

ROUTING Eugene Henry

for your info/files + distribution.

MEMORANDUM

DATE: September 24, 2013

TO: Donna Budke, Public Works

FROM: *K. Richards* Kimberly Richards, Associate Director, BOCC Records/VAB

SUBJECT: Annual Recertification Form AW-214-3 with Insurance Services Office, Inc. / FEMA – Participation with the National Flood Insurance Programs Community Rating System

Attached is an executed original(s) of subject agreement, Document 13-0847, approved by the Board on September 18, 2013.

We are providing the original(s) to you for further handling.

md

Attachments

cc: Board files (orig.)
Insurance Services Office, Inc. / FEMA via Public Works
Eugene Henry, Public Works
Merrie Allen, BOCC Finance

COMMUNITY RATING SYSTEM ANNUAL RECERTIFICATION

OMB No. 1660-0022
Expires: September 30, 2013

Section 3. Community Activities

Your community has been verified as receiving CRS credit for the following activities. If your community is still implementing these activities the CRS Coordinator needs to put his or her initials in the blank and attach the appropriate items. The numbers refer to the activity number which is found in the CRS Coordinator's Manual.

EPA 310 We are maintaining Elevation Certificates on all new and substantially improved buildings in our Special Flood Hazard Area.

EPA 310 We have issued 409 (insert number) permits for new construction and substantial improvements in the Special Flood Hazard Area in the last year.

EPA 310 **Attached** are 5 Elevation Certificates for new or substantially improved structures that have been completed in the last year.

EPA 310 We continue to make copies of Elevation Certificates on newer properties available at our present office location. Initial here if your office address has changed in the past year. Please provide new address with this form.

EPA 310 We continue to maintain storage of our records off site.

EPA 320 We are providing Flood Insurance Rate Map information and information on the flood insurance purchase requirement to inquirers. Initial here if the office address or the manner in which requests may be submitted has changed in the last year. Please provide the new office address or manner of submittal with this form.

EPA 320 **Attached** is a copy of the document that told lenders, insurance agents, and real estate offices about this service this year, including informing insurance agents about the availability of elevation certificates. Initial here if the information is included in your annual outreach project to the community or is part of your community's outreach projects strategy. Mark the attachment to Activity 330 to show where this service is publicized.

EPA 320 **Attached** is a copy of one page of the log, a letter, or other record that we kept on this service this year.

EPA 320 We are continuing to keep our FIRM updated and maintain old copies of our FIRM.

EPA 330 **Attached** is a copy of this year's annual outreach project to the community.

EPA 330 **Attached** is a description of this year's annual outreach project to floodplain residents.

EPA 330 **Attached** is a copy of the annual evaluation of our public information program strategy or a completed AW-330-3

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- EPI 350 Our public library and website continues to maintain flood protection materials.
- EPI 350 We continue to conduct an annual review and update of the information and links in our flood protection website.
- EPI 360 We continue to provide flood protection assistance to inquirers.
- EPI 360 **Attached** is a copy of the document that told others about this service this year. [EPI] Initial here if the information is included in your annual outreach project to the community or to the flood plain properties, or is a part of our community's outreach projects strategy. Mark the attachment to Activity 330 to show where this service is publicized.
- EPI 360 **Attached** is a copy of one page of the log, a letter, or other record that we kept on this service this year.
- EPI 410 We continue to use our additional regulatory flood data before a new development can proceed in our floodplain.
- EPI 420 We continue to preserve our open space in the floodplain.
- EPI 430 We continue to enforce the floodplain management provisions of our zoning, subdivision and building code ordinances for which we are receiving credit. [EPI] Initial here if you have amended your floodplain regulations. Attach a copy of the amendment.
- EPI 430 We continue to keep track of building improvements and repairs. Before a new permit is issued, we check the permit record and count the projects' dollar value cumulatively to determine if a nonconforming building should be brought up to our standards for new construction.
- EPI 430 We continue to enforce our zoning ordinance in the credited low-density zones and/or areas of our community receiving credit for land development criteria. [] Initial here if you have changed the allowable density of development in any of your zoning districts, rezoned parcels in the floodplain or changed your land development criteria. Attach a copy of the amendment.
- EPI 430 We continue to enforce our current building code. [EPI] Initial here if you have amended your building code. Attach a copy of the amendment.
- EPI 430 We continue to employ those staff credited for attaining their CFM, and those who have attended the credited training courses. [] Initial here if your staff has changed and attach a statement as to the staffing changes.
- EPI 440 We continue to use and update our flood data maintenance system on an annual basis as needed.

COMMUNITY RATING SYSTEM ANNUAL RECERTIFICATION

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- EPD 440 We continue to maintain our system of Benchmarks. [] Initial here if any Benchmarks were found to be missing or inaccurate. Attach a copy of the correct elevation or a description of the missing Benchmark.
- EPD 450 We continue to enforce the stormwater management provisions of our zoning, subdivision and building code ordinances for new developments in the watershed. [] Initial here if you have amended your stormwater management regulations. Attach a copy of the amendment.
- EPD 450 We continue to enforce the requirement that all new buildings outside the SFHA must be elevated above the street or otherwise protected from drainage problems.
- EPD 450 We continue to inspect and maintain the public stormwater facilities for which credit has been verified.
- EPD 502 Attached is a copy of this year's notice on property protection that we sent to our repetitive loss areas.
- EPD 502 We currently have 215 repetitive loss properties and send our notice to 21,587 properties in the repetitive loss areas.
- EPD 510 **Attached** is a copy of our floodplain management plan's annual progress report and/or a copy of the annual progress report on the recommendations of the area analyses.
- EPD 510 We have provided copies of this progress report to our governing board, local media, and the state NFIP Coordinating office.
- EPD 520 We continue to maintain as open space the lots where buildings were acquired or relocated out of the floodplain. [] Initial here if there have been any changes (additions or deletions) to the parcels credited as open space. Attach a description of those changes.
- EPD 530 We continue to encourage property owners interested in retrofitting their buildings to protect them from flood damage. [] Initial here if there have been any changes (additions or deletions) to the buildings credited as being flood protected. Attach a description of those changes.
- EPD 540 We continue to implement our drainage system maintenance program.
- EPD 540 We continue to implement the sections of our Capital Improvements Program which pertain to the drainage system maintenance.
- EPD 540 **Attached** is a copy of a typical inspection report and a copy of the record that shows that any needed maintenance was performed.
- EPD 540 We continue to enforce our stream dumping regulations.

COMMUNITY RATING SYSTEM ANNUAL RECERTIFICATION

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- EPA 540 **Attached** is a copy of this year's outreach project that explained our stream dumping regulations. [EPA] Initial here if the information is included in your annual outreach project to the community or is part of your community's outreach projects strategy. Mark the attachment to Activity 330 to show where your stream dumping regulations are explained. [] Initial here if you publicize the regulations with "no dumping" signs instead of through an outreach project.
- EPA 610 We have maintained and tested our flood threat recognition system.
- EPA 610 **Attached** is a report evaluating how our flood warning program worked during the flood(s) we had this year. [EPA] Initial here if your community did not have a flood that qualifies for evaluating the program (i.e., a flood that damaged more than 10 buildings, caused more than \$50,000 in property damage, or caused the death of one or more persons.)
- EPA 610 We tested our warning dissemination equipment and procedures this year.
- EPA 610 **Attached** is a copy of this year's outreach document that told people about the flood warnings and safety measures. [EPA] Initial here if the information is included in your annual outreach project to the community or to flood plain properties, or is a part of your community's outreach projects strategy. Mark the attachment to Activity 330 to show where the flood warnings and safety measures are explained.
- EPA 610 We conducted at least one exercise of our flood response plan this year.
- EPA 610 We have completed our annual update of the names and telephone numbers of the operators of all critical facilities affected by flooding.

NFIP Number: 120112



Agenda Item Cover Sheet

Agenda Item N^o A-62

Meeting Date September 18, 2013

Consent Section

Regular Section

Public Hearing

Subject:

Authorize the Chairman to sign the 2013 National Flood Insurance Program Community Rating System Annual Recertification.

Department Name: Public Works

Contact Person: Michael J. Williams

Contact Phone: 307-1851

Sign-Off Approvals:

Lucia Garsys

09/09/2013
Date

Assistant County Administrator

Michael Williams

09/04/2013
Date

Department Director

Tom Fesler

09/05/2013
Date

Management and Budget - Approved as to Financial Impact Accuracy

Cameron Clark

09/04/2013
Date

County Attorney - Approved as to Legal Sufficiency

Staff's Recommended Board Motion:

Authorize the Chairman to sign the 2013 National Flood Insurance Program Community Rating System Annual Recertification, which certifies that Hillsborough County continues to implement the National Flood Insurance Program upon which Hillsborough County's community rating and Federal flood insurance discounts are based.

The execution and transmittal of this document will not have a fiscal impact upon the County's budget.

Financial Impact Statement:

The execution and transmittal of this document will not have a fiscal impact upon the County's budget.

Background:

The National Flood Insurance Program's (NFIP) Community Rating System (CRS) program is an incentive program that encourages communities to engage in "community activities" which exceed the minimum NFIP requirements. A comprehensive list of the community activities is set forth in Section 3 of the attached CRS Annual Recertification form. Staff has reviewed and verified that the County continues to implement activities as agreed upon with the Federal Emergency Management Agency (Attachment 2 - Completeness Review Memorandum).

13-0847 (10216)

Communities are ranked in classes ranging from Class 1 (highest class) to Class 10 (lowest class) based upon the total number of points accrued and other CRS requirements. Flood insurance premium rates within each participating community are discounted based upon the ranking achieved. The discounts reflect the reduced flood risk to property owners as due to the community activities.

Hillsborough County has been a participant in the CRS since 1992 and is presently a Class 5 Community. The Class 5 rating places the County among the top 3% of all participating communities. Flood insurance policy holders within the County receive a premium discount of 25% for all required policies and 10% for optional policies.

The CRS program requires the County to execute and transmit a CRS Annual Recertification form each year in order to assure the Federal Emergency Management Association that the County continues to carry out the community activities upon which the County's community rating is based. The attached form is due on or before September 30, 2013.

List Attachments:

(1) CRS Annual Recertification form AW 214 Form; (2) Completeness Review Memorandum

BOARD OF COUNTY COMMISSIONERS

Kevin Beckner
Victor D. Crist
Ken Hagan
Al Higginbotham
Lesley "Les" Miller, Jr.
Sandra L. Murman
Mark Sharpe



Office of the County Administrator
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Helene Marks

CHIEF FINANCIAL ADMINISTRATOR
Bonnie M. Wise

DEPUTY COUNTY ADMINISTRATORS
Lucia E. Garsys
Sharon D. Subadan

August 30, 2013

To: Mike Williams, PE, Director, Engineering and Environmental Services

From:  Eugene Henry, Manager, Hazard Mitigation Program
Engineering and Environmental Services

Subject: Completeness Review -- Community Rating System Annual Recertification

In working and speaking with agencies implementing activities associated with the County's participation with the National Flood Insurance Program Community Rating System (CRS), it is to the best of my knowledge and belief that County agencies have performed necessary activities to sustain the level of discounts that amount to greater than \$5 million to the community through the CRS program as described within the original application and subsequent modifications. Additionally, in speaking with Business and Support Services, Safety and Risk Management, the County maintains Federal flood-insurance for required County-owned insurable buildings within the Special Flood Hazard Area. The agency is also reviewing the potential benefit for having Federal flood-insurance coverage for other County insurable facilities.

Annual reports and examples of projects are being compiled and will be further shared with the public through notices and through the Hillsborough County website. The CRS form AW 214 attests to agencies meeting requirements of the program, which some activities are in the final stages of completion for this fiscal year and are anticipated to be fully complete by October 1, 2013.

The County was encouraged to enter into this program by the Federal Emergency Management Agency due to Federal flood-insurance rate discounts to the community. This encouragement has led to the County performing "community activities", which exceed requirements associated with the National Flood Insurance Program (NFIP) and that have assisted in a more flood-safe community. A comprehensive list of the County's activities is set forth in Section 3 of the CRS Annual Recertification form, AW 214.

Hillsborough County has been a participant in the CRS since 1992 and is presently a Class 5 Community. The Class 5 rating places the County among the top 3% of all participating communities. Flood insurance policy holders within the County receive a premium discount of 25% for all required policies and 10% for optional policies.

Activity 310 – Digitally and Original Elevation Certificates

The County continues to maintain Elevation Certificates on all new and substantially improved buildings within the Special Flood and Coastal High Hazard Area (SFHA and CHHA respectfully). Elevation Certificates for structures in the Special Flood Hazard Area at the time of permitting created from 1980 through the early 1990's are available on microfilm on the 19th floor of the County Center in downtown Tampa. Those created in the mid 1990's to present are available at the County's principal offices located downtown Tampa as well. Currently, County permitting functions are in two offices with the main office located at 601 East Kennedy Boulevard, Tampa, Florida and the satellite office located at the South County's Service Center, Ruskin, Florida. Management and verification of elevation certificates are a part of daily activities and is organized through the Building Services Section of the Development Services Department of the Infrastructure and Development Services Team.

A summary follows this page that illustrates activity associated with permits issued grouped by permit type for permits that have been issued with a final inspection within flood-hazard areas (and certificate of occupancy where applicable). Respective permit records are available for the public to view and for contractors to manage and monitor their respective construction projects.

A summary of permit activity within the SFHA and CHHA is referenced below:

- October 1, 2012 through Present time 409 permits

Additionally, permit records associated with the summary are available through a digital file. The review of data is time consuming with respect to a review of all records; however, information requested for a single address (e.g. request for an elevation certificate) by a resident or business is easily provided.

ELEVATION CERTIFICATE

IMPORTANT: Follow the instructions on pages 1-9.

SFR64522

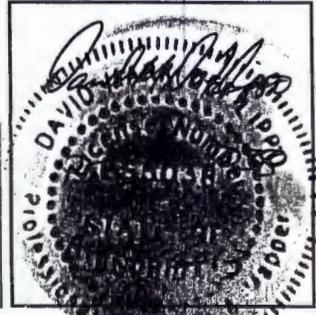
OMB No. 1660-0008
 Expiration Date: July 31, 2015

SECTION A - PROPERTY INFORMATION		FOR INSURANCE COMPANY USE
A1. Building Owner's Name CENTEX TAMPA		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 337 LAUREL FALLS DR.		Company NAIC Number:
City APOLLO BEACH	State FL	ZIP Code 33572
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) LOT 18, BLOCK 39 SOUTHSORE FALLS-PHASE 3B PARTIAL REPLAT		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL		
A5. Latitude/Longitude: Lat. 27° 45' 39.7" Long. -82° 24' 35.9" Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983		
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number 1A		
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:
a) Square footage of crawlspace or enclosure(s) <u>0</u> sq ft		a) Square footage of attached garage <u>406</u> sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>0</u>		b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>0</u>
c) Total net area of flood openings in A8.b <u>0</u> sq in		c) Total net area of flood openings in A9.b <u>0</u> sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number HILLSBOROUGH UNINCORPORATED 120112			B2. County Name HILLSBOROUGH		B3. State FLORIDA
B4. Map/Panel Number 12057C0493	B5. Suffix H	B6. FIRM Index Date 08/28/2008	B7. FIRM Panel Effective/Revised Date 08/28/2008	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 10'
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ / <u>n/a</u> / _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)	
C1. Building elevations are based on: <input type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input checked="" type="checkbox"/> Finished Construction *A new Elevation Certificate will be required when construction of the building is complete.	
C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: <u>SITE BM</u> Vertical Datum: <u>NAVD1988</u>	
Indicate elevation datum used for the elevations in items a) through h) below. <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____ Datum used for building elevations must be the same as that used for the BFE.	
Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor) <u>11 . 87</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor <u>N/A</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only) <u>N/A</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab) <u>11 . 38</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) <u>11 . 90</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG) <u>10 . 60</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG) <u>11 . 60</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support <u>N/A</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION			
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.			
<input checked="" type="checkbox"/> Check here if comments are provided on back of form.		Were latitude and longitude in Section A provided by a licensed land surveyor? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Check here if attachments.			
Certifier's Name DAVID M DeFILIPPO		License Number 5038	
Title PROFESSIONAL SURVEYOR & MAPPER		Company Name AMERICAN SURVEYING & MAPPING, INC.	
Address 3191 MAGUIRE BLVD, SUITE 200		City ORLANDO	State FL
Signature <i>David M DeFilippo</i>		ZIP Code 32803	Telephone (407) 426-7979
Date Aug 1, 2013			



ELEVATION CERTIFICATE, page 2

IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 337 LAUREL FALLS DR.	Policy Number:
City APOLLO BEACH	State FL
	ZIP Code 33572
Company NAIC Number:	

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments Surveyor is only responsible for Sections A - D. Item B1: Community name & number is based on FIRM. Item C2.e is an A/C unit. Sod is not installed yet. This document is not valid if photographs are removed or omitted.
REVISED: 8/1/13 - A/C Pad revised.

David M. De Filippo
Signature

Aug 1, 2013
Date

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ . _____ feet meters above or below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ . _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ . _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ . _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ . _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner or Owner's Authorized Representative's Name _____

Address	City	State	ZIP Code
Signature	Date	Telephone	

Comments _____

Check here if attachments.

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8-G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
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G7. This permit has been issued for: New Construction Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _____ . _____ feet meters Datum _____

G9. BFE or (in Zone AO) depth of flooding at the building site: _____ . _____ feet meters Datum _____

G10. Community's design flood elevation: _____ . _____ feet meters Datum _____

Local Official's Name	Title
Community Name	Telephone
Signature	Date

Comments _____

Check here if attachments.

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.		FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 337 LAUREL FALLS DR.		Policy Number:
City APOLLO BEACH	State FL	ZIP Code 33572
		Company NAIC Number:

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

Front Picture(s)



IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (Including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 337 LAUREL FALLS DR.			Policy Number:
City APOLLO BEACH	State FL	ZIP Code 33572	Company NAIC Number:

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

Rear Picture(s)



ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008
 Expiration Date: July 31, 2015

SECTION A - PROPERTY INFORMATION

FOR INSURANCE COMPANY USE

A1. Building Owner's Name **LENNAR HOMES**

3FR-64565

Policy Number

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
13150 ROYAL PINES AVE

Company NAIC Number:

City **RIVERVIEW**

State **FL**

ZIP Code **33579**

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
LOT 31, TRIPLE CREEK PHASE 1 VILLAGE D

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) **RESIDENTIAL**

A5. Latitude/Longitude: Lat. **27°47'55.10"N** Long. **82°17'01.10"W**

Horizontal Datum: NAD 1927 NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number **1A**

A8. For a building with a crawlspace or enclosure(s):

A9. For a building with an attached garage:

- a) Square footage of crawlspace or enclosure(s) **N/A** sq ft
- b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade **N/A**
- c) Total net area of flood openings in A8.b **N/A** sq in
- d) Engineered flood openings? Yes No

- a) Square footage of attached garage **711** sq ft
- b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade **0**
- c) Total net area of flood openings in A9.b **0** sq in
- d) Engineered flood openings? Yes No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number HILLSBOROUGH 120112		B2. County Name HILLSBOROUGH		B3. State FLORIDA	
B4. Map/Panel Number 12057C0520	B5. Suffix H	B6. FIRM Index Date 8/28/08	B7. FIRM Panel Effective/Revised Date 8/28/08	B8. Flood Zone(s) X,A	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 86.37'

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.

- FIS Profile FIRM Community Determined Other/Source: _____

B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other/Source: _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Yes No
 Designation Date: **N/A** CBRS OPA

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: **AG8776**

Vertical Datum: **NAVD 1988**

Indicate elevation datum used for the elevations in items a) through h) below. NGVD 1929 NAVD 1988 Other/Source: _____

Datum used for building elevations must be the same as that used for the BFE.

Check the measurement used.

- a) Top of bottom floor (including basement, crawlspace, or enclosure floor) **89.55** feet meters
- b) Top of the next higher floor **100.22** feet meters
- c) Bottom of the lowest horizontal structural member (V Zones only) **N/A** feet meters
- d) Attached garage (top of slab) **88.99** feet meters
- e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) **89.35** feet meters
- f) Lowest adjacent (finished) grade next to building (LAG) **88.7** feet meters
- g) Highest adjacent (finished) grade next to building (HAG) **89.2** feet meters
- h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support **N/A** feet meters

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

- Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No
- Check here if attachments.

Certifier's Name **JOHN R BEACH**

License Number **2984**

Title **P.L.S.**

Company Name **JOHN R. BEACH & ASSOCIATES, INC.**

Address **911 ST. PETERSBURG DR W**

City **OLDSMAR**

State **FL** ZIP Code **34677**

Signature *John R Beach*

Date **7/11/2013**

Telephone **813-854-1276**

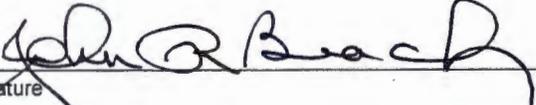


IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 13150 ROYAL PINES AVE	Policy Number:
City RIVERVIEW State FL ZIP Code 33579	Company NAIC Number:

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments C2(e) = A/C ELEV

Signature 

Date 7/11/2013

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
 - a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
 - b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name _____

Address _____ City _____ State _____ ZIP Code _____

Signature _____ Date _____ Telephone _____

Comments _____

Check here if attachments.

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8-G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4-G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ feet meters Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ feet meters Datum _____

Local Official's Name _____ Title _____

Community Name _____ Telephone _____

Signature _____ Date _____

Comments _____

Check here if attachments.

Building Photographs

See Instructions for Item A6.

For Insurance Company Use:

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.

13150 ROYAL PINES AVE

Policy Number

City State Zip

RIVERVIEW, FL 33579

Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page, following.

ALL PICTURES TAKEN ON 7/09/2013

LOT 31, FRONT



LOT 31, REAR



LOT 31, LEFT SIDE



LOT 31, RIGHT SIDE



ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008
 Expiration Date: July 31, 2015 ✓

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name GL HOMES		FOR INSURANCE COMPANY USE	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 15826 AMBER FALLS DR		Policy Number:	
City WIMAUMA	State FL	Company NAIC Number:	
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) LOT 76, VALENCIA LAKES TRACT H PHASE 1		SFR 63100	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>RESIDENTIAL</u>			
A5. Latitude/Longitude: Lat. <u>27°44'15.62"N</u> Long. <u>82°19'14.21"W</u>		Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983	
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.			
A7. Building Diagram Number <u>1A</u>			
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:	
a) Square footage of crawlspace or enclosure(s) <u>N/A</u> sq ft		a) Square footage of attached garage <u>395</u> sq ft	
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>N/A</u>		b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>0</u>	
c) Total net area of flood openings in A8.b <u>N/A</u> sq in		c) Total net area of flood openings in A9.b <u>0</u> sq in	
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number HILLSBOROUGH 120112		B2. County Name HILLSBOROUGH		B3. State FLORIDA	
B4. Map/Panel Number 12057C0680	B5. Suffix H	B6. FIRM Index Date 8/28/08	B7. FIRM Panel Effective/Revised Date 8/28/08	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 67.1'
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Designation Date: <u>N/A</u> <input type="checkbox"/> CBRS <input type="checkbox"/> OPA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction
 *A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.
 Benchmark Utilized: VC254 Vertical Datum: NAVD 1988
 Indicate elevation datum used for the elevations in items a) through h) below. NGVD 1929 NAVD 1988 Other/Source: _____
 Datum used for building elevations must be the same as that used for the BFE.

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	<u>71.13</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
b) Top of the next higher floor	<u>N/A</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>N/A</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
d) Attached garage (top of slab)	<u>70.73</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	<u>71.55</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<u>70.2</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<u>70.4</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<u>N/A</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No
 Check here if attachments.

Certifier's Name JOHN R BEACH	License Number 2984
Title P.L.S.	Company Name JOHN R. BEACH & ASSOCIATES, INC.
Address 911 ST. PETERSBURG DR W	City OLDSMAR State FL ZIP Code 34677
Signature <i>John R Beach</i>	Date 8/7/2013 Telephone 813-854-1276



SCANNED

IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 15826 AMBER FALLS DR	Policy Number:
City WIMAUMA State FL ZIP Code 33598	Company NAIC Number:

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments C2(e) = A/C ELEV

Signature <i>John R Beach</i>	Date 8/7/2013
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SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
 - a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
 - b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8–9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name			
Address	City	State	ZIP Code
Signature	Date	Telephone	
Comments			
<input type="checkbox"/> Check here if attachments.			

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ feet meters Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ feet meters Datum _____

Local Official's Name	Title
Community Name	Telephone
Signature	Date
Comments	
<input type="checkbox"/> Check here if attachments.	

Building Photographs

See Instructions for Item A6.

SFR63100

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.

5111 INDIAN SHORE PL

For Insurance Company Use:

Policy Number

City State Zip

WIMAUMA, FL 33598

Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page, following.

ALL PICTURES TAKEN ON 8/5/2013

LOT 84, FRONT



LOT 84, REAR



LOT 84, RIGHT



LOT 84, LEFT



SFK64051

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION			For Insurance Company Use:	
A1. Building Owner's Name <u>Ashton Tampa Residential, LLC</u>			Policy Number	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>11325 Quiet Forest Dr.</u>			Company NAIC Number	
City <u>Tampa</u>	State <u>FL</u>	ZIP Code <u>33635</u>		
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>Lot 27 Champions Forest (Plat Book 120 Pages 105-115)</u>				
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>				
A5. Latitude/Longitude: Lat. <u>N 28° 01' 16.1"</u> Long. <u>W 82° 36' 48.0"</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983				
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.				
A7. Building Diagram Number <u>1A</u>				
A8. For a building with a crawlspace or enclosure(s):			A9. For a building with an attached garage:	
a) Square footage of crawlspace or enclosure(s) <u>N/A</u> sq ft			a) Square footage of attached garage <u>358</u> sq ft	
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>N/A</u>			b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>0</u>	
c) Total net area of flood openings in A8.b <u>N/A</u> sq in			c) Total net area of flood openings in A9.b <u>0</u> sq in	
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number <u>Hillsborough County 120112</u>		B2. County Name <u>Hillsborough</u>		B3. State <u>Florida</u>	
B4. Map/Panel Number <u>12057C0188</u>	B5. Suffix <u>H</u>	B6. FIRM Index Date <u>8/28/08</u>	B7. FIRM Panel Effective/Revised Date <u>8/28/08</u>	B8. Flood Zone(s) <u>AE</u>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <u>9</u>
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date <u>N/A</u> <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)	
C1. Building elevations are based on: <input type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input checked="" type="checkbox"/> Finished Construction *A new Elevation Certificate will be required when construction of the building is complete.	
C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. Use the same datum as the BFE. Benchmark Utilized <u>FN&D on CI at Lot 27& 28 elev = 8.37'</u> Vertical Datum <u>NAVD 1988</u> Conversion/Comments <u>N/A</u>	
Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor) <u>10.2</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)	b) Top of the next higher floor <u>21.8</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) <u>N/A</u> <input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)	d) Attached garage (top of slab) <u>9.7</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) <u>10.0</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)	f) Lowest adjacent (finished) grade next to building (LAG) <u>9.5</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) <u>9.8</u> <input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)	h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support <u>N/A</u> <input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION				
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.				
<input checked="" type="checkbox"/> Check here if comments are provided on back of form.		Were latitude and longitude in Section A provided by a licensed land surveyor? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Certifier's Name <u>Daniel Joseph Sullivan</u>	License Number <u>5640</u>			
Title <u>Florida Registered Surveyor</u>	Company Name <u>Landmark Engineering & Surveying Corporation</u>			
Address <u>8515 Palm River Road</u>	City <u>Tampa</u>	State <u>FL</u>		ZIP Code <u>33619</u>
Signature <u>Daniel Joseph Sullivan</u>	Date <u>07/11/13</u>	Telephone <u>813-621-7841</u>		

SCANNED

IMPORTANT: In these spaces, copy the corresponding information from Section A.			For Insurance Company Use;
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 11325 Quiet Forest Dr.			Policy Number *
City Tampa	State FL	ZIP Code 33635	Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments Not valid without the signature and original seal of a Florida Registered Surveyor and Mapper. Date of Field Work: 07-10-13.

Latitude and Longitude obtained with a hand held GPS device. The equipment in C2e is the air conditioner, located outside the structure.

Signature *Paul Paul Duke* Date 07/11/13 Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
- a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
- b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge.*

Property Owner's or Owner's Authorized Representative's Name _____

Address _____ City _____ State _____ ZIP Code _____

Signature _____ Date _____ Telephone _____

Comments _____

Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8 and G9.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building _____ feet meters (PR) Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site _____ feet meters (PR) Datum _____
- G10. Community's design flood elevation _____ feet meters (PR) Datum _____

Local Official's Name _____ Title _____

Community Name _____ Telephone _____

Signature _____ Date _____

Comments _____

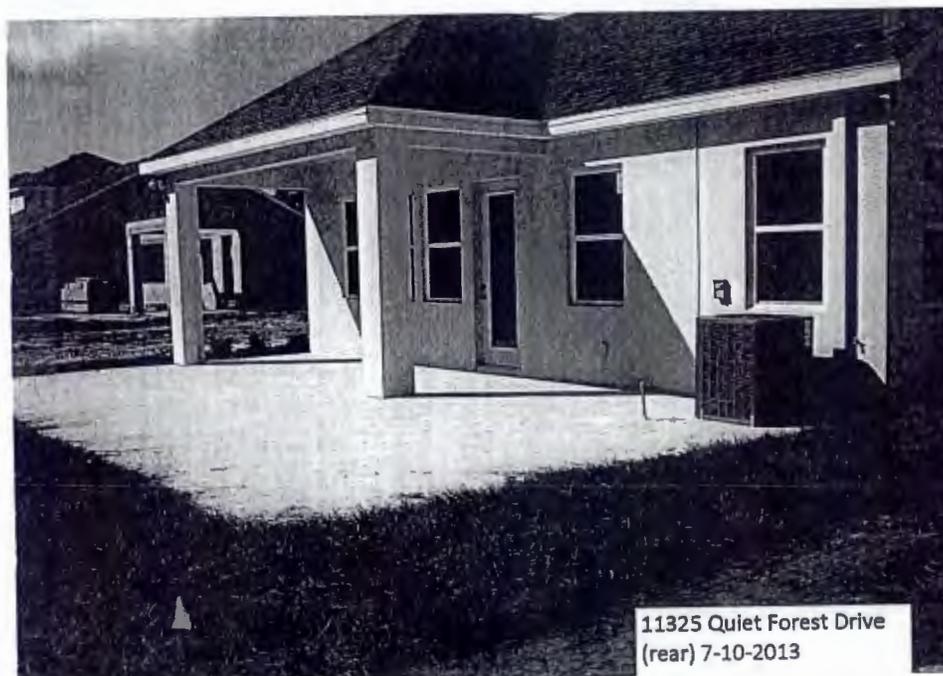
Check here if attachments

Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 11325 Quiet Forest Dr.			For Insurance Company Use: Policy Number
City Tampa	State FL	ZIP Code 33635	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page on the reverse.

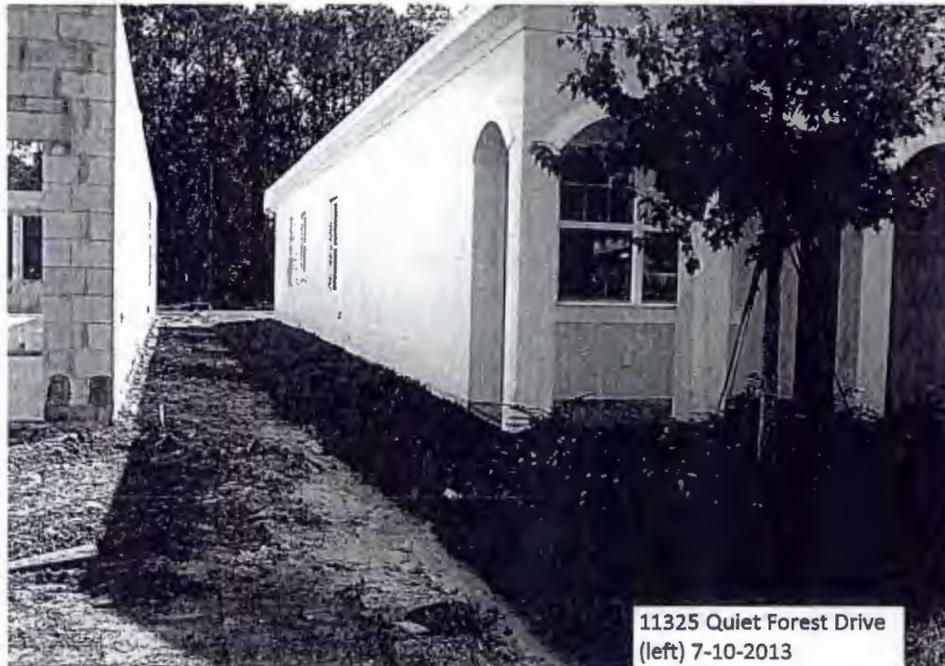
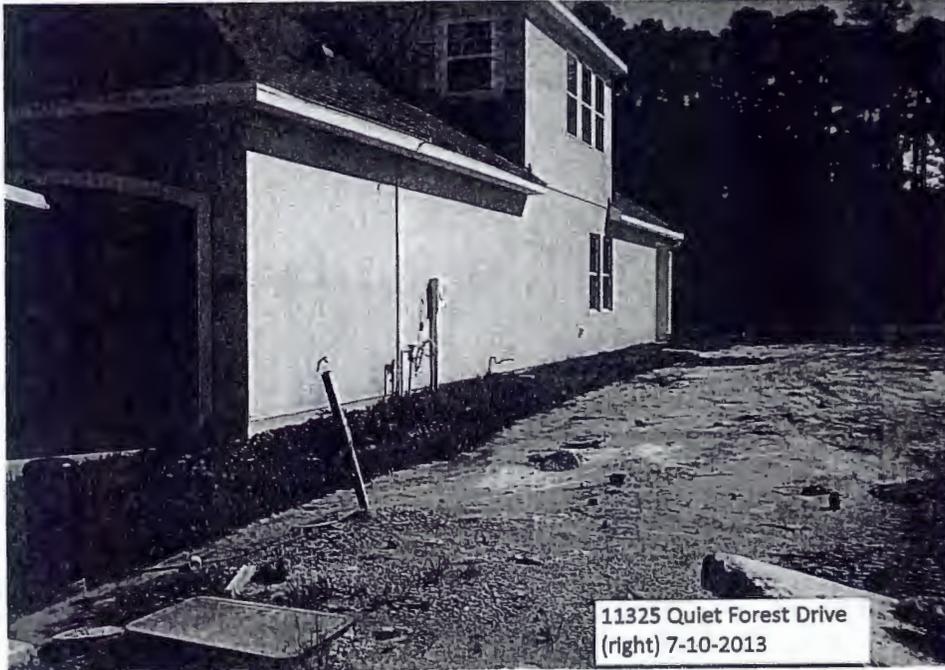


Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 11325 Quiet Forest Dr.			For Insurance Company Use: Policy Number
City Tampa	State FL	ZIP Code 33635	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View."



ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008
 Expiration Date: July 31, 2015

SECTION A - PROPERTY INFORMATION

FOR INSURANCE COMPANY USE

A1. Building Owner's Name GL HOMES	Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 15904 AMBER FALLS DR	Company NAIC Number
City WIMAUMA State FL ZIP Code 33598	

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
 LOT 74, VALENCIA LAKES TRACT H PHASE 1 SFR 64452

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) RESIDENTIAL

A5. Latitude/Longitude: Lat. 27°44'15.62"N Long. 82°19'14.21"W Horizontal Datum: NAD 1927 NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number 1A

A8. For a building with a crawlspace or enclosure(s):

a) Square footage of crawlspace or enclosure(s)	<u>N/A</u> sq ft
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade	<u>N/A</u>
c) Total net area of flood openings in A8.b	<u>N/A</u> sq in
d) Engineered flood openings?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

A9. For a building with an attached garage:

a) Square footage of attached garage	<u>410</u> sq ft
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade	<u>0</u>
c) Total net area of flood openings in A9.b	<u>0</u> sq in
d) Engineered flood openings?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number HILLSBOROUGH 120112	B2. County Name HILLSBOROUGH	B3. State FLORIDA			
B4. Map/Panel Number 12057C0680	B5. Suffix H	B6. FIRM Index Date 8/28/08	B7. FIRM Panel Effective/Revised Date 8/28/08	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 67.1'

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.
 FIS Profile FIRM Community Determined Other/Source: _____

B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other/Source: _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Yes No
 Designation Date: N/A CBRS OPA

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction
 *A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.
 Benchmark Utilized: VC254 Vertical Datum: NAVD 1988
 Indicate elevation datum used for the elevations in items a) through h) below. NGVD 1929 NAVD 1988 Other/Source: _____
 Datum used for building elevations must be the same as that used for the BFE.

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	<u>71.52</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
b) Top of the next higher floor	<u>N/A</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>N/A</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
d) Attached garage (top of slab)	<u>71.14</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	<u>71.25</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<u>70.6</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<u>71.0</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<u>N/A</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No

Check here if attachments.

Certifier's Name JOHN R BEACH	License Number 2984
Title P.L.S.	Company Name JOHN R. BEACH & ASSOCIATES, INC.
Address 911 ST. PETERSBURG DR W	City OLDSMAR State FL ZIP Code 34677
Signature <u>John R Beach</u> Date 8/7/2013	Telephone 813-854-1276



SCANNED

IMPORTANT: In these spaces, copy the corresponding information from Section A.

FOR INSURANCE COMPANY USE

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
15904 AMBER FALLS DR

Policy Number:

City WIMAUMA

State FL ZIP Code 33598

Company NAIC Number:

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments C2(e) = A/C ELEV

Signature

John R Beach

Date 8/7/2013

SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
 - a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
 - b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8–9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name

Address City State ZIP Code

Signature Date Telephone

Comments

Check here if attachments.

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ feet meters Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ feet meters Datum _____

Local Official's Name Title

Community Name Telephone

Signature Date

Comments

Check here if attachments.

Building Photographs

See Instructions for Item A6.

SFN 6452

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.

15904 AMBER FALLS DR

For Insurance Company Use:

Policy Number

City State Zip

WIMAUMA, FL 33598

Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page, following.

ALL PICTURES TAKEN ON 8/5/2013

LOT 74, FRONT



LOT 74, REAR



LOT 74, LEFT



LOT 74, RIGHT



Logs That Indicate Services Performed

The Infrastructure and Development Services team with staff that assists in FIRM and flood insurance issues maintains daily logs that indicate what services are provided. Information recorded in the logs includes references to the inquirer and the item that required assistance from the County. These logs also have an item to denote flood insurance requirements if that is needed. Sample pages from the past year are attached. This is a part of daily activities and is organized through the Building Services, and the Engineering and Construction Services agencies under the Infrastructure and Development Services team. Permitting activities are conducted from two County offices: the County Center located at 601 E. Kennedy Boulevard and the South County Service Center located in Ruskin.

324
330 strategy

Open Lines

NEWS & INFO FOR TAMPA ELECTRIC CUSTOMERS

LIFE RUNS ON ENERGY



Issue 301

Her dog days are good days

Abandoned, abused and displaced dogs have a refuge at the home of Sue Brown, a power trader with Tampa Electric's Wholesale Marketing & Sales team. Brown volunteers with Dogma, a nonprofit organization that finds foster homes for dogs until they go to new owners.



When she places dogs in permanent homes, Brown looks for potential owners who are elderly, in recovery, alone or who could otherwise benefit from the dogs as therapy. The spayed, neutered, heartworm-tested and vaccinated dogs that Dogma works with receive microchips to help ensure their continued safety.

"When 60 percent of dogs that enter typical animal shelters are euthanized, there's a great need for ways to help them," Brown said. "That they're often able to provide effective therapy is just one reason why it's so rewarding to see them placed in their forever homes."

COMMUNITY

The 2013 Florida Strawberry Festival
"Our Masterpiece of Fun" is the theme for the 78th annual Florida Strawberry Festival, Feb. 28-March 10 in Plant City. For details on ticket prices, special days and discounts, ride specials and event schedules and to review the 2013 star-studded headline entertainment lineup, visit flstrawberryfestival.com or call 813-752-9194. Discount admission tickets are \$8 for adults and \$4 for children ages 6-12. Children ages five and under are admitted free with paid adult admission. Gate admission tickets, as well as headline entertainment tickets, can be purchased by calling 813-754-1996.

Hillsborough County flood maps
Hillsborough County residents and businesses can easily find out if their property is in the Special Flood Hazard Area by checking the county's website at hillsboroughcounty.org (click A-Z Index and then Flood Maps). Additional information on flood insurance rate maps, flood protection, special rules and flood insurance is also available on the National Hazard Planning section of the website. To speak to someone, call 813-307-4441 to

reach the county's Building Services agency, which has copies of Federal Emergency Management Agency elevation certificates for all buildings constructed in Special Flood Hazard Areas since 1992.

Free tax preparation
If you earned \$57,000 or less in 2012, you're eligible for free tax preparation and filing through United Way Suncoast and its partners in the Prosperity Campaign. Trained volunteers at multiple Hillsborough County locations will make sure you get the credits you deserve and e-file your taxes for free. Or do your taxes yourself with free software at myfreetaxes.com/tampa. Call 2-1-1 for the location nearest you or visit unitedwaysuncoast.org/freetaxhelp for locations and details.

Manatee Viewing Center
Your free, family-friendly destination for natural-Florida fun is waiting in Apollo Beach through April 15. Immerse yourself in Florida's natural habitat, learn all about manatees, stop for a snack and much more. Visit tampaelectric.com/manatee or call 813-228-4289.

Inside: Her dog days are good days • New environmental technology center

A few ways we're focused on serving you

Your community is our community. It's where we live and work, bringing you reliable electricity generated in environmentally responsible ways. It's where many of us have grown up and the area we, like you, want to see become a better place. That's why the men and women of Tampa Electric focus daily on bringing their best to the community.

In 2013, we're committed to maintaining our customer service momentum from 2012. Here are highlights of last year's effort and a peek at things to come:

- In 2012, we provided 99.9 percent reliability to customers.
- We successfully handled 5.2 million customer requests.
- Our company team members volunteered 11,000 hours in the community.
- We paid \$12.5 million in rebates to help customers install electric energy-efficiency measures and we



Tampa Electric team members - seen here at Metropolitan Ministries in Tampa on Dec. 20 - volunteer to help those in need across the Tampa Bay community through the Salvation Army, United Way, Hope Children's Home and many other organizations.

contributed more than \$1 million to help customers install solar technology. As part of our ongoing effort to bring solar power to local schools that double as emergency shelters, we just unveiled our newest 10-kilowatt photovoltaic installation at Lawton Chiles Elementary School in Tampa.

• We helped customers save energy and money through more than 6,000 free home energy audits - sign up for

at tampaelectric.com.

- We maintained more than 200,000 streetlights. In 2013, in partnership with the city of Tampa, we'll install 8,400 new streetlights.
- As a Tree Line USA utility, we used pruning methods that protect the health of trees when we trimmed more than 1,900 miles of growth near electric infrastructure for reliability.
- We welcomed nearly 200,000 visitors to our free Manatee Viewing Center, which you can visit through April 15.

Across a broad spectrum of activities, we're working to do more in 2013 for customers like you. Visit our Power Blog on tampaelectric.com and let us know what we're doing right - and how we can serve you better.

» Learn More «
tampaelectricblog.com

Act 330

Act 324

OPS

Rising costs and sluggish growth cause Tampa Electric to seek rate increase for 2014

If approved, residential bills would remain 5 percent below national average and among lowest in state.

Due to increased costs and sluggish growth, Tampa Electric has notified the Florida Public Service Commission (PSC) that it intends to file a request to raise residential rates by about 10 percent in January 2014.

Tampa Electric is seeking about \$135 million, or an increase of about \$11 a month - or 35 cents a day - for the average residential customer who uses 1,000 kilowatt-hours a month.

Tampa Electric last requested a rate increase in 2008. Since then, we have improved reliability. For the past five years, Tampa Electric's customers have had the fewest - and among the shortest - interruptions among Florida's investor-owned utilities.

Tampa Electric will file its proposed rate increase with the PSC in April. The PSC is expected to hold hearings and to vote on the issue by the end of the year. The new rates would take effect in 2014.

[» Learn More «](#)
tampaelectric.com/rates

The power of education

Tampa Electric's commitment to education involves helping students of all ages succeed. Through the Great American Teach-In, the Career & College Fest and Junior Achievement programs that teach young people professional skills, our team members donate countless hours annually to share their knowledge with students.

