

#### BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

May 17, 2022

VIA ELECTRONIC MAIL

Greater St. Paul Ministries Property Owners 304 SW Kicklighter Terr Lake City, FL 32055

Re: Site & Development Plan (SDP 22 04) "Trinity Faith Outreach Ministries, Site Plan"

Approval Letter

Dear Property Owner(s),

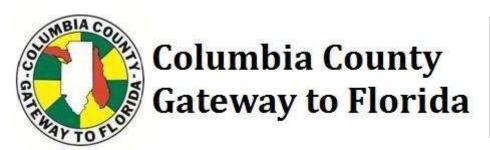
The Minor Site & Development Application you submitted has been reviewed in accordance with Section 14.13.6 "Minor Site and Development Plan Approval" of the Land Development Regulations ("LDRs"). The Minor Site and Development Plan Application, SDP 22 04, for the Trinity Faith Outreach Ministries, Site Plan has been found in compliance with the County's Comprehensive Plan and Land Development Regulations and is hereby approved.

If you have any questions, please do not hesitate to contact me at <a href="mailto:jennifer dubose@columbiacountyfla.com">jennifer dubose@columbiacountyfla.com</a> or (386) 719-1474.

Sincerely,

Jennifer DuBose Franks

Jennifer DuBose Franks Code Compliance Officer



FOR PLANNING USE ONLY					
Application # SPD_ 2204					
Application Fee \$300.00					
<b>Receipt No.</b> 757825					
Filing Date <u>04/06/2022</u>					
Completeness Date <u>05/17/2022</u>					

#### **Minor Site Plan Application**

A.	PRO	DIECT INFORMATION									
	1.	Project Name: Trinity Faith Outreach Ministries									
	2.	Address of Subject Property: SW Kicklighter Terrace, Lake City FL 32055									
	3.	Parcel ID Number(s): 14-4S-16-02960-012									
	4.	Future Land Use Map Designation: Residential Very Low Density									
	5.	Zoning Designation: RR - Rural Residential									
	6.	Acreage: 1.26									
	7.	Existing Use of Property: Vacant									
	8.	Proposed use of Property: Church/ House of Worship									
	9. Type of Development (Check All That Apply):										
		( ) Increase of floor area to an existing structure: Total increase of square footage									
		( ) New construction: Total square footage 2400 S.F.									
		( ) Relocation of an existing structure: Total square footage									
		( ) Increase in Impervious Area: Total Square Footages									
B.	APF	APPLICANT INFORMATION									
	1.	Applicant Status □ Owner (title holder) ■ Agent									
	2.	Name of Applicant(s): William Menadier, P.E. Title: SR. Project Manager									
		Company name (if applicable): Dewberry Engineers Inc.									
		Mailing Address: 654 SE Baya Drive									
		City: Lake City State: Florida Zip: 32055 Telephone: () 850-571-1254 Fax: (									
		Telephone:_() 850-571-1254 Fax:_() Email: wmenadier@dewberry.com									
		PLEASE NOTE: Florida has a very broad public records law. Most written communications to									
		or from government officials regarding government business is subject to public records									
		requests. Your e-mail address and communications may be subject to public disclosure.									
	3.	If the applicant is agent for the property owner*.									
		Property Owner Name (title holder): Greater Saint Paul Outreach Ministries									
		Mailing Address: 304 SW Kicklighter Terr									
		City: Lake City State: Florida Zip: 32055 Telephone: () 386-697-4601 Fax: ( Email: cyperry3@yahoo.com									
		Telephone:_() 386-697-4601 Fax:_() Email: cyperry3@yahoo.com									
		PLEASE NOTE: Florida has a very broad public records law. Most written communications to									
		or from government officials regarding government business is subject to public records									
		requests. Your e-mail address and communications may be subject to public disclosure.									
		*Must provide an executed Property Owner Affidavit Form authorizing the agent to act on behalf of the property owner.									
		Denan of the property owner.									

#### C. ADDITIONAL INFORMATION

1.	Is there any additional contract for the sale of, or options to purchase, the subject property?							
	If yes, list the names of all parties involved:							
	If yes, is the contract/option contingent or absolute: $\Box$ Contingent $\Box$ Absolute							
2.	Has a previous application been made on all or part of the subject property:							
	Future Land Use Map Amendment:							
	Future Land Use Map Amendment Application No. CPA							
	Site Specific Amendment to the Official Zoning Atlas (Rezoning): □Yes ■No							
	Site Specific Amendment to the Official Zoning Atlas (Rezoning) Application No. Z							
	Variance: ☐Yes ■No							
	Variance Application No. V							
	Special Exception:   Yes No							
	Special Exception Application No. SE							

#### D. ATTACHMENT/SUBMITTAL REQUIREMENTS

- 1. Vicinity Map Indicating general location of the site, abutting streets, existing utilities, complete legal description of the property in question, and adjacent land use.
- 2. Site Plan Including, but not limited to the following:
  - a. Name, location, owner, and designer of the proposed development.
  - b. Present zoning for subject site.
  - c. Location of the site in relation to surrounding properties, including the means of ingress and egress to such properties and any screening or buffers on such properties.
  - d. Date, north arrow, and graphic scale not less than one inch equal to 50 feet.
  - e. Area and dimensions of site (Survey).
  - f. Location of all property lines, existing right-of-way approaches, sidewalks, curbs, and gutters.
  - g. Access to utilities and points of utility hook-up.
  - h. Location and dimensions of all existing and proposed parking areas and loading areas.
  - i. Location, size, and design of proposed landscaped areas (including existing trees and required landscaped buffer areas).
  - j. Location and size of any lakes, ponds, canals, or other waters and waterways.
  - k. Structures and major features fully dimensioned including setbacks, distances between structures, floor area, width of driveways, parking spaces, property or lot lines, and percent of property covered by structures.
  - l. Location of trash receptacles.
  - m. For multiple-family, hotel, motel, and mobile home park site plans:
    - i. Tabulation of gross acreage.
    - ii. Tabulation of density.
    - iii. Number of dwelling units proposed.
    - iv. Location and percent of total open space and recreation areas.
    - v. Percent of lot covered by buildings.

- vi. Floor area of dwelling units.
- vii. Number of proposed parking spaces.
- viii. Street layout.
- ix. Layout of mobile home stands (for mobile home parks only).
- 3. Stormwater Management Plan—Including the following:
  - a. Existing contours at one foot intervals based on U.S. Coast and Geodetic Datum.
  - b. Proposed finished elevation of each building site and first floor level.
  - c. Existing and proposed stormwater management facilities with size and grades.
  - d. Proposed orderly disposal of surface water runoff.
  - e. Centerline elevations along adjacent streets.
  - f. Water management district surface water management permit.
- 4. Fire Department Access and Water Supply Plan: The Fire Department Access and Water Supply Plan must demonstrate compliance with Chapter 18 of the Florida Fire Prevention Code, be located on a separate signed and sealed plan sheet, and must be prepared by a professional fire engineer licensed in the State of Florida. The Fire Department Access and Water Supply Plan must contain fire flow calculations in accordance with the Guide for Determination of Required Fire Flow, latest edition, as published by the Insurance Service Office ("ISO") and/or Chapter 18, Section 18.4 of the Florida Fire Prevention Code, whichever is greater.
- 5. Concurrency Impact Analysis: Concurrency Impact Analysis of impacts to public facilities. For commercial and industrial developments, an analysis of the impacts to Transportation, Potable Water, Sanitary Sewer, and Solid Waste impacts are required.
- 6. Comprehensive Plan Consistency Analysis: An analysis of the application's consistency with the Comprehensive Plan (analysis must identify specific Goals, Objectives, and Policies of the Comprehensive Plan and detail how the application complies with said Goals, Objectives, and Policies).
- 7. Legal Description with Tax Parcel Number (In Word Format).
- 8. Proof of Ownership (i.e. deed).
- 9. Agent Authorization Form (signed and notarized).
- 10. Proof of Payment of Taxes (can be obtained online via the Columbia County Tax Collector's Office).
- 11. Fee. The application fee for a Minor Site and Development Plan Application is \$300. No application shall be accepted or processed until the required application fee has been paid.

#### NOTICE TO APPLICANT

All eleven (11) attachments are required for a complete application. Once an application is submitted and paid for, a completeness review will be done to ensure all the requirements for a complete application have been met. If there are any deficiencies, the applicant will be notified in writing.

For submittal requirements, please see the Columbia County Building and Zoning Development Application Submittal Guidelines.

THE APPLICANT ACKNOWLEDGES THAT THE APPLICANT OR AGENT MUST BE PRESENT AT THE PUBLIC HEARING BEFORETHE PLANNING AND ZONING BOARD, AS ADOPTED IN THE BOARD RULES AND PROCEDURES, OTHERWISE THE REQUEST MAY BE CONTINUED TO A FUTURE HEARING DATE.

I hereby certify that all of the above statements and statements contained in any documents or plans submitted herewith are true and accurate to the best of my knowledge and belief.

William A. Menadier P.E.

Applicant/Agent Name (Type or Print)

William A. Menadier, PE Digitally signed by William A. Menadier, PE Date: 2022.03.22 09:42:22 -04'00'

Applicant/Agent Signature

3/22/2022

Date



#### **ATTACHMENT 1**

#### **SURVEY & VICINITY MAP**

# **LOCATION MAP** PROJECT LOCATION N87°28'59"W 209.33'(F) FND. 4"X4" C.M. N86°14'W 210.00'(D) "LB 3048" LEGAL DESCRIPTION: COUNTY FLORIDA.)

## OUTREACH PARCEL BOUNDARY AND TOPOGRAPHIC SURVEY

LYING IN A PORTION OF SECTION 14, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

N0311'45"W 631.10'(D)

N01°26'35"W 295.81'(D)

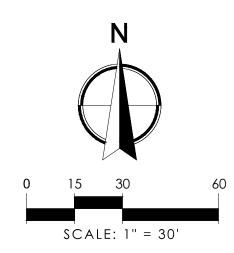
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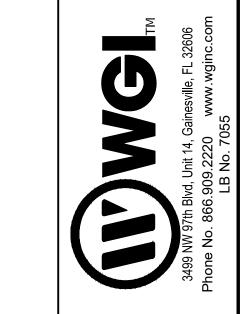
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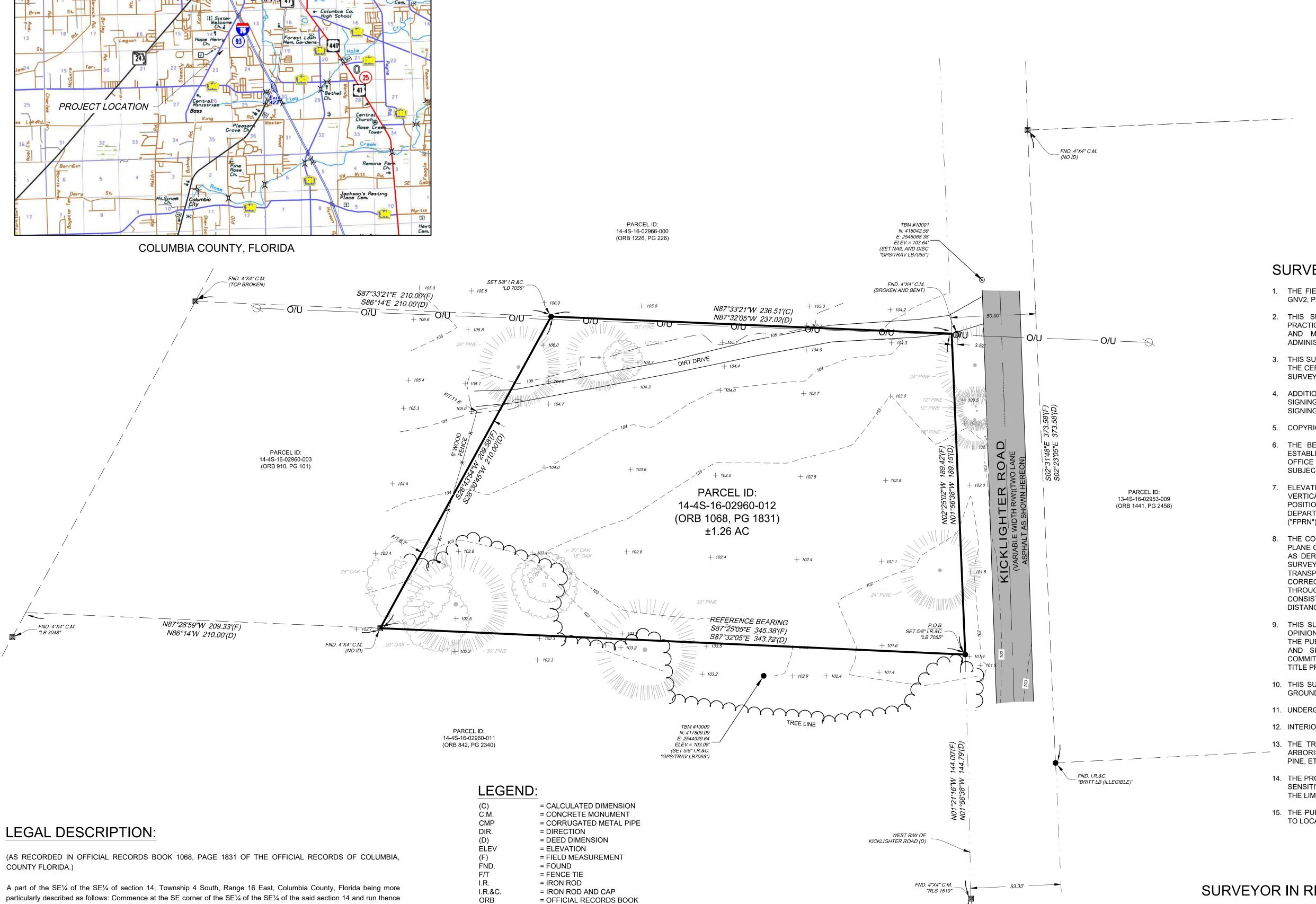
N88°02'24"E

\_\_46.11'(D)

SE CORNER OF THE SE 1/4 OF







O/U

PG

PSM

R/W

WGI

= OVERHEAD UTILITIES

= TEMPORARY BENCHMARK

= RIGHT-OF-WAY

= POWER POLE

= WGI, INC.

= PROFESSIONAL SURVEYOR AND MAPPER

#### **SURVEYOR'S NOTES:**

- 1. THE FIELD SURVEY WAS COMPLETED ON 01/06/22 AND RECORDED IN FIELD BOOK
- 2. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE "STANDARDS OF PRACTICE". AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS
- 3. THIS SURVEY MAP AND REPORT OR THE COPIES THEREOF ARE NOT VALID WITHOUT
- ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- 5. COPYRIGHT © 2022 BY WGI, INC.
- 6. THE BEARINGS SHOWN UPON THIS SURVEY ARE BASED ON GRID NORTH AS ESTABLISHED BY THE NATIONAL OCEAN SERVICE ("NOS") THROUGH ITS PROGRAM OFFICE NATIONAL GEODETIC SURVEY ("NGS") AND THE SOUTH BOUNDARY OF THE SUBJECT PARCEL BEING SOUTH 87 DEGREES 25 MINUTES 05 SECONDS EAST.
- 7. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, AS ESTABLISHED BY REAL-TIME KINEMATIC GLOBAL POSITIONING SYSTEM ("RTK GPS") SURVEY METHODS USING THE PUBLIC FLORIDA DEPARTMENT OF TRANSPORTATION'S FLORIDA PERMANENT REFERENCE NETWORK
- 8. THE COORDINATE SYSTEM UTILIZED HEREON IS RELATIVE TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM OF 1983, 2011 AS DERIVED BY REAL-TIME KINEMATIC GLOBAL POSITIONING SYSTEM ("RTK GPS") SURVEY METHODS USING THE PUBLIC FLORIDA DEPARTMENT OF TRANSPORTATION'S FLORIDA PERMANENT REFERENCE NETWORK ("FPRN"). THE CORRECTED POSITIONS COMPUTED BY THESE NETWORKS WERE VERIFIED THROUGH A REDUNDANCY OF MEASUREMENTS ON PRIMARY CONTROL ALONG WITH CONSISTENT HORIZONTAL CHECKS TO SECONDARY CONTROL POINTS ON SITE. ALL DISTANCES SHOWN HEREON ARE IN U.S. SURVEY FEET.
- 9. THIS SURVEY DOES NOT HAVE THE BENEFIT OF A CURRENT TITLE COMMITMENT, OPINION, OR ABSTRACT. DURING THE COURSE OF THE SURVEY SOME SEARCHES OF THE PUBLIC RECORDS WERE MADE, BUT THESE SEARCHES WERE NOT EXHAUSTIVE AND SHOULD NOT BE CONSIDERED A SUBSTITUTE FOR A PROPER TITLE COMMITMENT, OPINION, OR ABSTRACT OBTAINED FROM A TITLE AGENCY OR OTHER TITLE PROFESSIONAL.
- 10. THIS SURVEY DELINEATES THE LOCATIONS OF THE LEGAL DESCRIPTIONS ON THE GROUND, BUT DOES NOT DETERMINE OWNERSHIP OR PROPERTY RIGHTS.
- 11. UNDERGROUND IMPROVEMENTS, IF ANY, WERE NOT LOCATED EXCEPT AS SHOWN.
- 12. INTERIOR IMPROVEMENTS, IF ANY, WERE NOT LOCATED EXCEPT AS SHOWN.
- 13. THE TREES SHOWN HEREON WERE NOT PREPARED WITH THE BENEFIT OF AN ARBORIST. TREE SPECIMEN NOMENCLATURE IS GENERALLY COMMON (OAK, PALM, PINE, ETC.). CONSULT WITH AN ARBORIST FOR FURTHER CLASSIFICATION.
- 14. THE PROPERTY SURVEYED MAY CONTAIN WETLANDS OR OTHER ENVIRONMENTALLY SENSITIVE AREAS SUBJECT TO THE JURISDICTION BY GOVERNMENTAL AGENCIES. THE LIMITS OF SAID AREAS, IF ANY, HAVE NOT BEEN LOCATED OR SHOWN HEREON.
- 15. THE PURPOSE OF THIS TOPOGRAPHIC SURVEY (AS PER THE CLIENT'S REQUEST) IS TO LOCATE ALL ABOVE GROUND FEATURES WITHIN THE SUBJECT PARCEL.

particularly described as follows: Commence at the SE corner of the SE¼ of the SE¼ of the said section 14 and run thence S 88°02'24"W along the south line of said section 14, a distance of 46.11 feet to the west Right-of-way line of Kicklighter Road (A 60 foot paved/public right-of-way); Thence N. 01°26'35"W, Along said right-of-way line, a distance of 295.81 feet; Thence N03°11'45"W Along said West Right-of- way line, A distance of 631.10 feet; thence N01°56'38"W. Along said right-of-way line, A distance of 144.79 feet; To the Point of beginning; Thence continue N01°56'38"W along said right -of-way line a distance of 189.15 feet; Thence N 87°32'05"W 237.02 feet. Thence S 28°30'45"W 210.00 feet; Thence S 87°32'05"E 343.72 feet to the Point of Beginning containing 1.26 acres, more or less.

