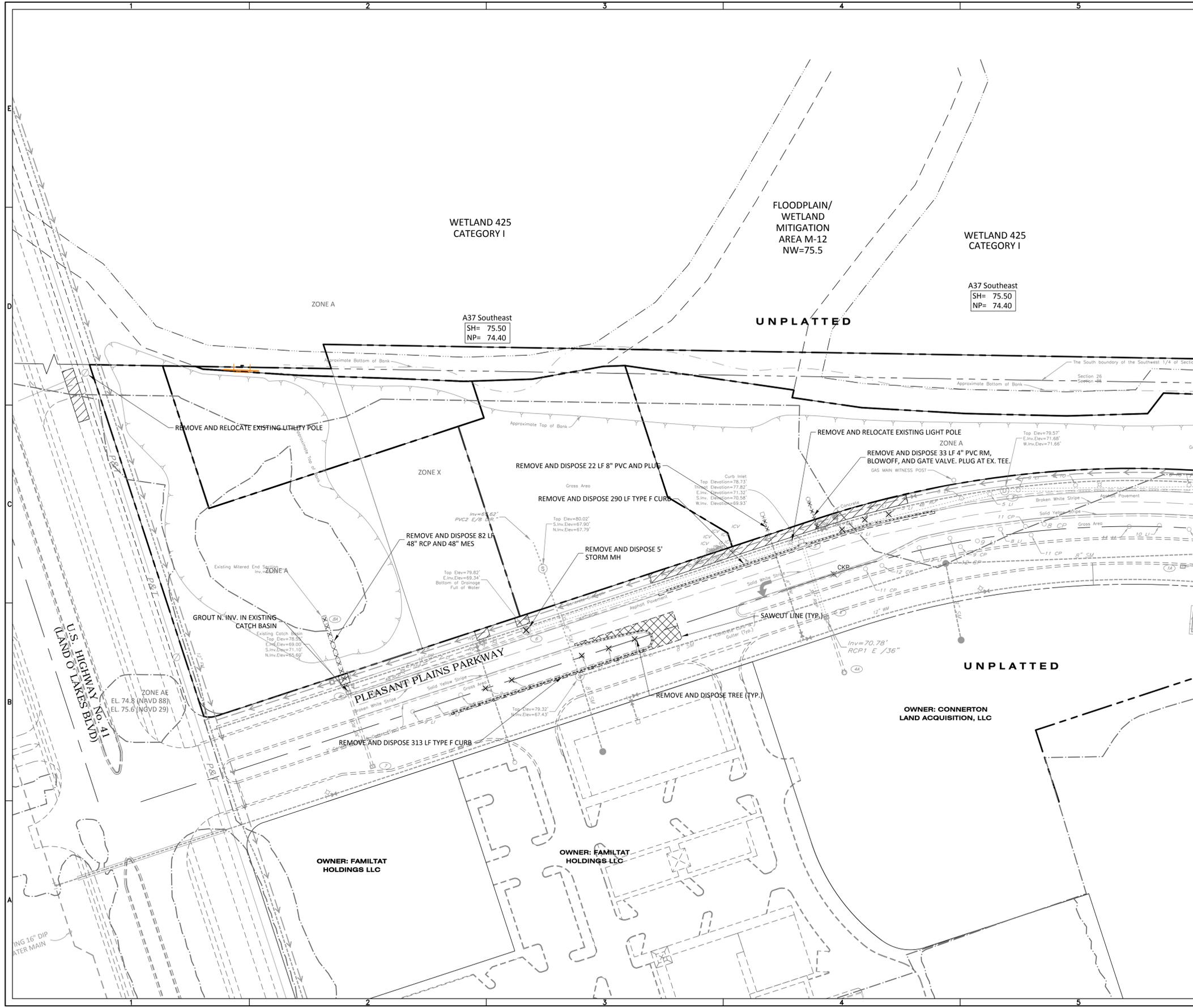
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1	06/27/2015	REVIEW SUBMITTAL

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 0 50 100
 GRAPHIC SCALE: 1" = 50'
 ELEVATIONS BASED ON:
 NORTH GEODETIC VERTICAL DATUM 1929
 CONVERSION:
 NAVD 29 TO NGVD 88 = -0.84

GENERAL LEGEND

--- EPCWL ---	WETLAND LINE
--- WCAS ---	WETLAND CONS. AREA SETBACK
⊗ 12" Oak	EXISTING TREE TO BE REMOVED
○ 12" Oak	EXISTING TREE TO BE PROTECTED
◇	PROPOSED TREE BARRICADE
□	STAKED EROSION CONTROL
-----	REMOVE AND DISPOSE CURB
-X-X-X-X-	REMOVE AND DISPOSE UTILITY
-----	FEMA FLOOD ZONE BOUNDARY
▨	REMOVE AND DISPOSE SIDEWALK TO EXISTING JOINTS
▩	REMOVE AND DISPOSE PAVEMENT

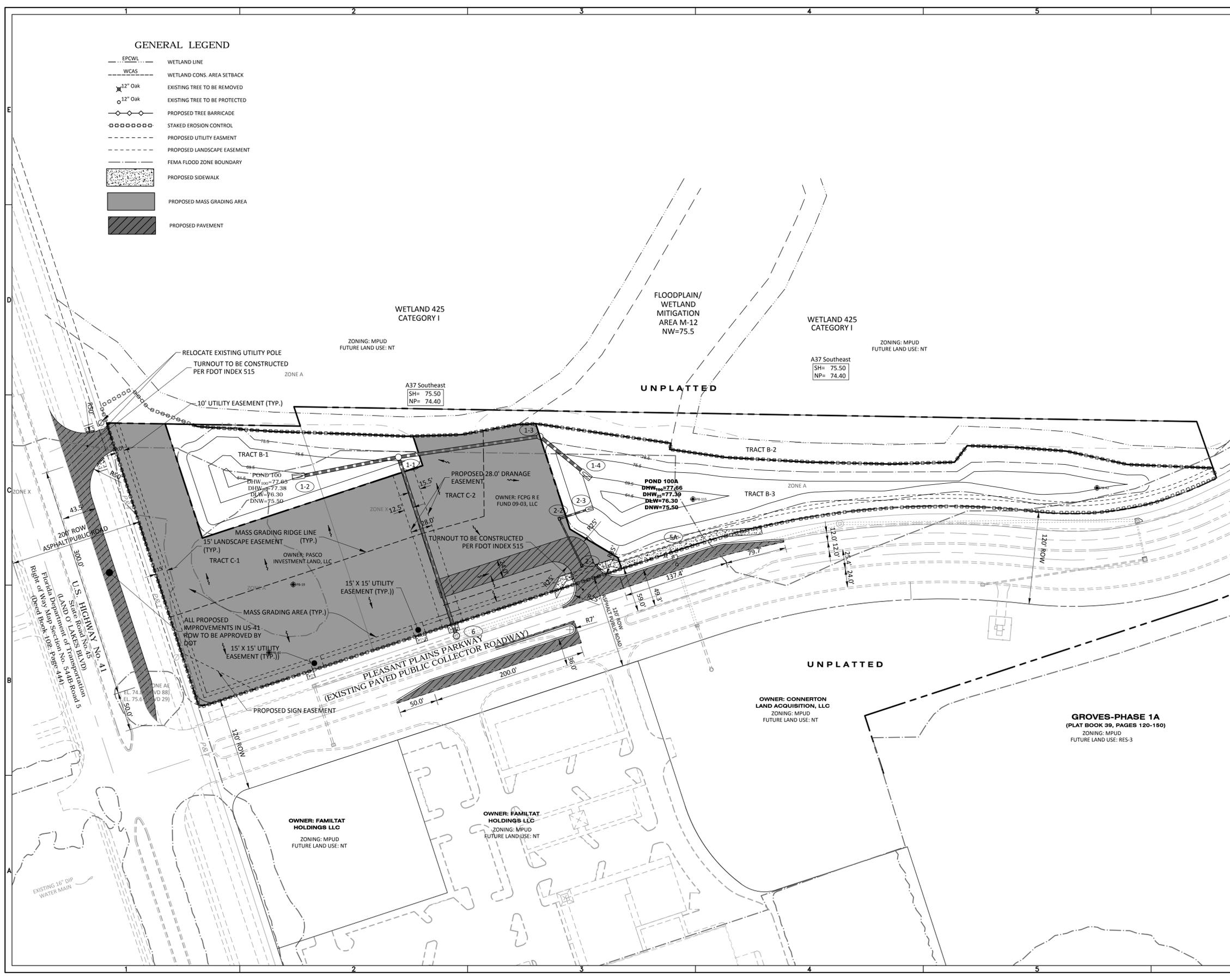
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CONNERTON CORNER
DEMOLITION PLAN
 PREPARED FOR:
FIRST CAPITAL GROUP

NO.	DATE	DESCRIPTION
1	06/22/2015	REVIEW SUBMITTAL

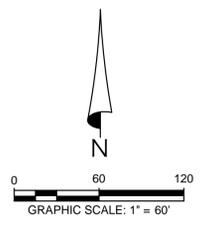
PROJECT NO: FCG CT 1006
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GENERAL LEGEND

- EPCWL WETLAND LINE
- WCAS WETLAND CONS. AREA SETBACK
- 12" Oak EXISTING TREE TO BE REMOVED
- 12" Oak EXISTING TREE TO BE PROTECTED
- PROPOSED TREE BARRICADE
- STAKED EROSION CONTROL
- PROPOSED UTILITY EASEMENT
- PROPOSED LANDSCAPE EASEMENT
- FEMA FLOOD ZONE BOUNDARY
- PROPOSED SIDEWALK
- PROPOSED MASS GRADING AREA
- PROPOSED PAVEMENT



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CONNERTON CORNER
 PRELIMINARY SITE PLAN
 PREPARED FOR: FIRST CAPITAL GROUP

NO.	DATE	DESCRIPTION
1	06/22/2015	REVIEW SUBMITTAL

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 DRAWN BY: NYB

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WETLAND IDENTIFICATION	ACRES ON SITE	WETLAND IMPACT ACRES	UNIMPACTED WETLAND ACRES
WETLAND 425	1.20	0.00	1.20
TOTAL	1.20	0.00	1.20

INCREMENT / PARCEL I.D.	NOTES:
CONNERTON MPUD REZONING PETITION	APPROVED WITH CONDITIONS; RZ-7111 04/21/15
EXISTING POND ON PASCO INVESTMENT LAND, LLC PORTION OF PROJECT	APPROVED AS PART OF CONNERTON VILLAGE ONE: PARCELS 101, 102, 103 (DR04-1229) ON 04/29/04

TRACT I.D.	TRACT ACREAGE	TRACT USES
B-1	0.67	DRAINAGE & ACCESS EASEMENT
B-2	1.20	CONSERVATION, & MITIGATION EASEMENT
B-3	1.67	DRAINAGE & ACCESS EASEMENT
C-1	1.92	FUTURE DEVELOPMENT PARCEL
C-2	1.00	FUTURE DEVELOPMENT PARCEL

CATEGORY	SIZE (Acres)
I	1.20
II	0.00
III	0.00
TOTAL	1.20

PHASE, VILLAGE, AND PARCEL	UPLAND ACRES	WETLAND ACRES	SURFACE WATER (MAN-MADE LAKE) ACRES	TOTAL ACRES
CONNERTON CORNER	2.91	1.20	2.34	6.45

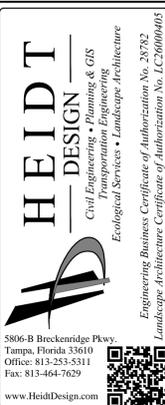
LOT TYPE	MINIMUM SETBACKS			MAXIMUM HEIGHT (FT)	MAXIMUM FAR
	F (FT)	S (FT)	R (FT)		
RETAIL/ PERSONAL SERVICE	0/10/25	0	10	50'	2.0

F= FRONT SETBACK
S= SIDE SETBACK
R= REAR SETBACK

- LOT WIDTH MEASURED HORIZONTALLY AT THE FRONT BUILDING LINE OFFICE USES ALLOWED OVER RETAIL
- ARCHITECTURAL FEATURES, SUCH AS CUPOLAS, SPIRES, PARAPET WALLS, AND FACADES HAVE A MAXIMUM HEIGHT OF 60 FEET.
- FRONT SETBACKS FROM PLEASANT PLAINS PARKWAY ARE TO BE TEN FEET. FRONT SETBACKS TO US 41 TO BE 25 FEET (SUBJECT TO US 41 CLEAR ZONE), AND FRONT SETBACKS TO INTERNAL ROADS TO BE ZERO.

- DEVELOPER/OWNER:
FIRST CAPITAL GROUP
1516 E HILLCREST STREET, SUITE 210
ORLANDO, FL 32803
(407) 872-0209
ENGINEER: HEIDT DESIGN, LLC
5806-B BRECKENRIDGE PARKWAY
TAMPA, FLORIDA 33610
(813) 253-5311
SURVEYOR: GEOPPOINT SURVEYING, INC.
1403 EAST 5TH AVENUE
TAMPA, FL 33605
(813) 248-8888
GEOTECHNICAL ENGINEER:
MORTENSEN ENGINEERING, INC.
6408 W. LINEBAUGH AVENUE, SUITE 111
TAMPA, FL 33625
(813) 908-5555
- EXISTING ZONING: MPUD PETITION #6045 WAS APPROVED BY BCC 08/12/2003; A SUBSTANTIAL AMENDMENT, PETITION #7111, WAS APPROVED BY BCC ON 04/21/2015; EXISTING LAND USE: VACANT
- FUTURE LAND USE CLASSIFICATION: NEW TOWN
- DRI #233 WAS APPROVED BY BCC ON 07/18/2000. NUMEROUS NOTICES OF PROPOSED CHANGE HAVE BEEN ADOPTED. THE MOST RECENTLY AMENDED, RESTATED DEVELOPMENT ORDER WAS APPROVED BY BCC ON 01/13/2005.
- WATER SERVICE TO BE PROVIDED BY PASCO COUNTY UTILITIES.
- SEWAGE DISPOSAL SERVICE TO BE PROVIDED BY PASCO COUNTY UTILITIES.
- ELECTRICAL POWER TO BE PROVIDED BY WITHLACOOCHIE RIVER ELECTRIC COOPERATIVE.
- TELEPHONE SERVICE TO BE PROVIDED BY VERIZON.
- STREET LIGHTING TO BE PROVIDED BY A STREET LIGHTING TAXING DISTRICT.
- FIRE PROTECTION TO BE PROVIDED BY THE EXISTING PASCO COUNTY FIRE STATION #22 LOCATED NEAR US 41 AND SR 52. FIRE HYDRANTS TO BE PROVIDED ON SITE. SITE IS WITHIN A FIRE PROTECTION MSTU.
- THE SITE IS CURRENTLY MASS GRADED. THE WETLANDS ARE *CYPRESS SWAMPS AND GRASSY MARSHES*.
- PREDOMINANT SOIL TYPES ON-SITE CONSIST OF ZOLFO FINE SAND, BASINGER FINE SAND, AND SELLERS MUCKY LOAMY FINE SAND IN THE TRANSITIONAL AREAS; BASINGER FINE SAND AND SELLERS MUCKY LOAMY FINE SANDS WITHIN WETLAND AREAS.
- CONSERVATION AREAS AND DETENTION PONDS WILL BE OWNED AND MAINTAINED BY THE OWNER OR MERCHANT'S ASSOCIATION.
- DETENTION PONDS SHALL BE WITHIN DRAINAGE EASEMENTS DEDICATED TO THE OWNER OR MERCHANT'S ASSOCIATION FOR MAINTENANCE.
- CONTOURS SHOWN ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. TO CONVERT FROM NAVD 1929 TO NAVD 1988 SUBTRACT 0.84 FEET.
- PROPOSED RIGHTS-OF-WAY FOR LOCAL STREETS SHALL BE A MINIMUM OF FIFTY (50) FEET.
- ALL ROADWAY STANDARDS TO COMPLY WITH THE MANUAL OF UNIFORM MINIMUM STANDARDS, STATE OF FLORIDA.
- ALL WATER AND WASTEWATER FACILITIES TO BE INSTALLED IN COMPLIANCE WITH PASCO COUNTY STANDARDS FOR DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER FACILITIES.
- ALL UTILITY LINES SHALL BE INSTALLED UNDERGROUND.
- ENTIRE PROJECT LIES WITHIN FLOOD ZONE "X", "A" AND "AE" ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 12101C0238F REVISED SEPTEMBER 26, 2014 AND ISSUED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY. AREAS IN ZONE AE HAVE A BASE FLOOD ELEVATION OF 74.8 (NAVD88).
- A MINIMUM OF 16" OF SOD STRIP WILL BE PROVIDED ALONG ALL ROADWAYS PER PASCO COUNTY REQUIREMENTS.
- SETBACKS FOR POST-DEVELOPED WETLANDS SHALL BE AS FOLLOWS: 25-FOOT MINIMUM AROUND ALL CATEGORY I WETLANDS; BUFFERS AROUND CATEGORY II AND III WETLANDS SHALL BE AS REQUIRED BY SWFWMD. ALLOWABLE USES AND RESTRICTIONS FOR BUFFERS SHALL BE IN ACCORDANCE WITH SECTION 805 OF THE PASCO COUNTY LAND DEVELOPMENT CODE.
- SIDEWALKS WILL BE PROVIDED IN THE LOCATIONS INDICATED ON THESE PLANS. UNLESS OTHERWISE SHOWN, ALL SIDEWALKS SHALL BE A MINIMUM OF FIVE (5) FEET WIDE, 4 1/2" THICK (3,000 P.S.I.), FIBER REINFORCED CONCRETE, CONSTRUCTED ON NON-YIELDING SUBGRADE.
- SIDEWALK CLEAR ZONE SHALL BE FREE OF OBSTACLES, INCLUDING BUT NOT LIMITED TO SHRUBS, TREES, FENCES, ABOVE GROUND UTILITIES, I.E. POWER POLES, STREET LIGHTS, GUY ANCHORS, FIRE HYDRANTS, MAIL BOXES, STREET SIGNS AND UTILITY MARKERS.
- CURB RAMPS SHALL BE PROVIDED PER FDOT INDEX 304 WITH DETECTABLE WARNING STRIPS ALIGNED IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- ALL LANDSCAPE AND SODDED AREAS WILL BE IRRIGATED.
- THIS PROJECT WILL COMPLY WITH THE PASCO COUNTY TREE PROTECTION AND RESTORATION ORDINANCE.
- ALL CONSTRUCTION WORK, INCLUDING ROAD, DRAINAGE AND UTILITIES, SHALL BE CONSTRUCTED IN ACCORDANCE WITH PASCO COUNTY DESIGN STANDARDS AND TESTED IN COMPLIANCE WITH THE PASCO COUNTY ENGINEERING SERVICE DEPARTMENT TESTING SPECIFICATIONS FOR CONSTRUCTION OF ROADS, STORM DRAINAGE AND UTILITIES.
- THIS PROJECT SHALL BE SUBJECT TO THE PASCO COUNTY NEW DEVELOPMENT FAIR SHARE CONTRIBUTION FOR ROAD IMPROVEMENTS ORDINANCE AND SCHOOL IMPACT FEE ORDINANCE.
- IF DURING CONSTRUCTION ACTIVITIES ANY EVIDENCE OF HISTORIC RESOURCES, INCLUDING BUT NOT LIMITED TO ABORIGINAL OR HISTORIC POTTERY, PREHISTORIC STONE TOOLS, BONE OR SHELL TOOLS, HISTORIC TRASH PITS, OR HISTORIC BUILDING FOUNDATION, ARE DISCOVERED, WORK SHALL COME TO AN IMMEDIATE STOP AND THE FLORIDA DEPARTMENT OF HISTORIC RESOURCES (STATE HISTORIC PRESERVATION OFFICER) AND PASCO COUNTY SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE RESOURCES FOUND ON SITE.
- IF DURING THE CONSTRUCTION ACTIVITIES ANY EVIDENCE OF THE PRESENCE OF STATE AND FEDERALLY PROTECTED PLANT AND/OR ANIMAL SPECIES ARE DISCOVERED, WORK SHALL COME TO AN IMMEDIATE STOP AND PASCO COUNTY SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE PLANT AND/OR ANIMAL SPECIES FOUND ON SITE.
- ALL 20'x20' CLEAR-SITE AREAS SHALL BE KEPT FREE OF ANY SIGNAGE PLANTINGS, TREES, ETC. IN EXCESS OF THREE-AND-A-HALF (3-1/2) FEET IN HEIGHT. ALL PROPOSED SIGNS MUST BE APPLIED FOR, APPROVED, AND PERMITTED ON AN INDIVIDUAL BASIS APART FROM ANY ULTIMATELY APPROVED SITE PLAN. APPROVAL OF THIS SUBDIVISION PLAN DOES NOT CONSTITUTE APPROVAL OF ANY SIGNAGE.
- THE ENGINEER CERTIFIES THAT SITE FEATURES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT.
- THE OWNER/DEVELOPER ACKNOWLEDGES THAT THIS APPROVAL DOES NOT INCLUDE ANY WORK IN COUNTY RIGHT-OF-WAY. ANY RIGHT-OF-WAY WORK SHALL BE A FUNCTION OF AN APPROVED RIGHT-OF-WAY PERMIT.
- THE OWNER/DEVELOPER ACKNOWLEDGES THAT THE SITE AND ITS SUBSEQUENT BUILDING PERMITS SHALL COMPLY WITH ALL MPUD CONDITIONS.
- ALL STRUCTURES, INCLUDING BUFFER WALLS, RETAINING WALLS, SIGNAGE, ETC. SHALL REQUIRE A BUILDING PERMIT.
- ARCHITECT OR LIGHTING CONSULTANT SHALL ENSURE THAT FINAL LIGHTING PLANS MEET THE REQUIREMENTS OF THE PASCO COUNTY LDC, INCLUDING PROHIBITIONS AGAINST OFF-SITE LIGHT SPILLAGE AND GLARE.
- NO IRRIGATION SYSTEM OR LANDSCAPING SHALL BE INSTALLED IN ANY COUNTY OR STATE RIGHT-OF-WAY WITHOUT ISSUANCE OF APPROPRIATE RIGHT-OF-WAY USE PERMIT.
- FUGITIVE DUST EMISSIONS SHALL BE CONTROLLED BY SPRINKLING AS NECESSARY.
- ON-SITE BURNING SHALL NOT BE EMPLOYED WITHOUT APPROVAL FROM THE FIRE MARSHAL.
- THE SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED THROUGHOUT CONSTRUCTION UNTIL THE SITE IS PERMANENTLY STABILIZED.
- ALL PROJECTS MUST COMPLY WITH PASCO COUNTY FIRE HYDRANT ORDINANCE NO. 46-51.
- FIRE HYDRANTS SHALL BE INSTALLED AND IN SERVICE PRIOR TO THE ACCUMULATION OF COMBUSTIBLES.
- PER THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA-1, 16.4.3.1.3: WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO BUILDING CONSTRUCTION WORK
- PER NFPA-1, 18.3.4.1: CLEARANCES OF 7.5 FEET IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT WITH A FOUR-FOOT CLEARANCE TO THE REAR MUST BE MAINTAINED AT ALL TIMES.
- PRIOR TO CONSTRUCTION, A BUILDING PERMIT SHALL BE OBTAINED FOR ALL STRUCTURES THAT HAVE A FOOTER, REGARDLESS OF SIZE, THROUGH PASCO COUNTY CENTRAL PERMITTING. (E.G., INCLUDING BUT NOT LIMITED TO BUILDINGS, ACCESSORIES, RETAINING WALLS, AND ETC.).
- ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF.
- ANY OFF SITE DISTURBANCE SHALL BE RESTORED TO THE PRE-CONSTRUCTION CONDITION OR BETTER.
- AS APPLICABLE, THE OWNER/DEVELOPER SHALL PROVIDE COPIES OF THE REQUIRED PERMITS FROM THE RESPECTIVE GOVERNING AGENCIES, PRIOR TO ISSUANCE OF THE SITE DEVELOPMENT PERMIT (SDP).
- THE SUBJECT PROPERTY IS NOT LOCATED WITHIN THE 10-YEAR WELHEAD PROTECTION AREA.
- UNDERDRAINS WITHIN THE ROW SHALL BE THE MAINTENANCE RESPONSIBILITY OF THE CONNERTON WEST CDD. A RIGHT-OF-WAY USE PERMIT WILL BE FILED FOR ALL STREETS DESIGNATING THIS ENTITY AS THE O&M ENTITY FOR UNDERDRAINS.
- THESE PLANS WERE PREPARED WITH THE BENEFIT OF AND IN CONFORMANCE TO THE GEOTECHNICAL RECOMMENDATIONS IN THE REPORTS BY MORTENSEN ENGINEERING, INC. ENTITLED AS FOLLOWS: "LAKE/DETENTION POND AREA SOILS STUDY, CONNERTON VILLAGE AREA PLAN NO. 1" (DATED 5/13/03).
- SURFACE WATER MANAGEMENT FOR THIS PROJECT IS PROVIDED BY POND 100, WHICH IS AN EXISTING POND PROPOSED FOR MODIFICATION IN THESE PLANS.
- IN CONSIDERATION OF THE COUNTY'S AGREEMENT TO PROVIDE POTABLE WATER AND/OR RECLAIMED WATER TO THE SUBJECT PROPERTY, THE APPLICANT/DEVELOPER AND ITS OR THEIR SUCCESSORS AND ASSIGNS AGREE TO THE FOLLOWING:
 - IN THE EVENT OF PRODUCTION FAILURE OR SHORTFALL BY TAMPA BAY WATER (TBW), AS SET FORTH IN SECTION 3.19 OF THE INTERLOCAL AGREEMENT CREATING TBW, THE APPLICANT/DEVELOPER SHALL TEMPORARILY TRANSFER TO THE COUNTY ANY AND ALL WATER-USE PERMITS OR WATER-USERIGHTS THE APPLICANT/DEVELOPER MAY HAVE TO USE OR CONSUME SURFACE WATER OR GROUNDWATER WITHIN THE COUNTY FOR THE DURATION OF THE PRODUCTION FAILURE OR SHORTFALL.
 - PRIOR TO THE APPLICANT/DEVELOPER SELLING WATER, WATER-USE PERMITS, OR WATER-USE RIGHTS, THE APPLICANT/DEVELOPER SHALL NOTIFY THE COUNTY, AND THE COUNTY SHALL HAVE A RIGHT OF FIRST REFUSAL TO PURCHASE SUCH WATER OR WATER-USE PERMITS OR WATER-USE RIGHTS.
- THE APPLICANT/DEVELOPER ACKNOWLEDGES, IN ACCORDANCE WITH THE LDC, SECTION 905.2, LANDSCAPING AND BUFFERING, ANY PLANT MATERIALS OF WHATSOEVER TYPE AND KIND REQUIRED BY THE LANDSCAPE AND BUFFERING REGULATIONS AND THIS APPROVAL, SHALL BE REPLACED WITHIN THIRTY DAYS OF THEIR DEMISE AND/OR REMOVAL.

