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C500	SIGNING & PAVEMENT MARKINGS
C600	EROSION & SEDIMENT CONTROL

BID DOCUMENTS NOT FOR CONSTRUCTION

PROJECT LOCATION

# CIVIL CONSTRUCTION PLANS FOR SE STAFF WAY RECONSTRUCTION

## VICINITY MAP COLUMBIA COUNTY, FL SECTION 01, TOWNSHIP 4S, RANGE 17E



PLANS PREPARED FOR: FLORIDA GATEWAY COLLEGE 149 SE COLLEGE PLACE LAKE CITY, FL, 32025 (386) 754-4325 RANDAL.THOMAS@FGC.EDU



GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO COMMENCING WORK.

2. NO FIELD CHANGES OR DEVIATIONS FROM THE PLANS ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.

3. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH BY THE ISSUED SUWANNEE RIVER WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE PERMIT AND FDOE STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES, AS APPLICABLE.

4. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.

5. THE SITE IS LOCATED IN SECTION 01, TOWNSHIP 04 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.

6. THE TOPOGRAPHIC SURVEY WAS COMPLETED BY AFFINE ENGINEERING AND SURVEYING, INC.; CERTIFICATE OF AUTHORIZATION: LB7828.

7. THE BENCHMARKS NOTED IN THE PLANS WERE DETERMINED FROM THE USGS QUADRANGLE MAP. (This note shall be used only when using assumed elevations.)

8. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD INFORM THE ENGINEER AND NOTIFY:

GEODETIC INFORMATION CENTER 6001 EXECUTIVE BOULEVARD ROCKVILLE, MARYLAND 20652 TELEPHONE 301.443.8319

9. ALL WETLAND BUFFERS SHALL BE PERMANENTLY MONUMENTED ACCORDING TO THE REQUIREMENTS AS ESTABLISHED IN CHAPTER 61G17-6, F.A.C. PRIOR TO COMMENCEMENT OF ROAD CONSTRUCTION OR THE SALE OF ANY LOT, WHICHEVER COMES FIRST.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GAINING COMPLETE FAMILIARITY WITH THE PROJECT SITE INCLUDING ACCESS LIMITATIONS, SUBSURFACE SOIL CONDITIONS, AND GROUNDWATER TABLE.

11. THE CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL REQUIRED UTILITY CONNECTIONS PRIOR TO BIDDING. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO COMPLETE CONNECTION TO THE EXISTING UTILITIES. THIS INCLUDES BUT IS NOT LIMITED TO MANHOLE CORING, WET TAPS, PAVEMENT REPAIRS AND DIRECTIONAL BORING.

12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CALL IN AN 811 DIG TICKET AT LEAST THREE (3) NORMAL WORKING DAYS PRIOR TO BEGINNING TRENCHING OR EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES IN THE AREA TO AIDE IN LOCATING POTENTIAL UNDERGROUND SERVICES.

13. THE LOCATION AND SIZE OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY AND BASED ON THE BEST AVAILABLE INFORMATION TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE ENGINEER OR OWNER. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO DIGGING THROUGH ELECTRONIC METHODS AND HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES. FURTHERMORE. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. ANY CONFLICTS OF EXISTING UTILITIES AND PROPOSED IMPROVEMENTS SHALL BE RESOLVED WITH THE OWNER/ENGINEER AND/OR UTILITY SERVICE PROVIDER PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.

14. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ANY UNDERGROUND CONDUIT AND/OR PIPING REQUIRED FOR UTILITIES PRIOR TO BEGINNING SUBGRADE WORK. THE CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING UTILITIES WITH THE APPLICABLE UTILITY COMPANIES.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES IN PROJECT AREA AT ALL TIMES DURING CONSTRUCTION TO INCLUDE PROVIDING DIRECT SUPPORT AND/OR SHORING EXCAVATED AREAS AS NECESSARY. THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY COMPANIES PRIOR TO ATTEMPTING ANY FACILITY SUPPORT. IF A UTILITY COMPANY REQUIRES THAT ONLY THEIR CREWS MAY SUPPORT THEIR FACILITIES, THEN THE CONTRACTOR SHALL PROVIDE FOR THE REQUIRED COORDINATION AND PAYMENT. COST FOR THIS WORK SHALL BE INCLUDED IN THE BID UNIT PRICES FOR THIS PROJECT.

