DATE 07/18/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027189

APPLICANT BECKY DUGAN PHONE 752-8653

ADDRESS P.O. BOX 1392 LAKE CITY FL 32056

OWNER CHRIST CENTRAL MINISTRIES PHONE 755-8653

ADDRESS 217 SW DYAL RD LAKE CITY FL 32024

CONTRACTOR BRYAN ZECHER PHONE 752-8653

LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME RD, CROSS CR 242, CHURCH IS ON LEFT

TYPE DEVELOPMENT COMM.STORAGE BLDG ESTIMATED COST OF CONSTRUCTION 120000.00

HEATED FLOOR AREA TOTAL AREA 6400.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 1/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 12

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 26-4S-16-03189-003 SUBDIVISION CHRIST CENTRAL MINISTRIES

LOT BLOCK PHASE UNIT TOTAL ACRES 42.00

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
		CBC054575	Becky Dugan	
EXISTING	X08-193	BK	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: S-2 STORAGE BLD, FOR STORAGE ONLY

Check # or Cash 5878

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power date/app. by Foundation date/app. by Monolithic (footer/Slab) date/app. by

Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by

Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by

Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by

Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by

M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by

Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by

M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE $ 600.00 CERTIFICATION FEE $ 32.00 SURCHARGE FEE $ 32.00

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 739.00

INSPECTORS OFFICE Gale Tedder CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

LYNETTA USHER GRINER
Chairman
Fanning Springs, Florida

M. HOWELL WARING
Vice Chairman
Madison, Florida

SUZANNE COLSON
Secretary/Treasurer
Cedar Key, Florida

JOHN D. CARVER
Archer, Florida

BOYD W. CLOSE
Perry, Florida

ANN M. CROW
Wellborn, Florida

HERBERT G. DEMOTT
Monticello, Florida

MACEO HOWELL, JR.
Jennings, Florida

DR. EARL STARNES
Alachua, Florida

JERRY A. SCARBOROUGH
Executive Director
Live Oak, Florida

DAVID W. FISK
Asst. Executive Director
Gainesville, Florida

October 28, 1998

Mr. Lonnie R. Johns
Christ Central Ministries
Post Office Box 1703
Lake City, FL 32056-1703

Subject: Receipt of Environmental Resource Permit Application for Christ Central Ministries-Phase 1 - ERP98-0381 - Columbia County

Dear Mr. Johns:

The Suwannee River Water Management District (SRWMD) received your application package on October 27, 1998, for Christ Central Ministries-Phase 1. Your proposed project has been assigned permit number ERP98-0381, and is currently under review by Resource Management staff. You will receive a response from staff within 30 days after receipt of the application package. This is pursuant to Chapter 120.60(1), Florida Statutes.

Please be advised that it is a violation of SRWMD rules to begin any work on the project before this permit is issued. Your submitted application package does not alleviate you from having to obtain all other clearances, permits, or authorization required by any other unit of local, state, or federal government.

If you have any further questions, please contact Resource Management staff at 904/362-1001, or toll free at 800/226-1066. In order to better serve you, please include the permit number in all correspondence.

Sincerely,

David Still
Director, Resource Management

cc: Curtis Keen

9225 CR 49 • LIVE OAK, FLORIDA 32060 • TELEPHONE 904/362-1001 • 800/226-1066 • FAX 904/362-1056

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FLORIDA 32060
TELEPHONE: (904) 362-1001
TELEPHONE: 800-226-1066
FAX (904) 362-1056

Dear Permittee:

Enclosed is your approved Environmental Resource Permit. Based on the activity described in your application, Suwannee River Water Management District (District) staff has reasonable assurance that the proposed construction meets conditions for issuance, provided you follow the permit conditions and your stated activity.

Be aware of the location of underground utilities before starting excavation.

If you wish, we will visit with you on site to discuss the terms of the permit, review existing pre-construction conditions, and answer any question you may have prior to beginning work. If you would like to schedule a pre-construction meeting, please contact Resource Management staff at 904/362-1001 or 800/226-1066.

Sincerely,

Resource Management Staff

LYNETTA USHER GRINER
Chariman
Fanning Springs, Florida

M. HOWELL WARING
Vice Chairman
Madison, Florida

SUZANNE COLSON
Secretary/Treasurer
Cedar Key, Florida

JOHN D. CARVER
Archer, Florida

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Alachua, Florida

JERRY A SCARBOROUGH
Executive Director
Live Oak, Florida

DAVID W. FISK
Asst. Excutive Director
Gainesville, Florida

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FLORIDA 32060
TELEPHONE: (904) 362-1001
TELEPHONE: 800-226-1066
FAX (904) 362-1056

GENERAL PERMIT

PERMITTEE:
CHRIST CENTRAL MINISTRIES
POST OFFICE BOX 1703
LAKE CITY, FL 32056-1703

PERMIT NUMBER: ERP98-0381
DATE ISSUED: 11/17/1998
DATE EXPIRES: 11/17/2000
COUNTY: Columbia
TRS: S26/T4S/R16E

PROJECT: CHRIST CENTRAL MINISTRIES-PHASE 1

Approved entity to whom operation and maintenance may be transferred pursuant to rule 40B-4.1130, Florida Administrative Code (F.A.C.):

LONNIE R. JOHNS
CHRIST CENTRAL MINISTRIES
POST OFFICE BOX 1703
LAKE CITY, FL 32056-1703

Based on information provided, the Suwannee River Water Management District's (District) rules have been adhered to and an environmental resource general permit is in effect for the permitted activity description below:

Construction and operation of a surfacewater management system serving 2.34 acres of impervious surface on a total project area of 6.24 acres in a manner consistent with the application package submitted by Keen Engineering & Surveying, Inc. certified on October 27, 1998.

It is your responsibility to insure that adverse off-site impacts do not occur either during or after construction. Any additional construction or alterations not authorized by this permit may result in flood control or water quality problems both on and off site and will be a violation of District rule.

You or any other substantially affected persons are entitled to request an administrative hearing pursuant to ss.120.57(1), Florida Statutes (F.S.), and s.40B-1.511, F.A.C., if they object to the District's actions. Failure to request a hearing within 14 days will constitute a waiver of your right to request such a hearing. In addition, the District will presume that permittee waives Chapter 120,

F.S., rights to object or appeal the action upon commencement of construction authorized by the permit.

This permit is issued under the provisions of chapter 373, F.S., chapter 40B-4, and chapter 40B-400, F.A.C. A general permit authorizes the construction, operation, maintenance, alteration, abandonment, or removal of certain minor surface water management systems. This permit authorizes the permittee to perform the work necessary to construct, operate, and maintain the surface water management system shown on the application and other documents included in the application. This is to notify you of District's agency action concerning Notice Of Intent. This action is taken pursuant to rule 40B-4 and 40B-400, F.A.C.

Standard Conditions for All General Permits:

1. The permittee shall perform all construction authorized in a manner so as to minimize adverse impacts to fish, wildlife, natural environmental values, and water quality. The permittee shall institute necessary measures during construction including riprap, reinforcement, or compaction of any fill materials placed around newly installed structures, to minimize erosion, turbidity, nutrient loading, and sedimentation in the receiving waters.

2. Water quality data representative of the water discharged from the permitted system, including, but not limited to, the parameters in chapter 62-3, F.A.C., shall be submitted to the District as required. If water quality data are required, the permittee shall provide data as required on the volume and rate of discharge including the total volume discharged during the sampling period. All water quality data shall be in accordance with and reference the specific method of analysis in "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association or "Methods for Chemical Analysis of Water and Wastes" by the U.S. Environmental Protection Agency.

3. The operational and maintenance phase of a surfacewater management permit will not become effective until the owner or his authorized agent certifies that all facilities have been constructed in accordance with the design permitted by the District. If required by the District, such as-built certification shall be made by an engineer or surveyor. Within 30 days after the completion of construction of the system, the permittee shall notify the District that the facilities are complete. If appropriate, the permittee shall request transfer of the permit to the responsible entity approved by the District for operation and maintenance. The District may inspect the system and, as necessary, require remedial measures as a condition of transfer of the permit or release for operation and maintenance of the system.

4. Off-site discharges during and after construction shall be made only through the facilities

authorized by the permit. Water discharged from the project shall be through structures suitable for regulating upstream stage if so required by the District. Such discharges may be subject to operating schedules established by the District.

5. The permit does not convey to the permittee any property right nor any rights or privileges other than those specified in the permit and chapter 40B-1, F.A.C.

6. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, operation, maintenance, alteration, abandonment, or development in a Works of the District which is authorized by the permit.

7. The permit is issued based on the information submitted by the applicant which reasonably demonstrates that adverse off-site water resource impacts will not be caused by the permitted activity. It is the responsibility of the permittee to insure that such adverse impacts do not in fact occur either during or after construction.

8. It is the responsibility of the permittee to obtain all other clearances, permits, or authorizations required by any unit of local, state, or federal government.

9. The surfacewater management system shall be constructed prior to or concurrent with the development that the system is intended to serve and the system shall be completed within 30 days of substantial completion of the development which the system is intended to serve.

10. Except for General Permits After Notice or permits issued to a unit of government, or unless a different schedule is specified in the permit, the system shall be inspected at least once every third year after transfer of a permit to operation and maintenance by the permittee or his agent to ascertain that the system is being operated and maintained in a manner consistent with the permit. A report of inspection is to be sent to the District within 30 days of the inspection date. If required by chapter 471, F.S., such inspection and report shall be made by an engineer.

11. As-built certification shall be made by an engineer or surveyor.

12. The permittee shall allow reasonable access to District personnel or agents for the purpose of inspecting the system to insure compliance with the permit. The permittee shall allow the District, at its expense, to install equipment or devices to monitor performance of the system authorized by their permit.

13. The surfacewater management system shall be operated and maintained in a manner which is consistent with the conditions of the permit and chapter 40B-4.2040, F.A.C.

14. The permittee is responsible for the perpetual operation and maintenance of the system unless the operation and maintenance is transferred pursuant to chapter 40B-4.1130, F.A.C., or the permit is modified to authorize a new operation and maintenance entity pursuant to chapter 40B-4.1110, F.A.C.

