DATE 06/24/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027111

APPLICANT BECKY DUGAN PHONE 752-8653

ADDRESS PO BOX 815 LAKE CITY FL 32056

OWNER K2 INVESTMENT PROP,LLC/K2 DEVELOPMENT PHONE 752-8653

ADDRESS 268 SW CULLEN AVE FORT WHITE FL 32038

CONTRACTOR BRYAN ZECHER PHONE 752-8653

LOCATION OF PROPERTY 47 S, R 27, 1ST LEFT CULLEN AVE, SITE ON THE CORNER OF CULLEN & 27

TYPE DEVELOPMENT CD, SUBWAY SHOP ESTIMATED COST OF CONSTRUCTION 193000.00

HEATED FLOOR AREA 1392.00 TOTAL AREA 1392.00 HEIGHT 18.80 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING FORT WHITE MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT REAR SIDE

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

PARCEL ID 00-00-00-14424-001 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 0.26

000001622		CBC054575	Becky Dugan	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
CULVERT PERMIT	08-0394	BK	WR	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: CITY OF FORT WHITE COMPLIANCE LETTER IN FILE, FIRE DEPARTMENT APPROVAL SIGNED ON BP APPLICATION

Check # or Cash 5805

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by Foundation ____ date/app. by Monolithic ____ 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 $ 965.00 CERTIFICATION FEE $ 6.96 SURCHARGE FEE $ 6.96

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ CULVERT FEE $ 25.00 **TOTAL FEE** 1003.92

INSPECTORS OFFICE L. Hodson 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.

Columbia County Building Permit Application

For Office Use Only Application # 0806-08 Date Received 6-5-08 By CF Permit # 27111/1622

Zoning Official _____ Date _____ Flood Zone _____ FEMA Map # _____ Zoning _____

Land Use _____ Elevation _____ MFE _____ River _____ Plans Examiner Col. B. Lee Date 6/23/08

Comments _____

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

☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Authorization from Contractor DOT OK JTH

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

Septic Permit No. 08-0394 Fax 758-8920

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

Address P.O. Box 815, Lake City, FL 32056

Owners Name K2 Development / K2 Investment Properties, LLC Phone _____

911 Address 268 SW Cullen Ave, Ft White, FL 32038

Contractors Name Bryan Zecher Construction, Inc Phone 752-8653

Address P.O. Box 815, Lake City, FL 32056

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address GTC Design Group / Mark Disosway, P.E.

Mortgage Lenders Name & Address Mercantile / 187 SW Baya Dr / Lake City, FL 32025

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

Property ID Number 00-00-00-14424-001 Estimated Cost of Construction $193,000.00

Subdivision Name — Lot ____ Block ____ Unit ____ Phase ____

Driving Directions From US Hwy 90, take Hwy 41 South to SR 47 South to Fort White. Turn Right onto Hwy 27 in Ft. White. Take 1st Left onto Cullen Ave. Job site is SW corner of Cullen and Hwy 27. Number of Existing Dwellings on Property 1

Construction of commercial building Total Acreage .261 ac Lot Size _____

Do you need a - (Culvert Permit) or Culvert Waiver or Have an Existing Drive Total Building Height 18' 8"

Actual Distance of Structure from Property Lines - Front 54' Side 17' Side 50' Rear 20'

Number of Stories 1 Heated Floor Area 1392 Total Floor Area 1392 Roof Pitch 6/12

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.

Spoke to Bryan 6/23/08

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.

Jimmy Ward JR
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 CBC054575
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 5th **day of** June **20** 08.
Personally known ✓ **or Produced Identification** _____

Rebecca Dugan
State of Florida Notary Signature (For the Contractor)

SEAL:

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

Town of Fort White

Post Office Box 129 Fort White, Florida 32038-0129
Town Hall - (386) 497-2321 • Public Works - (386) 497-3345 • Fax (386) 497-4946
Email: townofftwhite@alltel.net • Web site: Townoffortwhitefl.com

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

FILE No 058

OWNER'S NAME: K-2 Development

ADDRESS: 224 SW Tabernacle Glen Lake City, FL 32025

PROPERTY DESCRIPTION: 280 SW Cullen Avenue .58 Acres parcel #14426-001

DEVELOPMENT: Subway Sandwich Shop / New Construction

You are hereby authorized to issue the appropriate permits

5-29-08
DATE

Janice Revels (JR)
LDR ADMINISTRATOR
Town of Fort White

>> Print as PDF <<

See Florida Limited Liability Company Sheets

COMM NE COR BLK 56 OF MAP OF FT WHITE, N 60 FT TO SE COR OF BLK 55 OF SAID MAP, W 121.79 FT, N 88.18 FT, E 1.0 FT, N

K2 INVESTMENT PROPERTIES LLC
224 SW TABERNACLE GLEN
LAKE CITY, FL 32025

00-00-00-14424-001

Columbia County 2008 R
CARD 001 of 001
PRINTED 4/15/2008 15:21 BY JEFF
APPR 5/21/2007 DFDB

BUSE		AE?	HTD AREA	.000	INDEX	16.00	DIST 4	PUSE	000100 SINGLE FAMILY
MOD	BATH		EFF AREA	46.206	E-RATE	.000	INDX	STR 33- 6S- 16	
EXW	FIXT		RCN				AYB	MKT AREA 02	0 BLDG
%	BDRM		%GOOD		BLDG VAL		EYB	(PUD1	2,050 XFOB
RSTR	RMS							AC .261	45,600 LAND
RCVR	UNTS		FIELD CK:			HX AppYr 2001		NTCD	0 AG
%	C-W%		LOC: 280 CULLEN AVE SW FT WHITE					APPR CD	0 MKAG
INTW	HGHT							CNDO	47,650 JUST
%	PMTR							SUBD	0 CLAS
FLOR	STYS							BLK	
%	ECON							LOT	0 SOHD
HTTP	FUNC							MAP#	0 ASSD
A/C	SPCD								0 EXPT
QUAL	DEPR							TXDT 004	0 COTXBL
FNDN	UD-1								
SIZE	UD-2							BLDG TRAVERSE	
CEIL	UD-3								
ARCH	UD-4								
FRME	UD-5								
KTCH	UD-6								
WNDO	UD-7								
CLAS	UD-8								
OCC	UD-9								
COND	%								

SUB A-AREA % E-AREA SUB VALUE

PERMITS

NUMBER	DESC	AMT	ISSUED

SALE

BOOK	PAGE	DATE		PRICE
1139	2783	11/07/2007	Q V	80000

GRANTOR ROGER W DAVIS
GRANTEE K2 INVESTMENT PROPERTIES LLC

TOTAL

GRANTOR
GRANTEE

EXTRA FEATURES

AE	BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT	PRICE	ADJ UT PR	SPCD %	%GOOD	XFOB VALUE
Y		0294	SHED WOOD/VI				1		0000	1.00	1.000	UT	1330.000	1330.000		100.00	1,330
Y		0120	CLFENCE 4	40		8	1		1993	1.00	320.000	LF	4.500	4.500 AP	50.00	50.00	720

FIELD CK:

AE	LAND CODE	DESC	ZONE	TOPO	ROAD UTIL	UD1 UD2	UD3 UD4	FRONT	DEPTH BACK	DT	ADJUSTMENTS	UNITS	UT	PRICE	ADJ UT PR	LAND VALUE
Y	000000	VAC RES									1.00 1.00 1.00 1.00	11400.000	SF	4.000	4.00	45,600

2008

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 5/23/2008 **DATE ISSUED:** 5/27/2008

ENHANCED 9-1-1 ADDRESS:

268 SW CULLEN AVE
FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

00-00-00-14424-001

Remarks:

Subway

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1204

Florida Limited Liability Company

K 2 DEVELOPMENTS,LLC.

Filing Information

Document Number	L06000058808
FEI Number	061783247
Date Filed	06/08/2006
State	FL
Status	ACTIVE
Effective Date	06/05/2006

Principal Address

19975 NW 244TH STREET
UNIT # 20
HIGH SPRINGS FL 32643

Changed 02/17/2008

Mailing Address

224 SW TABERNACLE GLEN
LAKE CITY FL 32025

Registered Agent Name & Address

SNIDER, KEN R
224 SW TABERNACLE GLEN
LAKE CITY FL 32025 US

Manager/Member Detail

Name & Address

Title MGR

SNIDER, KEN R
224 SW TABERNACLE GLEN
LAKE CITY FL 32025 FL

Title MGR

WARD, GARRY W JR
394 SW FINLEY LITTLE LANE
LAKE CITY FL 32024 FL

Title MGR

SNIDER, KARRI D
224 SW TABERNACLE GLEN
LAKE CITY FL 32025

Title MGR

WARD, HEATHER A
394 SW FINLEY LITTLE LANE
LAKE CITY FL 32024 FL

Florida Limited Liability Company

K2 INVESTMENT PROPERTIES, LLC

Filing Information

Document Number	L07000110954
FEI Number	261352286
Date Filed	11/01/2007
State	FL
Status	ACTIVE
Effective Date	10/30/2007

Principal Address

224 SW TABERNACLE GLEN
LAKE CITY FL 32025 US

Mailing Address

224 SW TABERNACLE GLEN
LAKE CITY FL 32025 US

Registered Agent Name & Address

SNIDER, KEN R
224 SW TABERNACLE GLEN
LAKE CITY FL 32025 US

Manager/Member Detail

Name & Address

Title MGR

SNIDER, KEN R
224 SW TABERNACLE GLEN
LAKE CITY FL 32025 US

Title MGR

WARD, GARRY W JR
394 SW FINLEY LITTLE LANE
LAKE CITY FL 32024 US

Title MGR

SNIDER, KARRI D
224 SW TABERNACLE GLEN
LAKE CITY FL 32025 US

Title MGR

WARD, HEATHER A
394 SW FINLEY LITTLE LANE
LAKE CITY FL 32024 US

Prepared by and return to:

Mercantile Bank
Business Banking Post Closing
1311 N. Westshore Blvd., Ste. 101
Tampa, FL 33607

Inst:200812011576 Date:6/19/2008 Time:8:37 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 3 B:1152 P:2037

NOTICE OF COMMENCEMENT

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement:

1. Legal description of property:

   See "Exhibit A" attached hereto and made a part hereof.

   Street address of property: 280 SW Cullen Ave., Fort White, FL 32038

2. General description of improvement: Subway restaurant

3. Owner information:

   a. Name and address: K2 Investment Properties, LLC
   2808 SW Cullen Ave.
   Fort White, FL 32038

   b. Interest in property: Fee simple

   c. Name and address of fee simple title holder (if other than owner): N/A

4. Contractor name and address: Bryan Zecher Construction, Inc.
   465 NW Orange St.
   Lake City, FL 32055

5. Surety:

   a. Name and address: N/A

b. Amount of bond: N/A

6. Lender name and address: Mercantile Bank
Attn: Commercial Construction Admin.
9715 Gate Parkway N.
Jacksonville, FL 32246

7. Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes, name and address: N/A

8. Expiration date of notice of commencement (the expiration is one year from the date of recording unless a different date is specified):

K2 Investment Properties, LLC,
a Florida limited liability company

by: _____
Ken R. Snider, Manager/Member

By: Karri D. Snider
Karri D. Snider, Manager/Member

By: Garry Ward Jr.
Garry Ward, Jr., Manager/Member

By: Heather Ward
Heather Ward, Manager/Member

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 17th day of June, 2008, by Ken R. Snider, Karri D. Snider, Garry Ward, Jr. and Heather Ward, Manager/Members of K2 Investment Properties, LLC, who (✓) are personally known to me, or ( ) have produced a Florida driver's license as identification, and who did take an oath.

MARK FEAGLE
Notary Public, State of Florida
My Comm. Expires Sept. 9, 2011
Comm. No. DD 712782

Print name : Mark Feagle
Notary Public for State of Florida
(Seal)

EXHIBIT "A"

A parcel of land lying in Section 33, Township 6 South, Range 16 East, Columbia County, Florida, being more particularly described as follows:

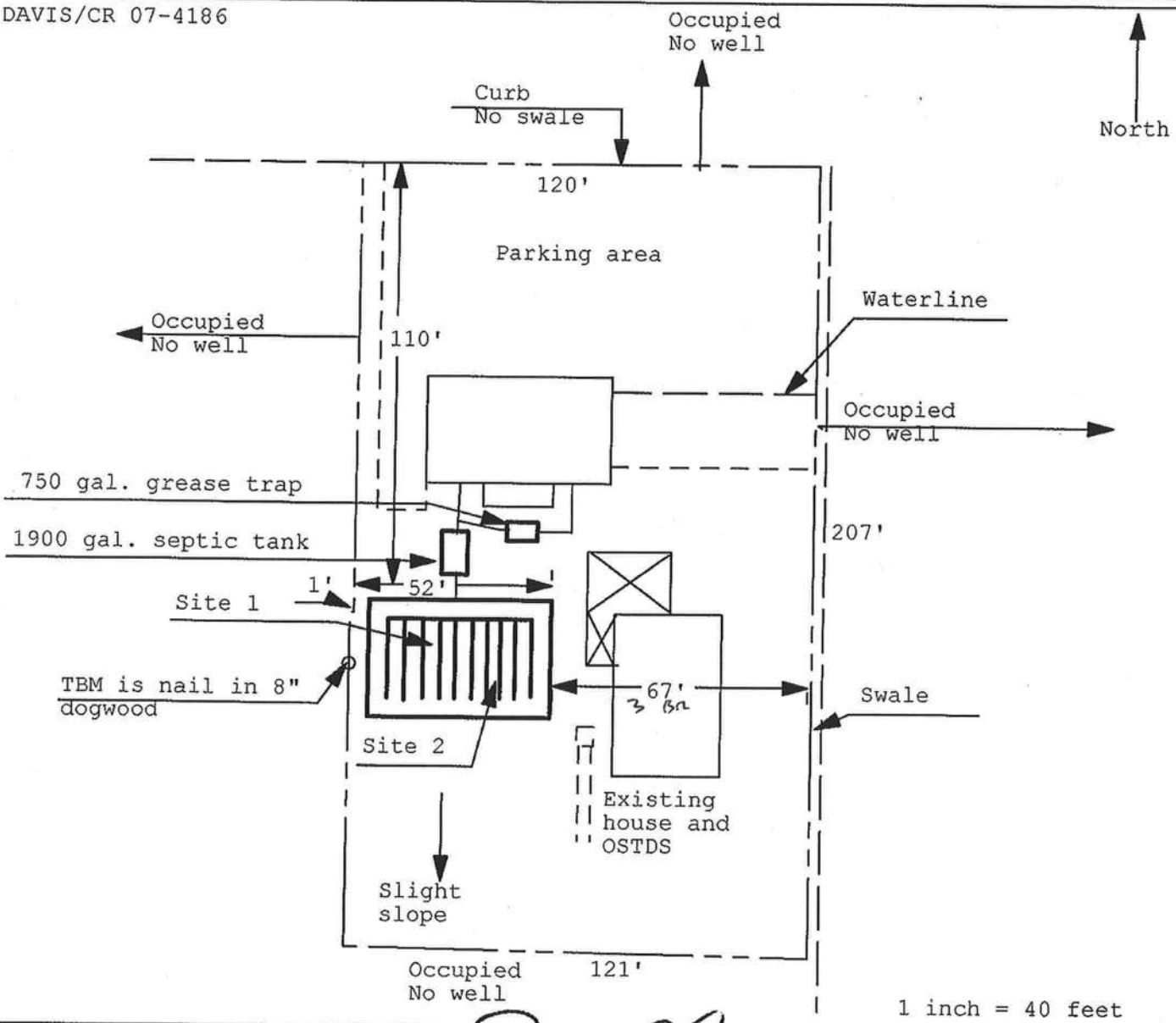
For a Point of Reference, commence at a 4" x 4" concrete monument at the Northeast corner of Block 65 of the map or plat of the City of Fort White, as recorded in Plat Book 1, Page 48 of the Public Records of Columbia County, Florida; thence run on an assumed bearing of North 00°13'41" East, a distance of 60.00 feet to a ½" rebar and cap marked L.B. 6894 at the Southeast corner of Block 55 of said plat, on the North right of way line of Ellis Street (60' right of way) and the Point of Beginning; thence run North 89°27'28" West, along said right of way line, a distance of 121.79 feet to a ½" rebar and cap marked L.B. 6894; thence departing said right of way line, run North 00°25'43" East, a distance of 88.18 feet to a ½" rebar and cap marked L.B. 6894; thence run South 89°27'28" East, a distance of 1.00 feet to a ½" rebar and cap marked L.B. 6894; thence run North 00°25'43" East, a distance of 117.61 feet to a ½" rebar and cap marked L.B. 6894 on the South right of way line of U.S. 27 & 41, known as Jordan Street per plat (60' right of way); thence run North 90°00'00" East along said right of way line a distance of 119.79 feet to a ½" rebar and cap marked L.B. 6894 at the Northeast corner of aforementioned Block 55; thence departing said right of way line, run South 00°25'43" West along the West right of way line of Cullen Avenue (60' right of way), a distance of 206.92 feet to the Point of Beginning.

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 08-0394

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

DAVIS/CR 07-4186



Site Plan Submitted By Paul Lloyd **Date** 1/18/08

Plan Approved ✓ **Not Approved** ____ **Date** 6-20-08

By [signature] Columbia **CPHU**

Notes: _____

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001622

DATE 06/24/2008 PARCEL ID # 00-00-00-14424-001

APPLICANT BECKY DUGAN PHONE 752-8653

ADDRESS PO BOX 815 LAKE CITY FL 32056

OWNER K2 INVESTMENTS PROP,LLC/KE DEVELOPMET PHONE 752-8653

ADDRESS 268 SW CULLEN AVE FORT WHITE FL 32038

CONTRACTOR BRYAN ZECHER PHONE 752-8653

LOCATION OF PROPERTY 47 S, R 27, 1ST LEFT ON CULLEN ON THE CORNER OF CULLEN & 27

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

SIGNATURE Becky Dugan

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[X] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other SEE DESIGN ON ENGINEERNG SITE PLAN

WITH A MINIMUM OF THE FIRST BOX CHECKED

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

Lake City Maintenance Office
Post Office Box 1415
Lake City, Florida 32056-1415

STEPHANIE C. KOPELOUSOS
SECRETARY

FDOT
Lake City Maintenance
Permits Department
Post Office Box 1415
Lake City, Fl. 32056-1415

Date: 1-17-08

RECEIVED
JAN 18 2008
GTC DESIGN GROUP

GTC Design Group, LLC
Mr. Brett Crews, P. E.
P.O. Box 187
Live Oak, Fl. 32064

RE: Approved FDOT Commercial Access Connection Permit
State of Florida, FDOT Access Permit No: 2007-A-292-63

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for
FILE COPY
Code Compliance
PLANS EXAMINER

Project Name: K-2Development-Subway
Access Permit Category: C
State Section No: 29050
State Highway No. 20, (US 27)
Mile Post Location: 7.067 + -

Mr. Crews:

This cover letter acknowledges your request on behalf of your client, Mr. Gary Ward, Legal Permit Representative whose last current address is 394 SW Finley Lane, Lake City, Fl. 32024 in proposed new commercial one-way out Urban Flared egress access connection to State Highway No. 20 in The Town of Fort White, Columbia County, Florida. As Mr. Ward's permitting agent, you are legally notified that permission is hereby granted by the Florida Department of Transportation in making the following related permitted access improvements and/or modifications according to the attached and approved State FDOT permit and per FDOT Specifications. You are advised that this approved permit is valid for 365 days commencing on the date of approval as shown on the attached State Permit however, be aware of the time restriction clause below.

PERMIT CONSTRUCTION TIME LIMIT NOTICE

You are further advised that once construction has legally commenced you shall have only 30 continuous calendar days (not counting weekends or state holidays) in which to complete construction of the approved access. Note: Legal permit commencement is when the engineer or permittee has made legal contact to the Lake City Maintenance, Permits Office for the express purpose of activating said approved access permit.

CONSTRUCTION TIME LIMIT NOTICE

Failure to complete said access permit construction within this time period shall void the approved permit at which time the permit shall be considered in non-compliance with the permit procedures and/or provisions. No permitted work/construction can commence without the legal activation notice and the required pre-construction meeting having taken place.

Access Connection Details

Proposed for construction onto State Highway No. 10 is a single **fourteen (14') foot wide, one way out only, Urban Flared concrete egress driveway connection**. This new permitted out only driveway shall be constructed in accordance with FDOT Design Standard Index No. 515, Sheet No. 2 of 6 of Plan "A" of the 2008 FDOT Design Standards Manual. The new concrete connection shall require a 12 inch earth subgrade to be compacted to a tested minimum density of 98% before any concrete pour can be made with the concrete material requiring a 3000 psi or better cure out strength. This connection shall require thermoplastic pavement markings and aboveground signs as permitted. The main entrance to the permitted property shall be by way of an existing side street connection that lies off of State FDOT R/W. The point shown as requiring asphalt materials starting at the back of the sidewalk concrete area shall be constructed with a minimum of 2 inches asphalt and 8 inches of limerock compacted base rock, 98% density required. This single new egress (out only) travel lane shall be constructed with a single fourteen (14') foot wide concrete & asphalt paved lane per the approved plans shown on sheet 8 of the approved plan. Two A.D.A. Ramps with visual impaired Truncated Domes treatment (Detectable Warning) mats are required to be constructed. The new proposed connection shall be considered a Class C, Commercial Access Connection and as such may not exceed the maximum total vehicular trips allowed under this approved category permit.

FDOT R/W Driveway Subgrade Requirements

The new proposed driveway's single travel lane both asphalt and concrete sections shall require a minimum 12 inch stabilized earth subgrade and the concreted areas shall require a minimum 98% compacted density with proof of tested and passing minimum density of 98% with an LBR of 40 with three density tests being required.

Special Concrete Requirements

The concrete mix cannot be of Glass Fibered or P-Gravel Rock Design. Concrete must be from an approved and Certified FDOT concrete plant with the mix having either 57 or 67 stone or at least .25 of an inch clean river rock stone aggregate as the only principle stone aggregate. The main concrete slab shall be a minimum of eight (8") inches in depth with wire mesh being required with the side concrete driveway flare & warp angles requiring 6'/4' alignment distances, (See Sheet 8.) The new drop curb's back section (from flow line) and the new main concrete slab (travel lane) shall not exceed the maximum grade slope of 10% (off flat) with both structures having matching grade slope at the cold joint point, (refer to the driveway side profile for additional information.) **The required new 24 inch wide concrete Drop Curb (see index 300), shall be formed up and constructed as a separate concrete pour to itself.** Two A.D.A. Ramps shall be constructed if required, with the crosswalk areas being on no more than a maximum 2% grade slope. A minimum of 2 inches of compacted FDOT Type SP-12.5 asphalt mix shall be required from the edge of pavement and thereafter onto the permittee's property to the back of the full turn radii per the approved site plan.

Be aware that all concrete materials utilized upon FDOT Right-of-Way shall be from a FDOT Certified Batch Plant and the mix delivered shall meet or exceed a minimum cure-out of 3000 p.s.i. Truck delivery tickets shall be delivered to the FDOT Inspector who is required to be on site, before the concrete can be emptied from the truck, each delivery truck shall rotate their batch drum on HIGH revolutions for a minimum of 2 minutes before starting the pour.

Concrete tickets from each truck delivery shall be provided to the required on-site FDOT Permits Inspector and the ticket shall provide the type, class, cure-out strength and total Cubic Yards. **Note: Glass Fibered nor P-Grout aggregate concrete shall not be allowed to be utilized under this approved access permit. The new required 24 inch wide drop curb (see index 300) shall be formed up with metal forms only. Truncated Dome, A.D.A. Early Warning Detection Mats shall be constructed in accordance with FDOT's most current specifications and shall be constructed while the FDOT Inspector is on-site. Refer to FDOT Standard Design Index No. 304, 2008 edition for specific design buildout and acceptance information.**

Pavement Striping and Signage Requirements

Per the approved permit and site plan the completed asphalt surface course of the exit (out only) shall require a 24 inch white thermoplastic pavement STOP Bar to be constructed. The STOP Bar shall be placed 4 feet behind the existing back of sidewalk point at its nearest point. An FDOT Pavement Arrow shall also be required to be constructed per the approved site plan. **All thermoplastic marking materials shall be "Certified Lead Free" Materials with Night Reflectivity being required.** A single Series 600, R1-1 aboveground 30 inch by 30 inch diameter STOP SIGN shall be required to be constructed as shown being placed 5 foot off-set from EOP. The exit point shall also have two R5-1 "DO NOT ENTER" Signs placed (again at 5 foot off-sets), with one set to each side of the new driveway lane, facing out to the State Highway side. All aboveground signs proposed to be constructed as part of this approved permit shall be constructed per approved site plan and in accordance with FDOT Index No. 17302, Sheet 1 of 1 and Index 11860. All metal posts on FDOT shall be aluminum three (3") inch or greater in diameter and set at a minimum height of 7 feet from FDOT EOP elevation grade with Z-brackets per FDOT Index No. 11860. **Note: All aboveground signs that are required under this approved permit shall be constructed in place and have received a passing inspection before final asphalt paving shall be allowed to commence.**

Removal of the Existing Urban Flared Concrete Connection

Any pre-existing driveways within the property frontage shall be required to be completely removed with complete restoration of the state right-of-way to FDOT Specifications. Once removed the site of the old driveway shall receive new earth fill with all new Type "F" concrete curb and gutter and standard FDOT sidewalk (Match existing side grades) with grass sod over all.

Notice of Final Approved Plans Interpretation
The Local Permits Office having jurisdiction over the approved permit shall have final determination over all approved plan & construction concepts and method details that could affect the FDOT Right-of-Way Property.

Notice of Pre-Construction Meeting (MANDATORY REQUIREMENT)
The Permittee and his/her construction supervisor(s) shall meet a minimum of 48 hours in advance of activation of this permit, so that all parties will have an opportunity to read in detail this attached cover letter, review its plans and be provided the opportunity to ask any questions he or she may have in regards to this permit.

It shall be the Permittee's responsibility to contact the local Permits Office no later than 48 hours in advance of the planned activation/construction commencement date, so that this provision can be completed satisfactory to all parties involved. **BE AWARE: THIS IS A MANDATORY PERMIT PROVISION!! FAILURE TO COMPLETE THIS SPECIAL PROVISION SHALL BE REASON FOR SUSPENSION OF THE APPROVED PERMIT!**

Grass Sod Requirement Details
All slopes, shoulders, ditches, and other disturbed areas within the limits of the proposed paved turnout radii, shall be completely grass sodded with Certified Coastal Bermuda grass. **Note: all grass shall be installed, watered and inspected for evidence of growth, before any paving can commence under this permit. Failure to complete this provision can be reason for temporary suspension of this permit.**
NOTICE: ALL R/W RESTORATION AND REQUIRED GRASS SOD SHALL BE PLACED DOWN AND INSPECTED BEFORE ANY ASPHALT/CONCRETE PAVING CAN COMMENCE UNDER THIS APPROVED PERMIT.

