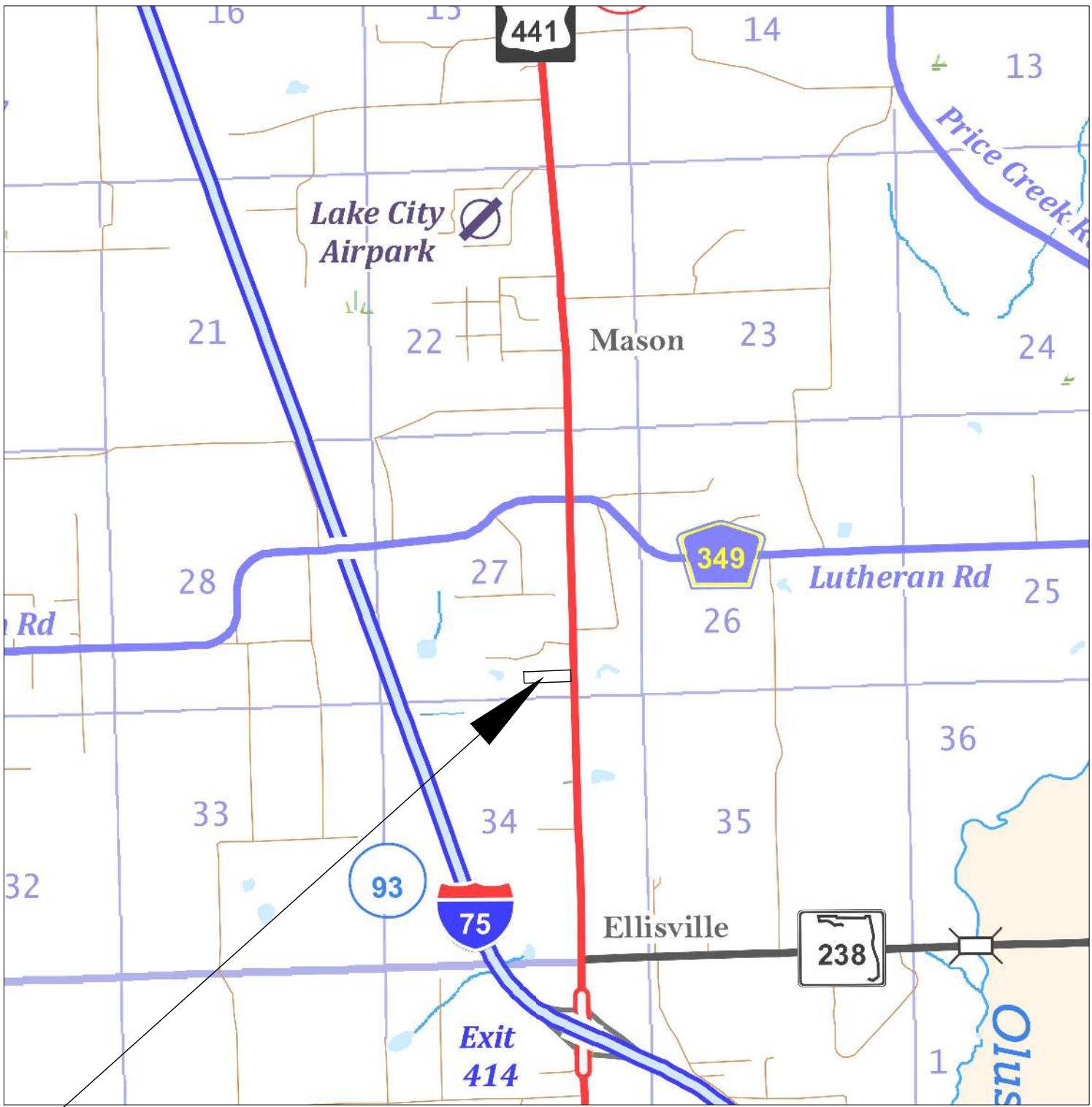