WITHIN 30 DAYS AFTER COMPLETION OF THE PROJECT, THE PERMITTEE SHALL NOTIFY THE DISTRICT, IN WRITING, THAT THE FACILITIES ARE COMPLETE.

Approved by _____ Date Approved 11-17-98
District Staff

_____ _____
Clerk Executive Director

CHRIST CENTRAL MINISTRIES
P.O. BOX 1703
LAKE CITY, FL 32055
(386) 755-2525

COLUMBIA COUNTY BANK
LAKE CITY, FL 32055
63-64/631

5769

05/13/2002

PAY TO THE ORDER OF SUWANEE RIVER WATER MANAGEMENT $ **500.00

Five Hundred and 00/100********** DOLLARS

SUWANEE RIVER WATER MANAGEM
9225 COUNTY RD. 49
LIVE OAK, FL 32060

MEMO APPL. FEE/DREDGE & FILL PERMIT

⑈005769⑈ ⑆063100646⑆ 1931970⑈

CHRIST CENTRAL MINISTRIES 5769

SUWANEE RIVER WATER MANAGEMENT		05/13/2002	
YOUTH FACILITY	FEE/DREDGE&FILL PERMIT		500.00

COLUMBIA CO APPL. FEE/DREDGE & FILL PERMIT 500.00

CHRIST CENTRAL MINISTRIES 5769

SUWANEE RIVER WATER MANAGEMENT		05/13/2002	
YOUTH FACILITY	FEE/DREDGE&FILL PERMIT		500.00

COLUMBIA CO APPL. FEE/DREDGE & FILL PERMIT 500.00

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

LYNETTA USHER GRINER
Chairman
Fanning Springs, Florida

M. HOWELL WARING
Vice Chairman
Madison, Florida

SUZANNE COLSON
Secretary/Treasurer
Cedar Key, Florida

JOHN D. CARVER
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BOYD W. CLOSE
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MACEO HOWELL, JR.
Jennings, Florida

JONATHAN WERSHOW
Alachua, Florida

JERRY A. SCARBOROUGH
Executive Director
Live Oak, Florida

DAVID W. FISK
Asst. Executive Director
Gainesville, Florida

June 28, 1999

Mr. Lonny Johns
Christ Central Ministries
Post Office Box 1703
Lake City, Florida 32056

Subject: Water Use Permit Number 2-99-00087

Dear Mr. Johns:

Enclosed is your water use permit as issued on June 28, 1999.

If you have any questions or at any time wish to modify this permit, please feel free to contact us at your convenience.

Sincerely,

for Wayne McDonald

Bill Kirk, P.G.
Hydrogeologist

BK/wam
Enclosure

WATER USE PERMIT
NO. 2-99-00087

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FLORIDA 32060
TELEPHONE: (904) 362-1001
FL TOLL FREE: 800-226-1066 FAX (904) 362-1056

DATE ISSUED: 06/28/1999

EXPIRATION DATE: 06/28/2019

ISSUED TO: LONNY JOHNS
CHRIST CENTRAL MINISTRIES
POST OFFICE BOX 1703
LAKE CITY, FL 32056

AUTHORIZING: The average daily withdrawal and use of 0.0086 million gallons per day or a maximum daily withdrawal and use of 0.0720 million gallons per day for a total annual allocation not to exceed 3.139 million gallons per calendar year.

LOCATED IN: Columbia County, Township 4 South, Range 16 East, Section 26

This Permit is issued pursuant to Application 2-99-00087 dated 06/08/1999, for the Use of Water as specified above and subject to the Conditions as set forth below. Said Application, including all plans and specifications attached thereto, is by reference made a part hereof.

Upon written notice to the permittee, this permit may be temporarily modified, or restricted under a Declaration of Water Shortage or a Declaration of Emergency due to Water Shortage in accordance with provisions of Ch. 373, Fla. Statutes, 1973 and applicable rules and regulations of the Suwannee River Water Management District.

This Permit may be permanently or temporarily revoked, in whole or in part, for the violation of the conditions of the permit or for the violation of any provision of the Water Resources Act and regulations thereunder.

This Permit does not convey to permittee any property rights or privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation, or requirement affecting the rights of other bodies or agencies.

CONDITIONS ARE AS FOLLOWS:

1. Nothing in this permit should be construed to limit the authority of the Suwannee River Water Management District to declare a water shortage and issue orders pursuant to Section 373.175, Florida Statutes, or to formulate a rule for implementation during times of water shortage pursuant to Section 373.246, Florida Statutes. In the event of water shortage as declared by the Board, the permittee shall adhere to any limitations on withdrawal or use ordered by the District.
2. This permit is classified as unconfined floridan aquifer for privately owned HRS public water system.
3. Permittee shall allow District personnel at reasonable times and at District expense or with District equipment to monitor withdrawal rates and volumes authorized by this permit.

SUWANNEE RIVER WATER MANAGEMENT DISTRICT, BY ITS GOVERNING BOARD

By _____
SECRETARY

Wynn McDonald
DISTRICT RULES CLERK

June 28, 1999
DATE

SEAL

Resource Management Department Water Use Permit Review

Water Use Permit Number:	2-99-00087	Date Received:	6/7/99
Name of Permittee:	Christ Central Church	Type:	Public
Reviewer's Initials:	FS	Date of Review:	6/28/99
County:	Columbia	TRS:	-041626'

Seating Cap	Service/wk	gpcd			
700	3	15			0.0045
Campsites	gpd/site				
	114				0.0000
Homesites	pers/home	gpcd			
	3	150			0.0000
Employees	days/week	gpcd			
6	6	15			0.0001
Irrigation	Acres	NIR	System	SER	
	3	0.38	Sprinkler	1.3	0.0041
Misc.	gpd				
				Final AD =	.0086

FNLMDR calculation:

Well #	Well Status	Dia.	Capacity (gpm)	Dpermit#	TRS	MDR
1	Pending	4	50	68122	-041626'	.0720
						.0000
					FNLMDR =	.0720

FNLTIM = 44 Days

Notes:

wu master calc
PWS
6/28/99

CK# 5879 **Columbia County Building Permit Application** CK# 5878

For Office Use Only Application # 0805-56 Date Received 5/30 By JW Permit # 27189

Zoning Official BLK Date 18.07.08 Flood Zone X FEMA Map # N/A Zoning A-3

Land Use A-3 Elevation N/A MFE N/A River N/A Plans Examiner OK JTH Date 6-3-08

Comments Please Put on Permit S-2 Storage Building For Storage only JTH

☑ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☐ Letter of Authorization from Contractor

☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. Fax 758-8920

Name Authorized Person Signing Permit Bryan Zacher / Becky Dugan Phone 752-8653

Address P.O. Box 1392, Lake City, FL 32056-1392

Owners Name Christ Central Ministries Phone 755-2525

911 Address 217 SW Dyal Rd, LC. 32024

Contractors Name Bryan Zacher Construction, Inc Phone 752-8653

Address P.O. Box 1392, Lake City, FL 32056-1392

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address Freeman Design Group

Mortgage Lenders Name & Address

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 26-4S-16-03189-003 Estimated Cost of Construction $120,000.00

Subdivision Name — Lot ___ Block ___ Unit ___ Phase ___

Driving Directions From US Hwy 90, go South on SW Sisters Welcome Rd. After crossing CR 242 (road is now SW Dyal Rd), job site is on the Left Number of Existing Dwellings on Property 2

Construction of Comm. Storage bldg Total Acreage 42.6 Lot Size

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 12'

Actual Distance of Structure from Property Lines - Front 250+ Side 150+ Side 150+ Rear 200+

Number of Stories 1 Heated Floor Area — Total Floor Area 6,400 Roof Pitch 1/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment
According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:
YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Lonnie Johns – Pastor Lonnie Johns
Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.

Contractor's Signature (Permitee)

Contractor's License Number CBC 054575
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 30th **day of** May **20**08.
Personally known ✓ **or Produced Identification**_____

State of Florida Notary Signature (For the Contractor)

SEAL:

REBECCA DUGAN
MY COMMISSION #DD452939
EXPIRES: JUL 20, 2009
Bonded through 1st State Insurance

COLUMBIA COUNTY FIRE DEPARTMENT

P. O. BOX 1529 Lake City, Florida 32056
Office (386) 754-7071 Fax (386) 754-7064

David L. Boozer
Division Chief

16 September 2008

TO: Columbia County Building and Zoning
Attention: Harry Dicks

FROM: David L. Boozer
Division Chief / Fire Marshal

RE: Permit # 27189 / Christ Central Ministries

A Fire Safety Inspection was conduct today at the Christ Central Ministries Storage building located at 217 SW Dyal Road, Lake City, Florida. At the time of my inspection this building meets the requirements as set forth in Chapter 42 of the Florida Fire Prevention Code, 2004 Edition. I recommend approval.

Respectfully,

David L. Boozer
Florida State Fire Inspector #146595

BK 0918 PG 1101 15.00
1505.00
OFFICIAL RECORDS

Prepared by and return to:
JOHN E. NORRIS
NORRIS, KOBERLEIN & JOHNSON, P.A.
P. O. DRAWER 2349
LAKE CITY, FL 32056-2349

CLERK CIRCUIT COURT COLUMBIA COUNTY FLORIDA

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FL.

01-01034

'01 JAN 18 PM 2:24

RECORD VERIFIED

Documentary Stamp 1505.00
Intangible Tax
P. DeWitt Cason
Clerk of Court
By D.C.