Throughout the year, Tampa Electric proudly partners with Hillsborough County Public Schools and the Hillsborough Education Foundation for their Career and Technical Education Initiatives. By getting the word out about learning opportunities, we're helping dedicated people develop new skills with which to earn a living. Some of these people bring their knowledge to Tampa Electric to serve you in roles that range from information technology to engineering and beyond.

Learn more about our belief in the power of education at [tampaelectricblog.com](#). For more on how career and technical education programs can help you build your future, visit [adhc.k12.fl.us/ctae](#).

Help us serve you better

To report a power outage, call our toll-free automated system at 1-877-588-1010. You can benefit from the system most by updating your primary phone numbers at [tampaelectric.com](#). The system recognizes your numbers that we have on file and matches them to your address when you call, helping us locate outages quickly.

See a streetlight out? Let us know!

If you see a streetlight that isn't working, send us the ID number listed on the light's pole - or the light's street location - in a form you can find at [tampaelectric.com](#). (No ID number means Tampa Electric may not own or maintain the light.) You also may notify us by calling the Customer Care phone number for your area on page 3.



FWC, Florida Aquarium and Tampa Electric break ground on new environmental facility

On Jan. 10, Tampa Electric team members joined leaders from the Florida Aquarium and the Florida Fish and Wildlife Conservation Commission (FWC) to break ground on a facility

with the potential to invigorate environmental stewardship in West Central Florida.

The park, which will be free to the public, will include an energy technology

center, a center for conservation, a fish hatchery, an educational facility, catch and release fishing programs, waterways for kayaking and more. It's the result of a unique partnership between public, private and nonprofit partners to bring together professionals, students and visitors interested in preserving Florida's unique and delicate ecosystem.

The facility is located on the site of a former palm tree farm south of

Tampa Electric's Manatee Viewing Center. While previous property owners disrupted the flow of water in the estuary, volunteers from Tampa Electric, Dowdell Middle Magnet

School, the Florida Aquarium and other organizations have donated their time to restoring the habitat to its natural form. On Jan. 10 alone, about 75 volunteers added 3,000

native plants to a propagation pond on the site that will treat wastewater from the future fish hatchery and serve as a source of salt marsh plants for other restoration projects around Tampa Bay. Their efforts helped lay the groundwork for a thriving example of what a commitment to environmental stewardship by people across the community can achieve.



As the Jan. 10 groundbreaking ceremony, from left to right, are Hillsborough county commissioners Al Higgins and Sandy Murman; Gordon Gillett, president of Tampa Electric and Peoples Gas; Thom Stark, president and CEO of the Florida Aquarium; FWC Chairman Kenneth Wright; and state Rep. Dana Young.

[» Learn More «](#)
tampaelectricblog.com

WELLNESS TIP

According to the Centers for Disease Control (CDC), flu season in the United States may peak in February. If you haven't had the flu and still need to get vaccinated, there may still be time. Visit the CDC online for important tips and guidance about how to best the flu.

Source: [cdc.gov/flu/season/flu.html](#)

Search for job openings at [tampaelectric.com/careers](#).

We're ready to serve you:

Remember, you can handle many account-related needs at [tampaelectric.com](#), including bill payment, changing your mailing address and turning your service on or off.

Our Customer Care hours are 7:30 a.m. to 6 p.m. Monday through Friday. Please use the phone number below that serves your county:

Customer Care:
Hillsborough: 813-223-0800
Polk: 863-299-0800
Others: 1-888-223-0800
Toll Free

Power Outages: 1-877-588-1010
Toll Free

Open Lines also is available at [tampaelectric.com](#). Tampa Electric is an Equal Opportunity Company. All rights reserved.

COMMUNITY RATING SYSTEM TRACKING AND
PUBLIC INFORMATION LOG

Staff Member: *Andrea Brewer*

Date: *7-29-13*

Agency: DS BSD HM

CONTACT INFORMATION				ACTIONS/COMMENTS				PROGRAM TYPE				
Name	Phone	Contact Code	Info. Distr. Code	Address	Folio/STR	Special Hazards/Precautions, Comments, Resolution, Followup, Site Info...	Fl. Ins. Given Y/N	Panel & Suffix	BFE DFE	DFIRM-FIRM Zone	CBRA or CA	Prog. Desc.
<i>1</i> Cissy					<i>87386.0000</i>	<i>need to speak to Deane</i>		<i>415H</i>		<i>A</i>		
<i>2</i> ELO	<i>left nos 727-528-2999</i>			<i>1028 Avila Rd.</i>	<i>73106.0200</i>		<i>Y</i>	<i>394H</i>	<i>58.05</i> <i>58.55</i>	<i>A</i>		
<i>3</i>				<i>817 Seabreeze Dr.</i>	<i>31899.0000</i>	<i>SFR 66783</i>	<i>Y</i>	<i>653H</i>	<i>11</i> <i>11.50</i>	<i>AE</i>		
<i>4</i> Debbie						<i>new eqip cabinet / slab replacement</i>						
<i>5</i>								<i>653H</i>	<i>11</i>	<i>AE</i>		
<i>6</i> Connie		<i>E</i>		<i>1544 Emerald Drive Dr.</i>	<i>79640.5346</i>	<i>SFR 66794</i>		<i>678H</i>	<i>12.1</i> <i>(29)</i>	<i>X</i>		
<i>7</i> Mrs. Quope		<i>WI</i>		<i>2206 S. 48th St</i>	<i>46745.0000</i>	<i>SFR 66583</i>	<i>Y</i>	<i>37H</i>	<i>60</i> <i>10.5</i>	<i>AE</i>		
<i>8</i> Maricela Santos		<i>WI</i>		<i>10216 Tanner Rd.</i>	<i>65106.0000</i>	<i>ATF 01294</i>		<i>380H</i>		<i>X</i>		
<i>9</i>		<i>WI</i>		<i>6408 Bright Bay Ct.</i>	<i>52091.5308</i>	<i>SFR 63724</i>						
<i>10</i> Kisha		<i>E</i>		<i>805 1st Ave. NE</i>	<i>55923.0000</i>	<i>1970</i>	<i>Y</i>	<i>658H</i>	<i>9</i>	<i>AE</i>		

TOTAL Count this Page:

10 ROWS PER PAGE

Page *1* of *1* for this date

Phone calls 3
Emails 3
Reviews
WALKIN 3
Other 1

Notes:			
H	Handout given	NA	Not applicable
V	Verbal information given	SS	Suspect soils
E	Email sent	CBRA	Coastal Barrier Resource Area
SV	Site visit	CA	Coastal A or AE Zone
FAX	Facsimile sent/received	H	Unkn.
WI	Walk-in	Elevations in NAVD 88; unless, otherwise noted.	

337 OPS



BOARD OF COUNTY COMMISSIONERS

Kevin Beckner
Victor D. Crist
Ken Hagan
Al Higginbotham
Lesley "Les" Miller, Jr.
Sandra L. Murman
Mark Sharpe

Office of the County Administrator
Michael S. Merrill

CHIEF ADMINISTRATIVE OFFICER
Helene Marks

CHIEF FINANCIAL ADMINISTRATOR
Bonnie M. Wise

DEPUTY COUNTY ADMINISTRATORS
Lucia E. Garsys
Sharon D. Subadan

EXAMPLE OF LETTERS SENT

Builders Association of Greater Tampa
2918 W. Kennedy Blvd., #201
Tampa, Fl 33609

SUBJECT: Flood-Zone Determination Assistance

Dear Colleague:

It's the time of the year to request your assistance as a partner working with the National Flood Insurance Program (NFIP). You may recall, as a part of the County's participation with the NFIP, a request is made of you to help in providing information to residents and businesses regarding the assistance provided in identifying flood-hazard information. With respect to this service, your assistance is requested in maintaining the community's good standing with the NFIP by distributing the information below (or that is attached) to your membership.

As a community in good standing with the NFIP, citizens of unincorporated Hillsborough County are eligible for reduced Federal flood-insurance rates. As a part of our continued participation with the NFIP Community Rating System, the County must notify lenders, insurance agents, and real estate agents of the map determination service that is provided to the community. Your assistance in publishing either the shorter newsletter-insert provided below or the more detailed attached sample article. If you are able to assist, please forward a copy of your newsletter containing the announcement or article so that it may be included as verification along with other documentation sent to FEMA with respect to the County's participation with the NFIP.

Short message for a newsletter

Hillsborough County Assistance with Flood-map Determinations

Hillsborough County is a qualifying community under the Federal Emergency Management Agency's National Flood Insurance Program Community Rating System, giving residents the ability to obtain Federal flood insurance. For more information, including updated Hillsborough County flood maps, visit HillsboroughCounty.org and under the heading "Services", select Flood Maps. You also may call 813-307-4441.

Hillsborough County National Flood Insurance Program Participation
Flood-Zone Determination Assistance
September 26, 2013; Page 2 of 2

Additionally, part of the program is to partner with you in order to reach your organization and membership through providing a sample newsletter article. Your assistance in having this information provided to your membership is greatly appreciated.

Thank you again for your consideration and help with informing our community.

Sincerely,

Eugene P. Henry, AICP, CFM, Hazard Mitigation Manager
Section Manager, Engineering and Construction Services, Public Works
Department
Post Office Box 1110, 22nd Floor
Tampa, Florida 33601

Email: Henrye@HillsboroughCounty.org

Attachment

North Tampa Chamber of Commerce
P O Box 82043
Tampa, FL 33682

Greater Tampa Chamber of Commerce
201 North Franklin Street, Suite 201
Tampa, FL 33602

Tampa Bay Builders Association (TBBA)
1210 Millennium Parkway
Suite 1051
Brandon, FL 33511

Greater Brandon Chamber of Commerce
330 Paul's Drive, Suite 100
Brandon, FL 33511

Town n' Country, Florida Chamber of Commerce
75 Paula Drive, Suite 105
Tampa, FL 33615

Greater Tampa Association of Realtors
2918 West Kennedy Boulevard
Tampa, FL 33609

SouthShore Chamber of Commerce
137 Harbor Village Lane
Apollo Beach, FL 33570

Greater Riverview Chamber of Commerce
10012 Water Works Lane
Riverview, FL 33578

Insurance Advisory Group
1111 N. Westshore Boulevard, Suite 208
Tampa, FL 33607

324

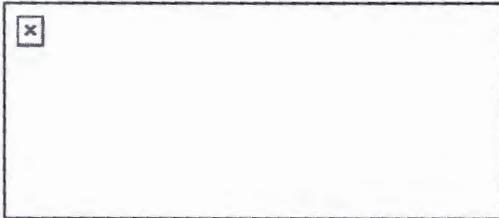
- Log

- OPS Log/324

Iverson, Andrea

From: Adam Kjeer [akjeer@aaasouth.com]
Sent: Thursday, August 22, 2013 11:55 AM
To: Iverson, Andrea
Subject: RE: Folio # 076720-2656 Elevation Certificate on File?
Attachments: image002.png; image004.png; image005.gif

Thank you so much!!!



Adam Kjeer
Licensed Insurance Agent
Westshore Branch
813-289-5800 ext. 6519
Fax - 1-866-461-4116
akjeer@aaasouth.com

The greatest complement I can receive is a referral to a friend or family member!

From: Iverson, Andrea [mailto:IversonA@HillsboroughCounty.ORG]
Sent: Thursday, August 22, 2013 11:43 AM
To: Adam Kjeer
Subject: RE: Folio # 076720-2656 Elevation Certificate on File?

Hi Adam,

Elevation certificate is attached.

Thanks,

Andrea Iverson, CFM
Senior Engineering Technician
Hillsborough County Building Services Division
Hillsborough County BOCC
p: 813-307-4441 | f: 813-307-8361
e: iversona@hillsboroughcounty.org
w: <http://www.hillsboroughcounty.org>

Please note: all correspondence to or from this office is subject to Florida's Public Records laws.

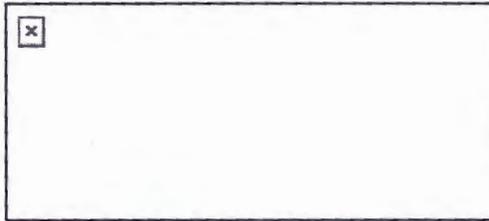


From: Adam Kjeer [<mailto:akjeer@aaasouth.com>]
Sent: Thursday, August 22, 2013 9:26 AM
To: Iverson, Andrea
Subject: Folio # 076720-2656 Elevation Certificate on File?

Good Morning Andrea,

Can you please tell me if there is an elevation certificate on file for the above property?

Thank you.



Adam Kjeer
Licensed Insurance Agent
Westshore Branch
813-289-5800 ext. 6519
Fax - 1-866-461-4116
akjeer@aaasouth.com

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Iverson, Andrea

From: Iverson, Andrea
Sent: Thursday, August 22, 2013 11:43 AM
To: 'Adam Kjeer'
Subject: RE: Folio # 076720-2656 Elevation Certificate on File?
Attachments: 8808ALAFIACOVE.pdf

Hi Adam,

Elevation certificate is attached.

Thanks,

Andrea Iverson, CFM
Senior Engineering Technician
Hillsborough County Building Services Division
Hillsborough County BOCC
p: 813-307-4441 | f: 813-307-8361
e: iversona@hillsboroughcounty.org
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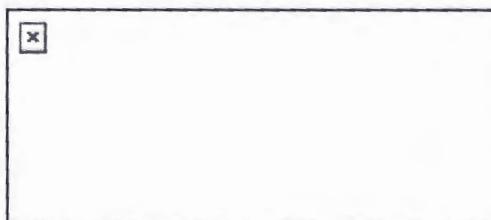


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Sent: Thursday, August 22, 2013 9:26 AM
To: Iverson, Andrea
Subject: Folio # 076720-2656 Elevation Certificate on File?

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Adam Kjeer

Licensed Insurance Agent
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Fax - 1-866-461-4116
akjeer@aaasouth.com

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Iverson, Andrea

From: Iverson, Andrea
Sent: Friday, August 23, 2013 3:13 PM
To: 'melissa@genecherryinsurance.com'
Subject: Flood zone determination
Attachments: 2525NVALRICO.pdf

Hi Melissa,

Attached is the determination for 2525 N. Valrico Rd.

Thanks,

Andrea Iverson, CFM

Senior Engineering Technician
Hillsborough County Building Services Division
Hillsborough County BOCC
p: 813-307-4441 | f: 813-307-8361
e: iversona@hillsboroughcounty.org
w: <http://www.hillsboroughcounty.org>

Please note: all correspondence to or from this office is subject to Florida's Public Records laws.





PLANNING AND GROWTH MANAGEMENT DEPARTMENT
BUILDING SERVICES DIVISION
FLOOD ZONE / ELEVATION DETERMINATION FORM

Site Address: 2525 N. VALRICO RD. Folio: 84778.1108

Subdivision Name: SCANLON COUNTRY ESTATES LOTS 3 AND 4

Legal Description:

Flood Insurance Rate Map Community # 120112 Panel # 12057C 0385H Date 08/28/08

Flood Zone(s) for Property: AE Flood Zone(s) for Structure: AE

Base Flood Elevation: 52.0FT NGVD 1929 NAVD 1988

Design Flood Elevation: _____ NGVD 1929 NAVD 1988

Is the construction in a Regulatory Floodway? Yes No

Is the construction in a Velocity Zone? Yes No

Letter of Map Amendment / Revision Number: _____

*Property was located in flood zone C on previous map
120112 0385E (8-15-89)*

The information above is based on best available data and is not performed by a licensed engineer or surveyor. It is expected to be reasonably accurate and is the best judgment of staff using information and resources available. Better site specific information may be provided to dispute this determination, but is required to be approved by the Floodplain Administrator or designee. Neither the county, nor its agents, will be held responsible for any errors or oversights as a result of this determination.

Please be advised that this determination does not imply the referenced property will or will not be free from flooding or damage. Properties not in a Special Flood Hazard Area may be damaged by a flood greater than predicted on the Flood Insurance Rate Map or from a local drainage condition not shown on the map.

Audrey Iverson
Name - Building Services Division Staff

8-23-13
Date

Activity 330

As part of the annual awareness campaign, flood protection information is provided to property owners with structures within the Special Flood Hazard Area. Information is provided through a printed brochure that explains aspects of flood protection, elevation certificates, flood insurance, receiving assistance on sites regarding mitigation, drainage requirements, drainage maintenance, functions of floodplains and wetlands, property protection, floodplain permitting, types of flooding, and how to get a copy of flood-hazard maps. Phone numbers and emergency warning information is also provided. Attached is this year's outreach brochure.

REVIEW OF THE COUNTY'S PARTICIPATION WITH THE NATIONAL FLOOD INSURANCE PROGRAM, 2012-2013 -- PUBLIC INFORMATION PROGRAM STRATEGY EVALUATION

Ongoing progress working with a working group and the community led to this report, which was discussed in public forums on four (4) occasions, which included the annual Hillsborough County Neighborhood Conference, the annual Hurricane Exposition, and the Local Mitigation Strategy Working Group (LMSWG). The LMSWG and its Community Rating System Subcommittee during regularly scheduled meetings to discuss flood-protection and flood-outreach initiatives as required for the National Flood Insurance Program Community Rating System (CRS) program. Additionally, Hillsborough County has joined with other Tampa Bay area communities within Pinellas and Hillsborough Counties in developing a bay-area Community Rating System Regional Committee (Committee). The Committee began to organize to create homogenous messages regarding flood protection and flood resiliency. The Committee at this time continues to gain understanding of how best to implement outreach messages and programs.

Activity 330 – Public Outreach Strategy (OPS)

Goals of the Community's Public Information Program Strategy: The evaluation of the Public Outreach Strategy is included as part of the documentation for Activity 510, Floodplain Management Planning. As a "Class C" community with more than ten (10) repetitive flood loss structures in the community, the County is required to annually evaluate its plans and thus the review of outreach activities is included as part of that document. Transparency of all phases of any planning process is the identification of a guiding goal, which also serves to guide the County's Hazard Mitigation public outreach process. It is required of Hillsborough County agencies to conduct outreach programs that a "marketing plan" be created. This is to ensure the County's Communications Department has the ability to verify that outreach is performed pursuant to administrative processes with respect to operating procedures in meeting with, and providing notices to, the public. Such a plan remains valid and has been approved for use in working with residents impacted by the Special Flood and Coastal High Hazard Areas, and repetitive flood-loss areas.

There is a guiding goal within the Local Mitigation Strategy (the all-hazards guiding document) and a number of goals have been approved through the planning process in which floodplain management objectives and action items have been implemented (Floodplain Management Plan, Tables 9 through 13). The guiding goal and four objectives are a part of the Local Mitigation Strategy (LMS) and are listed in Section V, Page V-1 of the LMS and in the Floodplain Management Plan (FPMP) in Table 9, which are accompanied by goals and objectives that have been adopted to specifically address floodplain management.

LOCAL MITIGATION STRATEGY GUIDING PRINCIPALS

MITIGATION	GUIDING PRINCIPAL	DESCRIPTION
OBJECTIVES	Public Education	Increase public awareness in the use of mitigation programs and techniques to reduce the impacts of natural and man-made hazards.
	Coordination	Coordinate public and private sector participation in identifying and managing and/or implementing mitigation projects and measures throughout Hillsborough County.
	Development Management	Identify and implement a combination of regulatory, incentive and initiative programs that will reduce potential loss and would encourage participation in ongoing hazard mitigation.
	Critical Facilities	Develop and maintain an inventory management system on all data affecting hazard mitigation.

County agencies have acclimated to many of the agency format changes and positions continue to be added back into the workforce. The Hazard Mitigation team has been approved to regain one planning position, which will assist in the reorganizing and formatting the process to catch-up with deficient areas associated with implementing the NFIP and the CRS program. During the past year, the County did have a CRS Insurance Service Office (ISO) Cycle visit; whereby, CRS activities were reviewed for compliance. This was accomplished following and during continued organizational changes and resource constraints. In an elongated process and multiple follow-up sessions, the County was deemed to have sustained its CRS rating and discounts. Although, the County sustained its CRS rating, the success was based upon an early start to the review of activities and the contribution of many support agencies that spent a great number of hours working on the process. The addition of the planning position will assist in addressing activities that are in need of having requirements met and in working to sustain the current level of participation. Without such, challenging opportunities would become apparent in sustaining maintenance to the program and in meeting annual report and program activities.

Activity 330, Annual Evaluation of Public Information Program, projects implemented to meet these goals: The County has an Outreach Strategy group (formally called the Local Mitigation Strategy Working Group, Community Rating System Committee) that meets semi-annually to review progress of objectives and any possible changes to the strategy. During the 2012-2013 reporting period, the Local Mitigation Strategy (LMS) Working Group met as the Community Rating System Committee and did discuss the CRS Outreach Strategy, which the community agreed upon tasks that were approved during the beginning of the reporting period. The County has met all of the objectives that were possible.

Community outreach has become a staple of almost every government entity and flood protection, water quality, and preparedness methodologies are provided by government and public/private partnerships. Hillsborough County conducts meetings at locations easily accessible by the public, such as community service centers, libraries, and schools. There are also versions of these meetings that focus on the Hispanic community to help overcome language barriers and educate those portions of the residents that would otherwise not receive assistance in these matters. The Public Works Department sponsors the Adopt-A-Pond program that provides team members that will meet with local neighborhoods to educate residents on how to protect and monitor lakes and ponds. There is also the Citizen Corps Council that works through local law enforcement, fire departments, and other associated agencies; whereby, members of such travel to community areas to teach residents how to prepare, respond, and recover from disaster (flooding events included). Added, during the Spring 2013, the County and City of Tampa sponsored a severe storm (hurricane) exposition at the Museum of Science and Industry, which did allow parents and children to visit the Disasterville exhibit that allows visitors to experience the affects of various disasters and teaches them how to reduce their vulnerabilities.

In short, the County and its residents are much better educated through various mediums, such as community meetings, community training sessions, government television channels, internet sites, mailings to property residents and businesses within the Special-Flood and Coastal-High Hazard Areas. Although the existing strategy remains in place, efforts of the many other agencies interested in educating and protecting the public have met and exceeded many of the goals of the original strategy.

Projects Implemented to Attain Floodplain Management Guiding Goals:

1. Conducted Community Rating System (CRS) Committee meetings. Information regarding the CRS strategy was disseminated early in the year, along with the list of actions, to review for modifications and for approval. Added, the action plan and requirements of 9G-22 were reviewed, which include review of changes with the Florida Building Code and local Construction Code, stream monitoring, and changes in the water models. The CRS Strategy was approved by the CRS Committee, the LMSWG and the Steering Committee -- Disaster Recovery Committee (now called the Operations Group). It is the intent to eventually have the Citizens Advisory Committee become the Steering Committee of the LMSWG and the CRS Committee. In the discussion as a follow-up to the previous year, information regarding repetitive flood-loss areas and the potential of flooded roads under the Metropolitan Planning Organization within in Hillsborough County following a storm event were discussed. Local road flooding information is modeled and is available through the Engineering and Environmental Services agency of the Public Works Department.

2. Provided written notification to property owners that are within Special-Flood and Coastal-High Hazard Areas, and repetitive flood-loss areas as identified within the Local Mitigation Strategy.
3. Provided brochures and publications to property owners through media, mail and resource libraries at selected buildings throughout the county. Maintenance to resource libraries continues to be limited and at times delayed due to resource constraints. Brochures and publications address local flood hazards, flood insurance, flood protection and mitigation, regulations, and availability and location of flood mapping information.
4. Implemented the Strategy that included continuing to participate in the annual publication and distribution of the *Hurricane Guide for the Tampa Bay Region*. The Hurricane Guide has a design that is brought together through the Tampa Bay Regional Planning Council, but is specifically published and distributed by respective counties. This is the fourth year in which the Hurricane Guide has received an update to better address messages associated with flooding.
5. Presented at various business and community meetings regarding hazards facing residents. Additionally, participation was with the Neighborhood Conference and the annual hazard preparation exposition conducted at the Museum of Science and Industry. The County did not conduct one summer community workshops located at two community locations regarding disaster preparation and floodplain management. However, further workshops were not conducted due resource constraints.
6. Provided educational information through media avenues, such as through a newsletter/utility bill mail-out.
7. The local Telephone Company continued to illustrate flood hazard areas within the local telephone book.
8. Provided an informational and educational training associated the hazard mitigation (includes NFIP and flood topics) program. The County will be re-hiring the Contingency Planner position that provides assistance directly to businesses.
9. Verified information available through the Main Branch of the County Library System.
10. Worked with the Florida Floodplain Managers Association to provide training.
11. Updated web-based information with respect to providing flood protection information to residents. The County's web page continues to provide the ability to residents and businesses to view flood hazards with respect to an individual structure.
12. Provided updates and met with the Steering Committee.
13. The County did not adequately assess the community during this past year for needs associated with floodplain management and all-hazards assessments; however, the County will begin updating the all-hazards plan in the coming year.
14. Conducted an annual exercise to test response activities and warning systems.

In addition, the County did perform added assessments regarding flood protection during the past year that included:

15. The County supported reviews of the Local Mitigation Strategy project lists to determine if any updates were needed. The LMSWG was convened to discuss and review mitigation projects following Tropical Storm Debby. A project was awarded under the Hazard Mitigation Grant Program by the State to assist in better protecting a critical facility from wind and flood risks.
16. The County completed work with a severe repetitive loss property owner in the rebuilding of their structure. A minor storm surge event that may have flooded the previous structure did not impact the newly elevated structure. This project is a good example of flood mitigation, and the County has been requested to provide a case study.
17. The County is seeking assistance to review potential conditions that may arise from the increase in the still-water elevation within the bay over the next two to three planning horizons (25, 50, and 75 years). The County continues to work with the statewide Focus Group that is studying potential impacts from climate changes to local communities that includes determining impacts from the increase in sea-level.
18. The County has identified a need to include bridge fortification on the LMS project listing, which will better protect bridge approaches to a higher standard and protect such from erosion and failure.
19. The County continues to look-into the manner in which the Critical Facility protected database will provide access to local jurisdictions for maintenance and updating.
20. The County entered into a project with the National Oceanic Atmospheric Association to review a program to assist the Port of Tampa becoming more resilient to flood disasters.

21. The County updated the eastern Delaney Creek watershed through a Physical Map Revision, which affected four Flood Insurance Rate Map (FIRM) panels. The map change did require the Flood Damage Control Regulations to be reviewed and subsequently updated.
22. The County has conducted numerous meetings regarding updates to 17 Watershed Master Plans. Respective studies will be used to update FIRMSs within three years.
23. The County participated in a Discovery meeting with FEMA regarding updates to coastal FIRMSs. It is anticipated coastal DFIRMS will be updated within three years, which may include added base-flood elevation heights due to more detailed and accurate models used in the study of coastal flooding. Staff is working with FEMA to keep the community aware of potential changes in maps and base-flood elevations.
24. The County Congressional liaison has met with Public Works and Hazard Mitigation team members to review affects to the community from the Beggert-Waters NFIP Reform ACT. The Hazard Mitigation team is working with the Geomatics team to review potential affects to coastal property owners. The first review of affects from the potential affects from removal of subsidies from the NFIP illustrates a potential community affect of greater than 20,000 parcels.
25. The County entered into a collaborative project with the Metropolitan Planning Organization to address resiliency of Hillsborough County transportation systems susceptible to storm surge with the Federal Highway Administration.

Were any projects not implemented or objectives not reached. The following are activities that did not fully meet objectives:

1. Each year the County sends repetitive flood-loss property owners a letter illustrating available programs, which the County's staff provides follow-up to interested parties. However, during this year, the County's team concentrated in working with current grants and assisting with the aftermath associated with Tropical Storm (TS) Debby and TS Andrea. However, the Hazard Mitigation team was able to send notices to repetitive flood-loss property owners to provide and increase the awareness with respect to the upcoming Flood Mitigation Assistance Program. The aspect that was not completely met is associated with comprehensively working with residents within respective areas.
 During TS Debbie, the team did speak with some repetitive flood-loss property owners regarding interest in the Federal repetitive flood-loss program; whereby, the County assists property owners through the process. The team did complete one severe repetitive flood-loss project, which the State and FEMA have asked to have the project provided as a positive case study. There were resource constraints to provide further outreach, other than as identified herein, to advise property owners and businesses of flood hazards, methods of protection and any financial assistance that may be available to them for flood mitigation projects. Such items are pursuant to the adopted floodplain management plan.
2. Each year the Hazard Mitigation Program (Program) has integrated activities with other agencies to provide information at various citizen meetings, which includes Hispanic community meetings. These events are at schools, churches, and other areas with easy access for the public. The outreach did occur with the Hispanic community through the various County community liaisons; however, coordination with specificity under the Floodplain Management Program was minimal.
3. The County works with community planners in the development of community plans; whereby, risks and flood mitigation techniques are identified to be incorporated to some extent into community plans. Because of resource constraints, respective collaboration was minimal.
4. The County has maintained National Flood Insurance Program (NFIP) resource libraries within local permitting offices to a very limited degree. Added materials have been requested to be ordered and the revised website will further capabilities in allowing the community to have quick access to flood-protection documents from the Hillsborough County website. Additionally, there does not seem to be a demand for written materials as in past years. This lack of demand for material has made this more of a per request system. The materials are taken to meetings and other community events. Also, citizens may request materials through any of the County's Development Services offices and the principal Engineering, and Environmental Services Office.
5. As part of the educational program, information was minimal with respect to having program statements and materials disseminated through media avenues and the County's utility-bill notifications, the newsletters within the three (3) cities, and links to FEMA (www.fema.gov) and the State of Florida (www.floridadisaster.org).

What new projects should be implemented and what projects or objectives should be revised that are not included within the aforementioned section:

1. The Local Mitigation Strategy Working Group, Community Rating System (CRS) subcommittee review programs within the Strategy. This activity will be coordinated with other regional Local Mitigation strategy Working Groups and through work conducted through the Regional CRS Committee; whereby, ISO and FEMA are available to assist to a greater extent.
2. The process will become better coordinate with the Neighborhood Relations Program as the Citizen Corps Council becomes involved more to disseminate information to neighborhoods. The coordination effort is underway; however, it is performed on an incremental basis due to resource constraints.

This section of the report serves also to outline the Action Plan for implementation of the Hillsborough County participation with the National Flood Insurance Program Community Rating System. The next section will reiterate this statement; however, an outreach plan with minimum task similar to that within Section I of the LMS has been included to identify minimum actions that are performed to varying degrees during the year through the Public Outreach process. Items within this section of this report, when used together with the previous information serve as actions to implement the Hillsborough County Floodplain Management Plan.

Continued Action Plan

Taking into consideration the existing resource constraints experienced by Hillsborough County, and the realization that all floodplain-management activities are conducted through operating budgets of various County departments, the aforementioned section outlines those annual tasks that were performed or implemented in the adopted Hillsborough County Floodplain Management Plan.

The Floodplain Management Plan (FPMP) action items are referenced within the Local Mitigation Strategy (the Floodplain Management Plan) Section 5. This section and referenced tables of this report and that of the Local Mitigation Strategy are, in fact, past and current tasks and programs used to implement the County's participation with the National Flood Insurance Program Community Rating System (NFIPCRS). As outlined and adopted within the Local Mitigation Strategy, the Action Plan continues to be used into the future until such time it is modified or repealed.

Hillsborough County's participation with the National Flood Insurance Program Community Rating System (NFIPCRS) requires specific tasks to be met and reviewed following an annual and three-year cycle. To ensure maintenance to the program and to ensure implementation of activities in which the County receives credit under the NFIPCRS program, the following activities will be performed to no less than the level in which Hillsborough County can sustain the current nationally recognized classification (rating) of "5" or to the level in which staff is approved to seek a NFIPCRS classification of "4". The rating of 5 currently benefits unincorporated residents and businesses with an aggregate amount greater than \$5 million. Additionally, this standing requires Hillsborough County to also sustain its ISO Building Code Effectiveness Grading Schedule (BCEGS) Classification of 4/4. The following is a summary of those items in which the County will continue seeking credit as approved by the Board of County Commissioners:

- Activity 310 – Elevation Certificates: The Building Services Division maintains elevation certificates for new and substantially improved buildings. Copies of elevation certificates are made available upon request. Elevation Certificates are also kept for post-FIRM buildings. The County continues to tracking development and maintain stored records associated with the SFHA. This year a total of 409 permits were issued for new and/or substantially improved structures within the SFHA.
- Activity 320 – Map Information Service: Credit is provided for furnishing inquirers with flood zone information from the community's latest Flood Insurance Rate Map (FIRM), publicizing the service annually and maintaining records
- Activity 330 – Outreach Projects: A community phone book is delivered to all properties in the community on an annual basis. An outreach brochure is mailed annually to all properties in the community's Special Flood and Coastal Hazard Areas (SFHA and CHHA). The community also provides flood information through an outreach program strategy

- Activity 350 – Flood Protection Information: Documents relating to floodplain management are available in the reference section of the Hillsborough County Public Library. Credit is also provided for floodplain information displayed on the community’s website
- Activity 360 – Flood Protection Assistance: The community provides technical advice and assistance to interested property owners and annually publicizes the service
- Activity 410 – Additional Flood Data: Credit is provided for conducting and adopting flood studies for areas not included on the FIRMs and that exceed minimum mapping standards. Credit is also provided for a cooperating technical partnership agreement with FEMA
- Activity 420 – Open Space Preservation: Credit is provided for preserving approximately 49,307 acres in the SFHA as open space. Credit is also provided for open space land that is deed restricted and preserved in a natural state
- Activity 430 – Higher Regulatory Standards: Credit is provided for enforcing regulations that require freeboard for new and substantial improvement construction, cumulative substantial improvement, protection of critical facilities, protection of floodplain storage capacity, natural and beneficial functions, enclosure limits, other higher regulatory standards, and land development criteria. Credit is also provided for enforcement of state mandated regulatory standards, for a BCEGS Classification of 4/4, for enforcement of the Florida Building Code, and for staff education and certification as floodplain managers
- Activity 440 – Flood Data Maintenance: Credit is provided for maintaining and using digitized maps in the day to day management of the floodplain. Credit is also provided for establishing and maintaining a system of benchmarks
- Activity 450 – Stormwater Management: The community enforces regulations for stormwater management, freeboard in non-SFHA zones, soil and erosion control, and water quality
- Activity 502 – Repetitive Loss Area: The County continues to send information to repetitive flood loss property owners and areas. Added, the County provides notice to greater than 21,000 property owners within respective areas to increase awareness of the high risk to flooding. The number of repetitive flood-loss structures has been reduced from previous reports due to the manner in which the State and FEMA review such for participation within Hazard Mitigation Assistance programs
- Activity 510 – Floodplain Management Planning: Based on the updates made to the NFIP Report of Repetitive Losses, 215 repetitive loss properties and is a Category C community for CRS purposes. All requirements for the 2013 cycle have been met. Credit is provided for the adoption and implementation of the Floodplain Management Plan -- as a Category C community with an approved Floodplain Management Plan, a progress report must be submitted on an annual basis
- Activity 520 – Acquisition and Relocation: Credit is provided for acquiring and relocating buildings from the community’s flood hazard area
- Activity 530 – Flood Protection: Credit is provided for buildings that have been floodproofed, elevated or otherwise modified to protect them from flood damage. One additional building has been included with the program in the past year
- Activity 540 – Drainage System Maintenance: A portion of the community’s drainage system is inspected regularly throughout the year and maintenance is performed as needed by Hillsborough County Public Works Department. Records are being maintained for both inspections and required maintenance. Credit is also provided for an ongoing Capital Improvements Program. The community also enforces a regulation prohibiting dumping in the drainage system
- Activity 610 – Flood Warning Program: Credit is provided for a program that provides timely identification of impending flood threats, disseminates warnings to appropriate floodplain residents, and coordinates flood response activities. Credit is also provided for the designation as a Storm Ready Community by the National Weather Service
- Activity 630 – Dam Safety: All Florida communities currently receive CRS credit for the state’s dam safety program

Also included with the Action Plan are those projects approved with the LMS, Appendix G and Attachment 20. Respective projects are listed and have been ranked for floodplain management purposes.

Continued Implementation, Evaluation and Revision Process

Procedures for monitoring and recommending revisions to the plan: The Floodplain Management Plan (FPMP) is maintained pursuant to the annual reporting process required with the annual submittal of the AW 214 form (and form 230 associated with the three-year cycle visit), which is the annual certification of Hillsborough County's continued participation with the National Flood Insurance Program Community Rating System (NFIPCRS). Additionally, the Local Mitigation Strategy (LMS) pursuant to 44 CFR Part 201 (Attachment N of the LMS -- LMS Adopting Ordinance) continues to be maintained on an annual basis pursuant to Florida Administrative Code (9G-22, FAC). Within the LMS, Section VII establishes a process in which the LMS and FPMP will be maintained and updated. Although, the LMS is required to be updated once every three years, the FPMP will be updated using the LMS and NFIPCRS processes. The update will be updated once every three years or as otherwise identified in the CRS Manual. The process in which the FPMP will be maintained includes adherence to:

- Completing NFIPCRS activities to maintain the County's participation with the National Flood Insurance Program and Community Rating System, which includes performing activities included with AW 214 (AW 230 with the three-year cycle visit), reviewing and completing AW 501 forms, and activities identified within the aforementioned Action section of this Plan as updated with the supplement to the Local Mitigation Strategy, Floodplain Management Plan -- Appendix O
- Completing activities pursuant to 9G-22, FAC
- Having the Board of County Commissioners approve the annual membership to the Local Mitigation Strategy Working Group that also serves as the CRS Committee
- Implementing the annual update to the Local Mitigation Strategy pursuant to Section VII (page VII-1): LMS Plan Maintenance pursuant to required timeframes, procedures for monitoring and evaluating activities identified with the LMS action plan (LMS, Section VII, pages VII-2 through 5

The same planning committee does perform evaluations. Staff support for monitoring and recommending plan changes will still be conducted through the existing Local Mitigation Strategy Working Group (LMSWG). This group is the existing planning committee that updated the Local Mitigation Strategy that serves as the Floodplain Management Plan (FPMP) and was requested to comment on the FPMP's supplement during the time in which the FPMP was updated. The Committee for Floodplain Management Plan is expected to remain the same; however, there may be some limited personnel changes due to attrition or reductions within local governments that serve the committee. The Committee is referenced within the Acknowledgement Section of the LMS and in the LMS, Section 1, and pages I-9 through 13.

The planning committee qualifies under 511(2)f. and g, which is the LMS Working Group. As the planning committee, it is continued with authority under the LMS adopting resolution and pursuant to Florida Administrative Code, 9G-22. The committee will remain with representatives from the business community and it will continue to have representation from citizens. Additionally, membership will continue to have representation that live or work in, or near, flood-hazard areas that include some of the County's repetitive flood-loss areas.

With respect to plan maintenance, it is part of a continuing assessment performed by Hillsborough County's Hazard Mitigation Program; whereby, the following is a part of a continuing program to review and update: policies, programs and plans as part of adopted growth management initiatives, floodplain management strategies, and countywide emergency management plans. Any updates to the critical facilities, repetitive flood loss or hazards analysis will be reflected on all maps as required. Plan Maintenance and Updating are also adopted actions and are identified within the LMS -- Plan Implementation / Action Plan, Vii-3.

CONTRACTOR ENFORCEMENT

Enforcement all around has increased and we have upped our section from 2 to 4 investigators

- Active Cases – 871 as of July 31, 2013 (compared to 913 for yr. 2012)
- Unlicensed Cases – 34 (from 2 to 4 investigators as of Dec. 2012)
- Fines Collected - \$46,600.00 (Jan. - July 31, 2013)
- Citations Issued – 111 (as of July 2013)

We now have on board 2 Detectives (Jose Sanchez & David 'Mickey' Stofflet)

- Unlicensed Cases – 27
- No arrests made...yet

If you witness any visible violations they can be emailed:
violation@hillsboroughcounty.org

If you have any concerns or questions, please feel free to contact me @ (813) 635-7316 or email:
www.williamsl@hillsboroughcounty.org

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Residential white pages are not included in this directory. They are available at www.verizon.com/whitepages.

To order directories, stop delivery of this directory, or obtain a free copy of the residential white pages, call 1-800-888-8448.

For more information, call the Southwest Florida Water Management District at 1-800-423-1476 and ask for "The Floodplain Facts;" TTY customers dial 1-800-231-1603.

PROTECT YOUR BUSINESS!

Following Hurricane Andrew, an estimated 8,000 businesses and 100,000 jobs were lost. Use the following checklist to prepare a Business Disaster Recovery Plan:

Know Your Risk. Check your hurricane evacuation level and FEMA flood maps! Is your workplace vulnerable to hurricane force winds? Have your building inspected by a licensed professional.

Take Necessary Precautions. If a storm threatens, secure your building. Cover windows with shutters or plywood. Cover and move equipment/furniture to a secured area.

Always protect your data with backup files. If dependent on data processing, consider an alternate site. Make provisions for alternate communications and power.

Make provisions to work with limited cash, water and sewer, and no power. Store supplies.

Protect Your Employees. Employee safety comes first! Prepare, distribute and exercise your plan for recovery. Consider providing shelter to employees and their families and helping with supplies after the storm. Establish a rendezvous point/time in case damage is severe and communications are disrupted. Establish a call-down procedure for warning/post-storm communications. Provide IDs.

Contact Your Customers and Suppliers. Share your communications and recovery plan in advance.

Review Your Insurance Coverage. Inventory and photograph equipment, supplies and workplace. Have copies of insurance policies and customer service/home numbers. Obtain Business Interruption Insurance and other needed coverage. Check co-payments. **Remember:** Flood damage requires separate coverage and is **NOT** covered under other insurance programs.

After the Storm. Use caution before entering. Check for power lines, gas leaks and structural damage. If any electrical equipment is wet, contact an electrician. Prepare loss information for insurance claims and get independent estimates of damages. Take pictures before cleanup. Minimize additional damage. For more information, contact the Southwest Florida Regional Planning Council, your local Chamber of Commerce or county emergency management office.

HAZARDOUS MATERIALS EMERGENCIES

The good things chemicals bring into our lives have become vital to us. Although major chemical emergencies are extremely rare, there always remains a chance that one will occur. In case of a hazardous material emergency, knowing how to respond will greatly lessen the chance of injury. The Tampa Bay Local Emergency Planning Committee at 727-570-5151, ext. 248, is available to answer your questions.

IF TOLD TO "SHELTER IN PLACE"

Protect yourself inside your house or some other building. This action will be recommended if there is a short release, a small amount of hazardous material in the air, or if time does not permit evacuation before the arrival of a cloud of toxic vapor.

Remember:

- Stay inside until local officials say you can leave safely. Bring all pets indoors! This will likely be for no more than a few hours.
- Close all doors and windows.
- Seal all gaps under doorways and windows with wet towels and duct tape.
- Turn off heating and cooling systems.
- Listen to your local radio or TV stations for further instructions.
- Resist the impulse to go outdoors before given the "All Clear" by authorities.

If you are told to protect your breathing, cover your nose and mouth with a damp cloth folded over several times.

IF TOLD TO "EVACUATE"

You should move to the place/shelter designated by public officials. Listen to your radio and TV for specific instructions and follow these guidelines:

- Stay calm. If you already know where to go and what to take, that will help.

- Quickly gather what you will need, unless you are told to leave immediately.
- Turn off lights, heating, cooling, ventilation systems and lock your house.
- Use only one vehicle for your family. If possible, offer your neighbors a ride.
- Keep car windows/air vents closed. Do not use the AC until you are out of the area.
- Drive safely—Law enforcement officers will help with traffic control.
- Do not worry about your property while you are away. The area will be secured.
- If you need a ride, ask a neighbor. If you cannot, officials will arrange transportation, if possible. Call your County Emergency Management Dept. to register NOW.

YOUR CHILDREN

If your children are in school, officials will take care of them. If students have to evacuate, they will be the first to move. Do not try to call or go to your children's school to pick them up—that could delay their evacuation to a safer area. Teachers and other adults will take them to a designated place or shelter. In some cases, the school may not be at risk to the chemical release. Either way, you will be told by local officials where to pick up your children.

PETS

Pets will not be allowed inside public shelters, but take them with you in a hazardous material emergency—provisions can be made for them if you have their carrier, food, leash, collar, tags, and medication.

WHEN YOU RETURN

Officials will notify you as to what precautions need to be taken. Depending on the type of chemical, you may need to:

- Open all windows and doors to air out your house/business.
- Wash all dishes and eating utensils.
- Dispose of any open food, etc.
- Vacuum furniture, floors, other items.
- Change air conditioner filters.
- Wash clothes and bedding.
- Air out files, copy paper, etc

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¹ comScore Media Metrix-Key Measures Directories/Resources Report, October 2009

² Superpages.com User Satisfaction Study, Q4 2008

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HELP IS HERE

Hillsborough County Emergency Management is ready to help if you have questions about disaster preparedness.