16. ALL EXISTING WATER VALVES, FIRE HYDRANTS, WATER METERS/SERVICES, AND APPURTENANCES AFFECTED BY CONSTRUCTION SHALL BE ADJUSTED AS NECESSARY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

17. THE "TRENCH SAFETY ACT" SHALL BE INCORPORATED IN THIS CONTRACT AS ENACTED BY THE LEGISLATURE OF THE STATE OF FLORIDA TO BE IN EFFECT AS OF OCTOBER 1, 1990.

18. THE CONTRACTOR SHALL RESTORE ALL DRAINAGE SWALES/DITCHES AND REPAIR OR REPLACE ALL DRAINAGE STRUCTURES AFFECTED BY

CONSTRUCTION ACTIVITIES. RESTORED DRAINAGE SWALES/DITCHES SHALL MEET ALL ORIGINAL CONDITIONS (INCLUDING LOCATION, GRADE, SOD TYPE, ETC). REPAIRED OR REPLACED DRAINAGE STRUCTURES SHALL MEET ALL ORIGINAL CONDITIONS (INCLUDING LOCATION, ELEVATION, SIZE, MATERIAL, ETC). PRE AND POST CONSTRUCTION AS-BUILT INFORMATION SHALL BE PROVIDED FOR ALL DISTURBED DRAINAGE FACILITIES. THE COST FOR DRAINAGE FACILITY RESTORATION/REPAIR/REPLACEMENT WORK SHALL BE INCLUDED IN THE BID UNIT PRICES FOR THIS PROJECT.

19. CONTRACTOR SHALL PROVIDE ACTUAL INVERT ELEVATIONS ON ALL DRAINAGE STRUCTURES, INCLUDING CULVERTS, PRIOR TO PLACING ANY BASE MATERIAL. DEVIATIONS FROM THE PLANS SHALL BE APPROVED BY THE ENGINEER BEFORE CONTINUING WORK.

20. THE CONTRACTOR SHALL RESTORE/REPLACE ALL EXISTING PAVEMENT, DRIVEWAYS, SIDEWALKS, MAILBOXES, SOD, LANDSCAPING, CONDUIT, CABLE, IRRIGATION SYSTEMS, ETC AFFECTED BY CONSTRUCTION ACTIVITIES. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE PROVIDED.

21. CONCRETE AND ASPHALT DRIVEWAYS SHALL BE RESTORED/REPLACED FROM SAW CUT TO EDGE OF ROADWAY PAVEMENT. COST FOR THIS WORK SHALL BE INCLUDED IN THE BID UNIT PRICES FOR THIS PROJECT.

22. SOD SHALL BE REPLACED FOR THE FULL WIDTH DISTURBED AND TYPE SHALL MATCH THE EXISTING SPECIES UNLESS OTHERWISE SPECIFIED IN THE PLANS. COST FOR THIS WORK SHALL BE INCLUDED IN THE BID UNIT PRICES FOR THIS PROJECT.

23. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK GROWING SHORT-TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THOUGH AUGUST, THE MIX SHALL CONSIST OF 70 PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET. 24. THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE ENGINEER AND/OR OWNER.

25. ALL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FDOE STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES. 26. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS

WITHIN PROJECT AREA.

27. CONTRACTOR SHALL PERFORM SURVEY AND PERFORM TESTING UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.

28. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THE F.D.O.T. DESIGN STANDARDS (CURRENT EDITION), AWWA SPECIFICATIONS, AND THE FDOE STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES DEVELOPMENT STANDARDS UNLESS OTHERWISE NOTED.

29. THE CONTRACTOR SHALL BE RESPONSIBLE TO SCHEDULE PRE-CONSTRUCTION MEETINGS AND BECOME FAMILIAR WITH ALL APPLICABLE AGENCY PROCEDURES PRIOR TO COMMENCING WORK. THE OWNER, ARCHITECT, AND ENGINEER MUST BE INVITED AT LEAST FIVE (5) DAYS PRIOR TO ATTEND SUCH SCHEDULED MEETINGS.

30. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING GRADING, CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL TO A DEPTH OF 24" BELOW FINISHED GRADE WITHIN THE CONSTRUCTION LIMITS.

31. THE CONTRACTOR SHALL NOTIFY THE OWNER AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.

32. CONTRACTOR SHALL SUBMIT A NOTICE OF CONSTRUCTION COMMENCEMENT TO THE WATER MANAGEMENT DISTRICT AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION IF PERMIT IS REQUIRED.

33. NO WORK SHALL BE PERFORMED ON SATURDAY OR SUNDAY WITHOUT WRITTEN NOTIFICATION TO THE OWNER.

34. CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY MEETING THE REQUIREMENTS OF CHAPTER 61G17 F.A.C. FOR THE STORMWATER MANAGEMENT SYSTEMS. INCLUDE HORIZONTAL AND VERTICAL DIMENSIONAL DATA SO THAT IMPROVEMENTS ARE LOCATED AND DELINEATED RELATIVE TO THE BOUNDARY. PROVIDE SUFFICIENT DETAILED DATA TO DETERMINE WHETHER THE IMPROVEMENTS WERE CONSTRUCTED IN ACCORDANCE WITH THE PLANS. SUBMIT THE SURVEY TO THE ENGINEER ON REPRODUCIBLE 20LB. VELLUM. A COPY OF THE AS-BUILT PLANS (IN PAPER AND DIGITAL AUTOCAD FORMAT) MUST BE SUBMITTED TO THE ENGINEER

35. THE CONTRACTOR SHALL SUBMIT A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM NOTICE OF INTENT ALONG WITH SUPPORTING DOCUMENTATION TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMIT FEES.

36. IF DURING CONSTRUCTION OR OPERATION OF THE STORM WATER MANAGEMENT SYSTEM, A STRUCTURAL FAILURE IS OBSERVED THAT HAS THE POTENTIAL TO CAUSE THE DIRECT DISCHARGE OF SURFACE WATER INTO THE FLORIDIAN AQUIFER SYSTEM, CORRECTIVE ACTIONS DESIGNED OR APPROVED BY A REGISTERED PROFESSIONAL SHALL BE TAKEN AS SOON AS PRACTICAL TO CORRECT THE FAILURE. A REPORT PREPARED BY A REGISTERED PROFESSIONAL MUST BE PROVIDED AS SOON AS PRACTICAL TO THE DEPARTMENT FOR REVIEW AND APPROVAL THAT PROVIDES REASONABLE ASSURANCE THAT THE BREACH WILL BE PERMANENTLY CORRECTED.



SHALLOW & DEEP SINK HOLE/CAMTY REPAIR & MAINTENANCE DETAIL CONTACT GEOTECHNICAL ENGINEER FOR FURTHER EVALUATION & ADDITIONAL REMEDIATION MEASURES IF NEEDED

## SINKHOLE REPAIR DETAIL

					ENGINEERING & CONSULTING, LLC	855 SW BAYA DRIVE LAKE CITY, FL 32025	386.965.9000 LJONES@JONESENGINEERING.NET
SE STAFF WAY RECONSTRUCTION GENERAL NOTES COLUMBIA COUNTY, FL							
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	S-4	TYPE "P-5" CURB IN FDOT STANDARD P	ILET LANS 425-021	RIM = 184.200 SUMP = 180.210 24.00" (W) INV IN = 180.71 24.00" (E) INV OUT = 180.7		1	E.
	S-5	NYOPLAST YARD D	RAIN	RIM = 185.136 SUMP = 181.578 12.00" (E) INV OUT = 182.0	02	11	
	S-6	TYPE "P-5" CURB IN FDOT STANDARD P	ILET LANS 425-021	RIM = 184.880 SUMP = 180.426 12.00" (W) INV IN = 181.92 24.00" (E) INV OUT = 180.9	6 26	-	44
	S-7	TYPE "P-5" CURB IN FDOT STANDARD P	ILET LANS 425-021	RIM = 184.880 SUMP = 180.326 24.00" (W) INV IN = 180.82 24.00" (E) INV OUT = 180.8	6 26	10	15
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C301/SCALE: N.T.S.