Save Harmless Clause
Please refer to the approved permit, cover Letter and site plan drawings and if attached addendum for Access type, location and construction details. **Refer to this legal cover letter, the approved connection permit for additional General and Special Provisions that could alter construction design plans other than those shown on the attached site plan. A copy of the approved site plan and the permit itself shall be on site at all times.** Construction on the Department of Transportation's Right-of-Way shall meet all of the Department's Standard Construction Specifications and Safety Criteria.
This Permit is issued with the understanding that a Department approved contractor shall perform all construction in accordance with F.D.O.T. Specifications and that all costs of construction shall be borne by the applicant.

It is also understood and agreed that the rights and privileges herein set out, are granted only to the extent of the State's Right, Title and Interest in the land to be entered upon and used by the holder, and the holder will at all times, assume all risk of and indemnify, defend, and save harmless the State of Florida and the Department from and against any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercise by said holder of the aforesaid rights and privileges.

The old driveway shall be completely removed with restoration complete before any new permitted access construction can commence. All aboveground signs required shall also be in place and have received passing FDOT inspection.

Concrete Pre-Treatment: (Required for concrete special pavement markings)
Any area upon the new concrete areas that are to receive permanent pavement markings, (STOP BAR/LANE STRIPING) shall receive a chemical pre-treatment before the final thermoplastic materials are placed down. Note: FDOT Inspector shall be on site for this phase of the project. The Permittee or his/her contractor shall set up a mutually agreeable time for this inspection. The new connection shall not be utilized at any time before the FDOT Permits Office has made their final permitted site inspection with a passing grade inspection being received, with evidence of same to the Permittee.

MINIMUM FDOT SPECIFICATIONS REQUIRED
All construction shall be to the most current F.D.O.T. Roadway and Traffic Design Standards and F.D.O.T. Standard Specifications for Road and Bridge Construction. All construction shall be per approved permit, cover letter, special provisions, and signed and sealed site plans and shall conform to all current F.D.O.T. Specifications and Inspections. No work can commence on F.D.O.T. right- of-way before the approved Maintenance of Traffic Plan is in place and working correctly. The FDOT Permits Staff shall have final say as to any conflicts of interest that may occur before, during or after the construction phase.

Subgrade and Base DensityTesting
The proposed earth subgrade base course shall be compacted to a passing maximum density of 98%. Limerock density shall meet or exceed 98%. Proof of passing density shall be forwarded to the local FDOT Permits Inspector a minimum of 48 hours in advance of any planned paving or concrete placement commencement with a minimum of three tests required to be submitted. The Permittee, and/or his/her General Contractor shall contact the FDOT Permits Office for location for all tests sites. No concrete pours or asphalt paving can be started without proof of passing density, type, or class tests have been received to the FDOT Permits Office.

STATE & FEDERAL SPECIAL CURB RAMP A.D.A. / DETECTABLE WARNING TREATMENT
Per the approved permit once the correct concrete public sidewalk curb ramps have been constructed the permittee shall construct curb ramp (A.D.A) Detectable Warning Truncated Dome per FDOT Index No. 304, sheet 1 of 5 of the 2004 Design Standards Manual. Contact FDOT for additional information before placement is made.

Roadway, Ditch/Slope Area, Grass Sodding Requirements & R/W Restoration
All areas of the ditch line its slopes; radii and other areas that fall within the limits of the permitted access turning radii shall receive a complete coverage of Certified Coastal Bermuda Grass Sod. All other areas outside this particular area shall require a complete coverage of hulled Bermuda grass and millet seed with copious amounts of Straw Mulch covering all. All areas upon FDOT R/W shall be made clean and acceptable.

We would request your Engineer or Representative contact our Permits Coordinator, Mr. Neil E. Miles, at 710 NW Lake Jeffery Road, Lake City, Florida, 32055-2621, Phone Number (386) 961-7193 or if no answer call 961-7180, a minimum of **48** hours prior to your planned legal permit activation/commencement date. This is so we will have necessary time to assign a permits field inspector to your permitted project.

Sincerely,

Neil E. Miles
Access Permits Coordinator

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DRIVEWAY CONNECTION PERMIT FOR ALL CATEGORIES

PART 1: PERMIT INFORMATION

APPLICATION NUMBER: 2007-A-292-63

Permit Category: C Access Classification: 6

Project: K2-DEVELOPMENT SUBWAY

Permittee: GARY WARD / K2-DEVELOPMENT

Section/Mile Post: 29050 / 07.067+- State Road: 20(E)

Section/Mile Post: N/A State Road: N/A

PART 2: PERMITTEE INFORMATION

Permittee Name: GARY WARD / K2-DEVELOPMENT SUBWAY

Permittee Mailing Address: 394 SW FINLEY LANE

City, State, Zip: LAKE CITY, FL. 32024

Telephone: (386)288-6760

Engineer/Consultant/or Project Manager: GTC DESIGN GROUP,LLC.

Engineer responsible for construction inspection: CHAD WILLIAMS (NAME) P.E. #

Mailing Address: P.O. BOX 187

City, State, Zip: LIVE OAK, FL. 32064

Telephone: (386)362-3678 Mobile Phone

PART 3: PERMIT APPROVAL

The above application has been reviewed and is hereby approved subject to all Provisions as attached.

Permit Number: 2007-A-292-63

Department of Transportation

Signature: Neil E. Miles Title: PERMITS COORDINATOR

Department Representative's Printed Name NEIL E. MILES

Temporary Permit ○ YES ◉ NO (If temporary, this permit is only valid for 6 months)

Special provisions attached ◉ YES ○ NO

Date of Issuance: JAN 17 2008

If this is a normal (non-temporary) permit it authorizes construction for one year from the date of issuance. This can only be extended by the Department as specified in 14-96.007(6).

See following pages for General and Special Provisions

PART 4: GENERAL PROVISIONS

1. Notify the Department of Transportation Maintenance Office at least 48 hours in advance of starting proposed

   Phone: (386) 961-7180 , Attention: NEIL E. MILES, PERMITS COORDINATOR

2. A copy of the approved permit must be displayed in a prominent location in the immediate vicinity of the connection construction.

3. Comply with Rule 14-96.008(1), F.A.C., Disruption of Traffic.

4. Comply with Rule 14-96.008(7), F.A.C., on Utility Notification Requirements.

5. All work performed in the Department's right of way shall be done in accordance with the most current Department standards, specifications and the permit provisions.

6. The permittee shall not commence use of the connection prior to a final inspection and acceptance by the Department.

7. Comply with Rule 14-96.003(3)(a), F.A.C., Cost of Construction.

8. If a Significant Change of the permittee's land use, as defined in Section 335.182, Florida Statutes, occurs, the Permittee must contact the Department.

9. Medians may be added and median openings may be changed by the Department as part of a Construction Project or Safety Project. The provision for a median might change the operation of the connection to be for right turns only.

10. All conditions in NOTICE OF INTENT WILL APPLY unless specifically changed by the Department.

11. All approved connection(s) and turning movements are subject to the Department's continuing authority to modify such connection(s) or turning movements in order to protect safety and traffic operations on the state highway or State Highway System.

12. **Transportation Control Features and Devices in the State Right of Way.** Transportation control features and devices in the Department's right of way, including, but not limited to, traffic signals, medians, median openings, or any other transportation control features or devices in the state right of way, are operational and safety characteristics of the State Highway and are not means of access. The Department may install, remove or modify any present or future transportation control feature or device in the state right of way to make changes to promote safety in the right of way or efficient traffic operations on the highway.

13. The Permittee for him/herself, his/her heirs, his/her assigns and successors in interest, binds and is bound and obligated to save and hold the State of Florida, and the Department, its agents and employees harmless from any and all damages, claims, expense, or injuries arising out of any act, neglect, or omission by the applicant, his/her heirs, assigns and successors in interest that may occur by reason of this facility design, construction, maintenance, or continuing existence of the connection facility,except that the applicant shall not be liable under this provision for damages arising from the sole negligence of the Department.

14. The Permittee shall be responsible for determining and notify all other users of the right of way.

15. Starting work on the State Right of Way means that I am accepting all conditions on the Permit.

PART 5: SPECIAL PROVISIONS

NON-CONFORMING CONNECTIONS: ◉ YES ○ NO

If this is a non-conforming connection permit, as defined in Rule Chapters 14-96 and 14-97, then the following shall be a part of this permit.

1. The non-conforming connection(s) described in this permit is (are) not permitted for traffic volumes exceeding the Permit Category on page 1 of this permit, or as specified in "Other Special Provisions" below.

2. All non-conforming connections will be subject to closure or relocation when reasonable access becomes available in the future.

OTHER SPECIAL PROVISIONS:

REFER TO APPROVED ACCESS PERMIT, GENERAL AND SPECIAL PROVISION SHEET AND THE LEGAL ATTACHED COVER LETTER FOR OFFICIAL DRIVEWAY CONSTRUCTION AND SAFETY SPECIFICATION, AND FDOT APPROVED SITE-PLAN FOR ANY ADDITIONAL INFORMATION NEEDED TO COMPLETE DRIVEWAYS. ALL WORK APPROVED HEREIN UNDER THIS PLAN SHALL BE ACCORDING TO THE STATE FDOT'S MOST CURRENT ROADWAY AND CONSTRUCTION SPECIFICATION AT THE TIME OF ACTUAL CONSTRUCTION AND PERMIT ACTIVATION. UPON ACTIVATION THE PERMIT THE PERMITTEE HAVE (30 DAYS) TO COMPLETE ALL PHASES OF PERMITTED PROJECT. PERMITTEE SHALL ADHERE TO THE FINAL APPROVED SITE-PLAN DATED JAN 17 2008 . THIS PERMIT IS FOR: GARY WARD / K2-DEV. SUBWAY.PERMITTEE SHALL NOTIFY THE FDOT PERMITS DEPT FOR PRE-CONSTRUCTION MEETING (BEFORE) ANY WORK ON THE FDOT'S R.O.W. PROJECT CONSIST OF: COMMERCIAL D/W. ETC. WHILE WORKING ON THE FDOT'S R.O.W. APPROPRIATE (MOT) SHALL BE IN PLACE CONES, BARACADES, SIGNS, ETC. (ALL) WORKERS WITH IN 15' FEET OF THE EDGE OF THE TRAVEL WAY SUPERVISORS, CREW MEMBERS AND ANY PERSONAL ON THE (FDOTS' R.O.W.) SHALL WEAR ANSI / ISEA CLASS 2 APPAREL (AT ALL TIMES).WORKERS OPERATING MACHINERY OR EQUIPMENT IN WHICH LOOSE CLOTHING COULD BECOME ENTANGLED, SHALL WEAR FITTED H/VISIBLE SAFETY APPAREL. OTHERS WISE COULD RESULT IN (FDOT SAFETY CODE VIOLATION).

PART 6: APPEAL PROCEDURES

You may petition for an administrative hearing pursuant to sections 120.569 and 120.57, Florida Statutes. If you dispute the facts stated in the foregoing Notice of Intended Department Action (hereinafter Notice), you may petition for a formal administrative hearing pursuant to section 120.57 (1), Florida Statutes. If you agree with the facts stated in the Notice, you may petition for an informal administrative hearing pursuant to section 120. 57(2), Florida Statutes. You must file the petition with:

Clerk of Agency Proceedings
Department of Transportation
Haydon Burns Building
605 Suwannee Street, M.S. 58
Tallahassee, Florida 32399-0458

The petition for an administrative hearing must conform to the requirements of Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code, and be filed with the Clerk of Agency Proceedings by 5:00 p.m. no later than 21 days after you received the Notice. The petition must include a copy of the Notice, be legible, on 8 1/2 by 11 inch white paper, and contain:

1. Your name, address, telephone number, any Department of Transportation identifying number on the Notice, if known, the name and identification number of each agency affected, if known, and the name, address, and telephone number of your representative, if any, which shall be the address for service purposes during the course of the proceeding.
2. An explanation of how your substantial interests will be affected by the action described in the Notice;
3. A statement of when and how you received the Notice;
4. A statement of all disputed issues of material fact. If there are none, you must so indicate;
5. A concise statement of the ultimate facts alleged, including the specific facts you contend warrant reversal or modification of the agency's proposed action, as well as an explanation of how the alleged facts relate to the specific rules and statutes you contend require reversal or modification of the agency's proposed action;
6. A statement of the relief sought, stating precisely the desired action you wish the agency to take in respect to the agency's proposed action.

If there are disputed issues of material fact a formal hearing will be held, where you may present evidence and argument on all issues involved and conduct cross-examination. If there are no disputed issues of material fact an informal hearing will be held, where you may present evidence or a written statement for consideration by the Department.

Mediation, pursuant to section 120.573, Florida Statutes, may be available if agreed to by all parties, and on such terms as may be agreed upon by all parties. The right to an adminstrative hearing is not affected when mediation does not result in a settlement.

Your petition for an administrative hearing shall be dismissed if it is not in substantial compliance with the above requirements of Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code. If you fail to timely file your petition in accordance with the above requirements, you will have waived your right to have the intended action reviewed pursuant to chapter 120, Florida Statutes, and the action set forth in the Notice shall be conclusive and final.

FLORIDA DEPARTMENT OF TRANSPORTATION

CHARLIE CRIST
GOVERNOR

STEPHANIE KOPELOUSOS
SECRETARY

PERMITTEE: G. WARD/K2-DEV. SUBWAY . SEC NO: 29050 PERMIT
CAT: C M.P. 7.67+- STATE RD: 20 (E)
PROJ. DESCIPTION: COMMERCIAL D/W.

PERMIT NO: 07-A-292-63

Asst. Maintenance Engineer or Permits Coordinator Approval

NEIL E. MILES, PERMITS COORDINATOR

THE FOLLOWING ARE ADDITIONAL SPECIAL PERMIT PROVISIONS THAT ARE A LEGAL PART OF THIS PERMIT & DO APPLY TO THE ABOVE REFERENCED PERMIT, IF SO MARKED MUST BE COMPLYED WITH IN ADDITIONAL TO THE GENERAL PROVISIONS.

1. XXX All portions of the FDOT right-of-way disturbed during construction under this permit shall be mulched seeded and /or 2 feet of grass sod placed adjacent to the driving lane, or as called for under the approved permit & per FDOT specifications.
2. XXX Permitted shall restore wildflowers disturbed during permitted construction with new seed to be (amount and & method) determined by Mr. Dick Bush, District Landscaping Engineer. Seed shall be delivered to Lake City Maintenance, Permits Office before commencement of permitted placement.
3. XXX The Permitted will contact the appropriate city, county, state government agency; a minimum of forty-eight (48) hours in advance of starting excavation within the area of any signalized intersection.
4. XXX the Permitted can be required to physically relocate (move), as so indicated under this permit at a future date, due to proposed future or on-going FDOT roadway construction planned within the limits of the permitted area.
5. XXX existing utilities may be located within the construction area. Prior to permit approval, permitted shall locate and notify all utilities within the proposed limits of construction and or permitted area and obtain detailed information from the utility owners as to possible conflicts between utilities and permit tee's work. Permitted shall be responsible for pre & post permit coordination, and all adjustments and shall be solely responsible for resolving any conflicts of utilities, either before or during or after the final permitting. The Permitted shall be solely responsible for any and all damages to existing utilities and/or damage to third parties caused by interference with or damage to existing utilities. The Permitted shall show positive proof that all utility owners with existing interest in the area permitted, have been previously contacted in advance of final permit approval.
6. XXX No business is to be done on FDOT right-of-ways, if vehicles are to be serviced on roadside with pumps, Pump islands must be located at least twelve (12) feet from right-of-way line.
7. XXX Driveway permits are granted to permit access to abutting property only. Parking on right-of-way may be restricted or prohibited.
8. XXX the erection of signs on or overhanging the right-of-way of state roads is not permitted. The connection of any type of subsurface drainage to FDOT storm drains or ditches is prohibited unless by permit or as shown in the general or special provisions of the referenced permit.
9. XXX All Construction and/or Maintenance on the Department's right-of-way shall conform to Federal Manual on Uniform Traffic Control Devices (MUTCD), the Department's most current manual of the Roadway and Traffic Design Standards Specifications for Road and Bridge Construction.
10. XXX Pre and Final Inspections are required by FDOT Permits Office and the assigned inspector.
11. XXX a pre-construction review of the construction planned under the permit shall be mandatory. The Permit tee shall make contact with the Lake City, Permits Office at (904) 961-7180 or 961-7193, a minimum of 48 hours in advance of the Permit tee's planned start date so as to arrange a mutually time to meet. Failure by the Permit tee to meet this requirement can be reason for revocation of the approved permit.
12. XXX If proposed permitted work limits are within a State Roadway Construction Area that is proposed or underway then the permit tee shall schedule commencement date and all planned work under this permit with the State Foot's contract representative in charge of on-site project operational responsibilities.
13. XXX Final approved permit shall adhere to the signed and sealed plans, with no plan substitutions once approved.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DRIVEWAY/CONNECTION APPLICATION FOR ALL CATEGORIES

850-040-15
SYSTEMS PLANNING
04/03

OFFICE USE ONLY

Application Number: 07-A 292-63
Received By: Dale L. Cray
Category: C
Date: 12-13-2007
FDOT STAFF (TYPE OR PRINT)
Section/Mile Post: 29050 / 7.67+-
State Road: 20
Section/Mile Post: N/A
State Road: N/A

Instructions - To Applicant

- Contact the Department of Transportation to determine what plans and other documents you are required to submit with your application.
- Complete this form (some questions may not apply to you) and attach all necessary documents and submit it to the Department of Transportation.
- For help with this form contact your local Maintenance or District Office.
  - Or visit our website at http://www.11.myflorida.com/onestoppermitting/ for the contact person and phone number in your area.
  - You may also email - driveways@dot.state.fl.us
  - Or call you District or local Florida Department of Transportation Office and ask for Driveway Permits.

Please print or type

APPLICANT:

Check one:
[X] Owner [ ] Lessee [ ] Contact to Purchase

Name:
Responsible Officer or Person: Gary Ward
If the Applicant is a Company or Organization, Name: K2 Development
Address: 394 SW Finley Little Lane
City, State: Lake City, FL
Zip: 32024 Phone: 386-288-6760 Fax:
Email:

LAND OWNER:(if not applicant)

Name: Same As Above
If the Applicant is a Company or Organization, Name:
Address:
City, State:
Zip: Phone: Fax:
Email:

AUTHORIZED REPRESENTATIVE: If specified by Applicant to handle, represent, sign and file the application -
Note: A notarized letter of authorization, must be provided with the Application

Name: Chad Williams
Company Name: GTC Design Group, LLC
Address: P.O. Box 187
City, State: Live Oak FL
Zip: 32064 **Phone:** 386.362.3678
Email: cwilliams@gtcdesigngroup.com

Address of property to be served by permit (if known):

If address is not known, provide distance from nearest intersecting public street (such as, 500 feet south of Main St.)

US 27, 400 ft west of SR 47

Check here if you are requesting a

[X] new driveway [ ] temporary driveway [ ] modification to existing driveway [ ] safety upgrade

Does the property owner own or have any interests in any adjacent property?

[X] No [ ] Yes, if yes - please describe:

Are there other existing or dedicated public streets, roads, highways or access easements bordering or within the property?

[ ] No [X] Yes, if yes - list them on your plans and indicate the proposed and existing access points.

Local Government Development Review or Approval Information:

Local Government Contact:
Name: Public Works Director
Government Agency: Edmund Hudson
Phone #: Town of Fort White
386-497-2321

If you are requesting commercial or industrial access, please indicate the types and numbers of businesses and provide the floor area square footage of each. Use additional sheets if necessary.

Business (Name and Type)	Square Footage	Business (Name and Type)	Square Footage
1. Subway	1,391	3.	
2.		4.	

If you are requesting a residential development access, what is the type (single family, apartment, townhouse) and number of units?

Type	Number of Units

Provide an estimate of the daily traffic volume anticipated for the entire property at build out. (An individual single family home, duplex, or quad-plex is not required to complete this section).

Daily Traffic Estimate = 1,002 (Use the latest Institute of Transportation Engineers (ITE) Trip Generation Report)

If you use the ITE Trip Generation Report, provide the land use code, independent variable, and reference page number.

ITE Land Use Code	Independent Variable	ITE Report page number reference
933	1.4	

Check with the Florida DOT Office where you will return this form to determine which of the following documents are required to complete the review of your application.

Plans should be 11" x 17" (scale 1" x 50")
Note: No plans larger than 24" x 36" will be accepted

a) Highway and driveway plan profile
b) Drainage plan showing impact to the highway right-of-way
c) Map and letters detailing utility locations before and after Development in and along the right of way
d) Subdivision, zoning, or development plans
e) Property map indicating other access, bordering roads and streets
f) Proposed access design
g) Parcel and ownership maps including (Boundary Survey)
h) Signing and striping plans
i) Traffic Control/Maintenance of Traffic Plan
j) Proof of liability insurance
k) Traffic Impact Study
l) Cross section of roadway every 100" if exclusive turn lanes are required

Important Notices to Applicant Before Signing Application

The Department Reserves the Right to Change Traffic Features and Devices in Right of Way At Any Time
Proposed traffic control features and devices in the right of way, such as median openings and other traffic control devices, are not part of the connection(s) to be authorized by a connection permit. The Department reserves the right to change these features and devices in the future in order to promote safety in the right of way or efficient traffic operations on the highway. Expenditure by the applicant of monies for installation or maintenance of such features or devices shall not create any interest in the maintenance of such features or devices.

Significant Changes in Property Use Must Undergo Further Review
If an access permit is issued to you it will state the terms and conditions for its use. Significant changes in the use as defined in Section 335.182(3), Florida Statutes, of the permitted access not consistent with the terms and conditions listed on the permit may be considered a violation of the permit.

All Information I Give is Accurate
I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief, such information is true, complete and accurate.

Starting Work On The Driveway Connection After I Give My Permit Means I Accept All the Conditions of My Permit.
I will not begin work on the connection until I receive my Permit and I understand all the conditions of the Permit. When I begin work on the connection, I am accepting all conditions listed in my Permit.

Applicant's Name (Printed): Gary Ward, Managing Member

Applicant's Signature: Gary Ward JR Date 12-3-07

Florida Department of Transportation

JEB BUSH
GOVERNOR

1109 South Marion Avenue
Lake City, Florida 32025-5874

DENVER J. STUTLER, JR.
SECRETARY

MEMORANDUM

To: ALL FDOT Drainage Connection/Driveway/Utility Permit Applicants in Baker, Bradford, Columbia, Dixie, Gilchrist, Hamilton, Madison, Nassau, Levy, Putnam, Suwannee, Taylor, Union, & Lafayette Counties.

From: Permit Engineer/Coordinator

Subject: National Pollutant Discharge Elimination System (NPDES) Permits

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The Department is requesting that a Copy of your Notice of Intent (NOI) to use the Generic Permit for Storm Water Discharge from Large and Small Construction Activities, pursuant to Florida Department of Environmental Protection Rule 62-621 Florida Administrative Code, be submitted as part of your application.

Please complete the applicable items below:

Project Name: K2 Development-(SUBWAY)

Project Address / Location: US 27, 400 ft west of SR 47

_____ **I certify that the referenced project is <u>over 1.0 Acre</u> of disturbed area and a copy of the NOI is attached for your records.**

_X_ **I certify that the referenced project is <u>less than 1.0 Acre</u> of disturbed area and an NOI is not required**

Signature: Gary Ward GR

Printed Name: Gary Ward __ x __ Owner __ Agent __ Contractor __ Developer

******Return this Document and any required attachment along with your Permit Application******

Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

OVERNIGHT ADDRESS
710 NW LAKE JEFFERY
SUITE 101, LAKE CITY, FL.
32055-2621

STEPHANIE KOPELOUSOS
INTERIM SECRETARY

STATEMENT OF CONTIGUOUS INTEREST

PROJECT NAME: K2 Development (SUBWAY)

PROJECT LOCATION,
(PHYSICAL 911 ADDRESS): US 27, 400 ft west of SR 47

STATE HIGHWAY: 20 **STATE RD. SECTION** 29050

COUNTY NAME: Columbia **STATE MILE POST:** 7.67

PROPT. OWNER'S NAME (Person or company): Gary Ward

PROPERTY PARCEL NUMBER(S) 00-00-00-14424-000
OWNER'S MAILING ADDRESS: 394 SW Finley Little Lane ; Lake City, FL 32024

PERMITTEE'S P.E. COMPANY: GTC Design Group, LLC
CONTACT P. E. NAME: Chadwick Williams

ENGINEER'S ADDRESS: 130 West Howard Street
Live Oak, Florida 32064

PERMITTEE'S LEGAL REPRESENTATIVE:

I hereby certify that the total contiguous property owned or controlled is as shown on the officially submitted project's construction Plan and more fully by legal description and attached hereto as exhibit "A".