If you will need assistance with transportation during an evacuation because of age, disability, or other special needs, please register with us NOW.

Hillsborough County Emergency Management

813-272-6900

Florida Relay Service
Deaf Communication Center for TDD Messages
813-276-2395

Special Needs Registration
813-272-6900

Hillsborough County Bldg Dept. (Building Permits/Inspections)
813-272-5600

Hillsborough County Info Line
813-272-5900

YOU CAN HELP TOO

Be Part of the Disaster Team

American Red Cross

813-251-0921

Salvation Army

813-226-0055

DISASTER SUPPLIES KIT

One of the most important tools for emergency preparedness is the Disaster Supplies Kit. Following are the most important items for your kit. Stock up today and replenish as necessary.

- Two weeks supply of prescription medicines
- Two weeks supply of non-perishable/special dietary foods
- Drinking water/containers—3 gal. per person
- Flashlights and 7 sets of batteries for each family member
- Portable radio and 7 sets of batteries
- First aid kit including bandages, antiseptic, pain reliever, and anti-diarrhea medication
- Mosquito repellent
- Two coolers (one to keep food; one to go get ice)
- Plastic tarp, tools, screening, and nails
- Water purification kit (tablets, chlorine [plain], or iodine)
- Infant necessities (medicine, water, diapers, ready formula, bottles)
- Clean-up supplies (mop, buckets, towels, disinfectant)
- Camera and film
- Non-electric can opener

- Extra batteries for camera, flashlights, radio, portable TV and lamps, etc.
- Plastic trash bags
- Toilet paper, paper towels, and pre-moistened towelettes

If you evacuate you also should take:

- Pillows, blankets, sleeping bags, or air mattresses
- Extra clothing, shoes, glasses, etc.
- Folding chairs, lawn chairs, or cots
- Personal hygiene items such as toothbrush, comb, and deodorant
- Quiet games, books, playing cards, and favorite toys for kids
- Important papers (driver's license, medical info, insurance policies, and property inventory)

Precious commodities after a storm:

- Cash (With no power, banks and ATMs may be closed, checks and credit cards unaccepted)
- Charcoal, matches, and grill
- Ice
- Non-electric (corded) phone

THUNDERSTORMS, LIGHTNING, & TORNADOES

Along the Gulf Coast, most thunderstorms occur during the afternoon. Thunderstorms affect relatively small areas when compared with hurricanes and winter storms. The typical thunderstorm is 15 miles in diameter and lasts an average of 30 minutes. Despite their small size, thunderstorms can be dangerous.

Every thunderstorm produces lightning, which kills more people than tornadoes. Heavy rain can lead to flooding. Strong winds and tornadoes are also dangers associated with some thunderstorms. **Straight-line Winds** are responsible for most thunderstorm wind damage. A small area of rapidly descending air beneath a thunderstorm can cause damaging winds in excess of 100 mph. One type of straight-line wind, the **downburst**, can cause as much damage as a strong tornado.

LIGHTNING SAFETY

Your chances of being struck by lightning are one in 600,000 but can be reduced by following safety rules. Most lightning deaths and injuries occur when people are caught outdoors. Just remember: Lightning can strike anywhere! **Remember**—Check the weather forecast before leaving for extended periods outdoors and watch for signs of approaching storms.

- Postpone outdoor activities if thunderstorms are imminent.
- If you can hear thunder, seek shelter. Move to a sturdy building or car.
- Do not take shelter in small sheds, under isolated trees, or in a convertible.
- Get out of boats and away from water. Do not stay in the pool or take a bath/shower.
- Do not use electrical appliances or the telephone unless it is cordless.

If you feel your skin tingle or your hair stand on end, squat low to the ground on the balls of your feet. Place your hands on your knees with your head between them. Make yourself the smallest target possible and minimize your contact with the ground.

TORNADO SAFETY

A tornado is defined as a violently rotating column of air extending from a thunderstorm to the ground. The most violent tornadoes are capable of tremendous destruction with wind speeds of 250 mph or more. Florida is #1 in number of tornadoes per square mile. Most are weak; however, strong ones do occur. Tampa Bay averages 23 tornadoes yearly. The average wind speed of a west central Florida tornado is 67 mph.

If a **Tornado Warning** is issued or if threatening weather approaches:

- Move to your **safe room**—an interior room or hallway on the lowest floor or basement and, if possible, get under a heavy piece of furniture.
- Stay away from windows, skylights, or glass doors.
- Get out of automobiles. Do not try to outrun a tornado in your car; instead, leave the car immediately.
- If caught outside, lie flat in a nearby ditch or depression.
- Mobile homes, even if tied down, offer little protection from tornadoes and residents should seek shelter in a more substantial building.
- Occasionally, tornadoes develop so rapidly that advance warning is not possible. Remain alert. Flying debris from tornadoes causes most deaths and injuries.

FRESHWATER FLOODING

While flooding does result from hurricanes, flooding can also occur during winter storms and prolonged summer thunderstorm activity.

1. Know Your Risk! Contact your insurance agent to determine if you live in the 100-year or 500-year flood plain. If you do, purchase flood insurance! Your homeowner's policy does not cover flood damage!

2. Your Disaster Supplies Kit

See above for a list of emergency supplies.

3. Flood Warning

Here are protective common-sense measures to take:

- Move valuable objects higher. Place them on shelves, tables and counter tops.
- Fuel your vehicle and check oil/water.

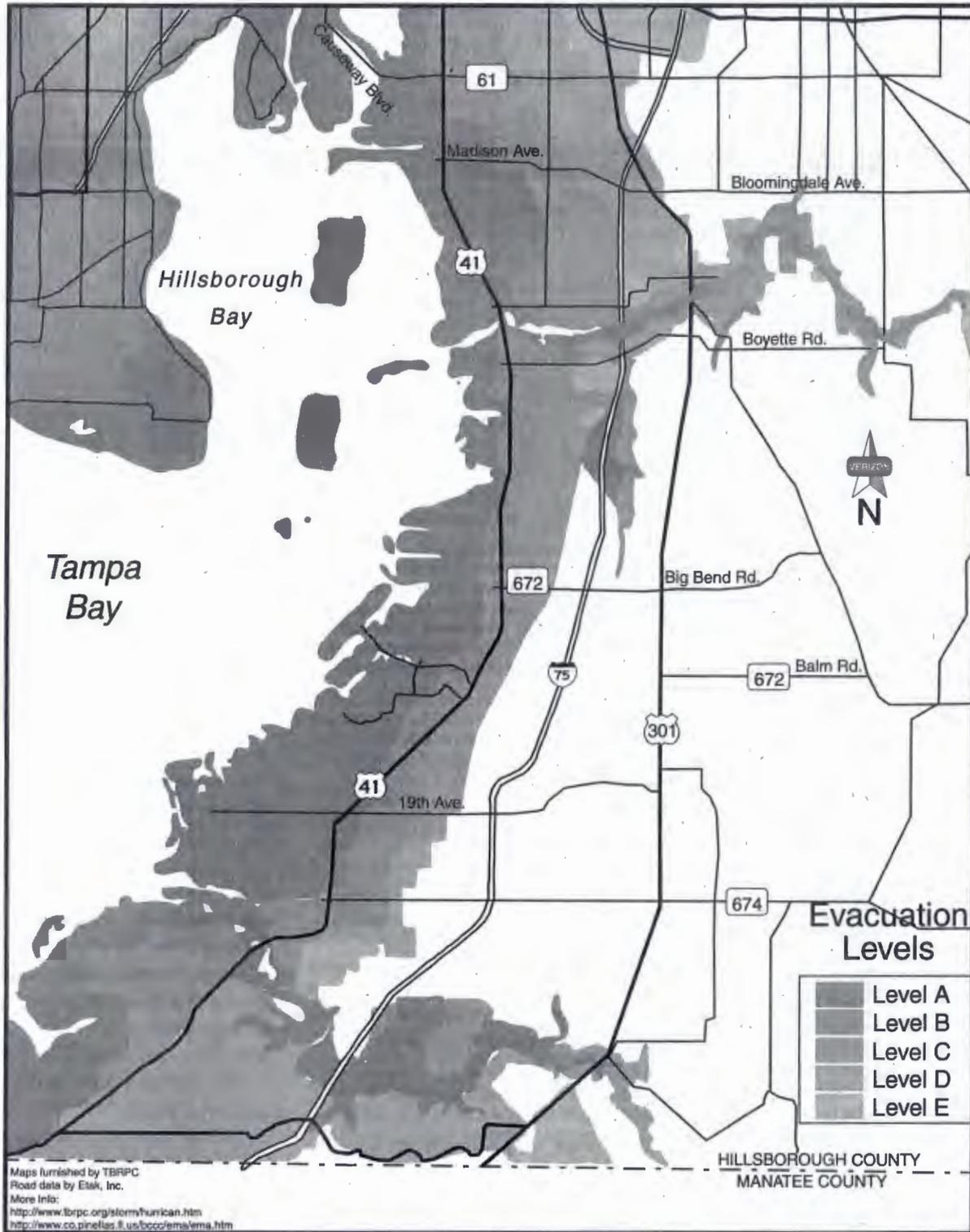
4. During The Flood Stage

- Stay on higher ground.
- Do not drive on a flooded road!
- Don't wade in water above your knees.

5. After The Flood

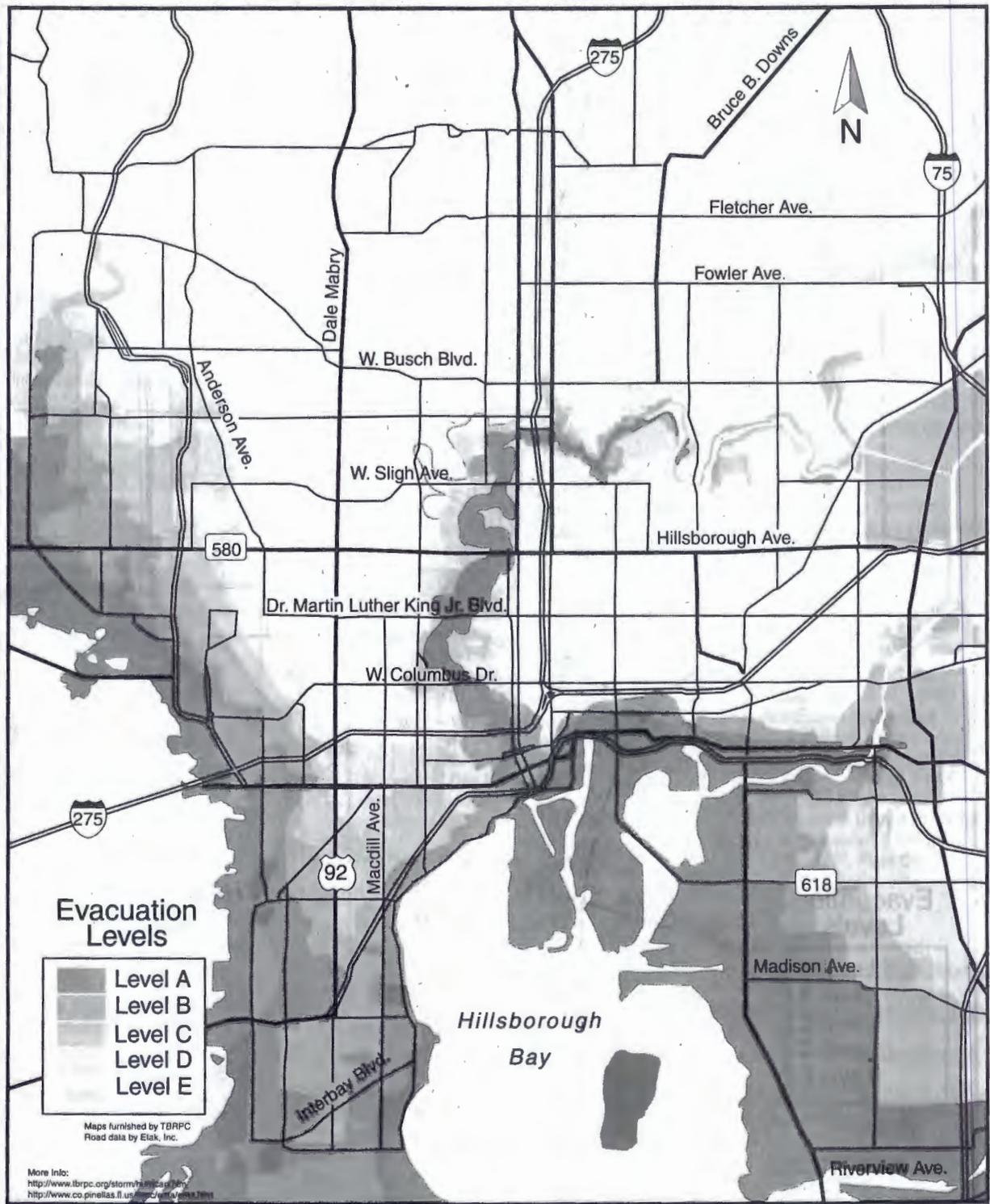
- Do not eat food that has come into contact with flood water. Use your non-perishable food.
- Drink only bottled or previously stored water.
- Stay away from disaster areas.
- Do not handle live electrical equipment and report downed power lines.
- Keep tuned to local stations for emergency information.

South Hillsborough County Hurricane Evacuation Zones

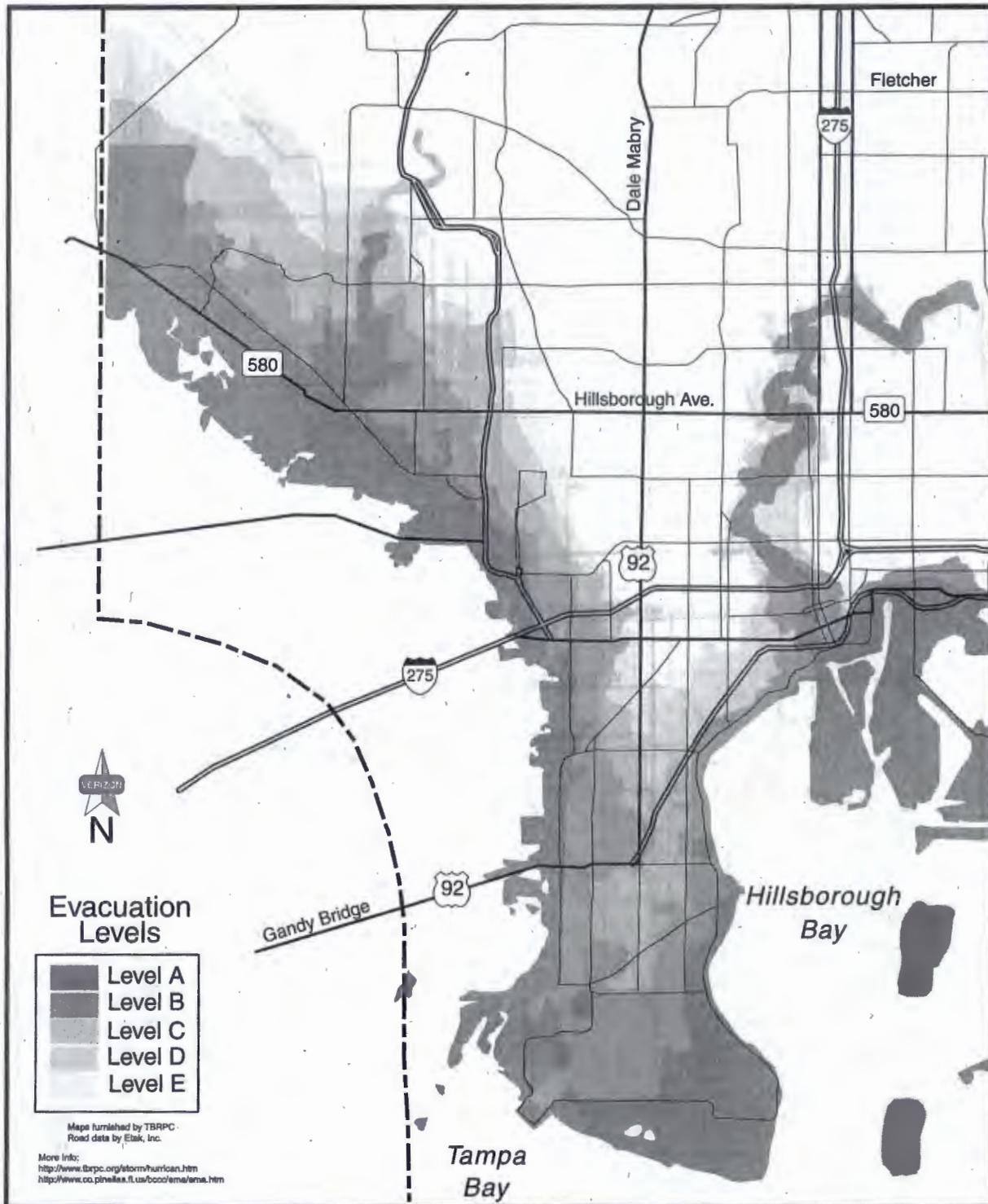




North Hillsborough County Hurricane Evacuation Zones



West Hillsborough County Hurricane Evacuation Zones





YOUR FLOOD HAZARD RISK

You are receiving this informational flyer as part of a public safety education campaign by Hillsborough County. The flyer is sent to all addresses that have at least some portion of their property within the County's high-risk flood hazard zone. The outreach mailing list is based on the current flood hazard maps, which took effect on August 28, 208. You can view the updated maps online by going to the County's website at www.HillsboroughCounty.org/FloodMaps.

Even if your structure has been removed through a Letter of Map Revision or Letter of Map Amendment, it is still possible that parts of your property could be damaged or the access roads for your area could be submerged in an extreme weather event. Therefore, you should review the information and phone numbers in case they are needed.

Furthermore, this flyer is part of the County's floodplain management activities. These activities are reviewed on an annual basis through the National Flood Insurance Program and result in residents receiving discounted flood insurance rates. Currently, the County is within the top 3% of municipalities in the nation for aggressive floodplain activities. Residents within the unincorporated county receive greater than \$5 million dollars combined in discounts annually on their flood insurance rates due to these efforts.

1



FLOOD INSURANCE

Flood insurance protects you from the financial devastation caused by floods. Even a few inches of water can bring thousands of dollars in repair and restoration costs. Most homeowners insurance does not cover floods. You need flood insurance, which is available through the federally-underwritten National Flood Insurance Program.

Flood insurance, like earthquake insurance, is "single peril" insurance, sold separately from homeowners insurance. Flood insurance protects against losses to buildings and their contents, not the land surrounding them. The coverage applies whether the flooding results from heavy or prolonged rains, coastal storm surge, blocked storm drainage systems, levee or dam failure, or other causes. To be designated a flood, the waters must cover at least two acres or affect at least two properties. However, a flood claim may be requested any time a structure is affected by rising water.

Flood insurance is available both within and outside of the high-risk flood zone. Your property's flood risk is shown on the County's flood hazard maps, which is located on the website listed in this brochure. Different types of policies are available depending on your flood risk. You will need to ask your insurance agent for more information. An agent locator is available online at www.floodsmart.gov.

If you own property with a structure in the high-risk flood area, you will most likely need a flood insurance policy. Most mortgage lenders will require that you have such a policy as part of your loan agreement.

If your structure was built prior to 1980, it is considered Pre-FIRM (Pre-Flood Insurance Rate Map construction) and follows a specific pricing schedule. Keep in mind that your Pre-FIRM structure may have received a grandfather status or may benefit from a grandfathering status, which might lower your costs. However, the U.S. Congress has changed the subsidies under the program, which may affect your Federal flood insurance rates. For more information about changes made by congress, please go to the National flood Insurance Program's (NFIP) website: www.fema.gov/flood-insurance-reform-act-2012.

2



Remember, though, that if your Pre-FIRM structure is currently grandfathered, you will need to maintain continuous coverage in order to keep your lower insurance cost. If your structure was built after June 18, 1980, your structure is considered Post-FIRM with a different pricing schedule. Information about grandfathering and other flood insurance topics is also available on the NFIP website listed on page 2.

Flood insurance covers both homes and businesses. With residential coverage, you can buy up to \$2,500,000 of insurance to protect your structure and up to \$100,000 to protect its contents. If you are located in a high-risk area, federally regulated or insured lenders will require you to have flood insurance for the amount remaining on your mortgage, or \$250,000, whichever is lower.

Outside of high-risk areas, flood insurance is also available, usually at lower cost. A Preferred Risk Policy covers both a home and its contents, with premiums as low as \$129 per year. While you're not federally required to have flood insurance in a low-to-moderate risk area, that does not mean you won't ever need it. Large floods often extend beyond the boundaries of high-risk areas, and smaller floods occur outside high-risk areas as well. In fact, a quarter of all flood insurance claims come from low-to-moderate risk areas.

Also remember that most policies take 30 days to become effective before they can be used. More information about flood insurance is available by going online to www.floodsmart.gov.

Hillsborough County is a Class 5 Community (top 3% nationally) within the Community Rating System. This provides residents with high-risk flood policies a 25% discount and standard low-risk policies a 10% discount. There are no additional reductions for Preferred-Risk Policies which are already discounted.

Updated September 2013

3



IMPORTANT NUMBERS AND ADDRESSES

Hillsborough County Hazard Mitigation Program
County Center, 22nd Floor, 601 E. Kennedy Blvd., Tampa, Florida 33602

For Hillsborough County:
Hazard Mitigation Program 813-307-4541
Development Services 813-272-5600
Storm Sewer Problems 813-635-5400

For City of Tampa:
Stormwater Operations 813-622-1901
Construction Service Center 813-274-3100

For City of Temple Terrace: 813-506-6570

For City of Plant City: 813-659-4200

FLOOD MAP WEBSITE

For more information on the County's flood maps, repetitive flood loss areas, flood insurance, and general tips on flood safety, visit:

www.HillsboroughCounty.org/FloodMaps. For information on evacuation zones and risk to storm surge, visit: www.HillsboroughCounty.org/Emergency and select "2013 Hurricane Season", then "The Hurricane Evacuation Assessment Tool (HEAT)" link.

NOTE: If you have received this publication in error or have had your structure officially removed from the high-risk flood hazard area by way of a Letter of Map Revision or Letter of Map Amendment, please disregard mandatory insurance information, but retain for future flooding and safety issues. Note that being mapped out of a high-risk area does not remove the risk for flooding. It is only reduced.

Si usted necesita información en Español, favor de llamar a la Línea de Información del Condado de Hillsborough al 813-272-5900.

QUESTIONS ABOUT OTHER COUNTY SERVICES?

Call the Hillsborough InfoLine at 813-272-5900.

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Public Works Department
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Tampa, FL 33601
Hillsborough County
Permit 106



Not 33P
F.P. residents



TYPES OF FLOODING

While flooding can occur anytime and anywhere when heavy or steady rain occurs, Hillsborough County's flooding can generally be categorized as "coastal," "inland," and "riverine" flooding.

- **Coastal flooding** is typical in South County areas, such as Apollo Beach, Ruskin, and west of US Hwy. 41. Parts of Town 'N Country (south of Memorial Hwy.) are also subject to this kind of flooding. Often, this flooding is associated with a tropical storm and includes damaging waves.
- **Inland flooding** occurs when lakes rise above normal levels or when depressions in the land are filled with rain and create "ponds." Development is also partially to blame, as natural surfaces are paved and do not allow for water absorption into the ground at the normal rate. Hillsborough County does require developers to account for this as directed by the Land Development Code and the Stormwater Technical Manual. Areas in the Northwest portion of the County near Odessa and in Lutz are frequently subject to this kind of flooding.
- **Riverine flooding** is often caused by flooding of rivers over their banks. Also, abnormally high tides



in the Bay can reduce the ability of streams and rivers to discharge, causing them to overflow. Areas along the Hillsborough, Alafia and Little Manatee Rivers suffer recurring losses due to this hazard.

There are repetitive flood-loss properties within the areas listed in the column to the left. A map showing areas of repetitive losses is available for review at the John F. Germany Library in downtown Tampa or at www.HillsboroughCounty.org/FloodMaps.

PROPERTY PROTECTION MEASURES

The following methods may assist in protecting your home:

- You can divert water from your property by regrading or by constructing an earthen berm. The construction of swales (a shallow ditch) and retention areas (small, shallow depressions) are other alternatives. These methods may require permits and should be discussed with design professionals in the County's Development Services Department at 813-272-5920.
- In extreme weather events, you may need to use sandbagging in conjunction with other materials to seal openings and cracks. Listen to see which local government facilities are providing this service during emergencies.
- If roof drainage from your home is causing a problem, gutters can help direct the runoff away from your house.

The County Hazard Mitigation Program also has copies of (or can provide access to) design publications that may assist in floodproofing and repairing your home or business. You also may request a staff member visit your property for further information on retrofitting, remodeling and other topics.

Contact the Hazard Mitigation Program by calling 813-307-4541 or visiting them at the address listed in the back of this publication.

FLOODPLAIN PERMIT REQUIREMENTS FOR DEVELOPMENT AND SUBSTANTIAL IMPROVEMENTS TO STRUCTURES

The purpose of the Flood Damage Control Regulations of the Hillsborough County Land Development Code and the Construction Code are to restrict or prohibit uses and/or construction that are dangerous to health, safety, property and the general welfare due to increases in erosion, flood heights or fast-flowing water.

New construction or substantial improvement of any residential structure in the special flood hazard area is required to have the lowest floor elevated to or above the Base Flood Elevation, plus a feeboard requirement of no less than six (6) inches and may be up to three (3) feet depending on the building's designated risk category.

An elevation certificate that is prepared, signed and sealed by a registered land surveyor will be required. If needed, copies of elevation certificates for structures built after 1991 that were permitted in the high-risk flood zone may be available at the phone number below. Please note, earlier elevation certificates do not have all the information required to get a new Federal flood insurance policy, and may not be sufficient if requested. Therefore, a certified surveyor will need to complete a new elevation certificate.

Development in a Coastal High Hazard Area or a Floodway is also regulated by the codes mentioned above. Additional criteria will be required to be met for any new construction or substantial improvements in these areas.

Blank elevation certificates and flood zone determinations are available through the Building Services Division. Please call 813-307-4441 for more information.



DRAINAGE REQUIREMENTS

One way to reduce flooding around your property is to ensure that water drains correctly. Here are some tips on improving drainage:

- Do not place any debris – lawn trash or otherwise – in stormwater inlets, ditches, or other waterways. Dumping into the drainage system can easily create blockages that result in flooding during a severe rain – the house you flood may be your own!

Also, it is a violation of the Hillsborough County Environmental Protection Commission (EPC) Waste Management Rule 1-7 and Stormwater Ordinance 94-15 to dump anything into any public drainage system. Contact the EPC at 813-627-2600 if you witness a problem with dumping.

- Always check with Development Services Department's Natural Resources Section at 813-272-5920 before you make changes, such as grading, filling or construction on your property.

FLOOD SAFETY & INFORMATION

Stay away from flood waters! The number one cause of death during floods is drowning. High water often conceals storm drain inlets and the depth of ditches.

Driving in Flooded Areas

More people drown in their cars than anywhere else. Drive around flooded intersections or choose another route. Water depths of 6 to 10 inches are enough to ruin an engine and carry away your car (in fast-moving flood waters).



Danger Of Electricity

Do not approach electrical lines and never use electrical equipment or appliances that are wet! Remember to turn off your electricity, check for gas leaks, be alert for animals, and watch your step for hidden hazards.

Flood Emergencies

If you have a flooding emergency or drainage problem on your property or nearby road, call the County's Public Works Department at 813-635-5400 for help.

If maintenance of a County-owned drainage system is required, they can handle it. If the system is not maintained by the County, they can refer it for further investigation. They can also explain ways to reduce the chance of flooding and prevent damage on your property.

There is also extensive emergency information in free "Hurricane Guides" provided to the public, which are typically available June through November at County facilities and other locations, such as post offices.

FUNCTION OF FLOODPLAINS AND WETLANDS

Although much of this brochure talks about the concerns surrounding our County's floodplains, they also serve a positive function in our environment. These areas are necessary to receive, store and discharge water runoff, and help refill our groundwater supply. They also



provide a place to filter pollutants and nutrients out of water, and buffer the land from hurricane and tidal storm surges.

Because of the benefits of floodplain areas and wetlands, there are several government efforts to protect them. The Environmental Protection Commission of Hillsborough County implements and enforces wetland protection and mitigation rules, which includes reviewing rezoning requests to decide if they will impact wetlands, requiring mitigation of destroyed wetlands and repair of affected wetlands. County residents also voted in 1987 to pay a half-mill on their property taxes to purchase environmentally-significant land in Hillsborough County through the Environmental Lands Acquisition and Protection Program (ELAPP). Since its inception, ELAPP has preserved more than 60,490 acres of land.

Additionally, with assistance from FEMA, the County's floodplain management program has purchased land from residents that was repetitively flooded in order to return the properties to a natural state. This program reduces the County's liability because it no longer needs to assist homeowners when their properties flood.

All of these floodplain and wetland management programs also lower the cost of flood insurance for County residents, because the National Flood Insurance Program gives discounts to communities that undertake activities to reduce their flooding risk.

FLOODPLAIN MANAGEMENT PLAN

For more information about the County's Floodplain Management Plan, go to: www.HillsboroughCounty.org/FloodMaps.

If you would like to provide input on better ways for the County to assist you with flood protection, a comment form also is available on the website listed above. We appreciate your help and your comments.

HC_parcels_in_Flood_Zone

FOLIO	OWNER	ADDR_1	ADDR_2	CITY	STATE	ZIP	SITE_CITY	SITE_ZIP	ACREAGE	MARKET_VAL	RLS
0515120000	SCHOOL BOARD OF HILLSBOROUGH COUNTY	EAST BAY & EISENHOWER	901 E KENNEDY BLVD	TAMPA	FL	33602-3597	GIBSONTOWN	33534	107.14000000	15724469.00000	OUT
0880801036	FISHHAWK RANCH TRACT B OWNERS ASSOCIATION INC	1137 MARBELLA PLAZA DR		TAMPA	FL	33619-7905	LUTZIA	33547	0.85000000	100.00000	OUT
0125800110	JOSE M AND SANDRA L ABREU	19818 DEER HOLLOW LN		LUTZ	FL	33548-7400	LUTZ	33548	0.48000000	188105.00000	OUT
0129252000	HERITAGE HARBOR CDD	C/O GREENACRE PROPERTIES INC	4131 GUNN HWY	TAMPA	FL	33618-8725	LUTZ	33558	31.36000000	1167224.00000	OUT
0329490200	SISU-LUTZ LLC	1680 LONG BOW LN		CLEARWATER	FL	33764-6464	LUTZ	33559	9.75000000	718683.00000	OUT
0126450050	ROY NICHLAS GERACI JR	PO BOX 510		LUTZ	FL	33548-0510	LUTZ	33558	27.58000000	1333831.00000	OUT
0122010000	CHARLES ALAN AND GLORIA BLISS	604 LIGHTSEY LN		LUTZ	FL	33548-4268	LUTZ	33549	0.85000000	191406.00000	OUT
0124910000	JOHN M AND VICKI KENNEDY/ TRUSTEES	1822 CURRY RD		LUTZ	FL	33549-3704	LUTZ	33558	0.15000000	13500.00000	OUT
0124130000	MARIO A NALES	19916 DEER LAKE RD		LUTZ	FL	33548-4293	LUTZ	33548	1.25000000	101520.00000	OUT
0124950000	ELAINE C GUERRA AND STEVEN P KOURIS	19913 READING RD		LUTZ	FL	33558-5006	LUTZ	33558	0.48000000	165049.00000	OUT
0125010000	JUDITH L AND CHARLES REESE	19907 READING RD		LUTZ	FL	33558-5006	LUTZ	33558	0.81000000	170805.00000	OUT
0125815054	WAYNE J FERNANDEZ	20011 HOLLY LAKE PL		LUTZ	FL	33558-5030	LUTZ	33558	0.49000000	162681.00000	OUT
0021500100	VINCENT AND MITZI L TESTAVERDE	17122 GUNN HWY		ODESSA	FL	33556-1909	ODESSA	33556	6.09000000	3132000.00000	OUT
0248400050	REYNEE A AND MARGARITA N DOMINGUEZ	7201 HODGEWOOD CT		TAMPA	FL	33614-3411	TAMPA	33614	2.03000000	393442.00000	OUT
0893000000	INSPIRIUM LLC	18106 LATIMER LN		TAMPA	FL	33647-2868	PLANT CITY	33565	13.49000000	122446.00000	OUT
0528463020	FEDERAL NATIONAL MORTGAGE ASSOCIATION	3900 WISCONSIN AVE NW		WASHINGTON	DC	20016-2892	APOLLO BEACH	33572	0.01000000	73311.00000	OUT

Activity 360 – Outreach within OPS and Additional Outreach (OPA) to the Community

The County already has an Outreach Strategy which will substitute for OPA's as far as credit points are concerned. However, these additional items are being included to show some of the additional activities that the County is involved in to make sure that flood information is available for all residents and people that do business in Hillsborough County. Attached are some articles from flood related subjects, such as the following:

- County newsletters
- Websites
- Town Hall meetings, where the Hazard Mitigation Section runs a booth
- Articles from local newspapers
- Video that runs throughout the summer on the local government television station

COMMUNITY RATING SYSTEM TRACKING AND
PUBLIC INFORMATION LOG

Staff Member: *Andrew Wilson*

Date: *7-29-13*

Agency: DS BSD HM

CONTACT INFORMATION				ACTIONS/COMMENTS			PROGRAM TYPE					
Name	Phone	Contact Code	Info. Distr. Code	Address	Folio/STR	Special Hazards/Precautions, Comments, Resolution, Followup, Site Info. . . .	Fl. Ins. Given Y/N	Panel & Suffix	BFE DFE	DFIRM - FIRM Zone	CBRA or CA	Prog. Desc.
<i>Country</i>	<i>✓</i>	<i>E</i>		<i>1905 Jordon Rd.</i>			<i>X</i>	<i>405H</i>	<i>45</i>	<i>AE</i>		
<i>ROSA</i>				<i>12936 Aore Rd</i>	<i>81623.0000</i>	<i>RG B38727</i>				<i>X</i>		
<i>Aline</i>	<i>✓</i>											
<i>ROSA</i>						<i>file w/ copy</i> <i>PAL 16.868 - Aore</i>						

TOTAL Count this Page:

10 ROWS PER PAGE

Page of for this date

Notes:	
H Handout given	NA Not applicable
V Verbal information given	SS Suspect soils
E Email sent	CBRA Coastal Barrier Resource Area
SV Site visit	CA Coastal A or AE Zone
FAX Facsimile sent/received	H Unkn.
WI Walk-in	Elevations in NAVD 88; unless, otherwise noted.

Improved Drinking Water On Tap In South-Central



It may look like just a jumble of pipes, but this actually is a high-tech facility that is making a difference in drinking water quality for residents in the South-Central service area.

County water customers in south-central Hillsborough are receiving higher quality water thanks to a new hydrogen sulfide removal facility at the Lithia Water Treatment Plant.

A new ozone process is removing hydrogen sulfide and its characteristic rotten egg smell from groundwater supplied to the plant. Ozone is a safe, affordable and efficient method used to disinfect water and improve taste and odor in treatment plants all over the world.

In addition to noticing improved odor and taste, some residents in the South-Central service area may also notice that their tap water occasionally appears cloudy white due to tiny oxygen bubbles. The water is safe to drink; the oxygen bubbles dissipate after the water sits for a few minutes.

Tampa Bay Water constructed the new hydrogen sulfide removal facility, which replaces a 20-year-old system. The construction and property acquisition cost was approximately \$34.7 million and was funded through construction bonds and Tampa Bay Water's wholesale water rate.

Hillsborough County made several modifications at the Lithia plant in order to integrate the new ozone treatment process into daily operations. These included reconfiguring chemical feed systems and related piping, upgrading chemical analyzers and controls, and constructing a new segment for the pipeline which brings water into the plant from Tampa Bay Water's regional system.



Affordable And Fun Afterschool Program For Children In Grades K-5

Online registration is now open for the Rec2Six afterschool program for children in grades K-5. Registration

is only \$76 per two-week period. Discounts are available.

Registration for the Rec2Six program is available at these recreation centers:

- Brandon - 813-635-8179
- Mango - 813-635-7489
- Northdale - 813-269-1366
- Roy Haynes - 813-903-3480
- Ruskin - 813-672-7881
- Thonotosassa - 813-987-6206
- Westchase - 813-964-2948
- Winston - 813-744-5539

For more information, contact one of the above centers, or visit www.rec2six.org.



Are You In A Special Flood Hazard Area?

Hillsborough County residents and businesses may easily find out if their property is in the Special Flood Hazard Area by checking the County's website at www.HillsboroughCounty.org/FloodMaps. Additional information on Flood Insurance Rate Maps, flood protection, special rates, and flood insurance is also available on the County's website in the Natural Hazard Planning section. To speak to someone, call the Building Services division at 813-307-4441, which also has copies of FEMA elevation certificates for all buildings constructed in Special Flood Hazard Areas since 1992.

Safety Is Tops At Water, Wastewater Plants

The Hillsborough County Public Utilities Department has received commendations for safety programs at its water and wastewater treatment plants from the Florida Water & Pollution Control Operators Association.

The commendations recognized leadership, promotion of, service and performance in safety programs for 2012. Public Utilities is committed to safety at its seven wastewater plants and four water plants with a formal program that includes training, procedures and policies.

Resource Recovery Facility Generating Carbon Offset Credits

Hillsborough County's Resource Recovery Facility is now generating carbon offset credits that are available for purchase on the voluntary market.

The credits represent verified reductions in net greenhouse gas emissions achieved by generating renewable energy-from-waste at the Resource Recovery Facility. The facility, located at 350 Falkenburg Road, processes up to 1,800 tons of solid waste a day, generating up to 46.5 megawatts of electricity - enough to power approximately 30,000 homes.

A carbon credit corresponds to one metric ton of carbon dioxide equivalent removed, avoided or displaced from the environment. Carbon credits can be purchased or sold between companies, industries, governments and others to meet compliance with carbon emission allowances. There are two types of markets: voluntary and compliance. Each type adheres to a particular standard or certification. Voluntary credits are purchased by companies and organizations interested in voluntarily reducing greenhouse gases.

Hillsborough County is partnering with Covanta, which is contracted by the County to operate the facility, to sell the carbon credits. According to Covanta, Hillsborough's facility is only the second waste-to-energy plant in the U.S. to produce carbon offset credits for the voluntary market.



October "To Do" List: Adopt A New Pal

October is National Adopt-a-Dog Month, and Hillsborough County Animal Services has hundreds of tail-wagging candidates waiting to be your best friend. All adoptables come spayed/neutered, vaccinated, licensed, and microchipped. The shelter also features fabulous felines. The shelter, located at 440 N. Falkenburg Road, is open daily from 10 a.m. until 7 p.m. for adoptions and lost pet search.

For more information, visit the Animal Service web page at www.HillsboroughCounty.org/AnimalServices.





New Economic Development Initiative Accepting Applications For Second Round Of Funding

Hillsborough County launched the Economic Development Innovation Initiative (EDI2) program this summer and has already funded more than \$300,000 for the first cycle. Applications for the next funding period are available online and are due by Nov. 15.



EDI2 is a comprehensive program created through Hillsborough County's Economic Development Department. It is the first of its kind in Florida that is focused on building a vibrant and sustainable startup community. The program is aimed at promoting a culture that retains and attracts individuals and companies centered on the use of technology and innovation.

Who should apply for funding? Organizations which are producing events or programs that boost the innovation, entrepreneurial and/or technology ecosystem in Hillsborough County.

The \$2 million in funding that has been made available for the program will be distributed over three years. Applications and additional program information are available at www.HillsboroughCounty.org/EDI2.

LOCK IT UP!

Auto Burglary Prevention Tips

With the holidays fast approaching, the Hillsborough County Sheriff's Office offers these tips for making sure your valuables and new purchases stay in your hands:



- Close your windows and lock your doors in your driveway or in a parking lot, every time.
- Do not leave valuables in plain sight in your car. Lock them in the trunk.
- Park where your car will be frequently and easily seen.
- Park in well-lit areas where possible.
- Install and use a car alarm.
- Never leave your vehicle unattended while the engine is running, even if only for a minute. This is state law.
- If possible, park in a garage with the door secured

Watering Restrictions Reminder

Irrigation of established lawns and landscaping is allowed two days a week in Hillsborough County. Take note, however, that restrictions could change if weather conditions warrant. It's always a good idea to check regularly – a citation means a penalty starting at \$100 for the first offense.

For complete information on the restrictions, including rules for watering-in of lawn treatments and new sod, visit www.hillsboroughcounty.org/water, call 813-275-7094 for a recorded message, or contact the Water Conservation Team at 813-272-5977, ext. 43991, during regular business hours.

In unincorporated Hillsborough County and the City of Tampa, the current watering schedule is:

- **Addresses ending in 0, 1, 2 or 3** - Mondays and Thursdays.
- **Addresses ending in 4, 5 or 6** - Tuesdays and Fridays.
- **Addresses ending in 7, 8 or 9**, locations with no address, and locations with mixed addresses (such as office complexes and shopping centers) - Wednesdays and Saturdays.

All watering must be done before 8 a.m. or after 6 p.m.

If you have friends or family members who have their own wells, do them a favor and let them know that the restrictions apply to most water sources, including private wells, and ponds or lakes that are used as alternate irrigation supplies.



COMMUNICATOR

Published quarterly by the Public Utilities Department. For more information about programs, services and activities of Hillsborough County government, visit: www.hillsboroughcounty.org

BOARD OF COUNTY COMMISSIONERS

Kevin Beckner
Victor D. Crist
Ken Hagan
Al Haganbotham

Lesley "Les" Miller, Jr.
Sandra L. Murman
Mark Sharpe

COMMUNICATOR

Important Reminders About New Collection

Automated collection of garbage and recycling is under way in the Hillsborough County Solid Waste service area, but we're finding that residents still have questions on certain topics.

Everything Must Fit Inside The Carts – Items left outside the carts cannot be picked up by the robotic arm on a collection vehicle. Take bulky trash to a Community Collection Center at no charge, or call your service provider for a special pickup for a fee.



Three-Foot Rule – Keep the carts at least 3 feet away from other carts, mailboxes, cars, trees, shrubs, fire hydrants and utility poles.

Expanded Recycling Program – The new, BLUE, all-in-one recycling cart means an end to sorting recyclables and lifting heavy bins. More items can go

into the carts, too. All plastics labeled No. 1 through 7 on the bottom, grocery and shopping bags, plastic film (cereal box liners, storage bags), and aseptic and gable top cartons can be recycled. Bundle up loose plastic bags, plastic packaging and plastic film into a single bag, and tie securely, before placing in the cart. Toss all other recyclables into the cart without bagging.

Cart Swap-Out Period – Residents are asked to give the roll carts a "test drive" through the holidays, when many households generate more trash. After that, if a different size cart is more practical, contact your service provider between Jan. 15 and March 15 for a free exchange. After March 15, it will cost \$30 for a different size. For cart dimensions, see the FAQs on the Talk Trash website, www.HillsboroughCounty.org/TalkTrash, or call 813-272-5680.

Her dog days are good days

Abandoned, abused and displaced dogs have a refuge at the home of **Sue Brown**, a power trader with



Tampa Electric's Wholesale Marketing & Sales team. Brown volunteers with Dogma, a nonprofit organization that finds foster homes for dogs

until they go to new owners.

When she places dogs in permanent homes, Brown looks for potential owners who are elderly, in recovery, alone or who could otherwise benefit from the dogs as therapy. The spayed, neutered, heartworm-tested and vaccinated dogs that Dogma works with receive microchips to help ensure their continued safety.

"When 60 percent of dogs that enter typical animal shelters are euthanized, there's a great need for ways to help them," Brown said. "That they're often able to provide effective therapy is just one reason why it's so rewarding to see them placed in their forever homes."

COMMUNITY

The 2013 Florida Strawberry Festival

"Our Masterpiece of Fun" is the theme for the 78th annual Florida Strawberry Festival, Feb. 28-March 10 in Plant City. For details on ticket prices, special days and discounts, ride specials and event schedules and to review the 2013 star-studded headline entertainment lineup, visit flstrawberryfestival.com or call **813-752-9194**. Discount admission tickets are \$8 for adults and \$4 for children ages 6-12. Children ages five and under are admitted free with paid adult admission. Gate admission tickets, as well as headline entertainment tickets, can be purchased by calling **813-754-1996**.