ELEVATIONS BASED ON:
NORTH GEODETIC VERTICAL DATUM 1929
CONVERSION:
NAVD 29 TO NGVD 88 = -0.84



CONNERTON CORNER
PRELIMINARY SITE PLAN
PREPARED FOR:
FIRST CAPITAL GROUP

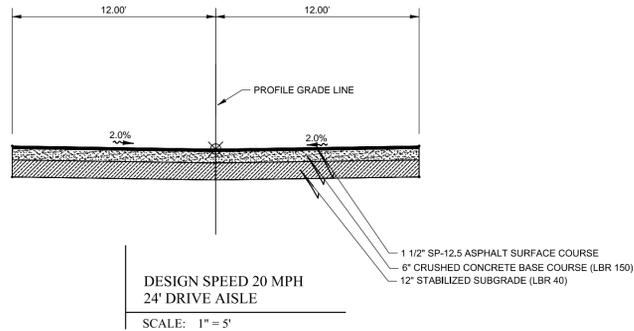
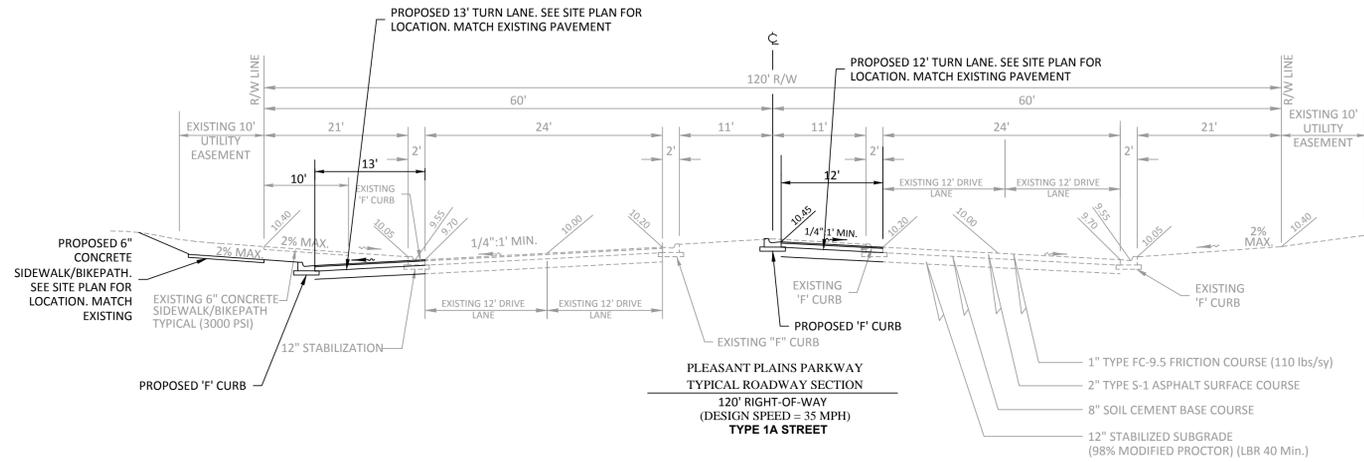
NO.	DATE	DESCRIPTION
1	06/27/2015	REVIEW SUBMITTAL

NO.	DATE	DESCRIPTION
1	06/27/2015	REVIEW SUBMITTAL

PROJECT NO: FCG CT 1006
FILE: SITE
DESIGN BY: NYB
DRAWN BY: NYB

FLORIDA PROFESSIONAL ENGINEER
LARA G. BARTHOLOMEW
DATE: 06/27/2015
REGISTRATION NO. 61035

C-106



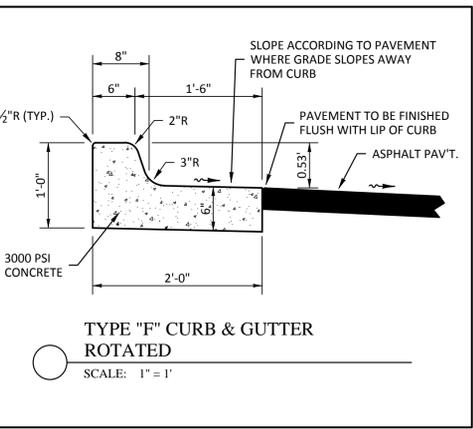
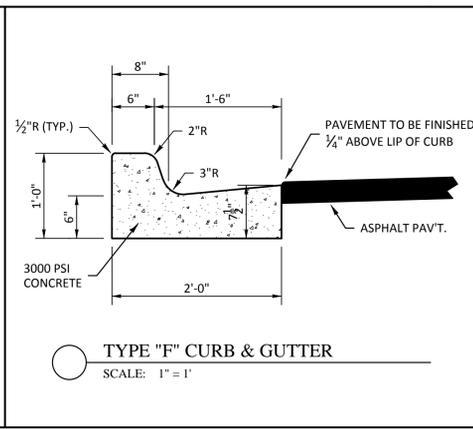
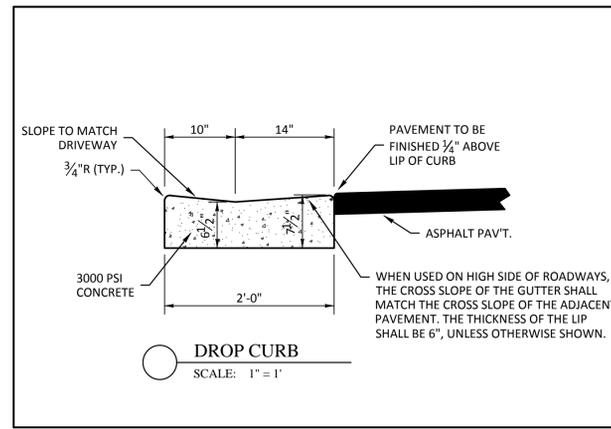
PROPOSED ROADWAY DESIGN	
FOR ON-SITE DRIVE AISLES	
LAYER COEFFICIENTS	THICKNESS
0.44 - TYPE SP-9.5 ASPHALT SURFACE COURSE	1.50"
0.15 - CRUSHED CONCRETE BASE COURSE (LBR 150)	6"
0.08 - STABILIZED SUBGRADE (12" MIN.)	12"
SN = (0.44 x 1.50) + (0.15 x 6) + (0.08 x 12) = 2.52	

PROPOSED ROADWAY DESIGN	
FOR ON-SITE DRIVE AISLES (FOR SOIL CEMENT BASE ALTERNATIVE)	
LAYER COEFFICIENTS	THICKNESS
0.44 - TYPE SP-9.5 ASPHALT SURFACE COURSE	1.50"
0.15 - SOIL CEMENT BASE	8"
0.04 - COMPACTED SUBGRADE	12"
SN = (0.44 x 1.50) + (0.15 x 8) + (0.04 x 12) = 2.34	

- PAVEMENT CONSTRUCTION NOTES:
- Pavement wearing surface shall be asphaltic concrete of type and thickness shown in detail and shall meet current Department of Transportation Specifications.
 - Pavement base shall be crushed concrete, as designated in plans, and shall be compacted to a minimum thickness as shown.
 - Crushed concrete road base material shall be of uniform quality, free of all organics, steel rebar, asphalt debris, and any other deleterious materials.
 - Crushed concrete road base material shall generally conform to the gradation chart for graded aggregate base, FDOT Section 204 and 901, tested at a frequency required by the Governing Agency having jurisdiction. In addition, crushed concrete shall conform to the applicable specification contained within Pasco County Design Standards, "Crushed Concrete Base Specification - Index 104."
 - Crushed concrete road base material shall have a minimum compacted dry density of 114.0 pcf (per AASHTO T-180), and a minimum Limerock Bearing Ratio (LBR) of 150 (under-tolerance +/- 5%), tested at a frequency required by the Governing Agency having jurisdiction, or in the absence thereof, by minimum FDOT standards. Base single-course lifts shall not exceed 6 inches (compacted, 8 inches loose).
 - Crushed concrete road base shall be compacted to a minimum of 100% of Modified Proctor per AASHTO T-180, tested at a frequency required by the Governing Agency having jurisdiction, or in the absence thereof, by minimum FDOT standards.
 - Crushed concrete base shall have a 12-inch thick stabilized subgrade, Type "B" stabilization in accordance with FDOT Section 160 and shall have a minimum Limerock Bearing Ratio (LBR) of 40 or greater. Subgrade shall be compacted to the minimum thickness as shown. Subgrade shall be compacted to a minimum of 98% Modified Proctor per AASHTO T-180.
 - Compacted subgrade (beneath stabilized subgrade, if required, or beneath base materials) shall be prepared in accordance with FDOT Index 505, latest edition. Embankment fills or natural sands to 24 inches below the bottom of the pavement base (if no stabilized subgrade), or to 24 inches below the bottom of stabilized subgrade, shall be sandy soils (A-3 or SP/SP-SM) with typically 15% fines or less passing the No. 200 sieve.
 - Crushed concrete base surface shall be inspected and approved by the engineer prior to any paving operation.
 - All curbs and gutters shall be placed on a foundation of Type "B" stabilized subgrade with a minimum LBR value of 40 (or a minimum FBV of 75) which has been compacted to a minimum density of ninety-eight percent (98%) of the maximum density as determined by AASHTO T-180 for a minimum depth of twelve (12) inches.
 - All Portland Cement Concrete shall have a minimum compressive strength of 3000 psi.
 - Roadway underdrain has been located on these plans to ensure adequate base protection. Prior to curb construction, the Geotechnical Engineer shall review the predesign borings and, along with their field inspection, make a recommendation regarding additional underdrain requirements.
 - Should no underdrain be specified on the plans, the Contractor shall include 1,000 linear feet of underdrain at unit prices for bid purposes.
 - All testing referenced above shall, at a minimum, be at the frequency required by the Governing Agency having jurisdiction, or in the absence thereof, by minimum FDOT standards.

- ALTERNATIVE SOIL-CEMENT BASE MATERIAL
- Soil-cement mix design shall be provided a minimum 30 days in advance of placement of base material for approval by the Engineer. The soil-cement product shall be in accordance with PCA standards.
 - Soil-cement surface shall be inspected and approved by the Engineer prior to any paving operation.
 - Subgrade for soil-cement shall be prepared in accordance with FDOT Index No. 505, latest edition. Embankment fills or natural sands to 24-inches below the bottom of the pavement base (if no stabilized subgrade), or to 24-inches below the bottom of stabilized subgrade, shall be sandy soils (A-3 or SP/SP-SM) with typically 15% fines or less passing the No. 200 sieve.
 - Subgrade under a soil-cement base shall be proof-rolled to grade, as directed by the Engineer and approved by the Engineer with suitable compaction equipment to achieve a density of ninety-eight (98%) percent Modified Proctor for a depth of twelve (12) inches prior to placing soil-cement base.
 - Subgrade under soil-cement base shall NOT be stabilized unless otherwise directed by Engineer of Record.

Contractor may propose alternate pavement designs. Contractor shall submit any pavement alternatives to Engineer for approval prior to final subgrade preparations.



HEIDT DESIGN
Civil Engineering • Planning & GIS
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Ecological Services • Landscape Architecture

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www.HeidtDesign.com

CONNERTON CORNER
ROADWAY TYPICAL SECTIONS

PREPARED FOR:
FIRST CAPITAL GROUP

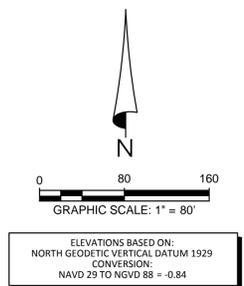
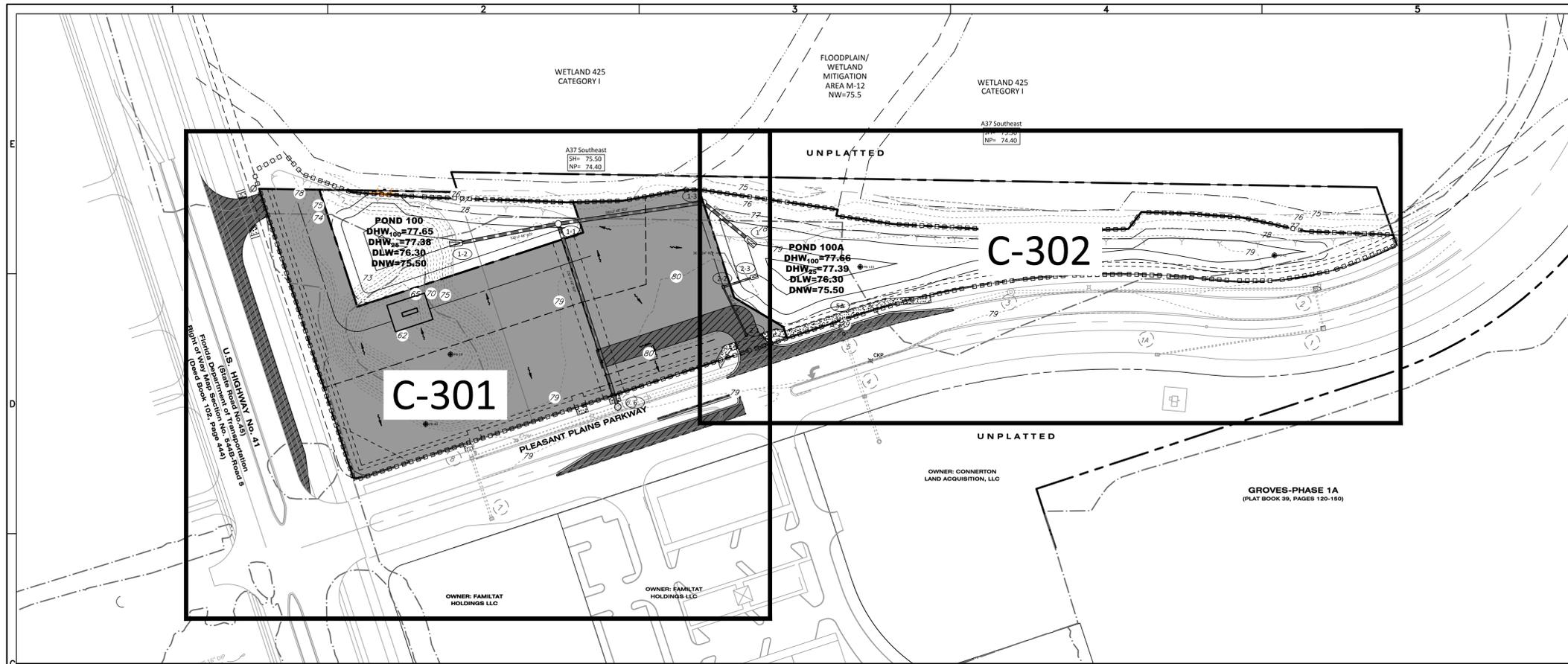
NO.	DATE	DESCRIPTION
1	06/22/2015	REVIEW SUBMITTAL

PROJECT NO: FCG CT 1006
FILE: RS-PASCO
DESIGN BY: NYB
DRAWN BY: NYB
FLORIDA PROFESSIONAL ENGINEER

LARA G. BARTHOLOMEW
DATE: _____
REGISTRATION NO. 61035

C-200

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DRAINAGE & GRADING NOTES

1. ALL SODDED SLOPES STEEPER THAN 4:1 SHALL BE INSTALLED WITH SOD PEGS.
2. ALL FIRST FLOOR ELEVATIONS SHALL BE A MINIMUM OF ONE FOOT ABOVE THE BASE FLOOD ELEVATION (BFE).
3. ALL FIRST FLOOR ELEVATIONS SHALL BE A MINIMUM OF 16 INCHES ABOVE THE HIGHEST CROWN LINE OF THE STREET LYING BETWEEN THE PROJECTION OF THE SIDE BUILDING LINES.
4. NO EXCAVATION SHALL EXTEND BELOW THE PERMITTED DESIGN DEPTHS/ELEVATIONS SHOWN ON THE DRAWINGS, UNLESS ADDITIONAL TESTING SUPPORTS OTHERWISE; NO LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIAL AND/OR NO LIMESTONE MATERIALS SHALL BE EXCAVATED REGARDLESS IF THEY ARE ENCOUNTERED WITHIN THE PERMITTED DEPTHS/ELEVATIONS. IF ANY LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIALS OR LIMESTONE MATERIALS ARE ENCOUNTERED ABOVE THE PERMITTED DEPTHS/ELEVATIONS, THEN EXCAVATION OPERATIONS SHALL CEASE IN THE GENERAL LOCATION AND THE ENGINEER OF RECORD SHALL BE NOTIFIED IMMEDIATELY.
5. SHOULD ANY NOTICEABLE SOIL SLUMPING OR SINKHOLE FORMATION BECOME EVIDENT, THE APPLICANT/DEVELOPER SHALL IMMEDIATELY NOTIFY THE COUNTY, TAMPA BAY WATER (TBW), AND SWFWMD, AND ADOPT ONE OR MORE OF THE FOLLOWING PROCEDURES AS DETERMINED TO BE APPROPRIATE BY THE COUNTY AND SWFWMD:
 - A. IF THE SLUMPING OR SINKHOLE FORMATION BECOMES EVIDENT BEFORE OR DURING CONSTRUCTION ACTIVITIES, STOP ALL WORK (EXCEPT FOR MITIGATION ACTIVITIES) IN THE AFFECTED AREA AND REMAIN STOPPED UNTIL THE COUNTY AND SWFWMD APPROVE RESUMING CONSTRUCTION ACTIVITIES.
 - B. TAKE IMMEDIATE MEASURES TO ENSURE NO SURFACE WATER DRAINS INTO THE AFFECTED AREAS.
 - C. VISUALLY INSPECT THE AFFECTED AREA.
 - D. EXCAVATE AND BACKFILL OR GROUT AS REQUIRED TO FILL THE AFFECTED AREA AND PREVENT FURTHER SUBSIDENCE.
 - E. USE SOIL REINFORCEMENT MATERIALS IN THE BACKFILLING OPERATION, WHEN APPROPRIATE.
 - F. IF THE AFFECTED AREA IS IN THE VICINITY OF A WATER-RETENTION AREA, MAINTAIN A MINIMUM DISTANCE OF TWO FEET FROM THE BOTTOM OF THE RETENTION POND TO THE SURFACE OF THE LIME-ROCK OR KARST CONNECTION.
 - G. IF THE AFFECTED AREA IS IN THE VICINITY OF A WATER-RETENTION AREA AND THE ABOVE METHODS DO NOT STABILIZE THE COLLAPSE, RELOCATE THE RETENTION AREA.
 - H. DISCHARGE OF STORM-WATER INTO DEPRESSIONS WITH DIRECT OR DEMONSTRATED HYDROLOGIC CONNECTION TO THE FLORIDAN AQUIFER SHALL BE PROHIBITED.
6. UPON COMPLETION OF LAND DEVELOPMENT CONSTRUCTION ACTIVITIES, A PROFESSIONAL ENGINEER SHALL PROVIDE A CERTIFICATION TO PASCO COUNTY THAT THE PROJECT, INCLUDING EACH PAD AREA, COMPLIES WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL / GEOLOGICAL ENGINEERING REPORT.
7. THE ENGINEER RESPONSIBLE FOR THE PROJECT SHALL CERTIFY TO PASCO COUNTY THAT THE UNDERDRAINS HAVE BEEN PROPERLY INSTALLED PRIOR TO THE INSTALLATION OF ANY ASPHALT. CERTIFICATION SHALL STRICTLY COMPLY WITH THE UNDERDRAIN CERTIFICATION FORM AVAILABLE IN "ENGINEERING SERVICES DEPARTMENT: A PROCEDURAL GUIDE FOR THE PREPARATION OF ASSURANCES OF COMPLETION AND MAINTENANCE"
8. PROPOSED MAINTENANCE EASEMENTS MUST CONTAIN CLEAR OPERABLE ACCESSIBILITY.

MASS GRADING NOTES

1. ALL SODDED SLOPES STEEPER THAN 4:1 SHALL BE INSTALLED WITH SOD PEGS.
2. NO EXCAVATION SHALL EXTEND BELOW THE PERMITTED DESIGN DEPTHS/ELEVATIONS SHOWN ON THE DRAWINGS, UNLESS ADDITIONAL TESTING SUPPORTS OTHERWISE; NO LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIAL AND/OR NO LIMESTONE MATERIALS SHALL BE EXCAVATED REGARDLESS IF THEY ARE ENCOUNTERED WITHIN THE PERMITTED DEPTHS/ELEVATIONS. IF ANY LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIALS OR LIMESTONE MATERIALS ARE ENCOUNTERED ABOVE THE PERMITTED DEPTHS/ELEVATIONS, THEN EXCAVATION OPERATIONS SHALL CEASE IN THE GENERAL LOCATION AND THE ENGINEER OF RECORD SHALL BE NOTIFIED IMMEDIATELY.
3. SHOULD ANY NOTICEABLE SOIL SLUMPING OR SINKHOLE FORMATION BECOME EVIDENT, THE APPLICANT/DEVELOPER SHALL IMMEDIATELY NOTIFY THE COUNTY, TAMPA BAY WATER (TBW), AND SWFWMD, AND ADOPT ONE OR MORE OF THE FOLLOWING PROCEDURES AS DETERMINED TO BE APPROPRIATE BY THE COUNTY AND SWFWMD:
 - A. IF THE SLUMPING OR SINKHOLE FORMATION BECOMES EVIDENT BEFORE OR DURING CONSTRUCTION ACTIVITIES, STOP ALL WORK (EXCEPT FOR MITIGATION ACTIVITIES) IN THE AFFECTED AREA AND REMAIN STOPPED UNTIL THE COUNTY AND SWFWMD APPROVE RESUMING CONSTRUCTION ACTIVITIES.
 - B. TAKE IMMEDIATE MEASURES TO ENSURE NO SURFACE WATER DRAINS INTO THE AFFECTED AREAS.
 - C. VISUALLY INSPECT THE AFFECTED AREA.
 - D. EXCAVATE AND BACKFILL OR GROUT AS REQUIRED TO FILL THE AFFECTED AREA AND PREVENT FURTHER SUBSIDENCE.
 - E. USE SOIL REINFORCEMENT MATERIALS IN THE BACKFILLING OPERATION, WHEN APPROPRIATE.
 - F. IF THE AFFECTED AREA IS IN THE VICINITY OF A WATER-RETENTION AREA, MAINTAIN A MINIMUM DISTANCE OF TWO FEET FROM THE BOTTOM OF THE RETENTION POND TO THE SURFACE OF THE LIME-ROCK OR KARST CONNECTION.
 - G. IF THE AFFECTED AREA IS IN THE VICINITY OF A WATER-RETENTION AREA AND THE ABOVE METHODS DO NOT STABILIZE THE COLLAPSE, RELOCATE THE RETENTION AREA.
 - H. DISCHARGE OF STORM-WATER INTO DEPRESSIONS WITH DIRECT OR DEMONSTRATED HYDROLOGIC CONNECTION TO THE FLORIDIAN AQUIFER SHALL BE PROHIBITED.
4. UPON COMPLETION OF LAND DEVELOPMENT CONSTRUCTION ACTIVITIES, A PROFESSIONAL ENGINEER SHALL PROVIDE A CERTIFICATION TO PASCO COUNTY THAT THE PROJECT, INCLUDING EACH PAD AREA, COMPLIES WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL / GEOLOGICAL ENGINEERING REPORT.

