

MARION COUNTY

CONSTRUCTION PLANS

INDEX OF CONSTRUCTION PLANS

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	Existing			Proposed		
	Area (SF)	Area (AC)	%	Area (SF)	Area (AC)	%
Previous	336,596	7.73	87%	319,947	7.34	82%
Imprevious	52,384	1.20	13%	52,384	1.20	13%
Pond	0	0.00	0%	16,649	0.38	4%

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2024-2025 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs)

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

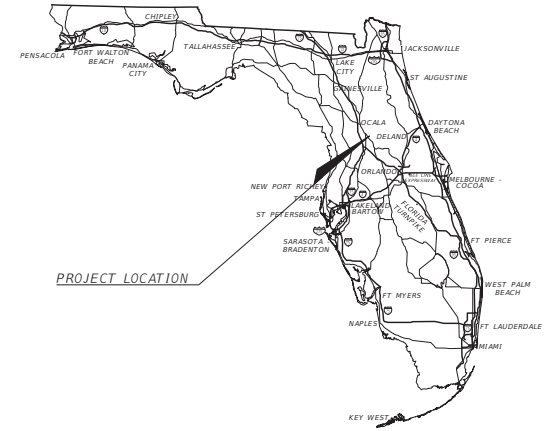
Applicable IRs: IR536-001-01, IR521-001-01

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY2024-2025 Standard Specifications for Road and Bridge Construction at the Following website:

<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>



100% PLANS
06/27/2025

I HEREBY CERTIFY THAT I, MY SUCCESSORS, AND ASSIGNS SHALL PERPETUALLY MAINTAIN THE IMPROVEMENTS AS SHOWN IN THIS PLAN.

NO CHANGE TO THE WORK AS SHOWN ON THE APPROVED PLANS SHALL BE MADE WITHOUT NOTIFICATION TO AND APPROVAL BY THE OFFICE OF THE COUNTY ENGINEER.

CONSTRUCTION PLANS
ENGINEER OF RECORD:

MATTHEW CANTRELL, P.E.
P.E. NO.: 97282
COMPANY NAME: NV5
ADDRESS: 11801 RESEARCH DRIVE
ALACHUA, FL 32615
CERTIFICATE OF AUTHORIZATION NO.: 05075

COUNTY PROJECT MANAGER:
KEVIN VICKERS, P.E.

COUNTY PROJECT ENGINEER
STEVEN COHOON, P.E.

SHEET
NO.

1

SUMMARY OF PAY ITEMS			
ITEM NO.	LUMP SUM ITEM	UNIT	QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
107-1	LITTER REMOVAL	AC	0.82
107-2	MOWING	AC	0.82
110-1-1	CLEARING AND GRUBBING	AC	0.82
120-1	REGULAR EXCAVATION	CY	2991
120-6	EMBANKMENT	CY	274
285-704	OPTIONAL BASE GROUP 4	SY	24
425-1541	INLETS, DT BOT, TYPE D, <10'	EA	1
430-174-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" SD	LF	38
430-984-125	MITERED END SECTION, OPTIONAL ROUND, 18" SD	EA	1
560-10-220	FENCING, TYPE B, 5.1'-6.0', STANDARD	LF	584
560-60-222	FENCE GATE, TYPE B, DOUBLE, 6.1' - 12.0' OPENING	EA	1

REVISIONS				STANTON WEIRSDALE			<i>SUMMARY OF PAY ITEMS</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					MARION	----		2

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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61015-23.004, F.A.C.