SIGNED: Gary Ward Jr **DATE:** 12-3-07

NAME/TITLE: Gary Ward, Managing Member
ADDRESS: 394 SW Finley Little Lane ; Lake City, FL 32024

WITNESS: Karen Domingus

27111

BRITT SURVEYING
830 West Duval Street • Lake City, FL 32055
Phone (386) 752-7163 • Fax (386) 752-5573

Land Surveyors and Mappers

06/27/08

L-19383

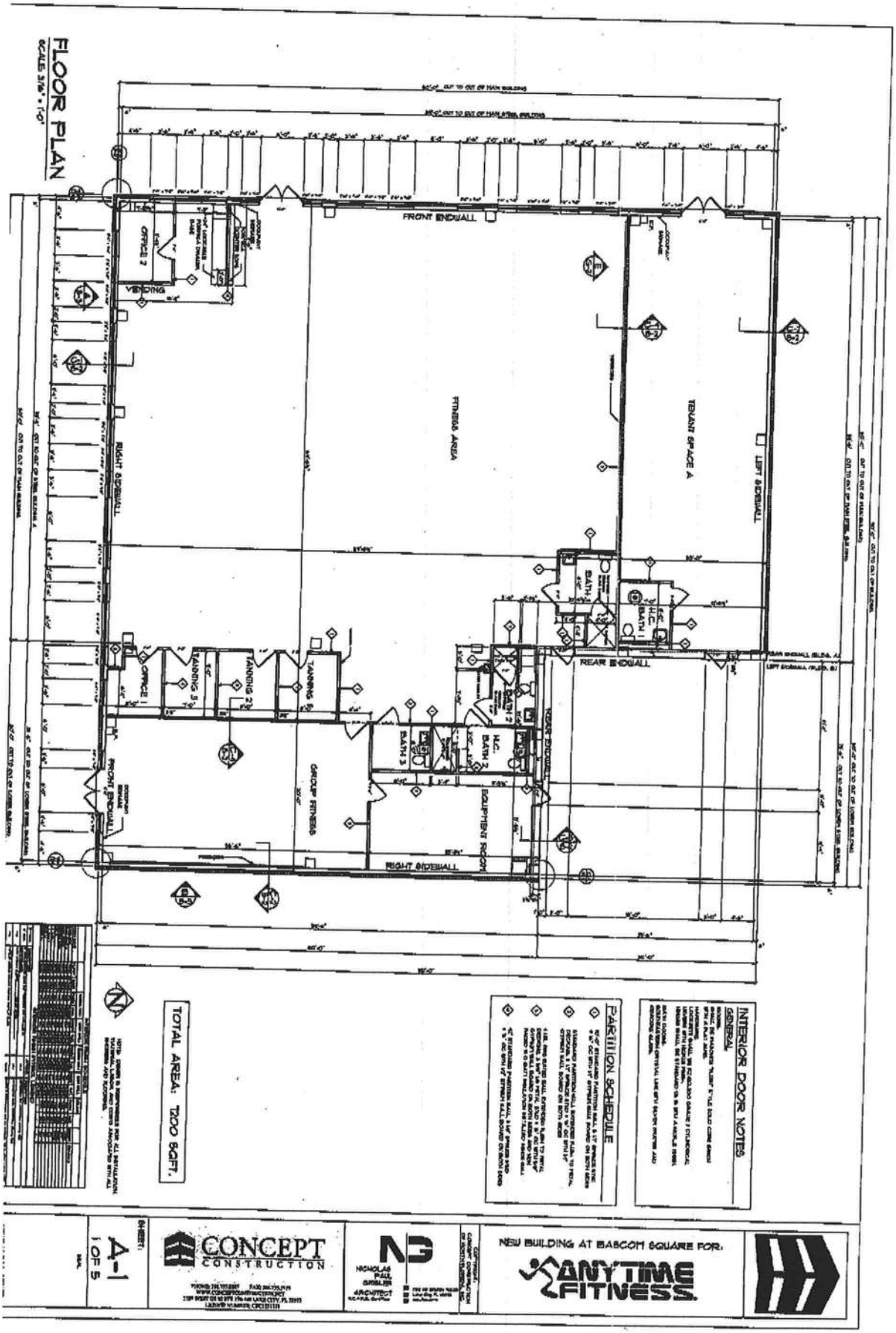
To Whom It May Concern:

C/o: Bryan Zecher Construction

Re: A part of block 55 in the plat of the Town of Fort White, Florida

The elevation of the proposed foundation is found to be 97.55 feet. The minimum floor elevation as per the construction plans is shown to be 97.00 feet. The highest adjacent grade is 96.79 feet. The lowest adjacent grade is 97.57 feet. The elevations shown hereon are based on an assumed datum and extrapolated from points shown on the construction plans. A benchmark was set at an assumed 100.00 feet in a power pole on the north line of said parcel.

L. Scott Britt
PLS #5757


FLOOR PLAN
SCALE: 3/16" = 1'-0"
FRONT SIDEWALL
RIGHT SIDEWALL
LEFT SIDEWALL
REAR SIDEWALL
FITNESS AREA
TENANT SPACE A
OFFICE 2
VENDING
OFFICE 1
TANNING 5
TANNING 2
TANNING 1
BATH 1
BATH 2
BATH 3
H.C. BATH 1
H.C. BATH 2
GROUP FITNESS
EQUIPMENT ROOM
TOTAL AREA: 7200 SQFT.
PARTITION SCHEDULE
INTERIOR DOOR NOTES
GENERAL
CONCEPT CONSTRUCTION
NICHOLAS PAUL GABELER ARCHITECT
NEW BUILDING AT BABCOM SQUARE FOR:
ANYTIME FITNESS
SHEET: A-1
1 OF 5

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.: 08-290
DATE TESTED: 06-25-08

REPORT OF IN-PLACE DENSITY TEST

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

PROJECT: SUBWAY FORT WHITE # 27111

CLIENT: BRYAN ZECHER

GENERAL CONTRACTOR: SAC EARTHWORK CONTRACTOR: SAC

SOIL USE (SEE NOTE): _____ SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: S. OSTEEN

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

TEST NO.	TEST LOCATION	TEST: ✓ DEPTH ___ ELEV. ___ LIFT	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST PERCENT	% MAX. DENS.
1	15' FROM NW CORNER N FOOTER	12"	BLAKE PIT	114.1	107.5	6.2	102
2	10' FROM NE CORNER E FOOTER	↓	↓	111.6	105.6	5.8	100
3	15' FROM SE CORNER S FOOTER	↓	↓	112.3	107.3	4.7	102
4	10' FROM SW CORNER W FOOTER	↓	↓	115.0	108.4	6.1	103
5	10' FROM NE CORNER ON PAD	↓	↓	113.5	107.2	5.9	102
6	10' FROM NW CORNER ON PAD	↓	↓	114.6	107.5	6.6	102
7	10' FROM SE CORNER ON PAD	↓	↓	111.3	105.6	5.4	100

REMARKS: _____

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
	BLAKE PIT	105.3	

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.

27111

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 5/23/2008 **DATE ISSUED:** 5/27/2008

ENHANCED 9-1-1 ADDRESS:

7776 SW US HIGHWAY 27
FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

00-00-00-14424-001

Remarks:

WAS ASSIGNED 268 SW CULLEN AVE

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1204

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 00-00-00-14424-001 **Building permit No.** 000027111

Use Classification CD, SUBWAY SHOP **Fire:** 15.82

Permit Holder BRYAN ZECHER **Waste:**

Owner of Building K2 INVESTMENT PROP,LLC/K2 DEVELOPMENT **Total:** 15.82

Location: 7776 SW US HIGHWAY 27, FT. WHITE, FL

Date: 09/16/2008

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

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 # 27111 / Subway

A Fire Safety Inspection was conduct today at the Subway Sandwich Shop building located at 268 SW Cullen Avenue, Ft. White, Florida. At the time of my inspection this building meets the requirements as set forth in Chapter 38 of the Florida Fire Prevention Code, 2004 Edition. I recommend approval.

Respectfully,

David L. Boozer
Florida State Fire Inspector #146595

SCANNED
12-20-07

RECEIVED
DEC 20 2007
GTC DESIGN GROUP

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FLORIDA 32060
TELEPHONE: (386) 362-1001
TELEPHONE: 800-226-1066
FAX (386) 362-1056

NOTICED GENERAL PERMIT

PERMITTEE:
K2 DEVELOPMENT
394 SW FINLEY LITTLE LANE
LAKE CITY, FL 32024

PERMIT NUMBER: ERP07-0544
DATE ISSUED: 12/18/2007
DATE EXPIRES: 12/18/2010
COUNTY: COLUMBIA
TRS: S33/T6S/R16E

PROJECT: K2 DEVELOPMENT-SUBWAY

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

COLUMBIA COUNTY BUILDING DEPARTMENT
Received
for
FILE COPY
Code
Compliance
PLANS EXAMINER

GARY WARD
K2 DEVELOPMENT
394 SW FINLEY LITTLE LANE
LAKE CITY, FL 32024

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

Construction and operation of a surfacewater management system serving 0.19 acres of impervious surface on a total project area of 0.58 acres. The project is for commercial construction of buildings, associated parking, infrastructure and surfacewater management swales. Development shall be in a manner consistent with the application package submitted by GTC Design Group and received by the District on November 11, 2007. Approved Prints and plans were signed and sealed by Chadwick Williams P.E., on December 12, 2007.

It is your responsibility to ensure 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 or mediation. Please refer to enclosed notice of rights.

This permit is issued under the provisions of chapter 373, F.S., chapter 40B-4, and chapter 40B-400, F.A.C. A noticed 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.

General Conditions for All Noticed General Permits:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this section are general permit conditions and are binding upon the permittee for all noticed general permits in Part II of this chapter. These conditions are enforceable under Part IV of chapter 373, F.S.

2. The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit. A violation of the permit is a violation of Part IV of chapter 373, F.S., and may result in suspension or revocation of the permittee's right to conduct such activity under the general permit. The District may also begin legal proceedings seeking penalties or other remedies as provided by law for any violation of these conditions.

3. This general permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations prior to the start of any construction, alteration, operation, maintenance, removal or abandonment authorized by this permit.

4. This general permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the general permit and Part II of this chapter.

5. This general permit does not relieve the permittee from liability and penalties when the permitted activity causes harm or injury to human health or welfare, animal, plant or aquatic life, or property. It does not allow the permittee to cause pollution in contravention of Florida Statutes and District rules.

6. The permittee is hereby advised that s.253.77, F.S., states that a person may not commence any excavation, construction or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the

Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

7. The authorization to conduct activities pursuant to general permit may be modified, suspended or revoked in accordance with chapter 120, and s.373.429, F.S.

8. This permit shall not be transferred to a third party except pursuant to s.40B-4.1130, F.A.C. The permittee transferring the general permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located.

9. Upon reasonable notice to the permittee, District staff with proper identification shall have permission to enter, inspect, sample and test the permitted system to insure conformity with the plans and specifications approved by the permit.

10. The permittee shall maintain any permitted system in accordance with the plans submitted to the District and authorized by this general permit.

11. A permittee's right to conduct a specific noticed activity under this noticed general permit is authorized for the duration on the front of this permit.

12. Construction, alteration, operation, maintenance, removal and abandonment approved by this general permit shall be conducted in a manner which does not cause violations of state water quality standards, including any antidegradation provisions of s.62-4.242(1)(a) and (b), 62-4.242(2) and (3), and 62-302.300, F.A.C., and any special standards for Outstanding Florida Waters and Outstanding National Resource Waters. The permittee shall implement best management practices for erosion, turbidity and other pollution control to prevent violation of state water quality standards. Temporary erosion control measures such as sodding, mulching, and seeding shall be implemented and shall be maintained on all erodible ground areas prior to and during construction. Permanent erosion control measures such as sodding and planting of wetland species shall be completed within seven days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into wetlands or other surface waters exists due to the permitted activity. Turbidity barriers shall remain in place and shall be maintained in a functional condition at all locations until construction is completed and soils are stabilized and vegetation has been established. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

13. 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, alteration, operation, maintenance, removal, abandonment or use of any system authorized by the general permit.

14. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

15. 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.

16. 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.

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

Approved by Jerry Bowden
District Staff

Date Approved 12/18/07

NOTICE OF RIGHTS

1. A person whose substantial interests are or may be determined has the right to request an administrative hearing by filing a written petition with the Suwannee River Water Management District (District), or may choose to pursue mediation as an alternative remedy under Section 120.569 and 120.573, Florida Statutes, before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for pursuing mediation are set forth in Sections 120.569 and 120.57 Florida Statutes. Pursuant to Rule 28-106.111, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). A petition must comply with Chapter 28-106, Florida Administrative Code.

2. If the Governing Board takes action which substantially differs from the notice of District decision to grant or deny the permit application, a person whose substantial interests are or may be determined has the right to request an administrative hearing or may chose to pursue mediation as an alternative remedy as described above. Pursuant to Rule 28-106.111, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). Such a petition must comply with Chapter 28-106, Florida Administrative Code.

3. A substantially interested person has the right to a formal administrative hearing pursuant to Section 120.569 and 120.57(1), Florida Statutes, where there is a dispute between the District and the party regarding an issue of material fact. A petition for formal hearing must comply with the requirements set forth in Rule 28-106.201, Florida Administrative Code.

4. A substantially interested person has the right to an informal hearing pursuant to Section 120.569 and 120.57(2), Florida Statutes, where no material facts are in dispute. A petition for an informal hearing must comply with the requirements set forth in Rule 28-106.301, Florida Administrative Code.

5. A petition for an administrative hearing is deemed filed upon receipt of the petition by the Office of the District Clerk at the District Headquarters in Live Oak, Florida.

6. Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing pursuant to Rule 28-106.111, Florida Administrative Code.

7. The right to an administrative hearing and the relevant procedures to be followed is governed by Chapter 120, Florida Statutes, and Chapter 28-106, Florida Administrative Code.

8. Pursuant to Section 120.68, Florida Statutes, a person who is adversely affected by final District action may seek review of the action in the District Court of Appeal by filing a notice of appeal pursuant to the Florida Rules of Appellate Procedure, within 30 days of the rendering of the final District action.

9. A party to the proceeding before the District who claims that a District order is inconsistent with the provisions and purposes of Chapter 373, Florida Statutes, may seek review of the order pursuant to Section 373.114, Florida Statutes, by the Florida Land and Water Adjudicatory Commission, by filing a request for review with the Commission and serving a copy of the Department of Environmental Protection and any person named in the order within 20 days of adoption of a rule or the rendering of the District order.

10. For appeals to the District Courts of Appeal, a District action is considered rendered after it is signed on behalf of the District, and is filed by the District Clerk.

11. Failure to observe the relevant time frames for filing a petition for judicial review, or for Commission review, will result in waiver of the right to review.

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Notice of Rights has been sent by U.S. Mail to:

K2 DEVELOPMENT
394 SW FINLEY LITTLE LANE
LAKE CITY, FL 32024

At 4:00 p.m. this 19 day of Dec, 2007.

Jon M. Dinges
Deputy Clerk
Suwannee River Water Management District
9225 C.R. 49

Live Oak, Florida 32060
386.362.1001 or 800.226.1066 (Florida only)

cc: File Number: ERP07-0544

SECTION C

AS-BUILT CERTIFICATION
(TO BE COMPLETED BY A PROFESSIONAL ENGINEER)

I hereby certify that all components of the surfacewater management system authorized under permit number ERP07-0544, issued 12-18-07, for K2 Development - Subway in Columbia County have been built in substantial conformance with the permitted plans and design.

It is further stated that the permittee has been furnished with instructions as to how the system is to be operated and maintained.

Signature of Engineer

Chad Williams, 63144
Name and Florida Registration Number
(Please print or type)

Date Certification Made

GTC Design Group, LLC
Company Name

176 NW Lake Jeffery Rd.
Mailing Address

Lake City, FL 32055
City, State, Zip Code

386-719-9985
Phone Number

Project visited for final (As-built) inspection on: _____

Minor Field Changes: _____

[AFFIX SEAL]

Revised 2/8/00

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up	N/A		
5. Automatic	N/A		
6. Other	—		
B. WINDOWS			
1. Single hung	Capital / Jordan		FL 675 / FL 1378-R
2. Horizontal Slider	" "		FL 685 / FL 1384-R
3. Casement	—		
4. Double Hung	—		
5. Fixed	C / J		FL 681 / FL 1383-R
6. Awning	—		
7. Pass -through	—		
8. Projected	—		
9. Mullion	—		
10. Wind Breaker	—		
11 Dual Action	—		
12. Other			
C. PANEL WALL			
1. Siding	Hardy Plank		FL 889-R1
2. Soffits	Ashley Aluminum		FL 4968
3. EIFS	—		
4. Storefronts	—		
5. Curtain walls	—		
6. Wall louver	—		
7. Glass block	—		
8. Membrane	—		
9. Greenhouse	—		
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Elk / Certainteed		FL 728-R1 / FL 250-R1
2. Underlayments	Felt		FL 1814
3. Roofing Fasteners	Nails		RCA 3378
4. Non-structural Metal Rf	—		
5. Built-Up Roofing	—		
6. Modified Bitumen	—		
7. Single Ply Roofing Sys	—		
8. Roofing Tiles	—		
9. Roofing Insulation	—		
10. Waterproofing	—		
11. Wood shingles /shakes	—		
12. Roofing Slate	—		

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:
   - ✓ 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~~
   - Gypsum board and plaster
   - Insulating (mechanical)
   - Roofing
   - Insulation

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

- Fair housing requirements

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

12. Special systems:
    - Elevators
    - Escalators
    - Lifts

13. Swimming pools:
    - 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
    - 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
    - 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**
- Private Potable Water:
  - Size of pump motor
  - Size of pressure tank
  - Cycle stop valve if used

City of Ft. White

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.

wrightsoft

Right-Suite™ Universal Load Calculation

Subway

Glenn I Jones Inc.

Job: Fort White Subway
Date: May 28, 2008
By:

Project Information

For: Fort White Subway

Zone: Subway

LWH: 28.0 x 49.7 x 9.0

1. DESIGN CONDITIONS - COOLING (Sep 1600)

		Dry Blb	RH	Moisture	Range	Wet Blb
Outdoor Conditions	—>	93	45		18	75
Indoor Conditions	—>	75	50			63
TOD Correction	—>	1				
Difference		18		38.5		

[Mult = 1.0]

2. GLAZING SOLAR HEAT GAIN (Lat = 30.22 °N Const Wt = M)

Type	Orien	Area	Tilt	ShdF	IntShd	SCMult	SC	Sens/A	Sens
GLAZ-01	s	108	90	---	n	1.00	0.60	47.8	5160
GLAZ-02	w	42	90	---	n	1.00	0.50	56.3	2364
GLAZ-03	w	72	90	---	n	1.00	0.60	68.1	4904

3. TRANSMISSION GAINS

Type	Orien	GrArea	NtArea	Uval	Grp	CLTD	Shad	Clr	Sens
GLAZ-01	s	108	108	0.550		16.4	N	-	974
GLAZ-02	w	42	42	0.870		16.4	N	-	599
GLAZ-03	w	72	72	0.550		16.4	N	-	649
WALL-01	n	447	447	0.090	F	17.3	N	m	695
WALL-02	e	252	252	0.090	F	29.1	N	m	659
WALL-03	s	447	339	0.090	F	40.0	N	m	1217
WALL-04	w	252	138	0.090	F	33.3	N	m	412
FLOR-01	-	1391	1391	0.000		0.0	-	-	0
CEIL-01	-	1391	1391	0.034	R-1	67.8	-	d	3225

4. INTERNAL HEAT GAIN

PEOPLE

Activity Schedule	ft²/prsn	#	Total people	Sensible Btuh/prsn	Latent Btuh/prsn	Sens	Latent
Restaurant 9ato1a	100	50	64	255	225	16296	14379
	0	0	0	0	0	0	0

LIGHTS

Type / Schedule	W/ft²		Total W	W	Factor Btuh/W	Space fract	Sens
Fluorescent 9ato1a	1.31	0	1822		4.10	1.0	7469
Incandescent 8ato8p	2.00	0	2781		3.41	1.0	9490
Fluorescent	0.00	0	0		4.10	1.0	0
Fluorescent	0.00	0	0		4.10	1.0	0

PLUG LOADS / APPLIANCES

Application / Schedule			Usage		Sensible Btuh	Latent Btuh	Sens	Latent
Microcomputer (sm)	#/ft²		#					
	0.000	3.00	1.00		300	0	900	0
Cutter (sm) no hd	#/ft²		#					
	0.000	2.00	1.00		1260	0	2520	0
M/w oven (RS) no hd	#/ft²		#					
	0.000	2.00	1.00		2050	0	4100	0
Tstr (SC) no hd	#/ft²		#					
	0.000	1.00	1.00		1910	1670	1910	1670
Barb. (pit), no hd	lb/ft²		lb					
	0.000	2.00	1.00		86	50	172	100
	#/ft²		#					
	0.000	0.00	1.00		0	0	0	0

MOTORS

Power (hp) / Schedule	#	#/ft²	Load factor	Total	Sensible Btuh	Sens
0.00		0.0	0	1.00	0	0
0.00		0.0	0	1.00	0	0
0.00		0.0	0	1.00	0	0

5. INFILTRATION

						Sens	Latent
83 cfm	——>	x	db Temp Diff	17.7 x	1.10	1617	
	——>	x	Moist. Diff	38.5 x	0.68		2176

6. SUBTOTAL COOLING LOAD FOR SPACE — 65332 — 18325

7. SUPPLY DUCT HEAT GAIN

Gain factor 0.00 x Line 6 Sensible Gain — 0

8. COOLING FAN SIZING

Sum of Duct Gain (7), Line (6) & Drawthru Fan = 65332

(L 8 Sens) / (Xfer x Supply TD) = cfm

Est Cooling cfm = (65332) / (1.10 x 20.0) = 2979

Actual Cooling Fan ——————————> = 2979

9. VENTILATION

0 cfm	——>	x	db Temp Diff	17.7 x	1.10	0	
	——>	x	Moist. Diff	38.5 x	0.68		0

10. RETURN AIR PLENUM

Lights	Total power (W) 4603	0
Transmission load (plenum upper surface)		0
Space load credit (plenum lower surface)		0

11. RETURN DUCT HEAT GAIN

Gain factor 0.00 x Line 6 Sensible Gain 0

12. TOTAL COOLING LOADS ON EQUIPMENT (Btuh) 65332 18325

SPACE HEATING LOAD CALCULATION

13. HEATING DESIGN TEMPERATURE

Heating TD = (Inside DB - Outside DB) = (70 - 34) = 37

[Mult = 1.0]

14. TRANSMISSION LOSSES

Type	Expos	GrArea	NetArea	Uval	HTD	Loss
GLAZ-01	s	108	108	0.550	36.5	2168
GLAZ-02	w	42	42	0.870	36.5	1334
GLAZ-03	w	72	72	0.550	36.5	1445
WALL-01	n	447	447	0.090	36.5	1463
WALL-02	e	252	252	0.090	36.5	825
WALL-03	s	447	339	0.090	36.5	1109
WALL-04	w	252	138	0.090	36.5	452
FLOR-01	-	155	155	0.600	36.5	3402
CEIL-01	-	1391	1391	0.034	36.5	1735

15. INFILTRATION Loss

125 cfm x db Temp Diff 36.5 x 1.10 5009

16. SUBTOTAL HEATING LOAD FOR SPACE 18942

17. SUPPLY DUCT HEAT LOSS

Loss factor 0.00 x Line 16 Loss 0

Less transfer 0

Redistribution 0

18. VENTILATION

0 cfm x db Temp Diff 36.5 x 1.10 0

19. HUMIDIFICATION

Inside RH desired : 40.0 (Max = 52.0 for 1 pane)

# of Glazing panes : (Max = for 2 pane)

125 cfm x 4.47 g/100cfm/d = 5.6 gpd 2091

20. RETURN DUCT HEAT LOSS

Loss factor 0.00 x Line 16 Loss 0

21. TOTAL HEATING LOAD ON EQUPMENT (Btuh) 21032

Florida Energy Efficiency Code For Building Construction

Florida Department of Community Affairs

FLA/COM 2004 v2.5 -- Form 400A-2004

Method A: Whole Building Performance Method for Commercial Buildings

PROJECT SUMMARY

Short Desc:	Subway	**Description:**	Subway store # 41071
Owner:			
Address1:	27th and Cullen Ave	**City:**	Ft. White
Address2:		**State:**	Florida
		Zip:	0
Type:	Dining: Cafeteria/Fast Food	**Class:**	New Finished building
Jurisdiction:	COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)		
Cond Area:	1392 SF	**Cond & UnCond Area:**	1392 SF
No of Storeys:	1	**Area entered from Plans**	1392 SF
Permit No:	0	**Max Tonnage**	4
		If different, write in:	8 Ton Total

Compliance Summary

Component	Design	Criteria	Result
Gross Energy Use	2,055.5	2,090.8	**PASSES**
LIGHTING CONTROLS			**PASSES**
EXTERNAL LIGHTING			**None Entered**
HVAC SYSTEM			**PASSES**
PLANT			**None Entered**
WATER HEATING SYSTEMS			**PASSES**
PIPING SYSTEMS			**None Entered**
Met all required compliance from Check List?			**Yes/No/NA**

IMPORTANT NOTE: An input report of this design building must be submitted along with this Compliance Report.

CERTIFICATIONS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code

Prepared By: JAMES R. WILLIAMS C-707 Date: 5-19-08

Building Official: _____ Date: _____

I certify that this building is in compliance with the FLorida Energy Efficiency Code

Owner Agent: _____ Date: 5/30/08

If Required by Florida law, I hereby certify (*) that the system design is in compliance with the FLorida Energy Efficiency Code

Architect: _____ Reg No: _____

Electrical Designer: _____ Reg No: _____

Lighting Designer: _____ Reg No: _____

Mechanical Designer: _____ Reg No: _____

Plumbing Designer: _____ Reg No: _____

(*) Signature is required where Florida Law requires design to be performed by registered design professionals. Typed names and registration numbers may be used where all relevant information is contained on signed/sealed plans.