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 Civil Engineering • Planning & GIS
 Transportation Engineering
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 Tampa, Florida 33610
 Office: 813-253-5311
 Fax: 813-464-7629
 www.HeidtDesign.com

CONNERTON CORNER
MASTER GRADING & DRAINAGE
PLAN

PREPARED FOR:
FIRST CAPITAL GROUP

NO.	DATE	REVIEW SUBMITTAL	DESCRIPTION
1	06/27/2015		

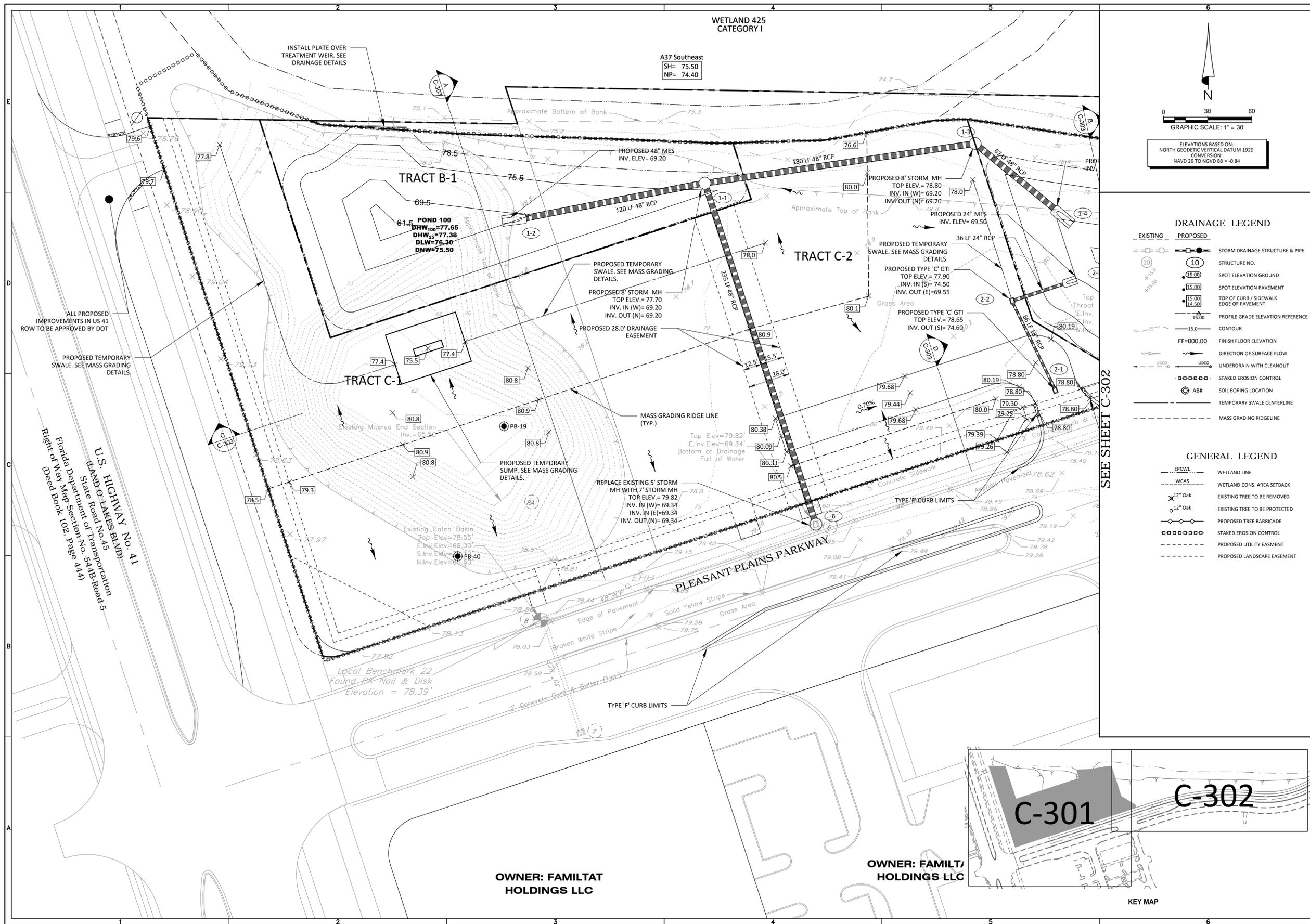
PROJECT NO: FCG CT 1006
 FILE: MD-KEY
 DESIGN BY: NYB
 DRAWN BY: NYB

FLORIDA PROFESSIONAL ENGINEER

LARA G. BARTHOLOMEW
 DATE: _____
 REGISTRATION NO. 61035

C-300

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GRAPHIC SCALE: 1" = 30'

ELEVATIONS BASED ON:
NORTH GEODETIC VERTICAL DATUM 1929
CONVERSION:
NAVD 29 TO NGVD 88 = -0.84

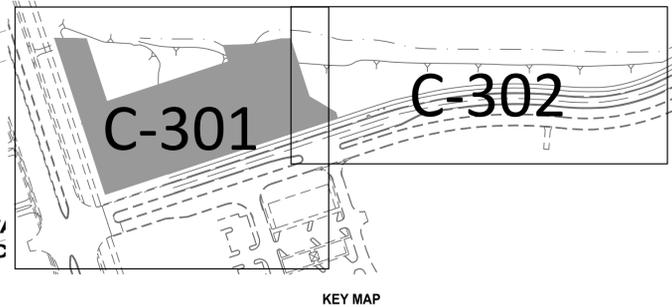
DRAINAGE LEGEND

		STORM DRAINAGE STRUCTURE & PIPE
		STRUCTURE NO.
		SPOT ELEVATION GROUND
		SPOT ELEVATION PAVEMENT
		PROFILE GRADE ELEVATION REFERENCE
		CONTOUR
		FINISH FLOOR ELEVATION
		DIRECTION OF SURFACE FLOW
		UNDERDRAIN WITH CLEANOUT
		STAKED EROSION CONTROL
		SOIL BORING LOCATION
		TEMPORARY SWALE CENTERLINE
		MASS GRADING RIDGELINE

GENERAL LEGEND

	WETLAND LINE
	WETLAND CONS. AREA SETBACK
	EXISTING TREE TO BE REMOVED
	EXISTING TREE TO BE PROTECTED
	PROPOSED TREE BARRICADE
	STAKED EROSION CONTROL
	PROPOSED UTILITY EASEMENT
	PROPOSED LANDSCAPE EASEMENT

SEE SHEET C-302



KEY MAP

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**CONNERTON CORNER
GRADING & DRAINAGE PLAN**

PREPARED FOR:
FIRST CAPITAL GROUP

NO.	DATE	DESCRIPTION
1	06/27/2015	REVIEW SUBMITTAL

PROJECT NO: FCG CT 1006
FILE: GD
DESIGN BY: NYB
DRAWN BY: NYB

FLORIDA PROFESSIONAL ENGINEER
LARA G. BARTHOLOMEW
DATE: _____
REGISTRATION NO. 61035

C-301

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U.S. HIGHWAY No. 41
LAND O' LAKES BLVD
State Road No. 45
Florida Department of Transportation
Right of Way Map Section No. 544B Road 5
(Deed Book 102, Page 444)

INSTALL PLATE OVER
TREATMENT WEIR. SEE
DRAINAGE DETAILS

A37 Southeast
SH= 75.50
NP= 74.40

TRACT B-1

TRACT C-2

TRACT C-1

POND 100
DHW₁₀₀=77.65
DHW₂₅=77.38
DLW=76.38
DNW=75.50

PROPOSED 48" MES
INV. ELEV.= 69.20

PROPOSED 8" STORM MH
TOP ELEV.= 78.80
INV. IN (W)= 69.20
INV. OUT (N)= 69.20

PROPOSED 24" MES
INV. ELEV.= 69.50

PROPOSED TEMPORARY
SWALE. SEE MASS GRADING
DETAILS.

PROPOSED TYPE 'C' GTI
TOP ELEV.= 77.90
INV. IN (S)= 74.50
INV. OUT (E)= 69.55

PROPOSED TYPE 'C' GTI
TOP ELEV.= 78.65
INV. OUT (S)= 74.60

PROPOSED 8" STORM MH
TOP ELEV.= 77.70
INV. IN (W)= 69.20
INV. OUT (N)= 69.20

PROPOSED 28.0' DRAINAGE
EASEMENT

REPLACE EXISTING 5" STORM
MH WITH 7" STORM MH
TOP ELEV.= 79.82
INV. IN (W)= 69.34
INV. IN (E)= 69.34
INV. OUT (N)= 69.34

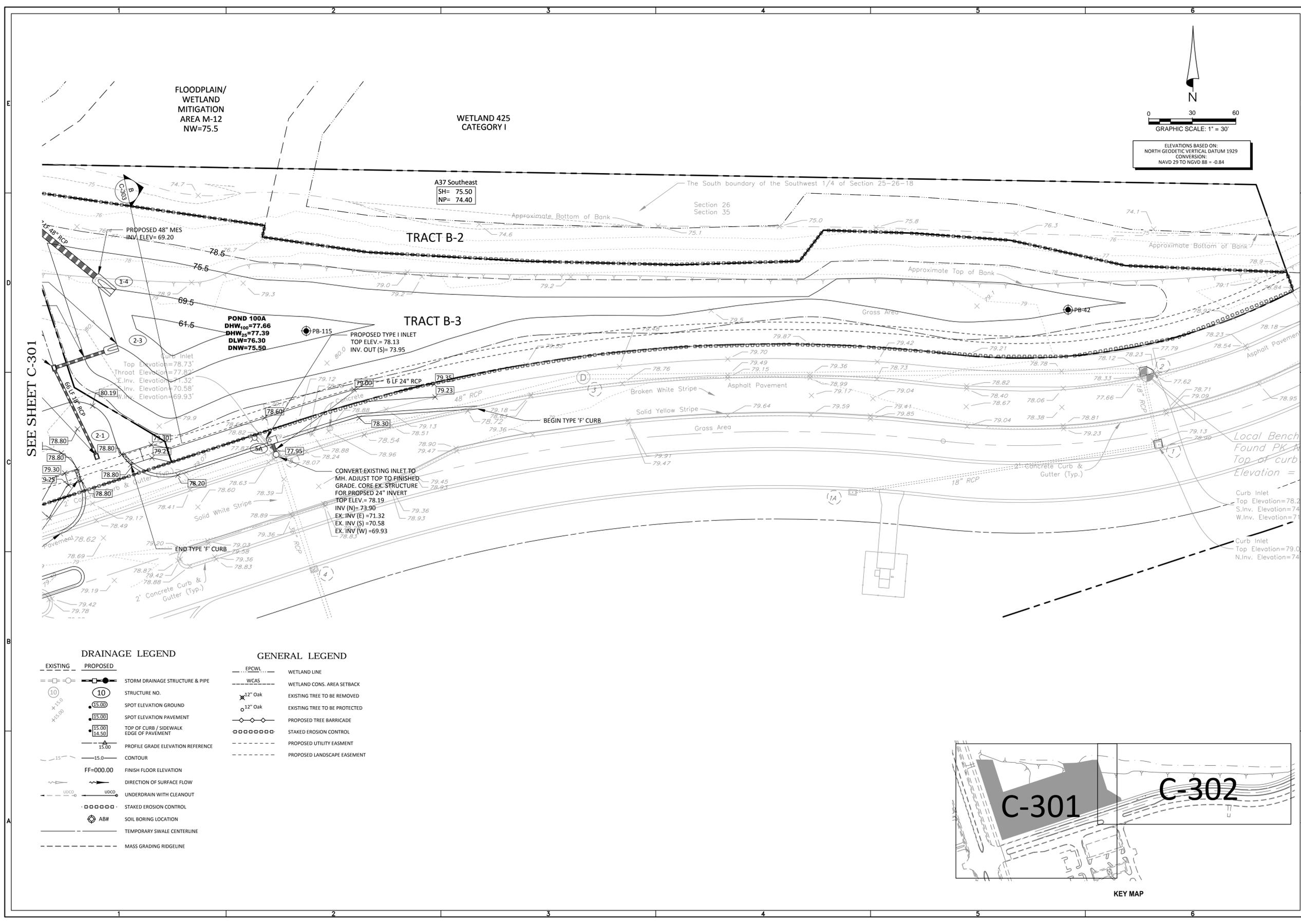
PROPOSED TEMPORARY
SUMP. SEE MASS GRADING
DETAILS.

Existing Catch Basin
Top Elev.= 78.55
E. Inv. Elev.= 69.00
S. Inv. Elev.= 69.00
N. Inv. Elev.= 69.00

Local Benchmark 22
Found PK Nail & Disk
Elevation = 78.39'

OWNER: FAMILTAT
HOLDINGS LLC

OWNER: FAMILT/
HOLDINGS LLC



FLOODPLAIN/
WETLAND
MITIGATION
AREA M-12
NW=75.5

WETLAND 425
CATEGORY I

A37 Southeast
SH= 75.50
NP= 74.40

ELEVATIONS BASED ON:
NORTH GEODETIC VERTICAL DATUM 1929
CONVERSION:
NAVD 29 TO NGVD 88 = -0.84

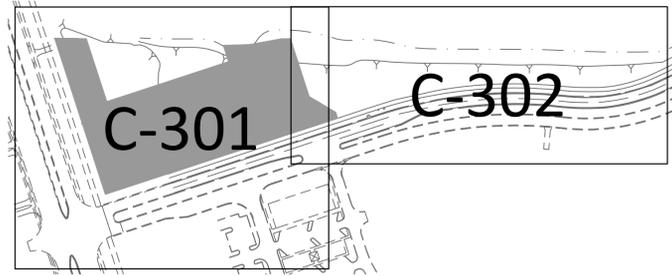
SEE SHEET C-301

DRAINAGE LEGEND

- | EXISTING | PROPOSED | |
|----------|----------|--------------------------------------------|
| | | STORM DRAINAGE STRUCTURE & PIPE |
| | | STRUCTURE NO. |
| | | SPOT ELEVATION GROUND |
| | | SPOT ELEVATION PAVEMENT |
| | | TOP OF CURB / SIDEWALK
EDGE OF PAVEMENT |
| | | PROFILE GRADE ELEVATION REFERENCE |
| | | CONTOUR |
| | | FINISH FLOOR ELEVATION |
| | | DIRECTION OF SURFACE FLOW |
| | | UNDERDRAIN WITH CLEANOUT |
| | | STAKED EROSION CONTROL |
| | | SOIL BORING LOCATION |
| | | TEMPORARY SWALE CENTERLINE |
| | | MASS GRADING RIDGELINE |

GENERAL LEGEND

- | | |
|--|-------------------------------|
| | WETLAND LINE |
| | WETLAND CONS. AREA SETBACK |
| | EXISTING TREE TO BE REMOVED |
| | EXISTING TREE TO BE PROTECTED |
| | PROPOSED TREE BARRICADE |
| | STAKED EROSION CONTROL |
| | PROPOSED UTILITY EASMENT |
| | PROPOSED LANDSCAPE EASMENT |



KEY MAP

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Engineering Business Certificate of Authorization No. 23752
Landscape Architecture Certificate of Authorization No. LC26000405

**CONNERTON CORNER
GRADING & DRAINAGE PLAN**

PREPARED FOR:
FIRST CAPITAL GROUP

NO.	DATE	DESCRIPTION
1	06/22/2015	REVIEW SUBMITTAL

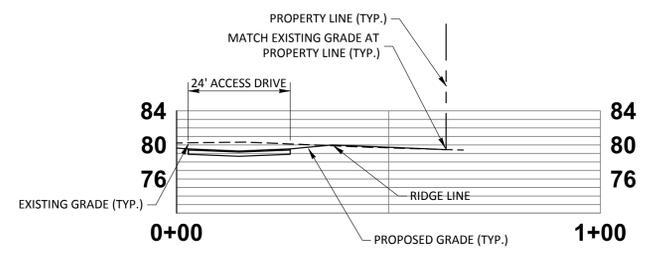
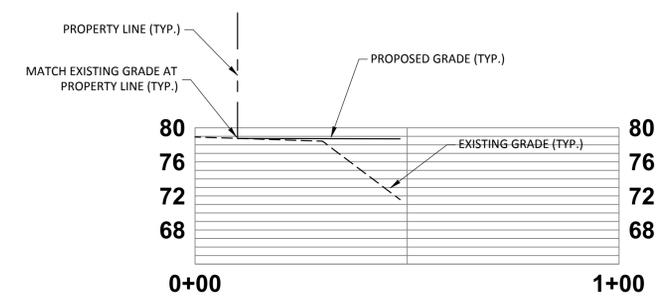
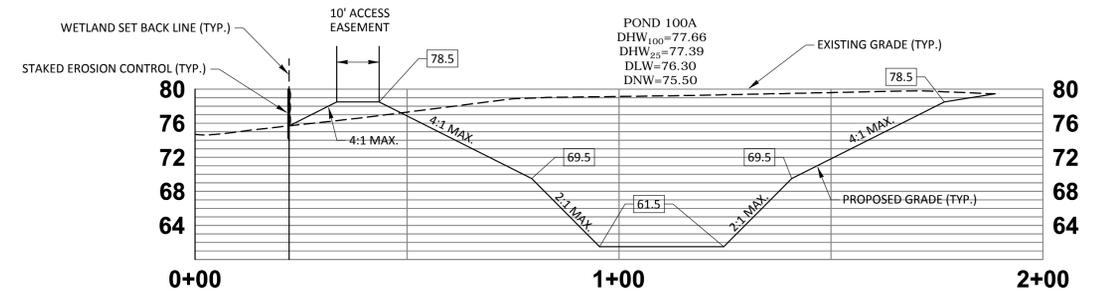
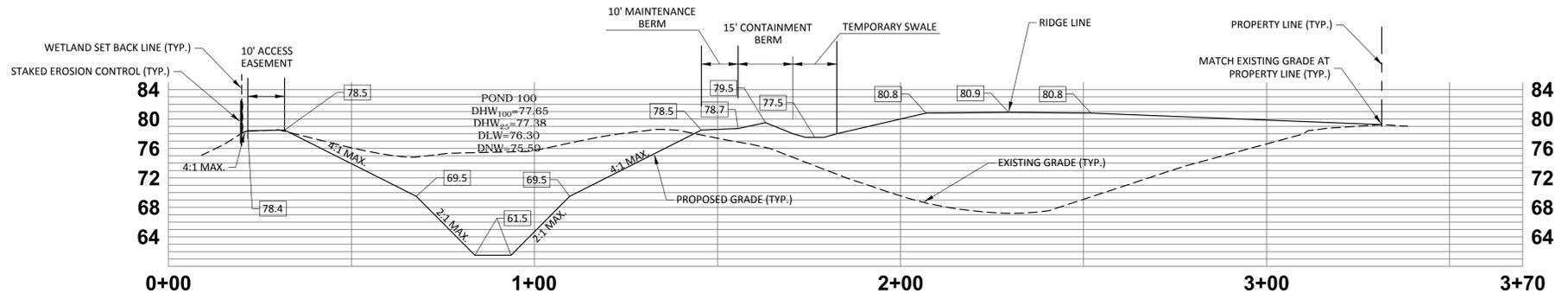
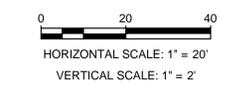
PROJECT NO: FCG CT 1006
FILE: GD
DESIGN BY: NYB
DRAWN BY: NYB

FLORIDA PROFESSIONAL ENGINEER
LARA G. BARTHOLOMEW
DATE: _____
REGISTRATION NO. 61035

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ELEVATIONS BASED ON:
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 CONVERSION:
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CONNERTON CORNER	PREPARED FOR:
POND CROSS SECTIONS	FIRST CAPITAL GROUP

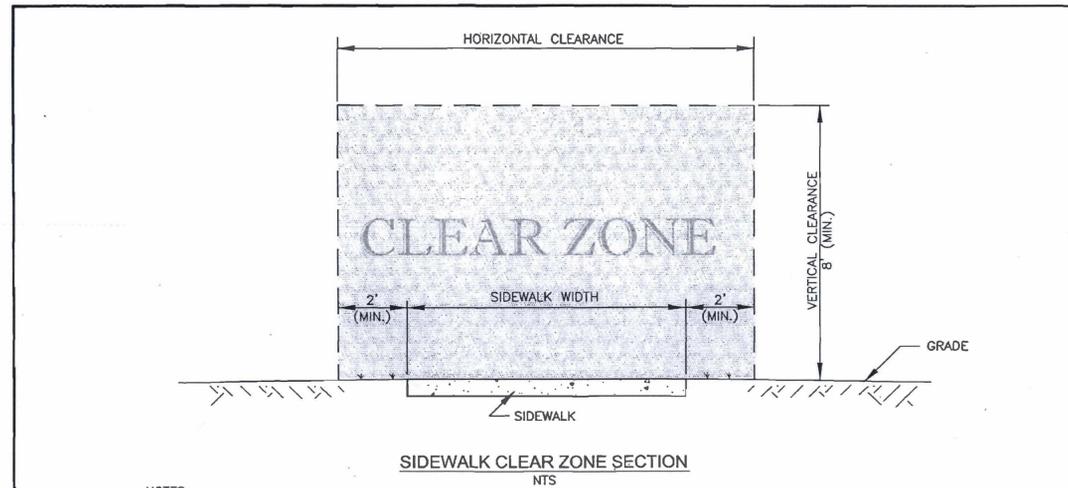
NO.	DATE	DESCRIPTION
1	06/22/2015	REVIEW SUBMITTAL

PROJECT NO: FCG CT 1006
 FILE: SEC
 DESIGN BY: NYB
 DRAWN BY: NYB

FLORIDA PROFESSIONAL ENGINEER
LARA G. BARTHOLOMEW
 DATE: _____
 REGISTRATION NO. 61035

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NOTES:

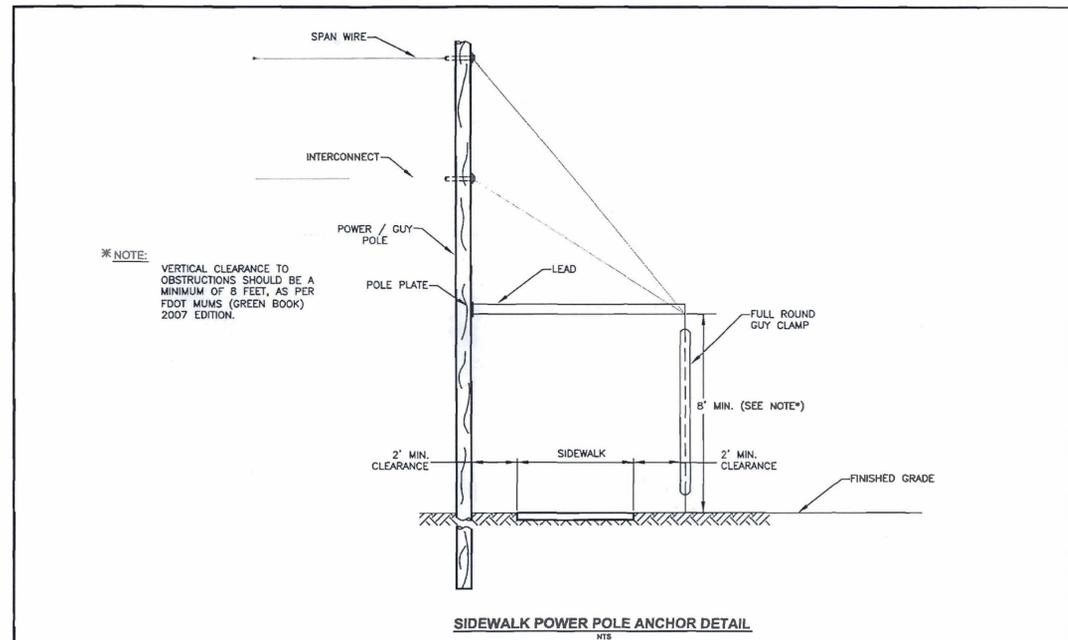
1. THIS CLEAR ZONE APPLIES TO THE SIDEWALK ONLY. IT IS NOT INTENDED FOR ROADWAY PLACEMENT SET BACKS.
2. THE SIDEWALK CLEAR ZONE SHALL BE AN OPEN WINDOW FREE OF OBSTACLES. THIS INCLUDES SHRUBS, TREES, FENCES, ABOVE GROUND UTILITIES, I.E., POWER POLES, STREET LIGHTS, GUY ANCHORS, FIRE HYDRANTS, BLOW-OFFS, MAIL BOXES, STREET SIGNS, UTILITY MARKERS, ETC.
3. THE SIDEWALK HORIZONTAL CLEAR ZONE CLEARANCE IS MEASURED FROM THE SIDEWALK EDGE AND SHALL BE A MINIMUM OF 2 FEET.
4. THE SIDEWALK VERTICAL CLEAR ZONE CLEARANCE IS MEASURED FROM THE FINISHED GROUND SURFACE AND SHALL BE A MINIMUM OF 8 FEET.