GENERAL NOTES:

1. ALL ROADWAY AND DRAINAGE LAYOUT CONSTRUCTION AND MATERIALS SHALL BE PER PLAN SPEC STANDARDS AND SPECIFICATIONS. MATERIALS SHALL MEET SPECIFICATIONS AND SHALL BE PRODUCED OR OBTAINED FROM AN APPROVED SOURCE. MATERIALS NOT COVERED UNDER THE STANDARD FDOT SPECIFICATIONS SHALL MEET THE REQUIREMENTS WITHIN THESE PLANS AND THE RESPECTIVE MANUFACTURER.
2. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY COUNTY OF GREEN COVE SPRINGS PUBLIC WORKS DEPARTMENT WITHOUT DELAY. ANY SURVEY MONUMENTS REMOVED BY THE CONTRACTOR WITHOUT REFERENCE BEING ESTABLISHED, WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
3. ANY EXISTING BENCHMARKS ARE TO BE REESTABLISHED BY THE CONTRACTOR'S SURVEYOR, IF DISTURBED. PROJECT CONTROL SHALL BE REINSTALLED AT COMPLETION OF PROJECT.
4. THE CONTRACTOR SHALL UNDERCUT ALL UNSUITABLE MATERIAL ENCOUNTERED AND SHALL BACKFILL WITH CLEAN, SUITABLE FILL MEETING FDOT ROAD AND BRIDGE CONSTRUCTION STANDARDS AND SPECIFICATIONS AS DETERMINED NECESSARY AND DIRECTED BY THE ENGINEER. SEE FDOT STANDARD PLANS 120-001 AND 120-002.
5. ALL BORROW MATERIAL (OR EMBANKMENT) SHALL MEET THE REQUIREMENTS OF STANDARD PLANS AND SHALL BE FURNISHED BY THE CONTRACTOR FROM AREAS PROVIDED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
6. THE CONTRACTOR SHALL STOCKPILE TOPSOIL AND CONSTRUCTION MATERIALS IN SAFE AREAS ACCEPTABLE TO THE COUNTY ENGINEERING DIVISION. NO MATERIAL IS TO BE WIND-ROWED ON THE PAVEMENT OR SHOULDERS OR WITHIN ANY ENVIRONMENTALLY SENSITIVE AREAS.
7. ONE TRAVEL LANE AND RESIDENTIAL ACCESS MUST REMAIN OPEN AT ALL TIMES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO LAWFULLY REMOVE, TRANSPORT AND DISPOSE OF ALL MATERIALS NOT SALVAGED TO OWNER. EXCESS FILL MATERIAL SHALL BE UTILIZED TO THE FULLEST EXTENT POSSIBLE. REMAINING FILL SHALL, AT COUNTY OPTION, BE SALVAGED TO THE COUNTY AT AN APPROVED LOCATION FOR STOCKPILING. ALL DISTURBED AREAS SHALL BE STABILIZED BY SOD.
9. ALL WATER, EQUIPMENT, MATERIALS, SUPPLIES, PRIME MATERIAL, COVER MATERIAL, ETC. INCLUDING NECESSARY MEANS, METHODS, SURVEYING AND MOT SHALL BE INCLUDED IN BID PRICE(S). OMISSIONS BY CONTRACTOR WILL NOT SERVE AS JUSTIFICATION FOR APPROVAL OF ADDITIONAL COMPENSATION.
10. CONTRACTOR IS TO PROVIDE ALL REQUIRED SUBMITTALS AS PER BID DOCUMENTS FOR REVIEW AND APPROVAL BY COUNTY BEFORE ANY WORK IS TO COMMENCE ON THE RELEVANT PHASE OF THE PROJECT.
11. ALL ITEMS AS SHOWN ON THE PLANS MAY BE INCREASED, DECREASED OR OMITTED AS DIRECTED BY THE ENGINEER OR THE AUTHORIZED REPRESENTATIVE.
12. ALL WELLS, CLEANOUTS, MANHOLE TOPS, PULL BOX COVERS AND OTHER UTILITY APPURTENANCES WITHIN THE PROJECT LIMITS SHALL BE PROTECTED AND ADJUSTED WHERE NECESSARY TO MATCH PROPOSED FINISH GRADES.
13. CONTRACTOR SHALL EXERCISE EXTREME CARE DURING THIS PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ADJACENT PROPERTIES, AND EXISTING STRUCTURES OR FACILITIES ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED.
14. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER ANY NECESSARY UTILITY FIELD LOCATION OR RELOCATION, AS REQUIRED. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. ACTUAL LOCATIONS SHALL BE FIELD VERIFIED BY CONTRACTOR.
15. CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE ONE CALL OF FLORIDA, INC. (1-800-432-4770) AND UTILITY OWNERS LISTED HEREIN, 48 HOURS IN ADVANCE OF BEGINNING CONSTRUCTION AT THE JOB SITE.