#### SURVEYOR IN RESPONSIBLE CHARGE:

FOR THE FIRM CERTIFICATE OF AUTHORIZATION NO. LB 7055

PROFESSIONAL SURVEYOR AND MAPPER FLORIDA LICENSE NO. LS 7316



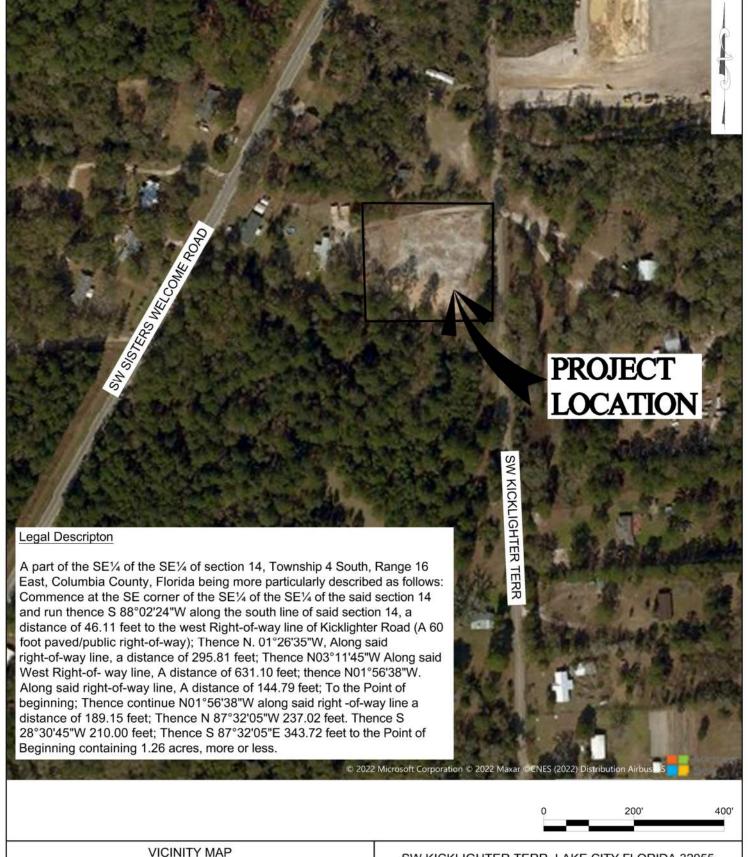
SHEET:

SURVEYOR OF RECORD

CEI

AC

STEPHEN DEES PSM# LS 7316



SW KICKLIGHTER TERR, LAKE CITY FLORIDA 32055

TRINITY FAITH OUTREACH MINISTRIES
COLUMBIA COUNTY, FLORIDA

DEWBERRY ENGINEERS, INC.

Project No.: 50149537 Sheet No.:



#### **ATTACHMENT 2**

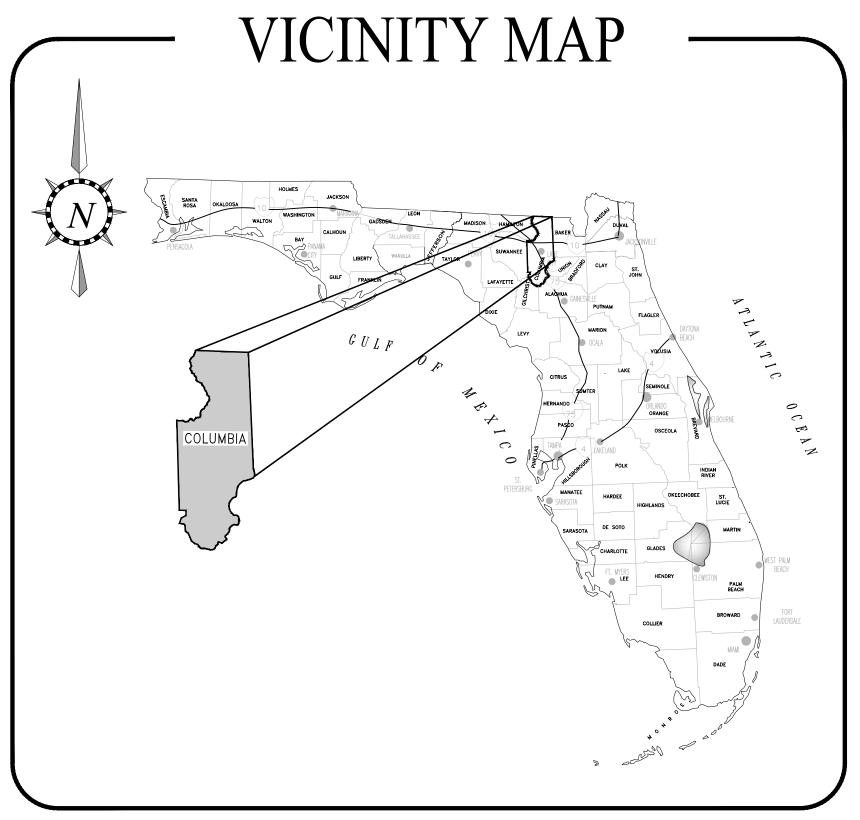
#### **SITE PLAN**

## CONSTRUCTION PLANS FOR:



## TRINITY FAITH OUTREACH MINISTRIES PROJECT

PARCEL ID: 14-4S-16-02960-012



SHEET NO.	SHEET DESCRIPTION:
C1	COVER SHEET
C2	GENERAL NOTES & S.W.P.P. PLAN
C3	EROSION CONTROL
C4	SITE PLAN
C5	DETAIL

OWNER, DEVELOPER, PERMITTING AGENCY, ENGINEER, SURVEYOR

**OWNER:** TRINITY FAITH OUTREACH MINISTRIES, INC.

738 NW TEXAS AVE LAKE CITY, FL 32055 (866) 417-7123

**ENGINEER:** DEWBERRY ENGINEERS INC.

654 SOUTHEAST BAYA DR LAKE CITY, FL 32025

(850) 571-1254

SURVEYOR: WGI, INC. 3499 NW 97TH BLVD

> UNIT 14 GAINESVILLE, FL 32606 (866) 909-2220

PERMITTING: SUWANNEE RIVER WATER MANAGEMENT 9225 Co Rd 49,

Live Oak, FL 32060 (386) 362-1001

MARCH 2022

PREPARED BY:



PROJECT NUMBER: 50149537

EB# 0008794





ERRORS AND OMISSIONS, IF ANY, IN THESE CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.

GENERAL CONTRACTOR TO THOROUGHLY INSPECT EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS. ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS SHALL BE NOTED AT ONCE AND CALLED TO THE ENGINEER'S ATTENTION 48 HOURS PRIOR TO SUBMITTING BIDS.

ALL CORRESPONDENCE IN REGARDS TO THESE CONSTRUCTION/BID DOCUMENTS SHALL BE DIRECTED TO WILLIAM A. MENADIER, P.E. AT DEWBERRY ENGINEERS INC. LOCATED AT 654 S.E. BAYA DRIVE, LAKE CITY, FL 32025

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION DATED FY 2019/2020, AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 9/25/2019 For Design Standards Modifications click on "Design Standards" at the following web site:

HTTPS://WWW.FDOT.GOV/DESIGN/STANDARDPLANS/CURRENT/DEFAULT.SHTM

<u>UTILTIES</u>: UTILITIES SHALL BE IN ACCORDANCE WITH LATEST CITY OF TALLAHASSEE STANDARDS AND

WILLIAM A. MENADIER, P.E. P.E. #: 74581

DATE:

#### **GENERAL NOTES**

- 1. THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE PHYSICALLY VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE CONSTRUCTION BEGINS. THESE DRAWINGS DO NOT INTEND TO SHOW IN COMPLETE DETAIL ALL EXISTING STRUCTURES, UTILITIES, OR PIPING. THE CONTRACTOR SHALL EXAMINE ALL AVAILABLE RECORDS AND MAKE ALL EXPLORATIONS AND EXCAVATIONS AS REQUIRED TO DETERMINE THE LOCATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING, WHENEVER NECESSARY. THE OWNER RESERVES THE RIGHT TO CHANGE LOCATION OF LINES TO AVOID CONFLICT WITH EXISTING STRUCTURES, UTILITIES, OR PIPING. THE LOCATIONS OF UNDERGROUND UTILITIES HAVE NOT BEEN PHYSICALLY LOCATED BY THEIR OWNER OR ENGINEER.
- 2. THE CONTRACTOR SHALL CHECK PLANS FOR CONFLICTS AND DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S ENGINEER OF ANY CONFLICT BEFORE PERFORMING ANY WORK IN THE AFFECTED AREA.
- 3. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE VARIOUS UTILITY COMPANIES IN ORDER TO PERMIT MARKING THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES ABOVE OR BELOW GROUND THAT MAY OCCUR AS A RESULT OF WORK CALLED FOR IN THESE CONTRACT DOCUMENTS.
- 5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LEARN, KNOW, AND COMPLY WITH THE REGULATIONS, ORDINANCES, PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW AND COMPLY WITH THE CONDITIONS OF THE VARIOUS PERMITS OF THE GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL SCHEDULE THE REQUIRED INSPECTIONS AND APPROVALS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMIT CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE NECESSARY AGENCIES OF CONSTRUCTION COMMENCEMENT.
- 6. ALL SPECIFICATIONS AND DOCUMENTS REFERRED TO SHALL BE OF LATEST ISSUE AND SHALL BE CONSIDERED A PART OF THESE DOCUMENTS AS THOUGH INCLUDED.
- 7. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN ADEQUATE TRAFFIC CONTROL AND TO PROVIDE DETOURS AROUND CONSTRUCTION ACTIVITIES. NO STREET SHALL REMAIN CLOSED TO TRAFFIC OVERNIGHT. IN ADDITION, THE CONTRACTOR SHALL COOPERATE WITH LOCAL RESIDENTS IN GAINING ACCESS TO THEIR HOMES AND BUSINESSES DURING WORKING HOURS AND SHALL ASSIST AT ALL TIMES WHEN VEHICLES EXPERIENCE TROUBLE DUE TO CONSTRUCTION ACTIVITIES.
- 8. PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL INSTALL ANY REQUIRED SILT FENCING OR BALED HAY BARRIERS (FLORIDA EROSION CONTROL MANUAL) FOR SILT/EROSION CONTROL. THERE WILL BE NO DIRECT PAYMENT FOR THIS WORK. COST SHALL BE INCLUDED IN OTHER ITEMS OF WORK. LOCATION SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED IN THE FIELD.
- 9. THE CONTRACTOR SHALL INSTALL ALL TRAFFIC CONTROL DEVICES REQUIRED FOR THE PROJECT IN ACCORDANCE WITH THE LATEST EDITION OF THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL
- 10. WHERE IT BECOMES NECESSARY TO TEMPORARILY REMOVE, REPOSITION, OR SUPPORT EXISTING FACILITIES, UTILITY POLES, ETC. THIS WORK SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE AND IN ACCORDANCE WITH REQUIREMENTS OF THE OWNER OF THE EXISTING FACILITY, UTILITY POLE, ETC. THE CONTRACTOR SHALL GIVE PROPER NOTICE TO THE UTILITIES. THE CONTRACTOR SHALL PHYSICALLY EXAMINE THE ENTIRE PROJECT SITE AND INFORM HIMSELF FULLY IN REGARD TO ALL CONDITIONS PERTAINING TO THE PLACE WHERE THE WORK IS TO BE PERFORMED FOR PURPOSE OF DETERMINING HIS COST TO PERFORM THE WORK. THE CONTRACTOR SHOULD PAY SPECIAL ATTENTION TO AREAS INVOLVING CLEARING AND GRUBBING, EXISTING FACILITIES REMOVAL AND REPLACEMENT, SUPPORT ON RELOCATION, AND WORK INVOLVED IN WETLAND AREAS.
- 11. WORK ALONG STREETS MAY REQUIRE THE REMOVAL AND REPLACEMENT OF EXISTING DRAINAGE PIPE, STRUCTURES, HEADWALLS, ETC., THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR RELATED ITEMS OF WORK.
- 12. COPIES OF TEST REPORTS FOR ASPHALT, SUBGRADE, FILL, AND BACKFILL UNDER ROADWAYS AND STRUCTURES, AND UTILITY TRENCHES SHALL BE PROVIDED DIRECTLY TO THE ENGINEER FOR APPROVAL. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE TESTING AND INSURE THAT ALL APPLICABLE TESTS HAVE BEEN PERFORMED. FAILURE TO OBTAIN TEST RESULTS AT ANY POINT OF CONSTRUCTION WILL REQUIRE THE REMOVAL OF THE IMPROVEMENT AND REPLACEMENT BY THE CONTRACTOR. IT SHOULD BE NOTED THAT THE ENGINEER WILL REQUIRE COMPACTION TESTING IN ACCORDANCE WITH THE TESTING SCHEDULE FOR UTILITY TRENCH FILL AND BACKFILL.
- 13. ANY DISTURBED SIGNS MUST BE REINSTALLED TO EXISTING OR ACCEPTABLE CONDITION BY THE OWNER AT THE CONTRACTOR'S EXPENSE.
- 14. CONTRACTOR SHALL HAVE COPIES OF ALL PERMITS (CITY, COUNTY, FDOT & FDEP) IN POSSESSION AT ALL TIMES DURING CONSTRUCTION. ANY INDIVIDUAL CREW OR INDIVIDUAL PERSON WORKING ON THE INSTALLATION OF ANY PART OF THIS PROJECT SHALL HAVE A SET OF PLANS AND SPECIFICATIONS WITH THEM AT ALL TIMES.
- 15. TESTING REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE TESTING SCHEDULE CONTAINED WITHIN THESE PLANS. SELECTION AND CONTRACTING WITH THE TESTING FIRMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SCHEDULE ALL TESTS.
- 16. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SCHEDULE THE ACTIVITIES OF THE UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO TV, TELEPHONE, GAS, POWER, ETC., AND PROVIDE IN ACCORDANCE WITH THE UTILITY COMPANY ANY NECESSARY CONDUITS FOR CROSSINGS UNDER PAVEMENT. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THIS SERVICE. ANY DAMAGE CAUSED BY THE UTILITY COMPANY TO THE IMPROVEMENTS OF THE CONTRACTOR SHALL BE REPAIRED IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT REPAIRS ARE PERFORMED. EITHER BY THE CONTRACTOR OR THE UTILITY COMPANY AT NO COST TO THE OWNER.
- 17. ALL CONSTRUCTION STAKING SHALL BE DONE AT CONTRACTORS EXPENSE.
- 18. STATIONING ON THE PLANS RELATES TO THE CENTERLINE OF ALL ROADWAYS/ RIGHT-OF-WAYS AND SHALL BE USED FOR LOCATION PURPOSES ONLY. CONTRACTOR SHALL NOT USE STATIONING WHEN CALCULATING PIPE LENGTHS.
- 19. THE CONTRACTOR SHALL TAKE WHATEVER PRECAUTIONS NECESSARY TO AVOID TRESPASSING AND DAMAGING PRIVATE PROPERTY.
- 20. ALL SPOIL MATERIAL FROM EXCAVATION SHALL BE PLACED ON THE UPLAND SIDE OF ANY SLOPED CONSTRUCTION AREA.
- 21. THE CONTRACTOR SHALL TAKE WHATEVER STEPS NECESSARY TO PREVENT EROSION INTO NEARBY WETLANDS WHICH INCLUDES TURBIDITY CURTAINS, HAY BAILS, AND ALL OTHER METHODS TO CONTROL EROSION AT NO ADDITIONAL COST TO OWNER AND MAY BE DIRECTED TO DO SO BY THE ENGINEER.
- 22. THE CONTRACTOR SHALL MAINTAIN A REASONABLE ACCESS TO ALL RESIDENCES AND BUSINESSES DURING CONSTRUCTION.
- 23. ALL EXISTING CONCRETE, ASPHALT, TREES, STUMPS, AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH FLORIDA LAWS.
- 24. DEWATERING: SHOULD LOWERING OF GROUNDWATER BE NECESSARY FOR THE INSTALLATION OF CONCRETE STRUCTURES, GRAVITY SEWER, FORCEMAINS, WATERMAINS, ETC., OR TO PREVENT LATERAL MOVEMENT OF MATERIAL UNDER CONCRETE ALREADY PLACED, SUCH LOWERING SHALL BE ACCOMPLISHED BY MEANS OF A WELL POINT SYSTEM OR OTHER APPROVED MEANS, AT CONTRACTOR'S EXPENSE. COMPREHENSIVE PLANS FOR DEWATERING OPERATIONS, IF USED, SHALL BE SUBMITTED BY THE CONTRACTOR TO ENGINEER PRIOR TO INSTALLATION.
- 25. CONTRACTOR SHALL FURNISH "AS BUILT PLANS" INDICATING LOCATIONS OF ALL FEATURES, PIPES, PONDS, PADS, MANHOLES, FITTINGS, VALVES, AND DEAD END RUNS WITH THREE (3) PHYSICAL FEATURES (LOT CORNERS, TREES, ETC.).
- 26. THE CONTRACTOR SHALL REMOVE AND REPLACE, TO THEIR ORIGINAL NATURE, ALL DISTURBED MATERIALS OR OBJECTS WITHIN THE PATH OF THE NEW UTILITIES AS NECESSARY. ALL REPLACED MATERIALS SHALL BE EQUAL OR BETTER AND SHALL BE APPROVED BY THE ENGINEER. THIS INCLUDES ALL LANDSCAPING WITHIN THE RIGHT OF WAY IN THE PATH OF THE NEW UTILITIES.
- 27. CONTRACTOR SHALL FOLLOW ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR CONSTRUCTION.
- 28. A TWO AND ONE HALF FOOT STRIP OF SOD SHALL BE INSTALLED ON THE EDGE OF ALL ASPHALT AND ASPHALT MILLING AREAS AND AROUND ALL ABOVE GROUND CONCRETE STRUCTURES INCLUDING BUT NOT LIMITED TO VALVE PADS, BLOW OFF VAULTS, AND AIR RELEASE VAULTS. ALL OTHER DISTURBED AREAS SHALL BE RESTORED WITH SEED AND MULCH UNLESS OTHERWISE SPECIFIED IN PLANS.
- 29. PROPOSED SPOT ELEVATIONS REPRESENT PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.

#### SPECIAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF COORDINATION WITH ELECTRIC COMPANY TO STABILIZE POWER POLES AS THEY ARE ENCOUNTERED THROUGHOUT THE ENTIRE PROJECT.
- REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS AND DRIVEWAY CULVERTS SHALL BE INCLUDED IN THE BID PRICE. NEW DRIVEWAYS SHALL MATCH EXISTING MATERIALS.
- REMOVAL AND REPLACEMENT OF EXISTING SIGNS, MAILBOXES, SODDING, IRRIGATION, LANDSCAPING, STRUCTURES, ETC. SHALL BE INCLUDED IN THE BID PRICE.
- COMPACTION TESTING SHALL BE PERFORMED AT THE ROADWAY CUT FOR EXCAVATION AND BACKFILL SHALL BE COMPACTED PER FDOT SPECIFICATIONS FOR ROAD RECONSTRUCTION AND SHALL BE INCLUDED IN THE BID
- 5. THE LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITIES INCLUDING RECONNECTING ALL WATER AND SEWER SERVICES DAMAGED/BROKEN DURING CONSTRUCTION, WITH NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A MAINTENANCE OF TRAFFIC PLAN PRIOR TO COMMENCEMENT OF CONSTRUCTION. SIGNAGE SHALL BE MAINTAINED AT ALL TIMES AND SHALL BE INCLUDED IN THE BID PRICE.
- 7. CONTRACTOR SHALL PROVIDE ALL DE-WATERING FOR CONSTRUCTION AND SHALL BE INCLUDED IN THE BID PRICE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NPDES PERMIT AND MAINTAINING THE SILT FENCE. INLET PROTECTION, AND ANY OTHER EROSION CONTROL NECESSARY IN THE NPDES PERMIT GUIDLINES.