NOTE:
NO DEVIATIONS TO THIS DETAIL WILL BE PERMITTED UNLESS APPROVED BY THE COUNTY ENGINEER.
ANY PROPOSED ALTERATIONS SHALL BE CLEARLY IDENTIFIED AND HIGHLIGHTED ON DETAIL.

PASCO COUNTY ENGINEERING SERVICES
DESIGN STANDARDS

SIDEWALK CLEAR ZONE

APPROVED BY _____ BCC APPROVAL REVISED _____ DWG. NO. _____



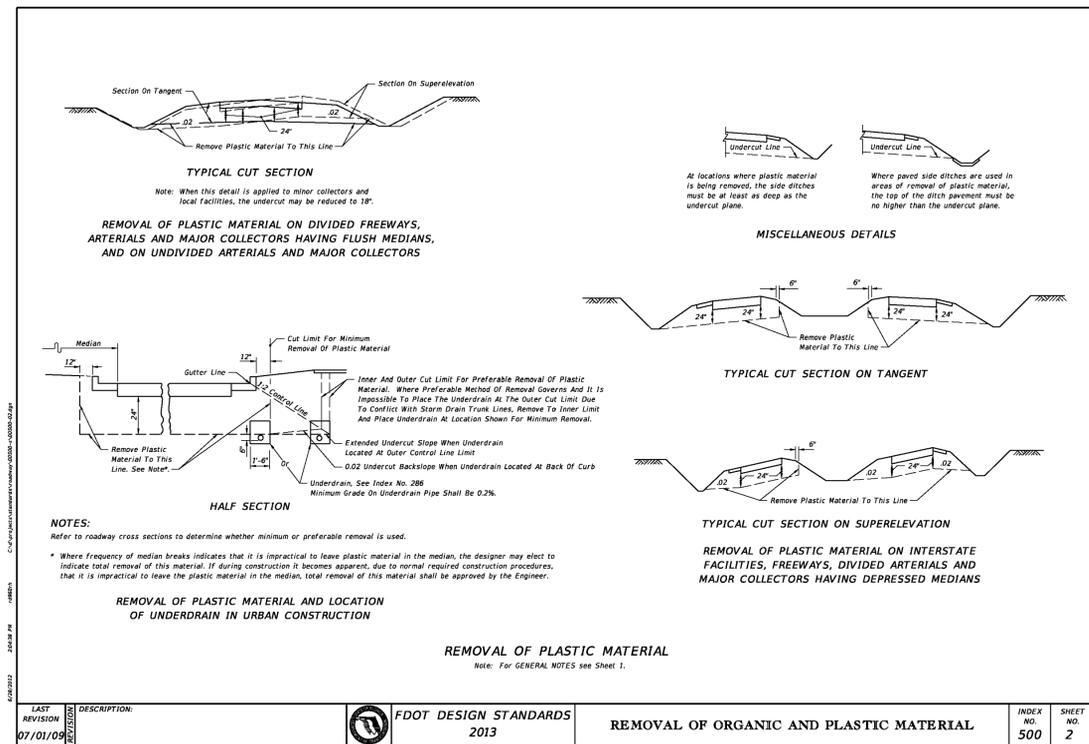
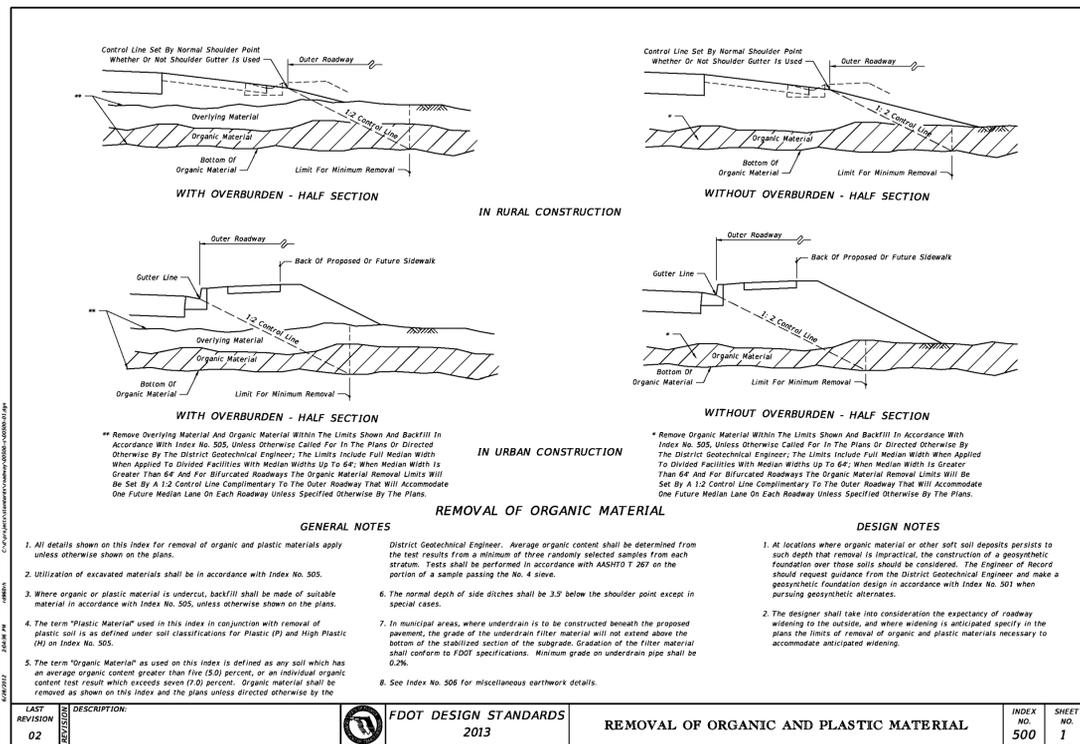
* NOTE:
VERTICAL CLEARANCE TO OBSTRUCTIONS SHOULD BE A MINIMUM OF 8 FEET, AS PER FDOT MUMS (GREEN BOOK) 2007 EDITION.

NOTE:
NO DEVIATIONS TO THIS DETAIL WILL BE PERMITTED UNLESS APPROVED BY THE COUNTY ENGINEER.
ANY PROPOSED ALTERATIONS SHALL BE CLEARLY IDENTIFIED AND HIGHLIGHTED ON DETAIL.

PASCO COUNTY ENGINEERING SERVICES
DESIGN STANDARDS

SIDEWALK POWER POLE ANCHOR DETAIL

APPROVED BY _____ BCC APPROVAL REVISED _____ DWG. NO. _____



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Landscape Architecture Certificate of Authorization No. LC26000005

CONNERTON CORNER

DRAINAGE DETAILS

PREPARED FOR:
FIRST CAPITAL GROUP

DATE	DESCRIPTION
06/22/2015	REVIEW SUBMITTAL

PROJECT NO: FCG CT 1006

FILE: DD

DESIGN BY: NYB

DRAWN BY: NYB

FLORIDA PROFESSIONAL ENGINEER

LARA G. BARTHOLOMEW

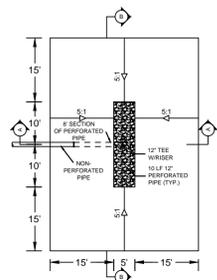
DATE: _____

REGISTRATION NO. 61035

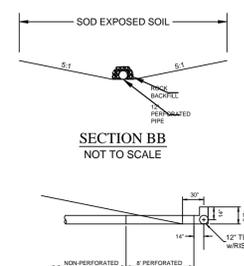
C-305

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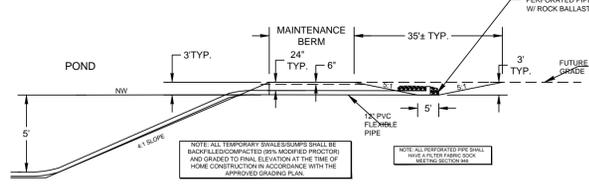
TEMPORARY SUMP DETAIL
NOT TO SCALE



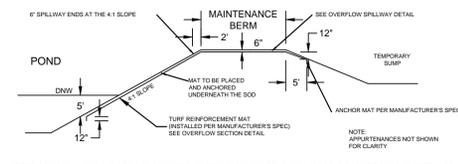
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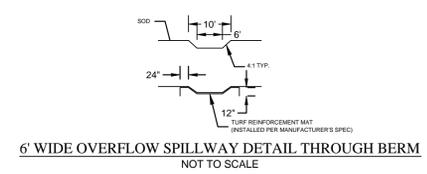
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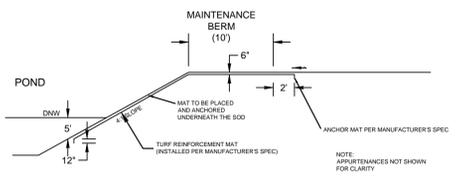
TYPICAL TEMPORARY SUMP OUTFLOW DETAIL
NOT TO SCALE



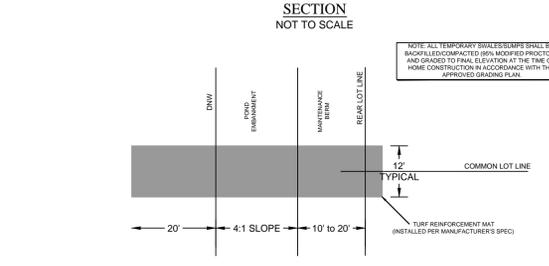
TEMPORARY SUMP EMERGENCY OVERFLOW SECTION DETAIL
NOT TO SCALE



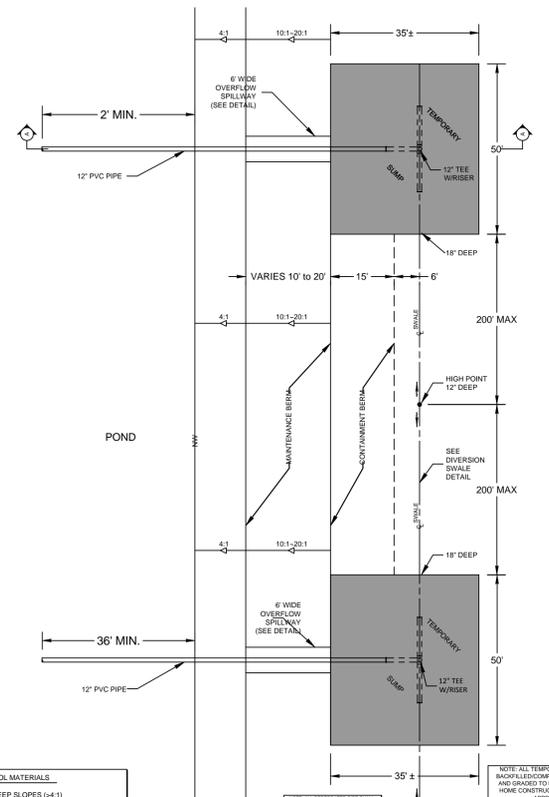
6' WIDE OVERFLOW SPILLWAY DETAIL THROUGH BERM
NOT TO SCALE



SECTION
NOT TO SCALE

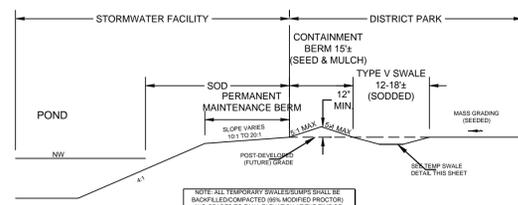


PLAN
POND EMBANKMENT STABILIZATION DETAIL FOR CONCENTRATED SHEET FLOW
NOT TO SCALE



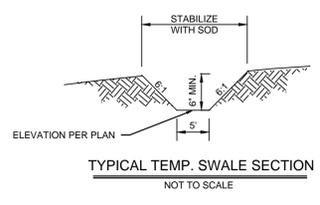
TYPICAL TEMPORARY POND PROTECTION PLAN
(FOR LARGE AREAS OF MASS GRADING)
NOT TO SCALE

ACCEPTABLE EROSION CONTROL MATERIALS
FOR FLOW CHANNELS AND STEEP SLOPES (4:1)
NORTH AMERICAN GREEN VMAX C350
GUARD EG-2 C
NORTH AMERICAN GREEN VMAX SC250
GUARD EG-2 SC
FOR EMBANKMENT STABILIZATION (4:1)
NORTH AMERICAN GREEN BIONET SC150 BN
NORTH AMERICAN GREEN SC150
GUARD BG-2 SC
NOTE: ALL MATERIAL SHALL AT A MINIMUM BE INSTALLED
MANUFACTURER'S INSTALLATION INSTRUCTIONS/
SPECIFICATIONS/GUIDELINES

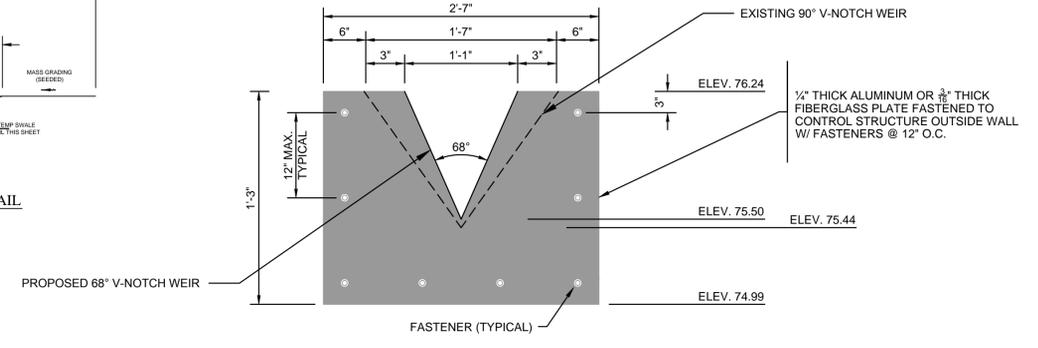


TYPICAL TEMPORARY DIVERSION SWALE DETAIL
(TO BE USED ALONG POND AREAS)
NOT TO SCALE

ACCEPTABLE EROSION CONTROL MATERIALS
FOR FLOW CHANNELS AND STEEP SLOPES (4:1)
NORTH AMERICAN GREEN VMAX C350
GUARD EG-2 C
NORTH AMERICAN GREEN VMAX SC250
GUARD EG-2 SC
FOR EMBANKMENT STABILIZATION (4:1)
NORTH AMERICAN GREEN BIONET SC150 BN
NORTH AMERICAN GREEN SC150
GUARD BG-2 SC
NOTE: ALL MATERIAL SHALL AT A MINIMUM BE INSTALLED
MANUFACTURER'S INSTALLATION INSTRUCTIONS/
SPECIFICATIONS/GUIDELINES



TYPICAL TEMP. SWALE SECTION
NOT TO SCALE



CONTROL STRUCTURE 100 TREATMENT WEIR RETROFIT
SCALE - 1" = 1'

EX. STR. NO.	FDOT BOX TYPE	TOP EL. (FT.)	BOTT. EL. (FT.)	DISCHARGE PIPE		ATTENUATION AND TREATMENT CONTROLS					REMARKS				
				TYPE	SIZE (IN.)	INV. EL. (FT.)	STR. TYPE	ATTENUATION OPENING		TREATMENT OPENING					
								A	B	EL. (FT.)		C	D	F"	
100	WALL	78.00	-	-	-	-	CS-5	16'-0"	1'-9"	76.24	1'-7 1/4"	9 5/8"	90°	75.44	L=37', INSTALL PLATE W/ 68° V-NOTCH WEIR

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CONNERTON CORNER
DRAINAGE DETAILS
FIRST CAPITAL GROUP

PREPARED FOR:

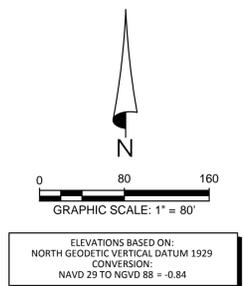
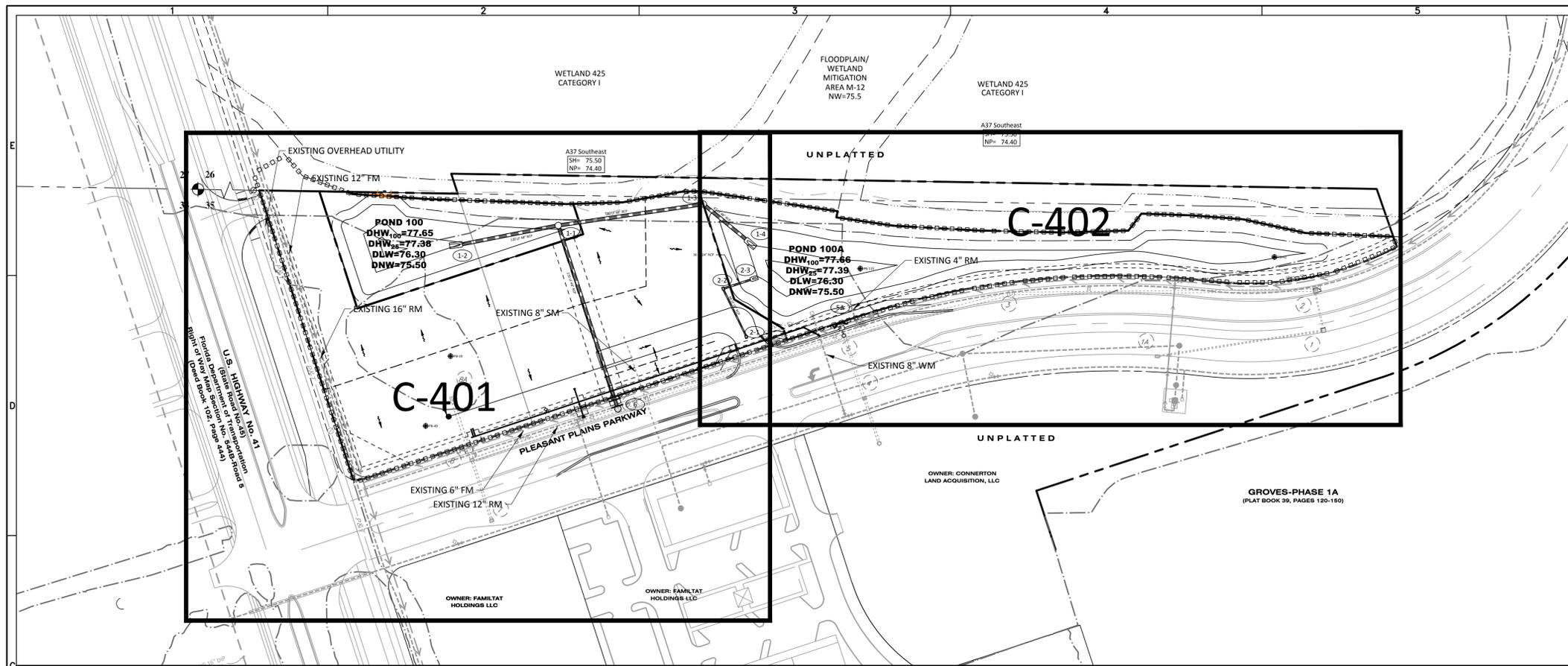
DATE	DESCRIPTION
06/22/2015	REVIEW SUBMITTAL

PROJECT NO: FCG CT 1006
FILE: DD
DESIGN BY: NYB
DRAWN BY: NYB
FLORIDA PROFESSIONAL ENGINEER

LARA G. BARTHOLOMEW
DATE:
REGISTRATION NO. 61035

C-306

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WATER, SEWER & RECLAIMED WATER CONSTRUCTION NOTES:

1. Prior to construction, the Contractor shall obtain from the Engineer or Owner a copy of all pertinent permits related to this project. It is the Contractor's responsibility to assure that all construction activities are in compliance with the conditions of all permits and approvals.
2. Solid sod, all areas in existing rights-of-way disturbed by construction.
3. Contractor is to coordinate all work within, but not limited to, Pasco County rights-of-way with utility companies in order to prevent damage to utility lines and the making of adjustments to same, if required. In accordance with the Underground Facility Damage Prevention and Safety Act (Chapter 556, F.S.) the Contractor shall call the Sunshine State One Call of Florida (SSCOF) at 1-800-432-4770 forty eight (48) hours in advance of any excavation.
4. All utility materials and workmanship must comply with Standards for Design and Construction of Water, Wastewater and Reclaimed Water Facilities Specs., June 1995 Edition.
5. Fire hydrant, gate valve and blow-off valve assemblies shall consist of all pipe, valves, tees, fittings, and any and all other appurtenances comprising a complete, working unit.
6. All 4" - 12" PVC water main pipe shall conform to the requirements found in AWWA Standard C-900, latest edition at the time of plan approval. All 16" - 24" water main shall be C-905 DR 25 PVC. All sewer pipe less than 4" in diameter shall be PVC Pressure Pipe, Pressure Rate 200, DR 31 per ASTM Standard D-2241. Water mains smaller than 2" in diameter shall be Class 1120 or 1220, Schedule 80 and meet the requirements of ASTM D-1785.
7. All water mains shall be deflected vertically where crossing storm sewer pipe to obtain a minimum vertical distance of 18 inches between the outside of the water main and the outside of the storm sewer. Joints shall be located such that the distance from the storm sewer and water main joint is as far as practical.
8. Water mains should be laid at least 10 feet horizontally from any existing or proposed storm sewer.
9. At no time should vertical clearance between force main or gravity sewer and water main be less than 18" at crossing of same.
10. At no time should horizontal clearance between force main or gravity sewer and water main be less than 10' when same are paralleling each other.
11. Adjusting manhole tops to match grade and slope of the finish paving shall be included in the respective contract unit price for manholes, payment of which will constitute full compensation for the construction and completion of the manhole, and no additional payment will be allowed or made for adjusting manhole tops.
12. The locations and elevation of all service lines are to be determined in the field by Owner and/or Contractor prior to construction of same.
13. Bends shall be installed in force main or water main to avoid unforeseen conflicts in existing or proposed structures.
14. The joint deflection method shall be used where practical in lieu of installing bends.
15. Contractor shall verify locations and depths of existing water and sewer lines prior to beginning construction.
16. The existing underground utility lines shown hereon were taken from documents furnished by others and not field verified, therefore, the Engineer cannot guarantee the accuracy of same nor that all are shown. The Contractor shall expose all underground utility lines in coordination with the Owners to his satisfaction and make adjustments to same in the event there are conflicts with new construction.
17. Contractor shall be responsible for obtaining any and all road crossing or utility permits.
18. All 8" gravity sanitary sewer pipe shall be constructed at a 0.40% minimum slope unless otherwise noted.
19. All valve box assemblies located within roadways or parking areas shall be protected from truck traffic by use of 6" thick reinforced concrete pads poured around valve boxes (see detail).
20. All subsurface construction shall comply with the "Trench Safety Act." The Contractor shall insure that the method of trench protection and construction is in compliance with the Occupational Safety and Health Administration (OSHA) Regulations.
21. Connections into existing county-owned systems shall be via wet tap. Wet taps shall be performed by the Pasco County Utilities Services Branch at the developer's expense. Material for wet taps larger than 2" shall be provided and installed by the project contractor. Excavation, backfill and surface restoration shall be the contractor's responsibility.
22. Gate valves installed for phasing shall be restrained per current Pasco County standards.
23. Off-road utility easements shall be "stabilized" for access by maintenance vehicles.
24. Reclaimed water mains, valves, and services shall include the following to avoid confusion with potable system:
 - a. Purple pigmented C-900, DR-18 PVC piping for 4"-12" reclaimed water mains, except 2" which shall be SDR 21 PVC piping.
 - b. Square top valve boxes for isolation valves in system, with covers marked "Effluent."
 - c. Purple stripe on curb to identify reclaimed water services.
 - d. One inch services for reclaimed water services.
 - e. Purple magnetic locating tape, stating "REUSE MAIN BURIED BELOW" over all reclaimed water mains (18 inches below grade).
 - f. Reclaimed water service on opposite lot line from potable service.
 - g. 16" - 24" reclaimed main shall be C-905 DR 25 PVC.