MAINTENANCE OF TRAFFIC BY CONTRACTOR:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE PASSAGE OF TRAFFIC AND PROTECTION OF HIS WORK FORCE THROUGHOUT THE PROJECT.
2. WORK ZONE TRAFFIC CONTROL SHALL ADHERE STRICTLY TO THE REQUIREMENTS OF THE FDOT STANDARD PLANS 102-600 SERIES, PART 6 OF THE MUTCD AND ANY SPECIFIC INSTRUCTIONS OF THE COUNTY. NONCOMPLIANCE WITH THESE STANDARDS WILL SERVE AS JUST CAUSE FOR STOPPING WORK AT NO EXPENSE TO OWNER.
3. ONE TRAFFIC LANE MAY BE CLOSED DURING WORKING HOURS ONLY. CONTRACTOR IS TO CHECK AND MAINTAIN ON A DAILY BASIS ALL SIGNS, FLASHING LIGHTS, STRIPING AND OTHER ITEMS AS REQUIRED BY THE MAINTENANCE OF TRAFFIC PLAN.
4. THE CONTRACTOR'S PROPOSED SEQUENCE OF OPERATIONS AND SPECIFIC MAINTENANCE OF TRAFFIC PLANS SHALL BE REVIEWED BY THE CITY PRIOR TO THEIR IMPLEMENTATION.
5. ALL ABOVE GROUND OBSTRUCTIONS WITHIN THE CLEAR ZONE OF TEMPORARY OR PERMANENT LANES SHALL BE MARKED AND PROTECTED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS OR SPECIFIC INSTRUCTIONS OF COUNTY.
6. TEMPORARY LANES SHALL BE STABILIZED AND SUITABLE FOR PASSENGER VEHICLES DURING ALL WEATHER CONDITIONS.

EROSION AND SEDIMENTATION CONTROL:

1. THE CONTRACTOR IS RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL PRACTICES DURING CONSTRUCTION TO MINIMIZE ON-SITE EROSION/SEDIMENTATION AND TO PROTECT AGAINST DAMAGE TO OFF-SITE PROPERTY. THE FOLLOWING PRACTICES SHALL BE EMPLOYED:
2. EROSION AND SEDIMENTATION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. AREAS OF OFF-SITE DISCHARGE DURING CONSTRUCTION SHALL BE PROTECTED WITH A SEDIMENT BARRIER PER FOOT INDEX NO. 570-001 TO PREVENT OFF-SITE DISCHARGE OF SEDIMENTS.
3. TEMPORARY SEED AND MULCH SHOULD BE USED TO CONTROL ON-SITE EROSION WHEN IT IS NOT PRACTICAL TO ESTABLISH PERMANENT VEGETATION. PERMANENT VEGETATION SHALL BE PLACED AS EARLY AS POSSIBLE ON ALL SLOPES STEEPER THAN 5 (FT) HORIZONTAL TO 1 (FT) VERTICAL (IF APPLICABLE). SOD SHALL BE PINNED AS REQUIRED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. THE CONTRACTOR SHALL INSPECT AND REPAIR AS NECESSARY THE EROSION/SEDIMENTATION PROTECTION AT THE END OF EACH WORKING DAY.

NOTE: EROSION/SEDIMENTATION CONTROL SHALL BE PLACED PRIOR TO ANY SITE EXCAVATION AND/OR FILLING AND SHALL REMAIN IN PLACE UNTIL SITE EXCAVATION IS COMPLETE AND VEGETATION ESTABLISHED.