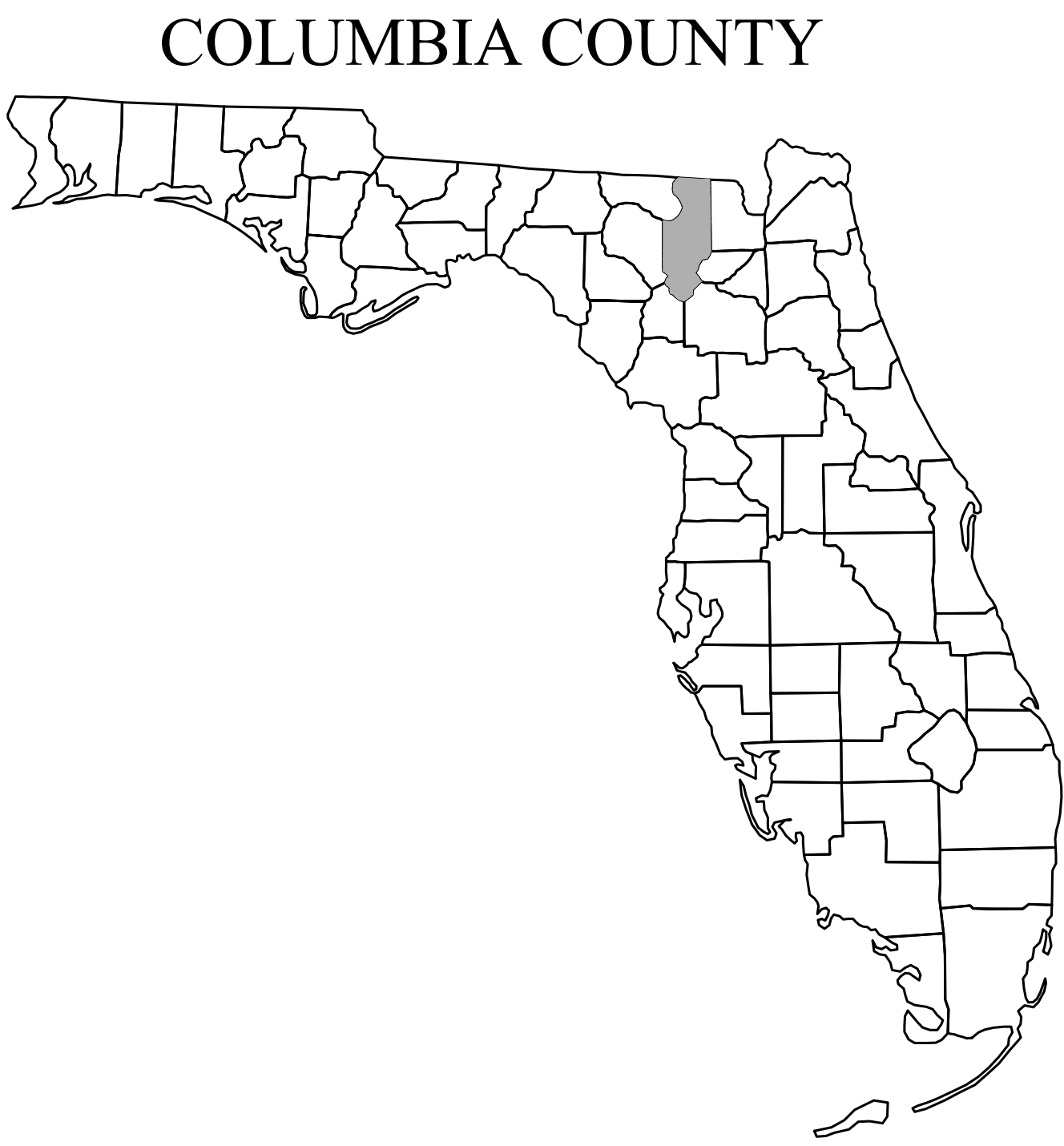