Hillsborough County flood maps

Hillsborough County residents and businesses can easily find out if their property is in the Special Flood Hazard Area by checking the county's website at hillsboroughcounty.org (click *A-Z Index* and then *Flood Maps*). Additional information on flood insurance rate maps, flood protection, special rules and flood insurance is also available on the National Hazard Planning section of the website. To speak to someone, call **813-307-4441** to

reach the county's Building Services agency, which has copies of Federal Emergency Management Agency elevation certificates for all buildings constructed in Special Flood Hazard Areas since 1992.

Free tax preparation

If you earned \$57,000 or less in 2012, you're eligible for free tax preparation and filing through United Way Suncoast and its partners in the Prosperity Campaign. Trained volunteers at multiple Hillsborough County locations will make sure you get the credits you deserve and e-file your taxes for free. Or do your taxes yourself with free software at myfreetaxes.com/tampa. Call **2-1-1** for the location nearest you or visit unitedwaysuncoast.org/freetaxhelp for locations and details.

Manatee Viewing Center

Your free, family-friendly destination for natural-Florida fun is waiting in Apollo Beach through April 15. Immerse yourself in Florida's natural habitat, learn all about manatees, stop for a snack and much more. Visit tampaelectric.com/manatee or call **813-228-4289**.



YOUR FLOOD HAZARD RISK

You are receiving this informational flyer as part of a public safety education campaign by Hillsborough County. The flyer is sent to all addresses that have at least some portion of their property within the County's high-risk flood hazard zone. The outreach mailing list is based on the current flood hazard maps, which took effect on August 28, 2008. You can view the updated maps online by going to the County's website at www.HillsboroughCounty.org/FloodMaps.

Even if your structure has been removed through a Letter of Map Revision or Letter of Map Amendment, it is still possible that parts of your property could be damaged or the access roads for your area could be submerged in an extreme weather event. Therefore, you should review the information and phone numbers in case they are needed.

Furthermore, this flyer is part of the County's floodplain management activities. These activities are reviewed on an annual basis through the National Flood Insurance Program and result in residents receiving discounted flood insurance rates. Currently, the County is within the top 3% of municipalities in the nation for aggressive floodplain activities. Residents within the unincorporated county receive greater than \$5 million dollars combined in discounts annually on their flood insurance rates due to these efforts.

1



FLOOD INSURANCE

Flood insurance protects you from the financial devastation caused by floods. Even a few inches of water can bring thousands of dollars in repair and restoration costs. Most homeowners insurance does not cover floods. You need flood insurance, which is available through the federally-underwritten National Flood Insurance Program.

Flood insurance, like earthquake insurance, is "single peril" insurance, sold separately from homeowners insurance. Flood insurance protects against losses to buildings and their contents, not the land surrounding them. The coverage applies whether the flooding results from heavy or prolonged rains, coastal storm surge, blocked storm drainage systems, levee or dam failure, or other causes. To be designated a flood, the waters must cover at least two acres or affect at least two properties. However, a flood claim may be requested any time a structure is affected by rising water.

Flood insurance is available both within and outside of the high-risk flood zone. Your property's flood risk is shown on the County's flood hazard maps, which is located on the website listed in this brochure. Different types of policies are available depending on your flood risk. You will need to ask your insurance agent for more information. An agent locator is available online at www.floodsmart.gov.

If you own property with a structure in the high-risk flood area, you will most likely need a flood insurance policy. Most mortgage lenders will require that you have such a policy as part of your loan agreement.

If your structure was built prior to 1980, it is considered Pre-FIRM (Pre-Flood Insurance Rate Map construction) and follows a specific pricing schedule. Keep in mind that your Pre-FIRM structure may have received a grandfather status or may benefit from a grandfathering status, which might lower your costs. However, the U.S. Congress has changed the subsidies under the program, which may affect your Federal flood insurance rates. For more information about changes made by congress, please go to the National Flood Insurance Program's (NFIP) website: www.fema.gov/flood-insurance-reform-act-2012.

2



Remember, though, that if your Pre-FIRM structure is currently grandfathered, you will need to maintain continuous coverage in order to keep your lower insurance cost. If your structure was built after June 18, 1980, your structure is considered Post-FIRM with a different pricing schedule. Information about grandfathering and other flood insurance topics is also available on the NFIP website listed on page 2.

Flood insurance covers both homes and businesses. With residential coverage, you can buy up to \$250,000 of insurance to protect your structure and up to \$100,000 to protect its contents. If you are located in a high-risk area, federally regulated or insured lenders will require you to have flood insurance for the amount remaining on your mortgage, or \$250,000, whichever is lower.

Outside of high-risk areas, flood insurance is also available, usually at lower cost. A Preferred Risk Policy covers both a home and its contents, with premiums as low as \$129 per year. While you're not federally required to have flood insurance in a low-to-moderate risk area, that does not mean you won't ever need it. Large floods often extend beyond the boundaries of high-risk areas, and smaller floods occur outside high-risk areas as well. In fact, a quarter of all flood insurance claims come from low-to-moderate risk areas.

Also remember that most policies take 30 days to become effective before they can be used. More information about flood insurance is available by going online to www.floodsmart.gov.

Hillsborough County is a Class 5 Community (top 3% nationally) within the Community Rating System. This provides residents with high-risk flood policies a 25% discount and standard low-risk policies a 10% discount. There are no additional reductions for Preferred-Risk Policies which are already discounted.

Updated September 2013

3



IMPORTANT NUMBERS AND ADDRESSES

Hillsborough County Hazard Mitigation Program
County Center, 22nd Floor, 601 E. Kennedy Blvd., Tampa, Florida 33602

For Hillsborough County:
Hazard Mitigation Program 813-307-4541
Development Services 813-272-5600
Storm Sewer Problems 813-635-5400

For City of Tampa:
Stormwater Operations 813-622-1901
Construction Service Center 813-274-3100

For City of Temple Terrace: 813-506-6570

For City of Plant City: 813-659-4200

FLOOD MAP WEBSITE

For more information on the County's flood maps, repetitive flood loss areas, flood insurance, and general tips on flood safety, visit: www.HillsboroughCounty.org/FloodMaps. For information on evacuation zones and risk to storm surge, visit: www.HillsboroughCounty.org/Emergency and select "2013 Hurricane Season", then "The Hurricane Evacuation Assessment Tool (HEAT)" link.

NOTE: If you have received this publication in error or have had your structure officially removed from the High-Risk flood hazard area by way of a Letter of Map Revision or Letter of Map Amendment, please disregard mandatory insurance information, but retain for future flooding and safety issues. Note that being mapped out of a high-risk area does not remove the risk for flooding. It is only reduced.

Si usted necesita información en Español, favor de llamar a la Línea de Información del Condado de Hillsborough al 813-272-5900.

QUESTIONS ABOUT OTHER COUNTY SERVICES?

Call the Hillsborough InfoLine at 813-272-5900.

PRESTO! U.S. POSTAGE PAID TAMPA, FL 33601 Permit No. 295

Hazard Mitigation Program
Information Services
Public Works Department
County Center, 22nd Floor
Tampa, FL 33601



Public Works Department

Hillsborough County

Information For Residents In The High-Risk Flood Zone

300P



TYPES OF FLOODING

While flooding can occur anytime and anywhere when heavy or steady rain occurs, Hillsborough County's flooding can generally be categorized as "coastal," "inland," and "riverine" flooding.

- Coastal flooding is typical in South County areas, such as Apollo Beach, Ruskin, and west of U.S. Hwy. 41. Parts of Town 'N Country (south of Memorial Hwy.) are also subject to this kind of flooding. Often, this flooding is associated with a tropical storm and includes damaging waves.
- Inland flooding occurs when lakes rise above normal levels or when depressions in the land are filled with rain and create "ponds." Development is also partially to blame, as natural surfaces are paved and do not allow for water absorption into the ground at the normal rate. Hillsborough County does require developers to account for this as directed by the Land Development Code and the Stormwater Technical Manual. Areas in the Northwest portion of the County near Odessa and in Lutz are frequently subject to this kind of flooding.
- Riverine flooding is often caused by flooding of rivers over their banks. Also, abnormally high tides



In the Bay can reduce the ability of streams and rivers to discharge, causing them to overflow. Areas along the Hillsborough, Alafia and Little Manatee Rivers suffer recurring losses due to this hazard.

There are repetitive flood-loss properties within the areas listed in the column to the left. A map showing areas of repetitive losses is available for review at the John F. Germany Library in downtown Tampa or at www.HillsboroughCounty.org/FloodMaps.

PROPERTY PROTECTION MEASURES

The following methods may assist in protecting your home:

- You can divert water from your property by regrading or by constructing an earthen berm. The construction of swales (a shallow ditch) and retention areas (small, shallow depressions) are other alternatives. These methods may require permits and should be discussed with design professionals in the County's Development Services Department at 813-272-5920.
- In extreme weather events, you may need to use sandbagging in conjunction with other materials to seal openings and cracks. Listen to see which local government facilities are providing this service during emergencies.
- If roof drainage from your home is causing a problem, gutters can help direct the runoff away from your house.

The County Hazard Mitigation Program also has copies of (or can provide access to) design publications that may assist in floodproofing and repairing your home or business. You also may request a staff member visit your property for further information on retrofitting, remodeling and other topics.

Contact the Hazard Mitigation Program by calling 813-307-4541 or visiting them at the address listed in the back of this publication.

FLOODPLAIN PERMIT REQUIREMENTS FOR DEVELOPMENT AND SUBSTANTIAL IMPROVEMENTS TO STRUCTURES

The purpose of the Flood Damage Control Regulations of the Hillsborough County Land Development Code and the Construction Code are to restrict or prohibit uses and/or construction that are dangerous to health, safety, property and the general welfare due to increases in erosion, flood heights or fast-flowing water.

New construction or substantial improvement of any residential structure in the special flood hazard area is required to have the lowest floor elevated to or above the Base Flood Elevation, plus a freeboard requirement of no less than six (6) inches and may be up to three (3) feet depending on the building's designated risk category.

An elevation certificate that is prepared, signed and sealed by a registered land surveyor will be required. If needed, copies of elevation certificates for structures built after 1991 that were permitted in the high-risk flood zone may be available at the phone number below. Please note, earlier elevation certificates do not have all the information required to get a new Federal flood insurance policy, and may not be sufficient if requested. Therefore, a certified surveyor will need to complete a new elevation certificate.

Development in a Coastal High Hazard Area or a Floodway is also regulated by the codes mentioned above. Additional criteria will be required to be met for any new construction or substantial improvements in these areas.

Blank elevation certificates and flood zone determinations are available through the Building Services Division. Please call 813-307-4441 for more information.



DRAINAGE REQUIREMENTS

One way to reduce flooding around your property is to ensure that water drains correctly. Here are some tips on improving drainage:

- Do not place any debris - lawn trash or otherwise - in stormwater inlets, ditches, or other waterways. Dumping into the drainage system can easily create blockages that result in flooding during a severe rain - the house you flood may be your own!

Also, it is a violation of the Hillsborough County Environmental Protection Commission (EPC) Waste Management Rule 1-7 and Stormwater Ordinance 94-15 to dump anything into any public drainage system. Contact the EPC at 813-627-2600 if you witness a problem with dumping.

- Always check with Development Services Department's Natural Resources Section at 813-272-5920 before you make changes, such as grading, filling or construction on your property.

FLOOD SAFETY & INFORMATION

Stay away from flood waters! The number one cause of death during floods is drowning. High water often conceals storm drain inlets and the depth of ditches.

Driving In Flooded Areas

More people drown in their cars than anywhere else. Drive around flooded intersections or choose another route. Water depths of 6 to 10 inches are enough to ruin an engine and carry away your car (in fast-moving flood waters).



Danger Of Electricity

Do not approach electrical lines and never use electrical equipment or appliances that are wet! Remember to turn off your electricity, check for gas leaks, be alert for animals, and watch your step for hidden hazards.

Flood Emergencies

If you have a flooding emergency or drainage problem on your property or nearby road, call the County's Public Works Department at 813-635-5400 for help.

If maintenance of a County-owned drainage system is required, they can handle it. If the system is not maintained by the County, they can refer it for further investigation. They can also explain ways to reduce the chance of flooding and prevent damage on your property.

There is also extensive emergency information in free "Hurricane Guides" provided to the public, which are typically available June through November at County facilities and other locations, such as post offices.

FUNCTION OF FLOODPLAINS AND WETLANDS

Although much of this brochure talks about the concerns surrounding our County's floodplains, they also serve a positive function in our environment. These areas are necessary to receive, store and discharge water runoff, and help refill our groundwater supply. They also



provide a place to filter pollutants and nutrients out of water, and buffer the land from hurricane and tidal storm surges.

Because of the benefits of floodplain areas and wetlands, there are several government efforts to protect them. The Environmental Protection Commission of Hillsborough County implements and enforces wetland protection and mitigation rules, which includes reviewing rezoning requests to decide if they will impact wetlands, requiring mitigation of destroyed wetlands and repair of affected wetlands. County residents also voted in 1987 to pay a half-mill on their property taxes to purchase environmentally-significant land in Hillsborough County through the Environmental Lands Acquisition and Protection Program (ELAPP). Since its inception, ELAPP has preserved more than 60,490 acres of land.

Additionally, with assistance from FEMA, the County's floodplain management program has purchased land from residents that was repetitively flooded in order to return the properties to a natural state. This program reduces the County's liability because it no longer needs to assist homeowners when their properties flood.

All of these floodplain and wetland management programs also lower the cost of flood insurance for County residents, because the National Flood Insurance Program gives discounts to communities that undertake activities to reduce their flooding risk.

FLOODPLAIN MANAGEMENT PLAN

For more information about the County's Floodplain Management Plan, go to: www.HillsboroughCounty.org/FloodMaps. If you would like to provide input on better ways for the County to assist you with flood protection, a comment form also is available on the website listed above. We appreciate your help and your comments.

IMPORTANT CONTACT INFORMATION

ANIMAL SERVICES	813-744-5660
BUILDING DEPARTMENT	813-272-5600
EMERGENCY MANAGEMENT	813-272-6900
HIGHWAY PATROL	813-632-6859
HILLSBOROUGH COUNTY INFOLINE TTY	813-272-5900 813-301-7173
SOLID WASTE	813-272-5680
SHERIFF	813-247-8000
SPECIAL NEEDS SHELTER REGISTRATION	813-307-8063 813-272-5900
TECO TO REPORT POWER OUTAGES	813-223-0800 877-588-1010
TRANSPORATION INFORMATION	813-272-5900
AMERICAN RED CROSS	813-348-4820
CATHOLIC CHARITIES	813-631-4370
SALVATION ARMY	813-226-0055
CRISIS CENTER OF TAMPA BAY	2-1-1

WWW.HILLSBOROUGHCOUNTY.ORG
CLICK THE HURRICANE BUTTON

DO NOT CALL 9-1-1 FOR HURRICANE INFORMATION

NOAA WEATHER RADIO

A NOAA weather radio can provide you with valuable hurricane information as well as vital warning information for tornadoes, severe thunderstorms and other dangerous weather. It also broadcasts warning and post-event information for all types of hazards such as chemical releases and significant matters of public safety.

Hillsborough County Frequency 162.550 MHz, SAME Code 012057

FLOOD PREVENTION ASSISTANCE 33¢ 36¢

For unincorporated County residents, staff from the Engineering and Construction Services, Hazard Mitigation Program may make a site visit, upon request, to assist property owners with flooding and stormwater drainage information to address site-specific flooding concerns. This service is provided at no charge. For additional information on flooding, flood insurance, flood zones, retrofitting, or elevation certificates, you may contact the Hazard Mitigation Program office at 813-307-4541. Elevation certificates on file for areas within unincorporated Hillsborough County may be obtained in writing: Hazard Mitigation Program, Engineering & Construction Services, Public Works Department, County Center, P.O. Box 1110, Tampa, Florida 33601. Residents of municipalities should contact their respective municipal offices regarding their services in this area.

DISASTER PLANNING GUIDE

Official Guide for the Tampa Bay Area

YOUR
HURRICANE
EVACUATION ZONE
MAP INSIDE

10 WAYS TO PREPARE NOW!

1. Make Your Family Disaster Plan
2. Pull Together Disaster Supplies
3. Brace for Hurricanes
4. Discuss Your Evacuation Plans
5. Help Your Neighbor
6. Keep Your Pets Safe
7. Take Steps to Protect Your Home
8. Review Your Insurance
9. Safeguard Documents & Inventory
10. Know What to Expect After a Disaster

PLAN
PREPARE
PROTECT

www.tampabayprepares.org



364

Re Newberger Rd Lot Grading Complaint.txt

From: Jim Santo [jimsanto3@yahoo.com]
Sent: Saturday, July 13, 2013 10:27 AM
To: Cabrera, Richard
Cc: Columbie, Armando; Henry, Eugene
Subject: Re: Newberger Rd Lot Grading Complaint

Thanks for looking into this, I have a couple of questions. What was the contractor asked to do? Is the additional, extended fill compliant with the approved plans?

Sent from my iPad

On Jul 13, 2013, at 7:58 AM, "Cabrera, Richard" <CabreraR@HillsboroughCounty.ORG> wrote:

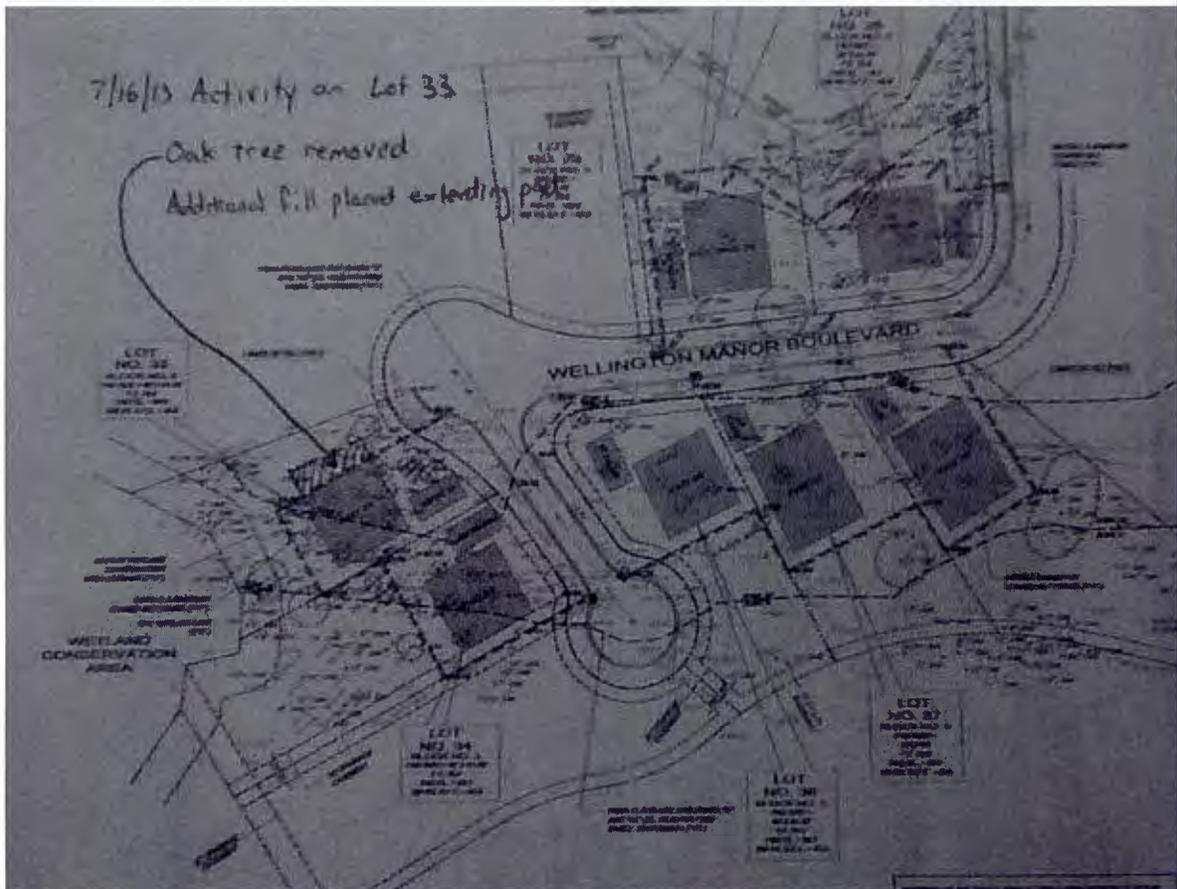
> Mr. Santo:
>
> The inspector, Armando Columbie (copied), has spoke with the contractor to rectify the situation.
>
> Have a great weekend! Rick
>
> Rick Cabrera, PE, CFM
> Professional Engineer II
> Engineering Review and
> Right-of-way Permitting Supervisor
> Development Review - Public works
> Hillsborough County BOCC
>
> p: 813.276.8302 | f: 813.307.4517
> e: CabreraR@hillsboroughcounty.org
> w: http://www.hillsboroughcounty.org
>
> Please note: all correspondence to or from this office is subject to Florida's Public Records laws.
>
>
>
> -----Original Message-----
> From: Columbie, Armando
> Sent: Tuesday, July 09, 2013 2:34 PM
> To: Cabrera, Richard; Hodge, Mallory
> Cc: Capell, Thomas
> Subject: Newberger Rd Lot Grading Complaint
>
> Rick,
>
> I visited the site today and spoke with the grading contractor , what Mr. Santo is saying is true. Luis with Creative Concrete (grading contractor) informed me that a 18" oak was removed in the new are filled. silt fences were down and I advised him to restore as required.
>
>
>
> Armando Columbie
> Hillsborough County BOCC
> p: 813.335.8146
> e:columbiea@hillsboroughcounty.org
> w: http://www.hillsboroughcounty.org
>
>

Re Newberger Rd Lot Grading Complaint.txt

- > Please note: all correspondence to or from this office is subject to Florida's Public Records laws.
- > <Newberger Rd 1.JPG>
- > <Newberger Rd 2.JPG>

From: Jim Santo
To: Henry, Eugene
Cc: Cabrera, Richard; Joy Duperault; Hodge, Mallory; Hull, Christa; Williams, Lois; Caton, Robin
Subject: Re: Newberger Rd project - recent developments - fill on residential lots
Date: Sunday, July 07, 2013 9:32:22 PM

Gene, As a follow-up to my email from Friday, the location of the additional piles of fill was lot 33 in the Wellington Manor Subdivision. On Saturday 7/6/13, there was additional activity on lot 33. A portion of the black staked silt fence was torn down, a large oak tree was removed and the elevated graded pad was extended to the north with the additional piles of fill observed on Friday. Below are two photos of sheet C5 from the 2/2/13 approved lot grading and tree removal plans to illustrate the activity described above. I look forward to your response on this matter. Thanks, Jim



Close up of plans with pen pointing to removed oak tree.



Sent from my iPad

On Jul 6, 2013, at 2:35 PM, "Henry, Eugene" <HenryE@HillsboroughCounty.ORG> wrote:

Thank you Mr. Santo,

I have included those that will know if this is consistent with the development approval. If it is not, Mr. Cabrera will transition the situation into the appropriate agency for compliance.

From: Jim Santo [<mailto:jimsanto3@yahoo.com>]
Sent: Friday, July 05, 2013 9:48 AM
To: Henry, Eugene
Cc: Cabrera, Richard; Joy Duperault
Subject: Re: Newberger Rd project - recent developments - fill on residential lots

Hi Gene, this morning additional fill was placed on the lot next to my house (see photos below). Is this part of the original plan or a subsequent modification reviewed by your team? I look forward to your response on this question and the findings of the research on the prior inquiry. Thanks, Jim



Sent from my iPad

On Jul 1, 2013, at 9:33 AM, "Henry, Eugene" <HenryE@HillsboroughCounty.ORG> wrote:

Mr. Santo,

Mr. Cabrera did make an attempt to speak again with the design professional for the project. The design professional understands the situation and will work with Mr. Cabrera.

Thank you,
gene

Thank you and helping you is our business,
Eugene Henry, AICP, CFM
Manager, Hazard Mitigation Program
Engineering & Construction Services, Public Works Department
Infrastructure and Development Team Services
p: 813.307.4541 | f: 813.307.8361
e: HenryE@HillsboroughCounty.org
w: <http://www.hillsboroughcounty.org>

From: [Ford, John](#)
To: [Moore, Joyce](#)
Cc: [Henry, Eugene](#)
Subject: FW: Flood-hazard information -- 11002 BOTTLEBRUSH PL, Tampa, FL, UNITED STATES 33624
Date: Monday, June 04, 2012 12:48:41 PM

Hi Joyce,

Gene Henry from the Public Works department provided a response to Ms. Olin. The response has been noted in the CRM. I believe the case can be closed out now.

John Ford
Executive Secretary
Public Works Department
Hillsborough County BOCC
p: 813.307.1710 | f: 813.272.7061
e: fordj@hillsboroughcounty.org
w: <http://www.hillsboroughcounty.org>

Please note: all correspondence to or from this office is subject to Florida's Public Records laws.



From: Henry, Eugene
Sent: Monday, June 04, 2012 11:33 AM
To: Ford, John
Cc: Iverson, Andrea; Owens, Pete
Subject: RE: Flood-hazard information -- 11002 BOTTLEBRUSH PL, Tampa, FL, UNITED STATES 33624

John,

Based on the information below, may the CRM be closed? The case is 46917!

Thank you!
gene

From: Henry, Eugene
Sent: Monday, June 04, 2012 11:20 AM
To: jlolin@tampabay.rr.com
Cc: Ford, John; Iverson, Andrea; Owens, Pete
Subject: Flood-hazard information -- 11002 BOTTLEBRUSH PL, Tampa, FL, UNITED STATES 33624

Ms. Jenny Lind Olin
11002 BOTTLEBRUSH PL, Tampa, FL, UNITED STATES 33624
Home Phone: (813) 960-5723
Email: jlolin@tampabay.rr.com

Ms. Olin,

Thank you for requesting flood-hazard information. Your request for information was forwarded from the

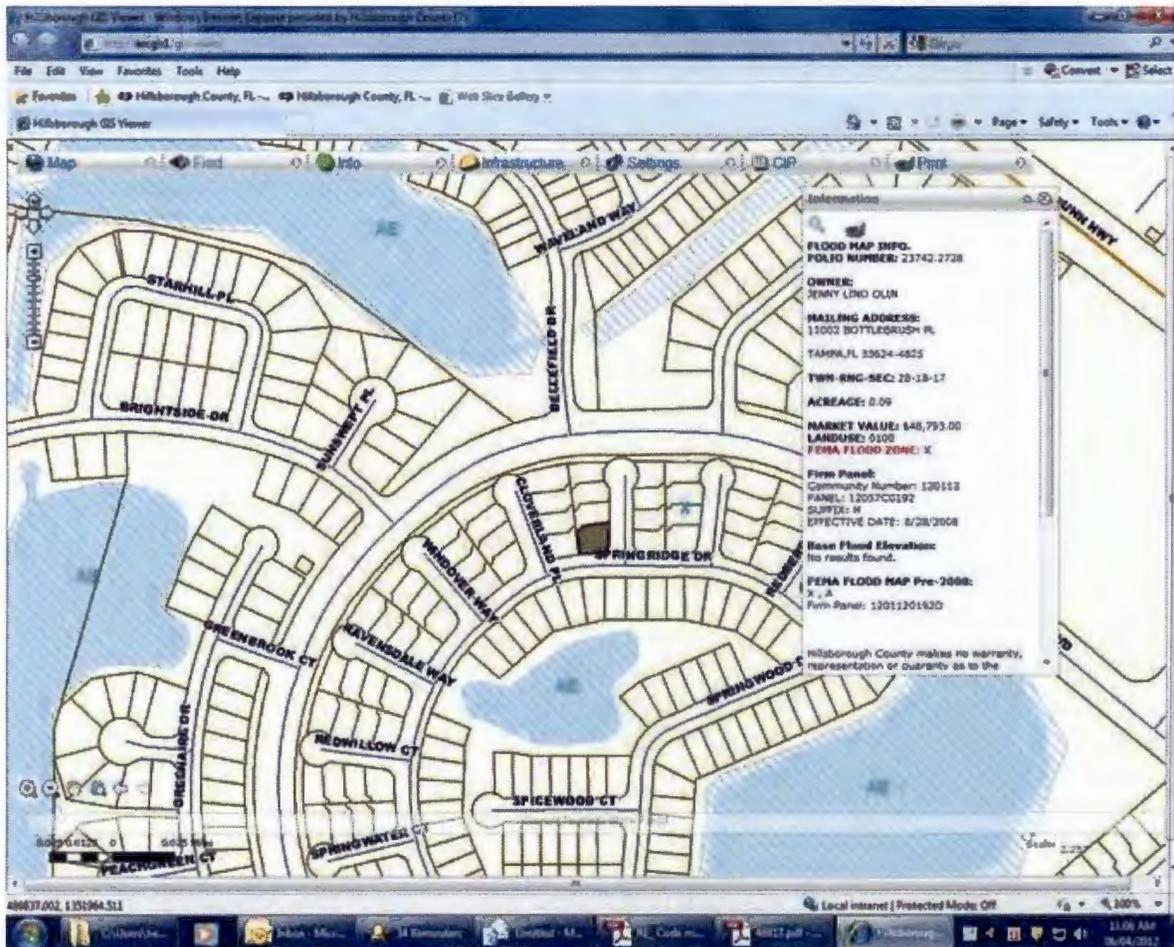
Environmental Protection Commission to the Hazard Mitigation team under the Public Works Department. In cooperation with the Building Services Division, your lot was reviewed with respect to the Federal Flood Insurance Rate Maps (FIRM). Your lot (represented by the shading illustrated below) is within Zone X, which is also considered having a low-risk to flooding pursuant to standards used by FEMA in the implementation of the National Flood Insurance Program.

Also, flooding is Hillsborough County's most repetitive disaster and Hillsborough County Engineering and Construction Services and Building Services Divisions are available to provide information on activities that can be taken to reduce or eliminate long-term risks to residents and their property from natural and manmade hazards, including flooding. Also, Hillsborough County is a qualifying community under the National Flood Insurance Program Community Rating System (CRS), which is sponsored by the Federal Emergency Management Agency (FEMA). The County's participation in this program gives residents the ability to obtain Federal flood insurance. The County's high level of participation and many hazard mitigation efforts has placed it within the top 3 percent of participating communities within the nation. This provides more than \$5.5 million in savings off of Federal flood-insurance premiums paid by residents annually. This program is monitored by both the State and Federal governments, which requires strict adherence.

Through this program, flood hazard information is offered to all citizens and businesses located within the unincorporated areas of Hillsborough County. The County maintains the most current Flood Insurance Rate Maps (FIRMs) and maintains updates that regularly occur as a result of map amendments and revisions that have been approved by the Federal Emergency Management Agency. This and additional information including FEMA Letters of Map Amendments and rules regarding construction within the high-risk flood zone is available through the Building Services Division, the Engineering Construction Services Division, or the Hazard Mitigation program. Information also can be found on the Hillsborough County web site at www.hillsboroughcounty.org. Click-on the "A-Z Index" link, and then select "Flood Maps." For more information, call or mail Andrea Iverson, Building Services of the Development Services Department at 813-307-4441 or at 601 East Kennedy Boulevard, 19th Floor, Tampa, Florida, 33602; or send correspondence to Post Office Box 1110, 19th Floor, Tampa, Florida 33601.

If you have any questions regarding the information contained herein, please do not hesitate in contacting me at 813.307.4541.

Sincerely,
Eugene Henry



Source: 2008 Digital Flood Insurance Rate Map, Hillsborough County GIS, data illustrated June 4, 2012.

Thank you and helping you is our business,
Eugene Henry, AICP, CFM
 Manager, Hazard Mitigation Program
 Engineering & Construction Services, Public Works Department
 Infrastructure and Development Team Services
 p: 813.307.4541 | f: 813.307.8361
 e: Henrye@HillsboroughCounty.org
 w: <http://www.hillsboroughcounty.org>

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Follow Us



Henry, Eugene

From: Ho, Chin
Sent: Tuesday, September 10, 2013 11:23 AM
To: Warren, John
Subject: FW: 1611 Cottagewood dr water problem 1 of 2
Attachments: photo 1.JPG; ATT00001.txt; photo 2.JPG; ATT00002.txt; photo 3.JPG; ATT00003.txt

fyi

-----Original Message-----

From: Ho, Chin
Sent: Friday, September 06, 2013 2:54 PM
To: Kinman, Glenn; O'Neal, Darrell
Cc: Sanchez, Rebeckah
Subject: FW: 1611 Cottagewood dr water problem 1 of 2

fyi

-----Original Message-----

From: Gmx [<mailto:mpl@gmx.com>]
Sent: Friday, September 06, 2013 2:47 PM
To: Ho, Chin
Subject: Fwd: 1611 Cottagewood dr water problem 1 of 2

>
> Chin, thank you for speaking with me today on the phone. I am sorry that the photos that were taken earlier did not illustrate the situation. This is one of two emails with photos of my back yard and that of my neighbors. The water has encroached more than 100 feet from its original edge and has now invaded my yard and that of my neighbors to the west to the point that I feel the foundation of my garage may begin to become compromised.
>

Henry, Eugene

From: Warren, John
Sent: Tuesday, September 10, 2013 2:48 PM
To: Henry, Eugene
Subject: Private property flooding.
Attachments: FW: 1611 Cottagewood dr water problem 1 of 2; FW: 1611 Cottagewood dr water problem 2 of 2

Hello Eugene;

We have several private properties on Cottagewood Ct, we were going to try to pump but private property owner between us and the outfall for pumping refuse to allow us access to the outfall. Would this be eligible for your emergency people? (not next to any schools just all private ownerships.

John Warren

Engineer Specialist II
Hillsborough County Public Works Department
22nd Floor
Hillsborough County BOCC
p: 813.307.1821 | f: 813.272.5320
e: warrenj@hillsboroughcounty.org
w: <http://www.hillsboroughcounty.org>

Activity Background -- Activity 400

Henry, Eugene

From: Duperault, Joy [Joy.Duperault@em.myflorida.com]
Sent: Monday, August 19, 2013 10:07 AM
To: Hunter, Jason; Wilson, Susan
Cc: Henry, Eugene; Rebecca C. Quinn
Subject: Hillsborough County draft ordinance for review before August 21st adoption
Attachments: Hillsborough_HCCC_Proposed-as-Amended Ordinance 01-33.pdf;
Hillsborough_HCCC_Proposed-as-Amended_NFIP-Checklist_081913.docx

Jason, greetings.

In order to meet the September 27, 2013 effective date of the revised FIS/FIRMs, Hillsborough County Building Board is adopting amendments to the Hillsborough County Construction Code (HCCC) Chapter 1 (Scope and Administration), Chapter 3 (Flood Damage Control Regulations), and Chapter 4 (Definitions).

The County has indicated this is an interim step as it moves toward adopting HCCC rules and Land Development Code rules that are based on the DEM model code-coordinated floodplain management ordinance. This interim step is taken because the entire process involving the LDC will take at least 18 months.

We've been working with the County to develop the amendments to the HCCC, many of which are similar to the provisions of the DEM model ordinance. We've reviewed the proposed changes and deem them consistent with the NFIP and compatible with the Florida Building Code. Gene Henry, Flood Damage Control Administrator, has requested that DEM seek concurrence from FEMA R4 in advance of the August 21 meeting (of course, a fully executed copy will be provided after adoption). Two files are attached for that purpose:

1. Ordinance 01-33 shows what the HCCC will look like after amendments are adopted on August 21.
2. NFIP-Checklist shows how the HCCC provisions (and FBC) satisfy the NFIP requirements.

I apologize that these were not available until this morning, and hope you have time to look these over by Wednesday. Please reply to all so Gene can see your response. Thanks so much,

Joy Duperault, State Floodplain Manager

Community Program Manager, Bureau of Mitigation
Florida Division of Emergency Management
2555 Shumard Oak Blvd., Tallahassee, FL 32399-2100
(850) 922-4518
joy.duperault@em.myflorida.com
www.floridadisaster.org

From: Henry, Eugene
To: Pinol, Sandra; Barge, Dexter; Fass, Thomas; Garsys, Lucia; Lyons, John; Moreda, Joe; Ramos, Mitchell; Suess, Robert; Williams, Michael
Cc: Clark, Cameron
Subject: RE: FEMA Correspondence
Date: Wednesday, September 11, 2013 1:29:58 PM
Attachments: Compliance per FEMA Hillsborough County FEMA.pdf

Thank you Sandra!

Please see the attached from FEMA. The County remains in good standing at this time.

FEMA does not provide a letter that will state that the County meets with compliance. However, FEMA Region IV review staff to Hillsborough County provided the attached email illustrating Hillsborough County is in compliance due to the needed changes made through a Physical Map Revision within the eastern Delaney Creek Watershed. The Board adopted the code in August that placed FEMA in the position to find Hillsborough County in compliance.

Let me know if more is needed.

gene

From: Hunter, Jason
To: Henry, Eugene; Wagner, Brandon
Cc: Williams, Michael; Garsys, Lucia; Pytlík, Elizabeth (Beth); Morgan, Jean; Joy.Duperault@em.myflorida.com; Wilson, Susan; Loar, Brad; Clark, Cameron; Stearrett, David; Major.May@fema.dhs.gov; Luis.Rodriguez@FEMA.DHS.gov; Williams, Henrietta; Martin, Steve
Subject: RE: Hillsborough County/FEMA
Date: Monday, September 09, 2013 2:52:40 PM

Good Afternoon Gene-

As of September 3, 2013, FEMA's Community Information System (CIS) was updated to reflect compliant ordinance status for Hillsborough County, Florida. Hillsborough County remains in good standing as a participating community of the National Flood Insurance Program.

Thanks,
Jason

Jason O. Hunter, CFM
DHS/FEMA Region IV
Floodplain Management and Insurance Branch
3003 Chamblee Tucker Road
Atlanta, GA 30341
770.220.5471
770.220.5440 fax

From: Pinol, Sandra
Sent: Wednesday, September 11, 2013 1:03 PM
To: Barge, Dexter; Fass, Thomas; Garsys, Lucia; Lyons, John; Moreda, Joe; Ramos, Mitchell; Suess, Robert; Williams, Michael; Henry, Eugene
Subject: FEMA Correspondence

Thought I would forward since this was discussed in today's Agenda Review.
Thank you

Sandra Pinol

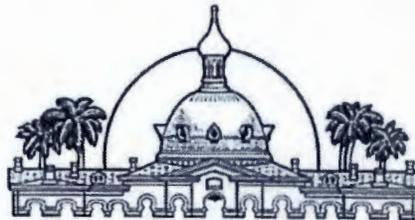
Sandra Pinol | Executive Assistant to Deputy County Administrator Lucia Garsys
Infrastructure and Development Services

p: 813.301.7217 | f: 813.272.5248 | <http://www.hillsboroughcounty.org>

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BOARD OF COUNTY COMMISSIONERS

Kevin Beckner
Victor D. Crist
Ken Hagan
Al Higginbotham
Lesley "Les" Miller, Jr.
Sandra L. Murman
Mark Sharpe



Hillsborough County
Florida

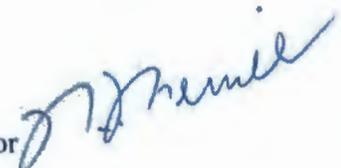
Office of the County Administrator
Michael S. Merrill

CHIEF ADMINISTRATIVE OFFICER
Helene Marks

CHIEF FINANCIAL ADMINISTRATOR
Bonnie M. Wise

DEPUTY COUNTY ADMINISTRATORS
Lucia E. Garsys
Sharon D. Subadan

MEMORANDUM

DATE: August 23, 2013
TO: Board of County Commissioners
FROM: Michael S. Merrill, County Administrator 
SUBJECT: Recap of August 21, 2013 BOCC Meeting

This Recap lists all Public Comments and items that are approved and do not need any further action. Items that require further action are included in the attached Suspense Calendar.

A. CONSENT SECTION

Items A-1 through A-42, except for A-22 which was deferred, were approved as recommended by staff.

PUBLIC COMMENT

Seven individuals spoke during the Public Comment portion of the meeting, as follows:

- Marilyn Smith spoke regarding agenda item B-3, an agreement with the Sociedad La Union Marti-Maceo (Marti-Maceo) in the amount of \$248,000 for the purpose of making capital improvements to the organization's building, and agenda item E-1, the Tampa Hillsborough Economic Development Corporation's quarterly report.
- Ken Roberts spoke regarding transportation issues, failed roads, a modern transportation system and the need to fix the roads.
- David McCallister informed the Board about a proposed proclamation he has submitted to commemorate the 150th Anniversary of the Hillsborough River Raid reenactment that will take place in October at Veterans Park.
- Sharon Calvert spoke regarding transportation issues, the importance of the road system for commerce and the need to maintain and improve the existing infrastructure.

C. COUNTY ADMINISTRATOR BRIEFINGS

D. PUBLIC HEARINGS

- D-1 A) The Board conducted a public hearing and established separate, uniform rates for the various street lighting classifications for the 2013 tax year, by approving the enclosed rate schedule. B) The Board adopted the non-ad valorem assessment for residential street lighting for the 2013 tax year. The proposed rates for each of the street lighting classifications in the Hillsborough County Consolidated Street Lighting Special Purpose District (HCCSLSPD) are listed in the agenda material for Board consideration for the 2013 tax year. These rates do not represent an increase over last year's rates. The HCCSLSPD is self-sustaining, funded via non-ad valorem property tax assessments.

Sharpe/Beckner 5-0

- D-2 The Board conducted a public hearing and approved the Rate Resolution establishing a continuation of the current rates for the 2013 Stormwater Management Assessment, as authorized by Ordinance 89-27, as amended, including adopting the 2013 Non-Ad Valorem Assessment Roll. This action will neither increase nor decrease the current stormwater management assessment rates and will result in estimated annual revenue of \$6.3 million.

Sharpe/Higginbotham 5-0

- D-3 A) The Board conducted a public hearing and adopted the Final Assessment Resolution to create water and wastewater Impact Fee Assessment Unit 13301 for the 100 parcels listed in the resolution; and B) The Board approved the impact fee assessment roll. This action will allow the property owners to pay a portion of water and wastewater impact fees over a 20-year period. It is estimated that the County will collect a total of \$5,127,081.00 over the 20-year period from assessments imposed against the 100 properties in this unit.

Sharpe/Beckner 5-0

- D-4 The Board conducted a public hearing and adopted an Ordinance amending the Hillsborough County Construction Code, Ordinance 01-33, as amended. Adoption of this amendment will maintain compliance with the 2010 Florida Building Code and minimal requirements associated with the National Flood Insurance Program. This action does not increase or decrease any County Departmental budgets.

Beckner/Crist 5-0

- D-5 The Board conducted a public hearing and adopted the proposed Ordinance governing the protest process for protests of procurement solicitations issued by the County, and direct/authorize the County Internal Auditor to perform the non-audit duties set forth in Section 14 of the Ordinance. Adoption of the above-referenced Ordinance will have a financial impact on the County in that the County will be responsible for payment of the

EXHIBIT "A"

CHAPTER 1

...

- 101.2 Scope.** The provisions of this ordinance shall govern the administration and enforcement of the Florida Building Code, and all specific volumes and standards contained therein, which establishes the technical standards that shall apply to buildings, structures, equipment, appliances, fixtures, fittings or appurtenances used, as well as to the method of construction, installation, alteration, repair, removal, enlargement, replacement, or connection to any system and the equipment usage, occupancy, locating, maintenance and demolition of every building or structure and any appurtenances or systems connected or attached to such buildings or structures in unincorporated Hillsborough County.

~~Exceptions: In addition with compliance of this code, (1) detached one and two family dwellings and multiple single family dwellings (townhouses) not more than three stories above grade plane in height with a separate means of egress and their accessory structures shall comply with the Florida Building Code, Residential, and (2) existing buildings undergoing repair, alterations or additions and change of occupancy shall comply with Chapter 34 of the Florida Building Code.~~

...

- 101.4 Referenced codes.** The other codes listed in Sections 101.4.1 through 101.4.911 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference.

...

101.4.10 Residential. The provisions of the Florida Building Code, Residential shall apply to the construction, installation, alteration, repair, removal, enlargement, replacement or connection to any system and the equipment usage, occupancy, locating, maintenance of detached one-and-two-family dwellings and multiple single family dwellings (townhouses) not more than three stories above grade plane in height with a separate means of egress and their accessory structures.

101.4.11 Existing Building. Existing buildings undergoing repair, alterations, or additions and change of occupancy shall comply with Chapter 34 of the Florida Building Code, Building.

...

SECTION 102 APPLICABILITY

...