25. All aspects of reclaimed water system must comply with Chapter 17-610, F.A.C., latest edition.
26. Maintain 5' minimum horizontal separation between reclaimed mains and water mains or force mains.
27. Stub-out lines on the water main, force main, and reclaimed main shall have restrained joints from the main line to the stub-out.
28. All PVC pressure pipe shall have a minimum 36" cover.
29. Sanitary sewers, force and reclaimed mains and storm sewers should cross under water mains. Sanitary sewers, force and reclaimed mains and storm sewers crossing water mains shall be laid to provide a minimum vertical distance of 18 inches between the invert of the upper pipe and the crown of the lower pipe whenever possible.
30. When sanitary sewers, force and reclaimed mains and storm sewers must cross a water main with less than 18 inches vertical distance, both the sewer and the water main shall be constructed of ductile iron pipe (DIP) at the crossing. (DIP is not required for storm sewers if it is not available in the size proposed.) Sufficient lengths of DIP must be used to provide a minimum separation of 10 feet between any two joints. All joints on the water main within 20 feet of the crossing must be leak free and mechanically restrained. A minimum vertical clearance of 6 inches must be maintained at the crossing.
31. Where there is no alternative to sewer and reclaimed pipes crossing over a water main, the criteria for minimum separation of 18 inches between lines and 10 feet between joints shall be required.
32. All crossings shall be arranged so that the sewer and reclaimed pipes joints and the water main pipe joints are equidistant from the point of crossing (pipes centered on the crossing).
33. Where a new pipe conflicts with an existing pipe, the new pipe shall be constructed of DIP and the crossing shall be arranged to meet the requirements above.
34. A minimum 10-foot horizontal separation shall be maintained in parallel installations between any type of sewer (including drainage inlets) and water main whenever possible. A minimum 5-foot horizontal separation shall be maintained in parallel installation between reclaimed water mains and water mains, and between reclaimed water mains and sanitary sewers whenever possible.
35. In cases where it is not possible to maintain a 10-foot horizontal separation between any type of parallel sewer and water main, or a 5-foot separation between reclaimed main and water main, the water main must be laid in a separate trench or on an undisturbed earth shelf located on one side of the sewer, reclaimed main, or force main at such an elevation that the bottom of the water main is at least 18 inches above the top of the sewer.
36. Where it is not possible to maintain a vertical distance of 18 inches or a horizontal distance of 10 feet in parallel installations, the water main shall be constructed of DIP and the sewer, reclaimed main or the force main shall be constructed of DIP (if available in the size proposed) with a minimum vertical distance of 6 inches. The water main should be above the sewer, reclaimed main, or force main. Joints on the water main shall be located as far apart as possible from joints on the sewer, reclaimed main, or force main (staggered joints).
38. In consideration of Pasco County's agreement to provide potable water and/or reclaimed water to the subject property, Developer/Owner, and its successors assigns, agree to the following:
 - a. In the event of Production Failure or Shortfall by Tampa Bay Water, as set forth in section 3.19 of the Interlocal Agreement creating Tampa Bay Water, Developer/Owner shall transfer to Pasco County any and all water use permits or water use rights the Developer/Owner may have to use or consume surface or ground water within Pasco County.
 - b. Prior to Developer/Owner selling water or water use permits or water use rights, Developer/Owner shall notify Pasco County, and Pasco County shall have a right of first refusal to purchase such water or water use permits or water use rights.
39. Contractor's Responsibilities regarding wet taps two inches and larger shall be as follows:
 - a. 2" Only- This excavated trench must be dry or the trench will require rock and a pump to be in place. The minimum distance from the face of the valve to the wall of the trench is to be six feet.
 - b. 3" and Larger- The contractor will supply a tapping saddle being epoxy coated, a tapping valve with mechanical joint and the equipment to provide, and conduct a pressure test. County personnel will witness the pressure test which must be at 150 psi for duration of thirty minutes.
 - c. The contractor is responsible for the excavation before any County personnel will enter an excavated area. If the trench is four feet in depth or deeper, it will require a trench box or sloping, and a ladder according to Occupational Safety and Health Administration (OSHA) standards.
 - d. The tapping valve will require a blocking device made of suitable material or device. This blocking device or material will be placed under the valve and remain in place until the tap machine is removed and the tap is completed.
 - e. Note: If the contractor has not fulfilled his responsibilities, as stated above, prior to the arrival of Pasco County Utilities Operations and Maintenance tapping crew, there will be an additional charge of \$95.00.
 - f. If you have any questions regarding this information, contact Nelson D. Holt, Field Supervisor, Utilities Services Branch, at (727) 847-8145, or e-mail: nholt@pascocountyfl.net.
40. Fire hydrants shall be flow tested and color coded based upon flow results.
41. Contractor is responsible for replacing, relocating and reconnecting any existing valves on-site that may be damaged during construction. Contact Connerton West CDD for instruction.

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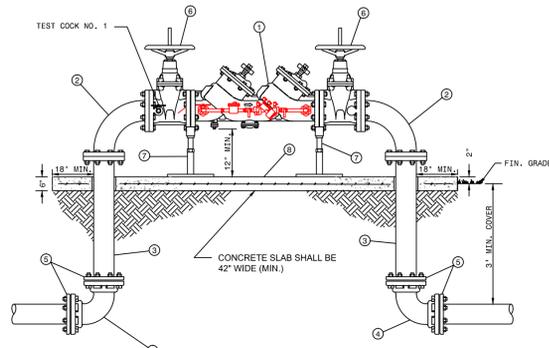
NO.	DATE	DESCRIPTION
1	06/22/2015	REVIEW SUBMITTAL

PROJECT NO: FCG CT 1006
 FILE: WS-KY
 DESIGN BY: NYB
 DRAWN BY: NYB

FLORIDA PROFESSIONAL ENGINEER
 LARA G. BARTHOLOMEW
 DATE: 06/22/2015
 REGISTRATION NO. 61035

C-400

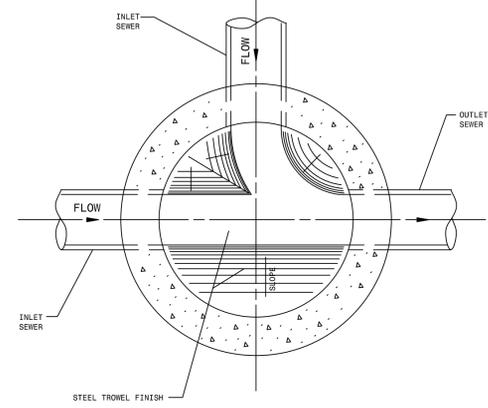
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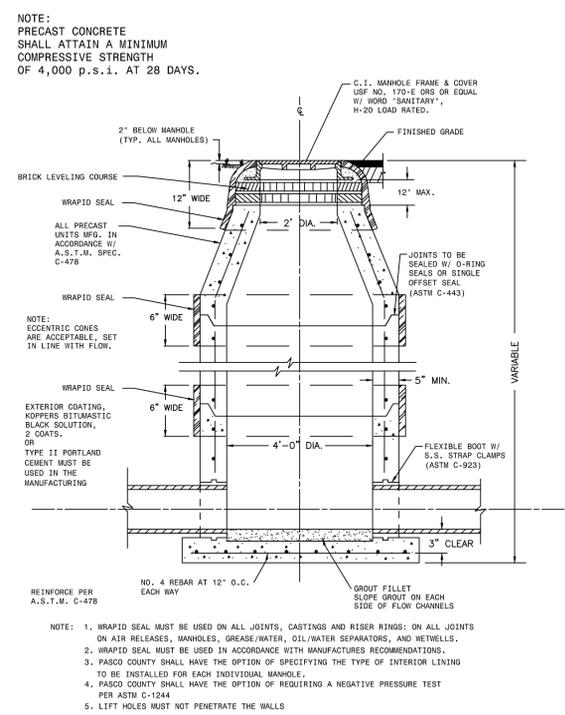
ITEM	QUANT.	DESCRIPTION
1	1	3", 4", 6", 8" DOUBLE CHECK VALVE/BFP ASSEMBLY WITH DETECTOR ASSEMBLY
2	2	3", 4", 6", 8" BEND, 90° FLANGE X FLANGE
3	2	3", 4", 6", 8" SPOOL PIECE FLG. X PE. D.I.P.
4	2	3", 4", 6", 8" BEND, 90° M.L. X M.L.
5	4	3", 4", 6", 8" GLAND, RETAINER M.J. (MEGALUG)
6	2	3", 4", 6", 8" VALVE, GATE FLG. X FLG., RESILIENT WEDGE O.S. & Y. SUPPORT (AS NEEDED)
7	2	SUPPORT (AS NEEDED)
8	1	CONCRETE SLAB (6" THICK - 42" WIDE MIN.)

NOTE:
 - NO TIE RODS OR EYE BOLT RETAINERS PERMITTED ABOVE GROUND.
 - D.I.P. ASSEMBLY TO BE INSTALLED LEVEL & PLUMB.
 - WITHIN CLEARANCE OF 30" TO BE MAINTAINED AROUND ENTIRE DEVICE FOR TESTING
 - ENTIRE ASSEMBLY TO BE PAINTED SAFETY BLUE.
 - DETECTOR BY-PASS ASSEMBLY TO BE FACTORY INSTALLED AND CERTIFIED
 - ALL MECHANICAL JOINTS SHALL BE RESTRAINED WITH BEGALUGS OR APPROVED EQUAL.
 - BELL JOINT RESTRAINTERS SHALL BE PROVIDED ON ALL UNDERGROUND PIPING AS SPECIFIED IN JOINT RESTRAINT TABLE DETAIL.
 - ALL ABOVE GROUND PIPING SHALL BE FLANGED DUCTILE IRON PIPE (NO GALVANIZED OR PVC)
 - ITEM 3 SHALL BE FIELD CUT TO PROPER LENGTH TO ACHIEVE DESIGNATED GROUND CLEARANCE
 - IF SO SPECIFIED, ENTIRE ASSEMBLY TO BE ENCLOSED IN 6" CHAIN LINK FENCE.
 - BFP DEVICE MUST BE LISTED WITH THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.

CREATED 02/24/03
 REVISIONS
 PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL.
DOUBLE DETECTOR CHECK VALVE ASSEMBLY/BACKFLOW PREVENTER (SINGLE SERVICE: 3", 4", 6", 8", 10")
 PASCOS COUNTY UTILITIES
 DETAIL 10



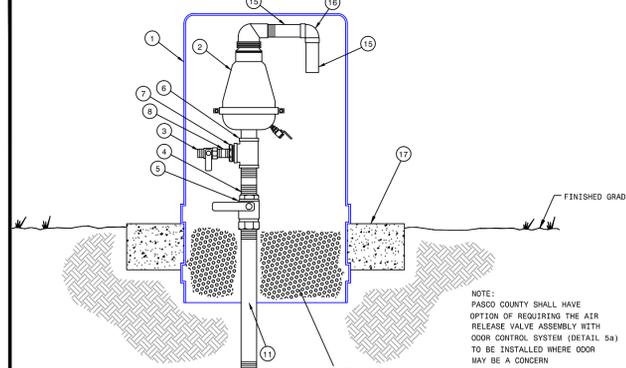
CREATED 02/24/03
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STANDARD MANHOLE (BENCH AND INVERTS)
 PASCOS COUNTY UTILITIES
 DETAIL 39



NOTE:
 PRECAST CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4,000 P.S.I. AT 28 DAYS.

NOTE:
 1. WRAPID SEAL MUST BE USED ON ALL JOINTS, CASTINGS AND RISER RINGS; ON ALL JOINTS ON AIR RELEASES, MANHOLES, GREASE/WATER, OIL/WATER SEPARATORS, AND WETWELLS.
 2. WRAPID SEAL MUST BE USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 3. PASCOS COUNTY SHALL HAVE THE OPTION OF SPECIFYING THE TYPE OF INTERIOR LINING TO BE INSTALLED FOR EACH INDIVIDUAL MANHOLE.
 4. PASCOS COUNTY SHALL HAVE THE OPTION OF REQUIRING A NEGATIVE PRESSURE TEST PER ASTM C-1264
 5. LIFT HOLES MUST NOT PENETRATE THE WALLS

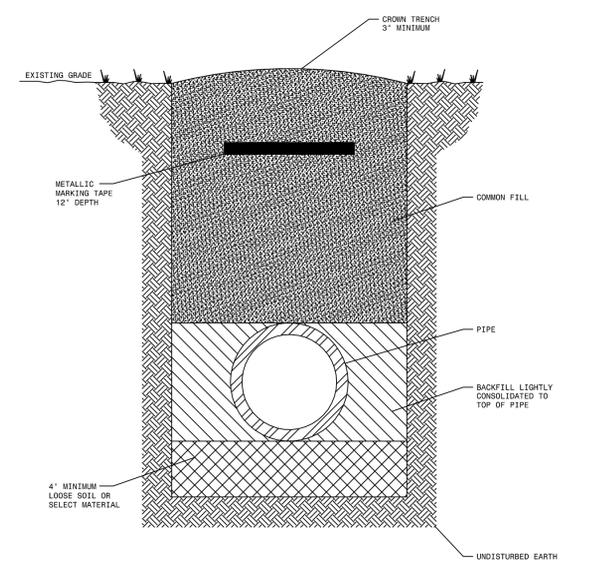
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STANDARD MANHOLE
 PASCOS COUNTY UTILITIES
 DETAIL 41



ITEM	QUANT.	DESCRIPTION
1	1	ENCLOSURE, WATER PLUS CORPORATION MODEL #131632
2	1	AIR RELEASE VALVE 2" NPT, AIRI MODEL D-025
3	1	SEWER AIR RELEASE VALVES SHALL BE AIRI MODEL D-025
4	1	WATER AIR RELEASE VALVES SHALL BE VALMATIC OR EQUAL
5	1	2" x 4" NIPPLE, S.S.
6	1	2" BALL VALVE, S.S.
7	1	2" TEE, S.S.
8	1	2" x 1" REDUCER, S.S.
9	1	1" SHORT NIPPLE, S.S.
10	4	2" x 90° ELBOW, S.S.
11	2	2" SHORT NIPPLE, S.S.
12	2	2" PIPE, S.S. LENGTH AS REQUIRED
13	1	2" DOUBLE STRAP TAPPING SADDLE, S.S.
14	1	4" & LARGER PIPE, D.I. OR PVC (DR-18)
15	1	2" CORPORATION BRASS
16	2	1-1/2" PIPE, PVC, LENGTH AS REQUIRED
17	1	1-1/2" x 90° ELBOW, PVC
18	1	CONCRETE SLAB AROUND ENCLOSURE

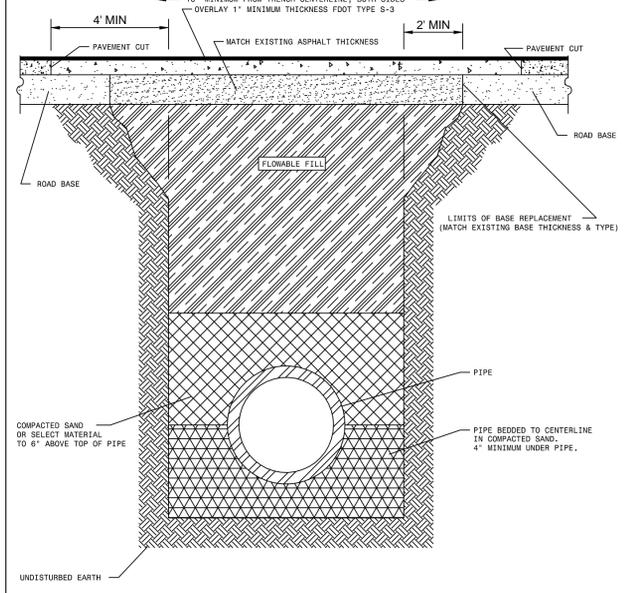
NOTE:
 VENTED ENCLOSURE TO BE COLOR CODED AS FOLLOWS:
 WATER MAIN - BLUE
 FORCE MAIN - GREEN
 REUSE MAIN - PURPLE

CREATED 02/24/03
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STANDARD AIR RELEASE VALVE ASSEMBLY ABOVE GROUND VERTICAL PIPE LAYOUT
 PASCOS COUNTY UTILITIES
 DETAIL 07



NOTES:
 - LOOSE SOIL OR SELECT MATERIAL IS NATIVE SOIL EXCAVATED FROM THE TRENCH FREE OF ROCKS AND FOREIGN MATERIAL.
 - COMMON FILL TO BE PLACED AND COMPACTED IN 12" LAYERS.
 - ROLLING EQUIPMENT SHALL NOT BE USED FOR COMPACTION UNTIL A MINIMUM OF 18" OF COMMON FILL HAS BEEN PLACED AND COMPACTED OVER THE PIPE. THREE FEET OF FILL SHALL BE PLACED BEFORE A HYDROHAMMER MAY BE USED FOR COMPACTION.

CREATED 02/24/03
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PIPE LAYING CONDITIONS STANDARD UNPAVED AREAS
 PASCOS COUNTY UTILITIES
 DETAIL 35



NOTE:
 - SELECT MATERIAL IS NATIVE SOIL EXCAVATED FROM THE TRENCH FREE OF ROCKS AND FOREIGN MATERIAL.
 - COMPACTION TO TOP OF FILL IS TO BE APPROXIMATELY 90% STANDARD PROCTOR, AASHTO T-99.
 - EXISTING CONCRETE/ASPHALT PAVEMENT SURFACE AND BASE TO BE CUT SQUARE WITH CONCRETE SAW.

CREATED 03/06/03
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PIPE LAYING CONDITIONS FLOWABLE FILL BACKFILL EXISTING PAVED AREAS & ROADWAYS
 PASCOS COUNTY UTILITIES
 DETAIL 36

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CONNERTON CORNER
WATER AND SEWER DETAILS
 PREPARED FOR:
FIRST CAPITAL GROUP

NO.	DATE	DESCRIPTION
1	03/27/2014	UTILITY COMMENT REVISIONS
2	06/22/2015	REVIEW SUBMITTAL

PROJECT NO: FCG CT 1006
 FILE: WSD
 DESIGN BY: NYB
 DRAWN BY: NYB
 FLORIDA PROFESSIONAL ENGINEER

LARA G. BARTHOLOMEW
 DATE:
 REGISTRATION NO. 61035

C-601

FILE: CONNERTON CORNER - WATER AND SEWER DETAILS - C-601 - 20150625 9:20 AM NATALE BUDDEN
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**PIPE RESTRAINT LENGTHS IN FEET
COMMON FITTINGS**

PIPE SIZE	WATER MAINS - TEST PRESSURE 150 PSI				
	FITTING TYPE				
	11-1/4°	22-1/2°	45°	90°	DEAD END
4"	2'	4'	8'	20'	45'
6"	3'	6'	12'	28'	63'
8"	4'	7'	15'	36'	82'
10"	4'	9'	18'	43'	98'
12"	5'	10'	21'	50'	116'
16"	6'	13'	26'	63'	148'
20"	7'	15'	31'	76'	179'
24"	9'	17'	36'	87'	208'

FORCE MAINS - TEST PRESSURE 100 PSI

PIPE SIZE	FITTING TYPE				
	11-1/4°	22-1/2°	45°	90°	DEAD END
4"	1'	3'	6'	13'	30'
6"	2'	4'	8'	19'	42'
8"	2'	5'	10'	24'	55'
10"	3'	6'	12'	29'	66'
12"	3'	7'	14'	34'	77'
16"	4'	8'	18'	42'	99'
20"	5'	10'	21'	50'	119'
24"	6'	11'	24'	58'	139'

RESTRAINT LENGTHS ARE MEASURED FROM THE CENTER LINE OF THE FITTING ALONG THE PIPE IN BOTH DIRECTIONS (EXCEPT DEAD ENDS).

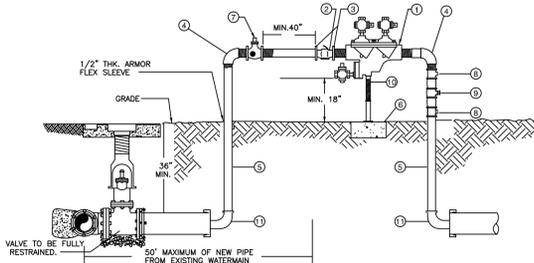
CREATED 02/24/03	RESTRAINED JOINT TABLE COMMON FITTINGS	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	PASCO COUNTY UTILITIES	DETAIL 31

**PIPE RESTRAINT LENGTHS IN FEET
TEES (BRANCH SIDE)**

RUN SIZE	WATER MAINS - TEST PRESSURE 150 PSI									
	BRANCH SIZE									
	3"	4"	6"	8"	10"	12"	16"	20"	24"	
3"	6'	14'	30'	—	—	—	—	—	—	—
4"	2'	11'	28'	44'	—	—	—	—	—	—
6"	1'	2'	22'	40'	52'	—	—	—	—	—
8"	1'	1'	16'	35'	48'	62'	—	—	—	—
10"	1'	1'	10'	30'	44'	58'	83'	—	—	—
12"	1'	1'	3'	25'	40'	55'	80'	103'	—	—
16"	1'	1'	1'	14'	31'	48'	75'	98'	119'	—
20"	1'	1'	1'	2'	22'	40'	69'	94'	116'	—
24"	1'	1'	1'	1'	11'	31'	63'	89'	111'	—

RESTRAINT LENGTHS ARE MEASURED FROM THE CENTER LINE OF THE TEE ALONG THE BRANCH FOR THE DISTANCE INDICATED. A MINIMUM OF 5 FEET OF RESTRAINED PIPE MUST BE INSTALLED ON BOTH RUNS OF THE TEE. MEGALUG TYPE RESTRAINERS ARE REQUIRED ON ALL JOINTS.