WARRANTY DEED

THIS INDENTURE, Made this 17th day of January, 2001, between PHILIP D. ENGLE, a/k/a PHILIP DAVID ENGLE, and CHERYL O. ENGLE, a/k/a CHERYL O'DAY ENGLE, his wife, Rt. 15, Box 1235, Lake City, Florida 32024, Grantors, and CHRIST CENTRAL MINISTRIES, INC., a Florida corporation, FEIN [redacted], P. O. Box 1703, Lake City, Florida 32056, Grantee,

W I T N E S S E T H:

That said Grantors, for and in consideration of the sum of TEN and No/100 ($10.00) DOLLARS, and other good and valuable considerations to said Grantors in hand paid by said Grantee, the receipt whereof is hereby acknowledged, have granted, bargained and sold to the said Grantee, and Grantee's successors and assigns forever, the land, situate, lying and being in Columbia County, Florida, described in Schedule A attached hereto and by this reference made a part hereof, SUBJECT TO the following:

(a) Taxes and special assessments for 2001 and subsequent years;
(b) Easement to American Telephone and Telegraph Company dated October 27, 1965, recorded in Official Records Book 211, Page 90, public records of Columbia County, Florida.
(c) Existing County Road right-of-way for Dyal Road along Northwesterly side.
(d) Restrictions shown in Warranty Deed recorded in Official Records Book 462, Page 698, public records of Columbia County, Florida.
(e) Restrictions shown in Warranty Deed recorded in Official Records Book 624, Page 173, public records of Columbia County, Florida.
(f) Restrictions shown in Special Warranty Deed dated September 1, 1992, recorded in Official Records Book 764, Page 1268, public records of Columbia County, Florida.
(g) Easement along Northwesterly side held by Florida Gas Transmission Company.
(h) Grant of Easement to Claudius F. Johns, III and Linda D. Johns, his wife, dated February 29, 1996, recorded in Official Records Bok 818, Page 1699,. corrected by

Corrective Grant of Easement dated November 21, 1999, recorded in Official Records Book 892, Page 2234, public records of Columbia County, Florida.

BK 0918 PG 0088 (3) Rights, if any, of persons crossing subject property at various points using established roads or streets taken by prescription.

OFFICIAL RECORDS (4) Visible easements.

And said Grantors do hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, Grantors have hereunto set their hands and seals the day and year first above written.

Signed, sealed and delivered in the presence of:

Sign _____
Print JOHN F. NORRIS

Sign _____
Print DIANE A. CREWS

_____ (SEAL)
PHILIP D. ENGLE

_____ (SEAL)
CHERYL O. ENGLE

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 17th day of January, 2001, by PHILIP D. ENGLE, a/k/a PHILIP DAVID ENGLE and CHERYL O. ENGLE, a/k/a CHERYL O'DAY ENGLE, his wife, each of whom is personally known to me or has produced N/A as identification.

NOTARY PUBLIC:
Sign _____
Print DIANE A. CREWS
State of Florida at Large (Seal)
My Commission Expires:

OFFICIAL NOTARY SEAL
DIANE A CREWS
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. CC708245
MY COMMISSION EXP. FEB. 9 2002

OFFICIAL RECORDS

SCHEDULE A

TOWNSHIP 4 SOUTH, RANGE 16 EAST

Section 26: Part of the West Half of the NW 1/4 of said Section 26, Columbia County, Florida, more particularly described as follows:
Commence at the SW Corner of the SW 1/4 of the NW 1/4 of said Section 26; thence N.88°44'04"E. along the South line of said NW 1/4 a distance of 803.95 feet to the POINT OF BEGINNING; thence continue N.88°44'04" E along said South line, 537.73 feet to the SE Corner of the aforementioned SW 1/4 of the NW 1/4; thence N.02°43'03" W. along the East line of said West Half of the NW 1/4 a distance of 2631.28 feet to a point on the South right-of-way line of County Road No. 242 (an 80 foot wide public right-of-way as presently established); thence S.89°16'21"W. along said right-of-way line, 60.00 feet; thence S.02°29'47"E., 408.21 feet; thence S.87°46'30"W., 658.78 feet to a point on the Westerly right-of-way line of the old ACL Railroad; thence S.28°26'30"W. along said Westerly line, 419.89 feet; thence N.87°46'30"E., 409.97 feet to a point on the West line of lands described in Official Records Book 688, Page 732 of the Official Records of Columbia County, Florida; thence S.02°13'30"E. along said West line, 815.00 feet to the Southerly most NW Corner of lands described in Official Records Book 764, Page 1268 of said Official Records; thence S.02°43'03"E. along the West line of said lands, 1040.19 feet to the POINT OF BEGINNING. Containing 30.36 acres, more or less. Being the same lands as those described in Official Records Book (ORB) 688, Page 732 and ORB 764, Page 1268 of the Official Records of Columbia County, Florida, and those lands deeded to Philip D. Engle and his wife, Cheryl O. Engle by Columbia Service Company, Inc.

Parcel No. 26-4S-[redacted]

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 26-4S-16-03189-003/Columbia County

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT**.

1. Description of property *(legal description)*: — ID # 26-4S-16-03189-003
   a) Street *(job)* Address: Dyal Road
2. General description of improvements: metal storage building — 80x80'
3. Owner Information
   a) Name and address: Christ Central Ministries, PO Box 1703, Lake City, FL 32056
   b) Name and address of fee simple titleholder (if other than owner)
   c) Interest in property
4. Contractor Information
   a) Name and address: Bryan Zeiher Construction, Inc. PO Box 815, Lake City, FL 32056
   b) Telephone No: 386-752-8653 Fax No. (Opt.)
5. Surety Information
   a) Name and address: N/A
   b) Amount of Bond:
   c) Telephone No.:

Inst:200812010521 Date:6/3/2008 Time:12:18 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1151 P:1601

6 Lender
   a) Name and address: N/A
   b) Phone No.
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: N/A
   b) Telephone No.: Fax No. (Opt.)

8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
   a) Name and address: N/A
   b) Telephone No.: Fax No. (Opt.)

9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**: —

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. X
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Lonnie Johns
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 2nd day of June, 20 08, by: Lonnie Johns as President **(type of authority, e.g. officer, trustee, attorney fact) for** Christ Central Ministries **(name of party on behalf of whom instrument was executed).**

Personally Known ✓ OR Produced Identification ____ Type

Notary Signature Rebecca Dugan Notary Stamp or Seal:

REBECCA DUGAN
MY COMMISSION #DD452939
EXPIRES: JUL 20, 2009
Bonded through 1st State Insurance

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Signature of Natural Person Signing (in line #10 above.)

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

LOUIS SHIVER
Chairman
Mayo, Florida

J.P. MAULTSBY
Vice Chairman
Madison, Florida

GEORGIA JONES
Secretary/Treasurer
Lake City, Florida

DON CURTIS
Lake Bird, Florida

C. LINDEN DAVIDSON
Lamont, Florida

HEATH DAVIS
Cedar Key, Florida

N. DAVID FLAGG
Gainesville, Florida

OLIVER L. LAKE
Lake City, Florida

DON QUINCEY, JR.
Chiefland, Florida

DAVID STILL
Executive Director
Lake City, Florida

July 15, 2008

Mr. Bill Freeman
Freeman Design Group, Inc.
128 SW Nassau Street
Lake City, FL 32025

Subject: Requested Environmental Resource Permit (ERP) Exemption for ERP98-0381M2, Christ Central Ministries Shed, Columbia County

Dear Mr. Freeman:

The above mentioned proposed project of the construction of a small building and removal of a portion of the asphalt parking lot of Christ Central Ministries in Columbia County does not require a new ERP or a modification to the existing permit, ERP98-0381, by the Suwannee River Water Management District (District). This decision was based on the application and plans received July 14, 2008, for this project. It has been determined that the proposed project follows subsection 40B-4.1070(1)(c), Florida Administrative Code (F.A.C.), and provides reasonable assurance that:

1. The existing stormwater system is functioning as permitted.
2. The master system will not change as a result of the connection.
3. The project will not exceed any thresholds established by the existing permit.

If this project does not comply with these terms, a permit will be required.

This exemption, however, does not exempt you from obtaining permits from any other regulatory agency. Any modification to the exempted plans that may be required shall require reconsideration by the District prior to commencement of construction.

If you have any questions, please call me at 386.362.1001, or toll free at 800.226.1066.

Sincerely,

Leroy Marshall II, P.E., CFM
Water Resource Engineer

LM/rl
cc: Christ Central Ministries

Columbia County, Florida
Planning & Zoning Department

Review of Building Permit for compliance with
County's Comprehensive Plan and
Land Development Regulations

To: Bryan Zecher/Becky Dugan Fax: 386.758.8920

From : Brian L. Kepner, County Planner Fax: 386.758.2160

Number of pages : 1

Date : 5 June 2008 REVISED

RE: Building Permit Application 0805-56, Christ Central Ministries

Dear Bryan or Becky:

A site plan showing the relationship of the proposed building to the property lines and other existing buildings located on the property is needed in order to proceed with the above referenced build permit application. In addition, the Environmental Resource Permit from the Suwannee River Water Management District information provided with the application expired in 2000. New documentation showing current permitting is required for the proposed storage building.

If you have any questions concerning this matter, please do not hesitate to contact me at 758.1007.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

Confidentiality Notice: This facsimile transmission is confidential and is intended only for the review of the party to whom it is addressed. It may contain proprietary and/or privileged information protected by law. If you are not the intended recipient, you may not use, copy or distribute this facsimile message or its attachments. If you have received this transmission in error, please immediately telephone the sender above to arrange for its return.

P.O. Box 815
465 NW Orange St.
Lake City, FL 32056
Office: 386-752-8653
Fax: 386-758-8920

Bryan Zecher Construction, Inc.