Project: Subway
Title: Subway store # 41071
Type: Dining: Cafeteria/Fast Food
(WEA File: JACKSONVILLE.TMY)

Building End Uses

	Design	Reference
Total	*98.10*	*100.00*
	$2,056	*$2,091*
ELECTRICITY(MBtu/kWh/$)	98.10 40865 *$2,056*	100.00 41649 *$2,091*
AREA LIGHTS	10.13 4226 *$213*	9.22 3837 *$193*
MISC EQUIPMT	0.99 408 *$21*	0.99 408 *$20*
PUMPS & MISC	0.14 59 *$3*	0.14 59 *$3*
SPACE COOL	33.00 13746 *$691*	29.06 12114 *$608*
VENT FANS	53.84 22426 *$1,128*	60.59 25231 *$1,267*

Credits & Penalties (if any): Modified Points: = 98.1 **PASSES**

External Lighting Compliance

Description	Category	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)

None

Project: Subway
Title: Subway store # 41071
Type: Dining: Cafeteria/Fast Food
(WEA File: JACKSONVILLE.TMY)

Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	No. of Tasks	Design CP	Min CP	Compli-ance
Store	8	Food Service - Leisure Dining	1,392	1	8	1	PASSES

PASSES

Project: Subway
Title: Subway store # 41071
Type: Dining: Cafeteria/Fast Food
(WEA File: JACKSONVILLE.TMY)

System Report Compliance

system 1 **System 1** **Constant Volume Air Cooled Split System < 65000 Btu/hr** **No. of Units 2**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp-liance
Cooling System	Air Cooled < 65000 Btu/h Cooling Capacity		13.00	13.00	8.00		PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.90			PASSES

PASSES

Plant Compliance

Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance

None

Project: Subway
Title: Subway store # 41071
Type: Dining: Cafeteria/Fast Food
(WEA File: JACKSONVILLE.TMY)

Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Comp liance
Water Heater 1	Gas Storage water heater	<= 75000 Btu/h; >= 20 Gal	0.64	0.47			PASSES

PASSES

Piping System Compliance

Category	Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	Req Ins Thick [in]	Compliance

None

Project: Subway
Title: Subway store # 41071
Type: Dining: Cafeteria/Fast Food
(WEA File: JACKSONVILLE.TMY)

Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
Infiltration	406.1	Infiltration Criteria have been met	☑
System	407.1	HVAC Load sizing has been performed	☑
Ventilation	409.1	Ventilation criteria have been met	☑
ADS	410.1	Duct sizing and Design have been performed	☑
T & B	410.1	Testing and Balancing will be performed	☑
Motors	414.1	Motor efficiency criteria have been met	☑
Lighting	415.1	Lighting criteria have been met	☑
O & M	102.1	Operation/maintenance manual will be provided to owner	☑
Roof/Ceil	404.1	R-19 for Roof Deck with supply plenums beneath it	☑
Report	101	Input Report Print-Out from EnergyGauge FlaCom attached?	☑

EnergyGauge Summit v3.10

INPUT DATA REPORT

Project Information

Project Name: Subway

Project Title: Subway store # 41071

Address: 27th and Cullen Ave

State: Florida

Zip: 0

Owner:

Orientation: North

Building Type: Dining: Cafeteria/Fast Food

Building Classification: New Finished building

No.of Storeys: 1

GrossArea: 1392 SF

Zones

No	Acronym	Description	Type	Area [sf]	Multiplier	Total Area [sf]	
1	Store	Zone 1	CONDITIONED	1392.0	1	1392.0	☐

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multiplier	Total Area [sf]	Total Volume [cf]

In Zone: Store									
1 Store	Store	Food Service - Leisure Dining	48.00	29.00	11.00	1	1392.0	15312.0	☐

Lighting

	No	Type	Category	No. of Luminaires	Watts per Luminaire	Power [W]	Control Type	No.of Ctrl pts	
In Zone: Store									
In Space: Store									
	1	Recessed Fluorescent - No vent	General Lighting	23	60	1380	Manual On/Off	8	☐

Walls

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Direction	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone: Store												
1	north	0.5 Ply/35/8" Mtl std@24"oc/R11/0.5" Gyp	48.00	11.00	1	528.0	North	0.0798	0.539	7.98	12.5	☐
2	east	0.5 Ply/35/8" Mtl std@24"oc/R11/0.5" Gyp	29.00	11.00	1	319.0	East	0.0798	0.539	7.98	12.5	☐
3	south	0.5 Ply/35/8" Mtl std@24"oc/R11/0.5" Gyp	48.00	11.00	1	528.0	South	0.0798	0.539	7.98	12.5	☐
4	west	0.5 Ply/35/8" Mtl std@24"oc/R11/0.5" Gyp	29.00	11.00	1	319.0	West	0.0798	0.539	7.98	12.5	☐

Windows

No	Description	Type	Shaded	U [Btu/hr sf F]	SHGC	Vis.Tra	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]

In Zone: Store											
In Wall: east											
1	window	User Defined	No	0.6000	0.59	0.64	6.00	5.00	1	30.0	☐
In Wall: south											
1	windows	User Defined	No	0.6000	0.59	0.64	10.00	5.00	3	150.0	☐
In Wall: west											
1	window & door	User Defined	No	0.6000	0.59	0.64	6.00	6.70	1	40.2	☐

Doors

	No	Description	Type	Shaded?	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Dens. [lb/cf]	Heat Cap. [Btu/sf. F]	R-Value [h.sf.F/Btu]	
In Zone: Store													
In Wall: north													
	1	door	Solid core flush (2.25)	No	3.00	6.70	1	20.1	0.3504	0.00	0.00	2.85	☐

Roofs

	No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg]	Cond. [Btu/hr. Sf. F]	Heat Cap [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone: Store													
	1	roof	Shngl/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	29.00	48.00	1	1392.0	0.00	0.0320	1.50	8.22	31.2	☐

Skylights

	No	Description	Type	U [Btu/hr sf F]	SHGC	Vis.Trans	W [ft]	H (Effec) [ft]	Multiplier	Area [Sf]	Total Area [Sf]	
In Zone:												
In Roof:												☐

Floors

No	Description	Type	Width [ft]	H (Effec) [ft]	Multiplier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone:	**Store**										
1	floor	1 ft. soil, concrete floor, carpet and rubber pad	29.00	48.00	1	1392.0	0.1745	54.00	108.00	5.73	☐

Systems

system 1 **System 1** **Constant Volume Air Cooled Split System < 65000 Btu/hr** **No. Of Units 2**

Component	Category	Capacity	Efficiency	IPLV	
1	Cooling System (Air Cooled < 65000 Btu/h Cooling Capacity)	48000.00	13.00	8.00	☐
2	Air Handling System -Supply (Air Handler (Supply) - Constant Volume)	1600.00	0.80		☐

Plant

Equipment	Category	Size	Inst.No	Eff.	IPLV	
						☐

Water Heaters

W-Heater	Description	Capacity	Cap.Unit	I/P Rt.	Efficiency		Loss	
1	Gas Storage water heater	80	[Gal]	[Btu/h]	0.6400	[Ef/Et]	[Btu/h]	☐

Ext-Lighting

Description	Category	No. of Luminaires	Watts per Luminaire	Area/Len/No. of units [sf/ft/No]	Control Type	Wattage [W]	
							☐

Piping

No	Type	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.sf.F]	Nomonal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?	
							☐

Fenestration Used

Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SHGC	VLT	
ASHULDblClrWd-Vy-Fg frm	User Defined	2	0.6000	0.5900	0.6400	☐

Materials Used

Mat No	Acronym	Description	Only R-Value Used	RValue [h.sf.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]	
187	Matl187	GYP OR PLAS BOARD,1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000	☐
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300					☐
265	Matl265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000	☐
48	Matl48	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000	☐

211	Matl211	POLYSTYRENE,EXP.,1/2IN,	No	2.0850	0.0417	0.0200	1.80	0.2900	☐
12	Matl12	3 in. Insulation	No	10.0000	0.2500	0.0250	2.00	0.2000	☐
23	Matl23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000	☐
81	Matl81	ASPHALT-ROOFING, ROLL	Yes	0.1500					☐
244	Matl244	PLYWOOD, 1/2IN	No	0.6318	0.0417	0.0660	34.00	0.2900	☐

Constructs Used

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1015	0.5 Ply/35/8" Mtl std@24"oc/R11/0.5" Gyp	No	No	0.08	0.54	7.98	12.5	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	211	POLYSTYRENE,EXP.,1/2IN,	0.0417	0.000	☐
2	12	3 in. Insulation	0.2500	0.000	☐
3	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.000	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1038	Shngl/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	No	No	0.03	1.50	8.22	31.2	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	81	ASPHALT-ROOFING, ROLL		0.000	☐
2	244	PLYWOOD, 1/2IN	0.0417	0.000	☐
3	12	3 in. Insulation	0.2500	0.000	☐
4	23	6 in. Insulation	0.5000	0.000	☐
5	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.000	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1057	1 ft. soil, concrete floor, carpet and rubber pad	No	No	0.17	54.00	108.00	5.7	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	265	Soil, 1 ft	2.0000	0.000	☐
2	48	6 in. Heavyweight concrete	0.5000	0.000	☐
3	178	CARPET W/RUBBER PAD		0.000	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1058	Solid core flush (2.25)	No	Yes	0.35			2.9	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	279	Solid core flush (2.25")		0.000	☐

SUBSURFACE EXPLORATION
PROPOSED SUBWAY STORE
FORT WHITE, COLUMBIA COUNTY, FLORIDA
CTI PROJECT NO. 08-00290-01

--- 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

June 4, 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

June 4, 2008

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

Attention: Mr. Bryan Zecher, President

Subject: Report of Subsurface Exploration
Proposed Subway Store
Fort White, Columbia County, Florida
CTI Project No. 08-00290-01

Dear Mr. Zecher:

Cal-Tech Testing, Inc. (CTI) has completed the subsurface exploration for the proposed Subway Store. Our work was planned and performed in general accordance with our proposal dated May 28, 2008. Authorization to this work was provided by you on May 30, 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 Subway Store. The subject site is located in the southwestern quadrant of U.S. Highway 27 and Cullen Avenue intersection in Fort White, Columbia County, Florida.

We understand that the proposed project will consist of a new Subway Store with associated parking and drive areas. Based on our knowledge of similar type facilities, we anticipate the structural loads for the building will not exceed 2 to 3 kips per linear foot for the walls nor 25 kips for any column. Floor slab loads will be on the order of 40 to 60 psf. We also anticipate that finished floor elevation will be at or near the existing ground surface with new earthwork fill not to exceed 2 feet 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 area. The SPT borings were performed on June 4, 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 initially consisted of about 1 to 1½ feet of gray, silty fine sand with organics (topsoil). The surface layer is underlain by about 4½ to 5 feet of tan, silty fine sand (SP-SM). This stratum is underlain by about 6 to 8½ feet of light tan, slightly silty fine sand (SP). Beneath this stratum, the explored subsurface profile consisted of about 1 to 3 feet of reddish brown, clayey fine sand (SC). In general, these sandy soils have a very loose to medium dense relative density with "*N*" values ranging from 3 to 17 Blows Per Foot (BPF).

Groundwater Conditions

The depth to the groundwater was measured at the borings location 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 "reported or documented" sinkhole occurrences within a 1½-mile radius of the subject site. 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. It must be understood that this exploration was not intended to predict or preclude future sinkholes from occurring within the limits of 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 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 building will experience total and differential settlements of less than 1 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 the clearing and removal of topsoil (about 12 to 18 inches), and relocating existing utilities that fall within the new construction areas. The building perimeters 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.

Bearing Material

The foundations should bear in either natural soils, or in compacted structural fill/backfill. Sandy soils 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 aggregate (such as ASTM No. 57) or two to three inches of lean concrete mud mat.

Ground Floor Slab Support

The ground floor slab for the proposed building 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 nearby residence). 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.

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.

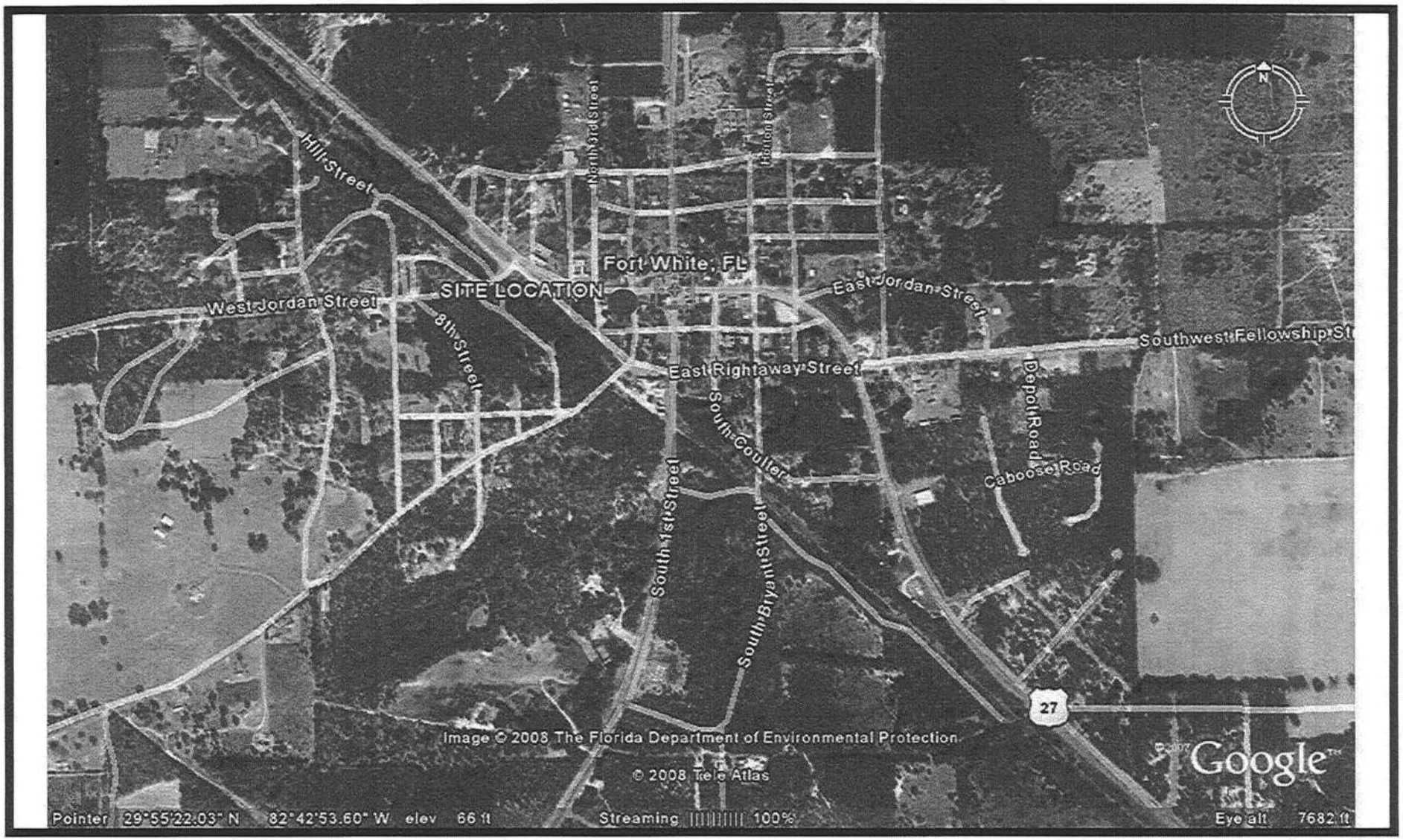
Moby Stalnes for
David B. Brown
Executive Vice President

Nabil O. Hmeidi, P.E. 6/5/08
Senior Geotechnical Engineer
Licensed, Florida No. 57842

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

Attachments: *Vicinity Map (1 page)*
Field Exploration Plan (1 page)
Record Boring Logs (4 pages)
Subsurface Diagram (1 page)
Unified Soil Classification System (1 page)
Key To Test Data (1 page)

ATTACHMENTS

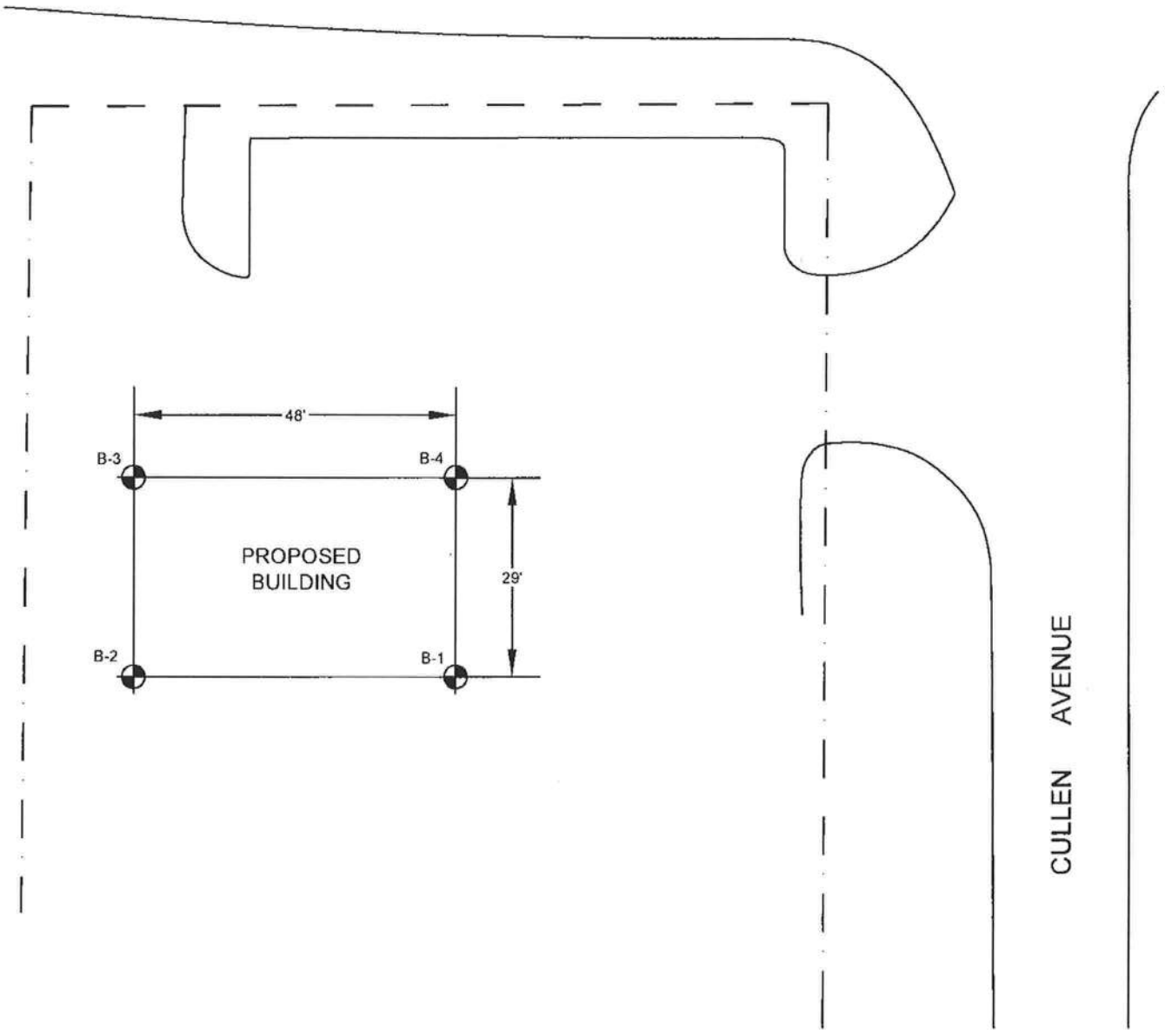


CAL-TECH TESTING, INC. **P.O. Box 1625** **Lake City, Florida 32056-1625** **Phone: (386) 755-3633** **Fax: (386) 752-5456**	**VICINITY MAP** **New Subway Store** **Fort White, Columbia County, Florida** **Cal-Tech Testing Project No. 08-00290-01**

Figure 1

FOR ILLUSTRATION ONLY
NOT TO SCALE
NOT FOR CONSTRUCTION

U.S. HIGHWAY 27



Standard Penetration Test borings by CTI performed on 06/04/2008

SUBSURFACE EXPLORATION PROPOSED SUBWAY STORE FORT WHITE, 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. 08-00290-01 | DATE: 06/04/2008 | 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

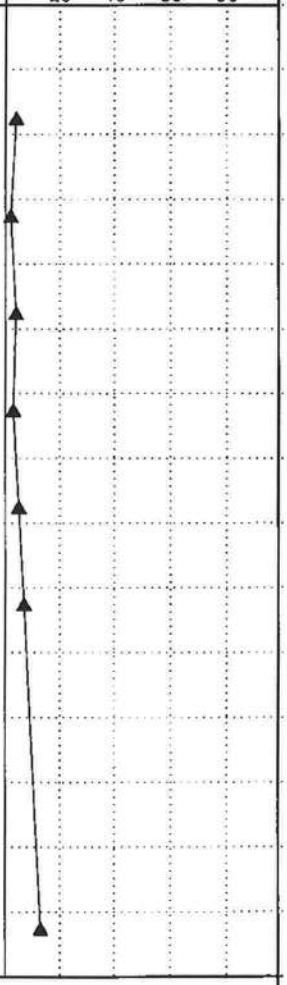
BORING NUMBER B-1

CLIENT Bryan Zecher Construction, Inc.
PROJECT NAME New Subway Store
PROJECT NUMBER 08-00290-01
PROJECT LOCATION Fort White, Columbia County, Florida
DATE STARTED 06/04/08 COMPLETED 06/04/08
GROUND ELEVATION _____ 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		Gray, silty fine sand with organics (TOPSOIL)					
		VERY LOOSE, tan, silty fine sand (SP-SM)	SPT 2	100	3-2-2 (4)		
			SPT 3	100	2-1-1 (2)		
5			SPT 4	100	1-2-2 (4)		
		VERY LOOSE to LOOSE, light tan, slightly silty fine sand (SP)	SPT 5	100	2-2-1 (3)		
			SPT 6	100	3-2-3 (5)		
10			SPT 7	100	3-3-4 (7)		
15		MEDIUM DENSE, reddish brown, clayey fine sand (SC)	SPT 8	100	4-7-6 (13)		

Bottom of borehole at 15.0 feet.

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



GEOTECH BH PLOTS - GINT STD US LAB GDT - 06/05/08 09:36 - \\CALTECHSERVER\ALL LAKE CITY PROJECTS\2008\08-00290-01\08-00290-01.GPJ

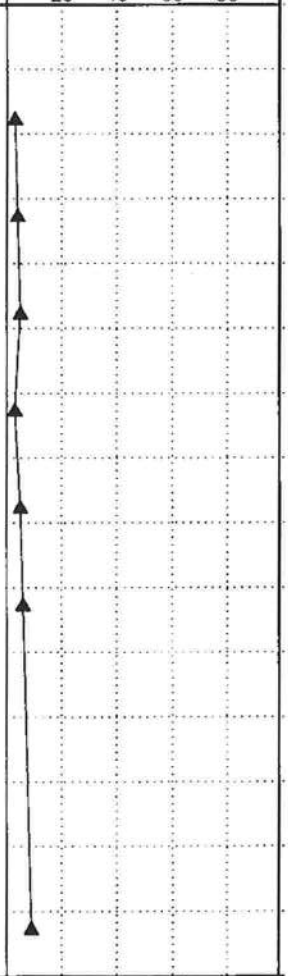
CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-2

CLIENT Bryan Zecher Construction, Inc.
PROJECT NAME New Subway Store
PROJECT NUMBER 08-00290-01
PROJECT LOCATION Fort White, Columbia County, Florida
DATE STARTED 06/04/08 COMPLETED 06/04/08
GROUND ELEVATION _____ 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		Gray, silty fine sand with organics (TOPSOIL)					
		VERY LOOSE to LOOSE, tan, silty fine sand (SP-SM)	SPT 2	100	1-1-2 (3)		
			SPT 3	100	1-2-2 (4)		
5			SPT 4	100	2-3-2 (5)		
		VERY LOOSE to LOOSE, light tan, slightly silty fine sand (SP)	SPT 5	100	2-1-2 (3)		
			SPT 6	100	2-3-2 (5)		
10			SPT 7	100	3-3-3 (6)		
		LOOSE, reddish brown, clayey fine sand (SC)	SPT 8	100	5-5-4 (9)		
15		Bottom of borehole at 15.0 feet.					

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



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

BORING NUMBER B-3

CLIENT Bryan Zecher Construction, Inc.
PROJECT NUMBER 08-00290-01
DATE STARTED 06/04/08 COMPLETED 06/04/08
DRILLING CONTRACTOR Cal-Tech Testing, Inc.
DRILLING METHOD Continuous Flight Auger
LOGGED BY N.H. CHECKED BY
NOTES BK-51 (manual hammer)

PROJECT NAME New Subway Store
PROJECT LOCATION Fort White, Columbia County, Florida
GROUND ELEVATION HOLE SIZE
GROUND WATER LEVELS:
AT TIME OF DRILLING ---
AT END OF DRILLING --- Not Encountered
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		Gray, silty fine sand with organics (TOPSOIL)					
		VERY LOOSE, tan, silty fine sand (SP-SM)	SPT 2	100	2-2-2 (4)		
			SPT 3	100	1-1-1 (2)		
5			SPT 4	100	2-2-1 (3)		
		VERY LOOSE to LOOSE, light tan, slightly silty fine sand (SP)	SPT 5	100	2-2-2 (4)		
			SPT 6	100	2-2-3 (5)		
10			SPT 7	100	3-3-2 (5)		
		MEDIUM DENSE, reddish brown, clayey fine sand (SC)	SPT 8	100	9-8-9 (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.

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

BORING NUMBER B-4

CLIENT Bryan Zecher Construction, Inc.
PROJECT NAME New Subway Store
PROJECT NUMBER 08-00290-01
PROJECT LOCATION Fort White, Columbia County, Florida
DATE STARTED 06/04/08 COMPLETED 06/04/08
GROUND ELEVATION ____ 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		Gray, silty fine sand with organics (TOPSOIL)					
		VERY LOOSE to LOOSE, tan, silty fine sand (SP-SM)	SPT 2	100	1-1-2 (3)		
			SPT 3	100	2-3-4 (7)		
5			SPT 4	100	2-2-3 (5)		
		LOOSE, light tan, slightly silty fine sand (SP)	SPT 5	100	3-3-2 (5)		
			SPT 6	100	3-3-3 (6)		
10			SPT 7	100	3-3-4 (7)		
		MEDIUM DENSE, reddish brown, clayey fine sand (SC)					
15			SPT 8	100	7-9-8 (17)		

Bottom of borehole at 15.0 feet.

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

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

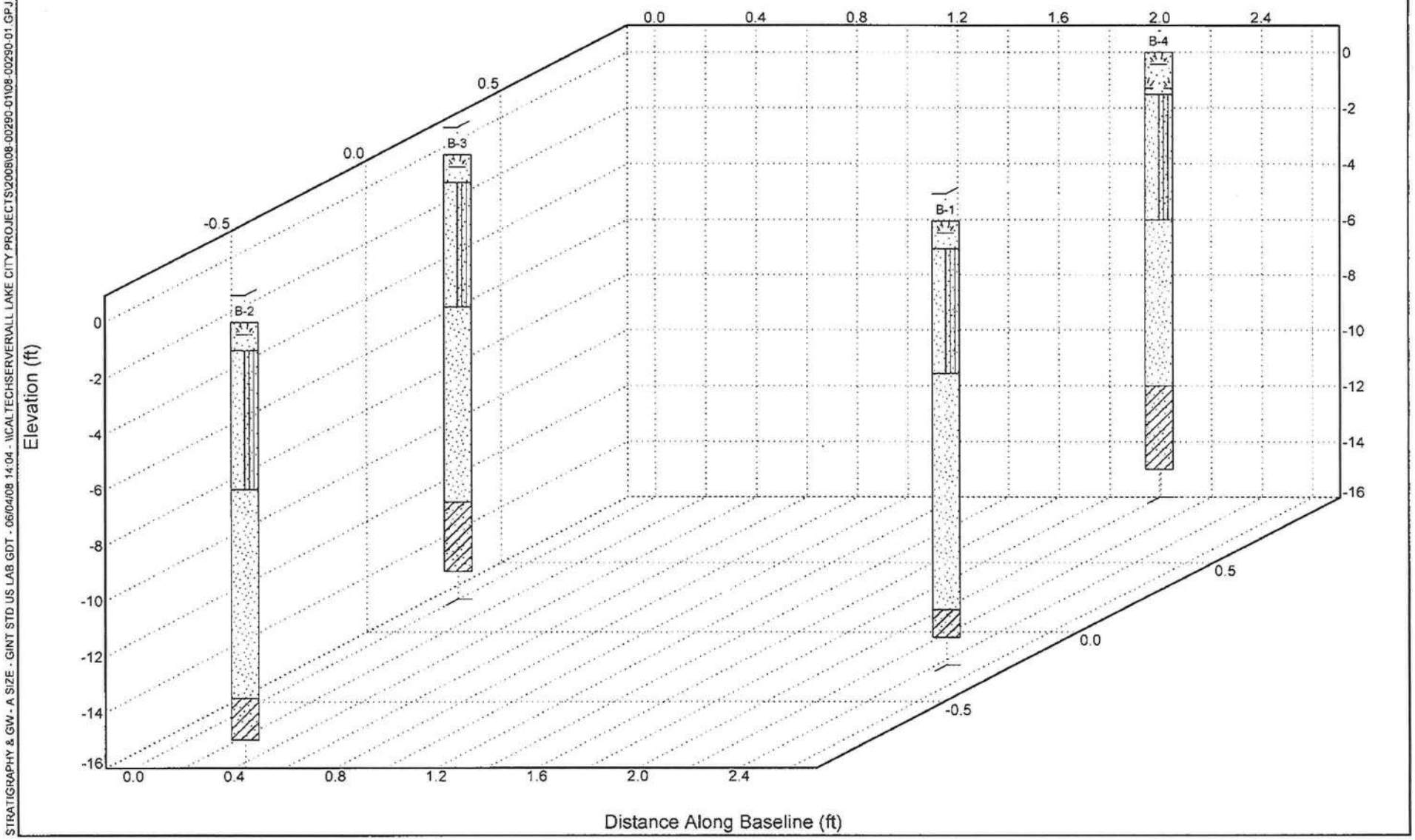
SUBSURFACE DIAGRAM

CLIENT Bryan Zecher Construction, Inc.