4. ALL SLOPES STEEPER THAN 3H:1V REQUIRE LAPPED OR PEGGED SOD.
5. ALL INLET STRUCTURES AND PIPES SHALL BE PROTECTED FROM SILTATION BY CONSTRUCTING INLET PROTECTION AS DEFINED BY THESE PLANS OR THE FDOT STANDARDS.
6. PERMANENT VEGETATIVE STABILIZATION SHALL BE APPLIED ON FINE GRADED SITES AS SOON AS PRACTICAL. TEMPORARY SEEDING SHOULD BE EMPLOYED TO PREVENT EXPOSURE OF BARREN SOILS UNTIL PERMANENT VEGETATION CAN BE APPLIED.
7. ALL SYNTHETIC BALES, SILT FENCE AND OTHER EROSION CONTROL MEASURES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT ONCE VEGETATION IS FULLY ESTABLISHED. CONTRACTOR SHALL REPLACE ANY PERFORMANCE TURF THAT DOES NOT ESTABLISH.

GOVERNING SPECIFICATIONS:

1. GRASSING - SEEDING AND SODDING: SECTION 570 OF FDOT SPECIFICATIONS
2. MAINTENANCE OF TRAFFIC: MUTCD AND FDOT STANDARD PLANS 102-600
3. DRAINAGE EXCAVATION AND FILL: FDOT STANDARD PLANS 524-001. SECTION 524 OF FDOT SPECIFICATIONS
4. CULVERTS: FDOT STANDARD PLANS 430-022. SECTION 430 OF FDOT SPECIFICATIONS
5. DRAINAGE STRUCTURES: FDOT STANDARD PLANS 425-062 AND 430-022. SECTION 425 AND 430 OF FDOT SPECIFICATIONS

TESTING REQUIREMENTS:

1. ALL TESTING SHALL BE PERFORMED BY A LICENSED/CERTIFIED LABORATORY. UPON SELECTION, THE LABORATORY SHALL BE APPROVED IN WRITING BY THE COUNTY PRIOR TO BEGINNING ANY ON-SITE TESTING OR MATERIAL COLLECTION.
2. COPIES OF ALL TEST RESULTS SHALL BE PROVIDED TO THE COUNTY PUBLIC WORKS. PASSING RESULTS WILL BE REQUIRED PRIOR TO BEGINNING THE NEXT PHASE OF CONSTRUCTION.
3. THE COUNTY SHALL BE NOTIFIED NO LESS THAN 24 HOURS IN ADVANCE FOR SCHEDULING INSPECTION OF PERTINENT STAGES OF CONSTRUCTION.
4. PERFORM COMPACTION TESTING FOR CULVERTS AS DESCRIBED IN SECTION 125, FDOT SPECIFICATIONS, LATEST EDITION. A MINIMUM OF ONE TEST ON EACH SIDE OF THE CULVERT PER LIFT IS REQUIRED FOR THE BEDDING AND COVER ZONE. A MINIMUM OF ONE TEST PER LIFT IS REQUIRED IN THE TOP ZONE. PERFORM ADDITIONAL TESTING AS DIRECTED BY THE AUTHORIZED REPRESENTATIVE.
5. PERFORM MODIFIED PROCTOR AND LBR TESTING FOR STABILIZED SUBGRADE AT A FREQUENCY OF ONE TEST PER LIFT PER 1,000 FT OF ROADWAY, OR AT A MINIMUM OF TWO TESTS PER ROADWAY SEGMENT, WHICHEVER IS GREATER. LIMEROCK BEARING RATIO VALUE SHALL EQUAL OR EXCEED 40, NO UNDER TOLERANCE PERMITTED.

MISCELLANEOUS NOTES:

1. PERFORMANCE TURF, SOD TYPE SHALL BE BAHIA FOR THE ENTIRE PROJECT UNLESS THE AFFECTED HOMEOWNER HAS ANOTHER TYPE.
2. BURNING OF MATERIALS AND/OR DEBRIS AS A MEANS OF DISPOSAL IS PROHIBITED WITHIN THE LIMITS OF THE PROJECT.