- 102.2 Building.** The provisions of the Florida Building and Florida Residential Codes, including Appendices, shall apply to the construction, erection, alteration, modification, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every public and private building, structure or facility or floating residential structure, or any appurtenances connected or attached to such buildings, structures or facilities. Additions, alterations, repairs and changes of use or occupancy group in all buildings and structures shall comply with the provisions provided in the Florida Existing Building Code.

The following buildings, structures, and facilities are exempt from the Florida Building Code – Building, and the Florida Residential Code as provided by law, but not exempt from Chapter 3 of this Code, and any future exemptions shall be as determined by the legislature and provided by law:

- (a) Building and structures specifically regulated and preempted by the Federal Government.
- (b) Railroads and ancillary facilities associated with the railroad.
- (c) Non-residential farm buildings on farms.
- (d) Temporary buildings or sheds used exclusively for construction purposes.
- (e) Mobile homes or modular structures used as temporary offices, except that the provisions of part V (ss. 553.501-553.513, FLORIDA STATUTES) relating to accessibility by persons with disabilities shall apply to such mobile or modular structures.
- (f) Those structures or facilities of electric utilities, as defined in s. 366.02, Florida Statutes, which are directly involved in the generation, transmission, or distribution of electricity.
- (g) Temporary sets, assemblies, or structures used in commercial motion picture or television production, or any sound-recording equipment used in such production, on or off the premises.
- (h) Chickees constructed by the Miccosukee Tribe of Indians or the Seminole Tribe of Florida. As used in this paragraph, the term "chickee" means an open-sided wooden hut that has a thatched roof of palm or palmetto or other traditional materials, and that does not incorporate any electrical, plumbing, or other nonwood features.
- (i) Family mausoleums not exceeding 250 square feet in area which are prefabricated and assembled on site or preassembled and delivered on site and have walls, roofs, and a floor constructed of granite, marble, or reinforced concrete.
- (j) Temporary housing provided by the Department of Corrections to any prisoner in the state correctional system.
- (k) Building or structure having less than 1,000 square feet, which is constructed and owned by a natural person for hunting, and which is repaired or reconstructed to the same dimension and condition as existed on January 1, 2011, if the building structure:
 - (1) is not rented, leased, or used as a principal residence; and
 - (2) is not located within the 100-year floodplain, according to the Federal Emergency Management Agency's current Flood Insurance Rate Map; and
 - (3) is not connected to an offsite electric power or water supply.

...

SECTION 107 DRAWINGS AND SPECIFICATIONS

...

107.3 Examination of documents.

...

107.3.5 Minimum plan review criteria for buildings. The examination of the documents by the building official shall include the following minimum criteria and documents: a floor plan, site plan, foundation plan, floor/roof framing plan or truss layout and all exterior elevations:

Commercial Buildings:

...

Building

...

14. Floodplain Management

- base-flood (BFE) and ~~finished-lowest~~ floor elevations shown
- Floodproofing certificate by design professional if ~~finished-lowest~~ floor is below the base-flood elevation
- No Rise Certification if within the regulatory floodway

...

Velocity Zone (additional requirements)

- soil-boring and load-bearing analysis
- wave deflection analysis for obstructions below BFE (see Chapter 3 of this Code)
- ~~no living area below the design-flood elevation (DFE)~~ designed for only parking of vehicles, building access, or storage
- area below the DFE void of appliances
- lowest horizontal member above design-flood elevation
- break-away walls or lattice work below lowest horizontal member ~~(no sheer walls below DFE)~~
- enclosed area below the DFE not climate controlled
- ~~no grade beams below DFE~~
- no fill for structural support
- no partitioned rooms below the DFE
- riser diagram for exterior appliances and equipment showing equipment is secured and properly elevated

...

**Residential (One- and Two-Family):
Building**

...

8. Floodplain Management

- ~~no living area/finished floor below the design flood elevation (DFE)~~ lowest floor at or above the required elevation
- base-flood (BFE) and ~~finished~~ lowest floor elevations shown
- No Rise Certification if within the regulatory floodway
- manufacture's certification of the use of flood-resistant materials
- hydrostatic vents if required, minimum of two openings (1 sq in/1 sq ft exposed area); unless, the size of openings have been engineered based upon the rate of rise of floodwater for the source of flooding for the site
- foundation shown to anchor against flotation and protected against other hydrostatic forces
- foundation shown to be protected against hydrodynamic force if within the Floodway or Velocity Zone
- non-partitioned space below the BFE
- no appliances below DFE
- enclosed area below the DFE not climate controlled
- riser diagram for exterior appliances and equipment showing equipment is above DFE
- utility supply systems certified to be flood resistant or placed above the design-flood elevation
- sanitary sewerage and potable water systems designed to minimize infiltration of flood waters
- mechanical venting (e.g. below slab for ranges and/or dryers) have the exterior exit opening above DFE
- elevation certificate or survey with lowest floor at job site (for new construction) before slab/prior to framing inspection

Velocity Zone (additional requirements)

- soil-boring and load-bearing analysis

- wave deflection analysis for obstructions below BFE (see Chapter 3 of this Code)
 - lowest horizontal member above design-flood elevation
 - break-away walls or lattice work below lowest horizontal member ~~(no sheer walls below DFE; except as provided for within Chapter 3 of this Code)~~
 - enclosed area below the DFE not climate controlled
 - no grade beams below DFE; unless, shown to be below the scour line pursuant to FEMA standards
 - no fill for structural support
 - no partitioned rooms below the DFE
 - riser diagram for exterior appliances and equipment showing equipment is secured and properly elevated
9. Impact resistant coverings or systems.

Manufactured / Mobile Homes

1. Site requirements
 - setback/separation (assumed property lines)
 - location of septic tanks
 - lot grading
2. Structural
 - wind zone
 - anchoring
 - blocking
3. Mechanical
 - Exhaust systems
 - ✓ clothes dryer exhaust
 - ✓ kitchen equipment exhaust
4. Electrical
 - exterior disconnect location
5. Design floor elevation and, as applicable, minimum plan review criteria for floodplain management specified for Residential.

...

107.6 Affidavits

107.6.1 Building permits issued on the basis of an affidavit. Pursuant to the requirements of federal regulation for participation in the National Flood Insurance Program (44 C.F.R. Sections 59 and 60), the authority granted to the Building Official to issue permits, to rely on inspections, and to accept plans and construction documents on the basis of affidavits and plans submitted pursuant to Section 105.14 and Section 107.6, shall not extend to the flood load and flood resistance construction requirements of the *Florida Building Code*.

...

**SECTION 110
INSPECTIONS**

...

110.3 Required inspections. The building official upon notification from the permit holder or his agent shall make the following minimum inspections, and shall either release that portion of the construction or shall notify the permit holder or his agent of any violations that must be corrected in order to comply with the technical codes. The building official shall determine the timing and sequencing of when inspections occur and what elements are inspected at each inspection.

Building

1. **Foundation inspection.** To be made after trenches are excavated and forms erected and shall at a minimum include the following building components:

- stem-wall
- monolithic slab-on-grade
- piling/pile caps
- footers/grade beams

A foundation survey prepared and certified by a registered surveyor shall be required for all new construction prior to approval of the framing inspection. The survey shall certify placement of the building on the site, illustrate all surrounding setback dimensions, identification of the flood zone, base flood elevation, and elevation for the lowest finished floor, and shall be available at the job site for review by the building inspector. In lieu of providing a survey, the contractor may elect to uncover all property line makers and string up all property lines in preparation for inspection. The foundation survey may be required prior to the foundation inspection if there is reason to believe the required setbacks are not being met.

...

**SECTION 113
CONSTRUCTION BOARD OF ADJUSTMENT AND APPEALS**

...

113.4.2 Variances. The appropriate Board of Adjustments, Appeals, and Examiners, when so appealed to and after a hearing, may vary the application of any provision of this code to any particular case when, in its opinion, the enforcement thereof would do manifest injustice and would be contrary to the spirit and purpose of this or the technical codes or public interest, and also finds all of the following:

1. The special conditions and circumstances exist which are peculiar to the building, structure, service system, or individual involved and which are not applicable to others.
2. That the special conditions and circumstances do not result from the action or inaction of the applicant.
3. That granting the variance requested will not confer on the applicant any special privilege that is denied by this code to other buildings, structures, service systems, or individuals.
4. That the variance granted is the minimum variance that will resolve the issue.
5. That the granting of the variance will be in harmony with the general intent and purpose of this code and will not be detrimental to the public health, safety, and general welfare.
6. If within special flood-hazard areas, that granting the variance also meets the requirements of section 301.3.9 of this Ordinance.

113.4.2.1 Conditions of the Variance. In granting the variance, the board may prescribe a reasonable time limit within which the action for which the variance is required shall be commenced or completed or both. In addition, the board may prescribe appropriate conditions and safeguards in conformity with this code. Violation of the conditions of a variance shall be deemed a violation of this code.

113.4.2.2 Variances in Flood Hazard Areas. In addition to the requirements of this section, pursuant to section 553.73(5), Florida Statutes, the variance procedures contained in section 301.3.9 of this ordinance shall apply to requests submitted to the Building Official for variances to the provisions of Section 1612.4 of the Florida Building Code, Building; or, as applicable, the provisions of R322 of the Florida Building Code, Residential. This section shall not apply to Section 3109 of the Florida Building Code, Building.

...
SECTION 114
VIOLATIONS AND PENALTIES
...

114.2 Civil Action

114.2.1 Penalties. The Building Official may issue a code enforcement citation to any person, firm or corporation believed to be in violation of any provision of this code. The activity and/or condition for which a citation is issued shall cease and/or be rectified upon receipt of the citation. A person, firm or corporation cited for a code violation is deemed to be charged with a noncriminal infraction of this code. Noncriminal infractions of this code carry the following civil penalty:

A fine of up to \$500.00 for each violation.

...
c. **Flood Damage Control Violations(s).** If the violation(s) is to the Flood Damage Control Regulations, Chapter 3 of this code, or the flood provisions of the Florida Building Code, the Building Official or the Flood Damage Control Administrator may take action as cited within Chapter 3 of this Code. Such action may include having a request made to the Federal Emergency Management Agency (FEMA) to remove the respective property's eligibility of receiving benefits through the Federal Flood Insurance and disaster assistance programs.

...
CHAPTER 3
FLOOD DAMAGE CONTROL REGULATIONS

301.1 General Provisions

...
301.1.3 Basis for Establishing the Areas of Special Flood Hazard. Areas of special flood hazard identified by the Federal Emergency Management Agency (FEMA) in its Flood Insurance Study (FIS) for ~~unincorporated Hillsborough County and incorporated areas,~~ with an effective date of ~~June 18, 1980~~ August 28, 2008, including subsequent updates thereto, with the accompanying maps and other supporting data, are hereby adopted by reference and declared to be a part of this Chapter.

...
301.1.5 Compliance. ~~No structure new construction or substantial improvements shall hereafter be located, extended, converted, or structurally altered, and no new development shall be undertaken, without full compliance with the requirements of this Chapter, Chapter 44 Part 60.3, Codes of Federal Regulations (National Flood Insurance Program) and the applicable requirements of the Florida Building Code, and other applicable laws and regulations, including but not limited to Section 404 of the Federal Water Pollution Control Act of 1972, 22 U.S.C. 1334. New construction and substantial improvement of buildings, structures and facilities that are exempt from the Florida Building Code are subject to the requirements of this Chapter. Failure to comply with the requirements of Chapter 3~~

shall provide cause to have an alleged violation forwarded to the Flood Damage Control Board for action, which may include providing authority to the Building Official or the Flood Damage Control Administrator to request the Federal Emergency Management Agency remove availability of Federal flood insurance for the subject property.

301.1.11 **Purpose.** It is the purpose of this Code to promote the public health, safety and general welfare and to minimize public and private losses due to flood conditions in specific areas by provisions designed to:

1. Protect human life and health;
2. Maintain Hillsborough County's participation with the National Flood Insurance Program to ensure residents and business owners can obtain Federal flood insurance;
3. Protect structures by having ~~finished lowest~~ floors, where appropriate, elevated at or above the design-flood elevation unless the structure ~~may benefit from~~ complies with the requirements for dry floodproofing;
4. Minimize expenditure of public money for costly flood control projects;
5. Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public;
6. minimize prolonged business interruptions;
7. minimize damage to public facilities utilities such as water and gas mains, electric, telephone and sewer lines, roadways, and bridges and culverts located in floodplains;
8. help maintain a stable tax base by providing for the sound use and development of flood prone areas in such a manner as to minimize flood blight areas;
9. ensure that potential homebuyers are notified that property is in a flood hazard area;
10. to ensure property owners and contractors have information available regarding vertical elevation requirements and the ability to build to an elevation to provide benefits under the National Flood Insurance Program; and
11. ensure property owners are aware that Federal flood insurance is not available or structures built or substantially improved within an area designed as a Coastal Barrier Resources System pursuant to the Coastal Barrier Improvement Act of 1990 (Public Law 101-591).

301.1.12 **Methods of Reducing Flood Losses.** In order to accomplish its purpose, this Code includes methods and provisions for:

1. reviewing applications to determine whether proposed development will be reasonably safe from flooding;
- ~~1.2.~~ restricting or prohibiting uses that are dangerous to health, safety, and property due to water or erosion hazards, or which result in damaging increases in erosion or in flood heights or velocities;
- ~~2.3.~~ requiring that uses vulnerable to floods including facilities that serve such uses be protected against flood damage throughout their intended life;
- ~~3.4.~~ controlling the alteration of natural floodplains, stream channels, and natural protective barriers, which help accommodate or channel flood waters;
- ~~4.5.~~ controlling filling, grading, dredging, and other development that may increase flood damage; and
- ~~5.6.~~ preventing or regulating the construction of flood barriers that will unnaturally divert flood waters or may increase flood hazards or adverse flooding impacts to other lands.

301.2 Standards and Criteria

301.2.2 **General Standards.** In all areas of special flood hazards, all of the following provisions are required:

1. All new construction and substantial improvements shall be anchored to prevent flotation, collapse, or lateral movement of the structure. New construction and substantial improvement of buildings, structures and facilities exempt from the Florida Building Code shall comply with ASCE 24, Flood Resistant Design and Construction, and Chapter 3.
2. ~~Manufactured homes shall be anchored to prevent flotation, collapse, or lateral movement. This standard shall be in addition to, and consistent with, applicable state requirements for resisting wind forces and be accepted by the FEMA as in compliance with the NFIP.~~
3. ~~All new construction and substantial improvements, if permitted, shall be constructed with materials and utility elements certified, or listed by FEMA or some other Federal government approving authority, resistant to flood damage.~~
4. ~~All new construction and substantial improvements, if permitted, shall be constructed by methods and practices that minimize flood damage.~~
5. All new and replacement utility supply systems shall be designed to prevent contamination or damage by flood waters.
6. New and replacement sanitary sewerage systems shall be designed to minimize or eliminate infiltration of flood waters into the systems and discharges from the systems into flood waters and to prevent damage to treatment plant equipment by flood waters, and on-site waste disposal systems shall be located to avoid impairment or contamination during flooding.
7. ~~Electrical, heating, ventilation, plumbing, air conditioning equipment, and other service facilities shall be designed and located so as to prevent water from entering or accumulating within the components during conditions of flooding.~~
8. ~~Any alteration, repair, reconstruction, or improvements to a building outside of the pre-FIRM structure's footprint shall meet the requirements of "post-FIRM construction" as contained in this Chapter.~~
9. ~~All new construction and substantial improvements shall meet the requirements of "post-FIRM construction" as contained in this Chapter.~~
10. Any alteration, repair, addition, reconstruction or improvements to a building shall have a Substantial Improvement Worksheet completed and submitted with construction plans for review and recording with the permit application.
11. ~~New construction and substantial improvement to a structure, when located in multiple flood zones or in flood zones with multiple base flood elevations, shall meet the requirements for the flood zone with the most stringent requirements.~~
12. ~~Elevation Certificates are required for construction within the Special Flood and Coastal High Hazard Areas where verification of floor elevation(s) and/or hydrostatic vent placement and area is required. Structures requiring an Elevation Certificate include:~~
 - a. ~~New construction or manufactured home placement or replacement.~~
 - b. ~~Substantially improved structures or manufactured homes.~~
 - c. ~~Modification of post-FIRM storage areas into non-storage areas.~~
 - d. ~~Determination of compliance of a structure, building, mobile/manufactured home, and certain types of equipment under the County's participation with the National Flood Insurance Program.~~

301.2.3 Specific Standards (Zone A). Within Zones A, A1-30, AO, AH, and AE of the special flood hazard area where base flood elevation data is provided, all of the following provisions shall apply and shall have elevations and hydrostatic vent requirements verified through the submittal of a sealed Elevation Certificate by a registered land surveyor:

1. Residential Structures:
 - a. All new construction or substantial improvement of any residential structure within Zones A1-30, AH, AO, and AE (including substantially damaged manufactured homes) shall have the lowest floor (including basement), together with attendant utility systems, elevated to the design flood elevation. If the approved lot grading elevation is below the current effective

base flood elevation, the design flood elevation will be used instead of the approved lot grading elevation; otherwise, the approved lot grading elevation shall be used.

- b. ~~New construction or substantial improvement to an existing residential structure built prior to March 1, 2002, within Zones A, A1-30, AH, AO, and AE and constructed to, or above, the base flood elevation that is in effect, but is below the design flood elevation, may be built to, or above, together with attendant utility systems, the effective base flood elevation.~~
 - e. ~~Any alteration, repair, reconstruction or improvements to a pre-FIRM building within Zones A, A1-30, AH, AO, and AE and constructed to, or above, the base flood elevation that is in effect, but is below the design flood elevation, may be built to or above, together with attendant utility systems, the effective base flood elevation.~~
 - d. ~~All new construction and substantial improvements of residential structures within AO Zone shall have the lowest floor (including basement), together with attendant utility systems, elevated to, or above, the highest adjacent grade and at least as high as the depth number specified in feet on the FIRM (if no depth specified on the FIRM, then the minimum elevation requirement is at least two and one-half feet (2 1/2) above the highest adjacent grade).~~
- 2. ~~Historic structures may be exempt in part, or in full, from the requirements under this paragraph to insure that alteration of an "historic structure" shall not preclude the structure's continued designation as an "historic structure" as defined within of this Code.~~
 - 3. ~~Construction performed by an owner-agent permit applicant shall have a sealed Elevation Certificate for a building under construction submitted before approval of the slab inspection. Further approvals will not be granted unless the lowest floor meets the design flood elevation requirement.~~
 - 1. Within Zones A, A1-30, AE, AO, AH on the FIRM, adequate drainage paths around structures on slopes shall be provided to guide floodwaters around and away from proposed structures and shall be conducted pursuant to an approved plan or as otherwise approved by the County Engineer or designee.
 - 2. The elevation requirements of Section R322 of the Florida Building Code, Residential and Section 1612.4 of the Florida Building Code Building, by reference to ASCE 24, apply except:
 - a. For new construction and substantial improvement of buildings that were permitted on or after March 1, 2002, the minimum required elevation shall be at or above the current-effective base flood elevation plus 6 inches.
 - b. For additions to existing buildings permitted before March 1, 2002 and that meet current elevation requirements, the minimum required elevation shall be at or above the current-effective elevation.
- 4.3. Nonresidential Structures.
- a. All new construction or substantial improvement of nonresidential structures, shall either have the lowest floor, including basement, elevated to the design flood elevation or may be flood proofed in lieu of being elevated provided that, together with attendant utility and sanitary facilities, it is designed to be protected from flooding at a minimum of one foot above the design flood elevation; whereby, the structure is water tight with walls substantially impermeable to the passage of water and with structural components having the capability of resisting hydrostatic and hydrodynamic loads and effects of buoyancy. A design professional shall certify that the standards of this subsection are satisfied. A Floodproofing Certificate from the Federal Emergency Management Agency shall be In addition to the requirements of the Florida Building Code, the elevation shall include adding six (6) inches to the minimum elevation requirement identified within ASCE 24-05 for dry floodproofed nonresidential buildings, and the construction documents for respective buildings shall include a Floodproofing Certificate that is prepared and submitted along with a corresponding operational and maintenance plan that is also maintained on the premise of the structure. On an annual basis following the issuance of a certificate of occupancy, a report shall be

provided by the property owner or designee that identifies verification of components of said certification remain in compliance with this Code or maintenance has been conducted to maintain compliance with this Code. Following receipt of the report, the property owner or designee will request a site inspection to verify workability of said components.

~~b. All new construction and substantial improvements of nonresidential structures within Zone AO shall:~~

~~(i) have the lowest floor (including basement) elevated above the highest adjacent grade at least as high as the depth number specified in feet on the FIRM (at least two and one-half feet (2 ½), which includes the freeboard requirement, if no depth number is specified on a Hillsborough County flood determination form), or~~
~~together with attendant utility and sanitary facilities, be completely floodproofed to that level to meet the floodproofing standard specified in paragraph (4)(a) of this Section.~~

5. ~~New and substantially improved storage areas, areas used as crawl spaces, and areas beneath the lowest floor elevation shall (for such structures within the designated Velocity Zones, refer to Section 12 of this Chapter):~~

~~a. Be usable solely for parking of vehicles, building access, or storage in an area other than a basement, void of utilities unless utilities are placed above the design flood elevation and use is incidental to the purpose of the storage area, electrical is the minimum required to operate entry access lighting that is connected through a ground fault interrupt breaker, and shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Designs for meeting this requirement must be certified by a design professional and have the certification and background material submitted for recording; and~~

~~b. Meet, or exceed, the following minimum criteria:~~

~~(i) provide a minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding or provide a minimum of two openings with alterations only to the size of opening based upon the rate of rise of floodwater for the source of flooding for the area subject to flooding;~~

~~(ii) the bottom of all openings shall be no higher than one foot above grade where the interior grade is at the same elevation as the exterior grade or below;~~

~~(iii) where the height of all openings is greater than one foot in elevation above the interior grade, the number of hydrostatic vents and amount of hydrostatic openings must be documented in the comments section of a sealed Elevation Certificate completed by a licensed surveyor; and~~

~~(iv) openings may be equipped with screens, louvers, valves, or other coverings or devices provided they provide the required net area of the openings and permit the automatic entry and exit of floodwaters;~~

~~c. Where structures are used solely as an enclosure that is in whole or in part self-supporting, the enclosure is to have walls of insect screening with or without removable vinyl or acrylic wind break panels and a roof of insect screening, plastic, aluminum or similar lightweight material. Such space shall not be partitioned into multiple rooms, and not be temperature-controlled; and~~

~~d. Where structures are elevated to be above the design flood elevation with space below the finished floor, an affidavit shall be submitted with the permit application that acknowledges the prohibition of the conversion of the area below the lowest floor to a use or dimension contrary to the building's approved design unless subsequently approved under this Code. The permit application will not be processed without said affidavit being submitted and respective statements on approved plans.~~

4. Areas Below Elevated Buildings. Where structures are elevated, the following requirements apply in addition to the requirements of the Florida Building Code:

- a. Electrical service below the base flood elevation is permitted provided it is the minimum necessary for access lighting and it is connected by a ground fault interrupt breaker.
- b. If enclosed by walls, the enclosed area shall not be partitioned into rooms; foundation (crawl space) walls may form more than one enclosed area.
- c. Where the height between the floor of an enclosure and the bottom of the floor system of the building exceeds six (6) feet, or where the height between the ground or slab (including crawl space) and the bottom of the floor system above exceeds six (6) feet, an affidavit signed by the property owner shall be submitted with the permit application to acknowledge the prohibition of the conversion of the area below the lowest floor to a use or dimension contrary to the building's approved design unless subsequently approved under this Code. The permit application will not be processed without said affidavit being submitted and respective statements on approved plans.

6.5. Standards for Manufactured Homes.

- a. Manufactured homes shall be anchored to prevent flotation, collapse, or lateral movement.
- b. All manufactured homes to be placed or substantially improved within Zones A1-30, AO, AH and AE on sites which are: (1) outside of a manufactured home park/subdivision; (2) in a new manufactured home park/subdivision; (3) in an expansion to an existing manufactured home park/subdivision; or (4) in an existing manufactured home park/subdivision on which a manufactured home has incurred substantial damage as a result of a flood, shall be elevated on a permanent foundation such that the lowest floor of the manufactured home, together with attendant utility systems, shall be elevated no lower than the ~~design-base~~ flood elevation plus six (6) inches and be securely anchored to an adequate foundation system to resist floatation, collapse and lateral movement and in accordance with the provisions of FEMA Bulletin 85, or subsequent replacement documents, for the anchoring of manufactured homes.
- bc. All manufactured homes to be placed or substantially improved in an existing manufactured home park or subdivision within Zones A1-30, AH, AO, and AE, that are not subject to the provisions of paragraph 6 (a) of this Section, must be elevated so that either:
 - (i) the lowest floor of the manufactured home, together with attendant utility systems, is elevated to at least the ~~design-base~~ flood elevation plus six (6) inches; or
 - (ii) the manufactured home chassis is supported by reinforced piers or other foundation elements of at least an equivalent strength that are no less than 36 inches in height above the grade, designed and constructed to evenly distribute the load, and be securely anchored to an adequate foundation system to resist floatation, collapse and lateral movement and in accordance with the provisions of FEMA Bulletin 85, or subsequent replacement documents, for the anchoring of manufactured homes; and
 - (iii) duct work shall be placed above the design flood elevation or be certified as flood resistant.
- d. Areas below elevated manufactured homes shall comply with the requirements of subsection 301.2.3(4), above.
- e-e New manufactured home parks, subdivisions, and expansions to existing parks/subdivisions (where the repair, reconstruction, or improvement of the streets, utilities, and pads equal or exceed fifty percent (50%) of the value before improvement commenced) and existing manufactured homes not placed in a manufactured park/subdivision require:
 - (i) stands or lots be elevated on compacted fill or structures elevated on pilings so that the lowest floor of the manufactured home and servicing equipment and ductwork (unless ductwork is certified as flood resistant) will be no less than the ~~design-base~~ flood elevation plus six (6) inches; and
 - (ii) adequate surface drainage and access for a hauler are provided.

7.6. Recreation Vehicles or Temporary Construction Offices. A recreational vehicle or a temporary construction office are intended to remain ready for highway use if either are on its wheels or jacking system, is attached to the site only by quick disconnect type utilities and security devices,

and has no permanently attached additions. All recreational vehicles or temporary construction offices placed on sites within Zones A1-30, AO, AH, and AE must either:

- a. be on the site for fewer than 180 consecutive days;
- b. be fully licensed and ready for highway use; or
- c. meet the requirements for new construction, including anchoring and elevation and non-elevation requirements for manufactured homes or meet requirements under paragraph 6 of this Section.

8-7. Floodways. When floodways are designated within areas of special flood hazard on the Flood Insurance Rate Map or within the Flood Insurance Study, additional criteria shall be met. Since the floodway is an extremely hazardous area due to the velocity of flood waters, which carry debris, potential projectiles, and has erosion potential. Notwithstanding any of the above, the following provisions shall apply:

- a. Encroachment or placement of an obstruction is prohibited, including fill, new construction, substantial improvements (includes replacement of an existing manufactured home, unless it is a DCA Certified modular home), mounded septic systems, docks, and other development unless it has been demonstrated through a no-impact analysis (hydrologic and hydraulic analyses that are also referred to as a No Rise Impact Analysis) with supporting technical data submitted by a State of Florida Registered Engineer demonstrating that the proposed encroachment shall not result in any increase in flood levels within the community during the occurrence of the base flood discharge.
- b. If Section 301.3.7 of this Code is satisfied, all new construction and substantial improvements shall comply with all applicable flood hazard reduction provisions of this Code.
- c. The placement, or replacement, of any manufactured home, except in a pre-FIRM manufactured home park or subdivision that has not had a manufactured home flooded, is prohibited within the designated floodway.

9-8. Standards for streams or riverine systems, A Zones without established Base Flood Elevation, or floodways located within the areas of special flood hazard where streams exist for which no base flood elevation data or regulatory floodway has been provided by FEMA or the County, the following provisions shall apply:

- a. All new subdivision proposals and other proposed developments (including proposals for manufactured home parks and subdivisions) greater than fifty (50) lots or five (5) acres, whichever is less, include within such proposals base flood elevation data.
- b. All new construction and substantial improvements shall meet elevation requirements of this Chapter. Information that shall be submitted and maintained and shall include:
 - (i) required elevation (in relation to the mean sea level) of the lowest floor (including the basement) of all new and substantially improved structures, and
 - (ii) non-residential structure floodproofing certificate and information in accordance with the requirements of this Chapter and the elevation in relation to the mean sea level to which the structure has been floodproofed.
- c. Notify, in riverine situations, adjacent communities where streams or rivers enter or leave boundaries and the State NFIP Coordinating Office prior to any alteration or relocation of a watercourse, and submit copies of such notifications to FEMA along with an application of Letter of Map Revision.
- d. Assure that the flood carrying capacity within an altered or relocated portion of any watercourse is maintained, unless mitigated pursuant to this Chapter, the Land Development Code, the Development Review and Procedures Manual, and the Stormwater Technical Manual. Variations to requirements within Chapter 3 of this Code shall be approved pursuant to Section 301.3.9 of this Chapter.
- e. Manufactured homes shall be installed using methods and practices that minimize flood damage and meet elevation requirements. They must be elevated and anchored to prevent flotation, collapse, or lateral movement.

- f. Require for riverine areas without a regulatory floodway boundary defined on the Flood Insurance Rate Map, that no new construction, substantial improvements, or other development (including fill) shall be permitted within Zones A1-30 and AE on the community's FIRM, unless it is demonstrated that the cumulative effect of the proposed development, when combined with all other anticipated development, will not increase the water surface elevation of the base flood more than one foot at any point within the community.
 - g. Require compensation storage pursuant to minimum standards within the Hillsborough County Stormwater Technical Manual and with Hillsborough County's participation with the National Flood Insurance Program, and within this Chapter, Section 301.3.4.
10. Standards for Subdivision Proposals:
- a. All subdivision proposals shall be consistent with the need to minimize flood damage.
 - b. All subdivision proposals shall have public utilities and facilities such as sewer, gas, electrical and water systems located and constructed to minimize flood damage.
 - c. All subdivision proposals shall have adequate drainage provided to reduce exposure to flood hazards.
 - d. Design and base flood elevation data shall be provided for subdivision proposals and other proposed developments, including manufactured home parks and subdivisions that exceed fifty lots or five acres, whichever is less.
 - e. All subdivision proposals must comply with all pertinent provisions of the Subdivision Regulations and all other applicable development regulations.
 - f. All subdivision lot grading plans shall list both the NGVD 1929 and the NAVD 1988 vertical datum elevations, with appropriate conversion factor(s), required for an individual structure's finished floor and base flood elevations, where applicable, and the elevation shall be listed for easy identification for each lot until such time the County's Flood Insurance Rate Maps and Flood Insurance Study have elevations listed using the NAVD 1988 vertical datum. At such time, the vertical datum shall be listed using NAVD 1988 for new designs with construction plan approval.
 - g. All subdivision lot grading plans' reported finished floor elevations shall be used unless the finished floor elevation is below the base flood elevation; then, the respective lot's elevation shall be six inches above the base flood elevation derived from the Flood Insurance Rate Map and, or, the Flood Insurance Study. Elevations from within the Flood Insurance Study shall be used if higher than that reported on the Flood Insurance Rate Map.

119. Coastal A Zones are those A and AE zones shown on the Flood Insurance Rate Map (FIRM) and within the Flood Insurance Study (FIS) that have been identified through standard engineering practices to have potential breaking waves less than three (3) feet in height. The waves in these areas have sufficient force to modify the landscape and damage or destroy the built environment if not properly designed and constructed to counter such forces. Pursuant to ASCE standards referenced within the Florida Building Code, new construction or substantial improvements must be designed to have considered, in addition to other requirements of this ordinance, effects from erosion and scour, and to have considered appropriate factors necessary to resist floatation, collapse, and lateral movement due to the effect of wind and water loads action simultaneously on all building components. Designs for meeting this requirement must be performed by design professionals, who are required to certify their work through sealing and signing drawings and any other documents (i.e., calculations, etc.) as is appropriate by regulations.

301.2.4 Standards for Subdivision Proposals and Site Development Proposals. In flood hazard areas the following requirements apply:

1. All subdivision proposals and site development proposals shall be consistent with the need to minimize flood damage.

2. All subdivision proposals and site development proposals shall have public utilities and facilities such as sewer, gas, electrical and water systems located and constructed to minimize flood damage.
3. All subdivision proposals and site development proposals shall have adequate drainage provided to reduce exposure to flood hazards.
4. Design and base flood elevation data shall be provided for subdivision proposals and other proposed developments, including manufactured home parks and subdivisions that exceed fifty lots or five acres, whichever is less.
5. All subdivision proposals must comply with all pertinent provisions of the Subdivision Regulations and all other applicable development regulations.
6. All subdivision lot-grading plans shall list both the NGVD 1929 and the NAVD 1988 vertical datum elevations, with appropriate conversion factor(s), required for an individual structure's lowest floor and base-flood elevations, where applicable, and the elevation shall be listed for easy identification for each lot until such time the County's Flood Insurance Rate Maps and Flood Insurance Study have elevations listed using the NAVD 1988 vertical datum. At such time, the vertical datum shall be listed using NAVD 1988 for new designs with construction plan approval.
7. All subdivision lot-grading plans' reported lowest floor elevations shall be used unless the lowest-floor elevation is below the current effective base-flood elevation; then, the respective lot's elevation shall be six-inches above the current effective base-flood elevation derived from the Flood Insurance Rate Map and, or, the Flood Insurance Study. Elevations from within the Flood Insurance Study shall be used if higher than that reported on the Flood Insurance Rate Map.

12.301.2.5 Specific Standards for Coastal High Hazard Areas (Zone V). Coastal High Hazard Areas, also V-zone, are designated on the Flood Insurance Rate Map as Zones V1-30, VE, or V. These areas have special flood hazards associated with high velocity waters from hurricane surges. Therefore, in addition to meeting all provisions in this Code the requirements of the Florida Building Code, the following provisions shall also apply:

- a. ~~All new construction and substantial improvements in Zones V, V1-30 and VE shall be elevated without side bracing so that:~~
 - (i) ~~the bottom of the lowest horizontal structural member of the lowest floor (excluding the pilings or columns), together with attendant utility systems, be elevated to, or above, the design flood elevation;~~
 - (ii) ~~new construction or substantial improvement to an existing residential structure built prior to March 1, 2002 within Zones V and VE and with the lowest horizontal member constructed to, or above, the base flood elevation that is in effect, but is below the design flood elevation, may have the lowest horizontal member, together with attendant utility systems, built to, or above, the effective base flood elevation; and~~
 - (iii) ~~the pile or column foundation and structure attached or anchored to resist flotation, collapse, and lateral movement due to the effects of wind and water loads acting simultaneously on all building components. Water loading values used shall be those associated with the base flood. Wind loading values used shall be those required by the applicable State building code.~~
- b. ~~A design professional shall develop or review the structural design, specifications and plans for the construction, and shall certify that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting the provisions of this Code and permitting requirements identified within this Chapter.~~
1. The elevation requirements of Section R322 of the Florida Building Code – Residential, and Section 1612.4 of the Florida Building Code – Building, by reference to ASCE 24 apply except:
 - a. For new construction and substantial improvement of buildings that were permitted on or after March 1, 2002, the required elevation shall be at or above the base flood elevation plus six (6) inches.

- b. For additions to existing buildings that were permitted before March 1, 2002 and that meet current elevation requirements, the minimum required elevation shall be at or above the current-effective elevation.
- c. A licensed engineer shall have performed a soils and foundation analysis to determine the suitability of the soil to support the structure and submit background data for approval and recording with the permit application.
- d. A design professional shall perform an analysis, or analyses, prior to allowable obstructions being designed to be placed into the V-zone. The analysis, or analyses, shall show that there shall be no impact with respect to ramping and, or, deflection of velocity waters, or erosion damage to the structure or nearby buildings. Respective analyses and background data shall be submitted for approval and recording with the permit application. The analysis, or analyses, shall be performed in conformance to standards identified within the U.S. Army ~~Core Corps~~ of Engineers' Coastal Shore Protection and the FEMA's Coastal Construction manuals. If impacts are to be mitigated, a variance in accordance with this Chapter and Code shall first be obtained prior to a permit application being granted. Mitigation techniques shall be a condition of a Flood Damage Control Board Order and shall be shown on construction plans and put into place prior to impacts.
- e. ~~Construction performed by an owner agent permit applicant shall have a sealed Elevation Certificate submitted for a building under construction following the request for a foundation inspection. Further approvals will not be granted unless the lowest horizontal structure meets the design flood elevation requirement.~~
- f. ~~All new construction shall be located landward of the reach of the mean high tide.~~
- g. ~~Provide that all new construction and substantial improvements have the space below the lowest floor either free of obstruction or constructed with non-supporting breakaway walls, open wood lattice work, or insect screening intended to collapse under wind and water loads without causing collapse, displacement, or other structural damage to the elevated portion of the building or supporting foundation system. For the purpose of this section, a breakaway wall shall have a design safe loading resistance of not less than 10 and no more than 20 pounds per square foot. Use of breakaway walls that exceed a design safe loading resistance of 20 pounds per square foot (either by design or when so required by Hillsborough County or State codes) may be permitted only if a registered professional engineer or architect certifies, and submits background data for recording with the permit application, that the designs proposed meet the following conditions:~~
 - (i) ~~breakaway wall collapse shall result from water load less than that which would occur during the base flood, which may be submitted to FEMA for review to ensure compliance under the County's participation with the National Flood Insurance Program; and~~
 - (ii) ~~the elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (structural and nonstructural). Water loading values used shall be those associated with the base flood. Wind loading values used shall be those required by the applicable State building code.~~
- he. ~~The enclosed space below the lowest floor shall be useable solely for parking of vehicles, building access, or storage. The space must be designed not to be finished for other uses such as for recreation or habitation purposes. Only non load bearing breakaway walls, open lattice, or insect screening shall be used, and no mechanical, Mechanical, electrical, or plumbing equipment shall not be installed below the design-flood elevation unless the electrical is the minimum required to operate entry access lighting that is connected through a ground-fault interrupt breaker circuit. Additionally:~~
 - (i) ~~such space shall not be partitioned into multiple rooms, temperature-controlled, or used for human habitation;~~

- ~~(ii) stabilized areas beneath the structure (such as for parking or for allowed enclosures) shall be constructed with minimum reinforcement necessary and will be placed at grade, unless otherwise approved;~~
 - ~~(iii) such space shall not be structurally attached to the building's foundation system or be considered as an obstruction; and~~
 - ~~(iv) where elevation requirements exceed six (6) feet above the highest adjacent grade, an affidavit, shall be submitted with the permit application that acknowledges the prohibition of the conversion of the area below the lowest floor to a use or dimension contrary to the building's approved design and this Chapter. The permit application will not be processed without said affidavit being submitted and respective statements on approved plans.~~
- f. Areas Below Elevated Buildings. The following requirements apply in addition to the requirements of the Florida Building Code:
- (i) Electrical service below the base flood elevation is permitted provided it is the minimum necessary for access lighting and it is connected by a ground fault interrupt breaker.
 - (ii) If enclosed by walls, the enclosed area shall not be partitioned into rooms and shall not be climate controlled.
 - (iii) Where the height between the floor of an enclosure and the bottom of the floor system of the building exceeds six (6) feet, or where the height between the ground or slab (including crawlspace) and the bottom of the floor system above exceeds six (6) feet, an affidavit signed by the property owner shall be submitted with the permit application to acknowledge the prohibition of the conversion of the area below the lowest floor to a use or dimension contrary to the building's approved design unless subsequently approved under this Code. The permit application will not be processed without said affidavit being submitted and respective statements on approved plans.
- ~~i. Prohibit the use of fill for structural support of structures.~~
- jg. Prohibit the use of fill for non-structural use, except when such does not exceed the elevation of the existing grade by more than three (3) inches or otherwise does not require a permit for minor ground stabilizing or landscaping purposes. No permit shall be issued for the use of fill in V-zone, as designated on the Flood Insurance Rate Map, unless it is has been demonstrated through appropriate engineering analyses and background data has been submitted for recording with the permit application that the subject fill does not cause any adverse impacts to the structure on site or adjacent properties. Placement of fill that would result in an increase in the base flood elevation may be permitted, provided that the permit applicant first applies for a variance pursuant to Section 301.3.9 of this Chapter.
- kh. Pursuant to the Federal Emergency Management Agency Technical Bulletin, Free-of-Obstructions Requirements, prohibit obstructions underneath and outside of the perimeter, except as identified in the following:
- ~~(ii) Access stairs and elevators: Access stairs and elevators attached to or beneath an elevated building are excluded from the breakaway requirement but must be of flood-resistant materials. Access stairs and elevators need not be breakaway; however, potential loads generated by these obstructions must be identified and accounted for within the design of the building. If access stairs are enclosed, walls shall be minimum required and shall be built pursuant to paragraph 11.g. of this Chapter. Further requirements regarding elevators can be found in the Federal Emergency Management Agency Technical Bulletin 4, "Elevator Installation;"~~
 - ~~(iii) Bulkheads, rip-rap, seawalls, and similar: Any of these items beneath or adjacent to a coastal building, whether or not it is attached to the foundation system, is an obstruction and is therefore prohibited, unless otherwise approved pursuant to paragraph 11.d of this Chapter;~~

- (iviii) Concrete pads: A concrete pad with minimal, or no, reinforcement to be used for parking or as a floor, may be poured beneath an elevated coastal building. A concrete pad placed at grade is not considered an obstruction if it is not structurally attached to the building's foundation system. The use of fill beneath an elevated building to elevate a slab above natural grade is considered an obstruction and is therefore prohibited. It is important to note that compliant concrete pads often collapse during coastal storms due to erosion and localized scour of underlying soils;
- (iv) Decks, patios, gazebos: Decks or patios constructed at grade may involve considerable alteration of the site in the construction process. The proposed construction must be evaluated pursuant to paragraph 11.d of this Chapter to determine whether buildings on the site or on adjacent sites will be adversely affected. Floodwaters shall not be diverted into the elevated building or into nearby buildings. It is required to be demonstrated by the design professional that debris from destroyed decks or patios shall not damage the foundation of the building or of adjacent buildings. Decks and patios constructed below the design-flood elevation must be structurally independent of the building's foundation system. If a deck is structurally attached to the building, the lowest horizontal member of the deck must be elevated to or above the design-flood elevation. Like an at-grade deck, an elevated deck should not worsen flooding conditions or create debris that will damage adjacent buildings. A deck that is properly elevated on embedded piles to withstand flood forces generated by a base flood shall not cause additional flood or debris damage to adjacent buildings;
- (vi) ~~Enclosed areas: The area beneath the elevated structure of a V-zone building may be enclosed pursuant to paragraph 11.h. of this Chapter. Only non-load bearing breakaway walls or open lattice and insect screening may be used below the design flood elevation;~~
- (vii) Fences: Like other construction elements on V-zone building sites, fences must be analyzed pursuant to paragraph 11.d. of this Chapter for their effects on flood conditions, including ramping effects on adjacent buildings and the effects of debris during flood events.
- (viii) ~~Foundation bracing: Bracing shall not be used for new construction. Such bracing is intended to provide lateral wind-resistance support to a pile or column foundation by stiffening the foundation system and is to be placed parallel to the primary direction of flow; generally perpendicular to the shoreline. Only the minimum amount of bracing that is necessary to stiffen the foundation may be used. Bracing should be composed of members that will offer the least resistance to floodwaters flowing under the elevated building;~~
- (vix) ~~Grade beams: Grade beams, made of wood or reinforced concrete, tie together the perimeter piles or columns to provide additional lateral support. Grade beams that are placed with their upper surfaces flush with the natural grade are allowed, provided it is demonstrated that the. The design professional must show grade beams will remain in place when erosion and localized scour remove the supporting soil beneath. It must be noted that grade beams are not to be used as a substitute for adequate number, size, and embedment of piles or columns;~~
- (xviii) Septic systems: Elevated or mounded septic systems require fill and constitute an obstruction if placed under, or adjacent to, an elevated building within the V-Zone as identified on the Flood Insurance Rate Map. Therefore, septic systems must not be attached directly to the foundation, but may be permitted on a V-zone site if it will not worsen flooding conditions for the building in question or any adjacent buildings pursuant to paragraph 11.d. of this Chapter;
- (ixi) Swimming pools: A swimming pool may be placed beneath a building within the V-zone pursuant to paragraphs 11.d, h, and i of this Chapter and only if the top of the pool

and accompanying pool deck or walkway are flush with the existing grade and only if the lower area (below the lowest floor) remains open. Lower-area walled-enclosures around pools constitute a recreational use and are therefore not allowed, even if constructed to breakaway standards. Lattice and insect screening are allowed as they do not create an enclosed area. Pools, either at-grade or elevated, are allowed adjacent to coastal buildings only if the pools will not act as obstructions that will result in damage to the V-zone building or nearby buildings. The design professional must prove that a pool beneath or near a V-zone building will not be subject to breaking up or floating out of the ground during a coastal flood and shall therefore not increase the damage potential to the foundation and elevated portion of any nearby buildings proven pursuant to paragraph 11.d of this Chapter. In addition, the design professional must design and site the pool so that any increased wave or debris impact forces will not affect any nearby buildings. Pools, pool decks, walkways, and associated accessory buildings placed under or adjacent to buildings within the V-zone must be structurally independent of the building and its foundation;

- (xii) Fill: Fill shall only be used in the V-zone as described under this Chapter. Any approved fill shall not interfere with the free passage of floodwaters and debris underneath the building or cause changes in flow direction during coastal storms such that floodwaters will cause additional damage to buildings on the site or to any adjacent buildings. Under the building, no fill may be used except for minor landscaping and minor site grading for drainage purposes. An example of unacceptable placement of fill would be the construction of a small berm or retaining wall that is backfilled and used for landscaping purposes when it has been determined that ramping or deflection of floodwaters will adversely affect adjacent buildings and thereby create additional flood damage potential;
 - ~~(xiii) Prohibit man-made alteration of sand dunes and mangrove stands that would increase potential flood damage;~~
 - ~~(xiv) The placement of manufactured homes, except in an existing manufactured home park or existing manufactured home subdivision, is prohibited; and~~
 - ~~(xv) Any alteration, repair, reconstruction, or improvements to a structure started after the effective date of this Code, shall not climate control any space beneath the lowest floor and shall not enclose the space below the lowest floor unless breakaway walls are used.~~
2. Man-made alteration of sand dunes or mangrove stands that would increase potential flood damage is prohibited.
 3. The placement of manufactured homes, except in an existing manufactured home park or existing manufactured home subdivision, is prohibited. If placed in an existing manufactured home park or existing manufactured home subdivision, the foundation of the manufactured home shall comply with the requirements of the Florida Building Code, Residential, Section R322 as applicable to coastal high hazard areas. Areas under elevated manufactured homes shall meet the requirements of subsection f. of this section.
 - ~~13.~~ 4. Recreational vehicles placed on sites within Zones V, V1 – V30, V, and VE on the FIRM shall be on sites for fewer than 180 consecutive days, be fully licensed and ready for highway use, and shall in conformance with the requirements of this Chapter and remain road ready and be immediately removed from the site at the time an evacuation order is given.