PROJECT NAME New Subway Store

PROJECT NUMBER 08-00290-01

PROJECT LOCATION Fort White, Columbia County, Florida



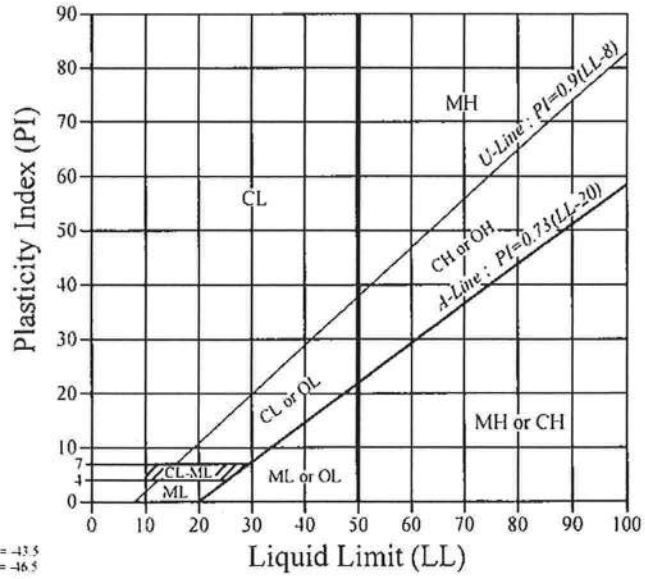
UNIFIED SOIL CLASSIFICATION SYSTEM
ASTM DESIGNATION D-2487

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.	$C_u = \frac{D_{60}}{D_{10}} > 4 \quad ; \quad 1 < C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} < 3$
			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 / Atterberg Limits above A-Line or PI greater than 7 — 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.	
	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.	$C_u = \frac{D_{60}}{D_{10}} > 6 \quad ; \quad 1 < C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} < 3$
			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 / Atterberg Limits above A-Line or PI greater than 7 — 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.	
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.	

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

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 = 16.5

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 ..... SP-SM
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.

CONSISTENCY (SILTS & 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.

HARDNESS (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.

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

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

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)

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
 Document ID:1THR8228Z0223140555

Truss Fabricator:	Anderson Truss Company
Job Identification:	8-091--Fill in later BRYAN ZECHER -- , **
Truss Count:	9
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.36.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

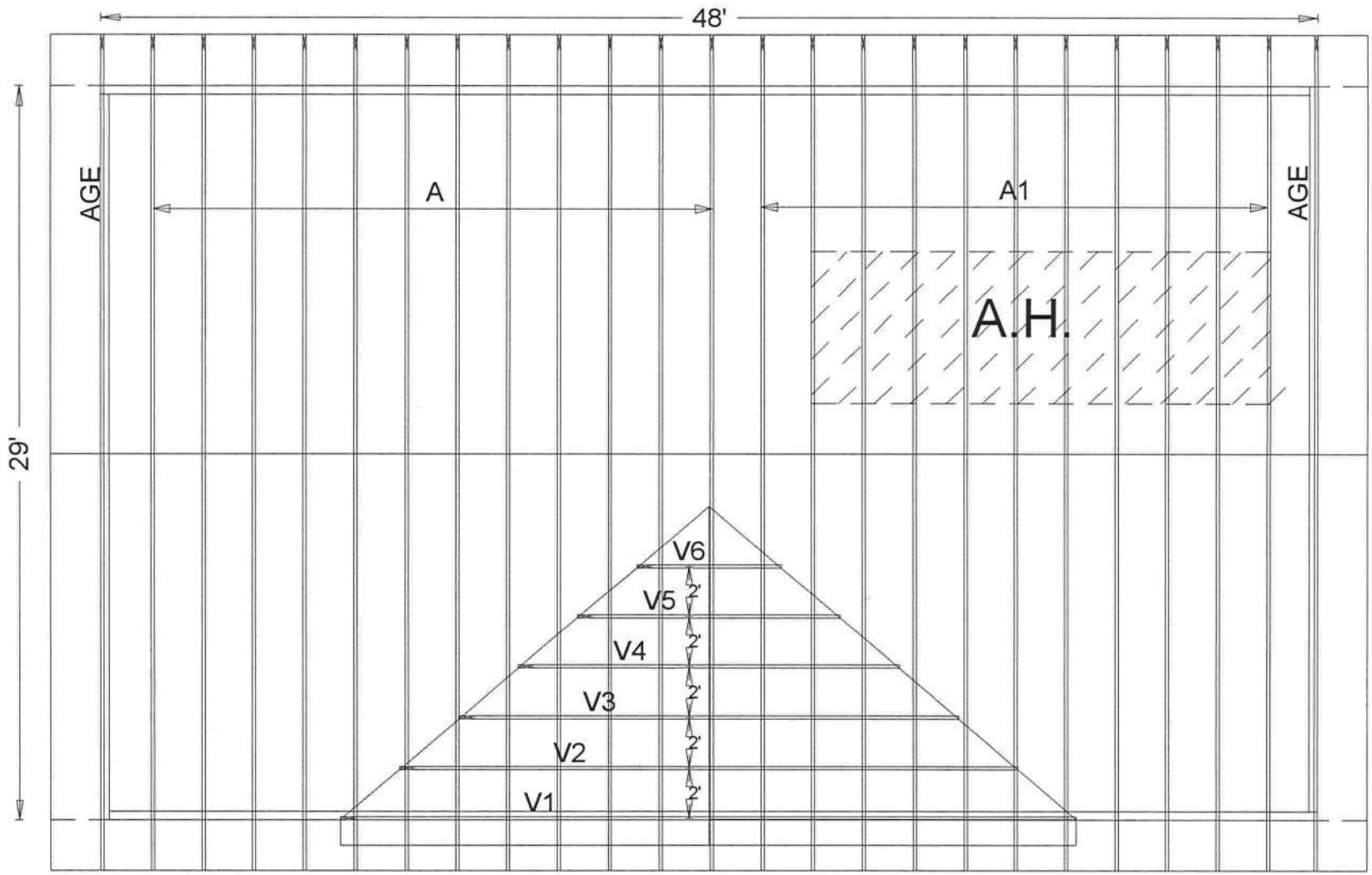
Details: A11015EE-GBLLETIN-BRCLBSUB-VALTRUSS-

Seal Date: 05/23/2008

-Truss Design Engineer-
Doug Fleming
Florida License Number: 66648
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	64778--A		08144005	05/23/08
2	64779--AGE		08144001	05/23/08
3	64780--A1		08144004	05/23/08
4	64781--V1		08144002	05/23/08
5	64782--V2		08144003	05/23/08
6	64783--V3		08144004	05/23/08
7	64784--V4		08144005	05/23/08
8	64785--V5		08144006	05/23/08
9	64786--V6		08144007	05/23/08

Subway
Brian Zecher



#8-091
BRYAN ZECHER / SUBWAY 3/20/08

Roof Plane Sheathing Area = 2221 sq. ft
Gable Sheathing Area = 266 sq. ft
Total Sheathing Area = 2487 sq. ft
Fascia Material = 215 linear ft
Valley Flashing Material = 41 linear ft
Ridge Cap Material = 65 linear ft

REVISED
05-23-08

(8-091--Fill in later BRYAN ZECHER -- , ** - A)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

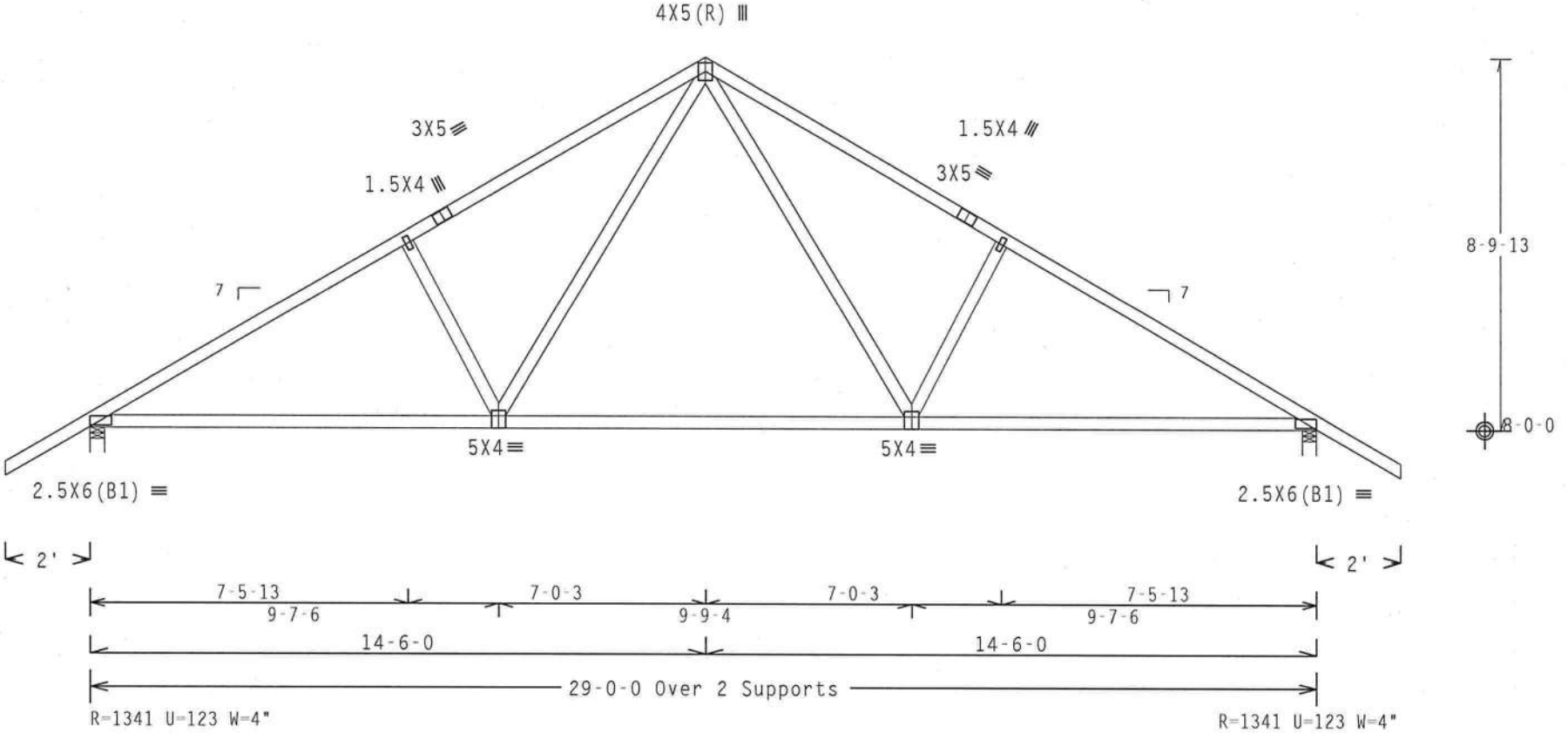
IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

CHORD	SPACING(IN OC)	START(FT)	END(FT)
BC	120	0.15	28.85

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.042

PLT TYP. Wave

QTY:1 FL/-/4/-/E/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
MAY 23 '08

TC LL	20.0 PSF	REF R8228- 64778
TC DL	10.0 PSF	DATE 05/23/08
BC DL	10.0 PSF	DRW HCUSR8228 08144005
BC LL	0.0 PSF	HC-ENG DF/DF *
TOT.LD.	40.0 PSF	SEQN- 88696
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1THR8228Z02

(8-091--Fill in later BRYAN ZECHER -- , ** - AGE)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Truss spaced at 24.0" OC designed to support 1-4-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

(A) Continuous lateral bracing equally spaced on member.

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

CHORD	SPACING(IN OC)	START(FT)	END(FT)
BC	120	-1.78	26.64

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

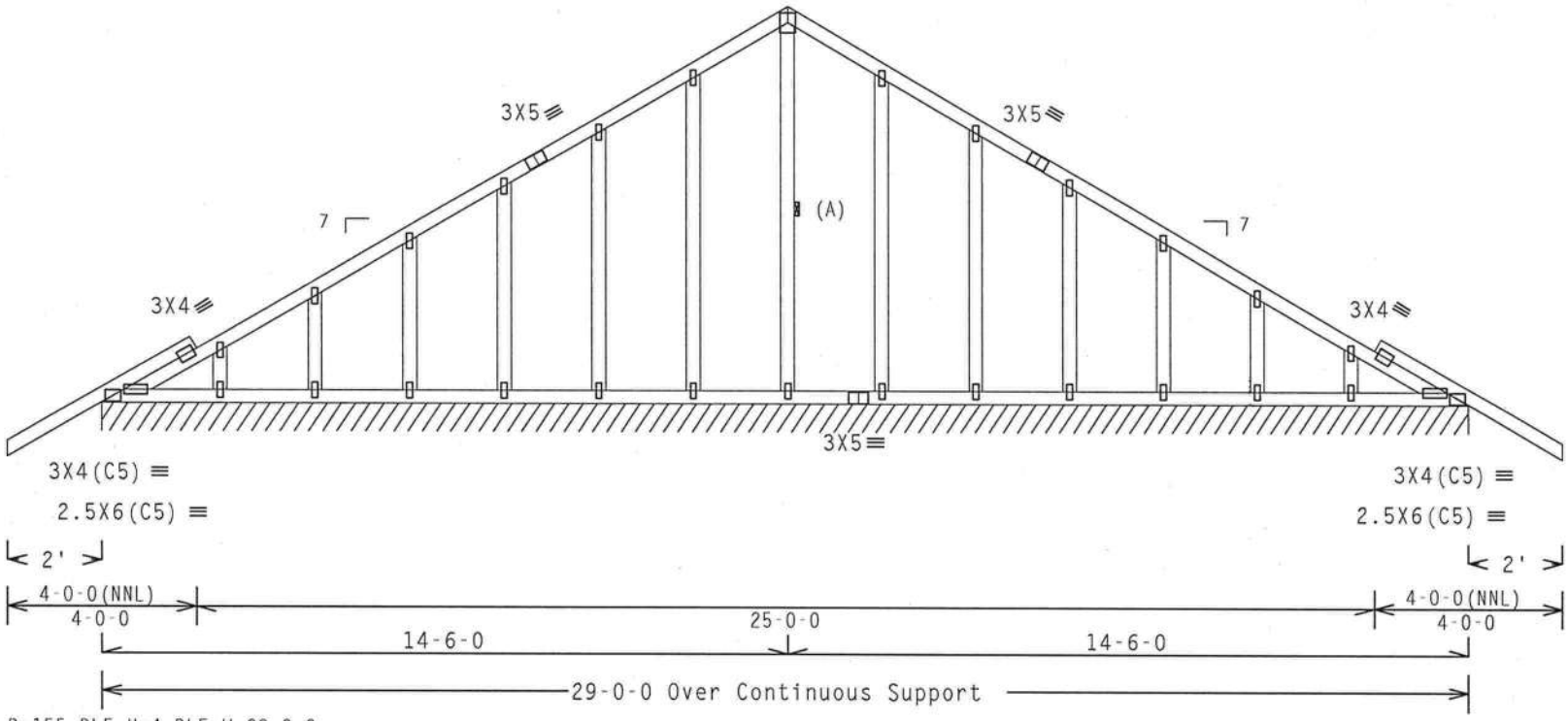
Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF, FLOOR AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. DIAPHRAGMS AND SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.

4X5(R)



R=155 PLF U=4 PLF W=29-0-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.042 QTY:1 FL/-/4/-/E/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
MAY 23 '08

TC LL	20.0 PSF	REF R8228- 64779
TC DL	10.0 PSF	DATE 05/23/08
BC DL	10.0 PSF	DRW HCUSR8228 08144001
BC LL	0.0 PSF	HC-ENG SSB/DF
TOT.LD.	40.0 PSF	SEQN- 50788
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1THR8228Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

IN LIEU OF STRUCTURAL PANELS OR RIGID CEILING USE PURLINS:

CHORD	SPACING(IN OC)	START(FT)	END(FT)
BC	120	0.15	28.85

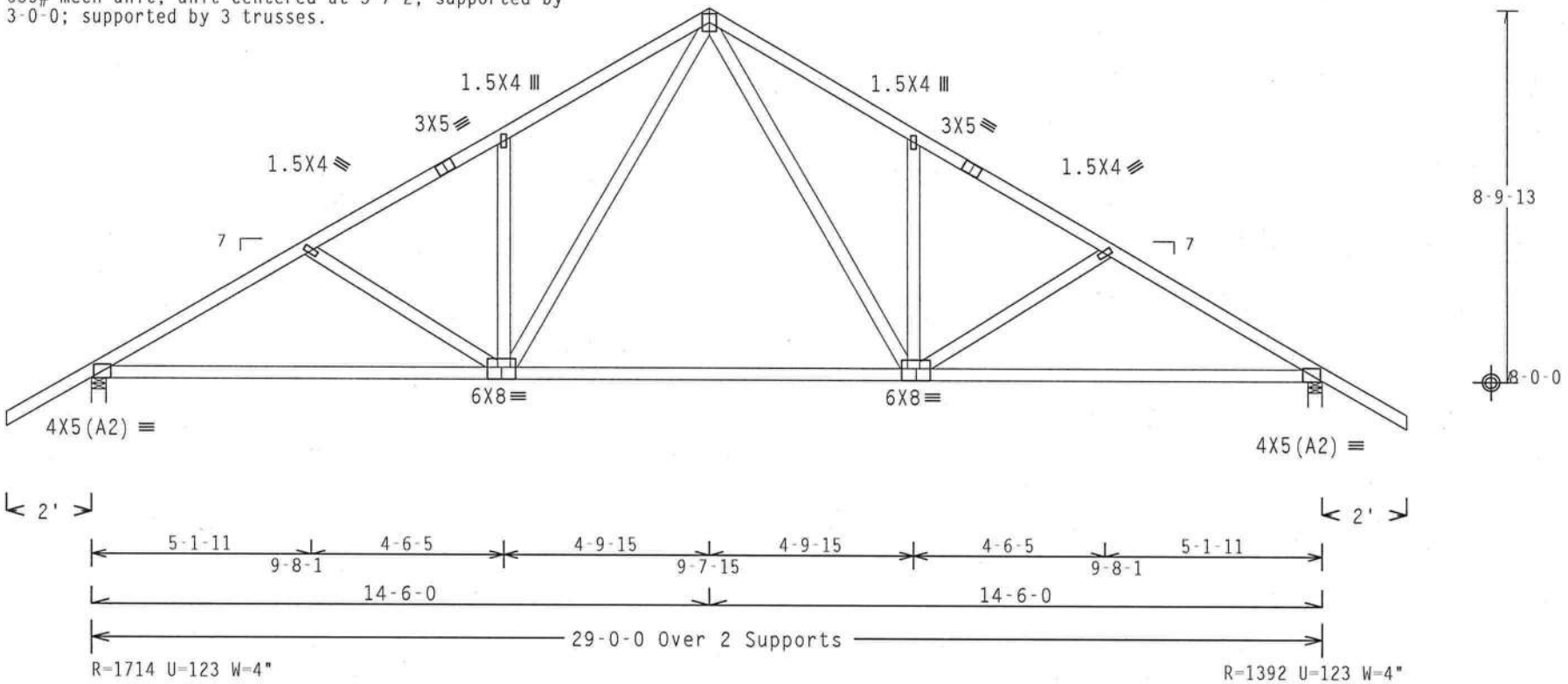
Truss supports 635# mech unit; unit centered at 3-7-2; supported by TC; unit width 3-0-0; supported by 3 trusses.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	63 PLF	at -2.00	to	63 PLF	at 8.22
TC - From	63 PLF	at 8.22	to	63 PLF	at 14.50
TC - From	63 PLF	at 14.50	to	63 PLF	at 20.78
TC - From	63 PLF	at 20.78	to	63 PLF	at 31.00
BC - From	5 PLF	at -2.00	to	5 PLF	at 0.00
BC - From	20 PLF	at 0.00	to	20 PLF	at 9.82
BC - From	20 PLF	at 9.82	to	20 PLF	at 19.18
BC - From	20 PLF	at 19.18	to	20 PLF	at 29.00
BC - From	5 PLF	at 29.00	to	5 PLF	at 31.00

PLT- 212 LB Conc. Load at (2.09,9.53), (5.09,11.28)

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.042

PLT TYP. Wave

QTY:1 FL/-/4/-/E/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
23 '08

TC LL	20.0 PSF	REF R8228- 64780
TC DL	10.0 PSF	DATE 05/23/08
BC DL	10.0 PSF	DRW HCUSR8228 08144004
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 88685
DUR.FAC.	1.25	
SPACING	24.0"	JRFF- 1THR8228Z02

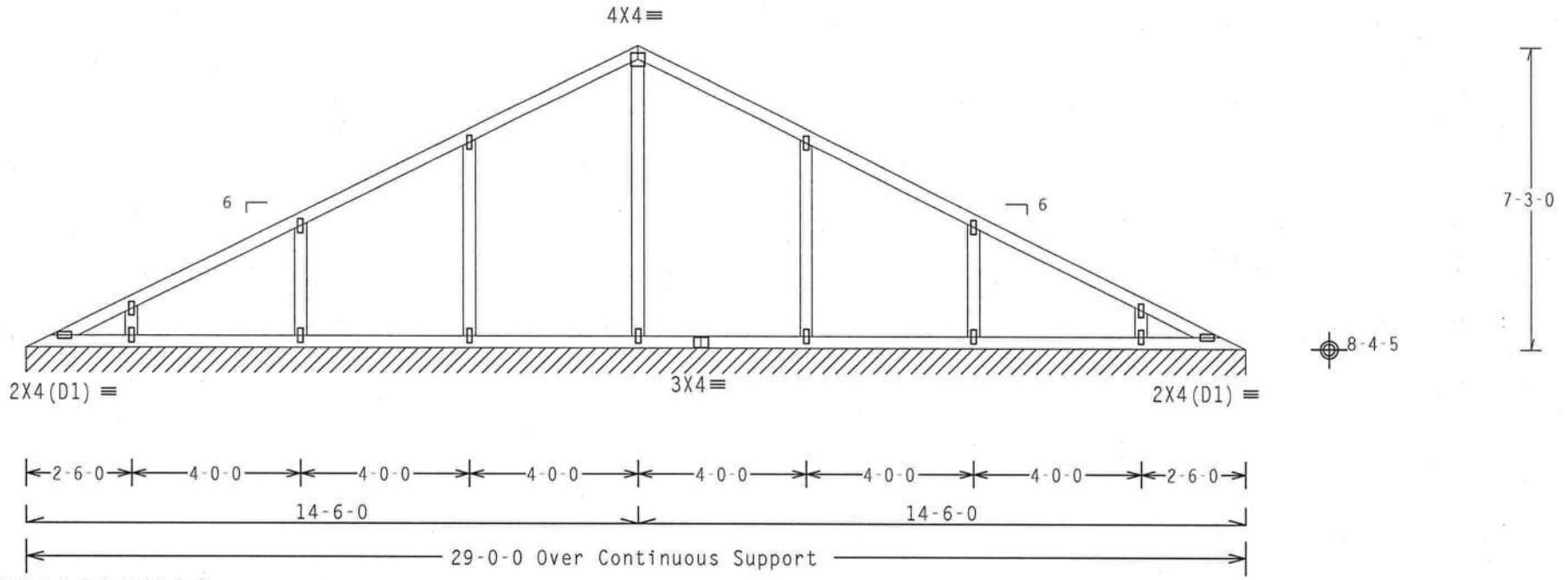
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



R=82 PLF U=7 PLF W=29-0-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.043 QTY:1 FL/-/4/-/E/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
23 '08

TC LL	20.0 PSF	REF	R8228- 64781
TC DL	10.0 PSF	DATE	05/23/08
BC DL	10.0 PSF	DRW	HCUSR8228 08144002
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	30104
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1THR8228Z02

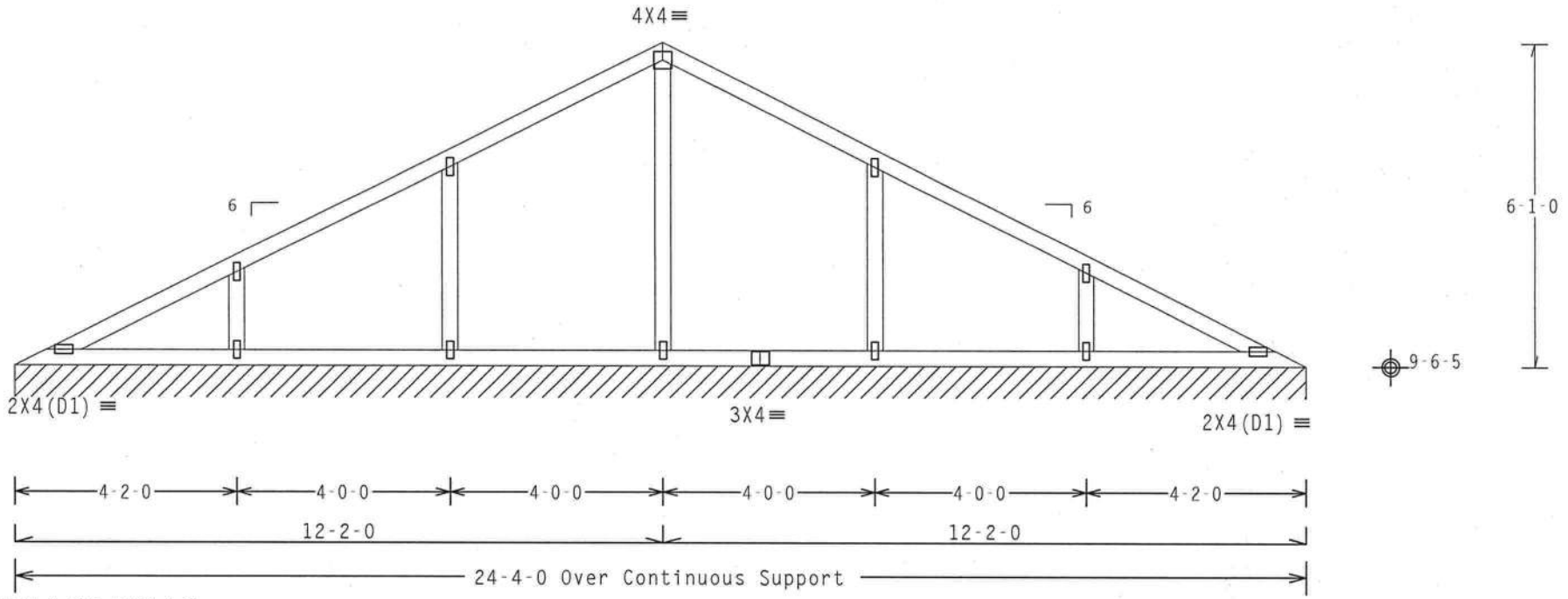
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.042 QTY:1 FL/-/4/-/E/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
23 '08