R E V I S I O N S				MATTHEW CANTRELL, P.E. P.E. LICENSE NUMBER 97282 NV5 11801 RESEARCH DRIVE ALACHUA, FL 32615 CERTIFICATE OF AUTHORIZATION 05075	STANTON WEIRSDALE			<i>GENERAL NOTES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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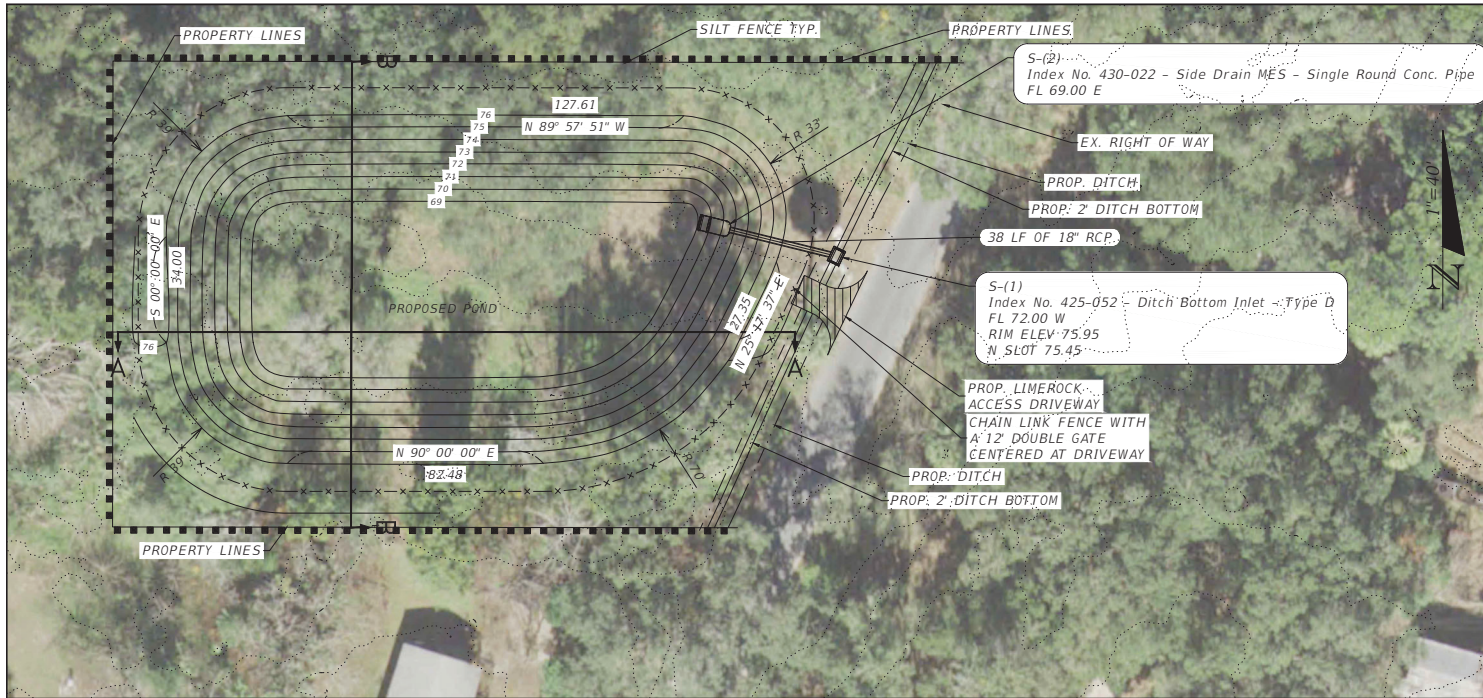
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REVISIONS				STANTON WEIRSDALE			DRAINAGE MAP	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					MARION			4

MATTHEW CANTRELL, P.E.
P.E. LICENSE NUMBER 97282
NV5
11801 RESEARCH DRIVE
ALACHUA, FL 32615
CERTIFICATE OF AUTHORIZATION Q5075