Fax

To:	Columbia County Building Dept	**From:**	Becky
Fax:	758-2160	**Pages:**	2
Phone:	758-1008	**Date:**	June 9, 2008
Re:	**CCM – 0805-56**	**CC:**	

☐ **Urgent** X **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

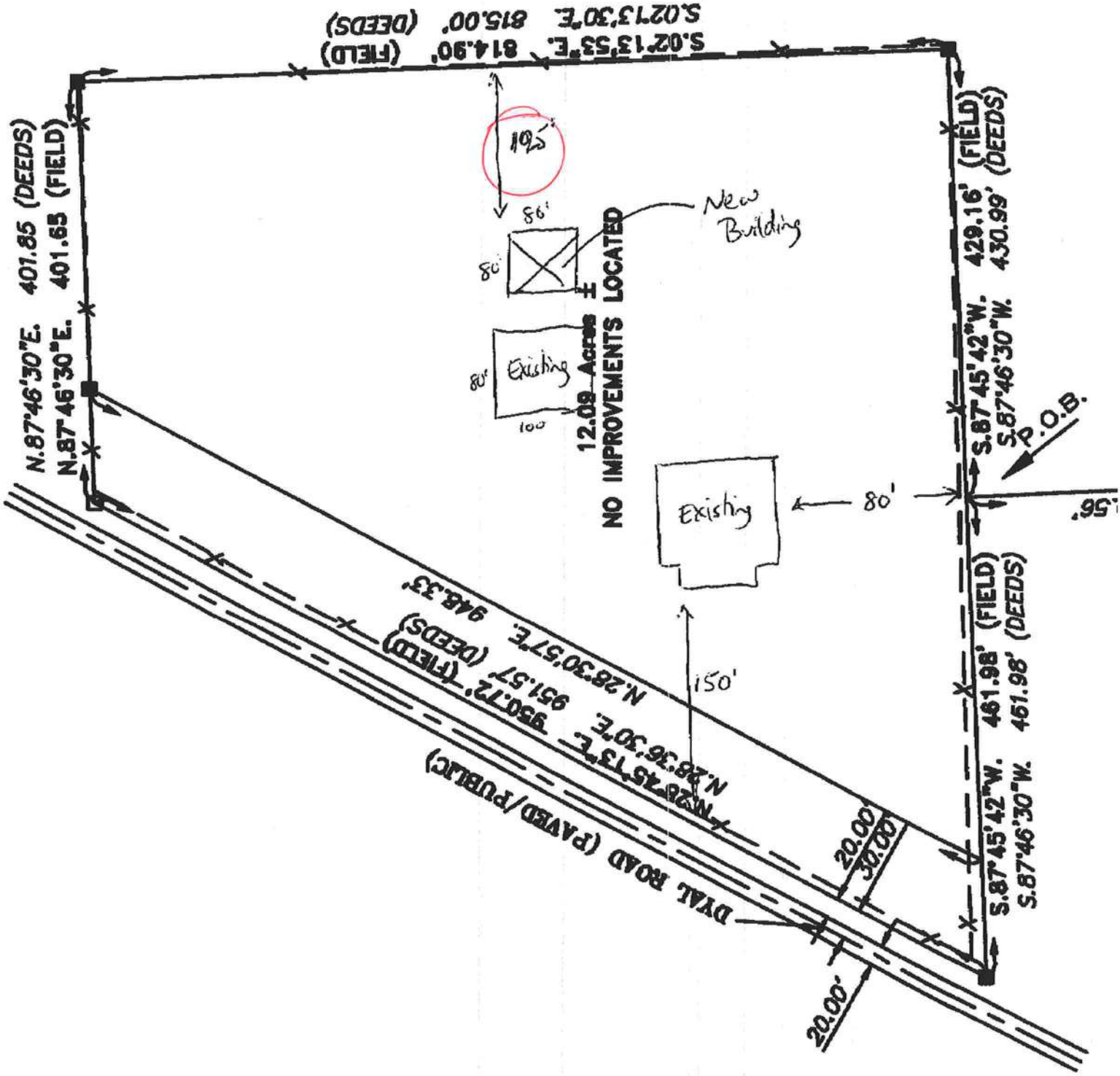
• **Comments:**

Brian,

Attached please find a site plan showing the new and exiting buildings at **Christ Central Ministries**.

Thanks and have a wonderful day,

Becky


S.02°13'53"E. 814.90' (FIELD)
S.02°13'30"E. 815.00' (DEEDS)
401.85 (DEEDS)
401.65 (FIELD)
N.87°46'30"E.
N.87°46'30"E.
429.16' (FIELD)
430.99' (DEEDS)
S.87°45'42"W.
S.87°46'30"W.
P.O.B.
195'
86'
80'
New Building
80'
Existing
100
12.09 Acres ±
NO IMPROVEMENTS LOCATED
Existing
80'
.56'
150'
461.98' (FIELD)
461.98' (DEEDS)
S.87°45'42"W.
S.87°46'30"W.
N.28°36'30"E. 951.57' (DEEDS)
N.28°45'13"E. 950.72' (FIELD)
N.28°30'57"E. 948.33'
DYAL ROAD (PAVED/PUBLIC)
20.00'
30.00'
20.00'

Lake City • (386) 755-3633
Fax • (386) 752-5456

Jacksonville • (904) 381-8901
Fax • (904) 381-8902

Quincy • (850) 442-3495
Fax • (850) 442-4008

CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

P.O. Box 1625, Lake City, FL 32056-1625
4784 Rosselle St. • Jacksonville, FL 32254
2230 Greensboro Hwy., Quincy, FL 32351

JOB NO.: 08-285
DATE TESTED: 7-21-08

REPORT OF IN-PLACE DENSITY TEST

ASTM METHOD: ✓ (D-2922) Nuclear ____ (D-2937) Drive Cylinder ____ Other

PROJECT: Christ Central Ministries - Addition

CLIENT: Bryan Zuecher Const. # 27189

GENERAL CONTRACTOR: SAC EARTHWORK CONTRACTOR: SAC

SOIL USE (SEE NOTE): 6- Column Pads SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: C. Day

MODIFIED (ASTM D-1557): ✓ STANDARD (ASTM D-698): ____

TEST NO.	Column Pads TEST LOCATION	TEST: ___DEPTH ___ELEV. ___LIFT	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST PERCENT	% MAX. DENS.
5	Column Pad 1	12"	1	105.5	102.7	2.8	97
6	Column Pad 3	12"	1	104.3	100.0	4.3	95
7	Column Pad 5	12"	1	106.8	103.9	2.9	98
8	Column Pad 7	12"	1	104.2	100.3	3.9	95
9	Column Pad 9	12"	1	109.3	103.4	5.7	98
10	Column Pad 11	12"	1	108.0	104.0	3.9	98
11	Column Pad 13	12"	1	109.6	104.0	5.3	98
12	Column Pad 15	12"	1	104.1	101.3	2.7	96
13	Column Pad 17	12"	1	105.5	102.5	2.9	97

REMARKS: Started from N.E Corner going South. Checked every other pad.

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
1	Tan Fine Sand	105.8	11.3

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test location and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

Freeman Design Group inc
Engineers · Planners
128 SW Nassau St
Lake City, FL 32025
Phone 386-758-4209
Fax 386-758-4290

27189

7/21/08

Columbia County Bldg. Dept.
Lake City, Florida

Re: Christ Central Ministries Storage Building

To Whom It May Concern:

The concrete slab for the Christ Central Ministries storage building was originally designed with a 6" slab and reinforced with 4"x4" W4.0xW4. welded wire mesh. No loads heavier than 100 psf shall be anticipated and the slab may be reduced to 4" in thickness. The reinforcing required shall be 6"x6" W1.4xW1.4 welded wire mesh. If you have any questions, please call me at (386) 758-4209.

Sincerely,

William H. Freeman

William H. Freeman
PE# 56001
CA# 8701

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 26-4S-16-03189-003 **Building permit No.** 000027189

Use Classification COMM.STORAGE BLDG **Fire:** 72.75

Permit Holder BRYAN ZECHER **Waste:**

Owner of Building CHRIST CENTRAL MINISTRIES **Total:** 72.75

Location: 217 SW DYAL RD, LAKE CITY, FL

Date: 09/16/2008

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

COLUMBIA COUNTY BUILDING DEPARTMENT

COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 WITH 2005 & 2006 Supplements

ALL REQUIREMENTS LISTED ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES. ALL PLANS OR DRAWING SHALL PROVIDED CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FBC FIGURE 1609 STATE OF FLORIDA WIND-BORNE DEBRIS REGION & BASIC WIND SPEED MAP

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ---------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ---------- 110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

GENERAL REQUIREMENTS:

All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void.
If the design professional is an architect or engineer legally registered under the laws of this state regulating the practice of architecture as provided for in Chapter 481, Florida Statutes, Part I, or engineering as provided for in Chapter 471, Florida Statutes, then he or she shall affix his or her official seal to said drawings, specifications and accompanying data, as required by Florida Statute.

- **Two (2) complete sets of plans containing the following information**:

Building

1. Site requirements: N/A
   - Parking
   - Fire access
   - Vehicle loading
   - Driving/turning radius
   - Fire hydrant/water supply/post indicator valve (PIV)
   - Set back/separation (assumed property lines)
   - Location of specific tanks, water lines and sewer lines
   - All exterior elevations views
   - Total height of structure form established grade

2. Occupancy group use and special occupancy requirements.

3. Minimum type of permitted construction by code for occupancy use.

4. Fire-resistant construction requirements shall be shown, include the following components:
   - ✓ Fire-resistant separations
   - ✓ Fire-resistant protection for type of construction
   - ✓ Protection of openings and penetrations of rated walls
   - ✓ Fire blocking and draftstopping and calculated fire resistance

5. Fire suppression systems shall be shown include:
   - ✓ Early warning smoke evacuation systems Schematic fire sprinklers
   - ✓ Standpipes
   - ✓ Pre-engineered systems
   - Riser diagram

6. Life safety systems shall be shown include the following requirements:
   - Occupant load and egress capacities
   - Early warning
   - Smoke control
   - Stair pressurization
   - Systems schematic

7. Occupancy load/egress requirements shall be shown include:
   - Occupancy load
   - Gross
   - Net
   - Means of egress
   - Exit access
   - Exit
   - Exit discharge
   - Stairs construction/geometry and protection
   - Doors
   - Emergency lighting and exit signs
   - Specific occupancy requirements
   - Construction requirements
   - Horizontal exits/exit passageways

8. Structural requirements shall be shown include:
   - Soil conditions/analysis
   - Termite protection
   - Design loads
   - Wind requirements
   - Building envelope
   - Structural calculations (if required)
   - Foundation
   - Wall systems
   - Floor systems
   - Roof systems
   - Threshold inspection plan
   - Stair systems

9. Materials shall be shown include the following:
   - Wood
   - Steel
   - Aluminum
   - Concrete
   - Plastic
   - Glass
   - Masonry
   - N/A Gypsum board and plaster
   - Insulating (mechanical)
   - Roofing
   - Insulation

10. Accessibility requirements shall be shown include the following:
    - Site requirements
    - Accessible route
    - Vertical accessibility
    - N/A Toilet and bathing facilities
    - N/A Drinking fountains
    - N/A Equipment
    - Special occupancy requirements

- Fair housing requirements

11. Interior requirements shall include the following: N/A
    - Interior finishes (flame spread/smoke development)
    - Light and ventilation
    - Sanitation