TC LL	20.0 PSF	REF	R8228- 64782
TC DL	10.0 PSF	DATE	05/23/08
BC DL	10.0 PSF	DRW	HCUSR8228 08144003
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	30110
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1THR8228Z02

(8-091--Fill in later BRYAN ZECHER -- , ** - V3)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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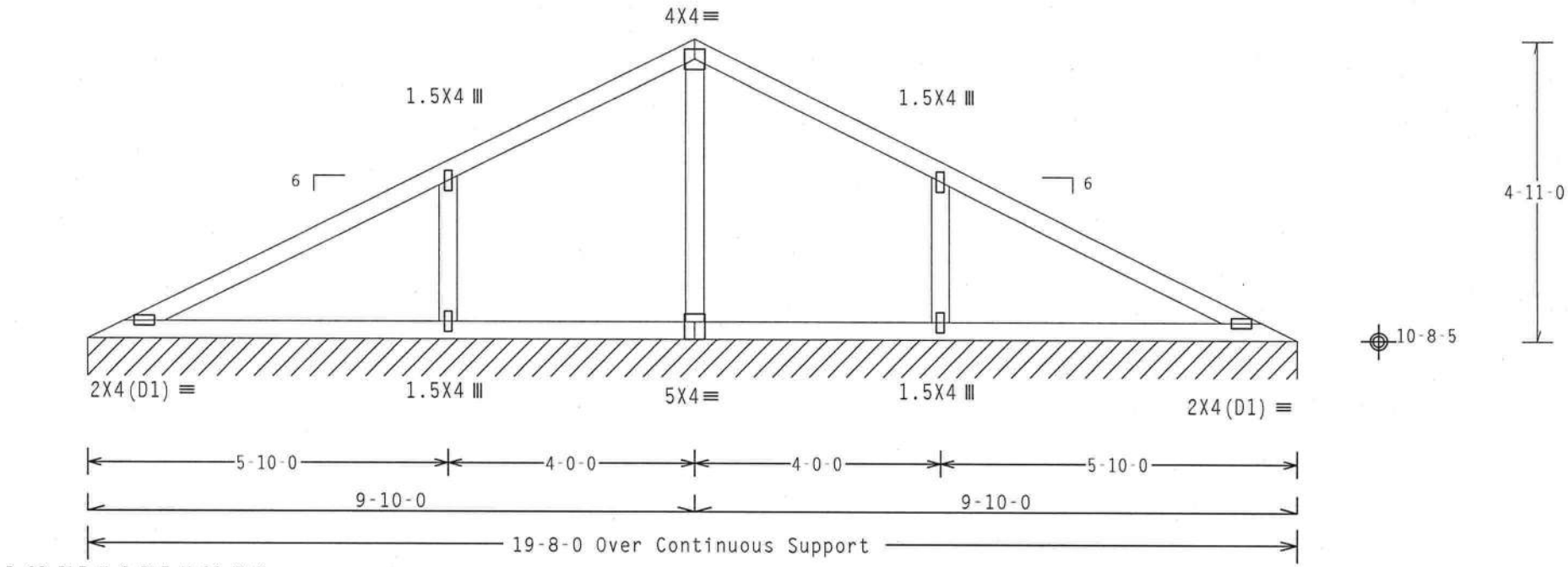

R=82 PLF U=6 PLF W=19-8-0

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.04

PLT TYP. Wave

QTY:1 FL/-/4/-/E/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

23 '08

TC LL	20.0 PSF	REF R8228- 64783
TC DL	10.0 PSF	DATE 05/23/08
BC DL	10.0 PSF	DRW HCUSR8228 08144004
BC LL	0.0 PSF	HC-ENG DF/DF *
TOT.LD.	40.0 PSF	SEQN- 30115
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1THR8228Z02

(8-091--Fill in later BRYAN ZECHER -- , ** - V4)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

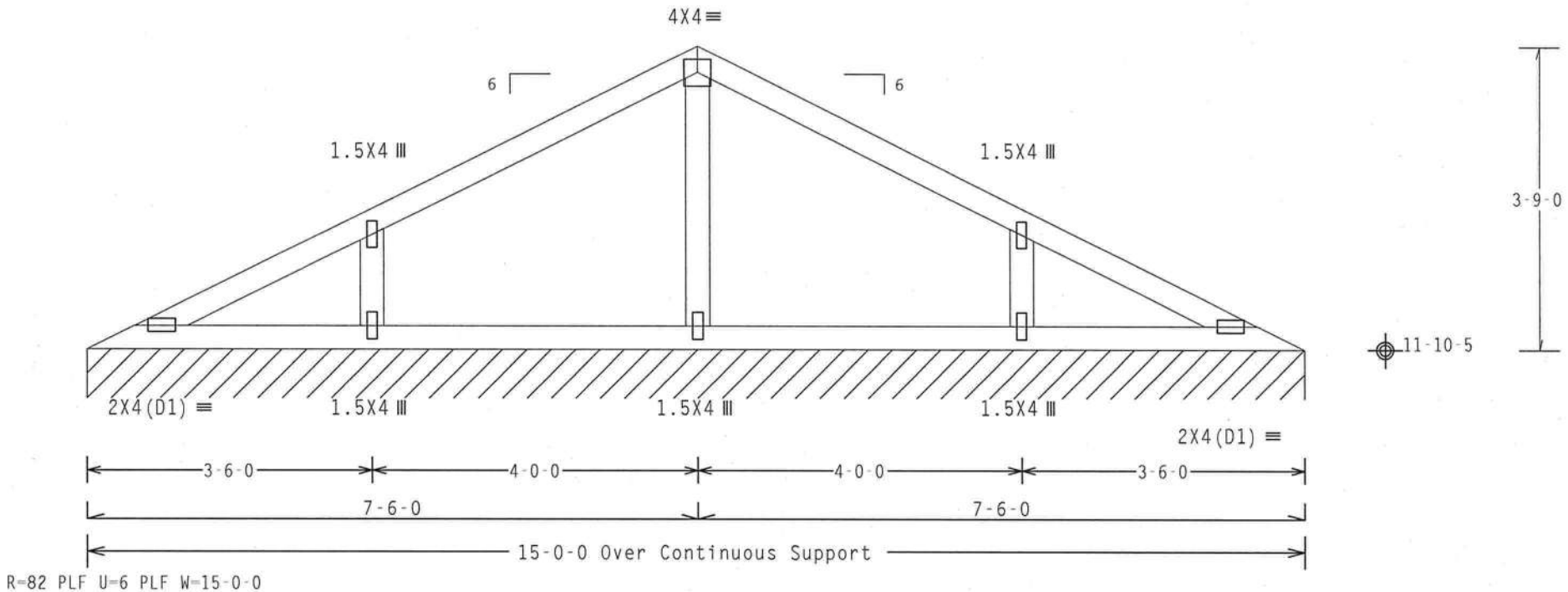
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.042

PLT TYP. Wave QTY:1 FL/-/4/-/E/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
23 '08

TC LL	20.0 PSF	REF	R8228- 64784
TC DL	10.0 PSF	DATE	05/23/08
BC DL	10.0 PSF	DRW	HCUSR8228 08144005
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	30119
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1THR8228Z02

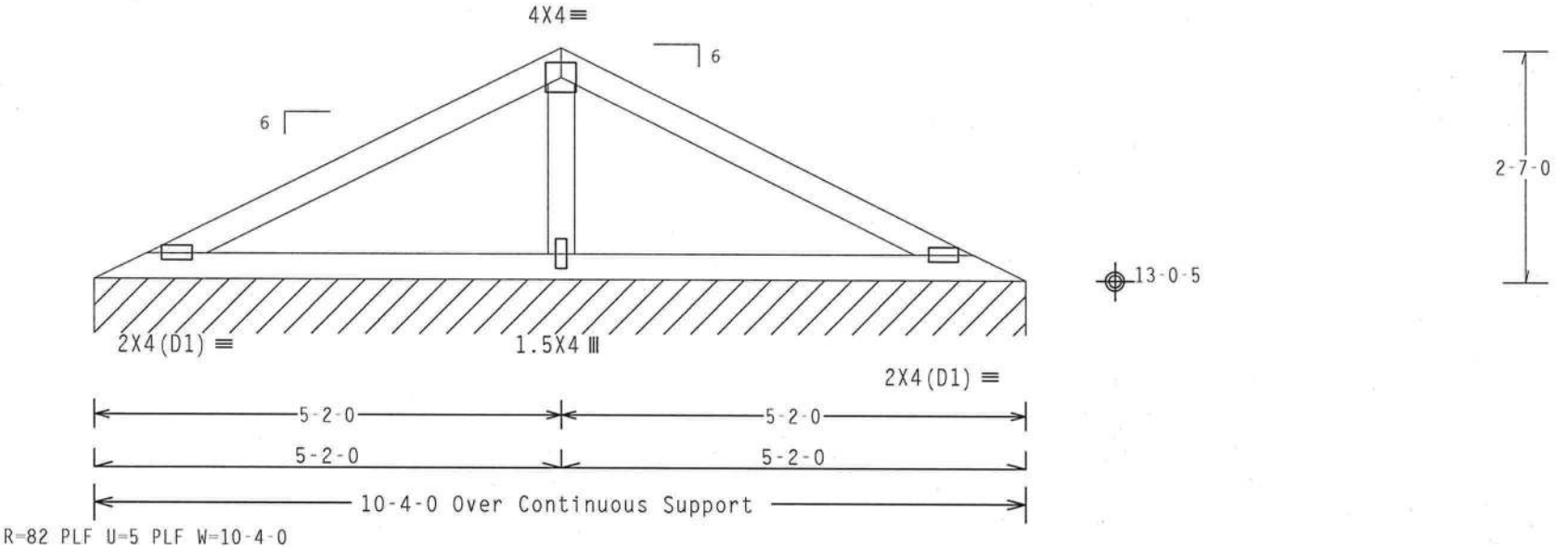
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.043

PLT TYP. Wave QTY:1 FL/-/4/-/E/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
MAY 23 '08

TC LL	20.0 PSF	REF	R8228- 64785
TC DL	10.0 PSF	DATE	05/23/08
BC DL	10.0 PSF	DRW	HCUSR8228 08144006
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	30123
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1THR8228Z02

(8-091--Fill in later BRYAN ZECHER -- , ** - V6)

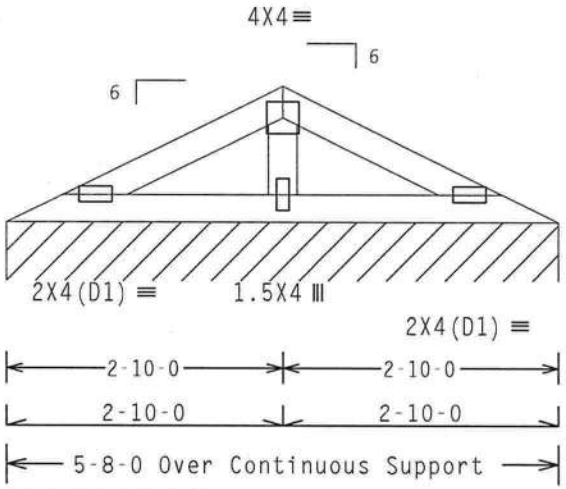
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.05 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



R=82 PLF U=4 PLF W=5-8-0

14-2-5

1-5-0

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.04

PLT TYP. Wave QTY:1 FL/-/4/-/E/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 23 '08

TC LL	20.0 PSF	REF R8228- 64786
TC DL	10.0 PSF	DATE 05/23/08
BC DL	10.0 PSF	DRW HCUSR8228 08144007
BC LL	0.0 PSF	HC-ENG DF/DF *
TOT.LD.	40.0 PSF	SEQN- 30127
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1THR8228Z02

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
16" O.C.	SPF HF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"
	SP DFL	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

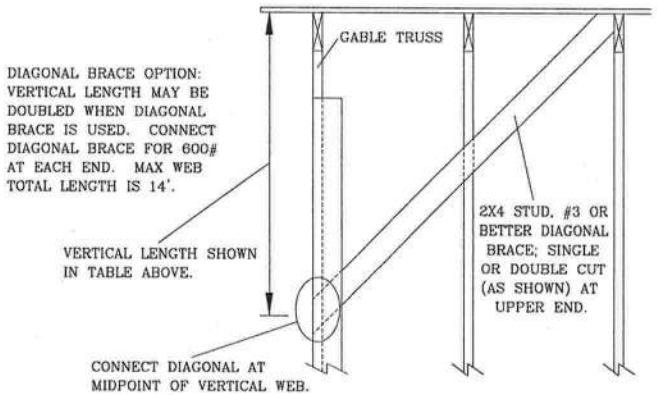
SOUTHERN PINE
#3
STUD
STANDARD

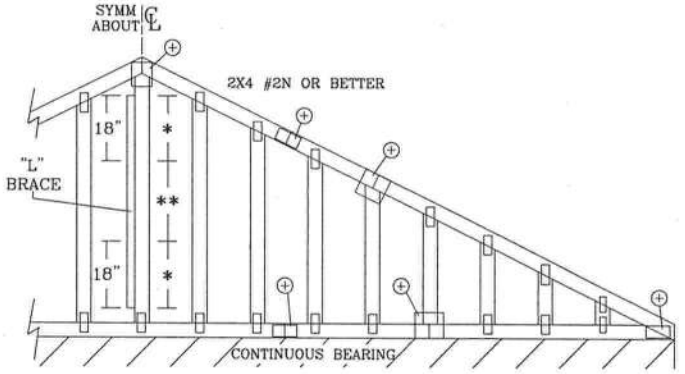
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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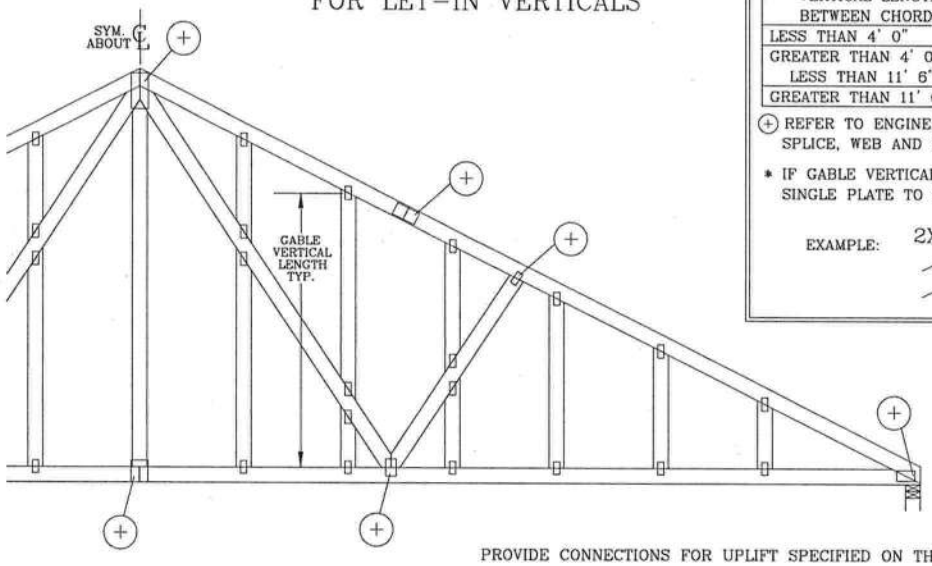
DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 23 '07

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	2/23/07
DRWG	A11015EE0207
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

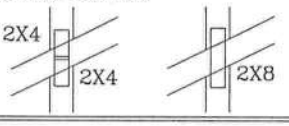


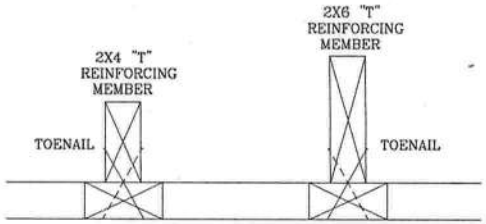
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:





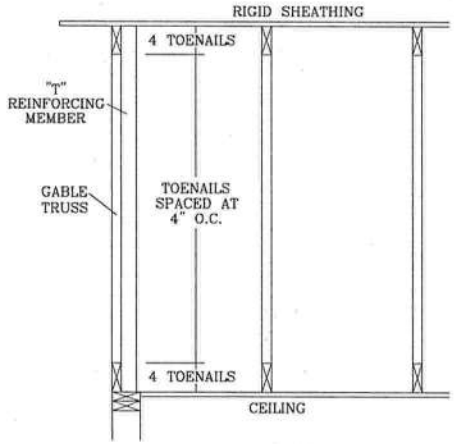
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207,
A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207,
A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08530EC0207
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08515EE0207,
A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08530EE0207
ASCE 7-05 GABLE DETAIL DRAWINGS
A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207,
A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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MAR 13 '08

MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLLETIN0207
-ENG	DLJ/KAR

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

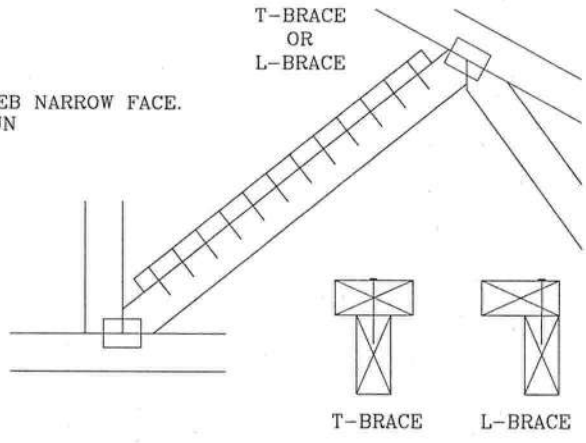
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

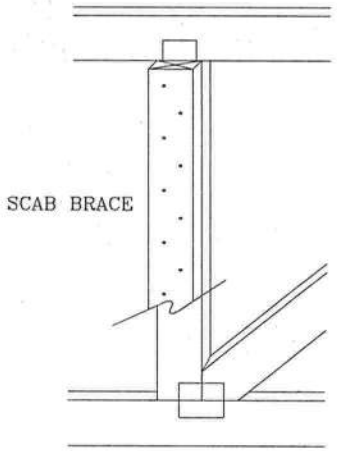
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN (0.128"x 3.",MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN (0.128"x 3.",MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
May 23 '08

TC LL	PSF	REF CLB SUBST.
TC DL	PSF	DATE 2/23/07
BC DL	PSF	DRWG BRCLBSUB0207
BC LL	PSF	-ENG MLH/KAR
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.
BOT CHORD 2X3(*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.
WEBS 2X4 SP #3 OR BETTER.

* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH: (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR SBC 110 MPH, ASCE 7-93 110 MPH OR ASCE 7-98, ASCE 7-02 OR ASCE 7-05 130 MPH. 15' MEAN HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING, EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".

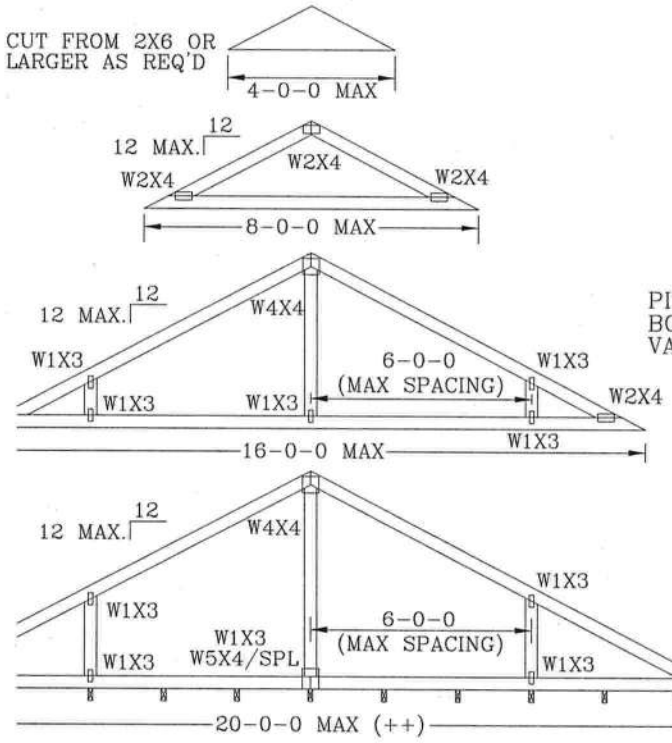
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS INSTALLATION
OR
PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN
OR
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON ENGINEERS' SEALED DESIGN.

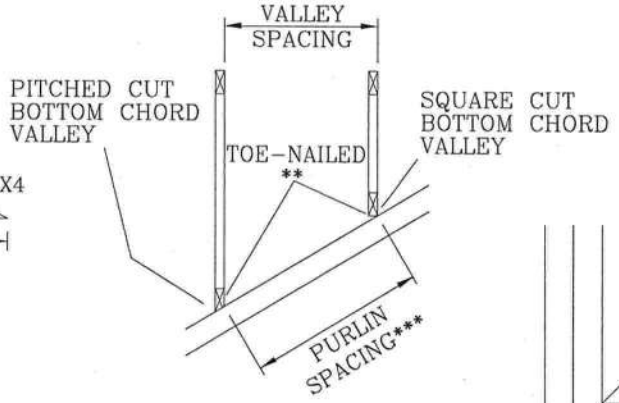
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

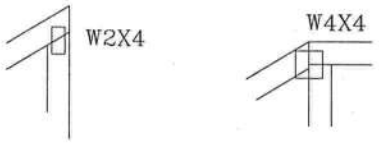
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

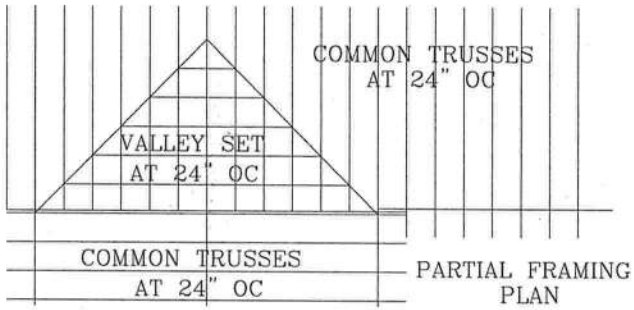
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.







THIS DRAWING REPLACES DRAWING A105

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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TC LL	30	30	40 PSF	
TC DL	20	15	7 PSF	
BC DL	10	10	10 PSF	
BC LL	0	0	0 PSF	
TOT. LD.	60	55	57 PSF	
DUR.FAC.	1.25/1.33	1.15	1.15	
SPACING		24"		

REF	VALLEY DETAIL
DATE	2/23/07
DRWG	VALTRUSS0207
-ENG	MLH/KAR

SUBSURFACE EXPLORATION
PROPOSED SUBWAY STORE
FORT WHITE, COLUMBIA COUNTY, FLORIDA
CTI PROJECT NO. 08-00290-01

--- 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

June 4, 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

June 4, 2008

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

Attention: Mr. Bryan Zecher, President

Subject: Report of Subsurface Exploration
Proposed Subway Store
Fort White, Columbia County, Florida
CTI Project No. 08-00290-01

Dear Mr. Zecher:

Cal-Tech Testing, Inc. (CTI) has completed the subsurface exploration for the proposed Subway Store. Our work was planned and performed in general accordance with our proposal dated May 28, 2008. Authorization to this work was provided by you on May 30, 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 Subway Store. The subject site is located in the southwestern quadrant of U.S. Highway 27 and Cullen Avenue intersection in Fort White, Columbia County, Florida.

We understand that the proposed project will consist of a new Subway Store with associated parking and drive areas. Based on our knowledge of similar type facilities, we anticipate the structural loads for the building will not exceed 2 to 3 kips per linear foot for the walls nor 25 kips for any column. Floor slab loads will be on the order of 40 to 60 psf. We also anticipate that finished floor elevation will be at or near the existing ground surface with new earthwork fill not to exceed 2 feet 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 area. The SPT borings were performed on June 4, 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 initially consisted of about 1 to 1½ feet of gray, silty fine sand with organics (topsoil). The surface layer is underlain by about 4½ to 5 feet of tan, silty fine sand (SP-SM). This stratum is underlain by about 6 to 8½ feet of light tan, slightly silty fine sand (SP). Beneath this stratum, the explored subsurface profile consisted of about 1 to 3 feet of reddish brown, clayey fine sand (SC). In general, these sandy soils have a very loose to medium dense relative density with "*N*" values ranging from 3 to 17 Blows Per Foot (BPF).

Groundwater Conditions

The depth to the groundwater was measured at the borings location 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 "reported or documented" sinkhole occurrences within a 1½-mile radius of the subject site. 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. It must be understood that this exploration was not intended to predict or preclude future sinkholes from occurring within the limits of 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 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 building will experience total and differential settlements of less than 1 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 the clearing and removal of topsoil (about 12 to 18 inches), and relocating existing utilities that fall within the new construction areas. The building perimeters 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.

Bearing Material

The foundations should bear in either natural soils, or in compacted structural fill/backfill. Sandy soils 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 aggregate (such as ASTM No. 57) or two to three inches of lean concrete mud mat.

Ground Floor Slab Support

The ground floor slab for the proposed building 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 nearby residence). 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.

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.