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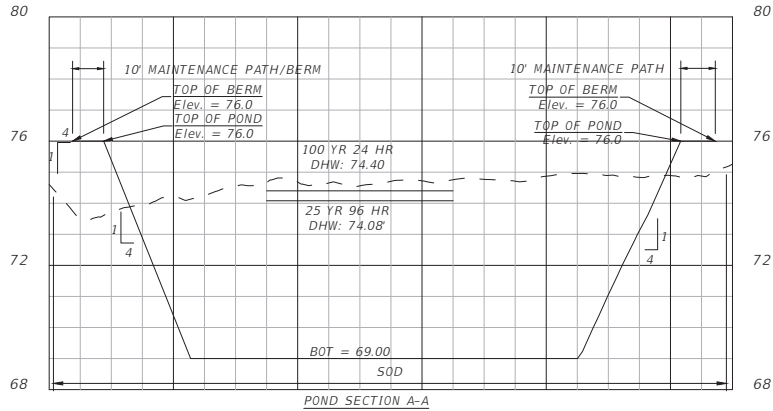
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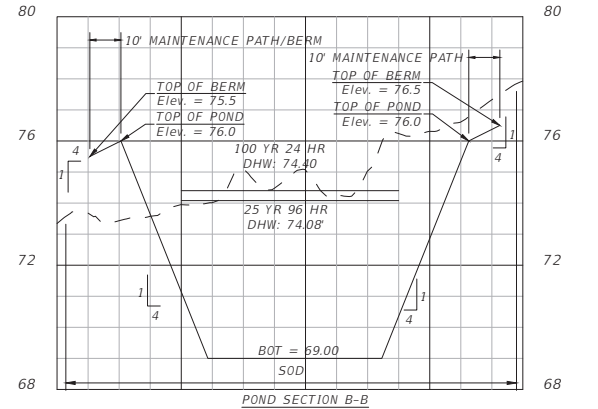
STORMWATER MANAGEMENT FACILITY NOTES:
 1. IF A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED IN THE BASIN AREA CONTACT THE ENGINEER OF RECORD. THE LIMEROCK SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 3 FEET BEYOND THE BASIN UNDERCUT LIMITS. PROVIDE A SILTY SAND MIX WITH 15 TO 20 PERCENT SOIL FINES PASSING THE NO. 200 SIEVE AND HYDRAULIC CONDUCTIVITY VALUES ON THE ORDER OF 3 TO 5 FEET PER DAY. LABORATORY TESTING SHALL BE PERFORMED ON THE MIX TO DETERMINE FINAL PRODUCT. NO ADDITIONAL COMPENSATION SHALL BE CONSIDERED.

2. IF A SOLUTION PIPE SINKHOLE DOES FORM IN THE STORMWATER BASIN, THEN THE SINKHOLE SHALL BE REPAIRED BY BACKFILLING WITH MATERIAL OF LOWER-PERMEABILITY MATERIAL, SUCH AS CLAYEY SAND (A2-6). THE MATERIAL SHALL BE COMPACTED AND THE SINKHOLE REPAIR SHOULD BRING THE SURFACE BACK TO AN ELEVATION WHICH IS SLIGHTLY ABOVE THE ORIGINAL BOTTOM, CREATING A SMALL MOUND.

3. EARTHEN BERM SHALL BE CONSTRUCTED WITH SOILS WITH A MINIMUM OF 15% SOIL FINES PASSING NO. 200 SIEVE. COMPACT BERM TO 95% MAXIMUM DENSITY PER AASHTO METHOD T-99 WITH MAXIMUM 12" LIFTS. FDOT A-3 SAND (OR ANY OTHER HIGHLY PERMEABLE MATERIAL) SHALL NOT BE USED.