301.3 Additional Standards for Developments in Floodplains

- 301.3.1 Criteria.** The criteria for development in floodplains shall pertain to all floodplains and not be limited to those floodplains identified on FEMA maps. The Engineer of Record (EOR) shall be responsible for determining the on-site 100-year flood elevations if not determined by a FEMA or Hillsborough County study. The EOR is required to submit a Letter of Map Amendment or Map

Revision to FEMA for any changes in flood zone designations or modifications that may be used in modifying a FIRM designation as determined by a detailed study of the area. New hydrologic and hydraulic engineering analyses submitted to change base flood elevations, flood hazard area boundaries, or floodway designations shall be submitted to FEMA within six (6) months of such data becoming available.

301.3.2 Special Flood Hazard Area (100-Year Frequency Floodplain). No development (structures or fill) shall be allowed in the conveyance portion of any 100-year frequency floodplain as described by the Stormwater Management Section of the Public Works Department associated with a freshwater stream, channel, lake, or waterway, unless provisions are made to compensate for any reduction in conveyance caused by the development and in accordance with this Chapter and other applicable County regulations.

301.3.3 100-Year Frequency Floodplain Non-Coastal

1. No development (structures or fill) shall be allowed in any 100-year frequency non-coastal floodplain, unless provisions are made to compensate for the reduction in storage volume due to the proposed development and pursuant to Section 301.3.9 of this Chapter.
2. ~~Within Zones A, A1-30, AE-AO, AH on the FIRM, adequate drainage paths around structures on slopes shall be provided to guide floodwaters around and away from proposed structures and shall be pursuant to an approved plan.~~ For structures constructed in an area without an approved lot-grading plan and outside of the Special Flood Hazard Area, the minimum elevation shall include the requirement of 18 inches above the crown of the road, unless otherwise approved by the County.

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301.3.9 Variances. Accompanying Section ~~108.4.2.~~ 113.4.2

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**CHAPTER 4
DEFINITIONS**

[Ed. Note: All defined terms not appearing below are unchanged]

A. Words not Defined or Contained herein in this Chapter. Words not defined or contained herein in this Chapter shall have the meaning stated in the Florida Building Code. Words that are not defined in this Chapter nor in the Florida Building Code shall have the meaning stated in the most applicable Florida Statutes, or other nationally recognized codes, or other documents, manuals or standards adopted elsewhere in this chapter Ordinance. Words not defined in any of those documents shall have the meaning stated in the Webster's Third New International Dictionary of the English Language, Unabridged, as revised.

...

Appraised value. ~~For the purpose of this section, appraised value is defined as either (1) one hundred and twenty percent (120%) of the assessed value of the structure as indicated by the County Property Appraiser's Office or (2) the value as indicated in a certified uniform appraisal report based upon comparable sales, which is not a limited summary appraisal report. For floodplain management purposes, the appraised market value is based on the County Property Appraiser's assessed structure value or the commercially appraised depreciated structure value. When used for the purposes of determining substantial improvement, it pertains only to the value of the structure. It does not pertain to the land, landscaping, detached accessory structures, or other site improvements (for example, docks, seawalls, and gazebos).~~

Area of shallow flooding. An area designated AO on the Flood Insurance Rate Map (FIRM) with base flood average depths of one to three feet where a clearly defined channel does not exist, where the path of flooding is unpredictable, and where velocity flow may be evident. Such flooding is characterized by ponding or sheet flow.

Area of special flood hazard. The land in the floodplain within a community subject to a one-percent or greater chance of flooding in any given year. The term "Special Flood Hazard Area", for purposes of these regulations, is synonymous with the phrase "area of special flood hazard".

Assessed value. The value of real property and improvements thereon as established by the Hillsborough County Property Appraiser.

Base flood. A flood having a 1-percent chance of being equaled or exceeded in any given year. The base flood is commonly referred to as the "100-year flood" or the "1-percent-annual chance flood."

Basement. For floodplain management purposes, any Any area of a building having its floor sub-grade (below ground level) on all sides.

Breakaway wall. A wall that is not part of the structural support of the building and is intended through its design and construction to collapse under lateral loading forces as defined within Chapter 3 of this ordinance, without causing damage to the elevated portion of the building or the supporting foundation system. Shear walls may not substituted for breakaway walls within the Flood Insurance Rate Map velocity zone.

Coastal high hazard area. For floodplain management purposes, an area of special flood hazard extending from offshore to any area subject to high velocity wave action from storms. The area is designated on the Flood Insurance Rate Map as Zone V1—V30, VE, or V. A special flood hazard area extending from offshore to the inland limit of a primary frontal dune along an open coast and any other area subject to high velocity wave action from storms or seismic sources. Coastal high hazard areas are also referred to as "high hazard areas subject to high velocity wave action" or "V Zones" and are designated on Flood Insurance Rate Maps (FIRM) as Zone V1-V30, VE, or V.

Design flood. The flood associated with the greater of the following two areas: Area with a floodplain subject to a 1-percent or greater chance of flooding in any year; or Area designated as a flood hazard area on the community's flood hazard map, or otherwise legally designated.

Design Flood Elevation. See Freeboard. The elevation of the "design flood," including wave height, relative to the datum specified on the community's legally designated flood hazard map. In areas designated as Zone AO, the design flood elevation shall be the elevation of the highest existing grade of the building's perimeter plus the depth number (in feet) specified on the flood hazard map. In areas designated as Zone AO where the depth number is not specified on the map, the depth number shall be taken as being equal to 2 feet.

Elevated building. A non-basement building built to have the lowest floor elevated above the ground level by foundation walls, stem or shear walls, posts, piers, pilings, or columns. For floodplain management purposes, the type of elevation has limitations depending where the structure will be located within the Special Flood or Coastal High Hazard Areas.

Existing manufactured home park or subdivision. A manufactured home park or subdivision for which the construction of facilities for servicing the lots on which the manufactured homes are to be

Activity Background -- Activity 500

Activity 510 -- Annual Repetitive Flood-Loss Report Per CRS Requirements

Hillsborough County
2012-2013 Floodplain Management Plan (and Repetitive Loss)
Annual Progress -- Activity 510

Annual recertification: This report serves to meet the annual certification requirement of Hillsborough County due to the number of repetitive flood-loss structures and as a participant with the National Flood Insurance Program Community Rating System (NFIP/CRS). The annual certification augments information provided within the Hillsborough County Floodplain Management Plan (FPMP), beginning on page 20 of the FPMP, and within the LMS, Sections I, page I-11; Section V, beginning on page V-11. The adopted annual Community Rating System outreach is also identified within respective documents beginning on page 37 of the FPMP and within the LMS, Section V-14. References made within documents continue to list accomplishments associated in the implementation of the Floodplain Management Plan. These items serve as minimum outreach tasks and are addressed similarly each annual period.

During the past year, Hillsborough County maintained the FPMP, which the approving resolution is on the website. The FPMP was approved through the resolution on September 22, 2010 and serves to instruct the Local Mitigation Strategy Working Group to continue monitoring implementation of the FPMP.

Progress report: The progress report was prepared by the Floodplain Administrator and CRS Coordinator (also certified planner). For credit under the Community Rating System, this information has been provided at a public meeting and has been made available to the media and the public. Copies of this report, the Local Mitigation Strategy (as the Floodplain Management Plan) are available for review through the Hillsborough County Engineering and Environmental Services Division, Hazard Mitigation, 601 East Kennedy Boulevard, 22nd Floor, Tampa, Florida 33602. Additionally, this report (as Appendix O of the LMS) and the Local Mitigation Strategy (as the Floodplain Management Plan) are available on the Hillsborough County website.

This report is prepared for submittal for continued credit under the National Flood Insurance Program Community Rating System (NFIP/CRS). It is designed to provide a short update and report on accomplishments toward implementing the County's Floodplain Management Plan (and Repetitive Flood Loss Plan). Copies of this report have been distributed for dissemination and forwarded to the Board of County Commissioners. Additionally, a copy of this report, following adoption, will be submitted to the State and Federal Emergency Management agencies as part the County's annual CRS recertification; unless, identified as distributed through the County's Insurance Service Office (ISO) representative.

1. Name of the Floodplain Management Plan: Hillsborough County Local Mitigation Strategy and Floodplain Management Plan.
2. Date Adopted: The initial adoption of the Floodplain Management Plan was adopted in May 1998, and subsequently with updates to the Local Mitigation Strategy in 2004, 2006, and 2010, and as amended through the adoption of Appendix O as the Supplement to the LMS on September 22, 2010. The all-hazards document (Local Mitigation Strategy) has been reviewed and approved for content by the State of Florida and the Federal Emergency Management Agency (FEMA). The LMS was initially adopted in 1999 by the Board of County Commissioners. The County completed a major map modernization activity as a Cooperating Technical Partner with FEMA and replaced current effective maps on August 28, 2008 with a countywide Digital Flood Insurance Rate Map (DFIRM). A modification to four panels and the FIRM index will become effective on September 27, 2013 due to a Physical Map Revision.
3. Location where copies are available for review: Hillsborough County Engineering and Environmental Services Division, Hazard Mitigation, 601 East Kennedy Boulevard, 22nd Floor, Tampa, Florida 33602.
4. Summary of any floods that occurred during the year: There has not been any flooding that affected greater than 10 units or greater than \$50,000 property in which flood water entered into a residential or commercial building during any single event this reporting period per the understanding of staff. However, Tropical Storm Andrea did create minimal storm surge impacts to 3,900 properties (not structures). Initial analysis of affected parcels was performed through the use of a geographic information management system whereby, coastal storm surge expectations and data from the Ruskin National Weather Service Office was entered into the GIS to show extents of potential storm surge. The storm surge was estimated to reach between two and four feet above mean sea level. This information was verified through field reconnaissance and parcels affected was very close to that associated with GIS modeling. This assessment verified that coastal

repetitive flood-loss areas are susceptible to minimal storm surge events and continued awareness programs within these areas are assumed to be a continued value to residents and businesses within these areas. During the period of October 1, 2012 to September 2013, the County did not have reports of structural flooding within designated repetitive flood-loss areas; however, there is a report of a structure that was affected by stormwater within the Moon Lake area of Hillsborough County. A resolution to stormwater flooding within this area is included within the Public Works listing of capital projects. The County did respond during the reporting period to one tropical storm event (Tropical Storm Andrea). Additionally, the County continues to prepare for the affects of strong and severe tropical thunderstorms and potential tropical cyclones, and County employees have taken the opportunity to work in response and recovery activities associated with potential impacts. Additionally, County employees through coordination with all local (municipalities included) and participating private entities performed exercises in the event of floods and tropical storm emergencies and disasters.

5. What impact did floods have on repetitive flood loss areas? There were no major flooding events; however, 3,900 parcels (not structures) were identified as affected within coastal areas from a minimal coastal storm surge event created by Tropical Storm Andrea. The storm surge increased bay tide amounts between two and four feet. Although, coastal repetitive flood-loss areas were affected, there were not any recorded structures affected within respective repetitive-loss areas during the reporting cycle. A request has been made of FEMA Region IV to share flood-damage information to verify flooding significance within Hillsborough County for the reporting period.
6. The section objectives and Action Plan lists objectives of the Plan: There is a guiding goal within the Local Mitigation Strategy (the all-hazards guiding document) and number goals that have been approved through the planning process in which floodplain management objectives and action items have been implemented (Tables 2 through 4). Reports to goals and objectives are listed below and are provided on an annual basis to identify the status in meeting actions to implement the County's participation with the National Flood Insurance Program Community Rating System. A guiding goal and four objectives are a part of the Local Mitigation Strategy(LMS) and are listed below in Table 1 (also within the LMS, Section V, Page V-1 and within the FPMP Table 9 through Table 13), which are accompanied by goals and objectives that have been adopted to specifically address floodplain management. Also refer to the report for Activity 330 within this packet.

**TABLE 1
LOCAL MITIGATION STRATEGY GUIDING PRINCIPALS**

MITIGATION	GUIDING PRINCIPAL	DESCRIPTION
OBJECTIVES	Public Education	Increase public awareness in the use of mitigation programs and techniques to reduce the impacts of natural and man-made hazards.
	Coordination	Coordinate public and private sector participation in identifying and managing and/or implementing mitigation projects and measures throughout Hillsborough County.
	Development Management	Identify and implement a combination of regulatory, incentive and initiative programs that will reduce potential loss and would encourage participation in ongoing hazard mitigation.
	Critical Facilities	Develop and maintain an inventory management system on all data affecting hazard mitigation.

The County continues to perform activities to implement guiding principals. Activity 330 of this packet provides added insight with respect to performing outreach to the public and industry partners. The County has conducted public workshops to illustrate programs and techniques to reduce impacts of natural (and manmade) disasters. Through working with three groups sanctioned by the Board of County Commissioners, staff have continue to integrate mitigation initiatives into the community. Committees in which the Hazard Mitigation Program stewards and has worked with respect to hazard mitigation are: the Local Mitigation Strategy Working Group (includes the CRS Committee and its Steering Committee) and the Citizen Corps Council. Additionally, the team has worked

similarly with the Community Organizations Assisting in Disasters (COAD) and the Hillsborough County Long-term Redevelopment Program (HELP). Two communitywide committees that are instrumental in working with residents and businesses prepare and recover from disasters.

Hillsborough County development review agencies continue to implement higher standards; whereby, developments and structures are developed and constructed to standards that better protect property ownership and property. Levels of implementation continue to include ensuring compensatory storage is required of development approvals that allow for earthen fill to be placed within Special Flood Hazard Areas affected by stormwater, and ensuring new or substantially improved structures are built to a higher elevation than minimum base-flood elevations. With development, the County continues to manage an inventory of critical facilities; however, the County is in a transition process; whereby, the Critical Facility database is reviewed by public and private entities and the database is officially stored within the County's Geomatic agency.

Regarding repetitive flood-losses, the following are specific activities that have been incorporated in the Hillsborough County planning process since the initial adoption of the Floodplain Management Plan in 1998 (revision adopted in 2010). The activities continue and are associated with repetitive flood-loss protection and are:

- Identify repetitive loss properties and monitoring. The official repetitive loss list from the State has been considerably reduced; however, this list is only associated with those properties associated with Flood Mitigation Assistance grant eligible. The County continues to work with the FEMA repetitive flood-loss list, which are listed on AW 501 forms. In addition, the County continues to update stormwater models, which have sections that identified County government repetitive flood-loss areas that are consistent with the identification of flood-losses shown through the Federal flood-insurance program. The review of the repetitive flood-loss list and the Federal flood-insurance claim listing to verify flooding events had no repetitive flood-loss properties during the past year. The County has not received information regarding repetitive flood claims date; however, the County was delayed in making the request of FEMA due to work with a Physical Map Revision and conducting an update to the Flood Damage Control regulations.
- Ensure properties and properties within repetitive-loss areas are sent informational notices annually (Appendix O, Attachment 18 and 19). The list of properties within the repetitive loss areas has increased to 21,587 (57,043 nonSFHA) due to re-assessing the manner in which the GIS tools extracted the data and the manner boundaries were used. This is an increase over the past; whereby, the number ascertained from GIS was 15,900 addresses. The task of notification was out-for-bid in late August. Mailouts to respective property owners was anticipated by mid September – the writing of this report.
- Inspect all new repetitive loss properties. Permit records researched and AW 501 forms have received an initial review. The County has not performed an organized and comprehensive field review of addresses associated with AW 501 forms due to resource constraints. The Code Enforcement Agency will be engaged with the Hazard Mitigation Section to train inspectors to travel to respective sites and provide an inspection report. The report will not be noticed as a repetitive loss list, but a report reporting on the situation of the property and structure. The Hazard Mitigation team will cross-reference protected records and assess any changes with respective properties and report such on AW 501 Forms. There is one reported modification to the AW 510 Form list, which is associated with a Mitigation-Reconstruction grant project. The structure was completed in late 2012 and the grant associated with this project was closed in mid Spring 2013.
- Request that FEMA annually notify the County of all flood claims processed. Information was requested in late summer. The late request was due to resource constraints. The program has been approved an added Full-Time Equivalent position for the coming fiscal year. The added resource will be effective in meeting needs associated with maintenance to reviewing flood-losses and repetitive loss properties.
- Provide a report to the County Administrator on any emerging patterns of flooding. There are not any added patterns to flooding within Hillsborough County, which such information is tracked within the Public Works Engineering and Environmental Services Division of the Public Works Department.

Objective accomplishments of the Floodplain Management Plan (Annual Progress Report) have been reviewed within the aforementioned as such related to guiding principals. In addition and listed below is a review of the County's progress in meeting specific Floodplain Management Plan (FPMP) goals, objectives and action statements that are more specific to floodplain management. This specificity assists the County in implementing the Community Rating System (CRS), which grades the various community floodplain management programs and reduces flood insurance premiums in those communities that meet certain requirements. To verify activities in which the County pursues to better protect the community and property, the County is reviewed with respect to compliance with the CRS program by the Insurance Service Office (ISO). During the past year, the County did undergo a three-year recertification process for the CRS that was administered by the ISO on behalf of FEMA. The County successfully met all obligations. In order to reduce the potential for personal/property losses in flood prone areas and ensure the lowest possible flood insurance premiums for our residents and businesses, Hillsborough County has developed the FPMP, which has been approved as a part of the Local Mitigation Strategy.

Goal 1 - Provide leadership in protecting low-income properties and public housing from the impacts of floods. The County's Office of Emergency Management, Public Works, Development Services, Housing, and Community Codes Departments have coordinate to review hazards and in work to alleviate flooding problems. Furthermore, the County's Public Works Department is working to repair and enhance drainage in a low to moderately-low income areas known to have flooding issues.

Additionally, the County's Engineering and Environmental, Building Services, and Office of Emergency Management continue to work with developers in the Coastal Planning Area to analyze protection of new larger developments with respect to flood hazards; however, due to resource constraints and modifications to the organization has not been in the position to conduct respective reviews. This is to ensure maximum protection within areas of mandatory evacuation during a severe storm event.

Goal 2 - Prevent new development in the floodplain from increasing runoff and resulting increases in flood volumes in the floodplain. The County protects wetland and significant wildlife habitat areas through regulations implemented through the County's Natural Resources agency and the Environmental Protection Council. The County's development regulations offer another avenue of protection to persons and property through the Land Development Regulations and plan-review processes. Regulatory processes through agencies under the Board of County Commissioners have worked well in identifying areas of conservation and preservation for the benefit of protecting persons and property that serve to provide watershed storage areas and buffer areas to flood high-hazard areas. These regulations have also served to protect surrounding properties to a greater extent than provided naturally. For example, the County requires a greater amount stormwater retention post-development than was present pre-development (County Land Development Regulations, 2011).

The County has delegated authority of reviewing requests to deviate from standards identified within the Flood Damage Control Regulations to the Hillsborough County Building Board (Part 9 of the Land Development Code and Chapter 3 of the Construction Code). During the preceding 12 months, the Building Board did not review requests to deviate from the County's minimum standards. It must be noted that the Building Board has not allowed a deviation from regulations to the minimum standards listed in 44 Codes of Federal Regulations associated with the County's voluntary participation in the National Flood Insurance Program.

Regulations enforced through the Development Services Department and the Environmental Protection Council have restricted and manage development activity in the floodplain by limiting wetlands encroachment while also preserving open space. This process continues through primarily limiting impervious surface and preservation of critical upland habitat and wetland areas with development

approvals. The County's Environmental Lands Acquisition Program ELAPP is in the Unincorporated Special Flood Hazard Area and this, along with other preservation and public land, accounts for greater than 40% of the County's entire unincorporated SFHA.

Goal 3 - Develop a public awareness program that informs all property owners in the flood zones that they are located in a flood zone. The County has provided assistance to residential flood-loss victims through various avenues that have included letters, telephone calls, E-mails and site visits. County staff site visits include providing assistance to residents in evaluating potential hazards to a structure, which is provided through a certified planner or a licensed engineer (most times by both).

Residents, both existing and potential, can access information relating to the floodplains at County Permit Services Centers and via the Internet through FEMA's Hazard Maps and through the Property Appraiser's site. Floodplain determinations can be requested that provide an official determination of whether a property is located, fully or partially, within a floodplain. Additionally, the County has mapped the floodplains on its Geographical Information System (GIS), and has worked with FEMA to update County Flood Insurance Rate Maps – most recent holistic modifications became effective on August 28, 2008 with modifications performed through a Physical Map Revision becoming effective on September 27, 2013.

Flood zone and other flood mapping information are available through the County's Engineering and Construction Services and Building Services Divisions. This local information is currently publicized in flood insurance informational brochures located at the County Administration building and at public libraries. The preceding year illustrates customers being assisted in determining whether their properties were designated as within a Special Flood Hazard Area (designated person's assistance to customers, these numbers does not reflect assistance provided through other agencies or indirectly).

Other flood protection measures primarily involve the elevation of pre Flood Insurance Rate Map (FIRM) structures. Information on other floodproofing techniques (such as the use of a berm, flood walls, etc) is mailed to property owners with repetitive flood-loss structures and to known flood prone structures on an annual basis.

Additionally, coordination of emergency services during times of flooding is through the Office of Emergency Management (OEM). The OEM is responsible for coordinating publication of the County's annual evacuation and severe weather warning publication and in activating the County's warning systems. Other groups within the County provide flood information. These groups include the National Weather Service, the State of Florida Department of Emergency Management, the Water Management District, the American Red Cross, the Tampa Bay Regional Planning Council and the various cities (the County and Cities work closely in disseminating information).

Goal 4 - Provide advice and assistance to property owners concerning the protection of their properties from flooding, local drainage and sewer back-up problems. The County has an aggressive public outreach program. During the preceding review period, the County's Community Rating System Outreach Committee identified outreach projects that are directly associated with furthering local efforts in educating residents about flood hazards and the National Flood Insurance Program (see activity 330). Additionally, the County's emergency-management initiatives have included educating small businesses about various hazards and measures of protection (including flooding) through local groups such as Chambers of Commerce, City/County forums, and business groups. These activities have assisted greatly in educating businesses (and residents). During the past year, the Tampa Electric Company and the private realty insurance association have also assisted through mail-outs and notification to the community.

Additionally, the County has provided assistance to residential flood-loss victims through various avenues that have included letters, telephone calls, E-mails and site visits. County staff site visits include providing assistance to residents in evaluating potential hazards to a structure, which is provided through a certified planner or a licensed engineer. However, during the past year staff resources were affected within the budget process; whereby, two property owners of Federally designate severe repetitive loss (SRL) structures were deferred to the State of Florida, Division of Emergency Management to gain assistance with the SRL grant program. During this annual period, the Hazard Mitigation team did speak with respective potential grant beneficiaries; whereby, the State and the County began working together in the review of applications and performing benefit cost analyses. At this time, applications are anticipated to be complete for the State by September 24, 2013.

Goal 5 - Develop an aggressive program to identify and obtain funding for both pre- and post-disaster mitigation projects. The County currently has an aggressive plan that seeks to relieve flooding problems within the county. To augment this effort, staff had received funding to provide notification to those as designated within the Special Flood Hazard Area. This has been identified previously, but is included as a reminder of the continuation of the program. For this year, the County is working to modify an existing 2005 Hazard Mitigation Grant Program to review the benefits of acquiring structures within a County identified repetitive-loss area near the University of South Florida. The State has assisted with this endeavor. Additionally, the County submitted applications associated with Tropical Storm Debby. Funds under Tier I were released for a mitigation project associated with the Tampa General Hospital. It is both a wind and flood mitigation project, which the LMS Working Group voted unanimously to have said project ranked as the highest in need. The project has been awarded funds and is underway as it is understood. Other projects were with continued stormwater capital projects, stormwater master plan updates, and asset management of the stormwater systems and respective weighting of maintenance. The County also continues to work with other entities in the review of potential impacts to the community due to changes to the National Flood Insurance Program (NFIP) due to implementing the Biggert-Waters Act of 2012 and affects from climate change that includes the review of sea level increase.

Goal 6 - Continue and enhance existing programs that acquire wetland areas for passive recreation uses while providing significant watershed volume storage and buffer areas from the floodplain. The County aggressively pursues the acquisition of significant habitats that benefit the community in numerous avenues. Staff working with the county's Environmental Lands Acquisition and Protection Program continues to aggressively acquire wetland and upland areas that can be used for watershed volume storage and floodplain buffer areas.

Additionally, the County protects wetland and significant wildlife habitat areas through regulations implemented through the County's Environmental Protection Council. The County's development regulations offer another avenue of protection to persons and property through Land Development Regulations and plan-review processes. Regulatory processes implemented through agencies under the Board of County Commissioners have worked well in identifying areas of conservation and preservation for the benefit of protecting persons and property and that serve to provide watershed storage and designated floodplain buffer areas. These regulations have also served to have developments protect surrounding properties to a greater extent than provided naturally. For example, the County requires a greater amount of retention of stormwater post development than was present pre-development (County Land Development Regulations, 2011).

The County also has a very good recreation program. Through this program and similar initiatives through State and Federal agencies, the County contains resource-based open space that also serves as watershed volume storage and buffers to various categories of floodplains.

Goal 7 - Prioritize capital projects that will mitigate flood impacts in those areas of the County that have experienced significant flooding problems. While developing the Local Mitigation Strategy (adopted by the Board of County Commissioners), the Hazard Mitigation Section worked with a countywide Local Mitigation Strategy (LMS) Committee to design a prioritization system for mitigation activities. Through the use of this system, the LMS Committee ranked various mitigation projects with respect to the risk to the community, to the number of persons affected, and meeting objectives of the Local Mitigation Strategy. This information has been used in requesting funds from the State, Federal Agencies, and the Board of County Commissioners. Additionally, the list of prioritized projects within the LMS was developed by taking into consideration current programs implemented through the Public Works Department, which included the current county-wide drainage studies and County stormwater programs. As illustrated previously, the County submitted applications under the Tropical Storm Debby Hazard Mitigation Grant Program with one project under Tier 1 funding to assist the Tampa General Hospital. The project is for wind and flood mitigation. Additionally, the County's Public Works Department's Stormwater Section has aggressively addressed flooding hazards throughout the County through a five-year Capital Improvements Program.

Goal 8 - Develop the ability and personnel to review all capital projects in terms of a comprehensive analysis of hazard mitigation opportunities. This activity should include the assignment of a full-time hazard mitigation planner. This task continues (also see text under Goal 7). The past Planning and Growth Management Department has been dissolved and the Hazard Mitigation Section was moved into the Public Works Department with a greatly reduced resource base. In the development of the program and in 1998, the first assignment of the Hazard Mitigation Manager was to complete and have the Board of County Commissioners "adopt" a community Local Mitigation Strategy. It is the review of capital projects and prioritizing of mitigation projects within the capital projects list by the Local Mitigation Strategy Working Group that many projects are selected for consideration. These projects many times are associated with stormwater, flood protection, and infrastructure that is associated with floodplain management. The similar process does exist within cities within the County. The initial Strategy was adopted on August 18, 1999 and contains mechanisms that have Section staff evaluate capital improvement projects with respect to fulfilling hazard mitigation initiatives. This Strategy was subsequently used by the City of Tampa to address the need for a Floodplain Management Plan. In addition, members of the staff from Hillsborough County and members of the City of Tampa's staff have become Certified Floodplain Managers. The plan is in good standing.

Goal 9 – Continue to implement a hazard mitigation plan that will guide and assist the County in reviewing all new requests for development and in establishing priority for hazard mitigation projects. The County has completed work with all communities and major private-service providers within the county in analyzing risks to area residents and businesses. The community-wide document was compiled through an effort with input provided by both private and public sectors. Additionally, the community document identifies mitigation initiatives and lists prioritized projects that will assist in making the county a better prepared area against hazards that impact public/private agencies, businesses, and residents.

Current processes include reviewing areas susceptible to flooding (inland, riverine and coastal) and potential mitigation initiatives to further public safety protection and protect both public and private property. In review of various sources of data, analyses illustrate that post-FIRM structures within the Special Flood Hazard Area have not flooded due to significant natural events. This illustrates that current regulations and development review procedures work with respect to ensuring new development is protected against risks associated with the one-percent probability of flooding.

As identified, a "Local Mitigation Strategy" (LMS) was adopted by the Board of County Commissioners on August 18, 1999. The LMS was updated in 2010 (annually reviewed and updated pursuant to Florida

Statutes) to include recent activities and updates (it is recognized as compliant with the Disaster Mitigation Act of 2000 as well). This document was adopted by Hillsborough County and the three municipalities in fall of 2010. To further the LMS, the County adopted the Post-Disaster Redevelopment Plan during 2010.

Goal 10 - Review the effects and locations of areas that experience flooding and determine what steps, if any, the County can take to alleviate future impacts. Through work associated with the Local Mitigation Strategy (and the long-term redevelopment ordinance associated with disasters) and the annual review of areas and structures impact by repetitive floods, a review of past (minimal flooding during this reporting period) flooding “problems” was conducted by multiple agencies within the County. County staff principally identified that post-FIRM residential and business structures that are within the Special Flood Hazard Area have not flooded due to significant natural events. This fact illustrates future actions will remain as currently focused, which includes alleviating existing flooding problems, performing studies to better understand drainage patterns to better protect new and old developments, completing stormwater projects and continuing stormwater/drainage maintenance programs. This process is presently occurring.

Although the County is aggressively addressing stormwater-flooding issues, the County remains as a Category C jurisdiction with respect to the number of repetitive flood-loss structures. To assist in alleviating this issue, the Building Official will continue to have permit records monitored to ensure that property owners do not substantially improve structures susceptible to flooding unless steps are taken to have the structure brought into code compliance -- monitoring substantial improvements/damage. The current review period included meeting with numerous contractors and residents to review this issue.

Additionally, the County is continuing to assist residents and reduce potential impacts due to flooding disasters. The County will continue to work through its Hazard Mitigation Section efforts to remove structures from the Special Flood Hazard Areas (as resources allow), to educate citizens and businesses about flooding hazards, work with FEMA to update FIRMs and work towards minimizing threats to the community to both natural and man-made hazards. This includes educating citizens about flood and severe weather warning systems.

Repetitive Flood Loss Section: The unincorporated area of Hillsborough County has been identified as a National Flood Insurance Program category “C” community by the Federal Emergency Management Agency. A repetitive loss is defined as two (2) or more insurance claims in excess of \$1,000 each for the same property. A category “C” community is one in which ten (10) or more repetitive losses have occurred in the community. Because repetitive flood-loss properties represent approximately one third of the flood insurance claims processed by FEMA, they have made the adoption of a plan to address the specific properties in this classification a mandatory requirement for participation in the Community Rating System (CRS).

The possible activities that could be undertaken to reduce potential flooding to repetitive loss properties must be balanced with rights of property owners, the ability of the County to finance various activities and the potential benefits of those activities. Considering these variables, the County has undertaken the following:

- The Engineering and Environmental Services Division, Public Works Department has resource constraints and did perform some levels of work to update the list of repetitive loss properties, which in the past has requested to have permit records appropriately identified. The permit tracking system is used in the process of monitoring permit activity associated with specific structures to ensure construction activity (based upon reported values). (This process is as defined in the Flood Damage Control Regulations.)

- Pursuant to the requirements of the National Flood Insurance Program, the County through the Community Rating System Coordinator has sent properties within repetitive-loss areas a brochure that that their homes are susceptible to flooding and include information on retrofitting, elevation, relocation and stormwater protection. In addition, these residences have routinely been provided notice when potential funding becomes available to mitigate future losses to their structures. However, this year staff did not send individual property owners respective notices and deferred interested parties to the State to have an application completed. During the previous eight years, the notification letter included a notice of funding availability through PDM, FMA (later SRL) and HMGP grant programs. In response to the program, several applicants decided to drop the program shortly after its award. Added, repetitive loss properties have received the County's outreach brochure and remain identified within the County's permitting system so that staff may advise property owners of construction and mitigation activities when inquiries about properties are made.
- The Engineering and Environmental Services Division, Public Works Department during the past year did review AW forms and performed site visits to repetitive-flood loss areas and most structures. Because of resource constraints, the result of this assessment did not result in a comprehensively update.
- The County (through the Community Rating System Coordinator) did request.
- The Community Rating System Coordinator worked with the Stormwater section of Public Works to review flood losses. Although, a comprehensive review of areas susceptible to flooding were reviewed in the context of updates to Stormwater Master Plans, respective reviews have not provided significantly different data from what has been identified within the work that was performed in the past decade to address flood-protection along with supporting infrastructure. In the coming year, the Information obtained from this analysis will be considered for the inclusion into the Local Mitigation Strategy (will be required to be updated and readopted in the coming year, 2014). The actual process of reviewing flood-loss data is an annual task to identify to County managing staff any emerging patterns of flooding – there have not been identified any such patterns other than that associated with known areas. These patterns are used in the decision process for zoning changes and prioritization of capital projects listed (includes thos that are listed within the LMS and is provided to the Public Works Department's Stormwater Section. There has not been a change to currently known patterns.

Flood Damage Prevention Action Plan: Taking into consideration the existing fiscal constraints in Hillsborough County and the realization that all floodplain management activities are conducted through various agency-operating budgets, the following action plan is designed to serve as a balanced, comprehensive program to mitigate and manage the impact of development activity in the floodplain.

- Prevention – Development Services Department, Planning and Zoning Division conducts County regulatory review activities associated with land-development requests, which includes reviewing the need for preservation of open space for mitigating impacts associated with development in identified floodplain area. The County's Land Development Code (LDC) and the Construction Code provide regulations that limit and manage development activity in the floodplain by limiting encroachment into wetlands and preserving open space. This is primarily accomplished by ensuring limitations on impervious surface and preservation of critical areas.
- Stormwater Management -- The enforcement of the Land Development Code to ensure requests for development retains and attenuates stormwater impacts. Specifically, the Stormwater Technical Manual continues to be used to regulate all development, whether it is located within or outside of the floodplain. The Stormwater Management Section of the Public Works Department evaluates each flood event to determine the effectiveness of recently constructed projects and identify potential additional projects or improvements. The County's budget includes funding for the alternatives identified in the revised Watershed Management Plans for the County's seventeen

basins as identified in the Stormwater Management Element of the County's Comprehensive Plan, which have been adopted and used to update the Flood Insurance Rate Map – a modification did occur to FIRMs with four panels.

- Drainage System Maintenance -- The County continues to take the appropriate actions to maintain the County's stormwater management systems. The Water and Public Works Departments, through maintenance programs funded by its operating budget, maintains the stormwater conveyance systems to ensure that flooding impacts are minimized.
- Property Protection through Acquisition – There were no acquisitions during the current reporting period of October 2012 to September 2013. Since 1998, the County has used matching funds with State and Federal Funding (initiated through the Hazard Mitigation Program) to acquire or elevate 22 properties that have experienced repetitive losses due to flooding – one such project was completed this past year after four years of design and construction.

Additionally, through land acquisition purchases by the Environmental Land Acquisition Program, the County will continue to remove property located in the floodplain from the impacts of development. The continuing implementation of this program regarding flood mitigation is important because the removal of property located in the floodplain and its preservation as resource-based recreation maintains storage capacity and removes respective floodplain areas from potential development. A complimentary benefit is the acquisition of adjacent uplands as open space further reduces the introduction of impervious surfaces that can contribute to flooding problems -- buffer to floodplains.

- Building Elevation -- Through the enforcement of the County's Flood Damage Control Regulations (Ordinance) and in conjunction with its participation in the National Flood Insurance Program Community Rating System, structures located in floodplains will continue to be identified for elevation to mitigate for their location in flood-prone areas. The most recent project was completed during the past year. Previously, the Hazard Mitigation program looked into acquiring a repetitive flood-loss structure during the 2006 to 2007 reporting year; whereby, an award to a resident was obtained but the County could not identify the public good that outweighed the individual good for this situation due to associated continued maintenance. The County performed a modified elevation for one structure during the past year and has applied for several others in this reporting period. The County views this activity as a major contribution toward mitigating the impacts of flooding.
- Insurance -- The County will continue to actively participate in the National Flood Insurance Program. A major contribution to this effort is the recognition of the Community Rating System program is managed by a full-time staff member; however, the program has limited resources at this time. To this end, the County has developed a Hazard Mitigation program staffed full-time. As part of the program, it is recognized that a major emphasis should be placed on the education of those property owners who are located in the floodplain that they should secure flood insurance. Increased insurance policies will add protection to policyholders during times of flooding; for example, the magnitude of potential flooded structures may include about 42,000 structures indicated by FEMA or as great as 57,000 parcels that are (or could be) built upon (County data).

7. Emergency Services -- The coordination of emergency services during times of flooding is through the Office of Emergency Management (OEM). The OEM is responsible for coordinating publication of the County's annual evacuation and severe weather warning publication and in activating the County's warning systems.

- Flood Warning -- When the National Weather Service issues flood watch or warnings, the Emergency Operation Center (EOC) initiates those activities appropriate to the potential threat of the event.

- Flood Response -- Through the EOC, the Public Works Department as an Emergency Service Function within the EOC furnishes sandbags to County residents at Public Works Department facilities located throughout the county. If evacuation is deemed necessary, the EOC opens shelters in affected areas and coordinates activities of the Sheriff's Office, the Health Department, the Red Cross Emergency Medical services and other agencies as required to accomplish a safe evacuation.
8. Structural Projects -- The County's Stormwater Program was approved by the Board of County Commission in fiscal year 1998 and continues to be funded for implementation. These activities include projects that implement the County's Master Drainage Plan. County staff reviews, evaluates and prioritizes needs so that available funding is allocated to those projects that are most critical in alleviating flood impacts.
 9. Storm Sewers -- The County, as part of its Capital Improvements Program continuously provides funding for the reconstruction of obsolete storm sewer systems. This activity includes the replacement of storm pipes, manholes, end walls, culverts and conveyance systems. The CIP also provides funding for individual projects designed to alleviate flooding problems in specific locations in the County.
 10. Retention -- Each development, whether private or public, is required to meet the provisions of the Stormwater Technical Manual. Instead of providing reservoirs to store stormwater runoff, each project must provide on-site retention of its runoff and/or tie into the County's stormwater system. As part of the County's effort to retrofit its stormwater system, funding in the Capital Improvement Program is provided to acquire property and construct stormwater retention facilities to alleviate flooding impacts to roads and private property.
 11. Public Information -- The County has undertaken various activities that advise property owners concerning the hazards and potential mitigating activities associated with building in the floodplains. This is evident through the County's participation with FEMA as a Cooperating Technical Partner and through the annual mailout to all property owners of floodplain properties (approximately 60,000 properties).
 12. Map information -- Residents, both existing and potential, can access information relating to the floodplains at the Permit Services Center. Floodplain determinations can be requested that provide an official determination of whether a property is located, fully or partially, within a floodplain. Additionally, the County has mapped the floodplains on its Geographical Information System (GIS). The County has also mapped the storm surge from hurricanes based on the SLOSH model.

Conclusion: During the period of October 1, 2012 to September 30, 2013, the County initiated the flood-warning system due to Tropical Storm Andrea (see Activity 610). Using the GIS and information provided through the State and the National Weather Service Office in Ruskin, the County assessed that 3,900 parcels were affected by the storm surge. The added tide was between two to four feet, but there were no reports of affected structures, which was less than the six to nine structures flooded in the previous year. The County did complete its work with FEMA in having four Flood Insurance Rate Map panels updated through the Physical Map Revision process, which will take effect on September 27, 2013. The stakeholder group that was created and that represented citizens, realtors, insurance agents, lenders, and engineers did assist in bringing this project to an end and respective recommendations regarding outreach tasks and education were implemented. The County is currently updating a few watershed master plans to better identify flood-hazard boundaries. These updates will be used to further update

FIRMs in the future through a Letter of Map Change process. This analysis, and an assessment of other funding sources for mitigation, will continue during the next review period. Recommendations associated with this effort may be forwarded to the County’s Administrator’s Office for further direction if appropriate. Additionally, the County has entered into an agreement with the State in the development of a long-term post-disaster redevelopment plan that will verify risks areas to better rebuild following a disaster, but will also build greater resiliency into these areas due to action to be taken pre- and post-disaster.

OBJECTIVES

Local Mitigation Strategy, Floodplain Management Plan Implementing Objectives		Provide leadership in protecting low-income properties and public housing from the impacts of floods.
		Prevent new development in the floodplain from increasing runoff and resulting in increases in flood volumes in the floodplain.
		Develop a public awareness program that informs <u>all</u> property owners in the flood zones that they are located in a flood zone.
		Provide advice and assistance to property owners concerning the protection of their properties from flooding, local drainage and sewer back-up problems.
		Develop and aggressive program to identify and obtain funding for both pre and post disaster mitigation projects.
		Continue and enhance existing programs that acquire wetland areas for passive recreation uses while providing significant watershed volume storage and buffer areas from the floodplain.
		Prioritize capital projects that will mitigate flood impacts in those areas of the County that have experienced significant flooding problems.
		Develop the ability and personnel to review all capital projects in terms of a comprehensive analysis of hazard mitigation opportunities. This activity should include the assignment of a full-time hazard mitigation planner.
		Continue to implement a hazard mitigation plan that will guide and assist the County in reviewing all new requests for development and in establishing priority for hazard mitigation projects, which includes flooding.
		Review the effects and locations of areas that experience flooding and determine what steps, if any, the County can take to alleviate future impacts.

Source: Hillsborough County Planning and Growth Management, Hazard Mitigation, 2010.

Review Plan Activities

FPMP Tables 9 through 13 illustrates flooding mitigation activities within the Local Mitigation Strategy (LMS, Section V, beginning on page V-10). Mitigation activities are both specific to the type of flooding and general to flood mitigation that is applicable throughout the community.