12. Special systems: N/A
    - Elevators
    - Escalators
    - Lifts

13. Swimming pools: N/A
    - Barrier requirements
    - Spas
    - Wading pools

14. Electrical:
    - ✓ Wiring
    - ✓ Services
    - ✓ Feeders and branch circuits
    - ✓ Overcurrent protection
    - ✓ Grounding
    - ✓ Wiring methods and materials
    - ✓ GFCIs
    - ✓ Equipment
    - ✓ Special occupancies
    - ✓ Emergency systems
    - ✓ Communication systems
    - ✓ Low voltage
    - ✓ Load calculations

15. Plumbing N/A
    - Minimum plumbing facilities
    - Fixture requirements
    - Water supply piping
    - Sanitary drainage
    - Water heaters
    - Vents
    - Roof drainage
    - Back flow prevention
    - Irrigation
    - Location of water supply line
    - Grease traps
    - Environmental requirements
    - Plumbing riser

16. Mechanical N/A
    - Energy calculations
    - Exhaust systems:
        - Clothes dryer exhaust
        - Kitchen equipment exhaust
        - Specialty exhaust systems
    - Equipment:
    - Equipment location:
        - Make-up air
        - Roof-mounted equipment
        - Duct systems

- Ventilation
- Combustion air
- Chimneys, fireplaces and vents
- Appliances
- Boilers
- Refrigeration
- Bathroom ventilation
- Laboratory

17. Gas N/A

- Gas piping
- Venting
- Combustion air
- Chimneys and vents
- Appliances
- Type of gas
- Fireplaces
- LP tank location
- Riser diagram/shutoffs

- **Notice Of Commencement:**

A Recorded (in the Columbia County Clerk Office) **Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done**

- **Disclosure Statement for Owner Builders**

N/A Private Potable Water:

- Size of pump motor
- Size of pressure tank
- Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS:

- **1.Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all construction projects.

- **2. Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser is required.
  A copy of property deed is also requested. (386) 758-1084

- **3.Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic tank approval or sewer tap is required (386)758-1058

- **4.City Approval:** If the project is located within the city limits of the Town of Fort White prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit.

- **5.<u>Flood Information:</u>** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) **has been** established shall meet the requirements of section 8.8 of the Columbia County Land Development Regulations. Any project that is located within a flood zone where the base flood elevation (100 year flood) **has not been** established shall meet the requirements of section 8.7 of the Columbia County Land Development Regulations. **<u>CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.</u>**
  A development permit will also be required. **The development permit cost is $10.00**

- **6.<u>Driveway Connection:</u>** If the property does not have an existing access to a public road, then an application for a culvert permit must be made **($5.00)**. Culvert installation for commercial, industrial and other uses shall **conform to the approved site plan or to the specifications of a registered engineer. Joint use culverts will comply with Florida Department of Transportation specifications**. If the project is to be located on a F.D.O.T. maintained road, then an F.D.O.T. access permit is required.

- **7.<u>Suwannee River Water Management District Approval:</u>** All commercial projects must have an SRWMD permit issued or an exemption letter, before a building will be issued.

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No 2502-0525
(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

Section 1: General information (Treating Company information)

Company Name: **Florida Pest Control & Co.**

Company Address: **536 SE Baya Dr** City: **Lake City** State: **Fl** Zip **32025**

Company Business License No. **3460** Company Phone No. **386-752-1703**

FHA/VA Case No. (if any) ____

Section 2: Builder Information

Company Name ____ Phone No. ____

Section 3: Property Information

Location of Structure (s) Treated (Street Address or Legal Description, City, State and Zip) ____

Type of Construction (More than one box may be checked) ☐ Slab ☐ Basement ☐ Crawl ☐ Other ____

Approximate Depth of Footing: Outside ____ Inside ____ Type of Fill ____

Section 4: Treatment Information

Date(s) of Treatment ____

Brand Name of Product(s) Used **Bora-Care**

EPA Registration No. **64405-1**

Approximate Final Mix Solution % **1.0**

Approximate Size of Treatment Area: Sq. ft. ____ Linear ft. ____ Linear ft. of Masonry Voids ____

Approximate Total Gallons of Solution Applied ____

Was treatment completed on exterior? ☐ Yes ☐ No

Service Agreement Available? ☐ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) ____

Comments ____

Name of Applicator(s) ____

Certification No. (if required by State law) ____

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature _____ Date _____

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. 18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729,3802)

Form NPCA-99-B may still be used

form **HUD-NPCA-99-B** (04/2003)

SUBSURFACE EXPLORATION
CHRIST CENTRAL MINISTRIES-BUILDING ADDITION
LAKE CITY, COLUMBIA COUNTY, FLORIDA
CTI PROJECT NO. 08-00285-01

--- Prepared for ---

Bryan Zecher Construction, Inc.
P.O. Box 815
Lake City, Florida 32055

--- Prepared by ---

Cal-Tech Testing, Inc.
P. O. Box 1625
Lake City, Florida 32056-1625

May 29, 2008

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

P.O. Box 1625 • Lake City, FL 32056 Tel. (386) 755-3633 • Fax (386) 752-5456
4784 Rosselle Street • Jacksonville, FL 32254 Tel. (904) 381-8901 • Fax (904) 381-8902
2230 Greensboro Highway • Quincy, FL 32351 Tel. (850) 442-3495 • Fax (850) 442-4008

May 29, 2008

Bryan Zecher Construction, Inc.
P.O. Box 815
Lake City, Florida 32055

Attention: Mr. Bryan Zecher, President

Subject: Report of Subsurface Exploration
Christ Central Ministries-Building Addition
Lake City, Columbia County, Florida
CTI project No. 08-00285-01

Dear Mr. Zecher:

Cal-Tech Testing, Inc. (CTI) has completed the subsurface exploration for the new building addition at the existing Christ Central Ministries facility. Our work was planned and performed in general accordance with our proposal dated May 22, 2008. Authorization to this work was provided by you on May 22, 2008. This report briefly outlines our understanding of the planned construction, describes the field exploration, presents the collected data, and provides our geotechnical engineering evaluation of the subsurface conditions, with respect to the planned construction and estimated structural loading conditions. Also included in this report are our recommendations for the design and construction of the building foundations.

Introduction

The purpose of this exploration was to develop information concerning the site and subsurface conditions in order to evaluate site preparation requirements and foundation support recommendations for the proposed addition at the existing Christ Central Ministries church. The subject site is located on the east side of Dyal Road approximately 1,400 feet south of CR 242 in Lake City, Columbia County, Florida. The proposed building addition will be constructed approximately 10 feet east of the existing activities center. We understand the addition will consist of a 80' by 80' one-story, structural steel building.

Detailed structural loading information has not been provided to us; however, we assume that bearing wall and individual column loads will not exceed 4 kips per lineal foot and 125 kips, respectively. We anticipate that soil-supported floor live loads will not exceed 150 psf. We also anticipate that finished floor elevation will be at or near the existing ground surface with new earthwork fill not to exceed 12 inches to achieve desired finished subgrade elevations.

Field Program

Our field program consisted of performing four (4) Standard Penetration Test (SPT) borings within the proposed building addition. The SPT borings were performed on May 23, 2008 and extended 15 feet below the existing ground surface. The borings were located in the field by you at the approximate locations shown on the attached Field Exploration Plan.

Sampling and penetration procedures of the SPT borings were accomplished in general accordance with ASTM D-1586, "*Penetration Test and Split-Barrel Sampling of Soils*", using a power rotary drill rig. The standard penetration tests were performed by driving a standard 1-3/8" I.D. and 2" O.D. split spoon sampler with a 140 pound hammer falling 30 inches. The number of hammer blows required to drive the sampler a total of 18 inches, in 6 inch increments, were recorded. The penetration resistance or "*N*" value is the summation of the last two 6 inch increments and is illustrated on the attached boring logs adjacent to their corresponding sample depths. The penetration resistance is used as an index to derive soil parameters from various empirical correlations. The borings were performed using a **BK-51 (continuous flight auger with manual hammer) drill rig**.

The attached record of boring logs presents the descriptions of the subsurface conditions encountered at the time of our field program, and also provide the penetration resistances recorded during the drilling and sampling process. The stratification lines and depth designations on the boring record represent the approximate boundaries between the various soils encountered, as determined in the field by our personnel. In some cases, the transition between the various soils may be gradual.

Subsurface Conditions

The soil profile as disclosed by SPT borings B-1 through B-4 consisted of about 2½ to 4½ feet of tan, silty fine sand (SP-SM) underlain by about 1½ to 7 feet of tan to yellowish tan, fine sand (SP) with trace of silt. This layer is underlain by about 3½ to 7 feet of reddish brown and light gray, mottled, clayey fine sand (SC). Beneath this stratum at the location of SPT borings B-3 and B-4, the soil profile consisted of about 3 to 4 feet of tan and light gray, mottled, silty sandy clay (CL). The SPT borings were terminated at a depth of 15 feet below the existing ground surface.

In general, the sandy soils have a very loose to medium dense relative density with "*N*" values ranging from 4 to 22 Blows Per Foot (BPF). The clayey soils have very stiff consistency with "*N*" values ranging from 16 to 17 BPF.

Groundwater Conditions

The depth to the groundwater was measured at the boring locations at the time of completion of drilling. The groundwater table was not encountered in any of the test borings. We note that due to the relatively short time frame of the field exploration, the groundwater may not have had sufficient time to stabilize. For a true "stabilized" groundwater level reading, piezometers may be required. In any event, fluctuation in groundwater levels should be anticipated due to seasonal climatic conditions, construction activities, rainfall variations, surface water runoff, and other site-specific factors.

General Area Geology/Sinkhole Potential

A cursory review of the site geology indicates the subject project is underlain by Undifferentiated Quaternary Sediments (**Qu**) of the Pleistocene and Holocene epochs. These sediments consist of siliciclastics, organics and freshwater carbonates. The siliciclastics are light gray, tan, brown to dark, unconsolidated to poorly consolidated, clean to clayey, silty, fossiliferous, variably organic-bearing sands to blue green to olive green, poorly to moderately consolidated, sandy, silty, clays. Freshwater carbonates "*marls*" are buff colored to tan, unconsolidated to poorly consolidated, fossiliferous (mollusks) carbonate muds containing organics.