HORIZONTAL 1"=40'
 VERTICAL 1"=10'



HORIZONTAL 1"=40'
 VERTICAL 1"=10'

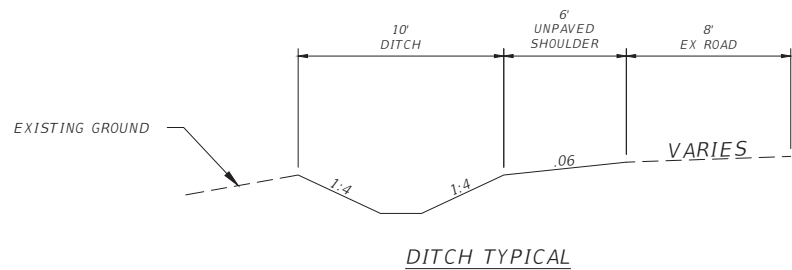
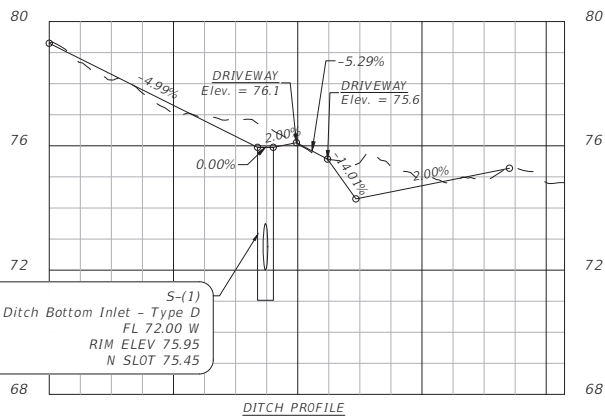
REVISIONS				MATTHEW CANTRELL, P.E. P.E. LICENSE NUMBER 97282 NV5 11801 RESEARCH DRIVE ALACHUA, FL 32615 CERTIFICATE OF AUTHORIZATION Q05075	STANTON WEIRSDALE			POND PLAN SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		6
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THE FOLLOWING NARRATIVE OF THE STORM WATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE FDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS.

THE COMPLETE STORM WATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS:
* THIS NARRATIVE DESCRIPTION,
* THE DOCUMENTS REFERENCED BY THIS NARRATIVE,
* THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN AS REQUIRED BY FDOT SPECIFICATION SECTION 104
* REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION

A.) NATURE OF CONSTRUCTION ACTIVITY:
THE WORK ON THIS PROJECT PRIMARILY CONSISTS OF STORMWATER MANAGEMENT FACILITY AND DITCH CONSTRUCTION

B.) MAJOR SOIL DISTURBING AREAS:
IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION ACTIVITIES. THE FOLLOWING IS A LIST OF SOIL DISTURBANCE ACTIVITIES FOR THIS CONSTRUCTION PROJECT.
1. EARTH WORK ASSOCIATED WITH STORMWATER FACILITY AND DITCHES.

C.) AREA ESTIMATES:
TOTAL SITE AREA: .82 AC
TOTAL AREA TO BE DISTURBED: .82 AC

D.) SITE MAP
THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW:

*DRAINAGE PATTERNS: THE DRAINAGE MAP SHOWS GENERAL DRAINAGE PATTERNS.

*APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE TYPICAL SECTION AND THE CROSS SECTION SHEETS.

*AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE LIMITED TO PROPERTY LINES.

*LOCATION OF TEMPORARY CONTROLS: THESE ARE SHOWN IN THE PLANS AND ARE REQUIRED AT ALL LOW-LYING AREAS.

*RECEIVING WATERS: SOME OF THE RUNOFF FROM THE PROJECT AREA DRAINS INTO LOW-LYING AREAS ADJACENT TO THE PROJECT, WHICH WILL INFILTRATE INTO THE GROUNDWATER TABLE BY PERCOLATION AND SOME RUNOFF WILL BE CARRIED BY THE ROADSIDE DITCHES.

2.0 CONTROLS

A.) EROSION AND SEDIMENT CONTROLS
EROSION AND SEDIMENT CONTROLS SHALL CONSIST OF TEMPORARY GRASSING, PERMANENT SEEDING AND SODDING, TEMPORARY MULCHING, SILT FENCES, FLOATING TURBIDITY BARRIERS, AND SYNTHETIC BALES. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS 104, 120, 570, AND DESIGN STANDARDS 100-199.