Abby Stalnes for
David B. Brown
Executive Vice President

Nabil O. Hmeidi, P.E. 6/5/08
Senior Geotechnical Engineer
Licensed, Florida No. 57842

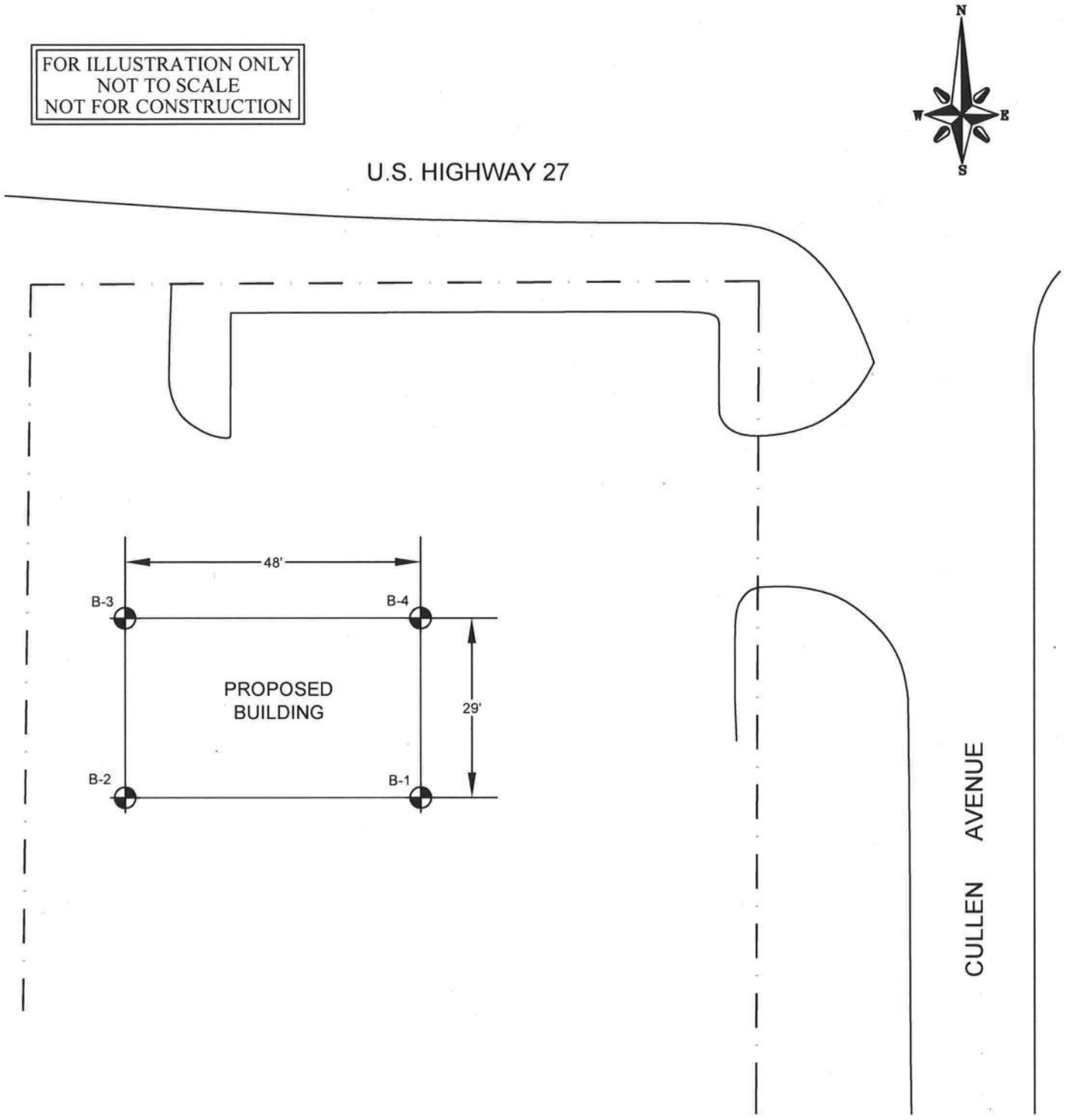
Distribution: *File (1 copy)*
Addressee (3 copies)

Attachments: *Vicinity Map (1 page)*
Field Exploration Plan (1 page)
Record Boring Logs (4 pages)
Subsurface Diagram (1 page)
Unified Soil Classification System (1 page)
Key To Test Data (1 page)

CAL-TECH TESTING, INC. **P.O. Box 1625** **Lake City, Florida 32056-1625** **Phone: (386) 755-3633** **Fax: (386) 752-5456**	**VICINITY MAP** **New Subway Store** **Fort White, Columbia County, Florida** **Cal-Tech Testing Project No. 08-00290-01**

Figure 1

FOR ILLUSTRATION ONLY
NOT TO SCALE
NOT FOR CONSTRUCTION



Standard Penetration Test borings by CTI performed on 06/04/2008

SUBSURFACE EXPLORATION PROPOSED SUBWAY STORE FORT WHITE, 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. 08-00290-01 | DATE: 06/04/2008 | 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-1

CLIENT Bryan Zecher Construction, Inc.
PROJECT NAME New Subway Store
PROJECT NUMBER 08-00290-01
PROJECT LOCATION Fort White, Columbia County, Florida
DATE STARTED 06/04/08 **COMPLETED** 06/04/08
GROUND ELEVATION _____ **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		Gray, silty fine sand with organics (TOPSOIL)					
		VERY LOOSE, tan, silty fine sand (SP-SM)	SPT 2	100	3-2-2 (4)		
			SPT 3	100	2-1-1 (2)		
5			SPT 4	100	1-2-2 (4)		
		VERY LOOSE to LOOSE, light tan, slightly silty fine sand (SP)	SPT 5	100	2-2-1 (3)		
			SPT 6	100	3-2-3 (5)		
10			SPT 7	100	3-3-4 (7)		
15		MEDIUM DENSE, reddish brown, clayey fine sand (SC)	SPT 8	100	4-7-6 (13)		

Bottom of borehole at 15.0 feet.

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

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

BORING NUMBER B-2

CLIENT Bryan Zecher Construction, Inc.
PROJECT NAME New Subway Store
PROJECT NUMBER 08-00290-01
PROJECT LOCATION Fort White, Columbia County, Florida
DATE STARTED 06/04/08 COMPLETED 06/04/08
GROUND ELEVATION ____ 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		Gray, silty fine sand with organics (TOPSOIL)					
		VERY LOOSE to LOOSE, tan, silty fine sand (SP-SM)	SPT 2	100	1-1-2 (3)		
			SPT 3	100	1-2-2 (4)		
5			SPT 4	100	2-3-2 (5)		
		VERY LOOSE to LOOSE, light tan, slightly silty fine sand (SP)	SPT 5	100	2-1-2 (3)		
			SPT 6	100	2-3-2 (5)		
10			SPT 7	100	3-3-3 (6)		
		LOOSE, reddish brown, clayey fine sand (SC)	SPT 8	100	5-5-4 (9)		
15		Bottom of borehole at 15.0 feet.					

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

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

BORING NUMBER B-3

CLIENT Bryan Zecher Construction, Inc.
PROJECT NAME New Subway Store
PROJECT NUMBER 08-00290-01
PROJECT LOCATION Fort White, Columbia County, Florida
DATE STARTED 06/04/08 COMPLETED 06/04/08
GROUND ELEVATION _____ 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		Gray, silty fine sand with organics (TOPSOIL)					
		VERY LOOSE, tan, silty fine sand (SP-SM)	SPT 2	100	2-2-2 (4)		
			SPT 3	100	1-1-1 (2)		
5			SPT 4	100	2-2-1 (3)		
		VERY LOOSE to LOOSE, light tan, slightly silty fine sand (SP)	SPT 5	100	2-2-2 (4)		
			SPT 6	100	2-2-3 (5)		
10			SPT 7	100	3-3-2 (5)		
		MEDIUM DENSE, reddish brown, clayey fine sand (SC)					
15			SPT 8	100	9-8-9 (17)		

▲ 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.

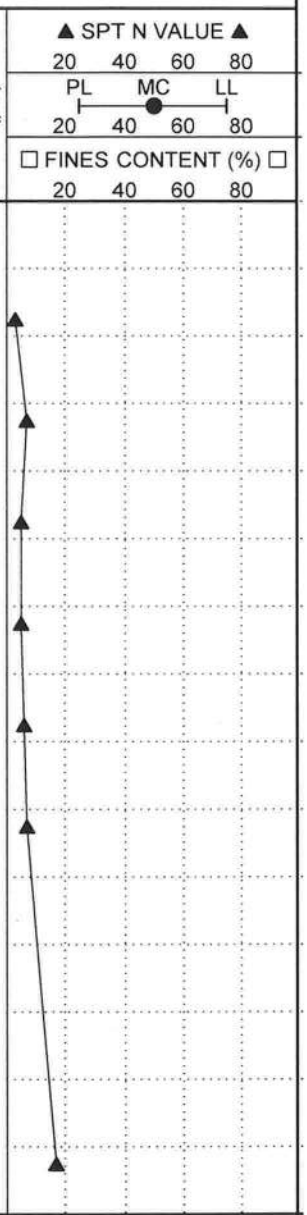
CAL-TECH TESTING, INC.
3309 SW SR 247
Lake City, Florida 32024
Telephone: (386) 755-3633
Fax: (386) 752-5456

BORING NUMBER B-4

CLIENT Bryan Zecher Construction, Inc.
PROJECT NAME New Subway Store
PROJECT NUMBER 08-00290-01
PROJECT LOCATION Fort White, Columbia County, Florida
DATE STARTED 06/04/08 **COMPLETED** 06/04/08
GROUND ELEVATION _____ **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		Gray, silty fine sand with organics (TOPSOIL)					
		VERY LOOSE to LOOSE, tan, silty fine sand (SP-SM)	SPT 2	100	1-1-2 (3)		
			SPT 3	100	2-3-4 (7)		
5			SPT 4	100	2-2-3 (5)		
		LOOSE, light tan, slightly silty fine sand (SP)	SPT 5	100	3-3-2 (5)		
			SPT 6	100	3-3-3 (6)		
10			SPT 7	100	3-3-4 (7)		
		MEDIUM DENSE, reddish brown, clayey fine sand (SC)					
15			SPT 8	100	7-9-8 (17)		

Bottom of borehole at 15.0 feet.

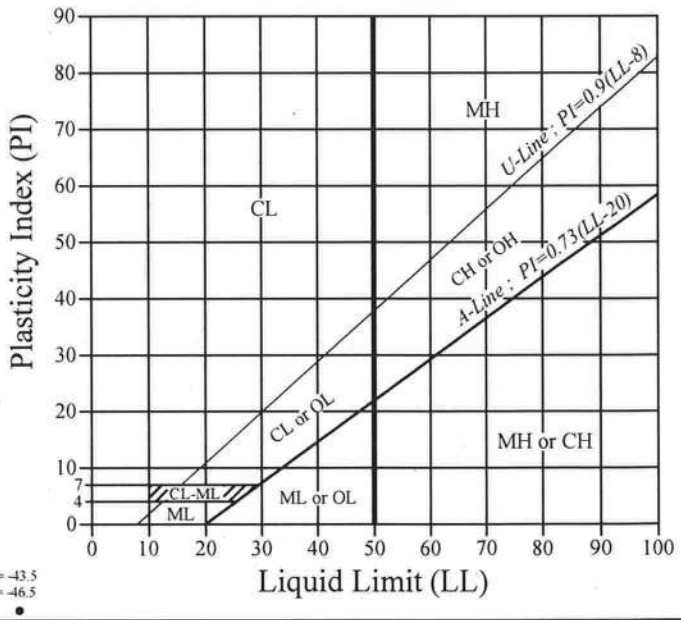


UNIFIED SOIL CLASSIFICATION SYSTEM
ASTM DESIGNATION D-2487

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 diato-maceous 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.



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 ..... SP-SM
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.

CONSISTENCY (SILTS & 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.

HARDNESS (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.

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

K2 DEVELOPMENT - SUBWAY

SITE PLAN

FOR:
Gary Ward
394 SW Finley Little Lane
Lake City, FL 32024
Phone: (386) 288-6760

STRUCTURAL/CIVIL ENGINEERS

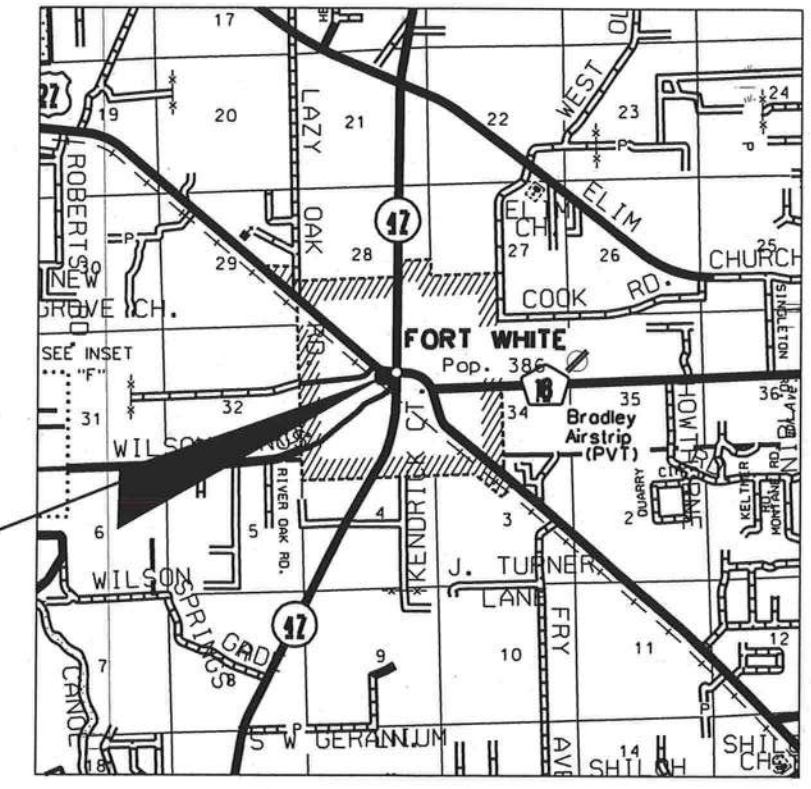
GTC Design Group
P.O. Box 187
130 West Howard Street
Live Oak FL, 32064
Phone: (386) 362-3678
Fax: (386) 362-6133
Chadwick Williams, PE 63144
Auth. #: 9461

GTC PROJECT NUMBER:
PF07-222

2nd SUBMITTAL FDOT

REVISIONS:
1-8-08 PER FDOT

INDEX OF SHEETS



LOCATION MAP

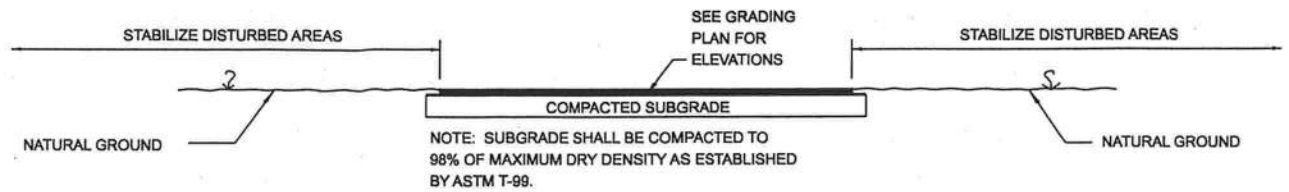
SECTION 33, TOWNSHIP 6 SOUTH, RANGE 16 EAST
COLUMBIA COUNTY, FLORIDA

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

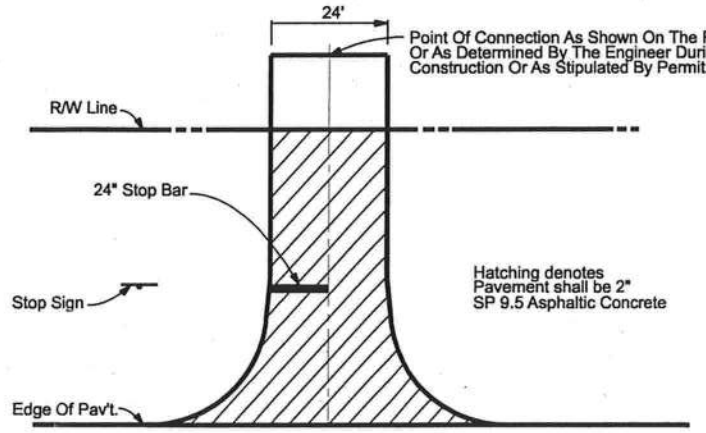
5-27-08

GENERAL NOTES

1. The contractor shall verify all existing conditions and dimensions at the job site to insure that all new work will fit in the manner intended on the plans. Should any conditions exist that are contrary to those shown on the plans, the contractor shall notify the engineer and the Town of Fort White, Florida (Department of Growth Management) of such differences immediately & prior to proceeding with the work.
2. The contractor shall maintain the construction site at all times in a secure manner. All open trenches and excavated areas shall be protected from access by the general public.
3. Boundary and topographical information shown was obtained from a survey performed by Brinkman Surveying & Mapping, Inc., P.S.M. Florida Certificate #5582.
4. Any public land corner within the limits of construction is to be protected. If a corner monument is in danger of being destroyed and has not been properly referenced, the contractor should notify the engineer.
5. The site is located in Section 33, Township 6 South, Range 16 East, Columbia County, Florida.
6. Contractors shall adhere to the Erosion Control Plan. All erosion control measures shall be implemented prior to construction and be continued until construction is complete.
7. The stormwater system is designed in accordance with SRWMD.
8. All disturbed areas not sodded shall be seeded with a mixture of long-term vegetation and quick-growing short-term vegetation for the following conditions. For the months from September through March, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of winter rye. For the months of April through August, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of millet.
9. A pad of rubble riprap shall be placed at the bottom of all collection flumes and collection pipe outlets.
10. Existing drainage structures within the construction limits shall be removed, unless otherwise specified in the plans.
11. The location of the utilities shown in the plans is approximate only. The exact location shall be determined by the contractor during construction.
12. The contractor shall waste all excess earth on site as directed by the engineer.
13. All site construction shall be in accordance with the Town of Fort White Land Development Regulations.
14. Contractor shall provide an as-built survey meeting the requirements of Chapter 61G17 F.A.C. for the stormwater management systems. Include horizontal and vertical dimensional data so that improvements are located and delineated relative to the boundary. Provide sufficient detailed data to determine whether the improvements were constructed in accordance with the plans. Submit the survey to the engineer on reproducible 20 lb. Vellum.
15. Contractor shall review and become familiar with all required utility connections prior to bidding. Contractor shall provide all work and materials required to complete connection to the existing utilities. This includes, but is not limited to, manhole coring, wet taps, pavement repairs and directional boring.
16. Contractor shall coordinate all work with other contractors within project limits.
17. Contractor shall sod all slopes of 4' horizontal to 1' vertical and staple sod all slopes of 2' horizontal to 1' vertical.
18. Minimum finish floor elevation of each lot is given on Sheet 3. In addition, on sloping lots, the natural drainage shall be directed around structures with swales
19. All construction of armament shown in these plans shall conform to FDOT indexes and specifications.
20. All stormwater pipes shall have a minimum cover of 6". Use Limerock backfill if pipe under pavement has less than 12" cover.
21. Potable water and sanitary sewer to be supplied by Town of Fort White.
22. All swales, depression areas and retention ponds shall be inspected monthly for sinkhole occurrence. Should a sinkhole occur, the area should be repaired as soon as possible. If a solution pipe sinkhole does form in the stormwater system, then the sinkhole shall be repaired by backfilling with a lower permeability material. A 2-foot cap that extends 2 feet beyond the perimeter of the sinkhole shall be constructed with clayey soils. The clayey soil should have at least 20% passing the number 200 sieve, compacted to 95% of Standard Proctor, and compacted in a wet condition with moisture 2%-4% above optimum. The clay soil cap shall be re-graded to prevent ponding and re-vegetated.
23. A copy of the As-Built plans (in paper & digital AutoCAD format) must be submitted to the Town of Fort White, Florida (Department of Growth Management). As-Builts shall be in state plane coordinates (NAD_1983_StatePlane_Florida_North_FIPS_0903_Feet).



PARKING APRON
1.25" TYPE S ASPHALT
6" LIMEROCK BASE
8" COMPACTED SUB-GRADE



CONNECTION DETAIL FOR CULLEN AVENUE
NTS

24. Contractor shall contact the Town of Fort White, Florida, Department of Growth Management to preform the following site inspections: erosion & sediment control inspection (prior to commencing construction), Site Compliance Inspection (once building foundation is poured & improvements are being laid out), and Final Site Compliance Inspection (once all improvements are finalized). no Certificate of Occupancy will be issued for any developments that do not receive the above mentioned site inspections.

5-27-08

INSPECTIONS BY TOWN ENGINEER OR REPRESENTATIVES

1. Completion of clearing and grubbing. Visual only – no test requirements.
2. Rough graded and drainage structures in place. Test results L.B.R. – pipe backfill density.
3. Subgrade complete. Test results – density.
4. Limerock placed and finished. Test results – thickness, cross-section and density.
5. Asphaltic concrete in place. Test results – thickness and density.
6. Final inspection for acceptance to be performed by city engineer, public works director and city counselmen (should he/she desire to attend).
7. The developer/contractor shall be responsible for notifying the director of public works representative when each construction phase is ready for inspection.

TOWN OF FORT WHITE CONSTRUCTION REQUIREMENTS FOR DEVELOPERS GENERAL REQUIREMENTS

1. The roadway construction plans must be reviewed and approved prior to commencing construction.
2. All materials and construction shall conform to the requirements of the FDOT Standard Specifications for Road and Bridge Construction.
3. The materials and construction shall be certified by a testing laboratory retained by the developer or contractor. Copies of all test results shall be provided prior to acceptance.
4. All traffic control and safety items (striping, stop bars, regulatory signs, etc.) shall be in place.
5. The temporary grass shall be sufficient to control erosion.
6. Final inspection for acceptance to be performed by city engineer, public works director and city counselmen (should he/she desire to attend).

DATE	REVISION NOTES

P.O. Box 187
130 West Howard Street
Live Oak FL, 32064
Phone: (386) 362-3678
Fax: (386) 362-6133

STRUCTURAL/CIVIL ENGINEERS

K2 DEVELOPMENT SUBWAY
GENERAL NOTES & DETAILS

PROJECT NUMBER
PF07-222

SHEET
1

PARCEL
±24,806 SQUARE FEET
SUBJECT PARCEL NOT INCLUDED IN TOPOGRAPHIC STORY

BLOCK 55

S.W. CORNER BLOCK 43

2' CURB & GUTTER

N 90°00'00"W 870.01' (M)

90' (D) N 90°00'00"W 89.85' (CM)

120' (D) N 90°00'00"E 119.79' (M)

ENC. CORNER IS 2.3'S & 0.6'E OF PROPERTY CORNER

120' (D) N 00°25'43"E 117.61' (M)

210' (D) N 00°25'43"E 204.94' (CM)

S 00°25'43"W 60.05' (C)

N 00°25'43"E 267.54' (C)

N 00°25'43"E 266.99' (M)

89' (D) N 89°27'28"W 88.85' (CM)

122' (D) N 89°27'28"W 120.79' (M)

90' (D) N 00°25'43"E 88.18' (M)

14425-000 O.R.B.935, PG.816

14424-000 O.R.B. 1114, PG. 1224

14426-001 O.R.B. 1121, PG. 1252

14426-000 O.R.B.824, PG. 672

ONE STORY WOOD FRAME RESIDENCE ON CONC FOUNDATION 280 S.W.CULLEN AVE.

ROOFED CONC

ROOFED CONC ENTRY

ELEC METER

A/C ON CONC

WOOD FNC

6' WOOD FNC

4' C.L.F.

SEE DETAIL A

SEE DETAIL B

SEE DETAIL C

SEE NOTE 7

P.O.B.