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### 24" NYOPLAST DRAIN BASIN DETAIL

![](_page_8_Figure_4.jpeg)

ALL DIMENSIONS IN INCHES UNLESS NOTED OTHERWISE GRATE MEETS H-10 LOAD RATING QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05 PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-023 SIZE OF OPENING MEETS REQUIREMENTS OF AMERICAN DISABILITY ACT AS STATED IN FEDERAL REGISTER PART III, DEPARTMENT OF JUSTICE, 28 CFR PART 36. NONDISCRIMINATION ON THE BASIS OF DISABILITY BY PUBLIC ACCOMMODATIONS AND IN COMMERCIAL FACILITIES, FINAL BY RULE.

![](_page_8_Figure_6.jpeg)

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## 24" NYOPLAST 6"-24" DROP INSTALLATION

CROSS SECTIONS-1 ROADWAY \C400 D С ОС .ADD\J2303( 5, 2024 \2023\J230304FGC\_SE Staff Way\H.C 5, 2024 Date Plotted: February \\Projects\ February ed. g G Date Ω 1 Dri ary G:∖My : Febru Location: ( e Created:

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20	40	180	CHRISTOPHER L. JONES PE# 88477 DATE DATE PROJECT NO.: J230304FGC PLOT DATE: 2/5/2024 SHEET NO. C400 C400

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EROSION CONTROL NOTES

1. THIS EROSION AND SEDIMENTATION CONTROL PLAN COMPLIES WITH THE REQUIREMENTS OF THE "FLORIDA DEVELOPMENT MANUAL" AND THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".

2. THE CONTRACTOR SHALL ADHERE TO COLUMBIA COUNTY, SRWMD, AND OTHER GOVERNING AUTHORITIES FOR EROSION AND SEDIMENT CONTROL REGULATIONS. IF THE CONTRACTOR NEEDS TO CHANGE THIS PLAN TO MORE EFFECTIVELY CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR SHALL USE BMP'S FROM THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".

3. THE CONTRACTOR SHALL ADJUST AND REVISE THIS PLAN TO MEET ACTUAL FIELD CONDITIONS. ANY REVISIONS SHALL BE APPROVED BY THE REVIEWING AGENCIES.

4. SEDIMENT AND EROSION CONTROL FACILITIES, STORM DRAINAGE FACILITIES AND DETENTION BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

5. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL AND REPLACED AS NECESSARY.

6. SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.

7. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.

8. SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROJECT LIMITS.

9. CONTRACTOR SHALL PLACE A DOUBLE ROW OF SILT FENCE IN AREAS WHERE RUNOFF FROM DISTURBED AREAS MAY ENTER WETLANDS.

10.DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, ALL STRUCTURES SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT.

11.ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A TEMPORARY FAST-GROWING COVER AND/OR MULCH.

12.A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES AND COLLECTION PIPE OUTLETS. GRANITE OR LIMESTONE RIPRAP IS REQUIRED, NO BROKEN CONCRETE WILL BE ACCEPTED.

13.ALL SIDE SLOPES STEEPER THAN 3:1 SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF HAY BALES OR SODDING.

14.ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN AREAS OF THE JOB WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY STOPPED, BUT IN NO CASE SHALL THE DISTURBED AREA BE LEFT UNPROTECTED FOR MORE THAN SEVEN DAYS.

SI5.ALL WASTE GENERATED ON THE PROJECT SHALL BE DISPOSED OF BY

16.LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.

TO TALL BE REMOVED DAILY.

**GRAPHIC SCALE** 

18.QUALIFIED PERSONNEL SHALL INSPECT THE AREA USED FOR STORAGE OF STOCKPILES, THE SILT FENCE AND STRAW BALES, THE LOCATION WHERE VEHICLES ENTER OR EXIT THE SITE, AND THE DISTURBED AREAS STHAT HAVE NOT BEEN FINALLY STABILIZED, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.25 "INCHES OR GREATER.

919.SITES THAT HAVE BEEN FINALLY STABILIZED WITH SOD OR GRASSING SHALL BE INSPECTED AT LEAST ONCE EVERY WEEK.

> BUILDING 014 STUDENT UNION

![](_page_12_Picture_23.jpeg)