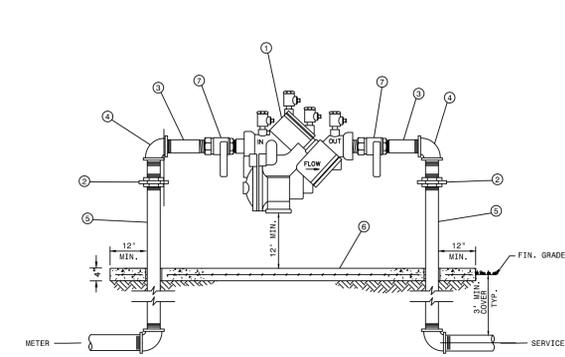
CREATED 02/24/03	RESTRAINED JOINT TABLE TEES (BRANCH SIDE)	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	PASCO COUNTY UTILITIES	DETAIL 32



ITEM	QUANT.	DESCRIPTION
1	1	2" BACKFLOW PREVENTER ASSEMBLY, REDUCED PRESSURE ZONE
2	1	2" METER FURNISHED BY PASCO COUNTY UTILITIES
3	2	BRASS-METER FLANGES OR ADAPTORS
4	2	2" ELBOWS - GALV., 90°
5	2	2" RISER - GALV.
6	1	CONCRETE SLAB
7	1	2" VALVE - BRASS OR S.S.
8	2	TEE/ VALVES - BRASS OR S.S.
9	1	2" GATE VALVE - BRASS OR S.S.
10	1	PIPE STAND (SUPPORT)
11	2	M.J. CAP WITH 2" TAP

- NOTE: CONTRACTOR/CUSTOMER SHALL APPLY AT PASCO COUNTY UTILITIES CUSTOMER SERVICE FOR TEMPORARY WATER SERVICE AT LEAST THREE DAYS PRIOR TO REQUIRED SERVICE DATE.
- THE METER WILL BE FURNISHED, INSTALLED AND INITIAL READING TAKEN BY PASCO COUNTY UTILITIES.
 - ALL FITTINGS, PIPING, VALVES AND MATERIALS INCLUDING THE PASCO COUNTY APPROVED REDUCED PRESSURE BACKFLOW PREVENTION DEVICE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR/CUSTOMER.
 - CONTRACTOR/CUSTOMER FURNISHED REDUCED PRESSURE BACKFLOW PREVENTION DEVICE MUST BE INSTALLED BEFORE THE METER IS INSTALLED BY PASCO COUNTY UTILITIES. THE APPROVED BACKFLOW PREVENTION DEVICE SHALL BE TESTED AND CERTIFIED BY PASCO COUNTY UTILITIES CERTIFIED BACKFLOW PREVENTION TECHNICIAN AT TIME OF METER INSTALLATION.
 - CONTRACTOR/CUSTOMER SHALL PROTECT THE JUMPER/METER ASSEMBLY FROM DAMAGE.
 - CONTRACTOR/CUSTOMER IS RESPONSIBLE FOR BACTERIOLOGICAL TESTING AFTER CONNECTION OF TEMPORARY WATER SERVICE.
 - TEMPORARY CONSTRUCTION JUMPER/METER ASSEMBLY SHALL NOT BE REMOVED UNTIL SYSTEM IS ACCEPTED AND DEPARTMENT OF HEALTH CERTIFICATION AND CLEARANCE FOR SERVICE FORM HAS BEEN RECEIVED BY PASCO COUNTY UTILITIES.
 - WHEN THE NEW SYSTEM IS ACCEPTED AND THE FINAL METER READING TAKEN BY PASCO COUNTY, THE TEMPORARY CONSTRUCTION JUMPER/METER ASSEMBLY MUST BE COMPLETELY REMOVED FROM M.J. CAP TO M.J. CAP AND A NEW WATER MAIN IS TO BE CHLORINATED AND INSTALLED COMPLETING THE FINAL CONNECTION.
 - BY APPLYING FOR SERVICE, CONTRACTOR/CUSTOMER AGREES TO TAKE WATER SERVICE FROM PASCO COUNTY UTILITIES IN ACCORDANCE WITH THE APPROPRIATE RATE SCHEDULE AND IN ACCORDANCE WITH PASCO COUNTY UTILITIES RULES AND REGULATION.

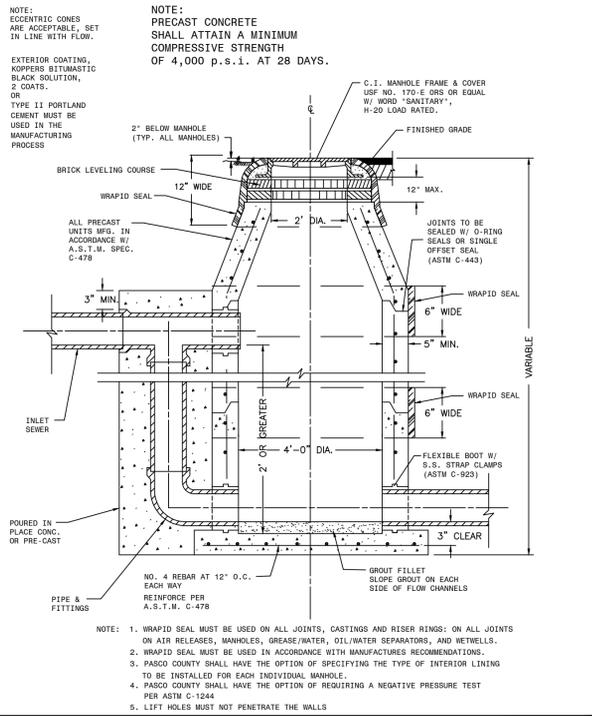
CREATED 11/18/05	TEMPORARY CONSTRUCTION WATER SERVICE	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED 05/30/06	PASCO COUNTY UTILITIES	DETAIL 01



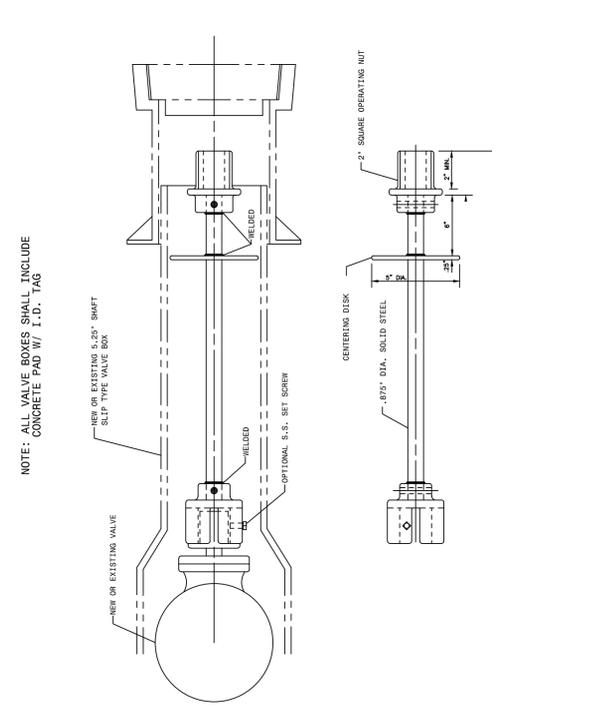
ITEM	QUANT.	DESCRIPTION
1	1	BACKFLOW PREVENTER ASSEMBLY, REDUCED PRESSURE ZONE
2	2	UNIONS - GALV.
3	2	NIPPLES - BRASS
4	2	ELBOWS - GALV., 90°
5	2	RISER - GALV.
6	1	CONCRETE SLAB
7	2	BALL VALVES - BRASS OR S.S. (PROVIDED WITH BFP ASS'Y)

- NOTE: FIELD ADJUST AND CUT ITEM 5 TO THE PROPER LENGTH.
- MINIMUM CLEARANCE OF 24" TO BE MAINTAINED AROUND DEVICE FOR TESTING.
 - ENTIRE ASSEMBLY TO BE PAINTED SAFETY BLUE.
 - CONCRETE SLAB TO EXCEED 12" MIN. AROUND ENTIRE DEVICE.
 - DEVICE MUST BE LISTED WITH THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.

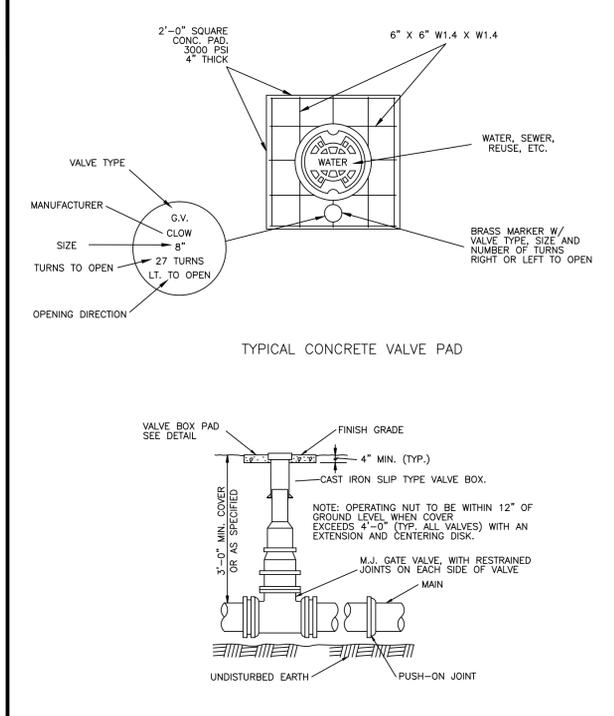
CREATED 02/24/03	REDUCED PRESSURE BACKFLOW PREVENTER (SINGLE SERVICE: 3/4", 1", 1-1/2", 2")	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	PASCO COUNTY UTILITIES	DETAIL 12



CREATED 02/24/03	DROP MANHOLE	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	PASCO COUNTY UTILITIES	DETAIL 42



CREATED 02/24/03	VALVE EXTENSION RODS	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	PASCO COUNTY UTILITIES	DETAIL 29



CREATED 02/24/03	VALVE BOX DETAIL SLIP TYPE	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL
REVISED	PASCO COUNTY UTILITIES	DETAIL 30

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WATER & SEWER DETAILS
FIRST CAPITAL GROUP
PREPARED FOR:

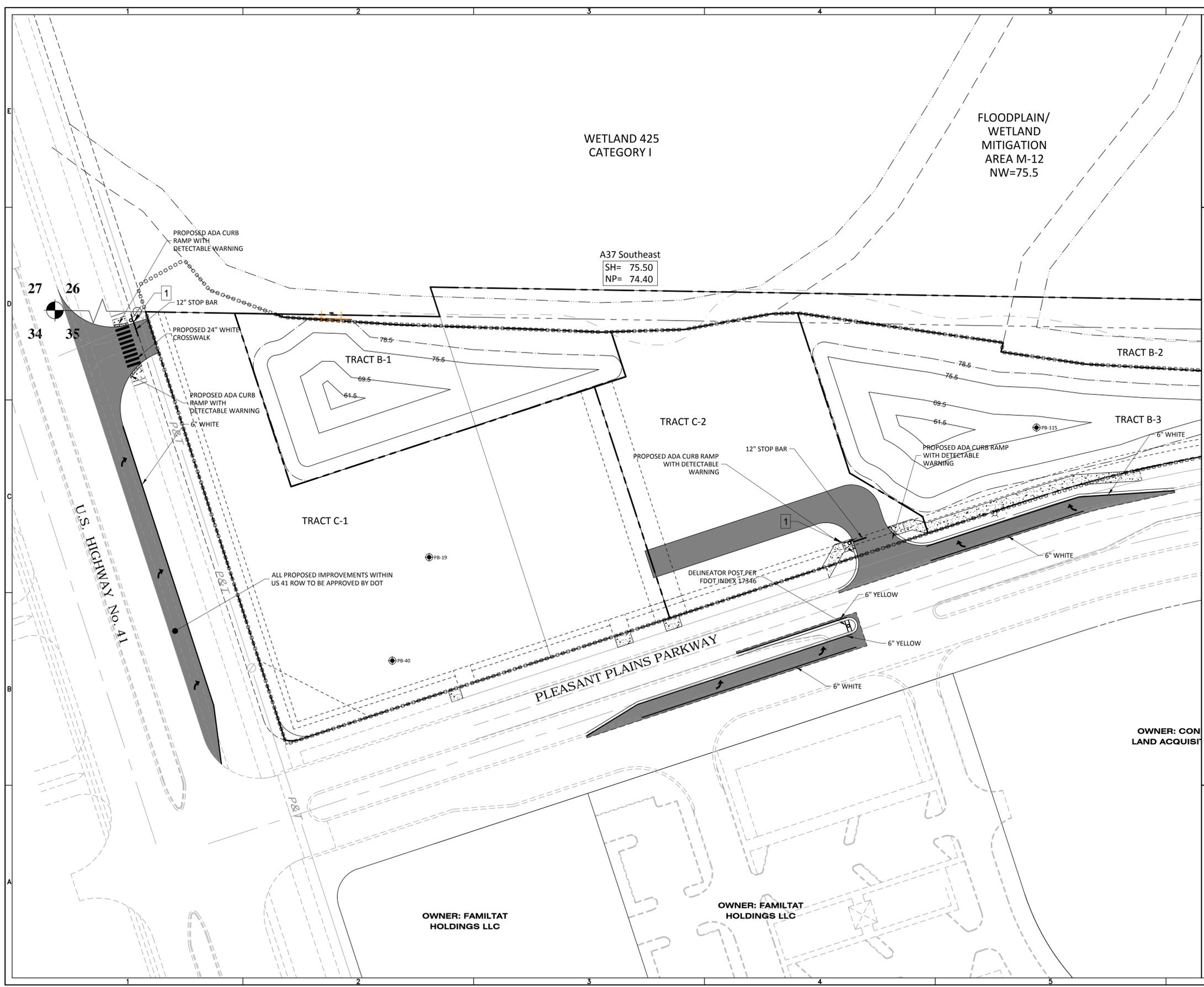
DATE	DESCRIPTION
06/22/2015	REVIEW SUBMITTAL

PROJECT NO:	FCG CT 1006
FILE:	WSD
DESIGN BY:	NYB
DRAWN BY:	NYB
FLORIDA PROFESSIONAL ENGINEER	

LARA G. BARTHOLOMEW
DATE:
REGISTRATION NO. 61035

C-602

R:\CONNERTON\FCG - CONNERTON\WORKING FILES\CURRENT DRAWINGS\CP\WSD\DWG-C-602-20150925 9:20 AM NATALE BUDEN



0 40 80
GRAPHIC SCALE: 1" = 40'

ELEVATIONS BASED ON:
NORTH GEODETIC VERTICAL DATUM 1929
CONVERSION:
NAVD 29 TO NGVD 88 = -0.84

SIGNAGE LEGEND

① = 
R1-1
30" x 30"

SIGN QUANTITY TABLE

SIGN NAME	QUANTITY
R1-1	2

HEIDT DESIGN
Civil Engineering • Planning & GIS
Transportation Engineering
Ecological Services • Landscape Architecture

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Engineering Business Certificate of Authorization No. 23752
Landscape Architecture Certificate of Authorization No. LC26000405

CONNERTON CORNER

SIGNING & PAVEMENT MARKING

PREPARED FOR: FIRST CAPITAL GROUP

DATE	DESCRIPTION

DATE	DESCRIPTION
06/22/2015	1 REVIEW SUBMITTAL

PROJECT NO: FCG CT 1006
FILE: SPM
DESIGN BY: NYB
DRAWN BY: NYB

FLORIDA PROFESSIONAL ENGINEER

LARA G. BARTHOLOMEW
DATE: _____
REGISTRATION NO. 61035

C-701

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SIGNING AND PAVEMENT MARKING NOTES (PRIVATE ROADWAYS):

1. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN CONFORMANCE WITH THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.
2. STREET NAME SIGNS SHALL BE 6" ON LOCAL ROADS AND 9" ON COLLECTOR AND ARTERIAL ROADS. SIX-INCH SIGNS SHALL HAVE 4" SERIES C LETTERS AND 9" SIGNS SHALL HAVE 6" SERIES B LETTERS. ALL STREET NAME SIGNS ON PRIVATE STREETS (NON-COUNTY MAINTAINED) SHALL BE STANDARD D3 STREET NAMES WITH THE COLORS REVERSED, WHITE BACKGROUND WITH GREEN LETTERS AND BORDER. AT INTERSECTIONS WITH COUNTY MAINTAINED ROADS, THE COUNTY MAINTAINED ROAD SHALL BE GREEN BACKGROUND WITH WHITE LETTERS.
3. CONTRACTOR MUST CONTACT ENGINEER OF RECORD PRIOR TO ORDERING STREET NAME SIGNS. APPROVED STREET NAMES CANNOT BE DETERMINED UNTIL RECORDING OF THE PLAT.
4. EXISTING STRIPING AND OTHER PAVEMENT MARKINGS TO BE REMOVED SHALL BE DONE AS NECESSARY BY HYDROBLASTING. GRINDING IS NOT PERMITTED.

SPECIFICATIONS FOR DESIGN AND INSTALLATION OF TRAFFIC CONTROL DEVICES ON COUNTY ROADS

1) PURPOSE:

THESE SPECIFICATIONS HAVE BEEN DEVELOPED TO PROVIDE DEVELOPERS WITH A UNIFORM SYSTEM FOR INSTALLATION OF TRAFFIC CONTROL DEVICES ON THE COUNTY ROAD SYSTEM. A UNIFORM SYSTEM PROVIDES FOR REDUCED MAINTENANCE COSTS AND A HIGH STANDARD OF VISIBILITY FOR DRIVERS. ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL BE INSTALLED BY THE DEVELOPER OF THE PROJECT.

2) FLORIDA STATE STATUTE 316.0745:

- 2.1) ANY AND ALL TRAFFIC CONTROL DEVICES INSTALLED ON THE COUNTY ROAD SYSTEM SHALL CONFORM TO FLORIDA STATE STATUTE 316.0745, UNIFORM SIGNALS AND DEVICES.
- 2.2) THIS STATUTE REQUIRES THAT ALL DEVICES CONFORM TO FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFICATIONS. THE FDOT HAS ADOPTED THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS THE STANDARDS TO BE USED IN THE STATE OF FLORIDA.

3) PAVEMENT MARKINGS:

- 3.1) ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC OR PREFORMED TAPES; RAISED PAVEMENT MARKERS SHALL BE CLASS "B".
- 3.2) PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS SHALL BE INSTALLED ON ALL ROADS CLASSIFIED OTHER THAN RESIDENTIAL WITH AN ADT GREATER THAN 500 VEHICLES, OR IF OTHER CONDITIONS EXIST THAT REQUIRE PAVEMENT MARKINGS, (SEE M.U.T.C.D. SECTION 3B-1).

4) TRAFFIC CONTROL SIGNS:

- 4.1) ALL SIGN BLANKS SHALL BE OF A TYPE CURRENTLY CERTIFIED BY THE FDOT FOR USE IN THE STATE OF FLORIDA.
- 4.2) ALL SIGN FACES SHALL BE HIGH INTENSITY GRADE AND OF A TYPE CURRENTLY CERTIFIED BY THE FDOT FOR USE IN THE STATE OF FLORIDA.
- 4.3) ALL SIGNS SHALL BE NO LESS THAN THE STANDARD SIZE AS SPECIFIED BY THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. NO MINIMUM SIZE SIGNING SHALL BE ACCEPTED. LARGER SIGNS SHALL BE USED WHEN REQUIRED BY DESIGN SPEED, ETC.
- 4.4) STREET NAME SIGNS SHALL BE 6" ON LOCAL ROADS, AND 9" ON COLLECTOR AND ARTERIAL ROADS. SIX INCH SIGNS SHALL HAVE 4" SERIES C LETTERS AND 9" SIGNS SHALL HAVE 6" SERIES B LETTERS. ALL STREET NAME SIGNS ON PRIVATE ROADS SHALL BE STANDARD D3 STREET NAME SIGNS WITH THE COLORS REVERSED, WHITE BACKGROUND WITH GREEN LETTERS AND BORDER. AT INTERSECTIONS WITH COUNTY MAINTAINED ROADS, THE COUNTY MAINTAINED ROAD SHALL BE GREEN BACKGROUND WITH WHITE LETTERS AND BORDER. STREET NAME SIGN BRACKETS FOR 6" SIGNS 30" LONG OR LESS, OR 9" SIGNS 24" LONG OR LESS, SHALL HAVE A 5 INCH BLADE OR CROSS. ALL OTHER STREET NAME SIGNS SHALL BE MOUNTED WITH BRACKETS WITH A 12 INCH BLADE OR 8 INCH CROSS. ALL STREET NAME SIGN BRACKETS SHALL BE SUPPLIED WITH BOLTS, SET SCREWS WILL NOT BE ACCEPTED.
- 4.5) ON ROADS TO BE MAINTAINED BY PASCO COUNTY, ALL SIGNS OTHER THAN STREET NAMES SHALL BE DATE CODED WITH A YELLOW REFLECTIVE LABEL AFFIXED TO THE BACK OF THE SIGN. IT WILL BE PUNCHED TO SHOW MONTH, DAY AND YEAR OF INSTALLATION (SEE SAMPLE LABEL). ALTERNATE LABEL DESIGNS PROVIDING THE DATE CODE INFORMATION MAY BE USED IF A SAMPLE IS SUBMITTED AND APPROVED BY PASCO COUNTY PRIOR TO INSTALLATION.

SAMPLE LABEL: SIZE 2" X 4"

WARNING

REMOVAL OF, OR DEFACING ANY TRAFFIC CONTROL DEVICE IS PUNISHABLE BY FINE AND/OR IMPRISONMENT REPORT DAMAGE BY CALLING (727) 847-2411

INSTALLED

J F M A M J J A S O N D

10'S 20'S 30'S 1 2 3 4 5 6 7 8 9

01 02 03 04 05 06 07 08 09

- 4.6) ALL POST SYSTEMS, MOUNTING BRACKETS AND HARDWARE SHALL BE OF A TYPE CURRENTLY IN USE BY THE PASCO COUNTY PUBLIC WORKS DEPARTMENT AND CURRENTLY CERTIFIED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION FOR USE IN THE STATE OF FLORIDA. ALTERNATIVE SYSTEMS, ETC., SHALL ONLY BE USED IF APPROVED BY THE COUNTY ENGINEER.

5) CERTIFICATION OF MATERIALS:

- 5.1) ALL TRAFFIC CONTROL DEVICES AND MATERIALS SHALL BE ON THE CURRENT FDOT APPROVED PRODUCTS LIST. PROOF OF CERTIFICATION IS REQUIRED FOR ALL TRAFFIC CONTROL DEVICES.
- 5.2) A TRAFFIC CONTROL DEVICES SUBMITTAL DATA FORM SHALL BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION OF ANY TRAFFIC CONTROL DEVICE. NO TRAFFIC CONTROL DEVICE SHALL BE INSTALLED UNTIL THE CERTIFICATION SUBMITTAL HAS BEEN APPROVED BY THE TRAFFIC OPERATIONS DIVISION. THESE FORMS ARE AVAILABLE FROM THE TRAFFIC OPERATIONS DIVISION. COPIES OF THE APPROVED TRAFFIC CONTROL DEVICES SUBMITTAL DATA FORM SHALL BE SENT TO THE CONTRACTOR AND THE ENGINEERING INSPECTIONS DIVISION.

6) TRAFFIC CONTROL DEVICES PLAN:

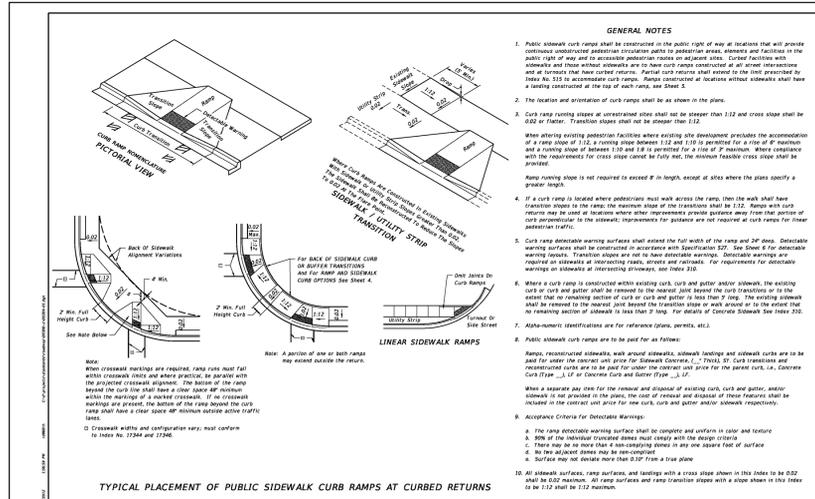
- 6.1) A DETAILED SET OF PLANS FOR REQUIRED TRAFFIC CONTROL DEVICES SHALL BE SUBMITTED FOR ALL ROAD CONSTRUCTION, SITE DEVELOPMENT, SUBDIVISION, AND RIGHT-OF-WAY USE PERMITS. THESE PLANS SHALL BE IN CONFORMANCE WITH FDOT DESIGN STANDARDS. ALL PLANS SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA.
- 6.2) WITH THE SUBMITTAL OF FINAL PLANS TO THE DEVELOPMENT REVIEW DIVISION, TWO ADDITIONAL SETS OF THE TRAFFIC CONTROL PLAN PORTION OF THE ENTIRE PLAN SHALL BE SUBMITTED. THESE TWO SETS WILL BE FORWARDED TO THE TRAFFIC OPERATIONS DIVISION.