**TABLE 3
FLOODPLAIN MANAGEMENT, MITIGATION SPECIFIC TO FLOODING EVENTS**

Coastal or Riverine Erosion	While the County has miles of coastline, a large majority of the developed coastal shoreline has been hardened by seawalls. The seawalls, while not an environmentally preferred mitigation option, do minimize erosion from minor to moderate flooding events. Strategies to protect the more pristine coastal areas of the community against erosion include: acquisition of sensitive coastal areas through either the county-wide Environmental Lands Acquisition Preservation Program or various state programs such as Florida Forever; adherence to current engineering standards, vegetation and setbacks.
Hurricanes and Tropical Storms	There is a multitude of approaches to mitigate effects from hurricanes. The following illustrates mitigation initiatives that have been the most effective within the region and throughout the U.S. • <i>Public awareness and evacuation plans</i> -- The loss of life due to hurricanes has been reduced due to warning and forecast advances, public awareness programs and the development of evacuation plans. Evacuation efforts and the knowledge of the evacuation process assist in moving residents from areas vulnerable to storm surge, historically the major hurricane "killer". However, local officials recognize that public education is key to the success of any response plan especially in the densely populated metropolitan communities such as Tampa Bay. • <i>Building construction</i> -- Mitigation of property damage has been most successful in areas specifically designated special flood hazard areas through the implementation of construction codes, land-development regulations and growth management policies. • <i>Special flood hazard area setbacks</i> -- Land-development regulations developed in response to the county and cities participation in the National Flood Insurance Program have ensured structures constructed within the previous 20 years are elevated above base flood elevations and can withstand potential wave action. In addition, the implementation of Comprehensive Plan policies and the creation of a local Environmental Protection Commission have further minimized flooding impacts. • Development prior to the adoption of various mitigation policies and regulations remains more susceptible to damage. Public education programs have been initiated to assist businesses and residents learn about retrofitting techniques. Mitigation strategies have also included repetitive loss acquisitions, structural elevations, wind retrofit projects, critical facility retrofits and acquisition of designated conservation areas.
Flooding	Warnings of potential flooding, or of an actual flood, are the responsibility of the National Weather Service (NWS) and the Florida Division of Emergency Management (DEM). Warning time for flood events may vary significantly. The least warning time would be with severe thunderstorms, which occur frequently in our area, but give little notice as to the extent of rainfall that can be produce in various parts of the County. With regard to riverine flooding as little as 4-6 hours of warning are possible. An average warning time for coastal flooding would be about 12 - 18 hours, however certain systems could produce more or less warning time. In addition to warnings and public notification, there are other measures of protecting against floods. All the jurisdictions in Hillsborough County participate in the National Flood Insurance Program (NFIP). Through this participation, standards exist for mitigation development in areas designated as flooding. About 54% of the 181,486 vacant acres in the 100-year floodplain are to be developed for residential, commercial, industrial uses or public facilities, indicating risk reduction strategies should be considered prior to development of this vacant land. Source: Hillsborough County Profile /Integration of the Local Mitigation Strategy into the Local Comprehensive Plan/Florida Department of Community Affairs/2009 update. Through the NFIP, development regulations have been approved that assist in ensuring new development is designed and constructed in a fashion that is more flood-resistant and out of the 100-year floodplain.
Tsunamis	As noted above, the likelihood of a tsunamis affecting Florida is slight. Even so, the possibility of a tsunami affecting the eastern coast of Florida is real. Consequently, emergency management professionals should remain on alert to those events which may result in a tsunami.
Dam/Levee Failures	The State and industry have in-place federally approved dam inspection processes (Federal Insurance Agency, 1998). Areas associated with mining have been identified on growth management maps and within the Hillsborough County Comprehensive Plan. Use of these programs and continued cooperation between the County, State, and industry will serve to

	minimize the risks of dam failures within Hillsborough County.	
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In review of the above generalized mitigation techniques, a comprehensive review of mitigation guiding principals are reviewed and included within the Local Mitigation Strategy, Section 5, pages V-1 through V-15. Within the review, the following mitigation subject areas are analyzed and have been affirmed by the Board of County Commissioners as mitigation guidance for respective subject areas:

**TABLE 4
GUIDING PRINCIPALS**

MITIGATION	GUIDING PRINCIPAL	DESCRIPTION
OBJECTIVES	Public Education	Increase public awareness in the use of mitigation programs and techniques to reduce the impacts of natural and man-made hazards.
	Coordination	Coordinate public and private sector participation in identifying and managing and/or implementing mitigation projects and measures throughout Hillsborough County.
	Development Management	Identify and implement a combination of regulatory, incentive and initiative programs that will reduce potential loss and would encourage participation in ongoing hazard mitigation.
	Critical Facilities	Develop and maintain an inventory management system on all data affecting hazard mitigation.
EVALUATION OF EXISTING AUTHORITIES . . . RESOURCES	Regulatory Review	Local governments employ regulatory procedures that manage growth through the development review process. These regulations are principally associated with mitigating the impacts of development associated with floodplains/floodways (includes the establishment of base-flood elevations or identification of floodproofing), wetlands, and coastal high-hazard areas.
	Plans and policy implementation	The adopted Local Government Comprehensive Plans are used to guide growth based upon factors such as: development limitations, public-service provision and environmental resource protection. Additionally, the County and municipalities have adopted other plans for use in mitigating hazards and in the Development review process.
	Program implementation	The County has implemented programs that are effective in mitigating hazards, which are mostly confined to hazards associated with flooding, at this time. Some plans are not unified or integrated. One of the principal purposes of the Local Mitigation Strategy is to unify these programs and “identify areas for strengthening” to ensure implementation of the Local Mitigation Strategy. Plans principally associated with mitigating development that are becoming better integrated are: Post - Disaster Redevelopment Plan; Greenways and environmental lands acquisition – some areas identified for acquisition may serve a dual purpose (recreation/preservation and hazard mitigation); National Flood Insurance Program and the Community Rating System criteria provides for the provision of flood insurance; Floodplain

		Management and Stormwater drainage programs – these programs have been established to minimize and mitigate flooding hazards.
COOPERATING TECHNICAL PARTNER (CTP) PROGRAM AND THE DIGITAL FLOOD INSURANCE RATE MAP (DFIRM)	CTP Program	2009 – Anticipate adding a mechanism in which the county will assist in updating the DFIRMs.
NATIONAL FLOOD INSURANCE PROGRAM (NFIP)	Compliance	All jurisdictions are active participants in the NFIP. In an effort to ensure continued compliance with the NFIP, each participating community will: 1. Continue to enforce their adopted Floodplain Management Ordinance requirements, which include regulating all new development and substantial improvements in Special Flood and Coastal High Hazard Areas (SFHAs and CHHAs); 2. Continue to maintain all records pertaining to floodplain development, which shall be available for public inspection; 3. Continue to notify the public when there are proposed changes to the floodplain ordinance or Flood Insurance Rate Maps; 4. Maintain the map and changes identified through Letters of Map Amendment; Revisions or changes; 5. Continue to promote Flood Insurance for all properties; 6. Continue their Community Rating System outreach programs
	Repetitive Loss Initiative	Implementation of the Floodplain Management Plan
	Flood Mitigation Activities	The possible activities that can be undertaken to reduce potential flooding to repetitive loss properties must be balanced with rights of property owners, the ability of the County to finance various activities and the potential benefits of those activities. Considering these variables, the County has undertaken the following steps: update the list of repetitive loss properties on an annual basis; provide properties within repetitive-loss areas a bulletin or personal warning of risk in the respective area; perform reviews and site visits, where appropriate, for all repetitive loss structures; and perform an analysis of flood annual losses.

	Flood Damage Prevention Action Plan	Taking into consideration the existing fiscal constraints in Hillsborough County and the realization that all floodplain management activities are conducted through various agency-operating budgets, the following action plan is designed to serve as a general design to mitigate and manage the impact of development activity in the floodplain: Prevention; Stormwater Management; Drainage System Maintenance; Property Protection through Acquisition; Land acquisition purchases by the Environmental Land Acquisition and Protection Program (ELAPP); Building Elevation; Insurance; Emergency Services; Structural Projects; Storm Sewers; On-Site Attenuation; Public Information; and Map information.
	Community Rating System (CRS) Overview	Implementation of tasks per activities: 300, 400, 500, and 600.

13. Were any objectives not reached or is implementation behind schedule? If so, state why: Goals and actions are being met: The following illustrates those items addressed in the preceding period either fully or partially. The County is again in the process of reviewing updated watershed master plans for several watersheds in Hillsborough County. These will be used to direct Capital Improvement Projects, utilize Community Investment Taxes, eventually update models used to update Flood Insurance Rate Maps, and assist in creating new flood response systems. The County has permanently funded a Hazard Mitigation Program; although, to positions associated with daily implementation have been moved to another agency but remain assigned to the program's implementation. Another added senior position selected the County's offer for an early retirement, which the position worked with AW forms, assistance grants, and repetitive flood-loss notifications. These staff changes are in addition to the loss of the Senior Planner position that occurred the year before, which also served as the CRS Coordinator as delegated by the Manager of the Hazard Mitigation Program. The lead of the CRS program has moved principal operations to the Public Works Department, Engineering and Construction Services
14. Should new projects be started or should any of the recommendations or objectives be revised? The following are activities that did not fully meet objectives; whereby, respective activities are continuing:
- Each year the County sends repetitive flood-loss property owners a letter illustrating available programs, which the County's staff provides follow-up to interested parties. However, during this year, the County's team, at the time in which letters were to be sent, received the resignation of a key individual. The resignation of the Hazard Mitigation Program's Contract Manager did affect the ability to send and respond to respective property owners. It is anticipated the process will be performed in the next year with the hiring of an individual to fill the position. Such assistance will, among other things, provide a notification to advise property owners and businesses of flood hazards, methods of protection and any financial assistance that may be available to them for flood mitigation projects – pursuant to the adopted floodplain management plan. Additionally, respective repetitive flood-loss property owners are to be notified about Federal and State assistance through various grant programs.
 - Each year the Hazard Mitigation Program (Program) has integrated activities with other agencies to provide information at various citizen meetings, which includes Hispanic community meetings. These events are at schools, churches, and other areas with easy access for the public. Because of limited resources, the County was unable to attend all outreach opportunities. However, flood and disaster preparedness was provided to meet with residents at schedule workshops no less than seven times.
 - The County has maintained National Flood Insurance Program (NFIP) resource libraries within local permitting offices with minimal maintenance. The lack of resources and also in demand for materials, maintenance to this program will be made on a per request basis. The materials are taken to meetings and other community events, which augments the provision of information. Also, citizens may request materials through any of the County's Development Services and Engineering and Construction Services Offices.
 - As part of the educational program, information is anticipated to increase through media avenues such

as through the County's Newsletter, utility-bill notifications, the newsletters within the three (3) cities, and links to FEMA (www.fema.gov) and the State of Florida (www.floridadisaster.org). Requests for such participation was affected by resource allocations during the past reporting cycle.

- The County is currently updating a few watershed master plans to better identify flood-hazard boundaries. These updates have begun and will continue to further update FIRMs through a Letter of Map Revision and Map Change processes; however, a request has been made of FEMA Region IV to have respective modifications programmed within a scheduled.
- An assessment of grant-funding sources for mitigation will continue during the next cycle period; except at a slower pace due to resource constraints.
- The County has been delayed in meeting long-term post-disaster redevelopment plan activities associated with mitigation to disasters. This process adds to flood protection to better rebuild following a disaster, but will also build greater resiliency into these areas due to action pre- and post-disaster. In addition to the aforementioned, refer to the report with Activity 330, which provides greater detail with the following items to seek to achieve in the coming year:

10. Progress Report discussed and/or made available at a public meeting: Information contained within this year's cycle package was discussed during five public workshops scheduled in early and mid August. Meetings were identified on the County Calendar with date and times published so to ensure proper notice was provided to the public. Additionally, the Communications Department provided informational signage in advance of each meeting.

Activity Background -- Activity 500

Activities 502 (510 Annual Report in included within this Section) – Repetitive Flood-Loss Outreach

The County continues to notify repetitive flood-loss property owners about the risk of living within the Special Flood and Coastal High Hazard Areas and about programs that are available to assist in removing the structure from being designated as such a structure. In addition, the communiqué illustrates that County team members are available to assist through the process. During this reporting period, the Hillsborough County Board of County Commissioners did collaborate with the State and the City of Tampa in working with residents regarding potential grant programs and providing assistance.

Repetitive_Loss_Structures2013

FOLIO	FOLIO_NUMB	OWNER	ADDR_1	ADDR_2	CITY	STATE	ZIP	SITE_ADDR	SITE_CITY	SITE_ZIP	RLS
0740940288	74094.0288	ST CHARLES PLACE HOMEOWNERS ASSOCIATION INC	C/O LELAND MANAGEMENT	6972 LAKE GLORIA BLVD	ORLANDO	FL	32809-3200	0			
0740940246	74094.0246	ROSAMARIE LORENZO	10812 JOHANNA AVE		RIVERVIEW	FL	33578-4402	10812 JOHANNA AVE	RIVERVIEW	33578	IN
0721249008	72124.9008	CEREISE MULLINGS	10908 KENSINGTON PARK AVE		RIVERVIEW	FL	33578-4497	10908 KENSINGTON PARK AVE	RIVERVIEW	33578	IN
0721249066	72124.8966	TIFFANY DABBS	1878 TIMBERLAKE DR		ROCK HILL	SC	29732-1040	10804 KENSINGTON PARK AVE	RIVERVIEW	33578	IN
0741470001	74147.0001	RED APPLE AT WINTHROP LLC	6245 N FEDERAL HWY STE 500		FORT LAUDERDALE	FL	33308-1905	6306 SCHOLARS HILL LN	RIVERVIEW	33578	IN
0740940250	74094.0250	JENNIE BARBER	10830 JOHANNA AVE		RIVERVIEW	FL	33578-4402	10830 JOHANNA AVE	RIVERVIEW	33578	IN
0740940254	74094.0254	MICHELE A MCCOY	10834 JOHANNA AVE		RIVERVIEW	FL	33578-4402	10834 JOHANNA AVE	RIVERVIEW	33578	IN
0740940286	74094.0286	ST CHARLES PLACE HOMEOWNERS ASSOCIATION INC	C/O LELAND MANAGEMENT	6972 LAKE GLORIA BLVD	ORLANDO	FL	32809-3200	0			
0721249006	72124.9006	KWABENA SABBY	PO BOX 13012		JACKSON	MS	39236-3012	10906 KENSINGTON PARK AVE	RIVERVIEW	33578	IN
0743880000	74388.0000	JEAN C SHENEFIELD ET AL / TRUSTEES	4414 W LACKLAND PL		TAMPA	FL	33616-1426	11101 CRESCENT LAKE DR	RIVERVIEW	33578	IN
0744056042	74405.6042	DAVID E AND CHARLOTTE K FLETCHER	PO BOX 426		GIBSONTON	FL	33534-0426	6804 MATHERS LN	RIVERVIEW	33578	IN
0743760000	74376.0000	ANGELA COOKE	4520 VILLA CAPRI LN		BONITA SPRINGS	FL	34134-7208	11131 ROBERTS LN	RIVERVIEW	33578	IN
0743820000	74382.0000	ALFRED L AND LINDA D KING	11118 ROBERTS LN		RIVERVIEW	FL	33578-4539	11118 ROBERTS LN	RIVERVIEW	33578	IN
0721249060	72124.9060	IGOR AREINAMO AND ROSANGELA ARATO AREINAMO	12701 S JOHN YOUNG PKWY STE 219		ORLANDO	FL	32837-3423	10831 KENSINGTON PARK AVE	RIVERVIEW	33578	IN
0721249018	72124.9018	SUMNER AND SUMNER LLC	3807 S NINE DR		VALRICO	FL	33596-8268	10931 KENSINGTON PARK AVE	RIVERVIEW	33578	IN
0563620040	56362.0040	WILLIAM H III AND CHRISTY L EPPS	1017 SEMINOLE SKY DR		RUSKIN	FL	33570-2024	1017 SEMINOLE SKY DR	RUSKIN	33570	IN



YOUR REPETITIVE FLOOD HAZARD RISK

You are receiving this informational flyer because your property is in, or near, an area that is known for repetitive flooding. Most areas subject to repeat flooding within Hillsborough County are due to significant rainfall events or due to tropical-storm surges. Although your structure may or may not have been affected by past flooding, this brochure is provided to you to increase your awareness of flood threats to you and your property. This brochure also provides information about flood-safety; property-protection measures; construction in a flood-hazard area; flood insurance; functions of floodplains and wetlands; and much more.

Even if your structure has been removed from a high-risk flood zone through a Letter of Map Revision or Letter of Map Amendment, it is still possible that parts of your property could be damaged or the access roads for your area could be submerged in an extreme weather event. Therefore, you should review the information and phone numbers in case they are needed.

This outreach is a part of Hillsborough County's floodplain management activities and in participation with Federal Emergency Management Agency efforts. These activities are reviewed on an annual basis through the National Flood Insurance Program and result in residents receiving discounted flood insurance rates. Currently, the County is within the top 3% of all municipalities in the nation for aggressive floodplain activities. Residents within the



unincorporated county receive greater than \$5 million dollars combined in discounts annually on their flood insurance rates due to these efforts.

FLOOD INSURANCE

Flood insurance protects you from the financial devastation caused by floods. Even a few inches of water can bring thousands of dollars in repair and restoration costs. Most homeowners insurance does not cover floods. You need flood insurance, which is available through the federally-underwritten National Flood Insurance Program.

Flood insurance, like earthquake insurance, is "single peril" insurance, sold separately from homeowners insurance. Flood insurance protects against losses to buildings and their contents, not the land surrounding them. The coverage applies whether the flooding results from heavy or prolonged rains, coastal storm surge, blocked storm drainage systems, levee or dam failure, or other causes. To be designated a flood, the waters must cover at least two acres or affect at least two properties. However, a flood claim may be requested any time a structure is affected by rising water.

Flood insurance is available both within and outside of the high-risk flood zone. Your property's flood risk is shown on the County's flood hazard maps, which is located on the website listed in this brochure. Different types of policies are available depending on your flood risk. You will need to ask your insurance agent for more information. An agent locator is available online that at www.floodsmart.gov.

If you own property with a structure in the high-risk flood area, you will most likely need a flood insurance policy. Most mortgage lenders will require that you have such a policy as part of your loan agreement.

If your structure was built prior to 1980, it is considered Pre-FIRM (Pre-Flood Insurance Rate Map construction) and follows a specific pricing schedule. Congress has recently made changes to subsidies provided through the National

Flood Insurance Program. For more information, a Federal Emergency Management Agency (FEMA) brochure may be viewed at www.fema.gov/media-library-data/20130726-1909-25045-0554/bw12_sec_205_207_factsheet4_13_2013.pdf. The FEMA bulletin explains most recent changes made to the program by the U.S. Congress. Additional information may be found on the Hillsborough County website at: www.HillsboroughCounty.org/index.aspx?nid=1791. If your structure was built after June 18, 1980, your structure is considered Post-FIRM with a different pricing schedule. For more information about changes made by Congress, go to the National Flood Insurance Program's (NFIP) website: www.fema.gov/flood-insurance-reform-act-2012.

Flood insurance covers both homes and businesses. With residential coverage, you can buy up to \$250,000 of insurance to protect your structure and up to \$100,000 to protect its contents. If you are located in a high-risk area, federally regulated or insured lenders will require you to have flood insurance for the amount remaining on your mortgage, or \$250,000, whichever is lower.

Outside of high-risk areas, flood insurance is also available, usually at lower cost. A Preferred Risk Policy covers both a home and its contents, with premiums as low as \$129 per year. While you're not federally required to have flood insurance in a low-to-moderate risk area, that does not mean you won't ever need it. Large floods often extend beyond the boundaries of high-risk areas, and smaller floods occur outside high-risk areas as well. In fact, a quarter of all flood insurance claims come from low-to-moderate risk areas.

Also, remember that most policies take 30 days to become effective before they can be used. More information about flood insurance is available by going online to www.floodsmart.gov.

Hillsborough County is a Class 5 Community (top 3% nationally) within the Community Rating System. This provides residents with high-risk flood policies a 25% discount and standard low-risk policies a 10% discount. There are no additional reductions for Preferred-Risk Policies, which are already discounted.

Updated September 2013



IMPORTANT NUMBERS AND ADDRESSES

Hillsborough County Hazard Mitigation Program
County Center, 22nd Floor, 601 E. Kennedy Blvd., Tampa, Florida 33602

For Hillsborough County:
Hazard Mitigation Program 813-307-4541
Development Services 813-272-5600
Storm Sewer Problems 813-635-5400

For City of Tampa:
Stormwater Operations 813-622-1901
Construction Service Center 813-274-3100

For City of Temple Terrace: 813-506-6570

For City of Plant City: 813-659-4200

FLOOD MAP WEBSITE

For more information on the County's flood maps, repetitive flood loss areas, flood insurance, and general tips on flood safety, visit: www.HillsboroughCounty.org/FloodMaps. For information on evacuation zones and risk to storm surge, visit: www.HillsboroughCounty.org/Emergency and select "2013 Hurricane Season", then "The Hurricane Evacuation Assessment Tool (HEAT)" link.

NOTE: If you have received this publication in error or have had your structure officially removed from the high-risk flood hazard area by way of a Letter of Map Revision or Letter of Map Amendment, please disregard mandatory insurance information, but retain for future flooding and safety issues. Note that being mapped out of a high-risk area does not remove the risk for flooding. It is only reduced.

Si usted necesita información en Español, favor de llamar a la Línea de Información del Condado de Hillsborough al 813-272-5900.

QUESTIONS ABOUT OTHER COUNTY SERVICES?

Call the Hillsborough InfoLine at 813-272-5900.

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Hazard Mitigation Program
County Center
Public Works Department
County Center, P.O. Box 110, 22nd Floor
Tampa, FL 33601
1345



Public Works Department

Hillsborough County

Information For Residents In The High-Risk Flood Zone



TYPES OF FLOODING

While flooding can occur anytime and anywhere when heavy or steady rain occurs, Hillsborough County's flooding can generally be categorized as "coastal," "inland," and "riverine" flooding.

- **Coastal flooding** is typical in South County areas, such as Apollo Beach, Ruskin, and west of U.S. Hwy. 41. Parts of Town 'N Country (south of Memorial Hwy.) are subject to this kind of flooding. Often, this flooding is associated with a tropical storm and includes damaging waves.
- **Inland flooding** occurs when lakes rise above normal levels or when depressions in the land are filled with rain and create "ponds." Development is also partially to blame, as natural surfaces are paved and do not allow for water absorption into the ground at the normal rate. Hillsborough County does require developers to account for this as directed by the Land Development Code and the Stormwater Technical Manual. Areas in the Northwest portion of the County near Odessa and in Lutz are frequently subject to this kind of flooding.
- **Riverine flooding** is often caused by flooding of rivers over their banks. Also, abnormally high tides in the Bay can reduce the ability of streams and rivers to discharge, causing them to overflow. Areas along the Hillsborough, Alafia and Little Manatee Rivers suffer recurring losses due to this hazard.

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There are repetitive flood-loss properties within the areas listed in the column to the left. A map showing areas of repetitive losses is available for review at the John F. Germany Library in downtown Tampa or at www.HillsboroughCounty.org/FloodMaps.

REPETITIVE FLOOD LOSSES

Flooding is the most costly and repetitive natural disaster affecting Hillsborough County. To assist those who have been affected by repetitive floods and who are insured through the National Flood Insurance Program (NFIP), the Federal government provides periodic funding assistance to those property owners who have received multiple NFIP flood-insurance payments and who also meet other specific eligibility requirements. Repetitive flood-losses for your home or business, according to the NFIP, are when a structure has received two or more claim payments of more than \$1,000 from the NFIP within any rolling 10-year period.

Assistance with FEMA flood-loss programs is provided through the Florida Division of Emergency Management, which is the state coordinating agency that works closely with the County to provide local assistance. More detailed information may be obtained about these programs at www.floridadisaster.org/mitigation/index.htm or by calling the County's Hazard Mitigation Program at 813-276-8245.

If you do have a structure that has received flood damage, you may be interested in more permanent flood protection measures, may include retrofitting your structure. More information may be found in FEMA's *Homeowner's Guide to Retrofitting: Six Ways to Protect Your House from Flooding*, which is available at www.FEMA.gov.

Some flood protection measures do need a building permit and others may not be safe for your type of building, so be sure to talk to the Hillsborough County Development Services Department at 813-272-5920.

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Additionally, you should have a personal disaster plan in the event of a disaster. Information is available through the Hillsborough County Citizen Action Center at 813-272-6900, at www.HillsboroughCounty.org/Emergency or through the Tampa Bay Regional Planning Council at 727-570-5151 or on the web at www.tampabaydisaster.org.

There is also emergency information available in free "Hurricane Guides," which are available at County facilities and other locations, such as post offices.

PROPERTY PROTECTION MEASURES

The following methods may assist in protecting your home:

- You can divert water from your property by regrading or by constructing an earthen berm. The construction of swales (a shallow ditch) and retention areas are other alternatives. These methods may require permits and should be discussed with the Development Services Department at 813-272-5920.
- In extreme weather, you may need to use sandbagging in conjunction with other materials to seal openings and cracks. Listen to which government facilities are providing sandbags.
- If roof drainage from your home is causing a problem, gutters can help direct the runoff away from your house.

The County Hazard Mitigation Program also has copies of (or can provide access to) design publications that may assist in floodproofing and repairing your home or business. You also may request a staff member visit your property for further information on retrofitting, remodeling and other topics.

Contact the Hazard Mitigation Program by calling 813-307-4541 or visiting them at the address listed in the back of this publication.

DRAINAGE REQUIREMENTS

One way to reduce flooding around your property is to ensure that water drains correctly. Here are some tips on improving drainage:

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- Do not place any debris – lawn trash or otherwise – in stormwater inlets, ditches or other waterways. Dumping into the drainage system can easily create blockages that result in flooding during a severe rain – the house you flood may be your own!

Also, it is a violation of the Hillsborough County Environmental Protection Commission (EPC) Waste Management Rule 1-7 and Stormwater Ordinance 94-15, to dump anything into any public drainage system. Contact the EPC at 813-627-2600 if you witness a problem with dumping.

- Always check with the Development Services Department's Natural Resources Section at 813-272-5920 before you make changes, such as grading, filling or construction on your property.

FLOOD SAFETY & INFORMATION

Stay away from flood waters! The number one cause of death during floods is drowning. High water often conceals storm drain inlets and the depth of ditches.

Driving in Flooded Areas

More people drown in their cars than anywhere else. Drive around flooded intersections or choose another route. Water depths of 6 to 10 inches are enough to ruin an engine and carry away your car (in fast-moving flood waters).

Danger Of Electricity

Do not approach electrical lines and never use electrical equipment or appliances that are wet!

Remember to turn off your electricity, check for gas leaks, be alert for animals, and watch your step for hidden hazards.

Flood Emergencies

If you have a flooding emergency or drainage problem on your property or nearby road, call the County's Public Works Department at 813-635-5400 for help.

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If maintenance of a County-owned drainage system is required, they can handle it. If the system is not maintained by the County, they can refer it for further investigation. They can also explain ways to reduce the chance of flooding and damage on your property.

FUNCTION OF FLOODPLAINS AND WETLANDS

Although much of this brochure talks about the concerns surrounding our County's floodplains, they also serve a positive function in our environment. These areas are necessary to receive, store and discharge water runoff, and help refill our groundwater supply. They also provide a place to filter pollutants and nutrients out of the water, and buffer the land from hurricane and storm surges.

Because of the benefits of floodplain areas and wetlands, there are several government efforts to protect them. The Environmental Protection Commission of Hillsborough County implements and enforces wetland protection and mitigation rules, which includes reviewing rezoning requests to decide if they will impact wetlands, requiring mitigation of destroyed wetlands and repair of affected wetlands. County residents also voted in 1987 to pay a half-mill on their property taxes to purchase environmentally-significant land in Hillsborough County through the Environmental Lands Acquisition and Protection Program (ELAPP). Since its inception, ELAPP has preserved more than 60,490 acres of land.

Additionally, with assistance from FEMA, the County's floodplain management program has purchased land from residents that was repetitively flooded in order to return the properties to a natural state. This program reduces the County's liability because it no longer needs to assist homeowners when their properties flood.

FLOODPLAIN MANAGEMENT PLAN

For more information about the County's Floodplain Management Plan, go to: www.HillsboroughCounty.org/FloodMaps. If you would like to provide input on better ways for the County to assist you with flood protection, a comment form is available on the website listed above. We appreciate your help and your comments.

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FLOODPLAIN PERMIT REQUIREMENTS

The Flood Damage Control Regulations of the County Land Development Code and Construction Code are intended to restrict or prohibit uses and/or construction that are dangerous to health, safety, property and the general welfare from increases in erosion, flood heights or fast-flowing water.

New construction or substantial improvement of any residential structure in the special flood hazard area is required to have the lowest flood elevated to or above the Base Flood Elevation, plus a freeboard requirement of no less than six (6) inches and may be up to three (3) feet depending on the building's designated risk category.

An elevation certificate that is prepared, signed and sealed by a registered land surveyor will be required. If needed, copies of elevation certificates for structures built after 1991 that were permitted in the high-risk flood zone may be available at the phone number below. Earlier elevation certificates do not have all the information required to get a new Federal flood insurance policy, and may not be sufficient if requested. Therefore, a certified surveyor will need to complete a new elevation certificate.

Development in a Coastal High Hazard Area or a Floodway is also regulated by the codes mentioned above. New construction or substantial improvements may have additional requirements that must be met.

Blank elevation certificates and flood zone determinations are available through Building Services Division by calling 813-307-4441.

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YOUR REPETITIVE FLOOD HAZARD RISK

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unincorporated county receive greater than \$5 million dollars combined in discounts annually on their flood insurance rates due to these efforts.

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Updated September 2013



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QUESTIONS ABOUT OTHER COUNTY SERVICES?

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Permit No. 295

Hazard Mitigation Program
& County Center
Public Works Department
County Center, P.O. Box 1110, 22nd Floor
Tampa, FL 33601
1245



Public Works Department

Hillsborough County

Information For Residents In The High-Risk Flood Zone



YOUR FLOOD HAZARD RISK

You are receiving this informational flyer as part of a public safety education campaign by Hillsborough County. The flyer is sent to all addresses that have at least some portion of their property within the County's high-risk flood hazard zone. The outreach mailing list is based on the current flood hazard maps, which took effect on August 28, 208. You can view the updated maps online by going to the County's website at www.HillsboroughCounty.org/FloodMaps.

Even if your structure has been removed through a Letter of Map Revision or Letter of Map Amendment, it is still possible that parts of your property could be submerged in an extreme weather event. Therefore, you should review the information and phone numbers in case they are needed.

Furthermore, this flyer is part of the County's floodplain management activities. These activities are reviewed on an annual basis through the National Flood Insurance Program and result in residents receiving discounted flood insurance rates. Currently, the County is within the top 3% of municipalities in the nation for aggressive floodplain activities. Residents within the unincorporated county receive greater than \$5 million dollars combined in discounts annually on their flood insurance rates due to these efforts.

1



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Flood Insurance protects you from the financial devastation caused by floods. Even a few inches of water can bring thousands of dollars in repair and restoration costs. Most homeowners insurance does not cover floods. You need flood insurance, which is available through the federally-underwritten National Flood Insurance Program.

Flood insurance, like earthquake insurance, is "single peril" insurance, sold separately from homeowners insurance. Flood insurance protects against losses to buildings and their contents, not the land surrounding them. The coverage applies whether the flooding results from heavy or prolonged rains, coastal storm surge, blocked storm drainage systems, levee or dam failure, or other causes. To be designated a flood, the waters must cover at least two acres or affect at least two properties. However, a flood claim may be requested any time a structure is affected by rising water.

Flood insurance is available both within and outside of the high-risk flood zone. Your property's flood risk is shown on the County's flood hazard maps, which is located on the website listed in this brochure. Different types of policies are available depending on your flood risk. You will need to ask your insurance agent for more information. An agent locator is available online at www.floodsmart.gov.

If you own property with a structure in the high-risk flood area, you will most likely need a flood insurance policy. Most mortgage lenders will require that you have such a policy as part of your loan agreement.

If your structure was built prior to 1980, it is considered Pre-FIRM (Pre-Flood Insurance Rate Map construction) and follows a specific pricing schedule. Keep in mind that your Pre-FIRM structure may have received a grandfather status or may benefit from a grandfathering status, which might lower your costs. However, the U.S. Congress has changed the subsidies under the program, which may affect your Federal flood insurance rates. For more information about changes made by congress, please go to the National Flood Insurance Program's (NFIP) website: www.fema.gov/flood-insurance-reform-act-2012.

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Remember, though, that if your Pre-FIRM structure is currently grandfathered, you will need to maintain continuous coverage in order to keep your lower insurance cost. If your structure was built after June 18, 1980, your structure is considered Post-FIRM with a different pricing schedule. Information about grandfathering and other flood insurance topics is also available on the NFIP website listed on page 2.

Flood insurance covers both homes and businesses. With residential coverage, you can buy up to \$250,000 of insurance to protect your structure and up to \$100,000 to protect its contents, if you are located in a high-risk area. Federally regulated or insured lenders will require you to have flood insurance for the amount remaining on your mortgage, or \$250,000, whichever is lower.

Outside of high-risk areas, flood insurance is also available, usually at lower cost. A Preferred Risk Policy covers both a home and its contents, with premiums as low as \$129 per year. While you're not federally required to have flood insurance in a low-to-moderate risk area, that does not mean you won't ever need it. Large floods often extend beyond the boundaries of high-risk areas, and smaller floods occur outside high-risk areas as well. In fact, a quarter of all flood insurance claims come from low-to-moderate risk areas.

Also remember that most policies take 30 days to become effective before they can be used. More information about flood insurance is available by going online to www.floodsmart.gov.

Hillsborough County is a Class 5 Community (top 3% nationally) within the Community Rating System. This provides residents with high-risk flood policies a 25% discount and standard low-risk policies a 10% discount. There are no additional reductions for Preferred-Risk Policies which are already discounted.

Updated September 2013

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IMPORTANT NUMBERS AND ADDRESSES

Hillsborough County Hazard Mitigation Program
County Center, 22nd Floor, 601 E. Kennedy Blvd., Tampa, Florida 33602

For Hillsborough County:
Hazard Mitigation Program 813-307-4541
Development Services 813-272-5600
Storm Sewer Problems 813-635-5400

For City of Tampa:
Stormwater Operations 813-622-1901
Construction Service Center 813-274-3100

For City of Temple Terrace: 813-506-6570

For City of Plant City: 813-659-4200

FLOOD MAP WEBSITE

For more information on the County's flood maps, repetitive flood loss areas, flood insurance, and general tips on flood safety, visit: www.HillsboroughCounty.org/FloodMaps. For information on evacuation zones and risk to storm surge, visit: www.HillsboroughCounty.org/Emergency and select "2013 Hurricane Season", then "The Hurricane Evacuation Assessment Tool (HEAT)" link.

NOTE: If you have received this publication in error or have had your structure officially removed from the high-risk flood hazard area by way of a Letter of Map Revision or Letter of Map Amendment, please disregard mandatory insurance information, but retain for future flooding and safety issues. Note that being mapped out of a high-risk area does not remove the risk for flooding. It is only reduced.

Si usted necesita información en Español, favor de llamar a la Línea de Información del Condado de Hillsborough al 813-272-5900.

QUESTIONS ABOUT OTHER COUNTY SERVICES?

Call the Hillsborough InfoLine at 813-272-5900.

POST 5TD
U.S. POSTAGE
PAID
TAMPA, FL 33601
Permit No. 295

Hazard Mitigation Program
Engineering & Construction Services
Public Works Department
County Center, P.O. Box 1110, 22nd Floor
Tampa, FL 33601



Public Works Department

Hillsborough County

Information For Residents In The High-Risk Flood Zone

#B	10406 PINE AVE	RIVERVIEW	FL	33578	5410			
	1021 CANAL ST		RUSKIN	FL		33570	2839	
	105 18TH ST NW			RUSKIN	FL		33570	2936
	10644 E BAY RD	GIBSONTON	FL	33534	5111			
	10709 EAST BAY RD	GIBSONTON	FL	33534				
	10918 PARK DR	RIVERVIEW	FL	33569	0000			
	10922 PARK DR	RIVERVIEW	FL	33569	5175			
	11005 FERNHILL DR	RIVERVIEW	FL	33569				
	11120 CASA LOMA DR			RIVERVIEW	FL	33569	5112	
	11233 S US HIGHWAY 41			GIBSONTON	FL		33534	
	11304 TROTWOOD DR	RIVERVIEW	FL	33569	9391			
	1504 RIVER DR SW			RUSKIN	FL	33570	4115	
	16403 LAKE BYRD RD			TAMPAFL		33618	1203	
	1706 COTTAGESIDE CT	BRANDON	FL	33510	2747			
	225 13TH ST NW			RUSKIN	FL	33570	3801	
	2402 S 47TH ST			TAMPAFL	33619	5202		
	2414 S 47TH ST			TAMPAFL	33619	5202		
	2418 S 47TH ST			TAMPAFL	33619	5202		
	3334 POWERLINE RD	LITHIA FL		33547	1802			
	402 7TH ST SE	RUSKIN	FL	33570	4450			
	4511 JESSI LN	LITHIA FL	33547	1763				
	4647 JOHN MOORE RD			BRANDON	FL	33511	8033	
	4701 RAMBLING RIVER RD			BRANDON	FL	33511	8081	
	4910 S MUD LAKE RD			PLANT CITY	FL	33567	0000	
	609 1ST AVE NW	RUSKIN	FL	33570	3907			
	703 2ND AVE NW			RUSKIN	FL	33570	3803	
	806 BAYVIEW DR			RUSKIN	FL	33570	0000	
	8614 PARKWAY CIR			RIVERVIEW	FL	33569	0000	
	8615 PARKWAY CIR			RIVERVIEW	FL	33569	5178	
	8616 PARKWAY CIR			RIVERVIEW	FL	33569	5131	
	8627 MAGNOLIA ST	GIBSONTON	FL	33534	4503			
	8809 S LAGOON ST	TAMPAFL	33615	4309				
	8904 ROCKY CREEK DRIVE			TAMPAFL		33615	4308	
	8933 ROCKY CREEK DR			TAMPAFL		33615	4307	
	901 4TH AVE SW			RUSKIN	FL	33570	4213	
	9203 RIVER COVE DR			RIVERVIEW	FL	33569	0000	
	9211 RIVER COVE DR			RIVERVIEW	FL	33569	4930	
	9303 RIVER COVE DR			RIVERVIEW	FL	33569	0000	
	9304 RIVER COVE DR			RIVERVIEW	FL	33569	4973	
	9305 RIVER COVE DR			RIVERVIEW	FL	33569	4974	
	9312 RIVER COVE DR			RIVERVIEW	FL	33569	0000	
	9724 HERMIT HOLLOW LANE			GIBSONTON	FL		33534	
	UNITS 7 & 8 211 13TH ST NW	RUSKIN	FL	33570	3806			

August 29, 2013 and
 Sept 4, 2013
 completed mail out
 W.T. 9/5/2013

BOARD OF COUNTY COMMISSIONERS

Kevin Beckner
Victor D. Crist
Ken Hagan
Al Higginbotham
Lesley "Les" Miller, Jr.
Sandra L. Murman
Mark Sharpe



Office of the County Administrator
Michael S. Merrill

CHIEF ADMINISTRATIVE OFFICER
Helene Marks

CHIEF FINANCIAL ADMINISTRATOR
Bonnie M. Wise

DEPUTY COUNTY ADMINISTRATORS
Lucia E. Garsys
Sharon D. Subadan

August 29, 2013

**SUBJECT: Notification of Offer of Assistance
FY2013 Flood Mitigation Assistance Program
Repetitive Loss Property**

Dear Property Owner:

The Hillsborough County Hazard Mitigation Program works with the State and Federal government to minimize repetitive flood-losses to structures within the County. Per the Federal Emergency Management Agency (FEMA), you are the Holder of Recorded Interest in a Repetitive Loss (RL) property as re-defined by FEMA. At this time, FEMA is accepting applications under the Flood Mitigation Assistance Program (FMA). The FMA is a Federal program that provides potential funding to implement cost-effective measures, assist property owners, and reduce repetitive loss flood damages to structures that are insured by the National Flood Insurance Program.

For Fiscal Year 2013 (FY13) the Repetitive Flood Claims RFC and SRL programs have been combined with the FMA program, and along with the Pre-Disaster Mitigation (PDM) program, are contained within one comprehensive package. Through these grant programs, FEMA provides funds to States and local governments to implement hazard mitigation measures that reduce losses of life and property damage caused by natural disasters. The Florida Division of Emergency Management (FDEM) administers these Federal grant programs in the State of Florida.

FDEM has the authority and responsibility for reviewing Flood Mitigation Assistance sub-applications and recommending technically feasible and cost effective sub-applications to FEMA. Additionally, FDEM provides pass-thru funding for FEMA approved and awarded project grants to eligible sub-applicants (the County). Please see the enclosed Fact Sheet that summarizes the Notification of Offer of Assistance.

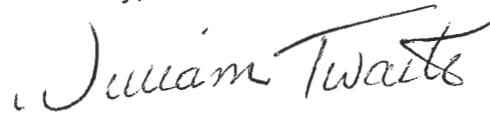
Flood Mitigation Assistance Program 2013

08/29/2013

Page 2 of 2

The County appreciates interest in programs that reduce repetitive flood-loss damages. If you have interest or questions regarding potential eligibility with these programs, please contact me at (813) 276-8245 or twaitew@HillsboroughCounty.org

Sincerely,

A handwritten signature in cursive script that reads "William Twaite".

William (Bill) Twaite, Contracts Manager
Hazard Mitigation, Public Works

enclosures:

FMA Fact Sheet
Property Owner Questionnaire #1

cc: Eugene Henry, AICP, CFM, Manager, Hazard Mitigation Program, Engineering
& Environmental Services, Public Works Department



FACT SHEET

Flood Mitigation Assistance Program

The Flood Mitigation Assistance Program is funded by FEMA and administered through a partnership with the Florida Division of Emergency Management (FDEM). FDEM has the authority and responsibility for developing and maintaining a State Standard Hazard Mitigation Plan, reviewing Flood Mitigation Assistance Program sub-applications, recommending technically feasible and cost effective sub-applications to FEMA and providing pass-thru funding for FEMA approved and awarded project grants to eligible sub-applicants.

Federal Share Requirement

Programs	Mitigation Activity (Percent of Federal / Non-Federal Share)
FMA – insured properties and planning grants	75/25
FMA – repetitive loss property (determined by FEMA) <ul style="list-style-type: none"> • Insured property with at least 2 flood claims where the repairs equaled or exceeded 25% of the market value of the structure at the time of the flood event. • At the time of the second occurrence, the flood insurance contract must include increased cost of compliance coverage. 	90/10
FMA – severe repetitive loss property (determined by FEMA) <ul style="list-style-type: none"> • Insured property with flood history of <ul style="list-style-type: none"> - 4 or more separate claims of \$5,000 each with cumulative total exceeding \$20,000 or - At least 2 claim payments where the cumulative amount of 2 claims exceeds the market value of the structure. 	100/0

Eligible sub-applicants are:

1. Local governments,
2. Native American Tribal governments,
3. State-level agencies;
4. Applicants must participate in the National Flood Insurance Program (NFIP). Communities that are suspended or withdrawn from the NFIP are not eligible to receive flood grant funds.
5. All sub-grant applicants must have a FEMA-approved and locally adopted mitigation plan by the application deadline and at the time of obligation of grant funds.

Owners of structures, residential or non-residential, that have been previously flooded and desire to have their structure mitigated should consult with their local or Native American Tribal government about submitting an application on their behalf for grant funds. Applications must be submitted by an eligible sub-applicant.

Eligible Project Activities:

Grants are available to local and Native American Tribal governments to implement measures to reduce the risk of flood damage to NFIP insured structures. The State of Florida will use project funds to implement cost-effective measures that flood retrofit NFIP insured structures or substantially damaged structures. Examples of eligible flood retrofit activities are:

1. Acquisition and Demolition;
2. Acquisition and Relocation;
3. Elevation, relocation or flood-proofing of utilities;
4. Elevation (Standard In Place Elevation);
5. Dry Flood-proofing of Non-Residential Structures;
6. Dry Flood-proofing of Historical Structures;
7. Minor Localized Flood Reduction Projects;
8. Mitigation Reconstruction
9. Mitigation plans*



**Caps the use of mitigation grant funds for local mitigation plan development at \$25,000 for a community.*

The activities above, although eligible, must also meet the following minimum criteria in order to be considered for funding:

☛ Be cost-effective

A project must be cost-effective and substantially reduce the risk of future damage, hardship, loss or suffering resulting from a major disaster. This requirement is satisfied by performing an analysis to determine whether the benefits to be gained are at least equal to, or greater than the cost of the project.

☛ Be technically feasible

The project must use flood resistant design and construction methods and flood resistant materials that are accepted by the design and construction industry, as well as the Federal Emergency Management Agency. Also a clear description of the proposed methods should be provided in the eGrant application's scope of work.