#### CONSTRUCTION SEQUENCE:

- CONTRACTOR WILL BE RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION CONFERENCE WITH THE OWNERS, UTILITY COMPANIES, WMD, FDOT, COUNTY, ENGINEER AND ALL OTHER PARTIES REQUIRED FOR COMMENCEMENT OF PROJECT. THIS MEETING SHALL TAKE PLACE PRIOR TO COMMENCEMENT OF ANY PROJECT RELATED ACTIVITIES. AT THIS TIME PRIOR TO ANY CONSTRUCTION THE PERMIT MUST BE POSTED WITHOUT NAILING TO ANY TREE ON SITE.
- THE CONTRACTOR SHALL ENSURE THAT A FOREMAN OR SUPERVISOR WHO HAS BEEN CERTIFIED UNDER FLORIDA STORMWATER, EROSION, AND SEDIMENTATION CONTROL INSPECTOR TRAINING PROGRAM IS AVAILABLE IN PERSON OR BY TELEPHONE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. CONSTRUCTION SHALL NOT COMMENCE UNTIL INFORMATION (NAME AND PHONE NUMBER) OF CERTIFIED STORMWATER EROSION AND SEDIMENT CONTROL INSPECTOR HAS BEEN PROVIDED TO THE COUNTY AT THE PRE CONSTRUCTION MEETING
- CONTRACTOR SHALL USE ENTRANCE ON THE NORTH SIDE OF THE SITE. CONTRACTOR WILL LIMIT THE AMOUNT OF AREA IMPACTED IN THE RIGHT OF WAY DURING CONSTRUCTION.
- PRIOR TO CLEARING, A SILT FENCE BACKED WITH 4' HOG WIRE FENCE (TRENCHED 8 INCHES DEEP AND BACKFILLED ON THE UPHILL SIDE), SHALL BE INSTALLED AROUND THE PERIMETER OF THE SITE AS SHOWN ON THE PLANS. SILT FENCE MUST NOT BE TRENCHED WITHIN THE CPZ OF ANY TREES TO BE PROTECTED. EROSION CONTROL SHOWN ON PLANS IS REQUIRED. ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED DURING ANY PHASE OF THE DEVELOPMENT, AT THE DISCRETION OF THE INSPECTOR. THE CITY INSPECTOR MAY REQUIRE ADDITIONAL MEASURES TO PREVENT ADDITIONAL EROSION. CONTRACTOR SHALL PROVIDE OUTLET PROTECTIONS FOR SEDIMENTS THAT MAY ENTER THE STORMWATER FACILITY. CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING THE PROPOSED POND AFTER CONSTRUCTION OF ANY SEDIMENT THAT ENTERS THE POND. CONTRACTOR WILL BE RESPONSIBLE FOR THE CONDITION OF THE POND DURING CONSTRUCTION. CONTRACTOR CAN USE ADDITIONAL ALTERNATIVE TO PREVENT SEDIMENTS ENTERING THE POND. CONTRACTOR WILL BE RESPONSIBLE FOR ANY OFFSITE IMPACTS.
- DURING THE CLEARING, GRUBBING AND SITE GRADING STAGES, AREAS THAT ARE DISTURBED MORE THAN 7 DAYS SHALL BE STABILIZED WITH RYE GRASS APPLIED AT MANUFACTURER'S RECOMMENDATIONS. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH 4,000 POUNDS OF STRAW PER ACRE. ALL EXPOSED SLOPES THAT ARE EQUAL TO OR GREATER THAN 5%, AN EROSION BLANKET SHALL BE UTILIZED UNTIL THE AREA ACHIEVES FINAL STABILIZATION. TO LIMIT THE AMOUNT OF EROSION ON SITE CONTRACTOR SHALL CLEAR SITE ONLY AS NEEDED DURING CONSTRUCTION. CONTRACTOR SHALL USE CARE WHEN CUTTING GRADES FOR THE WALL AND SWALE. CONTRACTOR SHALL ALSO PREPARE DIVERSION BERMS
- CONTRACTOR SHALL EXCAVATE THE SITE SO THAT NO SEDIMENTS ENTER THE CONVEYANCE SYSTEM. CONTRACTOR SHALL ENSURE NECESSARY SAFETY MEASURES ARE TAKEN TO REMOVE SOIL FROM THE PROPOSED SITE AND OSHA REQUIREMENTS ARE MET. IF CONTRACTOR STORES SOILS ON SITE AND SHALL COORDINATE WITH OWNER ABOUT LOCATION ON SITE. THE STORAGE ON SITE AREA SHALL BE SURROUNDED BY C. DESCRIPTION OF STORM WATER MANAGEMENT: WET & DRY DETENTION DOUBLE ROW SILT FENCE. IF THE CONTRACTOR REMOVES SOIL AND CREATES SLOPES GREATER THAN 2:1 PRIOR TO THE WALL BEING INSTALLED NECESSARY EROSION CONTROL MEASURES SHALL BE PLACED, SUCH AS DOUBLE ROW SILT FENCES AND EROSION CONTROL BLANKETS AS NEEDED.
- 7. AFTER THE INITIAL SITE GRADING WORK, ALL PROPOSED INLET(S)/OUTFALLS, ONCE INSTALLED, SHALL BE PROTECTED FROM EROSION AND SEDIMENT RUNOFF BY THE USE OF FILTER FABRIC (WITH THE SAME INSTALLATION AS ABOVE). INLET GRATES MAY ALSO BE COVERED WITH FABRIC IF TRAFFIC WILL BE TRAVERSING THE INLETS. THESE COVERS SHALL BE CHECKED DAILY TO ENSURE PROPER COVER. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR ARE TO BE LEFT IDLE FOR MORE THAN 14 DAYS SHALL BE STABILIZED WITH PERMANENT SEED OR OTHER PERMANENT STABILIZATION METHODS. SEEDING SHALL BE THE SAME AS IN TEMPORARY SEEDING.
- 8. TEMPORARY SEEDING SHALL BE RYE GRASS APPLIED AT MANUFACTURER'S RECOMMENDATIONS TO ANY DISTURBED AREAS THAT ARE INACTIVE MORE THAN 7 DAYS. SOD SHALL BE USED TO STABILIZE THE STORMWATER DISCHARGE SWALE. FILTER FABRIC SHALL BE PLACED UNDER STORMWATER DISCHARGE SWALE. OUTFALL. SOD STRIPS IN SWALES AND WATERWAYS SHALL BE LAID PERPENDICULAR TO THE DIRECTION OF FLOW. SOD SHALL BE PEGGED OR STAPLED TO RESIST WASHOUT DURING THE ESTABLISHMENT PERIOD. CHICKEN WIRE, JUTE OR OTHER NETTING SHALL BE PEGGED OVER THE SOD FOR EXTRA PROTECTION FOR THE SWALE LOCATED ON EAST OF THE RETAINING WALL. SOD SHALL BE WATERED AND MAINTAINED AS NEEDED FOR 3. THIS PROJECT. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING IRRIGATION FOR ALL LANDSCAPING ON
- 9. CLEAR THE REMAINING PORTION OF THE SITE, INCLUDING ACCESS DRIVES, AND CREATE DIVERSION CHANNELS IF NECESSARY TO DIRECT STORM WATER FLOWS TO THE CONVEYANCE SYSTEM. CONSTRUCT HAY BALE CHECK DAMS WHERE NEEDED TO TRAP SEDIMENT BEFORE IT REACHES THE CONVEYANCE SYSTEM OR POND.
- COMPACTION OF SOIL BY CONSTRUCTION MACHINERY IS AVOIDED. INLET(S)/OUTFALLS SHALL BE PROTECTED WITH FILTER FABRIC AND PROPERLY INSTALLED HAY BALES (WITH THE SAME INSTALLATION AS INDICATED ABOVE).
- 11. ALL SEDIMENT IS TO BE CAPTURED ON THE PROJECT SITE. ANY SEDIMENT ESCAPING THE PROJECT SITE WILL BE REQUIRED TO BE REMOVED AND RESTORED INCLUDING THE TRACKING OF SOIL ON STREETS. THIS INCLUDES SEDIMENT INTO THE STORMWATER FACILITY. CONTRACTOR WILL BE RESPONSIBLE FOR ANY SEDIMENT
- ENTERING POND AND WILL BE RESPONSIBLE FOR ITS REMOVAL. 12. DAILY SWEEPING WILL BE REQUIRED ON THE PROPERTY AND IMMEDIATELY AFTER STORM EVENTS TO PREVENT TRACKING OF SEDIMENT ON TO STREETS AND RIGHT OF WAY.
- 13. WHERE NEEDED DURING CONSTRUCTION, 2' SOIL DIVERSION BERMS SHALL BE CONSTRUCTED TO INTERCEPT
- 14. REMOVE ALL SEDIMENT/EROSION CONTROL DEVICES. REMOVE AND DISTRIBUTE ANY REMAINING SEDIMENT ONCE FULLY STABILIZED. ASSURE THAT DISTRIBUTED SEDIMENT WILL NOT BE REDISTRIBUTED. ANY EXCESS DIRT SHALL BE DISPOSED OFF IN A MANNER OFF SITE THAT WILL NOT CAUSE ANY EROSION OR SEDIMENT ISSUES. CONTRACTOR WILL ALSO INSPECT STRUCTURES FOR SEDIMENT. ANY SEDIMENT SHALL BE FLUSHED FROM THE CONVEYANCE SYSTEM.

AND DIRECT STORM RUNOFF TO THE ON-SITE STORMWATER INLETS.

- 15. TWO WEEKS PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL HAVE A WALK THROUGH WITH THE ENGINEER, AND OWNER AND A PUNCH LIST SHALL BE PREPARED. ONCE ALL PUNCH LIST ITEMS ARE ADDRESSED TO SATISFY THE ENVIRONMENTAL PERMIT, THE CONTRACTOR SHALL ALSO SCHEDULE A WALK THROUGH WITH THE OWNER, AND ENGINEER UPON COMPLETION.
- 16. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH MINIMUM OF SIX (6) COPIES OF A SIGNED AND SEALED AS-BUILT SURVEY TO VERIFY THE INSTALLATION OF ALL INFRASTRUCTURE, STORMWATER CONVEYANCES, AND LANDSCAPE IMPROVEMENTS IN ACCORDANCE WITH THE PERMIT.
- 17. THE ENGINEER WILL FILE A SIGNED AND SEALED RECORD DRAWINGS AND STORM WATER COMPLIANCE REPORT WITH THE PERMITTING AGENCY TWO WEEKS PRIOR TO REQUESTING A CLOSE OUT OF THE PROJECT.

#### TESTING SCHEDULE

_					
	ITEM	TEST TEST	IDENTIFICATION	TEST REQUIREMENT TE	EST FREQUENCY
ſ	UTILITY TRENCH	MAXIMUM DENSITY	AASHTO T-180	N/A	PER SOIL TYPE
	FILL & BACKFILL	OPTIMUM MOISTURE	ASTM D-1557 AASHTO T-191,T-204	95% OF MAXIMUM DENSITY	ONE PER 500 LF HORIZONTAL OR ONE PER 750 SY WITH A MINIMUM
		FIELD DENSITY	ASTM D-1556, D-2937	DENSITI	OF 3 TESTS, ALTERNATING LIFTS (12")
		GRADATION	AASHTO M-92	(15% PASSING NO. 200	. ,
	FILL & BACKFILL	MAXIMUM DENSITY	AASHTO T-180	N/A	PER SOIL TYPE
	UNDER ROADWAYS AND STRUCTURES	OPTIMUM MOISTURE FIELD DENSITY	ASTM D-1557 AASHTO T-191, T-204,	98% OF MAXIMUM	ONE PER 500 LF HORIZONTAL OR ONE
	AND OTROOTOREO	TILLD DENOTT	T-238 ASTM D-1556,	DENSITY	PER 750 SY WITH A MINIMUM OF 3 TESTS, ALTERNATING LIFTS (12")
		GRADATION	D-2937, D-2922 AASHTO M-92	(15% PASSING NO. 200	O) ONE PER SOIL TYPE
	LIMEROCK BASE	BEARING VALUES	LBR-FDOT	100 (MIN.)	ONE PER SITE OR AT MATERIAL CHANGES
1		MAXIMUM DENSITY	AASHTO T-180	N/A	ONE PER SITE OR AT MATERIAL CHANGES
		OPTIMUM MOISTURE		98% OF MAXIMUM	
			AASHTO T-191,	DENSITY	
		FIELD DENSITY	T-204, T-238 ASTM D-1556,	MODIFIED PROCTOR	ONE PER 500 LF HORIZONTAL OR ONE
		FIELD DENSITY	D-2937, D2922	MODII IED I NOOTON	PER 1200 SY WITH A MINIMUM OF 3 TESTS
-					

#### STORM WATER POLLUTION PREVENTION PLAN:

CONSTRUCTION ACTIVITY: EROSION CONTROL & CONSTRUCTION OF ASPHALT PARKING AREA, UTILITIES, S.W.M.F. & LIMEROCK ACCESS ROAD

PROJECT LIMITS: SEE SHEETS C3, EXISTING CONDITIONS PROJECT DESCRIPTION: EROSION CONTROL & CONSTRUCTION OF ASPHALT PARKING AREA, UTILITIES,

S.W.M.F. & LIMEROCK ACCESS ROAD

MAJOR SOIL DISTURBING ACTIVITIES: EROSION CONTROL & CONSTRUCTION OF ASPHALT PARKING AREA, UTILITIES, S.W.M.F. & LIMEROCK ACCESS ROAD

- A. TOTAL PROJECT AREA: 1.26 AC
- B. TOTAL SOIL AREA TO BE DISTURBED: 0.75 AC
- C. FOR LOCATIONS OF DRAINAGE AREAS AND OUTFALLS: N/A
- a. NAME OF RECEIVING WATERS:GULF OF MEXICO
- b. WETLAND AREA: NO DISTURBANCE TO NON-ISOLATED WETLANDS ARE ANTICIPATED.
- CONTROLS: NARRATIVE SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS. A. THE SOIL DISTURBING ACTIVITIES FOR THIS PROJECT ARE AS FOLLOWS: ONLY UPON PROPER PLACEMENT OF ALL EROSION CONTROLS CAN SOIL DISTURBING ACTIVITIES TAKE PLACE. HAY BALES AND SILT FENCE WILL BE USED LATERALLY AT SPECIFIED INTERVALS. HAY BALES SHALL BE USED TO PREVENT SEDIMENTATION FROM ESCAPING PROJECT LIMITS.
- B. EROSION AND SEDIMENT CONTROLS:
- a. STABILIZATION PRACTICES: X TEMPORARY SODDING
- X TEMPORARY GRASSING
- X PERMANENT PLANTING, SODDING, OR SEEDING
- TEMPORARY MULCHING ARTIFICIAL COVERING
- b. STRUCTURAL PRACTICES:
- SAND BAGGING
- X SILT FENCES
- X HAY BALES
- X BERMS
- SEDIMENT TRAPS X DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES X RIP RAP PIPE SLOPE DRAINS
- FLUMES X ROCK BEDDING AT CONSTRUCTION EXIT
- TIMBER BEDDING AT CONSTRUCTION EXIT

#### D. OTHER CONTROLS:

- a. WASTE DISPOSAL: NO CONSTRUCTION WASTE MATERIAL WILL BE BURIED ON SITE.
- b. OFFSITE VEHICLE TRACKING: HAUL ROADS DAMPENED FOR DUST CONTROL
- X LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
- X EXCESS DIRT ON ROAD REMOVED DAILY X STABILIZED CONSTRUCTION ENTRANCE
- c. SANITARY WASTE: N/A
- d. FERTILIZERS AND PESTICIDES: FERTILIZERS AND/OR PESTICIDES SHALL BE APPLIED ACCORDING TO MANUFACTURERS RECOMMENDATIONS BY A LICENSED OR CERTIFIED APPLICATOR AS DIRECTED BY THE PROJECT ENGINEER.
- e. NON-STORMWATER DISCHARGE (INCLUDING SPILL REPORTING): NO NON-STORMWATER DISCHARGES ARE ANTICIPATED.
- E. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS:

ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES. IF A REPAIR IS NECESSARY, IT WILL BE DONE AT THE EARLIEST DATE POSSIBLE, BUT NO LATER THAN (7) CALENDAR DAYS AFTER THE SURROUNDING EXPOSED AREA HAS DRIED SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM HEAVY EQUIPMENT.

- 10. CARE SHALL BE TAKEN TO ASSURE THE REMOVAL OF ACCUMULATED FINE SEDIMENTS AND THAT THE EXCESSIVE A. ALL CONTROLS SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AS WELL AS AFTER 0.25' OR MORE OF RAIN. AN INSPECTION AND MAINTENANCE REPORT WILL BE MADE PER EACH INSPECTION. BASED ON INSPECTION RESULTS THE CONTROLS SHALL BE REVISED PER THE INSPECTION REPORTS.
  - THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTION THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAGES AND DAILY RAINFALL RECORDS. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT AND CERTIFY THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.
  - C. 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 NEEDED.
  - D. RECORDS OF THE INSPECTION AND THE CONSTRUCTION PERMIT MUST BE MAINTAINED AT THE CONSTRUCTION SITE AND BE READILY AVAILABLE FOR INSPECTION.
  - 5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COVERAGE UNDER THE GENERAL PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES PRIOR TO START OF CONSTRUCTION OR ANY DISTURBANCE OF LAND GREATER THAN ONE ACRE. THE CONTRACTOR WILL FORWARD A COPY OF THE PERMIT AND WILL PROVIDE 24 HOUR NOTIFICATION TO THE CITY OWNER PRIOR TO COMMENCEMENT OF WORK. ALL REQUIRED ELEMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN MUST BE IN PLACE PRIOR TO COMMENCEMENT OF CONSTRUCTION. FAILURE TO COMPLY COULD RESULT IN CODE ENFORCEMENT ACTION AND FINES.
  - THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING REQUIRED WASTE MANAGEMENT PRACTICES AS DEFINED IN THE GADSDEN COUNTY MUNICIPAL CODE "UNLAWFUL DISPOSAL OF WASTE, FAILURE TO DELIVER WASTE," WHICH MAKES IT
  - UNLAWFUL FOR ANY PERSON TO DUMP, LEAVE OR BURY ANY SOLID WASTE ON PUBLIC OR PRIVATE PROPERTY. 7. SWEEPING SHALL OCCUR DAILY OR IMMEDIATELY AFTER SUCH EVENTS THAT CAUSE TRACKING ONTO STREET.