The limestone in this area consists of carbonate rock and its weathered residuum. In **Columbia** County, Florida and the surrounding areas, the limestone is marked by solution features (sinkholes) associated with *karst* terrains. Sinkholes are primarily caused by an advanced state of internal soil erosion or raveling action, which under certain circumstances can lead to ground subsidences. This internal soil erosion is a very slow process by which soil particle usually migrate under the influence of a hydraulic gradient to underlying Karsted and/or fractured limestone formation. A review of the Sinkhole Database issued by the Florida Geological Survey indicates a number of sinkhole occurrences within a 3½-mile radius of the subject site. It should be noted that only reported sinkholes are documented in this database. Our site observation and results of the test borings did not reveal presence of active sinkholes within the explored areas. Therefore, it is our opinion the proposed development on this site will have no greater risk of damage due to sinkhole activity than development of structures in other areas within the immediate vicinity of the subject site.

Foundation Recommendations

Based on the data obtained during this exploration, and the anticipated structural loading and grading conditions, it is our opinion the proposed building addition can be supported on a conventional shallow foundation system. This shallow foundation system may be designed using a maximum allowable soil bearing pressure of 2,000 psf. A detailed settlement analysis was beyond the scope of this exploration. However, based on our experience, the assumed loads, and the available site and subsurface information, we anticipate the new addition should experience total and differential settlements of less than 1 inch and ½-inch, respectively. We note that these settlement estimates are based on the structural loading and site grading assumptions stated previously. If the grading or structural assumptions are incorrect, we should be notified so that we can reevaluate our recommendations.

Site Clearing/Grading

Initial site preparation should consist of relocating existing utilities that fall within the new construction areas. The perimeter areas may need to be graded to help direct surface water runoff away from the planned construction areas.

Foundation Size and Bearing Depth

The minimum width recommended for isolated spread-type footings and continuous wall footings is 24 and 18 inches, respectively. All exterior footings should bear at a depth of at least 18 inches below the exterior final grades. Interior footings should bear at a depth of at least 18 inches below the interior floor slab. These recommended minimum-bearing depths should provide the necessary confinement for the foundation bearing level soils.

To alleviate differential settlement of the existing structure due to new imposed loads, the footing bearing elevation of the new building addition should be made to bear at the elevation of the existing footing system.

Bearing Material

The foundations should bear in either natural soils, or in compacted structural fill/backfill. If sandy soils exist at the footing bearing level, they should be compacted to densities equivalent to 95 percent of the modified Proctor maximum dry density (ASTM D 1557). Compaction should not be attempted on clayey soils at the footing bearing level (if any encountered). Rather they should be excavated using a smooth bucket/shovel, and replaced with a working platform of 10 to 12-inches of coarse concrete aggregate or two to three inches of lean concrete mud mat.

Ground Floor Slab Support

The ground floor slab for the proposed addition may be constructed directly on a re-compacted fine sand subgrade. Structural fill soils placed directly beneath the slab should be compacted to a minimum of 95 percent of the modified Proctor maximum dry density (ASTM D-1557) to a depth of at least 12 inches. Proper jointing should be installed around columns and walls to allow slabs and foundations to settle differentially.

Site & Fill Compaction

We recommend that exposed and underlying soils be compacted to densities equivalent to 95 percent of the modified Proctor maximum dry density (ASTM D-1557). To compact the exposed and underlying soils, we recommend using a roller that has a static at-drum weight on the order of four to five tons and a drum diameter on the order of four feet (the roller should operate in static mode to avoid damage to the existing foundation system). The initial compaction operations should also consist of at least eight overlapping passes of the roller in each direction. This compaction effort should help improve the overall uniformity and bearing conditions of the near-surface soils. **Caution should be exercised during the compaction of soils adjacent to the existing building. Compaction of fill placed adjacent to the existing footing system may be accomplished using plate tamper.**

Using a roller meeting the above requirements, structural fill required to raise the site to the planned finish grades may then be placed in loose lifts not exceeding 12 inches in thickness, and should then be compacted to densities similar to those recommended above. For ease of construction and compaction, we recommend that structural fill consist of a non-plastic, inorganic, granular soil containing less than 10 percent material passing the 200 mesh sieve (i.e., relatively clean sand). The upper fine sands encountered in our boring should meet this criteria.

Report Limitations

This report has been prepared for the exclusive use of **Bryan Zecher Construction, Inc. of Lake City, Florida** for the specific application to the project discussed herein. Our conclusions and recommendations have been rendered using generally accepted standards of geotechnical engineering practice in the State of Florida, no other warranty is expressed or implied. **CTI** is not responsible for the interpretations, conclusions, opinions, or recommendations of others based on the data contained herein. We note that assessment of environmental conditions for the presence of pollutants in the soil, rock, or groundwater at the site was beyond the scope of the exploration. Field observations, monitoring, and quality assurance testing during earthwork and foundation installation are an extension of the geotechnical design. We recommend that the owner retain these services and that **CTI** be allowed to continue our involvement in the project through these phases of construction. During construction, we accept no responsibility for job site safety; which is the sole responsibility of the contractor.

We appreciate the opportunity to provide our engineering analysis and evaluation of the subsurface conditions at this site. Please contact us if you have any questions concerning this report or if we may be of any further service to you.

Very truly yours,
Cal-Tech Testing, Inc.

David B. Brown
Executive Vice President

Nabil O. Hamdi, P.E.
Senior Geotechnical Engineer
Licensed, Florida No. 57842

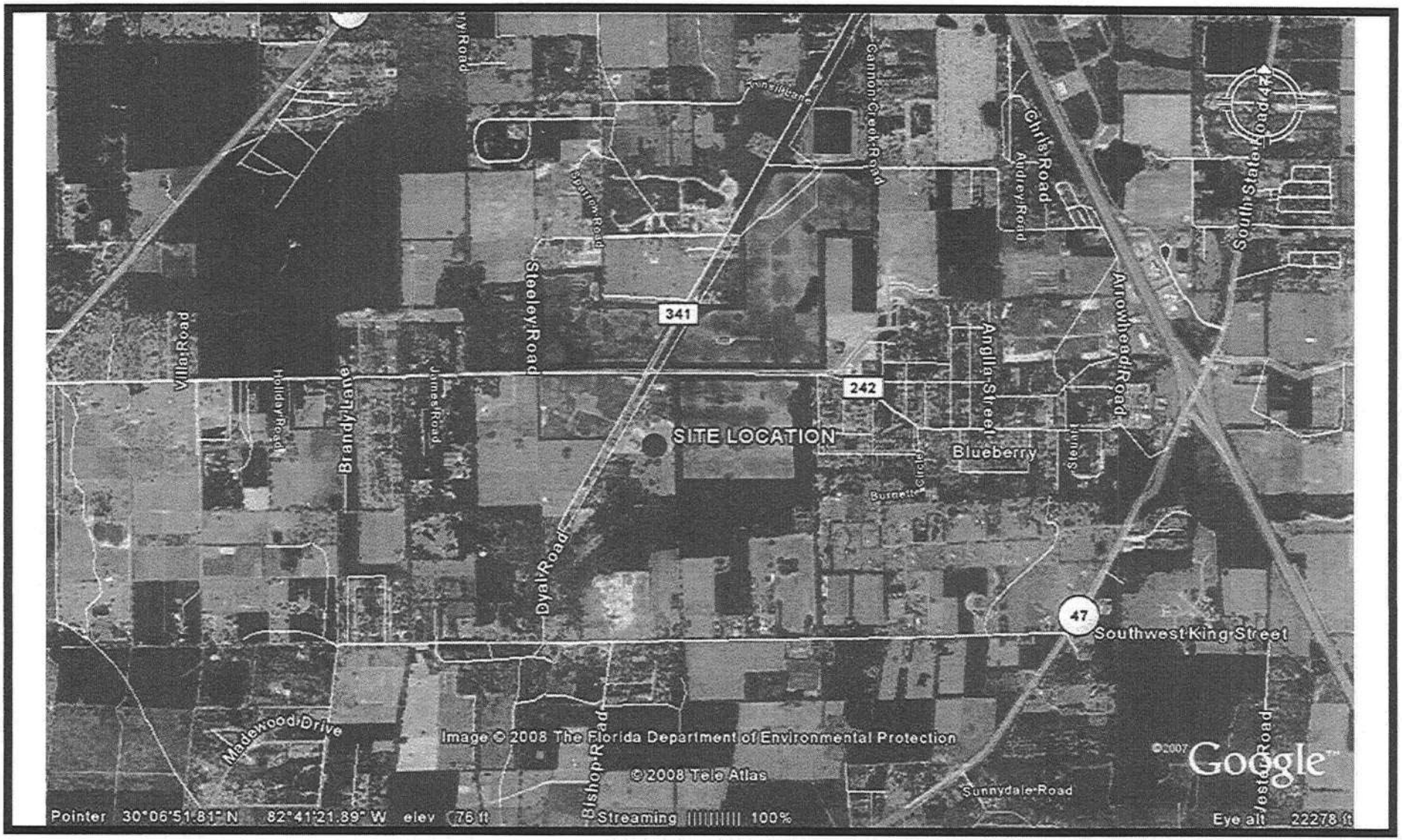
5/29/08

COPY

Distribution: *File (1 copy)*
Addressee (3 copies)

Attachments: *Vicinity Map (1 page)*
Field Exploration Plan (1 page)
Record of Auger Boring (4 page)
Unified Soil Classification System (1 page)
Key To Test Data (1 page)