60.0'

24.3'

37.8'

39.4'

.58 ACRES

0 15 30 60

EXISTING ASPHALT

EXISTING BUILDING

EXISTING SIDEWALK

5-27-08

DATE	REVISION NOTES

P.O. Box 187
130 West Howard Street
Live Oak FL, 32064
Phone: (386) 362-3678
Fax: (386) 362-6133

STRUCTURAL/CIVIL ENGINEERS

K2 DEVELOPMENT SUBWAY

EXISTING CONDITIONS

PROJECT NUMBER
PF07-222

SHEET
2

...\CAD\exc01_FW.dgn 5/23/2008 12:04:27 PM

US 27 / SR 20

0 10 20 40

N

SEE SHEET 8
FOR FDOT CONNECTION

PROPOSED SUBWAY SIGN
3' D X 12' L X 1.5' W
W/ (6") POLE

CONSTRUCT ± 75 LF
(1") CONDUIT

CONSTRUCT 80 LF OF
(1") PVC WATER MAIN
TO WITHIN 5' OF BUILDING

CONSTRUCT (1")
BACKFLOW PREVENTOR

CONSTRUCT (1")
WATER METER

EXISTING FIRE HYDRANT

REGRADE TO ENSURE
POSITIVE DRAINAGE

CULLEN AVENUE

SYMBOL DENOTES REDBUD TREE
LOCATION OF PROPOSED TREES
TO HAVE MINIMUM HEIGHT OF 6 FEET

SYMBOL DENOTES BOX SHRUBS
LOCATION OF PROPOSED BUSHES
TO HAVE MAXIMUM HEIGHT OF 2-1/2 FEET

SYMBOL DENOTES AZALEAS BUSHES
LOCATION OF PROPOSED BUSHES
TO HAVE MAXIMUM HEIGHT OF 2-1/2 FEET

SYMBOL DENOTES CREPE MYRTLE TREE
LOCATION OF PROPOSED TREES
TO HAVE MINIMUM HEIGHT OF 6 FEET

HATCH DENOTES AREA TO BE
LANDSCAPED WITH GRASS
GROUND COVER, OR OTHER
LANSCAPED TREATMENT.
TOTAL PROPOSED LANSCAPE
AREA = 1,465 SF

14'

10' TYP

20' TYP

24'

64'

CONSTRUCT 5' SIDEWALK
(SEE TYPICAL DETAIL)

5' TYP

CONSTRUCT 54 LF
(12") HDPE PIPE W/ MES

CONSTRUCT ±13LF
24" STOP BAR

R-20'

R-20'

PROPOSED BUILDING
1,392 SF

29'

48'

17'

12'

47'

17'

PROPOSED STORMWATER

15'

REMOVE EXISTING
CULVERT & DRIVEWAY

REGRADE TO ENSURE
POSITIVE DRAINAGE

PROPOSED
GREASE TRAP

10' X 10' DUMPSTER PAD

6' X 16' CONCRETE PAD

PROPOSED
SEPTIC
TANK

PROPOSED
1000 SF
DRAIN-FIELD

EXISTING BUILDING
TO REMAIN

ELEC
METER

NOTE:

STORMWATER RUNOFF FROM
PROPOSED DEVELOPMENT SHALL
BE DIRECTED TO PROPOSED
DRAINAGE SWALE VIA SHEET FLOW

ZONING:
AGRICULTURAL

REQUIRED PARKING:
1 SPACE PER 3 SEATS = 35 SEATS

TOTAL REQUIRED HANDICAP = 1
TOTAL REQUIRED = 12

IMPERVIOUS AREA:
PAVEMENT: 6,517sf
BUILDING: 1,392 sf
SIDEWALK: 600 sf
CONCRETE: 196 sf
TOTAL: 8,705 sf

FLOOR AREA RATIO:

TOTAL BUILDING AREA = 1,392 SF
TOTAL SITE = 24,806 SF

1,392 / 24,806 = .06 / 6% FLOOR AREA RATIO

5-27-08

DATE	REVISION NOTES
1-8-08	MODIFIED FDOT DRIVEWAY

P.O. Box 187
130 West Howard Street
Live Oak FL, 32064
Phone: (386) 362-3678
Fax: (386) 362-6133

STRUCTURAL/CIVIL ENGINEERS

K2 DEVELOPMENT SUBWAY

SITE PLAN

PROJECT NUMBER
PF07-222

SHEET
3

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PROPOSED BUILDING
MFFE = 97.0

INV EL = 97.0

INV EL = 96.8

58 ACRES

ELEC METER

0 10 20 40

XX.X DENOTES EDGE OF PAVEMENT GRADES

XX.X DENOTES EDGE OF CONCRETE GRADES

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STRUCTURAL/CIVIL ENGINEERS

K2 DEVELOPMENT SUBWAY

GRADING PLAN

PROJECT NUMBER
PF07-222

SHEET
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5-27-08

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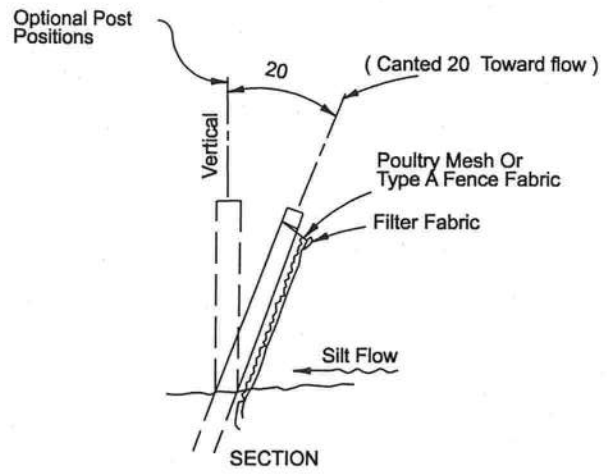
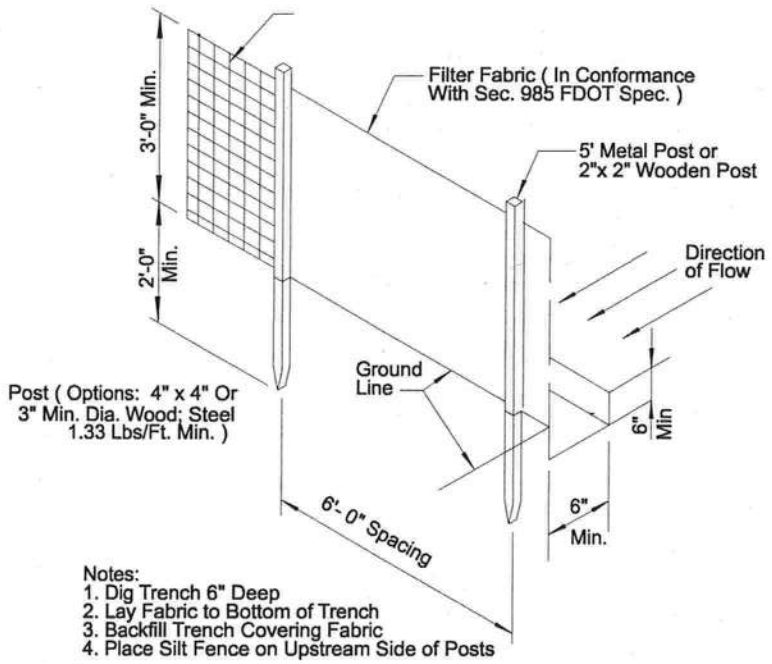
EROSION CONTROL NOTES

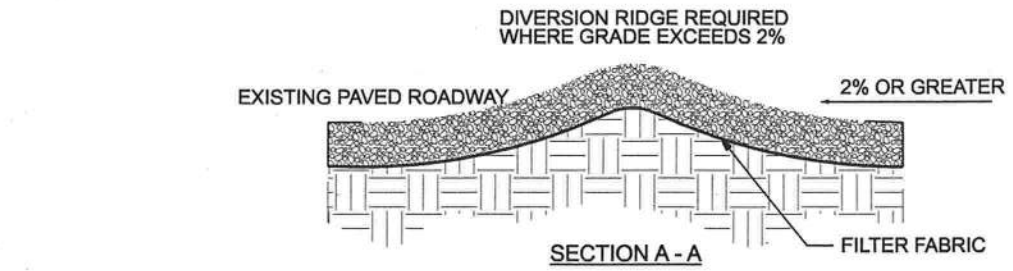
1. Contractor shall adhere to SRWMD and other governing authorities for erosion and sediment control regulations. Contractor shall use BMP's from "The Florida Development Manual".
2. Sediment and erosion control facilities, storm drainage facilities and detention basins shall be installed prior to any other construction.
3. Erosion control measures shall be inspected weekly and after each rainfall and replaced as necessary.
4. Sediment and erosion control measures shall not be removed until all construction is complete and until a permanent ground cover has been established.
5. All open drainage swales shall be grassed and riprap shall be placed as required to control erosion.
6. Silt fences shall be located on site to prevent sediment and erosion from leaving right-of-way limits.
7. Additional erosion control devices shall be used as required.
8. Silt fence shall be cleaned or replaced when silt builds up to within one foot of top of silt fence.
9. During construction and after construction is complete, all structures shall be cleaned of all debris and excess sediment.
10. All grades areas shall be stabilized immediately with a temporary fast-growing cover and/or mulch.
11. A pad of rubble riprap shall be placed at the bottom of all collection flumes and collection pipe outlets.
12. All disturbed areas not sodded shall be seeded with a mixture of long-term vegetation and quick-growing short-term vegetation for the following conditions. For the months from September through March, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of winter rye. For the months of April through August, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of millet.
13. Staked silt fences shall be placed near all box culvert extensions in accordance with FDOT Standard Index 102.
14. Disturbed areas shall be stabilized with sodding and grassing and mulching. All side slopes steeper than 3:1 shall be adequately protected from erosion through the use of hay bales or sodding.
15. All stabilization practices shall be initiated as soon as practicable in areas of the job where construction activities have temporarily or permanently stopped, but in no case shall the disturbed area be left unprotected for more than three (3) days.
16. If the proposed erosion control plan does not work, the contractor should use the BMP's in the Florida Erosion and Sediment Control Inspecor's manual to implement a plan that will work and meet actual field conditions.
17. All waste generated on the project shall be disposed of by the contractor in areas provided by contractor.
18. Loaded haul trucks shall be covered with tarps.
19. Excess dirt shall be removed daily.
20. Fertilizer shall be applied as specified in the plans and specifications.
21. This project shall comply with all water quality standards. Permit required from SRWMD has been obtained.
22. All pollution controls shall be maintained at all times.
23. Straw bales shall be placed to remove sediment. Straw bales shall be replaced after three (3) months or when sediment reaches one-half (1/2) the height of the bales.
24. Qualified personnel shall inspect the area used for storage of stockpiles, the silt fence and straw bales, the location where vehicles enter or exit the site, and the disturbed areas that have not been finally stabilized, at least once every seven (7) calendar days and within 24 hours of the end of a storm of 0.2 inches or greater.
25. Sites that have been finally stabilized with sod or grassing shall be inspected at least once every week.
26. Contractor is responsible for the construction and maintenance of all erosion and sedimentation controls during proposed construction.

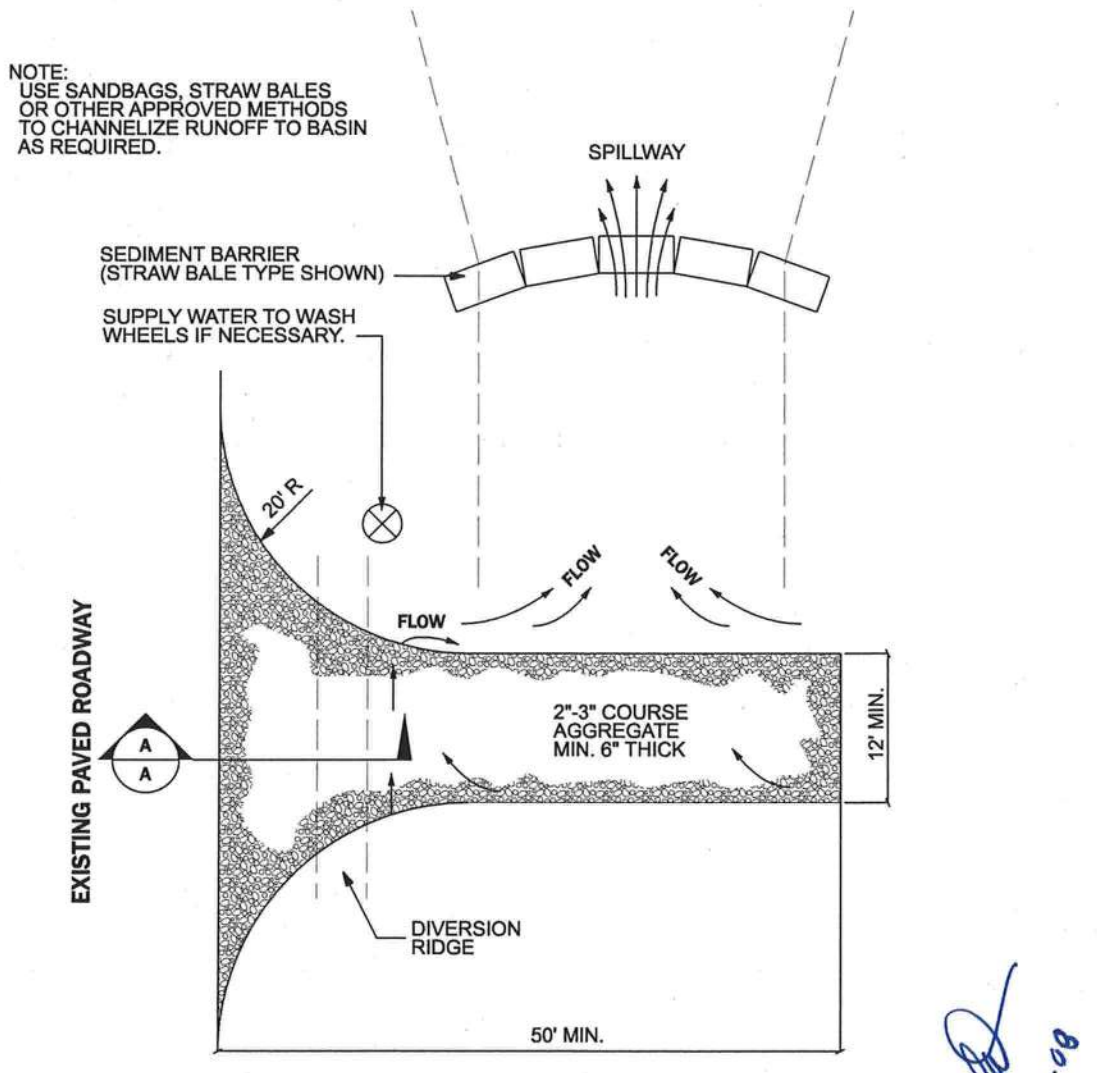




TYPE IV SILT FENCE

AS COMPARED TO TYPE III SILT FENCE, TYPE IV FENCE HAS GREATER STRENGTH AND HEIGHT WHICH REDUCES THE POSSIBILITY OF SEDIMENT AND WATER FROM OVERTOPPING THE FENCE. AS A RESULT, AVOID USING TYPE IV FENCE IN AREAS WHERE THE DETAINED WATER WOULD BACK INTO TRAVEL LANES OR OFF THE RIGHT OF WAY.





PLAN

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

NTS

NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS ONTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

5-27-08

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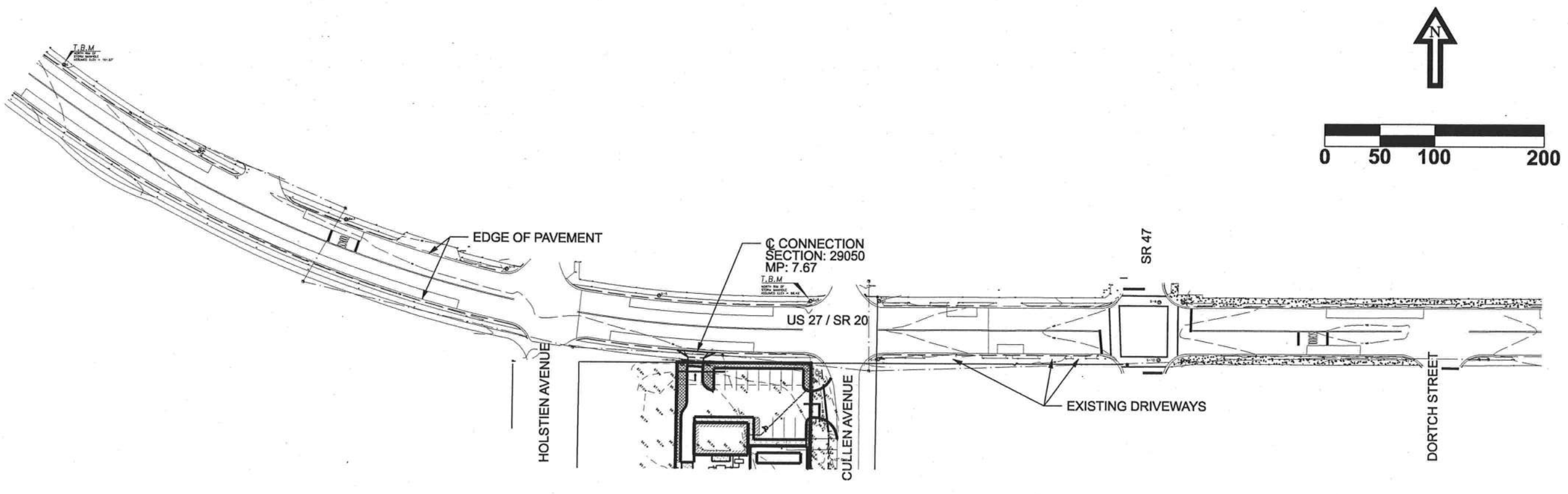
STRUCTURAL/CIVIL ENGINEERS

K2 DEVELOPMENT SUBWAY
EROSION CONTROL
NOTES & DETAILS

PROJECT NUMBER
PF07-222

SHEET
5



FDOT CONNECTION AND DRAINAGE NOTES

1. The driveway connection is to be constructed in accordance with the Florida Department of Transportation Standard Specifications for Road and Bridge Construction (Current Edition) and the Roadway and Traffic Design Standards (Current Edition).
2. The traffic signs and pavement markings shall conform to the requirements of the Manual on Uniform Traffic Control Devices (Current Edition) and the Florida Department of Transportation Roadway and Traffic Design Standards (Current Edition). According to State Indexes 17302 & 17346, all pavement markings pertaining to the driveway access permitted through FDOT shall be constructed with certified lead-free, thermoplastic material. This requirement shall include any driveway(s) "Special Pavement Markings" shown to the permitted access connection and shall include those markings lying both ON and OFF the State Right-of-Way.
3. All permitted pavement striping pertaining to this access permit shall require Certified Lead Free Thermoplastic Marking Materials as the final placement item. Temporary Traffic bearing paint shall be required to be in place 30 minutes before official sundown. Temporary Traffic Bearing Paints and Thermoplastic Marking Materials shall be Lead Free and shall meet/obtain FDOT minimum specifications for Night Reflectivity. Temporary RPM's shall be installed during both temporary and permanent striping phases.
4. Failure by the permittee and/or his/her contractor to have a certified striping crew on site before the start of paving can be reason to suspend the approved permit until such time as the permittee and/or his/her contractor corrects the situation to the satisfaction of the on-site State FDOT Permits Personnel/Inspector.
5. The existing asphalt paved shoulder shall be mechanically saw cut and removed as well as all pre-existing sub grade materials within the limits of the project improvements, work zone, or as may be called for under the state FDOT permit.
6. Maintenance of traffic shall be performed in accordance with the Florida Department of Transportation Roadway and Traffic Design Standard Indexes 600 & 625.
7. The contractor shall obtain three (3) density tests according to the FDOT Standard Specifications for Road and Bridge Construction (Current Edition). Lime rock shall be compacted to 98% of the maximum density as determined by AASHTOT 180. A copy of the tests shall be submitted to FDOT before starting any paving operations.
8. All areas disturbed within FDOT right-of-way shall be resodded with "Certified Coastal Bermuda Grass Sod." All sod shall be installed to FDOT satisfaction before paving may commence.
9. All FDOT right-of-way restoration, grass sod placement and/or seeding and straw mulch required under this approved state access permit shall be in place and have received two (2) waterings and also have received a passing inspection for permit compliance for this item before any type of asphalt paving or concrete driveways can commence upon state FDOT right-of-way property. Be aware that no paving or concrete pours can commence until all of the above restoration over said project.
10. All areas of the State right-of-way within the limits of construction with a proposed finish grade slope of 1:4 or steeper shall be completely covered with Certified Coastal Bermuda Grass or an FDOT approved alternative grass sod. This provision shall be met a minimum of 24 hours in advance of any planned paving or concrete pour that is approved under the FDOT access or drainage permit. Refer to the attached permit cover letter and/or approved site plan or plan notes on R/W restoration for additional restoration provisions and other sodding specifications.
11. All permitted and proposed work/construction upon State FDOT right-of-way shall Conform to the State of Florida's most current Roadway and Traffic Design Standards Manual, the State FDOT's Standard Specification for Road and Bridge Construction, the approved permit provisions, cover letter general, and Special permit provisions.
12. The permittee or legal representative shall contact the local State of Florida FDOT Maintenance Permits Office having jurisdiction over this approved permit. A minimum of 48 hours in advance of the planned activation of said access permit for the explicit purpose of setting up the mandatory pre-construction meeting with all parties involved in the construction of this project. Contact can be made by calling 386-961-7180 or 7193 or 7148 Tuesday through Friday, 7:00 A.M. to 5:00 P.M. Failure on the permittee or his general construction contractor's part to make advanced contact for a mutually agreed upon pre-construction meeting shall be reason for suspension of the approved FDOT Access Permit.
13. If drainage connection has been permitted and is required as a provision of the approved FDOT site plan and physical connection into an existing FDOT structure(s) is required: then the actual entry shall be made by smooth core method only, with no more than maximum of 0.500 of an inch overbore allowed. The permittee shall make advanced preparations to have the FDOT permit inspector on site at the time of commencement of entry to ensure a water tight seal is made to FDOT standards. Neither the permittee nor any representative of the permittee shall conduct this phase of the project without an FDOT inspector on site. All permitted and approved or required pavement markings shall be constructed with lead-free, thermoplastic materials in accordance with FDOT Index No. 17346 under special pavement markings.
14. All permitted aboveground signage shall conform to FDOT Index No. 11860 and 17302. Aboveground posted signs and sign bracket attachments shall be installed prior to the final driveway construction in accordance with FDOT Indexes 11860 and 17302.
15. Failure to abide by the attached general, special permit provisions, as well as the attached cover letter (a legal part of the permit) shall be reason to suspend any or all FDOT approved permitted activities until such time that the situation has been corrected to FDOT satisfaction.
16. No paving shall commence until all required density test have been delivered to the FDOT Lake City Maintenance, Access Permits Office and have met the minimum FDOT specifications.
17. Mill and resurface as required to provide smooth intersection of state road and proposed driveway connection.
18. Contractor shall coordinate with FDOT inspector on site to determine exact location of stop bar.

5.27.08

DATE	REVISION NOTES
1-8-08	MODIFIED FDOT DRIVEWAY

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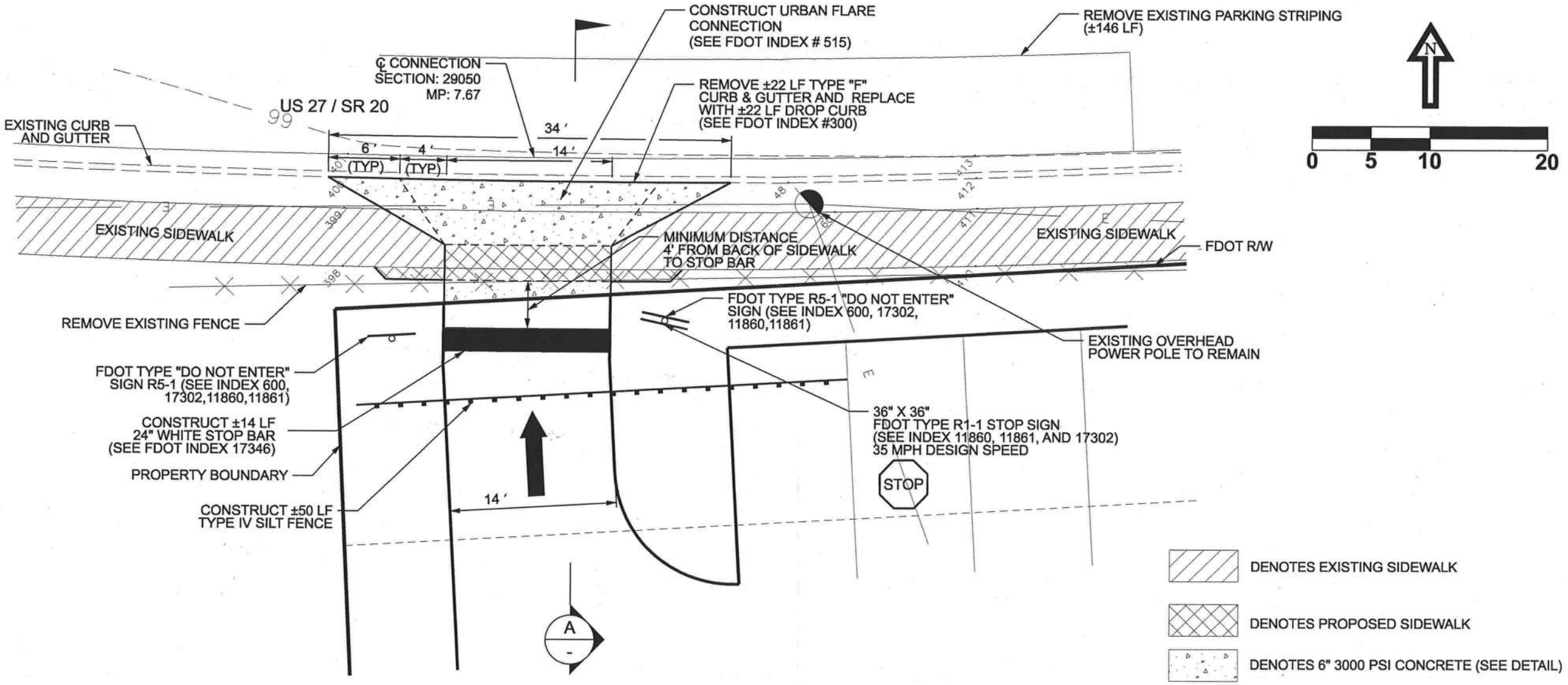
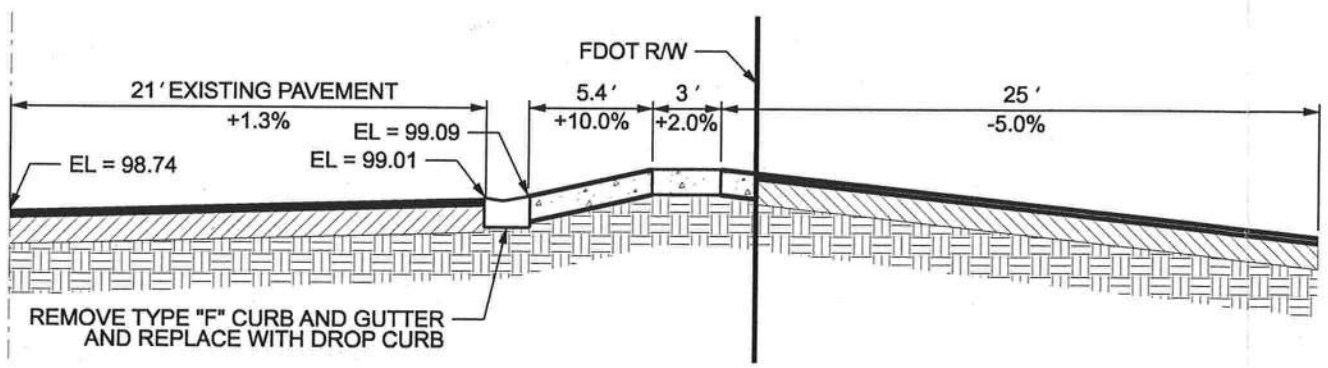
STRUCTURAL/CIVIL ENGINEERS

K2 DEVELOPMENT SUBWAY
FDOT DRIVEWAY
CONNECTION AND DETAILS

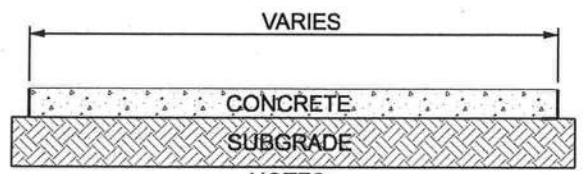
PROJECT NUMBER
PF07-222

SHEET
7





FDOT ACCESS CONNECTION PROFILE A
NTS



NOTES:
SUBGRADE SHALL BE COMPACTED TO 100% OF MAXIMUM DRY DENSITY AS ESTABLISHED BY ASTM T-99.
THIS TYPICAL SECTION IS FOR ALL ROADWAY CONSTRUCTION INSIDE FDOT RIGHTWAY

TYPICAL FDOT ACCESS ROAD SECTION
NTS

6" 3000 PSI CONCRETE
12" Subgrade
Design Speed = 25 mph

5-27-08

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STRUCTURAL/CIVIL ENGINEERS

K2 DEVELOPMENT SUBWAY
FDOT DRIVEWAY
CONNECTION AND DETAILS

PROJECT NUMBER
PF07-222

SHEET
8

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE Baya Dr
City Lake City Phone 752-1703

Site Location: Subdivision
Lot # Block# Permit # 27111
Address 268 SW Cullen Ave Ft White

Product used	Active Ingredient	% Concentration
☒ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Main Body	1470	158	75

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

6/26/08 Date 8:47 Time NJ Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©