Dewberry Engineers Inc. 654 S.E. Baya Drive Lake City, FL 32055 386.719.9985

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WILLIAM A. MENADIER **ENGINEER OF RECORD LICENSE** 

EB # 8794

SCALE

DEVISIONS

DESCRIPTION DATE DRAWN BY L. HEWETT W. MENADIER APPROVED BY

DATE TITLE

CHECKED BY

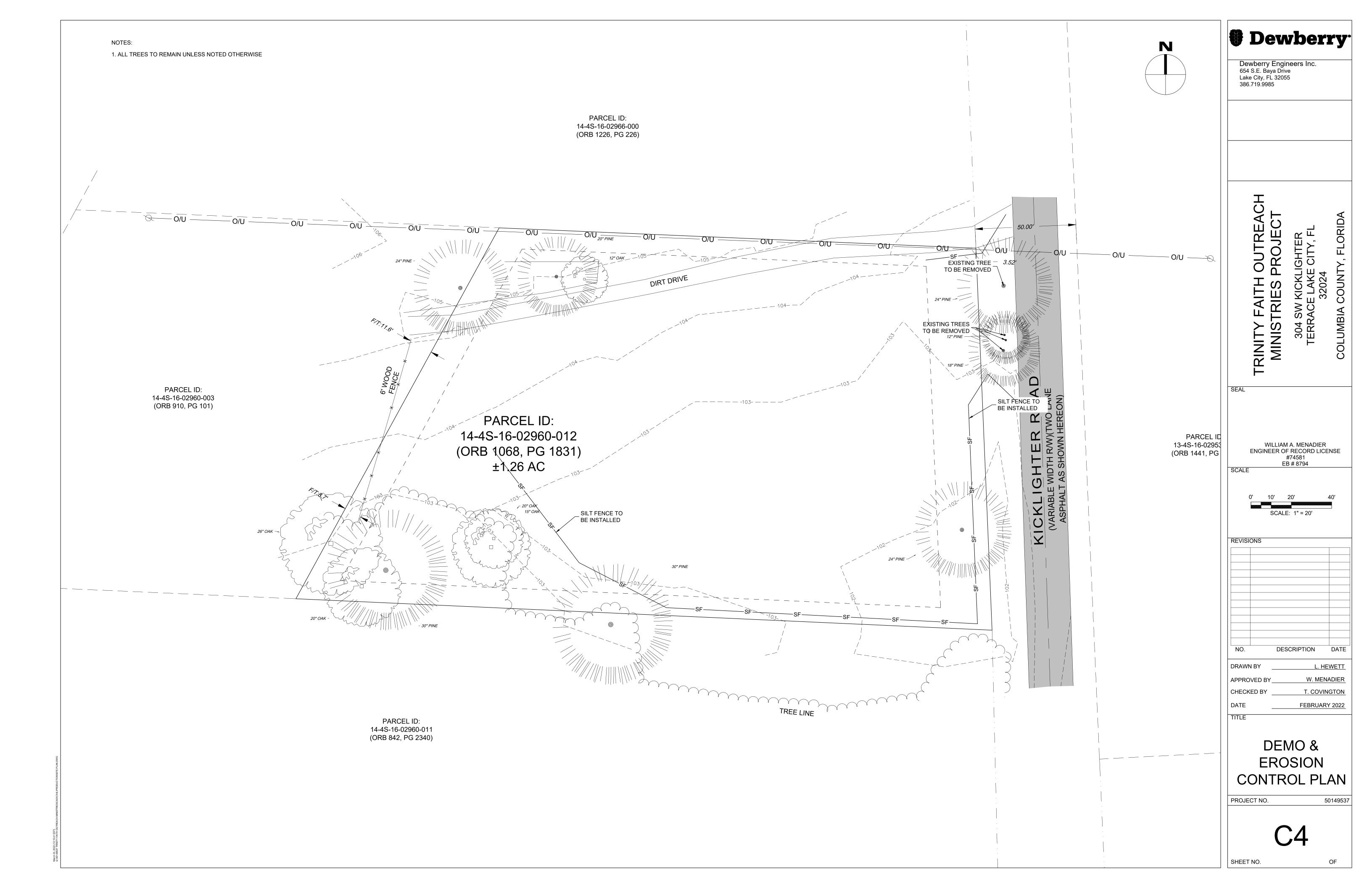
**GENERAL** S.W.P.P. PLAN

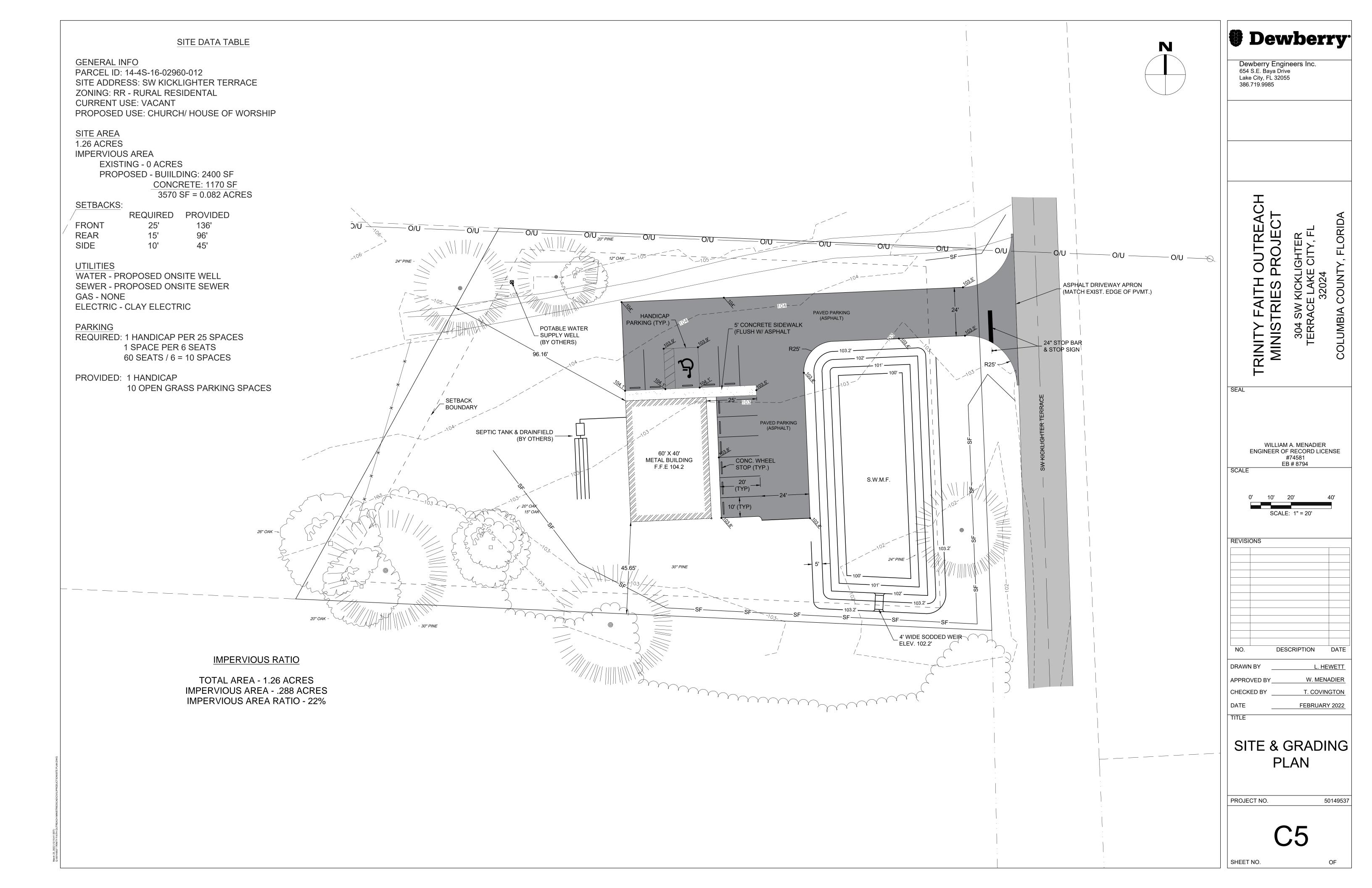
PROJECT NO.

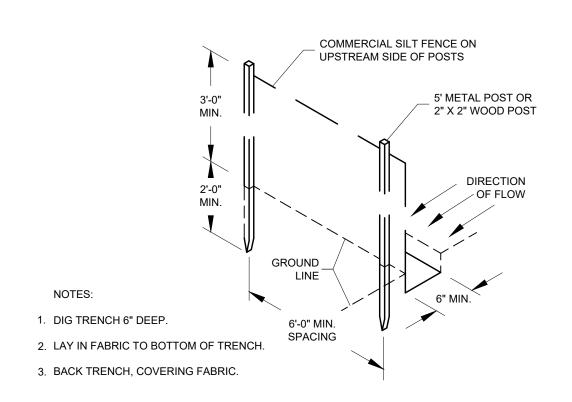
SHEET NO.

T. COVINGTON

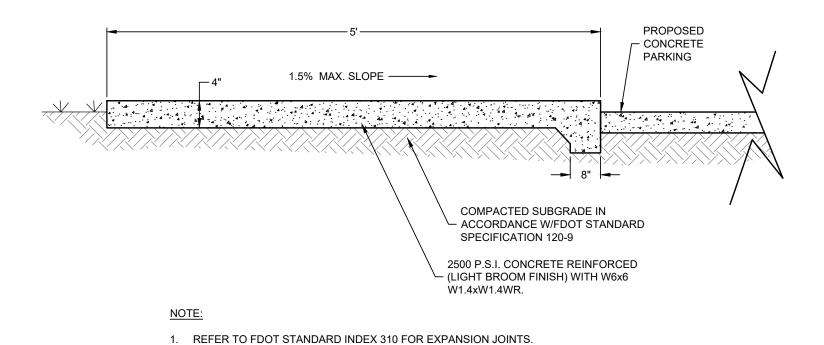
FEBRUARY 2022





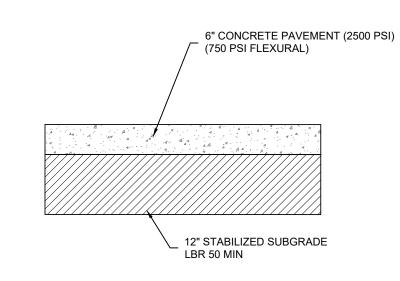


TYPE IV SILT FENCE DETAIL



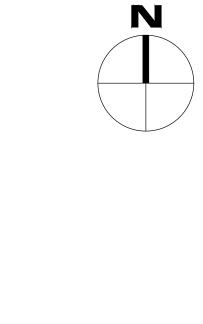
**CONCRETE SIDEWALK DETAIL** 

2. ALL SIDEWALKS SHALL MEET ADA STANDARDS.



NOTE:
CONSTRUCTION JOINTS SHOULD BE KEYED OR DOWELED TO PROVIDE SHEET TRANSFER
BETWEEN SLABS. JOINT SPACING SHOULD BE NO GREATER THAN 15 FEET ON CENTERS. ALL MATERIAL AND METHOD PER FDOT "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", LATEST EDITION. SEE GEOTECHNICAL REPORT FOR ADDITIONAL

TYPICAL CONCRETE PAVEMENT SECTION



HOUTREA PROJECT 304 SW KICKLIGHTER TERRACE LAKE CITY, FL 32024 TRINITY FAITH (MINISTRIES F

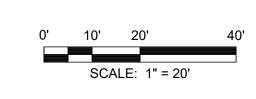
COUNTY,

Dewberry

Dewberry Engineers Inc. 654 S.E. Baya Drive Lake City, FL 32055 386.719.9985

WILLIAM A. MENADIER ENGINEER OF RECORD LICENSE EB # 8794

SCALE



REVISIONS DESCRIPTION DATE

DRAWN BY L. HEWETT W. MENADIER APPROVED BY CHECKED BY T. COVINGTON

DATE

DETAIL

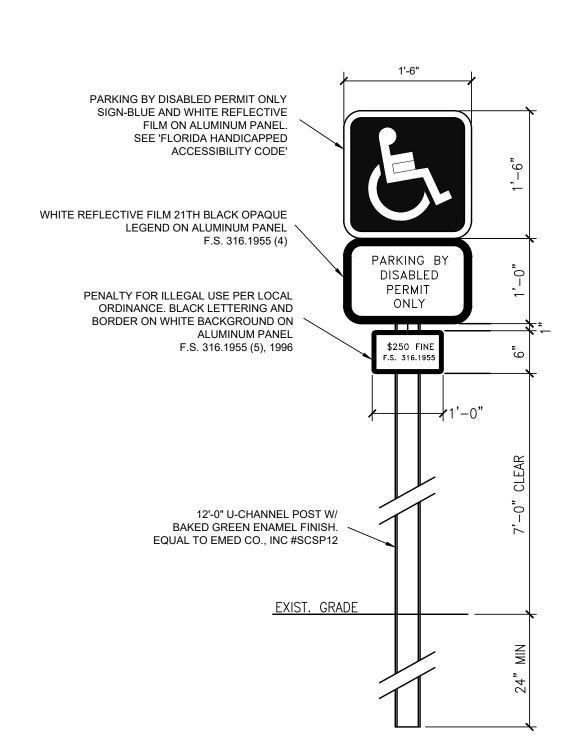
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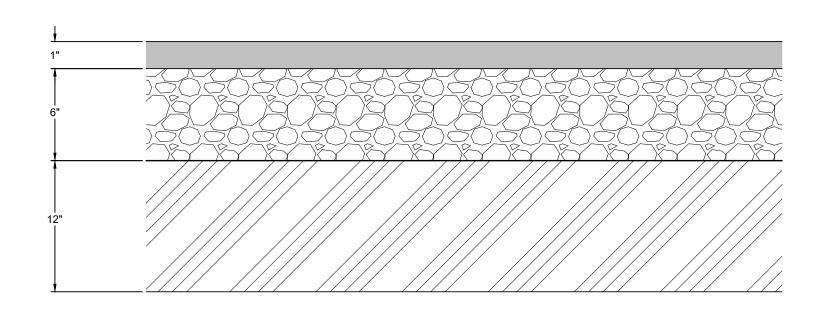
OF

PROJECT NO.

SHEET NO.



PARKING FOR THE DISABLED SIGN



SURFACE COURSE: TYPE SP 9.5 ASPHALTIC CONCRETE (1" MIN. COMPACTED THICKNESS)

BASE COURSE: LIMEROCK (6" MIN. COMPACTED

THICKNESS WITH PRIME COAT), OR OTHER OPTIONAL BASE GROUP 4 MATERIAL. (LBR = 100) MIN. 98%

MODIFIED PROCTOR

SUBGRADE: MIN. 95% MODIFIED PROCTOR

FOR 12" MIN. DEPTH (LBR = 40)

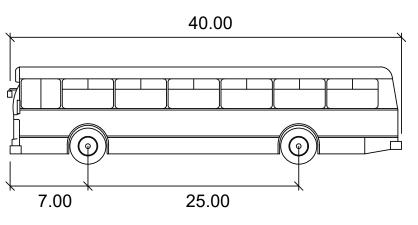
TYPICAL ASPHALT PAVEMENT SECTION

PARKING FOR THE \_ DISABLED SIGN STRIPING

> 1. ALL STANDARD SPACES SHALL HAVE WHITE STRIPING. 2. ALL HANDICAP SPACES SHALL BE TRAFFIC PAINT STRIPING. 3. ASPHALT AND CNCRETE SHALL BE FLUSH

TYPICAL STRIPING AND PARKING DIMENSIONS FOR PERPENDICULAR PARKING



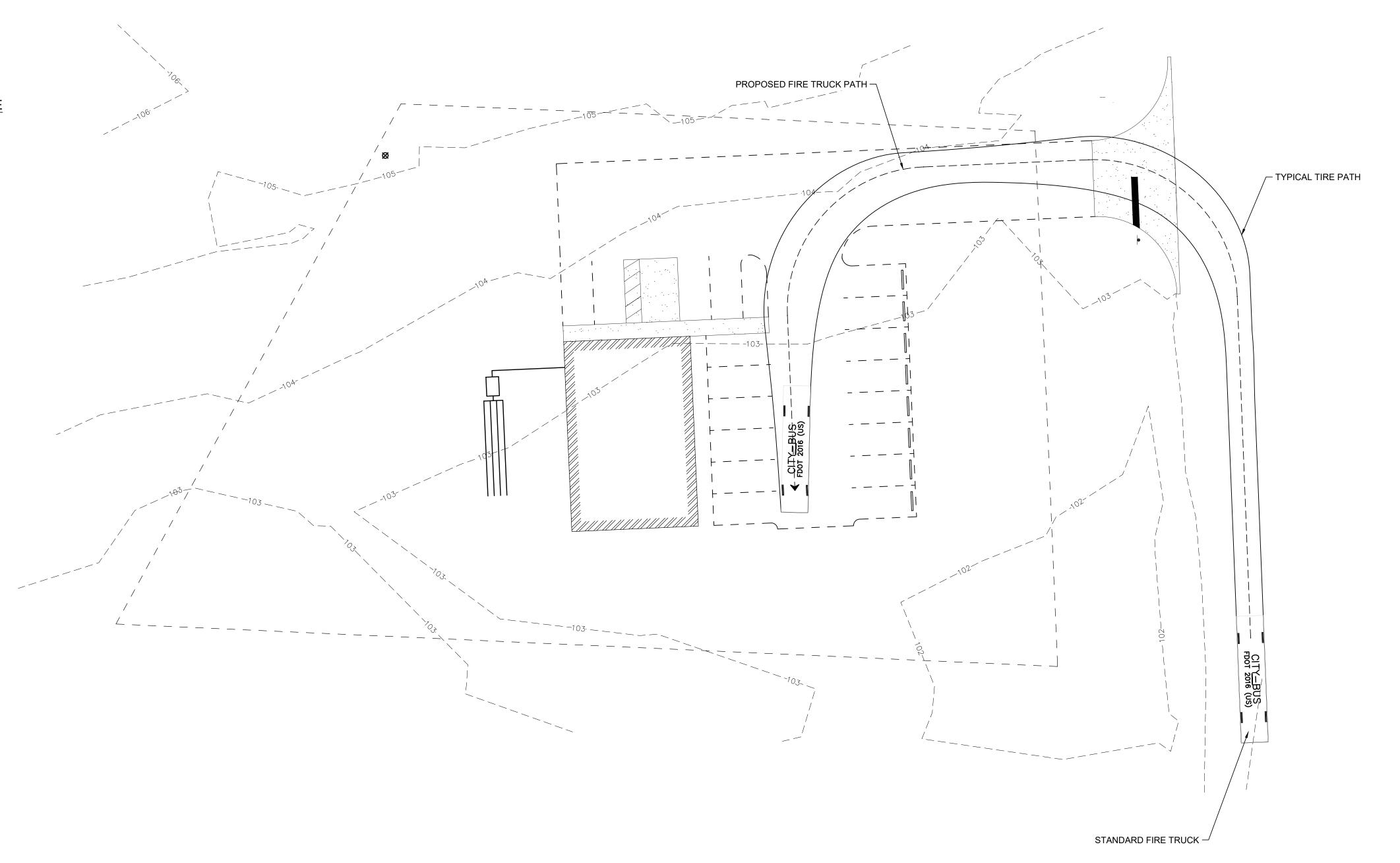


CITY-BUS

Steering Angle

: 8.50 : 8.50 Track : 6.0 Lock to Lock Time : 41.4

STANDARD FIRE TRUCK TEMPLATE



### Dewberry

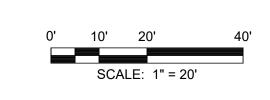
Dewberry Engineers Inc. 654 S.E. Baya Drive Lake City, FL 32055 386.719.9985

# HOUTREACH PROJECT TRINITY FAITH ( MINISTRIES F

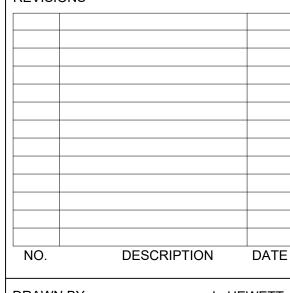
304 SW KICKLIGHTER TERRACE LAKE CITY, FL 32024

WILLIAM A. MENADIER ENGINEER OF RECORD LICENSE #74581 EB # 8794

SCALE



REVISIONS



L. HEWETT W. MENADIER APPROVED BY\_ CHECKED BY T. COVINGTON FEBRUARY 2022

AUTOTURN **ANALYSIS** 

PROJECT NO.



#### **ATTACHMENT 3**

#### STORMWATER MANAGEMENT PLAN



## TRINITY FAITH OUTREACH MINISTRIES STORMWATER REPORT

#### Professional Engineer's Certification

I hereby certify that I am a Licensed Professional Engineer in the State of Florida practicing with Dewberry Engineers Inc. and that I have supervised the preparation of and approve the evaluations, findings, opinions, conclusions, and technical advice hereby reported for:

**Project:** 

Trinity Faith Outreach Ministries

Stormwater Management Report Dewberry Project Number: 50139984

Parcel ID:

14-4S-16-02960-012

Location:

SW Kicklighter Terrace

Lake City, FL 32055

William A. Menadier, P.E. Senior Project Manager

License No. 74581

#### **Table of Contents**

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1.4	Treatment and Attenuation	3
1.5	Staging	3
1.6	Recovery	4
1.7	Conclusion	4

#### **EXHIBITS**

Exhibit 1 Project Location Map Exhibit 2 Geotech Report

Exhibit 3 Wetland Systems and Flood Zone Maps

#### APPLICATIONS, CALCULATION & DOCUMENTATION

Section 1 Treatment Volume & Recovery Calculations

Section 2 ICPR Stormwater Model Results



#### Introduction

#### **G.1** General Project Introduction

Trinity Faith Outreach Ministries is proposing to construct a new 2400 SF church building including a sidewalk and required parking, in Columbia County, FL. (See **Exhibit 1 – Project Location Map**). The existing site is a vacant cleared lot. The proposed project will use one stormwater management facility to treat and attenuate all eight 100 year storm events.