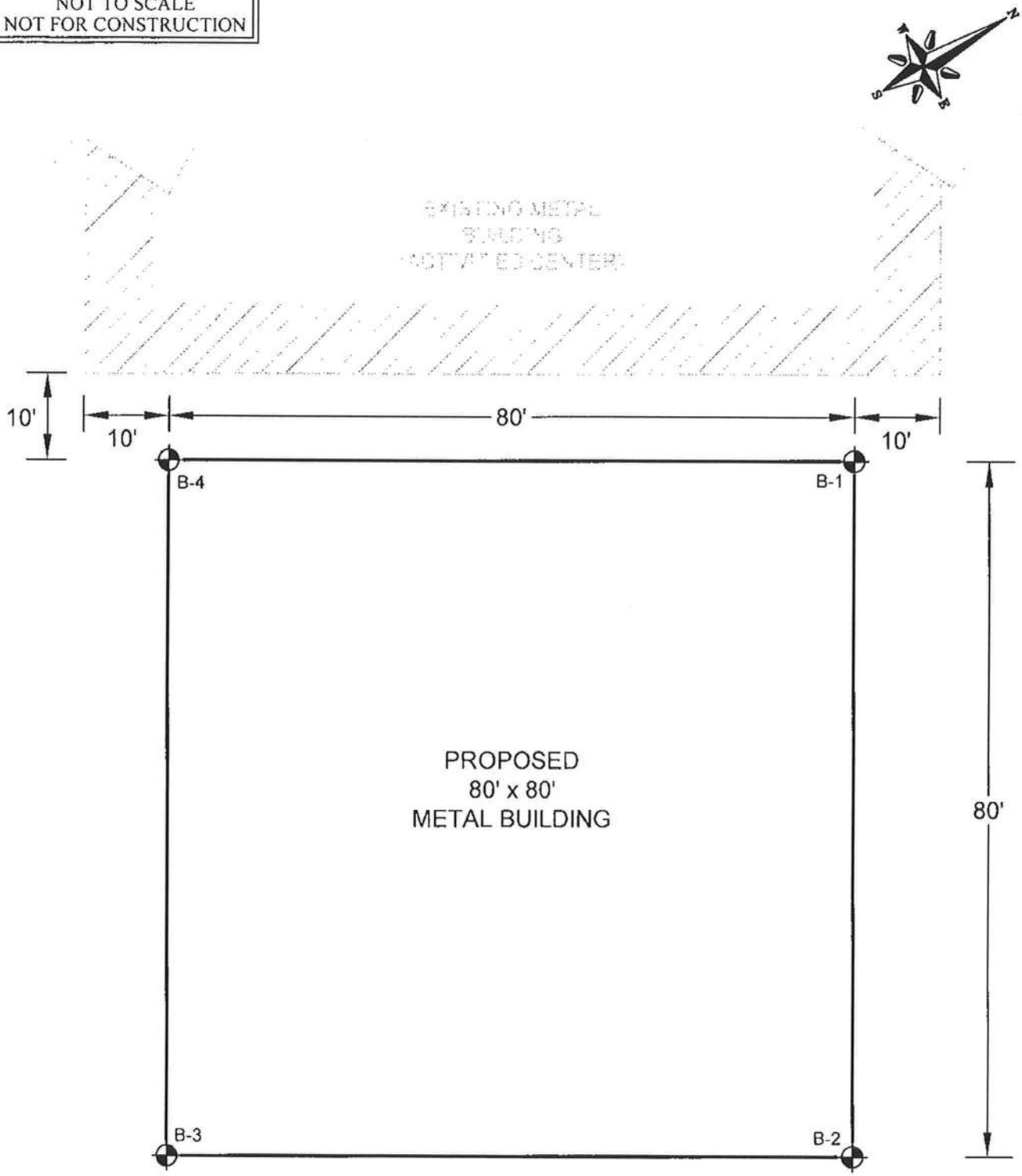
ATTACHMENTS



CAL-TECH TESTING, INC. **P.O. Box 1625** **Lake City, Florida 32056-1625** **Phone: (386) 755-3633** **Fax: (386) 752-5456**	**VICINITY MAP** **Addition to Christ Central Ministries** **Lake City, Columbia County, Florida** **Cal-Tech Testing Project No. 08-00285-01**

Figure 1

FOR ILLUSTRATION ONLY
NOT TO SCALE
NOT FOR CONSTRUCTION



Standard Penetration Test Boring by CTI on 05/23/2008

SUBSURFACE EXPLORATION ADDITION TO CHRIST CENTRAL MINISTRIES LAKE CITY, COLUMBIA COUNTY, FLORIDA	**CAL-TECH TESTING, INC.** **P.O. Box 1625** **Lake City, Florida 32056-1625** **Phone: (386) 755-3633** **Fax: (386) 752-5456**	FIELD EXPLORATION PLAN

Project No. 08-00285-01		DATE: 05/29/2008	FIGURE: 2
DRAWN:	APPROVED:	SCALE: N.T.S.	SHEET: 1/1

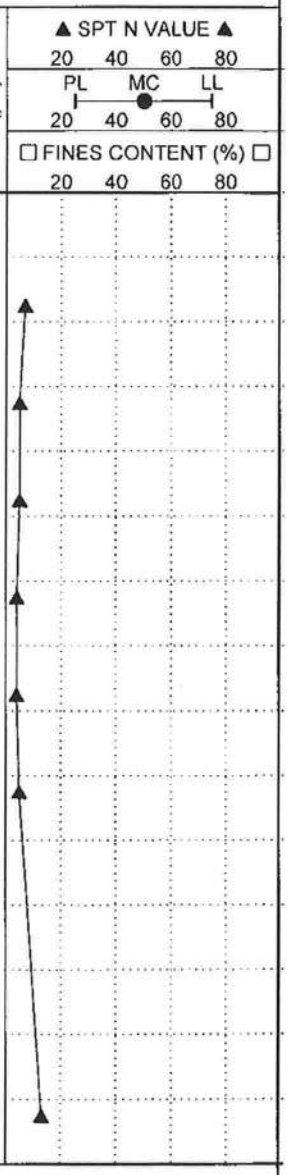
0.0

CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-01

CLIENT Bryan Zecher Construction, Inc.
PROJECT NAME Addition to Christ Central Ministries
PROJECT NUMBER 08-00285-01
PROJECT LOCATION Lake City, Columbia County, Florida
DATE STARTED 05/23/08 COMPLETED 05/23/08
GROUND ELEVATION 0 ft HOLE SIZE
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger
AT TIME OF DRILLING ---
LOGGED BY N.H. CHECKED BY
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (Manual Hammer)
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		grayish tan, silty fine sand (SP-SM)					
			SPT 1	100	3-3-4 (7)		
			SPT 2	100	2-3-2 (5)		
5		tan to yellowish tan, fine sand (SP) with trace silt	SPT 3	100	2-2-3 (5)		
			SPT 4	100	2-2-2 (4)		
			SPT 5	100	2-2-2 (4)		
10			SPT 6	100	2-2-3 (5)		
		reddish brown and light gray, mottled, clayey fine sand (SC)					
15			SPT 7	100	5-6-7 (13)		



Bottom of borehole at 15.0 feet.

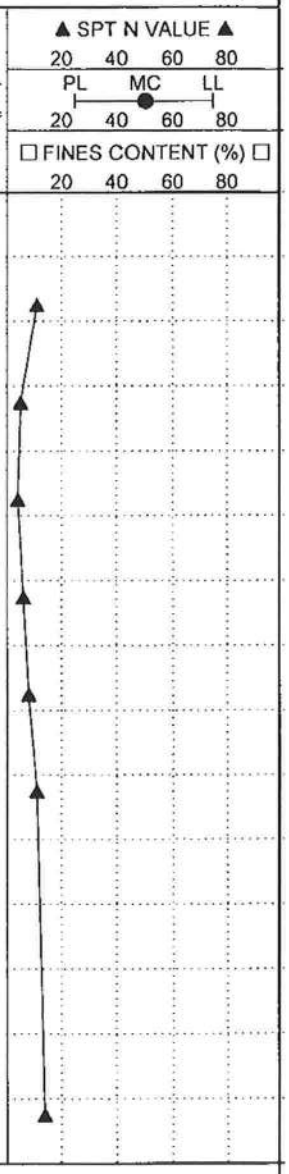
GEOTECH BH PLOTS - GINT STD US LAB.GDT - 05/29/08 13:49 - \\CALTECHSERVER\ALL LAKE CITY PROJECTS\2008\08-00285-01\08-00285-01.GPJ

CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-02

CLIENT Bryan Zecher Construction, Inc.
PROJECT NAME Addition to Christ Central Ministries
PROJECT NUMBER 08-00285-01
PROJECT LOCATION Lake City, Columbia County, Florida
DATE STARTED 05/23/08 COMPLETED 05/23/08
GROUND ELEVATION 0 ft HOLE SIZE
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger
AT TIME OF DRILLING ---
LOGGED BY N.H. CHECKED BY
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (Manual Hammer)
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		grayish tan, silty fine sand (SP-SM)					
			SPT 1	100	3-5-6 (11)		
		tan to yellowish tan, fine sand (SP) with trace silt	SPT 2	100	2-3-2 (5)		
5			SPT 3	100	2-2-2 (4)		
			SPT 4	100	2-3-3 (6)		
			SPT 5	100	4-4-4 (8)		
10		reddish brown and light gray, mottled, clayey fine sand (SC)	SPT 6	100	4-5-6 (11)		
15			SPT 7	100	5-6-8 (14)		



Bottom of borehole at 15.0 feet.

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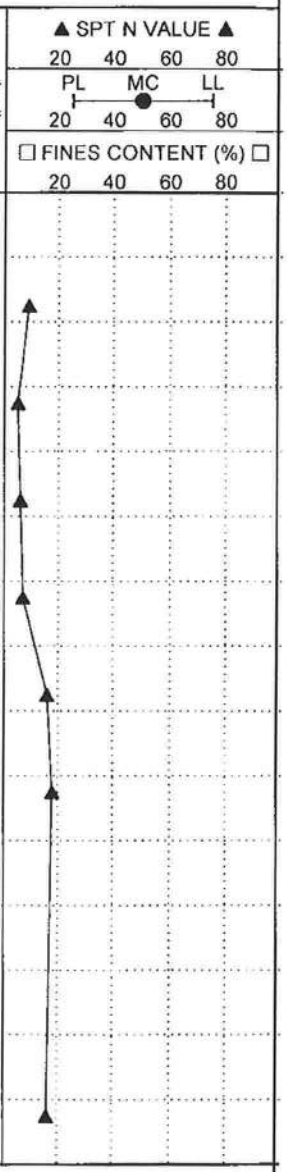
CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-03

CLIENT Bryan Zecher Construction, Inc.
PROJECT NAME Addition to Christ Central Ministries
PROJECT NUMBER 08-00285-01
PROJECT LOCATION Lake City, Columbia County, Florida
DATE STARTED 05/23/08 COMPLETED 05/23/08
GROUND ELEVATION 0 ft HOLE SIZE
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger
AT TIME OF DRILLING ---
LOGGED BY N.H. CHECKED BY
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (Manual Hammer)
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		grayish tan, silty fine sand (SP-SM)					
			SPT 1	100	3-4-5 (9)		
		tan to yellowish tan, fine sand (SP) with trace silt	SPT 2	100	3-2-3 (5)		
5			SPT 3	100	2-3-3 (6)		
			SPT 4	100	3-3-4 (7)		
		reddish brown and light gray, mottled, clayey fine sand (SC)	SPT 5	100	3-6-10 (16)		
10			SPT 6	100	6-8-10 (18)		
		tan and light gray, mottled, silty sandy clay (CL)					
15			SPT 7	100	5-7-9 (16)		



Bottom of borehole at 15.0 feet.