CROSS CHURCH STORAGE EXPANSION

12518 S US HWY 441
LAKE CITY, FL 32025



PROJECT LOCATION

REVISIONS

#	REVISION DESCRIPTION	DATE

SHEET INDEX

KEY SHEET	C-1
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ATTACHMENTS BY OTHERS

SURVEY

PLANS PREPARED FOR:
KENNETH EDENFIELD
(386) 292-9978

NOT FOR CONSTRUCTION

ENGINEER OF RECORD:
BRIAN JAMES PITMAN, P.E.
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DPR REGISTRY #: 3013

PROJECT NAME AND SITE ADDRESS
CROSS CHURCH STORAGE EXPANSION
12518 S US HWY 441
LAKE CITY, FL 32025

SHEET NAME
KEY SHEET
DATE
4/22
PROJECT NUMBER
2021-06CBC
SHEET #
C-1

GENERAL

1. 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. STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION), AND COLUMBIA COUNTY LAND DEVELOPMENT STANDARDS/CODES UNLESS OTHERWISE NOTED.
2. CONTRACTOR MUST GET PRIOR APPROVAL, FROM ENGINEER AND/OR OWNER, BEFORE STARTING WORK THAT WILL BE PAID FOR VIA CHANGE ORDER OR PRIOR TO USE OF ALTERNATIVE MATERIALS.
3. THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS AS SET FORTH BY THE ISSUED FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION 10/2 SELF-CERTIFICATION, EXISTING FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DRINKING WATER FACILITY PERMIT, AND EXISTING FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DOMESTIC WASTEWATER COLLECTION/TRANSMISSION SYSTEM PERMIT.
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. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS WITHIN PROJECT AREA.

PRIOR TO START OF CONSTRUCTION

1. 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.
2. THE CONTRACTOR SHALL NOTIFY THE COUNTY AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
3. THE CONTRACTOR SHALL SUBMIT A NOTICE OF CONSTRUCTION COMMENCEMENT TO THE WATER MANAGEMENT DISTRICT AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS ON THE PROJECT SITE TO ENSURE THAT ALL PROPOSED WORK WILL FIT AS PLANS INTENT. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY. THE CONTRACTOR, ENGINEER, AND OWNER SHALL WORK TO RESOLVE THE ISSUE AS QUICKLY AND ECONOMICALLY AS POSSIBLE.
5. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR SHALL PROTECT ALL UTILITIES WITHIN THE PROJECT AREAS.
6. THE CONTRACTOR SHALL IMPLEMENT ALL COMPONENTS OF THE EROSION AND SEDIMENTATION CONTROL PLAN PRIOR TO ANY EARTH DISTURBING ACTIVITIES. ALL COMPONENTS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL ALL VEGETATION IS ESTABLISHED, THE ENTIRE PROJECT AREA IS STABILIZED AND THE OWNER HAS ACCEPTED OPERATION AND MAINTENANCE.

SURVEY/EXISTING CONDITIONS NOTES

1. BOUNDARY INFORMATION SHOWN WAS OBTAINED FROM A BOUNDARY SURVEY PREPARED BY NORTH FLORIDA PROFESSIONAL SERVICES, FLORIDA CERTIFICATE NO. 4093.
2. 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 NOTIFY THE ENGINEER.
3. THE SITE IS LOCATED IN SECTION 1, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

DURING CONSTRUCTION

1. 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 THROUGH AUGUST, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.
2. IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING GRADING, CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL TO A DEPTH OF 24" BELOW FINISHED GRADE WITHIN THE CONSTRUCTION LIMITS.
3. THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE OWNER. ENGINEER SHALL APPROVE WASTE LOCATION TO ENSURE LOCATION DOES NOT CHANGE OR IMPEDE STORMWATER CONVEYANCE AS INTENDED BY THE GRADING PLAN.

STORMWATER CONSTRUCTION

1. THE STORMWATER BASIN IS DESIGNED IN ACCORDANCE WITH 62-330 F.A.C. AND SRWMD APPLICANT HANDBOOK VOLUMES I & II.
2. ALL SLOPES OF THE STORMWATER BASIN SHALL BE GRASSED. ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.

3. 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 FLORIDAN 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.