The site is identified by parcel #02960-012, based on Columbia County Property Appraiser data. The composition of the site is grass cover.

#### **G.2** Design Criteria

The total project area for the proposed development is approximately 1.26 acres, of which approximately .5 acres is being developed. This area is composed of one distinct pre-basin. The area consists of hydrologic group A soils (see **Exhibit 2 – Geotechnical Engineering Report**). Since the project area is in good condition and comprised of grasses, the curve number is assumed to be 49 to account for existing conditions onsite.

Stormwater management for the proposed basin will be accomplished by constructing one dry retention pond onsite. The facility will be shown to attenuate the critical storm event(s). Furthermore, the treatment calculations will be presented which verify sufficient treatment volume to account for 1-inch of rainfall over the site.

Interconnected Channel and Pond Routing (ICPR) software was used to perform the Stormwater Volume Calculations required. Drainage networks were also established in ICPR which modeled the collection of onsite runoff to the stormwater management facility.

#### **G.3** Wetland Systems and Flood Zones

Based on the attached National Wetlands Inventory map (Exhibit 3 – Wetland Systems and Flood Zones), there are no wetlands located onsite.

The FEMA Flood Insurance Rate Map for the proposed project indicates that this project is located entirely within Zone X. Map Number 12023C0293D, effective 11/2/2019 is provided for your reference. (Exhibit 3 – Wetland Systems and Flood Zones)

THE FOLLOWING REPORT DETAILS THE METHODOLOGIES, DECISIONS, AND CALCULATIONS USED TO DEMONSTRATE STORMWATER COMPLIANCE FOR THIS PROJECT.



#### **Stormwater Management Facilities**

#### 1.1 Site Soil Conditions

A geotechnical investigation of the site was performed by Cal-Tech Testing Inc., See Geotech Report (Exhibit 2 – Geotechnical Engineering Report). Based on the data, groundwater elevations were assumed to be 4.5' feet below the existing grade.

**Table 1: SWMF Estimated Water Table Elevations** 

Boring No.	Pond No. 1	Approximate Existing Ground EL.	Depth to SHGWT	SHGWT	Bottom of Pond EL.
B-1	Pond-1	102	4.5	97.5	100

Classification of the onsite soils was determined based on the Geotech Report (see **Exhibit 2**) and was confirmed by the hydrogeologic classification of the in-situ soils. As described in the introductory section, existing soils are classified as hydrologic group A. Since the existing site is hydrologic group A, in good condition and comprised of approximately 100% grass cover, the curve number is assumed to be 49.

It was determined that final soil conditions will have the following separate categories:

- 1. Grass/Sodded Cover Curve Number 39
- 2. Concrete & Asphalt Impervious Area Curve Number 98
- 3. SWMF Area Curve Number 100

Using these criteria, a final curve number was determined for the developed area based on the layout of the building, parking, entrance drives, and the stormwater management facility. The curve number used for the ICPR modeling is a composite number based on the impervious areas for the post boundary.

**Table 2: SWMFs Post Development Curve Numbers** 

Basin		Composite			
	Pervious	Curve No.			
CN	39	98	100	Total	57
B-1	0.812	0.288	0.16	1.26	57

#### 1.2 Stormwater Management Facility Characteristics

The design of the retention facilities was determined by examining the runoff generated over the site. The following parameters defined the constraints used to size and layout the stormwater system:

#### SWMF No. 1 (Basin 1 – Dry Pond)

Pond - Top Elevation = 103.2-ft

Pond – Bottom Elevation = 100-ft

Based on these criteria and the hydrogeological information presented above, the following facility characteristics were selected:

1. Rectangular Sodded Weir, 4' Wide Bottom @ Control Elevation 102.2



#### **1.3** Time of Concentration

Individual time of concentration was not computed for the pre or post development drainage area and was assumed to be 10-minutes for modeling purposes due to the nature of the existing site.

#### 1.4 Treatment and Attenuation

The information previously discussed was used to compile an operable ICPR model of the drainage and stormwater facility. The system was sized for its respective drainage basin with minimal losses to offsite areas.

The stormwater facilities were designed based on SRWMD criteria; runoff from 1-inch of rainfall over the contributing area. The required treatment volume for the facilities were determined based on the following methodology:

Treatment vol. from 1-inch of rainfall = (C) (1-inch) (Project Contributing Area)

C = [(Impervious Area x Cimpervious) + (Detention Area x Cpond) + (Pervious Area x Cpervious)] / Total

Project Area

In comparison to:

Treatment vol. from 0.5-inch of run-off = (0.5-inch) (Basin Area)

Therefore, the larger value is the volume required for treatment. Please see **Section 1 – Stormwater Volume Calculations** for the treatment volume required for the stormwater management facility. All treatment will be accomplished within the pond prior to outfall.

	Treatment Volume
SWMF	Elevation
	100.62

As previously discussed, the existing facilities were modeled using ICPR software to treat and attenuate the critical storm event (see **Section 2 – ICPR Stormwater Model Results**). The analysis shows that the stormwater management systems successfully attenuate the critical storm event(s) per SRWMD. The model includes existing and proposed improvements. Please see the attached ICPR report for further information on the performance of the stormwater management system.

#### 1.5 Staging & Discharge

The proposed stormwater systems allow staging in order to provide attenuation. This staging is limited in the design events to 1' below the top of pond elevation. Discharge is measured in CFS and the requirement is that the post discharge cannot be greater than the pre development discharge. See tables on next sheet and ICPR Report proving that these requirements are met.

**Table 4: Maximum Stage Elevations** 

Storm Event	100YR	100YR	100YR	100YR	100YR	100YR	100YR	100YR
	1HR	2HR	4HR	8HR	24HR	72HR	168HR	240HR
Max Stage Elevation	101.49	101.78	102.0	102.17	102.2	102.2	102.2	102.2

Since the maximum stage elevations never exceeds Elevation 102.2 (1 foot freeboard), the pond successfully retains the onsite runoff.



**Table 4: Discharge** 

Storm Event	100YR 1HR	100YR 2HR	100YR 4HR	100YR 8HR	100YR 24HR	100YR 72HR	100YR 168HR	100YR 240HR
Pre Discharge	0.35	0.47	0.67	0.67	0.37	0.52	0.40	0.53
Post Discharge	0	0	0	0	0.25	0.51	0.38	0.51

Since each storms events post discharge is not greater than the pre discharge, the pond meets the discharge requirement.

#### 1.6 Recovery

Per the SRWMD requirements, stormwater recovery should not exceed 72-hours for dry retention facilities (dry ponds). With an applied Factor of Safety, the pond should recover within 72-hours. As shown in **Table 5** below, the dry pond successfully recovers within 72-hours.

Table 5: Recovery

SWMF	Recovery Time
Pond-1	5 HR

Water quantity recovery requirements:

- 1. One-half of the total volume within seven days following the end of the design storm event, and
- 2. The total volume within 30 days following the end of the design storm event.

The 100 YR 240HR is the Design Storm for this event. The 7 Day & 30 Day slug loads were modeled to meet the water quantity recovery requirements. See table below for stages and recovery time.

**Table 6: Recovery** 

100YR 240HR	Stage	Recovery
30 Day	102.2	150 hours
7 Day	101.25	25 hours

Please see the attached **Section 1 – Stormwater Volume Calculations** and ICPR Report for further information.

#### 1.7 Conclusion

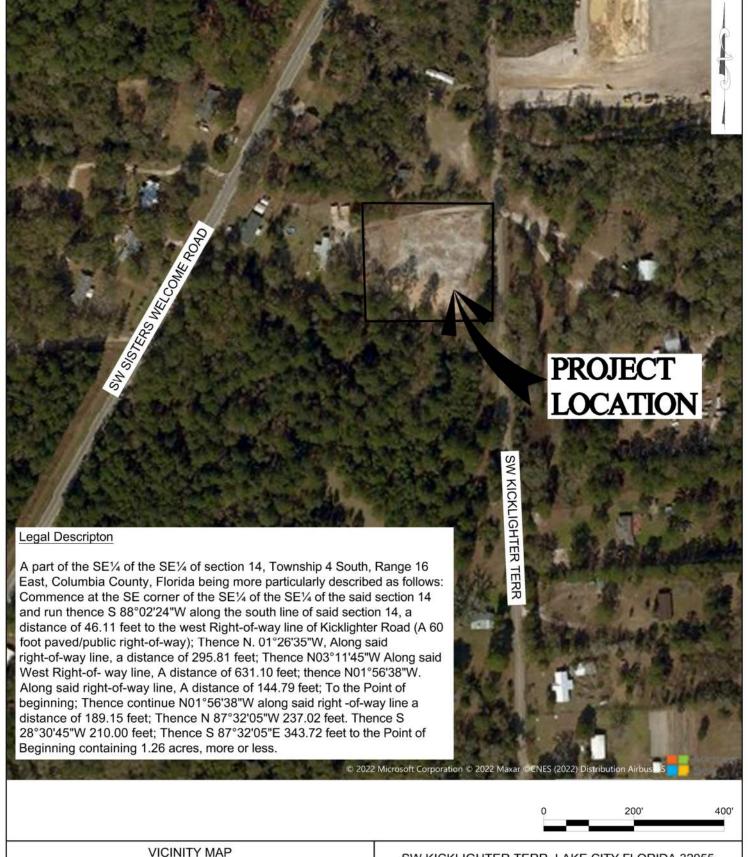
The stormwater management facilities described in the preceding sections were designed to operate within the requirements and constraints mandated by SRWMD and Columbia County. As described herein, the retention systems successfully meet these criteria and will provide efficient treatment of onsite stormwater runoff.



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#### **EXHIBIT 1**

**LOCATION MAP** 



SW KICKLIGHTER TERR, LAKE CITY FLORIDA 32055

TRINITY FAITH OUTREACH MINISTRIES
COLUMBIA COUNTY, FLORIDA

DEWBERRY ENGINEERS, INC.

Project No.: 50149537 Sheet No.: Dewberry

#### **EXHIBIT 2**

**GEOTECH REPORT** 



#### Cal -Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental
   LABORATORIES

P.O. Box 1625 • Lake City, FL 32056 Tel. (386) 755-3633 • Fax (386) 752-5456

7540 103<sup>rd</sup> Street, Suite 215, Jacksonville, FL 32210 Tel<sub>1</sub> (904) 381-8901 • Fax (904) 381-8902

March 16, 2022

Mr. Logan Hewett Dewberry, Inc. 654 Southeast Baya Drive Lake City, Florida 32025

RE: Geotechnical Engineering Exploration & Soil Field Permeability Testing Report
Trinity Faith Outreach Ministries Development-Stormwater Retention Pond Lake City, Florida
Cal-Tech Testing Inc. Project No. 22-00053-01

Dear Mr. Logan Hewett:

This report presents the results of our geotechnical engineering exploration and soil field permeability testing for the Trinity Faith Outreach Ministries Development retention pond in Lake City, Florida.

The purposes of the exploration were to determine the general subsurface soil conditions including the permeability parameters at the retention pond location.

#### SITE & PROJECT INFORMATION

Based on information provided to us, a stormwater retention pond is planned as part of the development of the vacant and cleared portion of land by SW Kicklighter Terrace.

#### **SUBSURFACE SOIL EXPLORATION**

As requested, our subsurface soil exploration was performed on March 15, 2022, and consisted of drilling one (1), 20-ft deep, Standard Penetration Test (SPT) borings (B1) and performing one (1) field soil permeability test next to the boring. The boring location was provided by you and the coordinates recorded by our crew using a hand-held GPS device. Refer to the enclosed Boring Location Plan and Boring Log.

We contacted Sunshine State One Call of Florida to mark out existing, known underground utilities prior to the beginning of our field exploration.

The SPT boring was advanced using continuous-flight auger and manual hammer. The split-spoon sampling was performed continuously in the upper 10 ft. and at 5 ft. intervals

Geotechnical Engineering Exploration & Soil Field Permeability Testing Report Trinity Faith Outreach Ministries Development-Stormwater Retention Pond Lake City, Florida Cal-Tech Testing, Inc. Project No. 22-00053-01

thereafter to the termination depth of the boring. The penetration test was performed by driving a 2-inch O.D. split spoon sampler with the hammer falling 30 inches. The number of hammer blows required to drive the sampler a total of 24 inches (upper 10 ft.) and 18 inches in 6-inch increments were recorded in boring log. The penetration resistance, N-values, is the summation of the second and third 6-inch increments and is used to derive soil engineering parameter indexes from empirical correlations. The borehole was backfilled with soil cuttings at completion.

All soil samples were delivered to our geotechnical laboratory for their review and visual classification by our geotechnical engineer.

The field soil permeability test was performed using a casing driven 0.5 ft. from the bottom of 3 ft. deep hand-augered borehole. During the tests and after soil saturation we recorded the volume required to keep water at the top of the casing at 5 minutes intervals for 30 minutes.

#### **SUBSURFACE SOIL CONDITIONS**

#### GENERALIZED SUBSURFACE SOIL PROFILE

The generalized subsurface soil profile inferred from the results of the subsurface soil exploration consists of a 5 ft. thick SAND stratum underlain by SILTY SAND to a depth of 16 ft. and CLAYEY SAND to the explored depth, thereafter.

Details of the subsurface soil profile including the N-values are shown in the enclosed boring logs.

#### Groundwater

No groundwater was encountered while drilling the boring. The USDA NRCS indicates groundwater between depths 42 inches and 72 inches from natural levels.

Typical soil particles coated with iron-oxide yellowish color observed first at a depth of 4.5 ft. appear to indicate the Seasonal High Groundwater Table (SHGWT) at the boring location.

#### **SOIL PERMEABILITY**

Analyses of the data obtained during the field soil permeability test indicate the following results:

Test Location	- Hydronio Conductivity		Suggested Horizontal Soil Hydraulic Conductivity (Kh) (ft/day)			
B1	3.0	5.6	12.7			

The averaged SAND stratum fillable porosity at the boring location is estimated at 30%. The confining SILTY SAND stratum was encountered at a depth of 5 ft.

Geotechnical Engineering Exploration & Soil Field Permeability Testing Report Trinity Faith Outreach Ministries Development-Stormwater Retention Pond Lake City, Florida Cal-Tech Testing, Inc. Project No. 22-00053-01

Based on the estimated SHGWT and the USDA NRCS Hydrology National Engineering Handbook criteria, the explored soils at B1 could be assigned a Hydrologic Soil Group (HSG) "A"

#### **LIMITATIONS**

Information on subsurface strata shown on the boring log represent conditions encountered only at the location and depths indicated and at the time of the exploration.

#### **CLOSURE**

It has been a pleasure working with you and we look forward to continuing our work on this project.

Mike Stalvey, J Vice-President

Sincerely,

Cal-Tech Testing, Inc.

Ivan E. Marcano, MSCE, P.E.

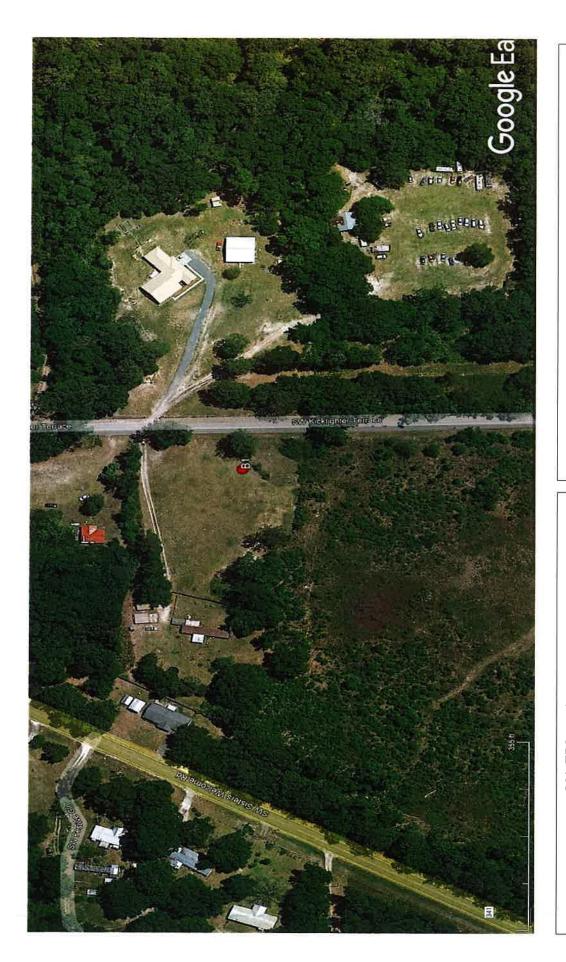
St Geotechnical Engineer

Enclosures: SIONAL

Boring Location Plan

Boring Logs

3



CAL-TECH TESTING, INC. P.O. BOX 1625

Lake City, Florida 32056-1625 Phone: (386) 755-3633 Fax: (386) 752-5456

**BORING LOCATION PLAN** 

Trinity Faith Outreach Ministries Development-Stormwater **Retention Pond** 

Lake City, Florida

## Cal-Tech Testing, Inc. 3309 SR 247 Lake City, FL 32024 Telephone: 386-755-3633 Fax: 386-755-3633

### BORING NUMBER B1 PAGE 1 OF 1

A.GP		IT Dewberry	_	NDO :==			430						
FLORIDA	PROJ		Col. III. Colori Partir										
			PROJECT LOCATION Lake City, Florida										
E CITY,	DATE STARTED 3/15/22 COMPLETED 3/15/22												
LAKE		ING CONTRACTOR Cal-Tech Testing, Inc.  ING METHOD Rotary Mud Drilling/SPT											
POND,		ED BY B.S. CHECKED BY I.M.											
NO P	i	S Elev. refered to ground surface	<del></del>										
ENTI	11012	Elev. Telefed to grading surface		AFTER DRILLING SAMPLE DATA									
REI				Ä	-			DATA					
ROGRAM FILES (X86)/GINTIPROJECTS/TRINITY FAITH OUTREACH MINISTRIES DEVELOPEMNT-STORMWATER RETENTION	(tt)	MATERIAL DESCRIPTION	SYMBOL	DEPTH SCALE (ft)	NUMBER	TYPE	RECOVERY (%) (RQD) %	BLOW COUNTS (N VALUE)	REMARKS  (DRILLING FLUID, DEPTH OF CASING, FLUID LOSS, DRILLING RESISTANCE, ETC.)				
ES DEVELOPEN		(SP) Gray <b>SAND</b>		2_	1	ss	75	1-2-2-2 (4)	Boring Location Coordinates: N30°08'10.86" W82°40'34.13" SS=Split Spoon sampler				
EACH MINISTRI				4_4	2	SS	71	1-2-1-1 (3)					
WTH OUTR	-5	(SM) Gray <b>SILTY SAND</b> with yellowish brown mottles		6_	3	ss	63	3-3-6-7 (9)	Sample moist at 5 ft.				
CTS/TRINITY FA	a a			8_	4	ss	63	7-12-12-13 (24)					
)/GINT/PROJEC	-10			10_	5	SS	67	8-12-13-15 (25)					
JGRAM FILES (X86				12_									
/15/22 15:23 - C:/PR	-15			14_	6	ss	94	8-11-14 (25)					
EST UPDATE.GDT - :				16  18									
ENTRY LATE	-20	(SC) Gray CLAYEY SAND with yellowish brown mottles		20	7	ss	78	4-5-7 (12)					
GEOTECH BH COLUMNS - DATA ENTRY LATEST UPDATE.GDT - 3/15/22 15:23 - C./P		Bottom of borehole at 20.0 feet.											