ALL STRUCTURAL PRACTICES SHALL BE CONSTRUCTED PRIOR TO CONSTRUCTION ACTIVITIES THAT EITHER DIRECTLY OR INDIRECTLY DISTURB STABILIZED AREAS. STABILIZATION PRACTICES SHALL BE PERFORMED AS SOON AS PRACTICAL AT LOCATIONS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN ANY CASE THEY SHALL BE INITIATED WITHIN SEVEN (7) DAYS. THE CONTRACTOR SHALL BACKFILL AND TEMPORARILY STABILIZE WITH SOD WITHIN 48 HOURS OF COMPLETION OF THE CURING PERIOD FOR BOX CULVERTS OR BOX CULVERT EXTENSIONS, AND FOR ALL DRAINAGE STRUCTURE MODIFICATIONS.

1.) IN SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES 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. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TEMPORARY:
* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.
* SEED AND MULCH, AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.
PERMANENT:
* ASPHALT OR CONCRETE SURFACE.
* SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.) STRUCTURAL PRACTICES:
IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

* SILT FENCE AND TURBIDITY BARRIER IN ACCORDANCE WITH THE FDOT FLORIDA EROSION AND SEDIMENT CONTROL MANUAL AND SPECIFICATION SECTION 104, AND AS SHOWN ON SHEET 5. NO MATERIAL SHALL BE STOCKPILED IN EROSION PRONE AREAS.

STANDARDS:
NO MATERIAL SHALL BE STOCKPILED IN EROSION PRONE AREAS.

B.) STORM WATER MANAGEMENT
RUNOFF SHALL BE CONVEYED IN ACCORDANCE WITH FDOT FLORIDA EROSION AND SEDIMENT CONTROL MANUAL, AND SPECIFICATION SECTION 104. TYPE III SILT FENCE SHALL BE USED AT CROSS DRAINS.

C.) OTHER CONTROLS:
WASTE DISPOSAL:
ALL WASTE GENERATED ON THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN AREA PROVIDED BY THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO DISPOSE OF ALL SOLID WASTE FROM THE PROJECT IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL LAWS, BY-LAWS, ORDINANCES, AND REGULATIONS.

OFF-SITE VEHICLE TRACKING & DUST CONTROL:
IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

* COVERING LOADED HAUL TRUCKS WITH TARPAULINS.
* REMOVING EXCESS DIRT FROM ROADS DAILY.

* STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO THE FDEP EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL.

SANITARY WASTE:
PORTABLE TOILETS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR.

FERTILIZERS AND PESTICIDES:
IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.

TOXIC SUBSTANCES:
IN THE SECTION 104 EROSION AND SEDIMENT CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE AND DISPOSAL OF THESE SUBSTANCES.

THE CONTRACTOR IS REQUIRED TO COMPLY WITH THE SPECIFICATIONS.

D.) APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS:
THIS PROJECT SHALL COMPLY WITH STATE WATER QUALITY STANDARDS. PERMITS REQUIRED FOR THIS PROJECT IS AN FDEP NPDES PERMIT. THE CONTRACTOR IS REQUIRED TO COMPLETE, SIGN AND SEND THE FL DEP NPDES "NOTICE OF INTENT", AND "NOTICE OF TERMINATION" AS OPERATOR. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING DEBRIS FROM ENTERING THE WETLAND. ANY DEBRIS IN THE WETLAND SHALL BE REMOVED IMMEDIATELY.

3.0 MAINTENANCE

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

* SILT FENCE:
MAINTAIN PER SECTION 104. THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER.

TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

- * POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.
- * DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
- * AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
- * STRUCTURAL CONTROLS.
- * STORMWATER MANAGEMENT SYSTEMS.
- * LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORM WATER DISCHARGES

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS. THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORM WATER DISCHARGES. THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORM WATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT CHW AT (352) 331-1976.

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Matthew Cantrell

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