7) COST ESTIMATE:

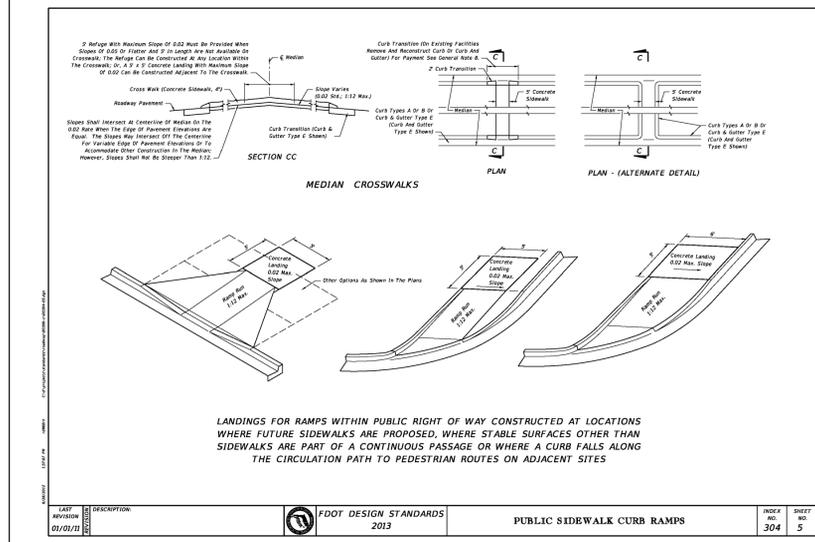
AN ENGINEER'S COST ESTIMATE SHALL BE REQUIRED FOR ALL PROPOSED TRAFFIC CONTROL DEVICES. THE ESTIMATE SHALL BE PROVIDED IN CONJUNCTION WITH THE TRAFFIC CONTROL DEVICES SUBMITTAL DATA FORM (SEE SECTION 5.2).

8) INSPECTION AND ACCEPTANCE:

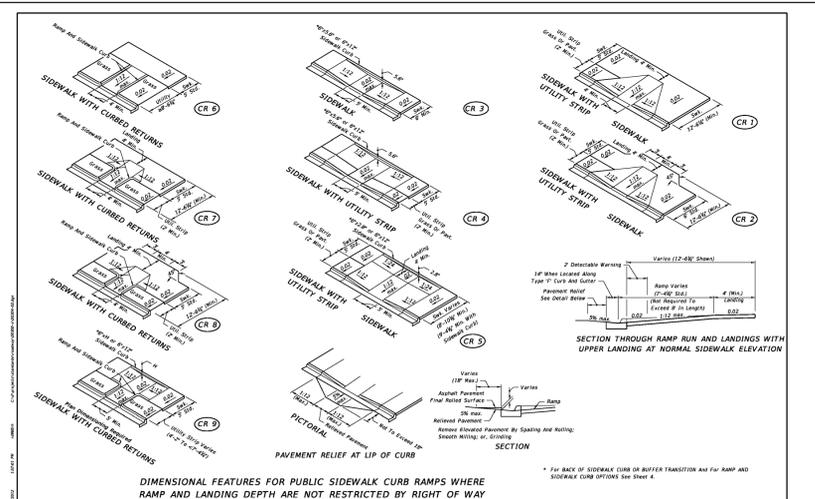
- 8.1) UPON COMPLETION OF THE INSTALLATION OF THE TRAFFIC CONTROL DEVICES, THE CONTRACTOR SHALL CALL THE ENGINEERING INSPECTIONS DIVISION FOR AN INSPECTION AT (727) 847-8154.
- 8.2) THE INSPECTION SHALL BE MADE BY THE ENGINEERING INSPECTION DIVISION WITHIN 48 HOURS (TWO WORKING DAYS) OF THE REQUEST.
- 8.3) AN INSPECTION REPORT SHALL BE MADE BY THE ENGINEERING INSPECTIONS DIVISION. COPIES OF THE REPORT SHALL BE SENT TO THE ENGINEER AND THE DEVELOPER.
- 8.4) NO ROADWAY SHALL BE OPEN TO THE PUBLIC UNTIL ALL TRAFFIC CONTROL DEVICES HAVE BEEN INSPECTED AND ACCEPTED BY PASCO COUNTY.



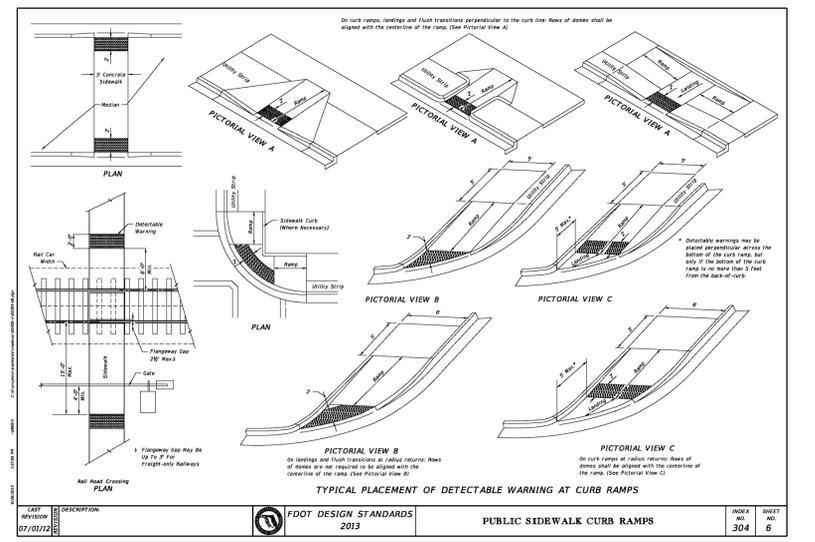
LAST REVISION	DESCRIPTION	FDOT DESIGN STANDARDS	PUBLIC SIDEWALK CURB RAMPS	INDEX NO.	SHEET NO.
01/01/17		2013		304	1



LAST REVISION	DESCRIPTION	FDOT DESIGN STANDARDS	PUBLIC SIDEWALK CURB RAMPS	INDEX NO.	SHEET NO.
01/01/17		2013		304	5



LAST REVISION	DESCRIPTION	FDOT DESIGN STANDARDS	PUBLIC SIDEWALK CURB RAMPS	INDEX NO.	SHEET NO.
01/01/17		2013		304	2



LAST REVISION	DESCRIPTION	FDOT DESIGN STANDARDS	PUBLIC SIDEWALK CURB RAMPS	INDEX NO.	SHEET NO.
01/01/17		2013		304	6



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Landscape Architecture Certificate of Authorization No. LC26000405

**CONNERTON CORNER
SIGNING & PAVEMENT MARKING
NOTES**

PREPARED FOR:
FIRST CAPITAL GROUP

NO.	DATE	DESCRIPTION
1	06/22/2015	REVIEW SUBMITTAL

PROJECT NO: FCG CT 1006
FILE: SPM
DESIGN BY: NYB
DRAWN BY: NYB

FLORIDA PROFESSIONAL ENGINEER

LARA G. BARTHOLOMEW
DATE: 06/22/2015
REGISTRATION NO. 61035

C-702

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STORM WATER POLLUTION PREVENTION PLAN

CONTAINED ON THESE PLANS AND WITHIN THE FOLLOWING NOTES IS A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WHICH HAS BEEN DEVELOPED BY HEIDT DESIGN, LLC IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTIONS (FDEP) "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" (NPDES) GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES.

THE FOLLOWING ENTITIES ARE IDENTIFIED AS TEAM MEMBERS OF "SWPPP": HEIDT DESIGN, LLC, THE DEVELOPER AS IDENTIFIED IN THE TITLE BOX OF THESE PLANS, AND THE SITE CONTRACTOR AND HIS SUB-CONTRACTORS. EACH TEAM MEMBER HAS SPECIFIC RESPONSIBILITIES AND OBLIGATIONS. IN GENERAL, ALL TEAM MEMBERS, WITH REGARD TO THEIR INVOLVEMENT AND RESPONSIBILITIES ON THE PROJECT, ARE TO IMPLEMENT ALL NECESSARY STORM WATER MANAGEMENT CONTROLS TO ASSURE COMPLIANCE WITH THE NPDES GENERIC PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMIT, THE APPLICABLE LOCAL GOVERNING AGENCY (I.E. HILLSBOROUGH COUNTY, CITY OF TAMPA, ETC) AND THE GUIDELINES LISTED IN THE SWPPP. THE DUTIES AND RESPONSIBILITIES OF THE TEAM MEMBERS AS THEY PERTAIN TO THE SWPPP ARE AS FOLLOWS:

HEIDT DESIGN, LLC:

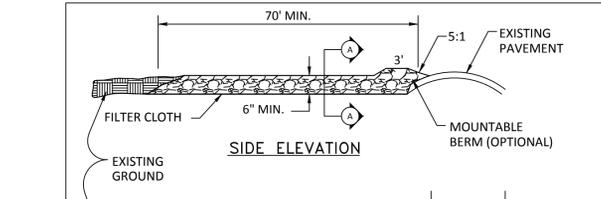
- A. DEVELOP SWPPP INCLUDING, BUT NOT LIMITED TO, RETENTION/DETENTION PONDS, CONTROL STRUCTURES, EROSION CONTROL METHODS AND LOCATIONS AND STABILIZATION CRITERIA. THIS DESIGN IS INCLUDED WITHIN THESE CONSTRUCTION PLANS AND THE FOLLOWING NOTES AND INSTRUCTIONS.
- B. SUBMIT AND OBTAIN THE NECESSARY DESIGN RELATED STORM WATER PERMITS FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND OTHER APPLICABLE GOVERNMENTAL BODIES.
- C. UPON NOTIFICATION BY THE DEVELOPER OF HIS INTENT TO COMMENCE CONSTRUCTION, SUBMIT A NOTICE OF INTENT TO THE FDEP ON BEHALF OF THE DEVELOPER AND COPY THE CONTRACTOR INCLUDING SWPPP CERTIFICATION AND COPY OF THE PERMIT.
- D. SUBMIT TO SWFWMD AND THE OPERATOR OF THE MUNICIPAL SEPARATE STORM WATER SYSTEM, IF APPLICABLE, A LETTER OF CONSTRUCTION COMMENCEMENT.
- E. COMPLETE AND SUBMIT A NOTICE OF TERMINATION AND CERTIFICATION FOR DEVELOPER. THE NOT'S SHALL BE SUBMITTED NO MORE THAN 30 DAYS AFTER:

- (a) COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF THE SITE OR
- (b) WHEN RESPONSIBILITY FOR THE SITE HAS ENDED. FINAL STABILIZATION AS DEFINED BY EPA IS WHEN ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND A UNIFORM (E.G. EVENLY DISTRIBUTED, WITHOUT LARGE BARE AREAS) PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF THE NATIVE BACKGROUND VEGETATIVE COVER FOR THE AREA HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES. AS AN ALTERNATIVE, EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS RIPRAP, GABIIONS, OR GEOTEXTILES) MAY BE EMPLOYED. THE CLIENT SHALL NOTIFY HEIDT DESIGN, LLC WHEN ONE OF THESE CRITERIA HAS BEEN MET.

CONTRACTOR:

- A. SIGN AND RETURN TO HEIDT A CONTRACTORS CERTIFICATION FORM CERTIFYING YOUR UNDERSTANDING OF AND WILLINGNESS TO COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN NO LATER THAN 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALSO, EACH SUB-CONTRACTOR AFFECTED BY THE SWPPP MUST CERTIFY TO THE CONTRACTOR THAT THEY UNDERSTAND AND SHALL COMPLY WITH THE NPDES PERMIT AND SWPPP. A RECORD OF THESE CERTIFICATIONS SHALL BE MAINTAINED BY THE CONTRACTOR ON SITE.
- B. DURING CONSTRUCTION, ASSURE COMPLIANCE WITH THE DESIGNED STORM WATER POLLUTION PREVENTION PLANS PREPARED BY HEIDT DESIGN, LLC AND THE NPDES GENERIC PERMIT FOR STORM WATER DISCHARGES FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES.
- C. MAINTAIN A COPY OF THE CONSTRUCTION PLANS, WHICH INCLUDE THE STORM WATER POLLUTION PREVENTION PLAN, THE NOI, AND ALL INSPECTION REPORTS AND CERTIFICATIONS ON SITE.
- D. UNDERTAKE ALL REASONABLE BEST MANAGEMENT PRACTICES (BMP'S) TO ASSURE THAT Silted OR OTHERWISE POLLUTED STORM WATER IS NOT ALLOWED TO DISCHARGE FROM THE SITE DURING ALL PHASES OF CONSTRUCTION. STABILIZATION BMP'S THAT MAY BE USED INCLUDE:

- TEMPORARY OR PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES AND PRESERVATION OF MATURE VEGETATION. STRUCTURAL EROSION AND SEDIMENT CONTROL BMP'S THAT MAY BE USED INCLUDE: STRAW BALE DIKES, SILT FENCES, EARTH DIKES, BRUSH BARRIERS, DRAINAGE SWALES, CHECK DAMS, SUBSURFACE DRAIN, PIPE SLOPE DRAIN, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, OUTLET PROTECTION, SEDIMENT TRAPS, AND TEMPORARY SEDIMENT BASINS. DETENTION PONDS MAY ALSO BE USED AS TEMPORARY SEDIMENT BASINS. ADDITIONAL BMP'S THAT MAY NEED TO BE IMPLEMENTED INCLUDE: PROVIDING PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER POTENTIALLY TOXIC MATERIALS. PROVIDING WASTE RECEPTACLES AT CONVENIENT LOCATIONS AND PROVIDING REGULAR COLLECTION OF WASTES, INCLUDING BUILDING MATERIAL WASTES. MINIMIZING OFF-SITE TRACKING OF SEDIMENTS. MAKING ADEQUATE PREPARATIONS, INCLUDING TRAINING AND EQUIPMENT TO CONTAIN SPILLS OF OIL AND HAZARDOUS MATERIALS. COMPLYING WITH APPLICABLE STATE OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS AND THE USE OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR ALLOWABLE NON-STORM WATER COMPONENTS OF DISCHARGE.
- E. NOTIFY HEIDT DESIGN, LLC AND THE DEVELOPER IN WRITING OF ANY NON-STORM WATER POLLUTION SOURCES WHICH ARE BEING STORED, OR OTHERWISE USED DURING THE CONSTRUCTION OF THE PROJECT, I.E., FERTILIZERS, FUELS, PESTICIDES, OTHER CHEMICALS. THIS NOTIFICATION SHOULD BE ACCOMPANIED WITH THE CONTRACTOR'S DESIGN AND METHODS TO PREVENT POLLUTION RUN-OFF FROM THESE SOURCES.
- F. DEVELOP A MAINTENANCE AND INSPECTION PLAN WHICH INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
 - A. THE SPECIFIC AREAS TO BE INSPECTED AND MAINTAINED THAT INCLUDES ALL THE DISTURBED AREAS AND MATERIAL STORAGE AREAS OF THE SITE.
 - B. THE EROSION AND SEDIMENT CONTROLS IDENTIFIED IN THE SWPPP TO BE MAINTAINED AND INSPECTED AND THOSE ADDITIONAL CONTROLS THAT THE CONTRACTOR DEEMS NECESSARY.
 - C. MAINTENANCE PROCEDURES.
 - D. THE PROCEDURE TO FOLLOW IF ADDITIONAL WORK IS REQUIRED OR WHOM TO CALL.
 - E. INSPECTIONS AND MAINTENANCE FORMS.
 - F. THE PERSONNEL ASSIGNED TO EACH TASK.



REPORT FORM FOR CHANGES IN THE SWPPP SHALL BE COMPLETED AND A COPY SENT TO HEIDT DESIGN, LLC THE ORIGINAL SHALL BE KEPT ON SITE AS DOCUMENTATION OF THE CHANGE. IF THE INSPECTION PASSES, A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE SWPPP AND THE NPDES PERMIT MUST BE SIGNED BY A DULY AUTHORIZED REPRESENTATIVE OF THE PRINCIPAL EXECUTIVE OFFICIAL OF THE OPERATOR OF THE SWPPP WITH ONE OF THE FOLLOWING QUALIFICATIONS:

- 1. HAS SUCCESSFULLY COMPLETED THE FLORIDA STORMWATER, EROSION AND SEDIMENT CONTROL INSPECTOR TRAINING PROGRAM.
- 2. SUCCESSFULLY COMPLETED A SIMILAR TRAINING PROGRAM.
- 3. HAS ENOUGH PRACTICAL ON THE JOB TRAINING TO BE QUALIFIED TO PERFORM THE INSPECTIONS.

RETAIN INSPECTION REPORTS AND CERTIFICATIONS FOR AT LEAST THREE YEARS.

G. SITE STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.

H. RELEASES IN EXCESS OF REPORTABLE QUANTITIES.

- 1. THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORMWATER DISCHARGE(S) FROM A FACILITY OR ACTIVITY SHALL BE PREVENTED OR MINIMIZED WITHIN THE APPLICABLE STORMWATER POLLUTION PREVENTION PLAN FOR THE FACILITY OR ACTIVITY. THIS PERMIT DOES NOT RELIEVE THE OPERATOR OF THE REPORTING REQUIREMENTS OF 40 CFR PART 117 AND 40 CFR PART 302. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302, OCCURS DURING A 24 HOUR PERIOD:
 - A. THE OPERATOR IS REQUIRED TO NOTIFY THE STATE WARNING POINT (800-210-0519 OR 850-413-9911) AS SOON AS HE OR SHE HAS KNOWLEDGE OF THE DISCHARGE;
 - B. THE OPERATOR SHALL SUBMIT WITHIN 14 CALENDAR DAYS OF KNOWLEDGE OF THE RELEASE A WRITTEN DESCRIPTION OF: THE RELEASE (INCLUDING THE TYPE AND ESTIMATE OF THE AMOUNT OF MATERIAL RELEASED), THE DATE THAT SUCH RELEASE OCCURRED, THE CIRCUMSTANCES LEADING TO THE RELEASE, AND REMEDIAL STEPS TO BE TAKEN, TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, NPDES STORMWATER SECTION, MAIL STATION 2500, 2600 BLAIR STONE ROAD, TALLAHASSEE, FLORIDA 32399-2400; AND
 - C. THE STORMWATER POLLUTION PREVENTION PLAN REQUIRED UNDER PART V OF THIS PERMIT MUST BE MODIFIED WITHIN 14 CALENDAR DAYS OF KNOWLEDGE OF THE RELEASE TO: PROVIDE A DESCRIPTION OF THE RELEASE, THE CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF THE RELEASE. IN ADDITION, THE PLAN MUST BE REVISED TO IDENTIFY MEASURES TO PREVENT THE REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES, AND THE PLAN MUST BE MODIFIED WHERE APPROPRIATE.
- 2. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ON-SITE SPILL.

DEVELOPER:

- A. NOTIFY HEIDT DESIGN, LLC OF YOUR INTENT TO COMMENCE CONSTRUCTION. SIGN THE NOTICE OF INTENT FORM AS OPERATOR OF THE STORM WATER DISCHARGE FACILITY AND PERMITTEE AND RETURN TO HEIDT DESIGN, LLC.
- B. SIGN A CERTIFICATION OF STORM WATER POLLUTION PREVENTION PLAN AND RETURN TO HEIDT DESIGN, LLC.
- C. NOTIFY HEIDT DESIGN, LLC WHEN IT IS TIME TO SUBMIT A NOTICE OF TERMINATION AS DEFINED UNDER PART E OF THE HEIDT DESIGN, LLC SECTION OF THE SWPPP. SIGN AND RETURN TO HEIDT DESIGN, LLC FOR SUBMITTAL TO FDEP A NOTICE OF TERMINATION FORM AND CERTIFICATION.

PRE-DEVELOPED SITE INFORMATION:

- 1. TOTAL SITE ACREAGE: 6.45 AC.
- 2. LAND USE: COMMERCIAL
- 3. VEGETATION: NATURAL GRASSES
- 4. RECEIVING WATERS OR MUNICIPAL SEPARATE STORM WATER SYSTEM: FIVE MILE CREEK
- 5. 2 YEAR/24 HOUR RAINFALL DEPTH: 4.5"
- 6. SOIL TYPES: BASINGER FINE SAND, ZOLFO FINE SAND

PROJECT INFORMATION:

- 1. PROJECT TYPE (COMMERCIAL)
- 2. ANTICIPATED CONSTRUCTION SEQUENCE IS AS FOLLOWS:
 - 1. COMPLETE EROSION CONTROL INSTALLATION
 - 2. CLEARING AND GRUBBING
 - 3. EARTHWORK ACTIVITIES
 - 4. STORM WATER SYSTEM CONSTRUCTION
 - 5. UTILITY CONSTRUCTION
 - 6. BASE AND PAVEMENT CONSTRUCTION
 - 7. FINAL STABILIZATION

PLEASE NOTE THAT CONSTRUCTION PHASING MUST ALLOW FOR STORMWATER DISCHARGE OF OFFSITE COLLECTED RUNOFF THROUGHOUT ALL PHASES OF CONSTRUCTION.

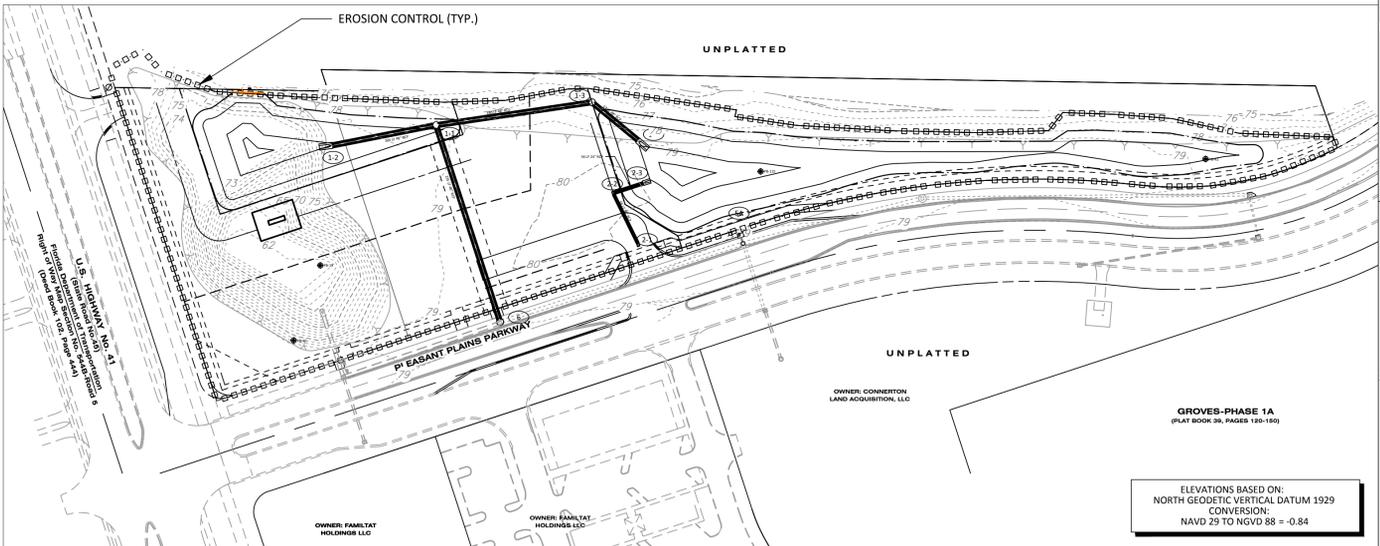
THE BMP'S LISTED IN PART D OF THE CONTRACTOR SECTION OF THE SWPPP SHALL BE CONSIDERED DURING ALL PHASES OF CONSTRUCTION.

- 3. ANTICIPATED START DATE: 10/2015
- 4. ANTICIPATED COMPLETION DATE: 01/2016
- 5. TOTAL ACRES DISTURBED: 5.3
- 6. PRE-DEVELOPED "C" FACTOR: 0.20
- 7. POST-DEVELOPED "C" FACTOR: 0.20
- 8. THE STORM WATER MANAGEMENT SYSTEM, UPON COMPLETION OF CONSTRUCTION AND APPROPRIATE CERTIFICATION AND AS-BUILT SUBMITTALS WILL BE OPERATED AND MAINTAINED BY FISHHAWK CDD II.
- 9. THE POTENTIAL SOURCE OF POLLUTION FROM THIS PROJECT IS ON-SITE DEVELOPMENT AND CONSTRUCTION ACTIVITY.