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#### **EXHIBIT 3**

## WETLAND SYSTEMS & FLOOD ZONES

#### National Flood Hazard Layer FIRMette

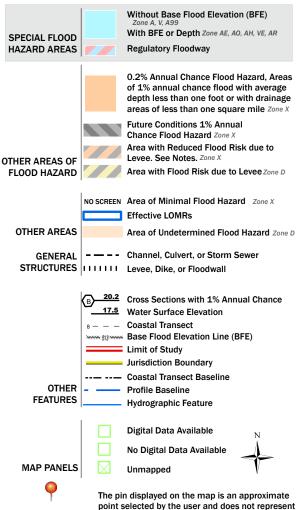


Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



#### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/7/2022 at 10:29 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

#### **Trinity Faith Outreach Ministries**



March 7, 2022

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

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#### **SECTION 1**

## TREATMENT VOLUME CALCULATIONS

Proposed Rate Control Facility Design									
Stage vs. Area/Volume for Treatment									
Elev.	Area (S.F.)	Area (Ac.)	Inc. Vol.	Sum. Vol.	Vol. Ac-ft				
100.00	3,223	0.07400	0	0	0.000				
101.00	4,356	0.10000	3,738	3,738	0.086				
102.00	5,576	0.12800	4,904	8,642	0.198				
103.20	6,970	0.16000	7,437	16,078	0.369				

1. Treatment Ele.= 100.62 ft 2. Treatement Volume = 2,310.86 cf

**Drainage Area:** 1.260 Ac.

This if for treament of the new area.

#### <u>Treatment Volume Calculation (1.0" of Treatment)</u>

Treatment Volume= Cx1inchx Contributing Area C= 0.51

Area Draining to Pond = 54,886 square feet
Treatment Vol. Rqd. = 2,311 cubic feet
Treatment Vol provided at El = 100.62 feet

#### <u>Treatment Volume Calculation (0.5" of Treatment)</u>

Treatment Volume= 0.5 inx Contributing Area

Area Draining to Pond = 54,886 square feet
Treatment Vol. Rqd. = 2,287 cubic feet
Treatment Vol provided at El = 100.61 feet

Proposed Rate Control Facility Design Stage vs. Area/Volume for Treatment								
Elev.	Area (S.F.)	Area (Ac.)	Inc. Vol.	Sum. Vol.	Vol. Ac-ft			
100.00	3,223.44	0.07	0	0	0			
101.00	4,356.00	0.10	3,737.78	3,737.78	0.09			
102.00	5,575.68	0.13	4,903.78	8,641.56	0.20			
103.20	6,969.60	0.16	7,436.52	16,078.08	0.37			

Proposed Rate Control Facility Design Stage vs. Area/Volume for Treatment								
Elev.		Area (Ac.)		Sum. Vol.	Vol. Ac-ft			
100.00	3,223.44	0.07	0	0	0			
101.00	4,356.00	0.10	3,737.78	3,737.78	0.09			
102.00	5,575.68	0.13	4,903.78	8,641.56	0.20			
103.20	6,969.60	0.16	7,436.52	16,078.08	0.37			

1hr	Max Stage	101.49	feet	1/2 Volume Max Stage	3,070	cubic feet
	Volume at Max Stage	6,140.63	cubic feet	Pond Stage	100.82	feet
2hr	Max Stage	101.78	feet	1/2 Volume Max Stage	3,781	cubic feet
	Volume at Max Stage	7.562.73	cubic feet	Pond Stage	101.01	feet
4hr	Max Stage	102.00	feet	1/2 Volume Max Stage	4,321	cubic feet
	Volume at Max Stage	8,641.56	cubic feet	Pond Stage	101.12	feet
8hr	Max Stage	102.17	feet	1/2 Volume Max Stage	4,848	cubic feet
	Volume at Max Stage	9,695.07	cubic feet	Pond Stage	101.23	feet
24hr	Max Stage	102.20	feet	1/2 Volume Max Stage	4,940	cubic feet
	Volume at Max Stage	9,880.98	cubic feet	Pond Stage	101.25	feet
72hr	Max Stage	102.20	feet	1/2 Volume Max Stage	4,940	cubic feet
	Volume at Max Stage	9,880.98	cubic feet	Pond Stage	101.25	feet
168hr	Max Stage	102.20	feet	1/2 Volume Max Stage	4,940	cubic feet
	Volume at Max Stage	9,880.98	cubic feet	Pond Stage	101.25	feet
240hr	Max Stage	102.20	feet	1/2 Volume Max Stage	4,940	cubic feet
	Volume at Max Stage	9,880.98	cubic feet	Pond Stage	101.25	feet

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### **SECTION 2**

# ICPR STORMWATER MODEL RESULTS

#### Curve Number: Curve Nos [Set]

Land Cover Zone	Soil Zone	Curve Number [dec]
Imp- Concrete	Imp-Concrete	98.0
Perv-A POST	Perv-A POST	39.0
Perv-A PRE	Perv-A PRE	49.0
SWMF-A	SWMF-A	100.0

Manual Basin: Post-Con

Scenario: Scenario1

Node: SWMF

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 1.2600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient	Reference ET
				Zone	Station
0.2880	Imp- Concrete	Imp-Concrete			
0.8120	Perv-A POST	Perv-A POST			
0.1600	SWMF-A	SWMF-A			

Comment:

Manual Basin: Pre Con

Scenario: Scenario1

Node: PRE Boundary

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number
Time of Concentration: 50.0000 min
Max Allowable Q: 999999.00 cfs
Time Shift: 0.0000 hr

Unit Hydrograph: UH323
Peaking Factor: 323.0
Area: 1.2600 ac

	Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name	Crop Coefficient Zone	Reference ET Station
Ī	1.2600	Perv-A PRE	Perv-A PRE			

Comment:

#### Node: Ground

Scenario: Scenario1 Type: Time/Stage Base Flow: 0.00 cfs Initial Stage: 97.50 ft Warning Stage: 97.50 ft

Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	97.50
0	0	0	999.0000	97.50

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface
		Stage [ft]	[ft]	Delta Stage	Inflow [cfs]	Outflow [cfs]	Area [ft2]
				[ft]			
Ground	100yr 001hr	97.50	97.50	0.0000	0.16	0.00	0
Ground	100yr 002hr	97.50	97.50	0.0000	0.17	0.00	0
Ground	100yr 004hr	97.50	97.50	0.0000	0.18	0.00	0
Ground	100yr 008hr	97.50	97.50	0.0000	0.19	0.00	0
Ground	100yr 024hr	97.50	97.50	0.0000	0.11	0.00	0
Ground	100yr 072hr	97.50	97.50	0.0000	0.11	0.00	0
Ground	100yr 168hr	97.50	97.50	0.0000	0.06	0.00	0
Ground	100yr 240hr	97.50	97.50	0.0000	0.11	0.00	0

#### Node: POST Boundary

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 102.00 ft
Warning Stage: 103.00 ft

Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	102.00
0	0	0	999.0000	102.00

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POST Boundary	100yr 001hr	103.00	102.00	0.0000	0.00	0.00	0
POST Boundary	100yr 002hr	103.00	102.00	0.0000	0.00	0.00	0
POST Boundary	100yr 004hr	103.00	102.00	0.0000	0.00	0.00	0
POST Boundary	100yr 008hr	103.00	102.00	0.0000	0.00	0.00	0
POST Boundary	100yr 024hr	103.00	102.00	0.0000	0.25	0.00	0
POST Boundary	100yr 072hr	103.00	102.00	0.0000	0.51	0.00	0
POST Boundary	100yr 168hr	103.00	102.00	0.0000	0.38	0.00	0
POST Boundary	100yr 240hr	103.00	102.00	0.0000	0.51	0.00	0

Node: PRE Boundary

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 102.00 ft
Warning Stage: 103.00 ft

Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	102.00
0	0	0	999.0000	102.00

Comment:	ı

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PRE Boundary	100yr 001hr	103.00	102.00	0.0000	0.35	0.00	0
PRE Boundary	100yr 002hr	103.00	102.00	0.0000	0.47	0.00	0
PRE Boundary	100yr 004hr	103.00	102.00	0.0000	0.67	0.00	0
PRE Boundary	100yr 008hr	103.00	102.00	0.0000	0.67	0.00	0
PRE Boundary	100yr 024hr	103.00	102.00	0.0000	0.37	0.00	0
PRE Boundary	100yr 072hr	103.00	102.00	0.0000	0.52	0.00	0
PRE Boundary	100yr 168hr	103.00	102.00	0.0000	0.40	0.00	0

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PRE Boundary	100yr 240hr	103.00	102.00	0.0000	0.53	0.00	0

Node: SWMF

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 100.00 ft
Warning Stage: 103.20 ft

Stage [ft]	Area [ac]	Area [ft2]
100.00	0.0740	3223
101.00	0.1000	4356
102.00	0.1280	5576
103.20	0.1600	6970

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface
		Stage [ft]	[ft]	Delta Stage	Inflow [cfs]	Outflow [cfs]	Area [ft2]
				[ft]			
SWMF	100yr 001hr	103.20	101.49	0.0010	3.70	0.16	4957
SWMF	100yr 002hr	103.20	101.78	0.0010	2.73	0.17	5312
SWMF	100yr 004hr	103.20	102.00	0.0010	1.44	0.18	5581
SWMF	100yr 008hr	103.20	102.17	0.0010	1.75	0.19	5775
SWMF	100yr 024hr	103.20	102.20	0.0010	0.59	0.32	5810
SWMF	100yr 072hr	103.20	102.20	0.0010	0.54	0.54	5810
SWMF	100yr 168hr	103.20	102.20	0.0007	0.40	0.40	5810
SWMF	100yr 240hr	103.20	102.20	0.0010	0.53	0.53	5810

#### Percolation Link: Perc-1

Scenario: Scenario1 Surface Area Option: Vary Based on Stage/Area

From Node: SWMF Table

To Node: Ground Vertical Flow Termination: Horizontal Flow Algorithm

 Link Count:
 1
 Perimeter 1:
 351.00 ft

 Flow Direction:
 Both
 Perimeter 2:
 665.00 ft

 Aquifer Base Elevation:
 97.50 ft
 Perimeter 3:
 3493.00 ft

 Water Table Elevation:
 97.50 ft
 Distance P1 to P2:
 50.00 ft

 Annual Recharge Rate:
 0 ipy
 Distance P2 to P3:
 450.00 ft

Horizontal Conductivity: 6.350 fpd

Vertical Conductivity:2.800 fpd# of Cells P1 to P2:10Fillable Porosity:0.300# of Cells P2 to P3:45

Layer Thickness: 2.50 ft

Comment:

#### Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg
		[cfs]		Delta Flow [cfs]	Velocity [fps]	Velocity [fps]	Velocity [fps]
Perc-1	100yr 001hr	0.16	0.00	0.01	0.00	0.00	0.00
Perc-1	100yr 002hr	0.17	0.00	0.01	0.00	0.00	0.00
Perc-1	100yr 004hr	0.18	0.00	-0.01	0.00	0.00	0.00
Perc-1	100yr 008hr	0.19	0.00	0.01	0.00	0.00	0.00
Perc-1	100yr 024hr	0.11	0.00	-0.04	0.00	0.00	0.00
Perc-1	100yr 072hr	0.11	0.00	-0.04	0.00	0.00	0.00
Perc-1	100yr 168hr	0.06	0.00	0.00	0.00	0.00	0.00
Perc-1	100yr 240hr	0.11	0.00	-0.04	0.00	0.00	0.00

#### Simulation: 100yr 001hr

Scenario: Scenario1

Run Date/Time: 3/22/2022 9:39:33 AM Program Version: ICPR4 4.07.01

#### General

Run Mode: Normal

 Year
 Month
 Day
 Hour [hr]

 Start Time:
 0
 0
 0
 0.0000

 End Time:
 0
 0
 0
 2.0000

Hydrology [sec] Surface Hydraulics Groundwater [sec] [sec]

Min Calculation Time: 60.0000 0.1000 900.0000

Max Calculation Time: 30.0000

#### Output Time Increments

#### Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

#### Restart File

Save Restart: False

#### Resources & Lookup Tables

Resources

Rainfall Folder: Reference ET Folder: Unit Hydrograph Folder: Lookup Tables

Boundary Stage Set: Extern Hydrograph Set:

Curve Number Set: Curve Nos

Green-Ampt Set: Vertical Layers Set:

Impervious Set: Imp Set

Roughness Set: Crop Coef Set: Fillable Porosity Set: Conductivity Set: Leakage Set:

#### Tolerances & Options

Time Marching: SAOR IA Recovery Time: 24.0000 hr
Max Iterations: 6 ET for Manual Basins: False

Over-Relax Weight 0.5 dec

Fact:

(2D):

dZ Tolerance: 0.0010 ft Smp/Man Basin Rain Global

Opt:

Max dZ: 1.0000 ft OF Region Rain Opt: Region Specification

Link Optimizer Tol: 0.0001 ft Rainfall Name: ~ FDOT-1
Rainfall Amount: 4.10 in

Edge Length Option: Automatic Storm Duration: 1.0000 hr

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 100 ft2

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2

(1D):

Energy Switch (2D): Energy Energy Switch (1D): Diffusive Wave

Comment:

Simulation: 100yr 002hr

Min Calculation Time:

Scenario: Scenario1

Run Date/Time: 3/22/2022 9:39:34 AM

Program Version: ICPR4 4.07.01

General

Run Mode: Normal

_	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	4.0000

 Hydrology [sec]
 Surface Hydraulics
 Groundwater [sec]

 [sec]
 60.0000
 0.1000
 900.0000

Max Calculation Time: 30.0000

#### Output Time Increments

#### Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

#### Resources & Lookup Tables

Resources

Rainfall Folder: Reference ET Folder: Unit Hydrograph Folder: Lookup Tables

Boundary Stage Set: Extern Hydrograph Set:

Curve Number Set: Curve Nos

Green-Ampt Set: Vertical Layers Set:

Impervious Set: Imp Set

> Conductivity Set: Leakage Set:

#### Tolerances & Options

Time Marching: SAOR IA Recovery Time: 24.0000 hr Max Iterations: ET for Manual Basins: False 6

Over-Relax Weight 0.5 dec

Edge Length Option: Automatic

(2D):

Fact:

dZ Tolerance: 0.0010 ft Smp/Man Basin Rain Global

Opt:

Max dZ: 1.0000 ft OF Region Rain Opt: Region Specification

Link Optimizer Tol: 0.0001 ft Rainfall Name: ~ FDOT-2

Rainfall Amount: 5.10 in Storm Duration: 2.0000 hr

Dflt Damping (2D): 0.0050 ft Dflt Damping (1D): 0.0050 ft Min Node Srf Area 100 ft2

Min Node Srf Area 100 ft2

(1D):

Energy Switch (2D): Energy Energy Switch (1D): Diffusive Wave

Comment:

Simulation: 100yr 004hr

Min Calculation Time:

Scenario: Scenario1

Run Date/Time: 3/22/2022 9:39:35 AM Program Version: ICPR4 4.07.01

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Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	8.0000

Surface Hydraulics Groundwater [sec] Hydrology [sec] [sec] 60.0000 0.1000 900.0000

Max Calculation Time: 30.0000

#### Output Time Increments

#### Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

#### Restart File

Save Restart: False

#### Resources & Lookup Tables

Resources

Rainfall Folder: Reference ET Folder: Unit Hydrograph Folder: Lookup Tables

Boundary Stage Set: Extern Hydrograph Set:

Curve Number Set: Curve Nos

Green-Ampt Set: Vertical Layers Set:

Impervious Set: Imp Set

Roughness Set: Crop Coef Set: Fillable Porosity Set: Conductivity Set: Leakage Set:

#### Tolerances & Options

Time Marching: SAOR IA Recovery Time: 24.0000 hr
Max Iterations: 6 ET for Manual Basins: False

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft Smp/Man Basin Rain Global

Opt:

Max dZ: 1.0000 ft OF Region Rain Opt: Region Specification

Link Optimizer Tol: 0.0001 ft Rainfall Name: ~FDOT-4
Rainfall Amount: 6.00 in
Edge Length Option: Automatic Storm Duration: 4.0000 hr

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 100 ft2

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2

(1D):

Energy Switch (2D): Energy Energy Switch (1D): Diffusive Wave

Comment:

(2D):

Simulation: 100yr 008hr

Min Calculation Time:

Scenario: Scenario1

Run Date/Time: 3/22/2022 9:39:37 AM

Program Version: ICPR4 4.07.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	16.0000

 Hydrology [sec]
 Surface Hydraulics
 Groundwater [sec]

 [sec]
 60.0000
 0.1000
 900.0000

Max Calculation Time: 30.0000

#### Output Time Increments

#### Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Groundwater

	Year	Month	Day	Hour [hr]	Time Increment [min]
Γ	0	0	0	0.0000	360.0000

Restart File

Save Restart: False

#### Resources & Lookup Tables

Resources

Rainfall Folder: Reference ET Folder: Unit Hydrograph Folder: Lookup Tables

Boundary Stage Set: Extern Hydrograph Set:

Curve Number Set: Curve Nos

Green-Ampt Set: Vertical Layers Set:

Impervious Set: Imp Set

> Conductivity Set: Leakage Set:

#### Tolerances & Options

Time Marching: SAOR IA Recovery Time: 24.0000 hr Max Iterations: ET for Manual Basins: False 6

Over-Relax Weight 0.5 dec

Edge Length Option: Automatic

(2D):

Fact:

dZ Tolerance: 0.0010 ft Smp/Man Basin Rain Global

Opt:

Max dZ: 1.0000 ft OF Region Rain Opt: Region Specification

Link Optimizer Tol: 0.0001 ft Rainfall Name: ~ FDOT-8

Rainfall Amount: 7.12 in Storm Duration: 8.0000 hr

Dflt Damping (2D): 0.0050 ft Dflt Damping (1D): 0.0050 ft Min Node Srf Area 100 ft2 Min Node Srf Area 100 ft2

(1D):

Energy Switch (2D): Energy Energy Switch (1D): Diffusive Wave

Comment:

Simulation: 100yr 024hr

Scenario: Scenario1

Run Date/Time: 3/22/2022 9:39:39 AM Program Version: ICPR4 4.07.01

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Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	49 0000

End Time: 48.0000

Surface Hydraulics Groundwater [sec] Hydrology [sec] [sec] Min Calculation Time: 60.0000 0.1000 900.0000

Max Calculation Time: 30.0000

#### Output Time Increments

#### Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

#### Restart File

Save Restart: False

#### Resources & Lookup Tables

Resources

Rainfall Folder: Reference ET Folder: Unit Hydrograph Folder: Lookup Tables

Boundary Stage Set: Extern Hydrograph Set:

Curve Number Set: Curve Nos

Green-Ampt Set: Vertical Layers Set:

Impervious Set: Imp Set

Roughness Set: Crop Coef Set: Fillable Porosity Set: Conductivity Set: Leakage Set:

#### Tolerances & Options

Time Marching: SAOR IA Recovery Time: 24.0000 hr
Max Iterations: 6 ET for Manual Basins: False

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft Smp/Man Basin Rain Global

Opt:

Max dZ: 1.0000 ft OF Region Rain Opt: Region Specification

Link Optimizer Tol: 0.0001 ft Rainfall Name: ~ FDOT-24
Rainfall Amount: 9.48 in
Edge Length Option: Automatic Storm Duration: 24.0000 hr

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 100 ft2

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2

(1D):