EROSION CONTROL PLAN & 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 OF 0.5 INCHES OR GREATER, AND REPAIRED OR 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 SYNTHETIC 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.
15. ALL WASTE GENERATED ON THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY CONTRACTOR.
16. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.
17. EXCESS DIRT SHALL BE REMOVED DAILY.
18. THIS PROJECT SHALL COMPLY WITH ALL WATER QUALITY STANDARDS. PERMIT REQUIRED FROM SRWMD HAS BEEN OBTAINED.
19. 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 THAT HAVE NOT BEEN FINALLY STABILIZED, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.5 INCHES OR GREATER.
20. SITES THAT HAVE BEEN FINALLY STABILIZED WITH SOD OR GRASSING SHALL BE INSPECTED AT LEAST ONCE EVERY WEEK.

POST-CONSTRUCTION

1. 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. A COPY OF THE AS-BUILT SURVEY (IN PAPER AND DIGITAL AUTOCAD FORMAT) MUST BE SUBMITTED TO THE CITY OF LAKE CITY, FLORIDA (DEPARTMENT OF GROWTH MANAGEMENT) AND THE ENGINEER.

SHEET NAME
NOTES

DATE 4/22

1722
UTMAN ENGINEERING PRO
2021-06C BC

C-2

PROJECT NAME AND SITE ADDRESS

CROSS CHURCH STORAGE EXPANSION

12518 S US HWY 441
LAKE CITY, FL 32025

FIRM NAME AND CONTACT INFORMATION:

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DDO REGISTRY 2012

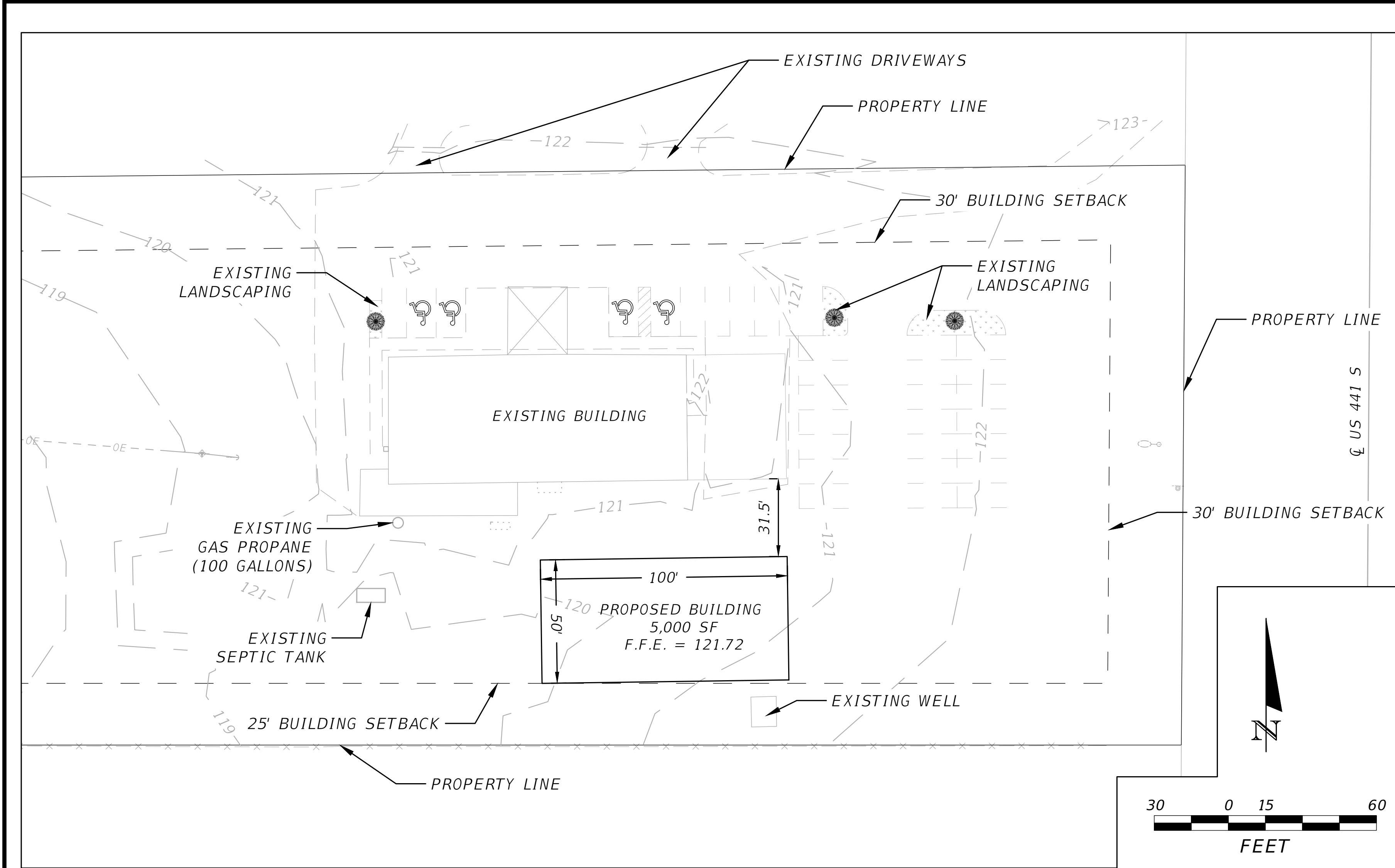
ENGINEER OF RECORD:

ENGINEER OF RECORD:
BRIAN JAMES PITMAN, PE

THE LICENSE NUMBER: 87495

THE LICENSE NUMBER: 87493

PITMAN@PI



NOTES:

1. THE STORAGE EXPANSION HAS BEEN DESIGNED AS AN ACCESSORY USE AND STRUCTURE IN ACCORDANCE WITH COLUMBIA COUNTY LDR 4.5.6.
2. EXISTING WELL AND SEPTIC ABLE TO PROVIDE DEMAND REQUIRED FOR PROPOSED STORAGE EXPANSION.
3. NO WETLANDS WITHIN THE PROPERTY LIMITS.

SITE DATA TABLE			
CROSS CHURCH STORAGE EXPANSION			
PARCEL NUMBER	27-55-17-09419-102		
ZONING	A-3		
FUTURE LAND USE	AGRICULTURE 3		
COUNCIL DISTRICT	COLUMBIA COUNTY		
PHYSICAL ADDRESS/LOCATION	12518 S US HWY 441 LAKE CITY, FL 32025		
		SQUARE FEET (SF)	ACRES
PROJECT BOUNDARY		217,233	4.99
EXISTING IMPERVIOUS AREA	EXISTING GRAVEL	13,551	0.31
	EXISTING CONCRETE PAVEMENT	1,425	0.03
	EXISTING BUILDING	9,819	0.23
	EXISTING STORMWATER MANAGEMENT FACILITY	65,776	1.51
TOTAL EXISTING IMPERVIOUS AREA		90,571	2.08
PROPOSED IMPERVIOUS AREA	EXISTING GRAVEL TO REMAIN	13,551	0.31
	EXISTING CONCRETE TO REMAIN	1,425	0.03
	EXISTING BUILDING TO REMAIN	9,819	0.23
	EXISTING STORMWATER MANAGEMENT FACILITY TO REMAIN	65,776	1.51
	PROPOSED ASPHALT PAVEMENT	0	0.00
	PROPOSED CONCRETE PAVEMENT	0	0.00
	PROPOSED BUILDING	5,000	0.11
TOTAL PROPOSED IMPERVIOUS AREA	PROPOSED STORMWATER MANAGEMENT FACILITY	0	0.00
		95,571	2.19
PERVIOUS AREA	EXISTING LANDSCAPE AREA	608	0.01
	REMAINING GREEN SPACE	121,054	2.78
TOTAL PERVIOUS AREA		96,179	2.21
NOTES:			
REQUIRED PARKING	NO ADDITIONAL PARKING REQUIRED FOR ACCESSORY STRUCTURES		
EXISTING PARKING	26 SPACES + 4 ADA SPACES = 30 TOTAL SPACES		

ENGINEER OF RECORD:
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