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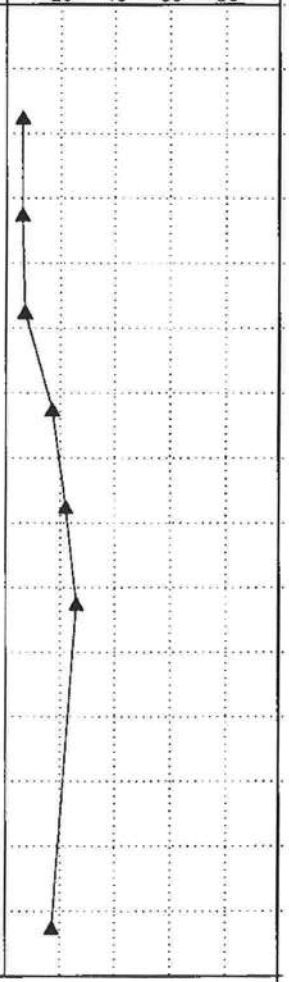
CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-04

CLIENT Bryan Zecher Construction, Inc.
PROJECT NAME Addition to Christ Central Ministries
PROJECT NUMBER 08-00285-01
PROJECT LOCATION Lake City, Columbia County, Florida
DATE STARTED 05/23/08 COMPLETED 05/23/08
GROUND ELEVATION 0 ft HOLE SIZE
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Continuous Flight Auger
AT TIME OF DRILLING ---
LOGGED BY N.H. CHECKED BY
AT END OF DRILLING --- Not Encountered
NOTES BK-51 (Manual Hammer)
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)
0		grayish tan, silty fine sand (SP-SM)					
			SPT 1	100	2-3-3 (6)		
		tan to yellowish tan, fine sand (SP) with trace silt	SPT 2	100	2-3-3 (6)		
		reddish brown and light gray, mottled, clayey fine sand (SC)	SPT 3	100	3-3-4 (7)		
5			SPT 4	100	3-7-10 (17)		
			SPT 5	100	7-10-12 (22)		
			SPT 6	100	9-12-14 (26)		
10		tan and light gray, mottled, silty sandy clay (CL)					
			SPT 7	100	5-7-10 (17)		
15							

▲ SPT N VALUE ▲ 20 40 60 80
PL MC LL 20 40 60 80
☐ FINES CONTENT (%) ☐ 20 40 60 80



Bottom of borehole at 15.0 feet.

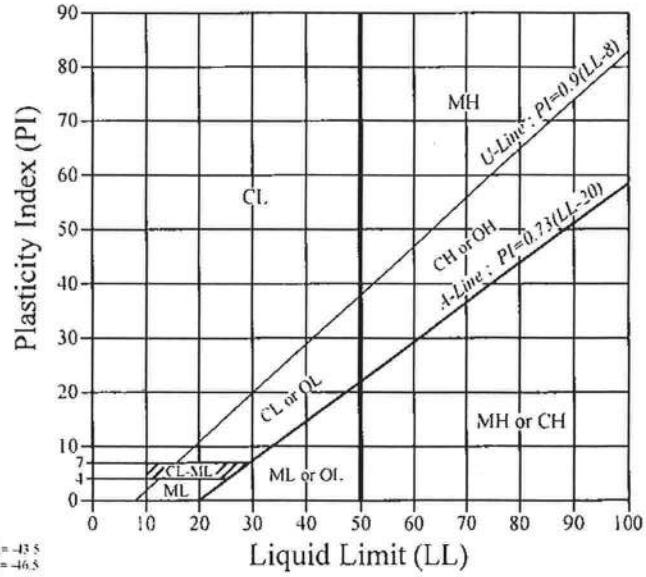
GEOTECH BH PLOTS - GINT STD US LAB.GDT - 05/29/08 13:49 - \\CALTECHSERVER\ALL LAKE CITY PROJECTS\2008\08-00285-01\08-00285-01.GPJ

UNIFIED SOIL CLASSIFICATION SYSTEM
ASTM DESIGNATION D-2487

MAJOR DIVISIONS			GROUP SYMBOL	TYPICAL NAMES	LABORATORY CLASSIFICATION CRITERIA		
COARSE GRAINED SOILS (More than half of the material is larger than No. 200 sieve)	Gravels (more than half of the coarse fraction is larger than No. 4 sieve)	Clean gravels	GW	Well-graded gravels, gravel-sand mixtures, little or no fines.	Determine percentage of sand and gravel from grain size curve Depending on percentage of fines (fraction smaller than No. 200 Sieve size), coarse grained soils are classified as follows: Less than 5% ..... GW, GP, SW, SP More than 12% ... GM, GC, SM, SC 5 to 12% ..... Borderline cases requiring dual symbols	$C_u = \frac{D_{60}}{D_{10}} > 4$; $1 < C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} < 3$	
			GP	Poorly graded gravels, gravel-sand mixture, little or no fines.		Not meeting all gradation requirments of GW	
		Gravel with fines	GM	Silty gravels, gravel-sand-silt mixtures.		Atterberg Limits below A-Line or PI less than 4	Above A-Line with PI between 4 and 7 are borderline cases requiring the use of dual symbols.
			GC	Clayey gravels, gravel-sand-clay mixtures.		Atterberg Limits above A-Line or PI greater than 7	
	Sands (more than half of the coarse fraction is smaller than No. 4 sieve)	Clean sands	SW	Well-graded sands, gravelly sands, little or no fines.		$C_u = \frac{D_{60}}{D_{10}} > 6$; $1 < C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} < 3$	
			SP	Poorly graded sands, gravelly sands, little or no fines.		Not meeting all gradation requirments of SW	
		Sands with fine	SM	Silty sands, sand-silt mixtures.		Atterberg Limits below A-Line or PI less than 4	Limits plotting in hatched zone with PI between 4 and 7 are borderline cases requiring the use of dual symbols.
			SC	Clayey sands, sand-clay mixtures.		Atterberg Limits above A-Line or PI greater than 7	
FINE GRAINED SOILS (More than half of the material is finer than No. 200 sieve)	Silts and Clays (LL less than 50)		ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity.			
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clay.			
			OL	Organic silts and organic silty clays of low plasticity.			
	Silts and Clays (LL greater than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.			
			CH	Inorganic clays of high plasticity, fat clay.			
			OH	Organic clays of medium to high plasticity, organic silts.			
	Highly Organic Soils		Pt	Peat and other highly organic soils.			

PLASTICITY CHART

1. Plot intersection of PI as determined by the Atterberg Limits tests.
2. Points plotted above the A-Line indicate clay soils.
3. Points plotted below the A-Line indicate silt.



LL= 43.5
PI = 46.5

CAL-TECH TESTING, INC.
P.O. Box 1625
Lake City, Florida 32056-1625
Phone: 386-755-3633 Fax: 386-752-5456

5% Max. Passing the U.S. No. 200 Sieve ..... SP
5% - 12% Passing the U.S. No. 200 Sieve ..... SM-SP
12% - 50% Passing the U.S. No. 200 Sieve ..... SM/SC

KEY TO TEST DATA

STANDARD PENETRATION TEST:-

Soil sampling and penetration testing is performed in accordance with ASTM D-1586. The standard penetration resistance ("*N*") is the number of blows of a 140-pound hammer falling 30 inches to drive a 2-inch O.D., 1.4-inch I.D. split spoon sampler one foot.

ROCK CORE DRILLING:-

Rock sampling and core drilling is performed in accordance with ASTM D-2113. The rock quality designation percentage (RQD) is determined by summing only pieces of core that are at least 4 inches long, and dividing by the "run" length.

Relation of RQD and In-situ Rock Quality	
RQD (%)	Rock Quality
90 –100	Excellent
75 – 90	Good
50 –75	Fair
25 – 50	Poor
0 – 25	Very Poor

RELATIVE DENSITY:-

SANDS:

Very loose - less than 4 blows/ft.
Loose - 5 to 10 blows/ft.
Medium - 11 to 30 blows/ft.
Dense - 31 to 50 blows/ft.
Very dense - over 50 blows/ft.

SILTS AND CLAYS:

Very soft - less than 2 blows/ft.
Soft - 3 to 4 blows/ft.
Medium stiff - 5 to 8 blows/ft.
Stiff - 9 to 15 blows/ft.
Very stiff - 16 to 30 blows/ft.
Hard - 31 to 50 blows/ft.
Very hard - over 50 blows/ft.

ROCKS:

Soft - Rock core crumbles when handled.
Medium - Can break core with hands.
Moderately hard - Thin edges of rock core can be broken with fingers.
Hard - Thin edges of core can not be broken with fingers.
Very hard - Can not be scratched with knife.

GROUNDWATER:- Water levels shown on boring logs are taken immediately upon completion of boring, and are intended for general information. The apparent level may have been altered by the drilling process. Groundwater levels, if desired, can be monitored over a long time interval.

FEES:

ROAD IMPACT FEE $3,447.12 CODE 150 UNIT 6,360 sq. ft.
10100003632400

EMS IMPACT FEE $63.60
10300003632210

FIRE PROTECTION IMPACT FEE $254.40
10200003632220

CORRECTIONS IMPACT FEE N/A
00100003632200

SCHOOL IMPACT FEE N/A
00100003632900

TOTAL FEES CHARGED $3,765.12 CHECK NUMBER 5879

NOTICE OF INSPEC
AND/OR TREATM
27189

Date of Inspection
7-21-08