Energy Switch (2D): Energy Energy Switch (1D): Diffusive Wave

Comment:

(2D):

Simulation: 100yr 072hr

Min Calculation Time:

Scenario: Scenario1

Run Date/Time: 3/22/2022 9:39:46 AM

Program Version: ICPR4 4.07.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	144.0000

 Hydrology [sec]
 Surface Hydraulics
 Groundwater [sec]

 [sec]
 0.1000
 900.0000

Max Calculation Time: 30.0000

#### Output Time Increments

#### Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

#### Resources & Lookup Tables

Resources

Rainfall Folder: Reference ET Folder: Unit Hydrograph Folder: Lookup Tables

Boundary Stage Set: Extern Hydrograph Set:

Curve Number Set: Curve Nos

Green-Ampt Set: Vertical Layers Set:

Impervious Set: Imp Set

Conductivity Set: Leakage Set:

#### Tolerances & Options

Time Marching: SAOR IA Recovery Time: 24.0000 hr
Max Iterations: 6 ET for Manual Basins: False

Over-Relax Weight 0.5 dec

Fact:

(2D):

dZ Tolerance: 0.0010 ft Smp/Man Basin Rain Global

Opt:

Max dZ: 1.0000 ft OF Region Rain Opt: Region Specification

Link Optimizer Tol: 0.0001 ft Rainfall Name: ~ FDOT-72
Rainfall Amount: 12.40 in

Edge Length Option: Automatic Storm Duration: 72.0000 hr

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 100 ft2

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2

(1D):

Energy Switch (2D): Energy Energy Switch (1D): Diffusive Wave

Comment:

Simulation: 100yr 168hr

Scenario: Scenario1

Run Date/Time: 3/22/2022 9:40:05 AM Program Version: ICPR4 4.07.01

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Run Mode: Normal

_	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	336.0000

Hydrology [sec] Surface Hydraulics Groundwater [sec] [sec]

 Min Calculation Time:
 60.0000
 0.1000
 900.0000

 Max Calculation Time:
 30.0000

ax Calculation Time. 50.0000

#### Output Time Increments

#### Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

#### Restart File

Save Restart: False

#### Resources & Lookup Tables

Resources

Rainfall Folder: Reference ET Folder: Unit Hydrograph Folder: Lookup Tables

Boundary Stage Set: Extern Hydrograph Set:

Curve Number Set: Curve Nos

Green-Ampt Set: Vertical Layers Set:

Impervious Set: Imp Set

Roughness Set: Crop Coef Set: Fillable Porosity Set: Conductivity Set: Leakage Set:

#### Tolerances & Options

Time Marching: SAOR IA Recovery Time: 24.0000 hr
Max Iterations: 6 ET for Manual Basins: False

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft Smp/Man Basin Rain Global

Opt:

Max dZ: 1.0000 ft OF Region Rain Opt: Region Specification

Link Optimizer Tol: 0.0001 ft Rainfall Name: ~ FDOT-168
Rainfall Amount: 14.00 in

Edge Length Option: Automatic Storm Duration: 168.0000 hr

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 100 ft2

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2

(1D):

Energy Switch (2D): Energy Energy Switch (1D): Diffusive Wave

Comment:

(2D):

#### Simulation: 100yr 240hr

Min Calculation Time:

Max Calculation Time:

Scenario: Scenario1

Run Date/Time: 3/22/2022 9:40:47 AM

Program Version: ICPR4 4.07.01

#### Genera

Run Mode: Normal

_	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	480.0000

#### Output Time Increments

#### Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

#### Restart File

Save Restart: False

#### Resources & Lookup Tables

#### Resources

Rainfall Folder: Reference ET Folder: Unit Hydrograph Folder:

#### Lookup Tables

Boundary Stage Set: Extern Hydrograph Set:

Curve Number Set: Curve Nos

Green-Ampt Set: Vertical Layers Set:

Impervious Set: Imp Set

Conductivity Set: Leakage Set:

#### Tolerances & Options

Time Marching: SAOR IA Recovery Time: 24.0000 hr
Max Iterations: 6 ET for Manual Basins: False

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft Smp/Man Basin Rain Global

Opt:

Max dZ: 1.0000 ft OF Region Rain Opt: Region Specification

Link Optimizer Tol: 0.0001 ft Rainfall Name: ~ FDOT-240

Edge Length Option: Automatic Rainfall Amount: 16.10 in Storm Duration: 240.0000 hr

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 100 ft2

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2

(2D): (1D):

Energy Switch (2D): Energy Energy Switch (1D): Diffusive Wave

Comment:

#### Simulation: Slug Load

Min Calculation Time:

Scenario: Scenario1

Run Date/Time: 3/22/2022 9:21:19 AM

Program Version: ICPR4 4.07.01

#### General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	72.0000

 Hydrology [sec]
 Surface Hydraulics
 Groundwater [sec]

 [sec]
 60.0000
 0.1000
 900.0000

Max Calculation Time: 30.0000

#### Output Time Increments

#### Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

#### Restart File

Save Restart: False

#### Resources & Lookup Tables

#### Resources

Rainfall Folder: Reference ET Folder: Unit Hydrograph Folder:

#### Lookup Tables

Boundary Stage Set: Extern Hydrograph Set:

Curve Number Set: Curve Nos

Green-Ampt Set: Vertical Layers Set:

Impervious Set: Imp Set

> Conductivity Set: Leakage Set:

#### Tolerances & Options

Time Marching: SAOR IA Recovery Time: 24.0000 hr Max Iterations: 6 ET for Manual Basins: False

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft Smp/Man Basin Rain Global

Opt:

OF Region Rain Opt: Max dZ: 1.0000 ft Global

Link Optimizer Tol: 0.0001 ft Rainfall Name:

Rainfall Amount: 0.00 in

Edge Length Option: Automatic Storm Duration: 72.0000 hr

Dflt Damping (2D): 0.0050 ft Dflt Damping (1D): 0.0050 ft Min Node Srf Area 100 ft2

Min Node Srf Area 100 ft2 (2D):

(1D):

Energy Switch (2D): Energy Energy Switch (1D): Energy

Comment:

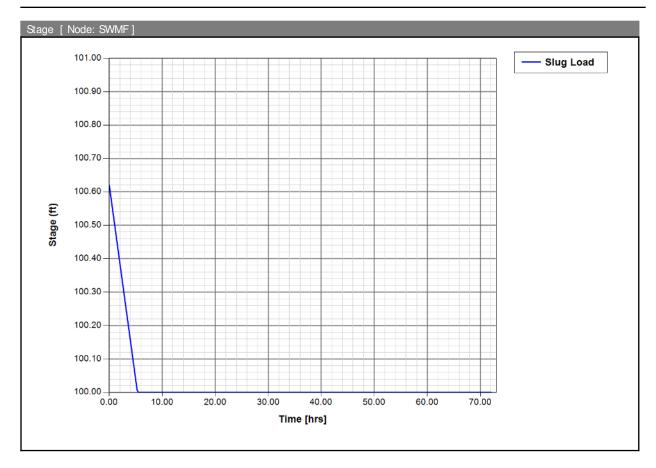
Node: Ground

Scenario: Scenario1 Type: Time/Stage Base Flow: 0.00 cfs Initial Stage: 97.50 ft Warning Stage: 97.50 ft

Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	97.50
0	0	0	999.0000	97.50

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#### Simulation: Slug 7day

Min Calculation Time:

Max Calculation Time:

Scenario: Scenario1

Run Date/Time: 3/22/2022 11:32:34 AM

Program Version: ICPR4 4.07.01

#### Genera

Run Mode: Normal

_	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	168.0000

#### Output Time Increments

#### Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

#### Restart File

Save Restart: False

#### Resources & Lookup Tables

#### Resources

Rainfall Folder: Reference ET Folder: Unit Hydrograph Folder:

#### Lookup Tables

Boundary Stage Set: Extern Hydrograph Set:

Curve Number Set: Curve Nos

Green-Ampt Set: Vertical Layers Set:

Impervious Set: Imp Set

Conductivity Set: Leakage Set:

#### Tolerances & Options

Time Marching: SAOR IA Recovery Time: 24.0000 hr
Max Iterations: 6 ET for Manual Basins: False

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft Smp/Man Basin Rain Global

Opt:

Max dZ: 1.0000 ft OF Region Rain Opt: Global

Link Optimizer Tol: 0.0001 ft Rainfall Name:

Rainfall Amount: 0.00 in

Edge Length Option: Automatic Storm Duration: 168.0000 hr

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 100 ft2

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2

(2D): (1D):

Energy Switch (2D): Energy Energy Switch (1D): Energy

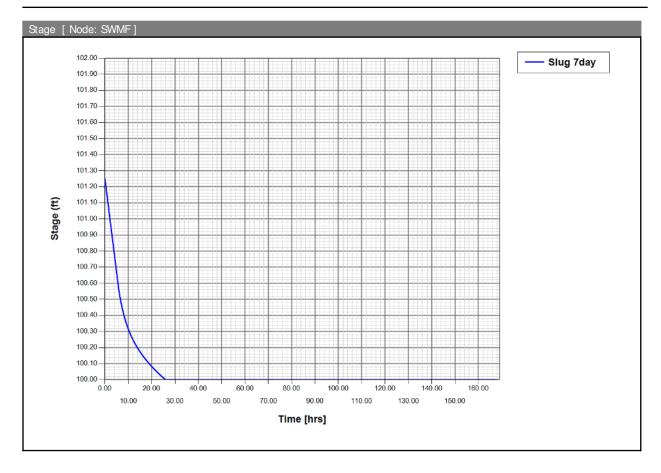
Comment:

Node: SWMF

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 101.25 ft
Warning Stage: 103.20 ft

Stage [ft]	Area [ac]	Area [ft2]
100.00	0.0740	3223
101.00	0.1000	4356
102.00	0.1280	5576
103.20	0.1600	6970

Comment:



Simulation: Slug 30day

Min Calculation Time:

Scenario: Scenario1

Run Date/Time: 3/22/2022 10:30:22 AM

Program Version: ICPR4 4.07.01

General

Run Mode: Normal

_	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	720.0000

 Hydrology [sec]
 Surface Hydraulics
 Groundwater [sec]

 [sec]
 60.0000
 0.1000
 900.0000

Max Calculation Time: 30.0000

#### Output Time Increments

#### Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

#### Groundwater

Y	'ear	Month	Day	Hour [hr]	Time Increment [min]
0		0	0	0.0000	360.0000

Restart File

Save Restart: False

#### Resources & Lookup Tables

Resources

Rainfall Folder: Reference ET Folder: Unit Hydrograph Folder: Lookup Tables

Boundary Stage Set: Extern Hydrograph Set:

Curve Number Set: Curve Nos

Green-Ampt Set: Vertical Layers Set:

Impervious Set: Imp Set

Conductivity Set: Leakage Set:

#### Tolerances & Options

Time Marching: SAOR IA Recovery Time: 24.0000 hr
Max Iterations: 6 ET for Manual Basins: False

Over-Relax Weight 0.5 dec

Fact:

dZ Tolerance: 0.0010 ft Smp/Man Basin Rain Global

Opt:

Max dZ: 1.0000 ft OF Region Rain Opt: Global

Link Optimizer Tol: 0.0001 ft Rainfall Name:

Rainfall Amount: 0.00 in

Edge Length Option: Automatic Storm Duration: 720.0000 hr

Dflt Damping (2D): 0.0050 ft
Min Node Srf Area 100 ft2

Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2

(2D): (1D):

Energy Switch (2D): Energy Energy Switch (1D): Energy

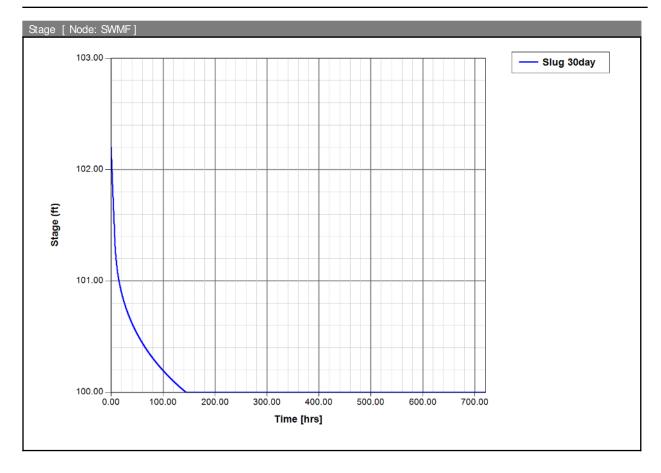
Comment:

Node: SWMF

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 101.25 ft
Warning Stage: 103.20 ft

Stage [ft]	Area [ac]	Area [ft2]
100.00	0.0740	3223
101.00	0.1000	4356
102.00	0.1280	5576
103.20	0.1600	6970

Comment:





### **ATTACHMENT 4**

### FIRE DEPARTMENT ACCESS AND WATER SUPPLY DEMAND



#### **Determination of Needed Fire Flow**

$$NFF_i = (C_i) (O_i) [1.0 + (X + P)_i]$$

Step 1: Determine predominant construction type and associated factor (F)

F = 0.8 for Construction Class 3 (Non-Combustible)

Step 2: Determine the effective area (A)

$$A = 2400 SF + (50\% x Area of all other Floors)$$

$$A = 2400 \text{ SF} + (0.50 \text{ x 0}) = 2400 \text{ SF}$$

Step 3: Substituting the values for "F" and "A" into the formula  $C = 18F\sqrt{A}$  and calculate the construction factor C

$$C = 18(0.8)\sqrt{(2400)} = 705.5 \text{ gpm}$$

Step 4: Round the construction factor (C) to the nearest 250 gpm

$$C = 750 \text{ gpm (rounded)}$$

Step 5: Determine the predominant occupancy type and the associated factor (O)

Occupancy Combustibility Class C-2 (Limited Combustibility)

$$O = 0.85$$

Step 6: Determine the exposure building factor (X)

$$X = o$$
 (No Exposure)

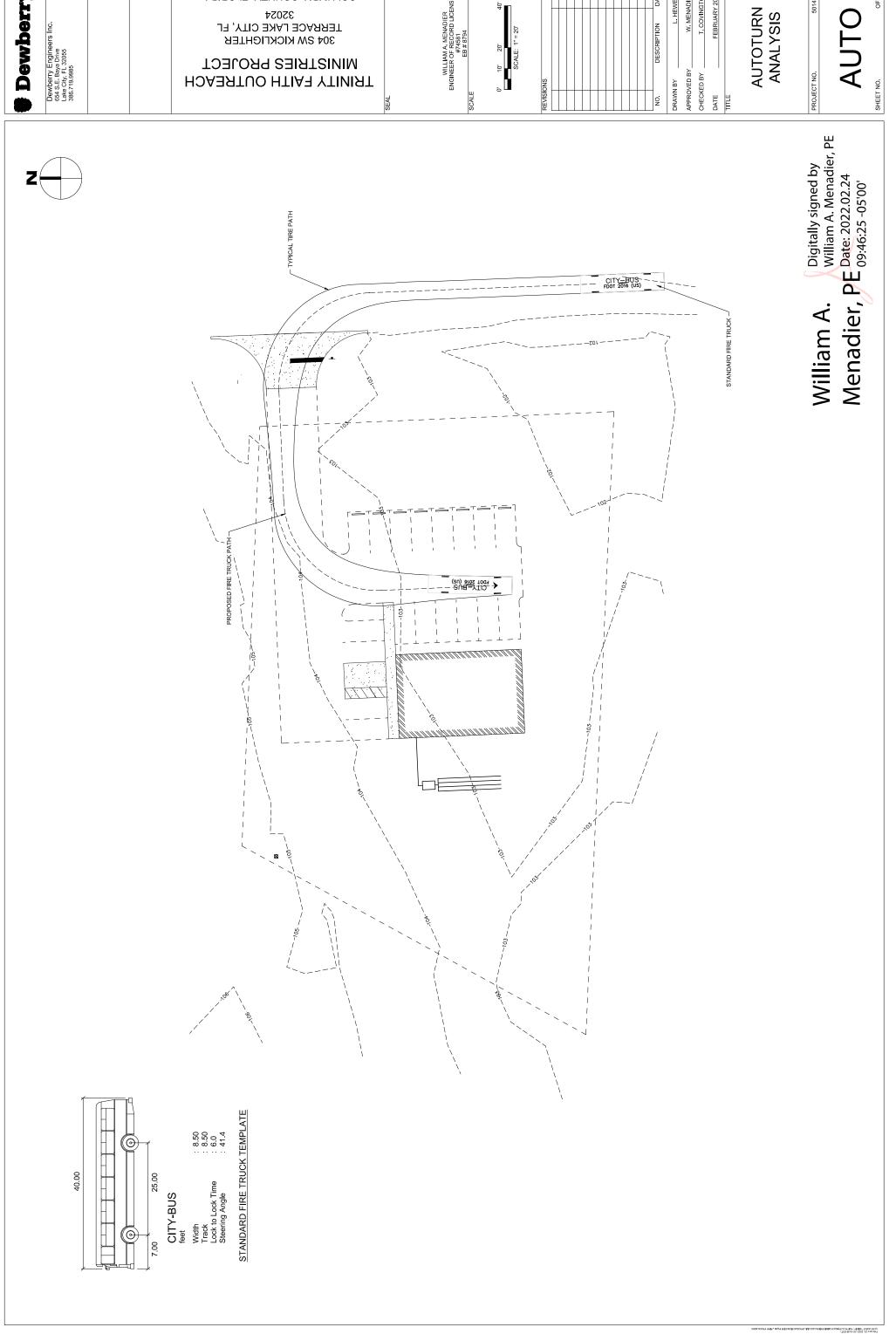
Step 7: Determine the communication factor between buildings (P)

**P** = **o** (No Communication on side)

Step 8: Calculate Needed Fire Flow (NFFi)

$$NFF_i = (750 \text{ gpm})(0.85)[1.0 + (0 + 0)]$$

$$NFF_i = 637.5 \text{ gpm}$$



Dewberry

Dewberry Engineers Inc. 654 S.E. Baya Drive Lake City, FL 32055 386.719.9985

COLUMBIA COUNTY, FLORIDA 35024 1ERRACE LAKE CITY, FL 304 SW KICKLIGHTER

WILLIAM A. MENADIER ENGINEER OF RECORD LICENSE #74581 EB#8794

DESCRIPTION

W. MENADIER FEBRUARY 2022

50149537



### **ATTACHMENT 5**

### **CONCURRENCY IMPACT ANALYSIS**

### CONCURRENCY WORKSHEET

**Potable Water Analysis** 

Ch. 64E-6.008, F.A.C. Use	Ch. 64E-6.008, F.A.C. Gallons Per Day (GPD)	Ch. 64E-6.008, F.A.C. Multiplier*	Total (Gallons Per Day)
Church	3.00	60.00	180.00

Proposed Water Well

#### **Sanitary Sewer Analysis**

Ch. 64E-6.008, F.A.C. Use	Ch. 64E-6.008, F.A.C. Gallons Per Day (GPD)	Ch. 64E-6.008, F.A.C. Multiplier*	Total (Gallons Per Day)
Church	3.00	60.00	180.00

Proposed Septic System

#### **Solid Waste Analysis**

Use	Pounds Per Thousand Sq Ft	Total Floor Area*	Total (Lbs Per Day)
Church	5.50	2.40	13.20

<sup>\*</sup> Multiplier is based upon Ch. 64E.6008, Florida Administrative Code and can very from square footage, number of employees, number of seats, or etc. See Ch. 64E-6.008, F.A.C. to determine multiplier.

<sup>\*</sup> Multiplier is based upon Ch. 64E.6008, F.A.C. and can very from square footage, number of employees, number of seats, or etc. See Ch. 64E-6.008, F.A.C. to determine multiplier.