GENERAL EROSION AND TURBIDITY CONTROL NOTES

- 1. THE SITE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL EROSION AND TURBIDITY CONTROLS AND THE QUALITY AND QUANTITY OF OFFSITE OR WETLAND DISCHARGES.
- 2. PRIOR TO CONSTRUCTION, THE SITE SUBCONTRACTOR IS RESPONSIBLE FOR HAVING HIS DEWATERING PLAN AND TURBIDITY CONTROL PLAN APPROVED BY THE APPLICABLE REVIEWING AGENCIES. REFER TO THE PROJECT'S PERMIT APPROVALS AND PERMIT CONDITIONS FOR AGENCIES REQUIRING SUCH REVIEW AND APPROVAL. QUESTIONS CONCERNING APPROPRIATE TECHNIQUES SHOULD BE ADDRESSED TO THOSE AGENCIES AND/OR DISCUSSED WITH THE PROJECT ENGINEER AND OWNER.
- 3. THE APPROPRIATE TURBIDITY AND EROSION CONTROL METHODS/DESIGNS SELECTED BY THE SITE SUBCONTRACTOR FOR THIS PROJECT SHOULD BE MADE FOLLOWING ASSESSMENT OF THE PLANS AND PROJECT SITE SPECIFIC FACTORS AND AFTER CONSULTATIONS AS NEEDED WITH THE PROJECT ENGINEER AND APPROPRIATE AGENCIES. THE SITE SUBCONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ANY AND ALL NECESSARY PERMITS FOR SUCH ACTIVITY; SEVERAL FACTORS TO CONSIDER ARE LISTED BELOW:
 - A. CLAY CONTENT IN EXCAVATED MATERIALS AND/OR PERMEABILITY RATES
 - B. DEPTH OF CUT IN PONDS, TRENCHES, OR UTILITY LINES
 - C. AMBIENT WETLAND WATER LEVELS
 - D. ACTUAL RAINFALL AMOUNTS AND TIME OF YEAR RELATIVE TO NORMAL RAINY SEASON
 - E. PROXIMITY TO WETLANDS, WATER BODIES OR OFFSITE PROPERTIES
 - F. 'CLASS' DESIGNATION OF RECEIVING WATER BODIES (I.E., OUTSTANDING FLORIDA WATERS, SHELLFISH HARVESTING AREAS, ETC.)
 - G. DENSITY, TYPE, AND PROXIMITY OF UPLAND VEGETATION TO BE RETAINED DURING CONSTRUCTION (FOR USE AS POSSIBLE FILTRATION AREAS)
 - H. FILL HEIGHT RELATIVE TO NATURAL GRADE AND LENGTH AND STEEPNESS OF THE PROPOSED SLOPES
 - I. EXISTING TOPOGRAPHY AND DIRECTIONS OF SURFACE FLOW
 - J. TYPE OF EQUIPMENT USED
 - K. PROJECT TYPE
 - L. DURATION OF CONSTRUCTION ACTIVITIES
 - M. SEPARATION DISTANCE OF ONSITE PONDS
 - N. AMBIENT QUALITY OF SURFACE AND GROUNDWATER
 - O. TEMPORARY STOCKPILE LOCATIONS AND HEIGHTS
- 4. AT THE ONSET OF CONSTRUCTION, THE SITE SUBCONTRACTOR, AS THE PARTY RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN, SHALL ASSESS THE ABOVE DESCRIBED CONDITIONS AND FACTORS WITH RESPECT TO RELATIVE COST EFFECTIVENESS AND SELECT THE APPROPRIATE METHODS OF PROTECTION. A FAIRLY EXTENSIVE LIST OF TECHNIQUES ARE PRESENTED BELOW BUT IT MUST BE STRESSED THAT ANY OR ALL OF THE FOLLOWING MAY BE NECESSARY TO MAINTAIN WATER QUALITY AND QUANTITY STANDARDS. THE CONSTRUCTION SEQUENCING SHOULD BE THOUGHT OUT IN ADVANCE OF INITIATION TO PROVIDE ADEQUATE PROTECTION OF WATER QUALITY.
- 5. DISCHARGES WHICH EXCEED 29 N.T.U.'S OVER THE BACKGROUND LEVELS ARE IN VIOLATION OF STATE WATER QUALITY STANDARDS. DISCHARGES OF WATER QUANTITIES WHICH AFFECT OFFSITE PROPERTIES OR MAY DAMAGE WETLANDS ARE ALSO PROHIBITED BY REGULATING AGENCIES.
- 6. THE EROSION AND TURBIDITY CONTROL MEASURES SHOWN HEREON ARE THE MINIMUM REQUIRED FOR AGENCY APPROVAL. ADDITIONAL CONTROL AND MEASURES MAY BE REQUIRED DUE TO THE SITE SUBCONTRACTOR'S CONSTRUCTION SEQUENCE & UNFORESEEN WEATHER CONDITIONS. ANY ADDITIONAL MEASURES DEEMED NECESSARY BY THE SITE SUBCONTRACTOR SHALL BE INCLUDED IN THE LUMP SUM BID WITH NO EXTRAS FOR MATERIALS AND LABOR ALLOWED.
- 7. HAY BALES OR SILT SCREENS SHALL BE INSTALLED PRIOR TO LAND CLEARING TO PROTECT WATER QUALITY AND TO IDENTIFY AREAS TO BE PROTECTED FROM CLEARING ACTIVITIES AND MAINTAINED FOR THE DURATION OF THE PROJECT UNTIL ALL SOIL IS STABILIZED.
- 8. FLOATING TURBIDITY BARRIERS SHALL BE IN PLACE IN FLOWING SYSTEMS OR IN OPEN WATER LAKE EDGES PRIOR TO INITIATION OF EARTHWORK AND MAINTAINED FOR THE DURATION OF THE PROJECT UNTIL ALL SOIL IS STABILIZED.
- 9. NO CLAY MATERIAL SHALL BE LEFT EXPOSED IN ANY STORMWATER STORAGE FACILITY. IF CLAY OR SANDY CLAYS ARE ENCOUNTERED DURING STORMWATER STORAGE EXCAVATION, THE SITE SUBCONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY BEFORE PROCEEDING WITH FURTHER EXCAVATION. IF THE ENGINEER OF RECORD HAS DETERMINED THAT SUCH SOILS ARE NON-CONFINING AND MUST BE EXCAVATED TO MEET PERMIT AND DESIGN CONDITIONS, EXCAVATION MAY PROCEED AFTER OBTAINING WRITTEN AUTHORIZATION FROM THE APPROPRIATE GOVERNING AGENCY. IF SAID SOILS ARE LEFT EXPOSED AT THE PERMITTED AND DESIGNED DEPTH, THE SITE SUBCONTRACTOR SHALL OVER-EXCAVATE THE POND'S BOTTOM AND SIDE SLOPES BY A MINIMUM OF TWELVE (12") INCHES AND BACKFILL WITH CLEAN SANDS TO HELP PREVENT SUSPENSION OF FINE PARTICLES IN THE WATER COLUMN. THE INSTALLATION OF TEMPORARY EROSION CONTROL BARRIERS SHALL BE COORDINATED WITH THE CONSTRUCTION OF THE PERMANENT EROSION CONTROL FEATURES TO THE EXTENT NECESSARY TO ASSURE EFFECTIVE AND CONTINUOUS CONTROL OF EROSION AND WATER POLLUTION THROUGHOUT THE LIFE OF THE CONSTRUCTION PHASE.
- 11. THE TYPE OF EROSION CONTROL BARRIERS USED SHALL BE GOVERNED BY THE NATURE OF THE CONSTRUCTION OPERATION AND SOIL TYPE THAT WILL BE EXPOSED. SILTY AND CLAYEY MATERIAL MAY REQUIRE SOIL SEDIMENT BARRIERS TO PREVENT TURBID WATER DISCHARGE. WHILE SANDY MATERIAL MAY NEED ONLY SILT SCREENS OR HAY BALES TO PREVENT EROSION. FLOATING TURBIDITY CURTAINS SHOULD GENERALLY BE USED IN OPEN WATER SITUATIONS. DIVERSION DITCHES OR SWALES MAY BE REQUIRED TO PREVENT TURBID STORMWATER RUNOFF FROM BEING DISCHARGED TO WETLANDS OR OTHER WATER BODIES. IT MAY BE NECESSARY TO EMPLOY A COMBINATION OF BARRIERS, DITCHES, AND OTHER EROSION/TURBIDITY CONTROL MEASURES IF CONDITIONS WARRANT.
- 12. WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATERS FROM CONSTRUCTION AREAS, THE WATER SHALL BE TREATED PRIOR TO DISCHARGE TO THE WETLANDS. TREATMENT METHODS INCLUDE, FOR EXAMPLE, TURBID WATER BEING PUMPED INTO GRASSED SWALES OR APPROPRIATE UPLAND VEGETATED AREAS (OTHER THAN UPLAND PRESERVATION AREAS AND WETLAND BUFFERS), SEDIMENT BASINS, OR CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS, LOW BERMS, AND KEPT CONFINED UNTIL TURBIDITY LEVELS MEET STATE WATER QUALITY STANDARDS.
- 13. THE PERMITTEE SHALL SCHEDULE HIS OPERATIONS SUCH THAT THE AREA OF UNPROTECTED ERODIBLE

- 14. WATER DERIVED FROM VARIOUS DEWATERING METHODS SHOULD BE PASSED THROUGH SUFFICIENTLY WIDE AREAS OF EXISTING UPLAND VEGETATION TO FILTER OUT EXCESS TURBIDITY. IF THIS IS NOT SUFFICIENT, THE WATER SHALL BE RETAINED IN PREVIOUSLY CONSTRUCTED PERMANENT STORMWATER PONDS OR ELSE RETAINED IN TEMPORARY SEDIMENTATION BASINS UNTIL THE CLARITY IS SUITABLE TO ALLOW FOR ITS DISCHARGE. PLUGGING THE OUTFALLS FROM COMPLETED STORMWATER PONDS MAY BE NEEDED TO AVOID DISCHARGE. HOWEVER, SUCH SITUATIONS SHOULD BE MONITORED CLOSELY TO PRECLUDE BERM FAILURE IF WATER LEVELS RISE TOO HIGH.
- 15. WATER CAN BE TRANSPORTED AROUND THE SITE BY THE USE OF INTERNAL SWALES OR BY PUMPS AND PIPES.
- 16. SHEET FLOW OF NEWLY FILLED OR SCRAPED AREAS MAY BE CONTROLLED OR CONTAINED BY THE USE OF BRUSH BARRIERS, DIVERSION SWALES, INTERCEPTOR DITCHES OR LOW BERMS. FLOW SHOULD BE DIRECTED TOWARD AREAS WHERE SEDIMENTS CAN SUFFICIENTLY SETTLE OUT.
- 17. EXPOSED SOILS SHALL BE STABILIZED AS SOON AS POSSIBLE, ESPECIALLY SLOPES LEADING TO WETLANDS. STABILIZATION METHODS INCLUDE SOLID SOD, SEEDING AND MULCHING OR HYDROMULCHING TO PROVIDE A TEMPORARY OR PERMANENT GRASS COVER MULCH BLANKETS, FILTER FABRICS, ETC., CAN BE EMPLOYED TO PROVIDE VEGETATIVE COVER.
- 18. ENERGY DISSIPATORS (SUCH AS RIP RAP, A GRAVEL BED, HAY BALES, ETC.) SHALL BE INSTALLED AT THE DISCHARGE POINT OF PIPES OR SWALES IF SCOURING IS OBSERVED.
- 19. ATTEMPT TO INSTALL ROADWAY CURB AND GUTTERS AS SOON AS POSSIBLE TO REDUCE THE SURFACE AREA FOR EROSION TO OCCUR.
- 20. IMPLEMENT STORM DRAIN INLET PROTECTION (HAY BALES OR GRAVEL) TO LIMIT SEDIMENTATION WITHIN THE STORMWATER SYSTEM. PERFORM INSPECTIONS AND PERIODIC CLEANING OF SEDIMENTS WHICH WASH OUT INTO THE STREETS UNTIL ALL SOIL IS STABILIZED.
- 21. WATER DISCHARGE VELOCITIES FROM IMPOUNDED AREAS AND TEMPORARY SEDIMENTATION BASINS SHALL BE RESTRICTED TO AVOID SCOURING IN RECEIVING AREAS.
- 22. IF WATER CLARITY DOES NOT REDUCE TO STATE STANDARDS RAPIDLY ENOUGH IN HOLDING PONDS, IT MAY BE POSSIBLE TO USE CHEMICAL AGENTS SUCH AS ALUM TO FLOCCULATE OR COAGULATE THE SEDIMENT PARTICLES.
- 23. HAY BALES, SILT SCREENS, OR GRAVEL BEDS CAN BE ADDED AROUND THE PIPE OR SWALE DISCHARGE POINTS TO HELP CLARIFY DISCHARGES. SPREADER SWALES MAY HELP DISSIPATE CLOUDY WATER PRIOR TO CONTACT WITH WETLANDS.
- 24. ALL FUEL STORAGE AREAS OR OTHER HAZARDOUS STORAGE AREAS SHALL CONFORM TO ACCEPTED STATE OR FEDERAL CRITERIA FOR SUCH CONTAINMENT AREAS.
- 25. VEHICLE OR EQUIPMENT WASHDOWN AREAS WILL BE SUFFICIENTLY REMOVED FROM WETLANDS OR OFFSITE AREAS.
- 26. FUGITIVE DUST CONTROLS (PRIMARILY BY USING WATER SPRAY TRUCKS) SHALL BE EMPLOYED AS NEEDED TO CONTROL WINDBORNE EMISSIONS.
- 27. IF THE ABOVE CONTROLS REMAIN INEFFECTIVE IN PRECLUDING RELEASE OF TURBID WATER, ESPECIALLY DURING POND OR UTILITY LINE DEWATERING, THEN THE CONTRACTOR MAY BE COMPELLED TO USE A VERTICAL DEWATERING SYSTEM SUCH AS WELL POINTS OR SOCK DRAINS TO WITHDRAW GROUNDWATER WHICH MAY ALREADY BE CLEAR ENOUGH TO ALLOW FOR DIRECT DISCHARGE TO WETLANDS.
- 28. ONGOING INSPECTIONS AND PERIODIC MAINTENANCE BY THE SITE SUBCONTRACTOR SHALL OCCUR THROUGHOUT CONSTRUCTION AS NECESSARY TO INSURE THE ABOVE METHODS ARE WORKING SUITABLY. THIS MAY BE NEEDED DAILY, IF CONDITIONS SO WARRANT. SITE SUBCONTRACTORS ARE ENCOURAGED TO OBTAIN AND THOROUGHLY REVIEW THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT, WHICH WAS DEVELOPED BY THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION IN 1989. THIS PROVIDES FAIRLY IN-DEPTH DISCUSSIONS OF RECOMMENDED TECHNIQUES AND ALSO PROVIDES SPECIFIC DESIGN AND TECHNICAL STANDARDS. A COPY OF THIS DOCUMENT IS AVAILABLE FOR REVIEW AT HEIDT DESIGN, LLC.
- 29. THE CONTRACTOR WILL PERFORM DAILY INSPECTIONS OF ALL ON-SITE WETLANDS WITHIN THE CONSTRUCTION AREA TO ENSURE THAT WATER LEVELS WITHIN THOSE WETLANDS ARE NOT EXCESSIVELY IMPOUNDED PRIOR TO THE TIME WHEN THE PERMITTED CONTROL STRUCTURE OR OUTFALL IS BUILT. WATER LEVELS SIGNIFICANTLY ABOVE NORMAL SHOULD BE CORRECTED AT A FREQUENCY THAT PREVENTS A CHANGE IN THE VEGETATIVE CHARACTER OR HEALTH OF ANY WETLANDS.
- 30. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL (SILT FENCE) REMOVAL AFTER STABILIZATION.



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**CONNERTON CORNER
 CONSTRUCTION STORMWATER
 MANAGEMENT PLAN**

FIRST CAPITAL GROUP

PREPARED FOR:

NO.	DATE	DESCRIPTION
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PROJECT NO: FCG CT 1006
 FILE: CSWMP
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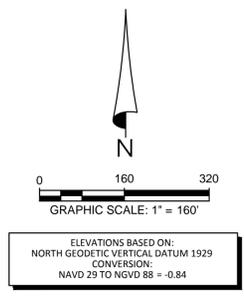
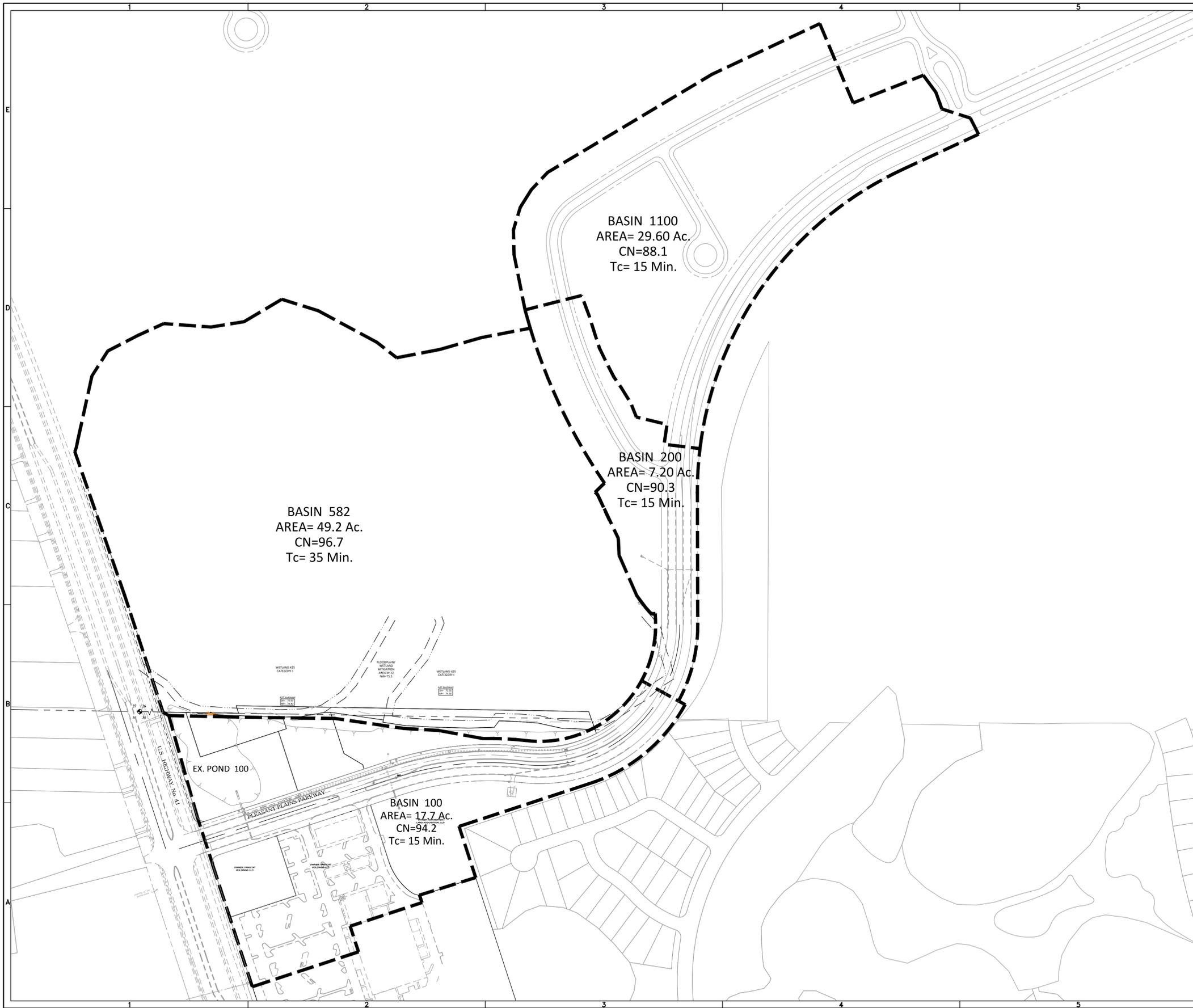
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C-900

ELEVATIONS BASED ON:
 NORTH GEODETIC VERTICAL DATUM 1929
 CONVERSION:
 NAVD 29 TO NGVD 88 = -0.84

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CONNERTON CORNER
 PRE-DEVELOPMENT DRAINAGE
 BASIN MAP

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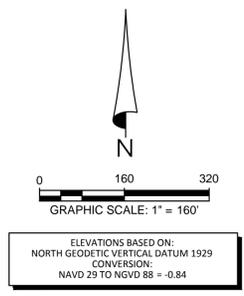
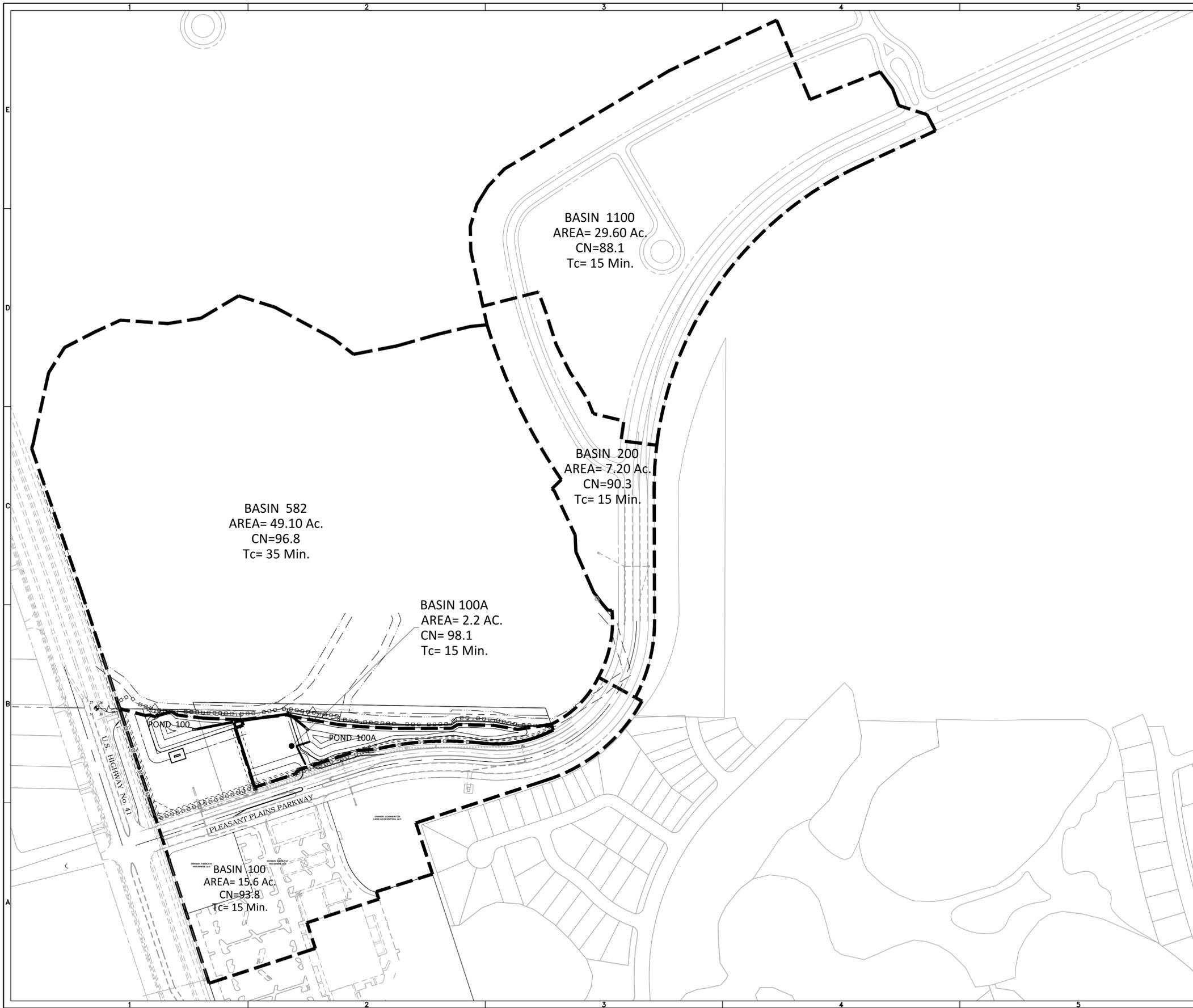
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**CONNERTON CORNER
 POST-DEVELOPMENT DRAINAGE
 BASIN MAP**

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