#### **ITE Trip Generation Analysis**

ITE Code: 560

ITE Use: Church

#### WEEKDAY

Peak Hour of Adjacent Street Traffic 7-9 a.m. Daily Trips = 0.36 (2400/1000) - 0.74 = .21 = 1 Trips

Peak Hour of Adjacent Street Traffic 4-6 p.m. Daily Trips = 0.37 (2400/1000) + 3.90 = 4.78 = 5 Trips 45% Entering - 2 55% Exiting - 3

WEEKDAY

Daily Trips = 6.14(2400/1000) + 17.09 = 31.82 = 32 Trips 50% Entering – 16 50% Exiting - 16

#### **SATURDAY**

Peak Hour

Average Rate 2.78 (2400/1000) = 6.67 = **7 Trips** 59% Entering – 4 41% Exiting – 3

Saturday

Average Rate 5.99 (2400/1000) = 14.38 = 15 Trips 50% Entering – 8 50% Exiting - 7

#### **SUNDAY**

Peak Hour

Trips = 8.18 (2400/1000) + 63.81 = 83.44 = 84 Trips 48% Entering – 40 52% Exiting – 44

Sunday

Average Rate 27.63 (2400/1000) = 66.31 = **67 Trips** 50% Entering – 33 50% Exiting – 34



### **ATTACHMENT 6**

### **COMPREHENSIVE PLAN CONSISTENCY ANALYSIS**



## Comprehensive Plan Consistency Analysis Trinity Faith Outreach Ministries

The subject parcel lies within the (RR) Rural Residential Zoning District. The Parcel lies within the Residential Very Low Density designation for the Future Land Use. The property owner is proposing to construct a 2400 S.F. Church building. The following analysis outlines the proposed expansions consistency with the Columbia County Comprehensive Plan:

#### **Future Land Use Element**

GOAL I, OBJECTIVE I.1, POLICY I.1.6: The county's land development regulations shall be based on and be consistent with the following land use classifications and corresponding standards for densities and intensities within the designated urban development areas of the county. For the purpose of this policy and comprehensive plan, the phrase "other similar uses compatible with" shall mean land uses that can co-exist in relative proximity to other uses in a stable fashion over time such that no other uses within the same land use classification are negatively impacted directly or indirectly by the use.

Residential Very Low Density shall be limited to a density of 1.0 dwelling unit per acre;

#### Project's Consistency with Goal I, Objective I.1, Policy I.1.6:

The proposed project is in the Residential Very Low, this land use classification provides locations for dwelling units at very low, low, moderate, medium, medium/high and high density within the designated urban development areas as defined within this comprehensive plan. Public, charter and private elementary and middle schools are permitted within very low, low and moderate density residential land use classifications. Public, charter and private elementary, middle, medium/high and high schools are permitted within medium and high density residential land use classifications. In addition, churches and other houses of worship, golf courses, country clubs, conference centers, racquet and tennis clubs, cemeteries and mausoleums, private clubs and lodges, home occupations, child care centers, commercial greenhouses and plant nurseries, and other similar uses compatible with residential uses may be approved as special exceptions and be subject to an intensity of 1.0 floor area ratio. The development meets the requirements of the future land use zone.

### **Transportation Element**

GOAL II, OBJECTIVE II.1, POLICY II.1.1: Establish the service standards as noted below at peak hour for the following roadway segments within the County as defined within the most recent version of the Florida Department of Transportation Quality/Level of Service Handbook.

Segment	Segment	La	Functional	Area Type	Segment	LOS
Number	Description	ne	Classification		Length (mi)	
		S				
79	C.R. 341	2U	Minor Collector	Rural	3.2	D
	(from Lake City's					
	urban area boundary to					
	C.R. 242)					

\*Source: Columbia County Comprehensive Plan

### Project's Consistency with Goal II, Objective II.1, Policy II.1.1:

```
ITE Code: 560
ITE Use: Church
WEEKDAY
```

Peak Hour of Adjacent Street Traffic 7-9 a.m. Daily Trips = 0.36 (2400/1000) - 0.74 = .21 = 1 Trips

Peak Hour of Adjacent Street Traffic 4-6 p.m.

Daily Trips = 0.37 (2400/1000) + 3.90 = 4.78 = 5 Trips

45% Entering – 2 55% Exiting - 3

WEEKDAY

Daily Trips = 6.14(2400/1000) + 17.09 = 31.82 = 32 Trips

50% Entering – 16 50% Exiting – 16

### **SATURDAY**

Average Rate 2.78 (2400/1000) = 6.67 = **7 Trips** 

59% Entering - 4

41% Exiting – 3

Saturday

Average Rate 5.99 (2400/1000) = 14.38 = **15 Trips** 

50% Entering – 8 50% Exiting – 7

### **SUNDAY**

Peak Hour

Trips = 8.18 (2400/1000) + 63.81 = 83.44 = 84 Trips 48% Entering – 40 52% Exiting – 44

Sunday Average Rate 27.63 (2400/1000) = 66.31 = **67 Trips** 50% Entering – 33 50% Exiting – 34

## Housing Element – Not Applicable Sanitary Sewer

#### SANITARY SEWER FACILITY SUB ELEMENT

**GOAL IV-2, OBJECTIVE IV.2, POLICY IV.2.1:** The county hereby establishes the following level of service standards for sanitary sewer facilities.

• Individual Septic Tanks - Standards as specified in Chapter 64E-6, Florida Administrative Code, as amended.

### Project's Consistency with Goal IV-2, Objective IV.2, Policy IV.2.3:

The proposed building will be serviced by one proposed septic tank and drain fill. The system will be designed by others but will meet the requirements of Chapter 64E-6, Florida Administrative Code.

### **Solid Waste**

#### SOLID WASTE SUB ELEMENT

**GOAL IV-3, OBJECTIVE IV.3, POLICY IV.3.2:** The county shall schedule, design, operate and maintain solid waste disposal facilities in a manner which minimizes the effects of such facilities on water and air resources.

### Project's Consistency with Goal IV-3, Objective IV.3, Policy IV.3.2:

An increase in the amount of solid waste produced by the proposed will not cause an adverse impact in the capacity of the County's solid waste disposal facilities.

### **Drainage-Not Applicable**

### **Potable Water**

### POTABLE WATER FACILITY SUB ELEMENT

**GOAL IV-5, OBJECTIVE IV.5, POLICY IV.5.2:** The county shall coordinate the extension of, or increase in the capacity of, facilities by scheduling the completion of public facility improvements and require that they are concurrent with projected demand.

### Project's Consistency with Goal IV-3, Objective IV.3, Policy IV.3.2:

This project is proposed to be served by a private potable water supply well. Once central water is available, connection will be made, and the existing well will be abandoned.

### **Natural Groundwater Aquifer Recharge Element**

### NATURAL GROUNDWATER AQUIFER RECHARGE SUB ELEMENT

**GOAL IV-6:** ENSURE THE PROTECTION OF SURFACE AND GROUNDWATER QUALITY AND QUANTITY BY ESTABLISHING PLANS AND PROGRAMS TO PROMOTE ORDERLY USE AND DEVELOPING LAND IN A MANNER WHICH WILL PROMOTE SUCH PROTECTION AND AVAILABILITY.

### **Project's Consistency with Goal IV-6:**

This project was designed in strict accordance with the Suwannee River Water Management District regulations. All environmentally sensitive issues were closely vetted to assure no adverse impacts to the Floridian Aquifer.

**Conservation Element – Not Applicable** 

**Recreation and Open Space – Not Applicable** 

**Intergovernmental Coordination Element - Not Applicable** 

**Capital Improvements Element – Not applicable** 

**Public School Facilities Element – Not Applicable** 



# **LEGAL DESCRIPTION**

## **Legal Description**

Parcel ID: 14-4S-16-02960-012

A part of the SE½ of the SE½ of section 14, Township 4 South, Range 16 East, Columbia County, Florida being more particularly described as follows: Commence at the SE corner of the SE¼ of the SE¼ of the said section 14 and run thence S 88°02′24″W along the south line of said section 14, a distance of 46.11 feet to the west Right-of-way line of Kicklighter Road (A 60 foot paved/public right-of-way); Thence N. 01°26′35″W, Along said right-of-way line, a distance of 295.81 feet; Thence No3°11′45″W Along said West Right-of-way line, A distance of 631.10 feet; thence No1°56′38″W. Along said right-of-way line, A distance of 144.79 feet; To the Point of beginning; Thence continue No1°56′38″W along said right-of-way line a distance of 189.15 feet; Thence N 87°32′05″W 237.02 feet. Thence S 28°30′45″W 210.00 feet; Thence S 87°32′05″E 343.72 feet to the Point of Beginning containing 1.26 acres, more or less.



# PROOF OF OWNERSHIP



Department of State / Division of Corporations / Search Records / Search by Entity Name /

## **Detail by Entity Name**

Florida Not For Profit Corporation

TRINITY FAITH OUTREACH MINISTRIES, INC.

**Filing Information** 

**Document Number** N0100002667

**FEI/EIN Number** 59-3738056

**Date Filed** 04/11/2001

State FL

Status ACTIVE

Last Event REINSTATEMENT

Event Date Filed 10/06/2021

**Principal Address** 

738 NW TEXAS AVE LAKE CITY, FL 32055

Changed: 04/17/2003

**Mailing Address** 

304 SW KICKLIGHTES TER LAKE CITY, FL 32024

Changed: 04/07/2005

Registered Agent Name & Address

PERRY, CY 304 SW KICKLIGHTER TER LAKE CITY, FL 32024

Name Changed: 10/06/2021

Address Changed: 05/01/2009

Officer/Director Detail

Name & Address

Title P

PERRY, CY 304 SW KICKLIGHTER TER LAKE CITY, FL 32024

Title VC

PERRY, PAULA D 304 SW KICKLIGHTER TER LAKE CITY, FL 32024

Title TS

WATSON, DELOIS

10527 SW ST RD HWY 47 FORT WHITE, FL 32038

Title D

PERRY, JESSE 18 BOX 220 SUMMERS LN LAKE CITY, FL 32025

Title D

PERRY, RUSS D 162 SW SUMMERS LN LAKE CITY, FL 32025

## **Annual Reports**

Report Year	Filed Date
2019	06/05/2019
2020	06/15/2020
2021	10/06/2021

### **Document Images**

<u>10/06/2021 REINSTATEMENT</u>	View image in PDF format
06/15/2020 ANNUAL REPORT	View image in PDF format
06/05/2019 ANNUAL REPORT	View image in PDF format
04/17/2018 ANNUAL REPORT	View image in PDF format
03/30/2017 ANNUAL REPORT	View image in PDF format
03/21/2016 ANNUAL REPORT	View image in PDF format

03/05/2015 ANNUAL REPORT	View image in PDF format
03/25/2014 ANNUAL REPORT	View image in PDF format
04/09/2013 ANNUAL REPORT	View image in PDF format
01/30/2012 REINSTATEMENT	View image in PDF format
01/30/2012 Amendment and Name Change	View image in PDF format
05/01/2009 ANNUAL REPORT	View image in PDF format
04/30/2008 ANNUAL REPORT	View image in PDF format
04/23/2007 ANNUAL REPORT	View image in PDF format
05/04/2006 ANNUAL REPORT	View image in PDF format
04/07/2005 ANNUAL REPORT	View image in PDF format
04/23/2004 ANNUAL REPORT	View image in PDF format
04/17/2003 ANNUAL REPORT	View image in PDF format
06/03/2002 ANNUAL REPORT	View image in PDF format
04/11/2001 Domestic Non-Profit	View image in PDF format

Return to:

Merrill C. Tunsil, P.A.
P. O. Box 2113
Lake City, Florida 32056-2113

This Instrument Prepared by:

Merrill C. Tunsil, P.A.

P. O. Box 2113

Lake City, Florida 32056-2113

Tax Parcel Identification Number:

Inst:2005031355 Date:12/20/2005 Time:08:19

Doc Stamp-Deed: 59.50

<u>グ人 \_</u>DC,P.DeWitt Cason,Columbia County B:1068 P:1831

14-4S-

Space Above This Line for Processing Data

Space Above This Line for Recording

THIS WARRANTY DEED, made this 16th day of December. 2005, by Sylvia D. Pritchett, a married woman, whose address is 948 54th Avenue South, St. Petersburg, FL 33705 and Shirley Yvonne Morgan, a married woman, whose address is 3237 19th Avenue South, St. Petersburg, FL 33712 hereinafter called the first party; to Greater Saint Paul Outreach Ministries, whose address is 738 NW Texas Avenue, Lake City, FL 32055, of the County of Columbia, State of Florida, hereinafter called the second party:

WITNESSETH, that the said first party, for and in consideration of the sum of **Ten (\$10) dollars** and other good and valuable considerations, receipt whereof is hereby acknowledged, by these presents does grant, bargain, sell, alien, remises, release, convey, and transfer unto said second party forever, all their fee simple right, title, interest, and claim, said first party has in and to the following described lot, piece or parcel of land, situate, lying and being in Columbia County, State of Florida, to-wit:

A part of the SE ¼ of the SE ¼ of section 14, Township 4 South, Range 16 East, Columbia County, Florida being more particularly described as follows: Commence at the SE corner of the SE ¼ of the SE ¼ of the said section 14 and run thence S 88°02'24"W along the south line of said section 14, a distance of 46.11 feet to the west Right-of-way line of Kicklighter Road (A 60 foot paved/public right-of-way); Thence N. 01°26'35"W, Along said right-of-way line, a distance of 295.81 feet; Thence N 03°11'45"W Along said West Right-of- way line, A distance of 631.10 feet; thence N.01°56'38"W. Along said right-of-way line, A distance of 144.79 feet; To the Point of beginning; Thence continue N 01° 56'38" W along said right -of-way line a distance of 189.15 feet; Thence N 87° 32' 05"W 237.02 feet. Thence S 28° 30' 45"W 210.00 feet; Thence S 87° 32' 05"E 343.72 feet to the Point of Beginning containing 1.26 acres, more or less.

N.B. The land described herein is not the homestead of either grantor and neither grantor nor the grantors spouses, nor any for whose support the grantors are responsible reside on said land.

**TOGETHER** with all the tenements, hereditament and appurtenances thereto belonging or in anywise appertaining. **TO HAVE AND TO HOLD**, the same in fee simple forever.

**AND** the Grantor hereby covenants with said Grantee that it is lawfully seized of said land in fee simple; that it has good right and lawful authority to sell and convey said land; that it hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons claiming by, through or under the said Grantor.

IN WITNESS WHEREOF, the said first party has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in the presence of:

Witness

Printed Name

Callita

Printed Name

Sylvia D. Pritchet

948 54<sup>th</sup> Avenue, South, St.

St. Petersburg, FL 33705

Shirley Yvonne Morgan

3237 19<sup>th</sup> Avenue

St. Petersburg, FL 33712



Page 2 of 2 QCD Hills

### STATE OF FLORIDA COUNTY OF COLUMBIA

I HEREBY CERTIFY, that on this day, before me, an officer duly authorized to administer oaths and take acknowledgments, personally appeared Sylvia D. Pritchett and Shirley Yvonne Morgan, known to me to be the persons described in and who executed the foregoing instrument, who acknowledged before me that he executed the same, that I relied upon the following forms of identification of the above named persons personally known. An oath (was) (was not) taken.

WITNESS my hand and official seal in the County and State last aforesaid this 16th day of December, A.D. 2005.

| June | Notary Signature

Inst:2005031355 Date:12/20/2005 Time:08:19

Doc Stamp-Deed: 59.50
DC,P.DeWitt Cason,Columbia County B:1068 P:1832



# **AGENT AUTHORIZATION FORM**

### **APPLICATION AGENT AUTHORIZATION FORM**

TO: Columbia County Zoning Department 135 NE Hernando Avenue Lake City, FL 32055

### **Authority to Act as Agent**

On my/our behalf, I appointENGINEERS INC.				
(Name of Person to Act as my Agent)				
for TRINITY FAITH OUTREACH MINISTRIES				
(Company Name for the Agent, if applicable)				
o act as my/our agent in the preparation and submittal of this application				
SITE PLAN APPLICATION				
(Type of Application)				
acknowledge that all responsibility for complying with the terms and conditions for approval of this application, still resides with me as the Applicant/Owner.				
Applicant/Owner's Name: C.Y. PERRY				
Applicant/Owner's Title: OWNER/PASTOR				
On Behalf of: TRINITY FAITH OUTREACH MINISTRIES				
(Company Name, if applicable)				
Telephone: (386) 697-4601 Date: Feb 19, 7022				
Applicant/Owner's Signature:				
Print Name: CY PERTY				
COUNTY OF Columbia				
The Foregoing insturment was acknoeledged before me this 19th day of February, 20 22. by whom is personally known by me OR produced identification Tope of Identification Produced P600 119 56 3 4 3 - 0				
(Notary Signature) (SEAL) (SEAL) CINDY EDGE Commission # HH 013756 Expires July 20, 2024 Bonded Thru Troy Fain Insurance 800-385-7019				



# PROOF OF PAYMENT OF TAXES



## Kyle Keen, Tax Collector Proudly Serving The People of Columbia County

Site Provided by ... aumentumtech.com 1.13

Tax Record









Owner Name

Register for eBill

### **Details**

### Tax Record

» Print View Legal Desc. Tax Payment **Payment History** Print Tax Bill NEW! Change of Address

#### **Searches**

**Account Number GEO Number Owner Name** 

**Property Address** Mailing Address

#### **Site Functions**

### Tax Search

Local Business Tax Contact Us County Login Home

### Ad Valorem Taxes and Non-Ad Valorem Assessments

The information contained herein does not constitute a title search and should not be relied on as such.

Account Number	Тах Туре	Tax Year
R02960-012	REAL ESTATE	2021
Mailing Address	Property Address	

GREATER SAINT PAUL OUTREACH MINISTRIES 738 NW TEXAS AVE LAKE CITY FL 32055

Last Update: 2/15/2022 4:47:29 PM EST

GEO Number 144S16-02960-012

Exempt Amount	Taxable Value
See Below	See Below

Exemption Detail

Millage Code

Escrow Code

NO EXEMPTIONS

002

### Legal Description (click for full description)

14-4S-16 0000/00001.26 Acres COMM SE COR OF SE1/4 OF SE1/4 RUN W 46.11 FT TO W R/W LINE OF KICKLIGHTER RD, N 295.81 FT, N 631.10 FT. N 144.79 FT TO POB, N 189.15 FT, W 237.02 FT, S 28 DEG W 210 FT, E 343.72 FT TO POB. ORB 842-2340. WD 1068-1831.

Ad Valorem Taxes					
Taxing Authority	Rate	Assessed Value	Exemption Amount	Taxable Value	Taxes Levied
BOARD OF COUNTY COMMISSIONERS	7.8150	10,584	0	\$10,584	\$82.71
DISCRETIONARY	0.7480	10,584	0	\$10,584	\$7.91
LOCAL	3.6430	10,584	0	\$10,584	\$38.56
CAPITAL OUTLAY	1.5000	10,584	0	\$10,584	\$15.88
SUWANNEE RIVER WATER MGT DIST	0.3615	10,584	0	\$10,584	\$3.83
LAKE SHORE HOSPITAL AUTHORITY	0.0000	10,584	0	\$10,584	\$0.00

	Total Millage	14.0675	Total Taxes	\$148.89
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### **Non-Ad Valorem Assessments**

Levying Authority Code Amount \$60.78 FFIR FIRE ASSESSMENTS

Total	Assessments	\$60.78
Taxes	& Assessments	\$209.67

**Amount Due** If Paid By

\$0.00

Date Paid	Transaction	Receipt	Item	Amount Paid
11/24/2021	PAYMENT	6401450.0001	2021	\$201.28

Prior Years Payment History

	Prior Year Taxes Due
NO DELINQUENT TAXES	

<u>Print</u> | << First < Previous Next > Last >>