☛ Located in or benefits an NFIP-compliant community

An eligible project must be located physically in a participating NFIP community that is not on probation, suspended or withdrawn from the NFIP, and the project must benefit such a community directly by reducing future flood damages.

☛ Conforms to the State's Administrative Plan

All sub-grant applicants must have a FEMA-approved and locally adopted mitigation plan by the application deadline and at the time of obligation of grant funds.

- ❏ Complies with environmental laws, regulations and executive orders. Comply with Executive Order 11988 (Title 44, CFR, Part 9 - Floodplain Management and Protection of Wetlands), Environmental Considerations and the National Environmental Policy Act [NEPA] (Title 44, CFR, Part 10). <http://www.fema.gov/environmental-planning-and-historic-preservation-program/executive-order-11988-floodplain-management>
- ❏ Be in conformance with the minimum floodplain management regulations of the NFIP (Title 44, CFR, Sections 59 and 60.3) and the local government's Community Rating System Program, if applicable.
https://www.rampp-team.com/documents/region3/code_of_federal_regulations_title44.pdf

Benefit Cost Analysis

The traditional FEMA approved software-based Benefit Cost Analysis (BCA) Flood Modules must be used to determine the cost effectiveness of a project. Sub-applicants must use a FEMA approved methodology to perform a BCA. Only project sub-applications that demonstrate cost-effectiveness through a benefit cost ratio of 1.0 or greater will be considered for Flood Mitigation Assistance funding. The BCA must be attached to the sub-applicant's application in PDF and Excel formats. The FEMA approved BCA Toolkit, which includes the Flood Modules, may be downloaded at no cost. The BCA Helpline may be contacted by telephone (866.222.3580) or via e-mail (bchelpine@dhs.gov). Also, please see [Mitigation - Benefit Cost Analysis Toolkit](#)

Resources

- ❏ FEMA has developed resources to assist sub-applicants with project and planning sub-applications. The resources can be found on the HMA Application Development and Process web page at <http://www.fema.gov/application-development-process>
- ❏ Publications and tools for each of the non-disaster programs can be found in the links below: <http://www.fema.gov/library/viewRecord.do?id=7851>



Hillsborough County

PROPERTY OWNER QUESTIONNAIRE #1

Please fill out and return to the address or fax number at the bottom as soon as possible.

List Names of all Owner(s)		
Telephone	Day	Evening
Property Address		
Mailing Address (if different from above)		

Background: The Flood Mitigation Assistance Program may give you the chance to move out of the floodplain. If your home is acquired, the purchase price will be based on a pre-flood real estate appraisal. This program is voluntary and Hillsborough County will not use its power of eminent domain to mitigate or purchase properties. But as you make your decision, remember past floods and please understand that more floods are likely.

Important: KEEP COPIES of all paperwork, including disaster assistance, disaster loans, insurance claim payments, and receipts for repair work.

Please use the space below to tell us what questions you have.

Please tell us how interested you are in being part of a floodplain buyout or elevation project. This is NOT a commitment.

- Very interested Somewhat interested Undecided Definitely not interested

RETURN TO:

William (Bill) Twaite, Contracts Manager, Hazard Mitigation Program
Engineering & Construction Services, Hillsborough County Public Works Department
601 E. Kennedy Blvd, Floor #22
Tampa, FL 33602
p: 813-276-8245 fax: 813-307-8361
e: twaitew@HillsboroughCounty.org

Activities 540 – Drainage Maintenance Implementation and Inspection Report

The County's Roadway Maintenance Section of the Public Works Department continues to implement the drainage maintenance program. This group is responsible for proactive and reactive measures pertaining to culverts, ditches, and other drainage needs. In previous years, this group has worked with mosquito control for aerial reviews of potential problems for all waterways.

In order to provide drainage maintenance activities, the Section must work with the Southwest Florida Water Management District (SWFWMD) in order to receive appropriate permits for clearing debris or when taking other appropriate measures. All control structures are required to be inspected every 18-24 months and the group is responsible for all developed areas except for those properties within Community Development Districts where private maintenance is performed (unless a special arrangement has been made between the CDD and the County). The Section has a sophisticated computer system for tracking problems and documenting activities. Attached are a typical inspection report and a copy of the record that shows that any needed maintenance was performed.

Public Works Department
601 E. Kennedy Blvd, 22nd floor
Tampa, FL 33601
(813)635-5400 Fax (813)635-1608

Service Request Detail

Report Date 09/05/2013 08:55 AM Submitted By Page 1

Service # 199291
Problem ARDST ROADSIDE DRAINAGE PROBLEM
Address 3015 SPILLERS AVE

Call Date 01/25/2013 17:19 Priority 1WK WITHIN 1 WEEK(7 CALENDAR DAYS) Duration of Call 00:00
Taken By 14855 SMITH, TENESHA D. Responsibility SSU SOUTH SERVICE UNIT # of Calls 1
Source CRM Project NORMAL
 Customer Contact Requested Budget #

Service Request Progress
Schedule (resolved)
Inspect Inspected from 01/28/2013 11:15 AM to 01/28/2013 12:30 PM by 4703 PENNY LUMPKIN.
Resolve Resolved at 05/15/2013 01:24 PM with code WO WORK ORDER. Additional work orders have been completed.

Location 3015 SPILLERS AVE, TAMPA, FL, UNITED STATES
Area Sub-Area 619 ZIP CODE 33619
District Map #
Parcel
Template Type A/P #
Asset

Primary Caller

Name WEEDON
First,MI LORRIE, Title MS
Address 3015 SPILLERS AVE

City TPA
State/Province FL ZIP/PC 33619
Country USA Foreign Reference # CRM 64169
E-Mail
Day Phone (813)623-5898 x Evening Phone
Call Date 01/25/2013 17:19 Taken By 14855

Comments
Caller is requesting for the roadside ditches to be cleaned because they just don't drain.
Caller states she saw the County crew working nearby and would like from them to come to her street.
Please inspect and contact Ms Weedon with findings.

Call List

There are no additional callers for this service number
Comments
Ditches on both sides of Spillers Ave. from 21st to Rhode Island need to be cleaned with the scoop. Hydr. excavator.

Contractor Cost

Charge Date	ID	Name	Usage	Cost
-------------	----	------	-------	------

There are no costs of this type for this service number

Equipment Cost

Charge Date	Type	ID	Usage	Cost
-------------	------	----	-------	------

There are no costs of this type for this service number

Labor Cost

Charge Date	Crew Type	Job Class	Employee ID	Name/Description	Pay Type	Hours	Cost
-------------	-----------	-----------	-------------	------------------	----------	-------	------

There are no costs of this type for this service number

Report Date 09/05/2013 08:55 AM Submitted By Page 2

Material Cost	Stock Area	Stock Location	Part Number	Part Description	Quantity	Cost
Charge Date		Issue Trans #				
Budget #						

There are no costs of this type for this service number

Work Orders	Activity	Asset	Act Type	Act Group	Inflated	Scheduled	Completed	Source	Maint Type
Work Order #	Problem	Project	Fr Type	Unit ID		To Type	Unit ID		#
Priority									

376055 RSDCLN RW M01 01/28/2013 01/28/2014 05/13/2013 CSR SM
 SCHD DROBS STRIKE13 14459.00 0.00 To 1267.78 FT

Costs	Charge Date	Type	Item	Description	Qty/Usage	Cost
	05/13/2013 07:00	Equipment	0129276	TRUCK, UTILITY, CREWCAB	3.00	75.00
	05/13/2013 07:00	Equipment	0126397	EXCAVATOR, HYDRAULIC, TELESCOP	2.50	97.50
	05/13/2013 07:00	Equipment	0013067	TRUCK, DUMP, 12 CY INTERNAT	3.00	180.00
	05/13/2013 07:00	Equipment	0137952	TRUCK, DUMP	3.00	180.00
	05/13/2013 07:00	Equipment	0132117	TRUCK, DUMP 12 CY TO 255 HP	3.00	180.00
	05/09/2013 07:00	Equipment	0129276	TRUCK, UTILITY, CREWCAB	10.00	250.00
	05/09/2013 07:00	Equipment	0126397	EXCAVATOR, HYDRAULIC, TELESCOP	10.00	390.00
	05/09/2013 07:00	Equipment	0013067	TRUCK, DUMP, 12 CY INTERNAT	10.00	600.00
	05/09/2013 07:00	Equipment	0132117	TRUCK, DUMP 12 CY TO 255 HP	10.00	600.00
	05/09/2013 07:00	Equipment	0137952	TRUCK, DUMP	10.00	600.00
				Total		3152.50
	05/13/2013 07:00	Labor	17452	LASHLEY, JEFFERY A.	3.00	58.67
	05/13/2013 07:00	Labor	4783	CICCARELLO, FRANKIE	3.00	70.22
	05/13/2013 07:00	Labor	12817	ALVARADO-HERNANDEZ, MODESTO	3.00	74.34
	05/13/2013 07:00	Labor	4413	JONES, MICHAEL L.	3.00	98.75
	05/13/2013 07:00	Labor	27137	MCCALL, MARCUS	3.00	49.42
	05/09/2013 07:00	Labor	10835	GUTHRIE, RODNEY D.	10.00	182.61
	05/09/2013 07:00	Labor	17452	LASHLEY, JEFFERY A.	10.00	195.55
	05/09/2013 07:00	Labor	4783	CICCARELLO, FRANKIE	10.00	234.08
	05/09/2013 07:00	Labor	12817	ALVARADO-HERNANDEZ, MODESTO	10.00	247.79
	05/09/2013 07:00	Labor	4413	JONES, MICHAEL L.	10.00	329.16
	05/09/2013 07:00	Labor	27137	MCCALL, MARCUS	10.00	164.73
				Total		1705.32

Log	Description	Log Started	Log Ended	Entered By
Log Type				
Comments				

GCOMM GENERAL COMMUNICATIONS 01/30/2013 09:18 01/30/2013 09:18 4703
 Left detailed message on citizen's phone recorder.

ASCORD ASSET COORDINATOR COMMENTS 01/28/2013 14:20 01/28/2013 14:20 4703
 Ditches on both sides of Spillers Ave. from 21st to Rhode Island need to be cleaned with the scoop. Hydr. excavator.

ASCORD ASSET COORDINATOR COMMENTS 01/25/2013 17:22 01/25/2013 17:22 14855
 assigned to Penny.

Public Works Department
 601 E. Kennedy Blvd, 22nd floor
 Tampa, FL 33601
 (813)635-5400 Fax (813)635-1608

COMPLETED Roadway Work Order

Report Date 09/05/2013 08:52 AM

Submitted By

Page 1

Work Order # 376055 Activity RSDCLN ROADSIDE DITCH CLEAN

Roadway ID 14459.00 Distance 0.000 FT To 1267.781 FT
 Description SPILLERS AVE

Initiated By 4703 PENNY LUMPKIN Initiated Date 01/28/2013 Scheduled 01/28/2014 00:00
 Assigned To 13330 GLENN KINMAN Service # 199291 Due

Authorization INVES INVESTIGATOR/ASSET COORDINATOR
 Budget #
 Crew C323 SSU DRAINAGE CREW
 Maint Type SM SCHEDULED MAINTENANCE
 Priority SCHD PER SCHEDULE
 Problem DROBS DRAINAGE OBSTRUCTION
 Project STRIKE13 STRIKEFORCE 2013 Out of Service
 Source CSR CUSTOMER SERVICE REQUEST Potential Service Request

Work Order Comments

Ditches on both sides of Spillers Ave. from 21st to Rhode Island need to be cleaned with the scoop. Hydr. excavator.

Logs					
Log Type	Description	Log Date	To	Entered By	Comments
DAILY	DAILY EVENTS	05/13/2013 07:00	05/13/2013 10:00	2812	Crew cleaned roadside drainage ditch on Spillers Ave from 21st Ave to Vermont Dr. Need jet vac crew to follow up with cleaning out pipes on both sides of road. Travel .50hr.
DAILY	DAILY EVENTS	05/09/2013 07:00	05/09/2013 17:30	2812	Crew cleaned roadside ditches on Spillers Ave. from 21st Ave to deadend. Need to send vac truck for pipes. Travel 1hr.
ASCORD	ASSET COORDINATOR COMMENTS	01/28/2013 14:32	01/28/2013 14:32	4703	Ditches on both sides of Spillers Ave. from 21st to Rhode Island need to be cleaned with the scoop. Hydr. excavator.

Spot Inspections			
Spot Insp	UM	Completed	Description
There are no spot inspections for this work order			

Crew/Schedule Pool Definition			
Employee ID	Last	First	MI
8493	KELLEY	HARRY	J
9501	MILTON	JARFUS	L
9189	WILLIAMS	STEVEN	W
Equipment ID	Description		
Vehicle ID	Description		
There are no vehicles for this crew			

Report Date 09/05/2013 08:52 AM

Submitted By

Page 2

Work Order # 376055

Activity

RSDCLN

ROADSIDE DITCH CLEAN

Completed Work Orders							
Work Order #	Activity	Description	Completed	Comp By	Condition	Result	Quantity
376055	RSDCLN	ROADSIDE DITCH CLEAN	05/13/2013	2812			1830.00
335415	DEBRIS	DEBRIS REMOVAL	06/20/2011	16896			2.00
239968	RPRSRF	RESURFACE	01/20/2011	2302			1.00
236177	RSDCLN	ROADSIDE DITCH CLEAN	01/19/2010	1509			400.00
207878	MOWSLP	MOWING SLOPE	10/16/2006	13598			1111.10
181393	RDPAT	ROAD SURFACE PATCHING (HAND)	10/08/2004	6755			10.00
172497	RDPAT	ROAD SURFACE PATCHING (HAND)	12/30/2004	5216			1.00
170839	RDPAT	ROAD SURFACE PATCHING (HAND)	11/29/2004	4473			7.00
156252	RDPAT	ROAD SURFACE PATCHING (HAND)	01/06/2005	5216			1.00
145516	RDPAT	ROAD SURFACE PATCHING (HAND)	12/08/2004	3536			4.00

Outstanding Work Orders						
Work Order #	Activity	Description	Initiated Date	Initiated By	Scheduled	Due
There are no outstanding work orders						

Safety Procedures			
Message	Description	Activity	Comments
There are no safety messages for this asset. Please follow required safety procedures.			

Scheduled Resources			
Employee ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			
Equipment ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			
Vehicle ID	Scheduled Start	Scheduled End	Work Description
No resources scheduled.			

Primary Caller MS LORRIE WEEDON
Address 3015 SPILLERS AVE

Day Phone (813)623-5898 x
Reference # CRM 64169

Evening Phone
Call Date 01/25/2013 17:19

Comments
 Caller is requesting for the roadside ditches to be cleaned because they just don't drain.
 Caller states she saw the County crew working nearby and would like from them to come to her street.
 Please inspect and contact Ms Weedon with findings.

Public Works Department
601 E. Kennedy Blvd, 22nd floor
Tampa, FL 33601
(813)635-5400 Fax (813)635-1608

COMPLETED Roadway Work Order

Report Date 09/05/2013 08:52 AM

Submitted By

Page 6

Work Order # 376055

Activity

RSDCLN

ROADSIDE DITCH CLEAN

Started				Completed							
Date	05/09/2013	Time	07:00	By	2812	Date	05/13/2013	Time	10:00	Hours	13.00

Result	Condition	Quantity	Unit of Meas
		1830.00	LF

Data Group	Sign-off

Activities 540 – Stream Dumping Regulations



The County continues to enforce its Stream Dumping Regulations. The County has ordinance 94-15 in place to protect water quality and conveyance within Hillsborough County. Pertinent parts of the ordinance are included in the documentation for this activity. Stream Dumping signs are posted on sewers and at easily accessible dumping areas. Attached is a copy of one of these signs and outreach plan.

An edition of WaterAtlas.org

Presented By: Hillsborough County, University of South Florida



Order a Storm Drain Marking Kit

What is a Storm Drain Marking Kit?

Use our colorful markers to add a pollution prevention message to your neighborhood storm drains. Kit includes markers (shown at left), glue to install the markers, and door hangers to tell people more.

We're glad you're doing your part to teach your neighbors about stormwater pollution prevention. Stormwater pollution — water pollution that is carried from our yards and streets by rain runoff — is easy to prevent! Make sure everyone in your neighborhood knows that storm drains are only for rain — not oil, not grass clippings, not leaves, not fertilizers, not litter, not pet waste.

* Indicates a required field

Contact Information

The information you provide on this form is confidential.

Name: *

E-mail Address: *

Address: *

Telephone Number: Format: (123) 456-7890 ext. 444

Event Information

So that we can send you the correct number of markers in time for your marking event, please provide the location, date and number of storm drains you require. In addition, please let us know how you heard about our program.

Event Location: * What street(s) and/or neighborhood?

Event Date: * Format: mm/dd/yyyy

Number of Storm Drains: * Minimum: 10

When planning your storm drain marking event, we encourage you to set a goal of marking at least ten storm drains. We appreciate your help!

Comments:

Verify this form submission by typing the two words shown below into the text box provided. This helps us prevent automated submissions. For more information and help using the below tool, click here.

must

critter

Privacy & Terms



An edition of **WaterAtlas.org**

Presented By: Hillsborough County, University of South Florida



Home **Adopt-A-Pond Program**

Adopt-A-Pond Program

Welcome to the Adopt-A-Pond Program page. Please take a moment to read about what's happening with the program, search our list of ponds, contact us or learn about how to join the Adopt-A-Pond Program.

The Adopt-A-Pond Program partners with communities to improve the water quality, wildlife habitat and appearance of stormwater ponds. Our program guides you through the initial steps to help you learn how to properly care for your pond for the long-term. But the project success ultimately depends on you! There are no fees or costs required to participate in this program. Simply apply to see if your pond qualifies.

Please use the "Contact Us" tab at the top right of this page to report problems with the function of the Adopt-A-Pond page.

Announcements

8/27/2013 - by Program Coordinator

How to Adopt Your Pond

Thank you for your interest in the Adopt-A-Pond Program. The first step in participating in the program is to apply. Complete and mail us the Adopt-A-Pond Application to get started!

[View all announcements](#)

Adopt-A-Pond Information

- [Adopt-A-Pond Application](#)
- [Adopt-A-Pond Notebook](#)
- [Adopt-A-Pond Newsletters](#)
- [Adopt-A-Pond Videos](#)

Contact Us

Jennifer Aragon

Stormwater Education Programs Coordinator
Environmental Services



Search for a Pond

All Ponds

Pond	Name
00-01	Maplewood Villa
00-02	Bloomingdale P.
00-03	Carrollton Lakes
00-04	Windemere
00-05	Thompson East
00-06	Hounds Run Po
00-07	Park Village
00-08	Brooker Village

[View a Map of Ponds](#)

2420 N Falkenburg Rd
Tampa, FL 33619

Email: aragonj@hillsboroughcounty.org

Phone: 813-744-5671

Other Programs

Order a Storm Drain M:

Storm Drain Tracking F

Request a Visit from Pe

Request a Visit from a





Public Works Department

ILLICIT STORMWATER DISCHARGES

Hillsborough County is responsible for the operation and maintenance of thousands of stormwater inlets, pipes, ponds, catch basins and other structures, as well as miles of ditches and canals. These all make up what is referred to as the County's MS4 or Municipal Separate Storm Sewer System. Federal and State regulations known as the National Pollutant Discharge Elimination System, or NPDES rules, require that the County minimize the discharge of pollutants from its MS4 to waters of the United States (lakes, streams, wetlands, bays, etc.). Accordingly, in 1994, the County adopted a Stormwater Ordinance (No. 94-15) that prohibits "illicit discharges" to the County's stormwater system and to surface waters.

What is an Illicit Discharge?

The County's Stormwater Ordinance defines an illicit discharge as follows:

Any discharge to a MS4 or to waters of the U.S. that is not composed entirely of stormwater (with the exception of some discharges as described on the back of this handout). Any connection of a hose, pipe, ditch, or other device that is made to allow illicit discharges to an MS4 or waters of the U.S. is referred to as an illicit connection.



How do I identify an illicit discharge or connection?

An illicit discharge may consist of a wide variety of things. Stormwater runoff from a contaminated site, muddy runoff, deliberate dumping, a hose or pipe discharging anything other than clean water or stormwater, etc. Things to look for include the following:

- ./ Discolored, foamy, or murky water (don't try to get a sample)
- ./ Unusual odor (don't get too close, watch out for toxic fumes)
- ./ Dead plants or animals (this may be due to natural causes or pollutants, either way don't touch directly)
- ./ Flow in a pipe or ditch that is normally not flowing when weather conditions are dry
- ./ Discoloration of pipes or channels or residue left over from the discharge
- ./ Chemical containers or bags left open or otherwise exposed to rain



What do I do iff observe an illicit discharge or connection?

DOs and DON'Ts

- Do report it as soon as possible to the Environmental Protection Commission (EPC) at **627-2600**
 - Do report it immediately to the EPC if there is an illicit discharge in progress
 - Do write down the date, time and the location as specifically as possible
 - Do note any color or odor and any other conditions such as foam/suds or dead plants/animals
 - Do note if it is raining or has rained within the last day
 - Do take a picture if you have a camera available
 - Do note any identifying marks if a vehicle is involved (tag number, company name/phone#)
-
- Ⓢ DON'T try to take a sample (sampling must be done properly and by trained personnel)
 - Ⓢ DON'T get too close to items that have unusual odors (the fumes may be toxic)
 - Ⓢ DON'T touch dead plants or animals as they may have been in contact with toxic substances
 - Ⓢ DON'T confront someone who is deliberately dumping or discharging pollutants

What discharges are allowed?

The County's Stormwater Ordinance allows the following types of discharges:

- * Water line flushing
- * Landscape/lawn irrigation or other irrigation water
- * Uncontaminated groundwater discharges
- * Potable water source discharges
- * Air conditioning condensate
- * Flows from springs
- * Individual car washing
- * Fire fighting and other emergency response activities
- * Facilities in compliance with an NPDES permit
- * Discharges which meet State water quality standards under Chapter 62-302 F.A.C.

QUESTIONS? PLEASE CONTACT:

Hillsborough County Public Works Department
Specialized Services Unit
Environmental Programs
2420 Falkenburg Road
Tampa, FL 33619

(813) 744-5671

Dear Citizen:

Thank you for expressing interest in our environmental programs. We are extremely pleased with the success of these programs and look forward to working with you and your neighborhood.

All of our programs are public-private partnerships assisting neighborhoods and school groups to improve water quality, wildlife habitat, and appearance of the "stream", and stream water quality. There are no fees or costs required to participate in these programs. In order to qualify for participation, you must simply meet a program's criteria.



a

Adopt-A-Pond

Did you know that stormwater runoff is an important part of the vast system of pipes, conduits, gutters, and ditches that capture runoff and roads from flooding? Not only do they hold water that would otherwise be in our streets, yards, and homes, but they also provide valuable wildlife habitat and ground, water, and air quality. Properly designed stormwater ponds can mimic the natural water cycle and provide habitat for many plants and animals.

These ponds can also provide an important amenity for a community, but homeowners often are responsible for the ongoing maintenance of ponds. Through our program, you will learn to manage your pond and create a beautiful and functional landscape in your own neighborhood. Contact us today to learn more and join our Adopt-A-Pond program.



A Map of
Adopt-A-Ponds
*Adopt-A-Pond has
 been in effect
 since 1991. (over 300)
 ponds have been
 enrolled in the
 program.*

Activity Background -- Activity 600

Activity 610 – Maintenance of Flood Threat Recognition System

The County continues to maintain its flood threat recognition system. This system utilizes many agencies and depends upon the severity of the storm. The County also continues to look for vendors and alternate systems to augment this system. Ideally, the County would like to link real-time weather to the new watershed master plan data for real-time modeling. Widely dispersed trigger points could be set so that emergency personnel would be able to more quickly and accurately assess the potential riverine and inland flood threats. This process would assist in alerting the public to a greater degree than currently present. This is done currently by the Emergency Management Office in a semi-automated process communicating with the National Weather Service in Ruskin. To assist, a greater number of gauge stations are needed to support this activity to provide warning in a quicker format through the assistance of the United States Geological Survey and the National Oceanic and Atmospheric Administration.

Hillsborough County
2012-2013 Flood Response for the Flood Warning Program
Progress Report -- Activity 610

This report is prepared for submittal for continued credit under the National Flood Insurance Program's Community Rating System (CRS). It is designed to provide a short update and report on accomplishments toward implementing the County's Flood Warning System. There are attachments that identify actions associated with preparation of potential flooding events and the communitywide and multiagency exercise that included responding to flood impacts.

The period from October 2012 and September 2013 had no flooding events as such are classified within the Federal flood-insurance program, but the reporting period brought a series of events in which a home was affected within the East Lake neighborhood and caused close monitoring of pumps associated with the Duck Pond Area. Additionally, the Public Works Department, Engineering and Environmental Services Division did have team members monitor pumps associated with low-lying areas and critical conveyance areas.

The County did experience minimal localized flooding from thunderstorms during the summer period of the 2012/2013 reporting timeframe. During these events, the County's severe weather system was initiated providing warning of such events to residents and businesses. The newly hired Office of Emergency Management Division Director did review repetitive flood-loss areas with the Engineering and Construction Services and Hazard Mitigation teams to better understand early emergency warning systems and how such is conducted by operational agencies and coordinated between jurisdictions.

Early spring and early summer months of the reporting period were pronounced with low rainfall, but late summer was earmarked with a wetter season and recovery of flood storage systems did reach near capacity in certain areas. The Flood Warning System was tested, which is used to provide agencies of operational needs and to provide information to notify residents of said areas.

Additionally, the Office of the Emergency Management scheduled a test of operations with respect to opening shelters and coordinating emergency procedures through "Table-top" exercises with the Sheriff's Office, the Red Cross, Emergency Medical services and other agencies on May 20-23, 2013. This session reinforced the use of techniques and procedures associated with the Warning System's implementation. Additionally, the County reviewed and maintained its Critical Facilities network, and maintained its standing with the County's participation with the National Storm Ready program.

The coordination of emergency services during times of flooding is through the Office of Emergency Management (OEM). This Division is responsible for coordinating the countywide annual Evacuation and Severe-weather Warning System publication and in activating such systems. For example, during a flood warning, the National Weather Service issues flood watch or warnings and the OEM initiates those activities identified within the Comprehensive Emergency Management Plan with respect to the potential threat of the event. Additionally, the Department coordinates the various responses to assist in the recovery from floods (Hazard Mitigation coordinates mitigation) with public and private agencies. For example, various agencies work to ensure services are re-instituted for public safety, communications, transportation, and electricity. To assist property owners during an event, the Transportation Maintenance Division of the Public Works Department furnishes sand bags to county residents at maintenance stations located throughout the County. If evacuation is deemed necessary, the OEM opens shelters in the affected areas and coordinates the activities of the Sheriff's Office, the Red Cross Emergency Medical services and other agencies as required to accomplish a safe evacuation.

This year's (2013) Hurricane Exercise occurred beginning on May 20-23, 2013. Principal components of the after-action report are considered classified and are for Official Use Only. As such, this Progress Report will address only those areas associated with flood protection and flood warning and not disclose details that may be construed not to be consistent with the safe guarding the actual report.

The purpose of the Hurricane Exercise was to enhance interagency coordination and cooperation by involving Federal, State, and County governments in their response to a major hurricane that threatens the vicinity of the Tampa Bay region. In summary, objectives of the exercise were to:

- Plan for and respond to a major hurricane with severe wind and flooding impacts to the County.
- Coordinate with EOC staff to effectively respond to the Hurricane and related events.

Hillsborough County
2012-2013 Flood Response for the Flood Warning Program
Progress Report -- Activity 610
Page 2 of 5

- Increase knowledge and capability among Emergency Service Functions (ESFs) with section training and ETEAM.
- Increase knowledge and capability among identified ESFs with surge/Hurrevac training.
- Familiarize Push Teams and Damage Assessment Teams with updated roles and responsibilities.
- Test the capability to manage logistics support through the EOC.

This was an exercise that include multiple storm impacts and followed the track of the August 1880 Hurricane which made landfall on the eastern coast of Florida on August 24, cut across the state to the Gulf of Mexico, and again hit the Panhandle area on the 31. Additionally, the second storm in the scenario will model Hurricane David that skirted along the eastern coast of the state on September 3 and 4, 1979. (The actual storm for the exercise was named "Hurricane Lay", as a tribute to the late Brevard County Emergency Management Director, Bob Lay.) The hazards identified were from hurricane events, tornadoes, flooding, storm surge and wind damage. The exercise included testing warning systems (including evacuation systems) associated with hurricane winds and severe flooding and multiple tornado touchdowns throughout Hillsborough County including the cities of Tampa, Temple Terrace and Plant City. This exercise provided an opportunity to bring EOC staff, ESFs and other response agencies together to respond to an event using the Incident Command Structure (ICS). Through this exercise, strengths were identified along with several opportunities for improvement.

The major strengths identified during this exercise event are as follows:

- The Emergency Operations Center (EOC) was staffed with the appropriate Emergency Support Function (ESF) representatives.
- ...
- Utilization of flood monitoring and warning equipment and/or processes in coordination with Geographic Information System (GIS) helped to provide greater situational awareness that resulted in accurate and timely actions and/or map products.
- Exercise provided a great opportunity to test new team members.
- ...

Throughout the exercise, several opportunities for improvement in Hillsborough County's ability to respond to the incident were identified. The primary areas for improvement, including recommendations, are as follows:

- EOC staff would benefit from additional NIMS ICS All-Hazards Position Specific training in order to provide all-hazards competencies and behaviors for Command and General Staff and selected Unit Leader positions such as Logistics.
- ...
- For staff members operating phone banks, providing instructions on how to operate the system would be beneficial as well as providing headsets to isolate noise and lights to better identify when the phone is ringing.
- Providing a complete and updated list of agencies and departments and their functions within the EOC during an activation would be beneficial to all staff members; especially, the Emergency Dispatch Communications (EDC).
- Continued NIMS training amongst all ESFs would benefit the County's response to any disaster or event.
- ...

Regarding public information and warning:

- Use effective and accessible indication and warning systems to communicate significant hazards to involved operators, security officials, and the public (including alerts, detection capabilities, and other necessary and appropriate assets).
- Communicate appropriate information, in an accessible manner, on the risks faced within a community after the conduct of a risk assessment.
- Inform all affected segments of society by all means necessary, including accessible tools, of critical lifesaving and life-sustaining information to expedite the delivery of emergency services and aid the public to take protective actions.
-

Regarding the capability summary, deliver coordinated, prompt, reliable, and actionable information to the whole community through the use of clear, consistent, accessible, and culturally and linguistically appropriate methods to effectively relay information regarding any threat or hazard, as well as the actions being taken and the assistance being made available, as appropriate – applicable observations included below.



Observation 3.1: Utilizations of various systems and processes help to capture situational awareness that was then shared to support response and mitigation efforts.

Recommendations: Continue to train and utilize all systems and process available to ensure effective responses throughout the county.

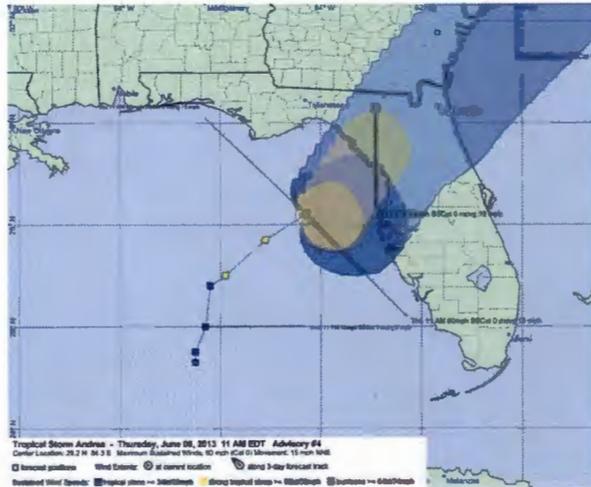
1. Strength- ESF 3-Public Works and Engineering and ESF 5-Information and Planning including GIS, were able to utilize flood monitoring and mapping systems to capture data provided for response to the exercise event. In a real event this information would have been critical to predicting flood prone areas and communicating to those in vulnerable areas . . .

During this reporting cycle, the County did receive rain and had reports of isolated water damage to structures. During the periods of above normal rainfall, the County did review repetitive-loss areas to verify potential flooding events. During this reporting cycle, there were not any reported flooded structures; however, adjacent to Moon Lake in the Northwest area of the County there was a report of seepage into a pre-FIRM structure. The reported property was identified as having Federal flood-insurance coverage; however, underground seepage is not a covered loss. Following this reporting period, the County will request loss-data from FEMA to verify if losses were reported to FEMA, but not to the County. This will assist in verifying flood-loss data within the County.

Repetitive Flood Loss Areas



Hillsborough County
2012-2013 Flood Response for the Flood Warning Program
Progress Report -- Activity 610
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The County was affected by Tropical Storm Andrea, which the County did implement some warning systems. Although, flooding of structures was not reported, the County did have minor flooding of streets and low-lying areas. Additionally, the County performed an analysis of areas that were affected by two to three feet of storm surge. The analysis illustrated a potential affect to 3,900 parcels (not structures); whereby, a portion of



parcels were touched by a limited amount of storm surge. This test of real planning systems provided the opportunity for teams to field verify planning systems that illustrated areas affected within the County by storm surge.

The system worked very well. However, the Tropical Storm was downgraded and the Emergency Management Office went to a partially activation. During the partial activation, the following facilities were put into place by Stormwater teams for inland flood warning and flood protection: 20 portable pumps at 17 locations.



Additionally, the following areas were monitored for flooding:

- A. South Service Unit (6 locations-8 pumps)
 - 1. North Falkenburg x1 Four Inch
 - 2. Badger Pond (West of Harney) x 3 Two Six Inch and One Four Inch
 - 3. Temple Terrace Highway x 1 Six Inch
 - 4. 78th Street and Sequoia x 1 Six Inch
 - 5. Carroway x 1 six inch
 - 6. Holly Terrace Pond x 1 six inch
- B. East Service Unit (7 locations -7 pumps)
 - 1. SR 92 - Kelly's Hideaway (6" Sound attenuated)
 - 2. Cottageside Ct (6" Sound attenuated)
 - 3. Shangri La Park (6" Sound attenuated)
 - 4. SR 60 - Sand Pond (6" Sound attenuated)
 - 5. Lake Mead (6" Sound attenuated)
 - 6. Lake Wee (6" Sound attenuated)
 - 7. Martin Pond (6" Sound attenuated)
- C. West Service Unit (4 locations - 5pumps)
 - 1. Boot Lake (Carroll Shore Pl): 6" Pump
 - 2. Tiffany Lake (Tiffany Lake Pl): 8"Pump
 - 3. Hanna (Hanna Rd and Wildrose Dr): 6" Pump
 - 4. Garland (Garland Ct east of N Florida Ave) : 2 - 6" Pumps

Lastly, the County is a participant in the implementation of three Emergency Action Plans (EAPs) for two older reservoir systems (Hillsborough River and the By-Pass Canal and the Madard Reservoir in east Central County). Also, there is an newer EAP for the County's Southeast Reservoir (currently, the EAP is under re-review due to proposed modifications to add 3 billion gallons of above ground water storage capacity). In addition, warning systems have been fully tested. Additionally, respective warning systems have reverse-emergency call systems to notify residents potentially affected by breaches. These plans are stored at the Emergency Operations Center and the Water Management District's office.

The County works to protect persons and property from flood damage. Activities include the continued identification of threat recognition, continued to implement the emergency warning dissemination program, the Emergency Management Office continues to work throughout the community to coordinate other response efforts, and maintains a critical facility database and work under the community-wide Disaster Recovery Committee, which includes monitoring and updating key-contact personnel for emergency and disaster management.

Activity 610 – Outreach for Flood Threat Recognition System

The County included information on its flood warning system in the annual outreach to the community (Activity 330 – OPC). Many components of the flood warning system are also included in community outreach programs such as the other hurricane guides published by commercial vendors that are available in major newspapers and also available at libraries, grocery stores, websites, and post offices. Flood warning data is also included in the government pages of local phone books. There are also many web pages that have information for local residents, including those produced by the County, the local National Weather Service station, the State of Florida, and local media outlets.

DISASTER PLANNING GUIDE

Official Guide for the Tampa Bay Area

YOUR
HURRICANE
EVACUATION ZONE
MAP INSIDE

10 WAYS TO PREPARE NOW!

1. Make Your Family Disaster Plan
2. Pull Together Disaster Supplies
3. Brace for Hurricanes
4. Discuss Your Evacuation Plans
5. Help Your Neighbor
6. Keep Your Pets Safe
7. Take Steps to Protect Your Home
8. Review Your Insurance
9. Safeguard Documents & Inventory
10. Know What to Expect After a Disaster

PLAN
PREPARE
PROTECT

www.tampabayprepares.org



10 What to expect after a disaster



As we have learned, after a disaster, you may be without power and many of the services you rely on (water, sewer, phone, cell phone, and businesses). Immediate response may not be possible, so everyone must be prepared to be self-reliant.

RE-ENTRY

PATIENT. You won't be able to return your home or business until search and rescue operations are complete and safety hazards, such as downed power lines, are cleared. It may take time for emergency crews to reach your neighborhood.

Have valid ID with your current address. Access to affected areas will be controlled by security checkpoints. Avoid driving, especially through water. Roads may have debris which can puncture your tires!

Once you arrive home, walk around your home or business from the outside first to survey damage and enter with caution.

Open windows and doors to ventilate and dry your home.

If you suspect a gas leak, leave immediately and notify the Fire Department.

If your home has been flooded, have a qualified licensed electrician inspect the electrical system and appliances before turning the power back on. Be extremely careful with fire.

Let your out-of-town contact know you are alright.

POST-STORM SAFETY PRECAUTIONS

Keep grills and generators outdoors in a well-ventilated area. Carbon monoxide poisoning is a frequent killer.

Avoid candles. Use battery-operated flashlights and lanterns instead. Stay tuned to your local media for up-to-date emergency information.

Avoid driving and phone use. Keep lanes and lines open for emergency workers.

Avoid downed or dangling power lines. Be especially careful when clearing fallen trees.

- Always supervise children-DO NOT WADE IN FLOOD WATERS.
- Be aware of snakes, insects, alligators or animals driven to higher ground by floods.
- Be extremely careful with a chain saw and follow all safety precautions.
- Call professionals to remove large, uprooted trees, etc.
- Always use proper safety equipment such as heavy gloves, safety goggles, heavy boots, long-sleeve shirts and long pants. Tie back long hair, wear a hat and sunscreen.
- Drink plenty of fluids, rest and ask for help when you need it.
- Don't burn trash.

CLEAN-UP & REPAIRS

- Know what your homeowner's or renter's insurance policy covers and what you will need to submit a claim. Make temporary repairs to correct safety hazards and minimize further damage. Take photographs of all damage before repairs and keep all receipts.
- Contact your local building department for information on required building permits. Permits are always required for any kind of demolition or permanent repairs, reconstruction, roofing, or filling.

PROTECT YOURSELF FROM CONTRACTOR FRAUD

- Hire only licensed contractors. Be cautious of anyone coming to your home uninvited and offering to do home repairs.
- Obtain a written estimate or contract. Insist on start/completion dates and payment terms in the contract. Do not pay in full before work begins and do not pay the final balance until the work is completed to your satisfaction. NEVER pay with cash.

- Don't pull the permits for the contractor. This may be an indication they are not properly licensed.

If you suspect a contractor of potential fraud, contact the State of Florida Consumer Fraud hotline at 1-866-966-7226.

GENERATORS

Generators can provide power to your home or business in case of a power outage or shortage.

1. Determine the appliance or equipment you want to use.
 2. Determine if a portable or stationary generator is required.
 3. Determine if you will need multiple outlets or multiple types of outlets on your generator.
- **NEVER** connect a portable generator to building wiring. There is an extreme danger of generator back-feed for the general public (downed wires etc.) and utility workers. Plug appliances, etc., directly into the generator.
 - Place generator outdoors and away from doors, windows, and vents that could allow carbon monoxide (CO) to come indoors. Exhaust fumes are deadly.
 - Before refueling your generator, turn it off and let it cool down. Don't forget to check the oil every time you add gas. Keep generator dry.
 - Conserve fuel by alternating appliances.
 - Store fuel safely outside in labeled approved storage containers.
 - Stationary (whole house) Generators run off gas utility lines or an LP tank and supply electrical power to pre-selected circuits. They MUST be professionally installed by a licensed electrician.

Planning for emergencies

DISASTER PLANNING GUIDE

It seems as though we read about it everyday - hurricanes, tornadoes, floods, as well as hazardous material accidents, biological hazards such as the flu pandemic, terrorist threats and violence in our communities.

If disaster struck, would your family be ready? Taking simple steps today could save lives and prevent suffering later. Follow the tips and checklists in this special guide to protect your loved ones.

This guide was developed by your county emergency management agency to help you make your family and business plans. It also directs you to additional resources where you can get more information and assistance.

The government can not do this alone. It takes the "whole community" to actively prepare for, respond to and recover from a disaster. This includes neighborhood and condo associations, faith-based, volunteer and civic organizations, schools, and the business community, as well as residents. In addition, we need to ensure that our plans include the needs of our children, seniors and those who face physical and mental challenges.

Get involved and spread the word at your school, work, club or place of worship. This is what it takes to make our community safer and more resilient whatever tomorrow brings.



1 YOUR FAMILY'S DISASTER PLAN

Prevent panic and confusion by making sure everyone knows where to go and what to do in an emergency.

- **KNOW YOUR RISK.** Learn what disasters might affect your area. Are you in a Hurricane Evacuation Zone (see inside map page) or FEMA Flood Zone? *(They are different!)* Take first aid and CPR courses (www.redcross.org).
- **PICK TWO MEETING SPOTS.** One should be just outside your home for sudden events such as a house fire. The second should be outside your neighborhood, in case you can't get home or family members get separated.
- **CHOOSE A CONTACT PERSON.** Ask someone out of state to coordinate communications in a disaster. Family members should call this person to report their location. Send your contact copies of important papers (ID, insurance, etc.)
- **KEEP YOUR CONTACT INFORMATION UP-TO-DATE.** Include contact information in your phones and make emergency contact cards to carry with you.
- **THINK AHEAD ABOUT EVACUATION.** Determine if and when you would have to evacuate, where you would go and how you will get there. Ask friends or family if you could stay with them. If you are in a safe area, invite them to stay with you.

For more disaster planning information, contact your local emergency management agency, local chapter of the American Red Cross (phone numbers are listed on the inside map page) or go online to www.tampabayprepares.org or www.floridadisaster.org or www.fema.gov/areyouready.

2 DISASTER SUPPLIES

Here are the most important items for your Disaster Supply Kit. Stock up today (or a little at a time) and store where you can get to them quickly.

REPLENISH FOR FRESHNESS:

- Medicines: Keep an updated list of family medicines and dosages along with

doctor and pharmacy phone numbers. If possible, try to keep two weeks supply of prescription medicines.

- Food: Keep enough to feed the whole family for three to seven days. Choose things that don't need refrigeration or cooking (canned foods, protein bars, peanut butter, etc.).

Don't forget any special dietary foods or baby food and formula, if needed. Replenish every six months.

- Drinking Water/containers - 1 gal/per person/per day (minimum 7 days). Stock up on a few cases of bottled water at home and office in the event that there is a "boil water" order.

- Extra batteries for camera, flashlights, radio, portable TV & lamps, etc.

- Infant necessities (medicine, sterile water, diapers, ready formula, bottles), if needed.

TOW UNTIL NEEDED:

First aid book and kit including bandages, antiseptic, tape, compresses, aspirin and aspirin-free pain reliever, anti-diarrhea medication, antacid, and important numbers
Flashlights and batteries for each member of the family
Portable radio and batteries
Non-electric can opener

- Fire extinguisher (small canister, ABC type)
- Instant tire sealer
- Whistle and/or distress flag
- Mosquito repellent & citronella candles
- Plastic tarp, screening, tools and nails, etc.
- Water purification kit (tablets, chlorine (plain) and iodine)
- Clean-up supplies (mop, buckets, towels, disinfectant)
- Camera
- Garbage can or bucket with tight-fitting lid and kitty litter (for emergency toilet)
- Plastic trash bags
- Toilet paper, paper towels and pre-moistened towelettes or baby wipes

IF YOU EVACUATE YOU ALSO SHOULD TAKE:

- Pillows, blankets, sleeping bags or air mattresses
- Extra clothing, shoes, eyeglasses, hearing aids (and batteries), etc.
- Folding chairs, lawn chairs or cots
- Personal hygiene items (toothbrush, toothpaste, deodorant, etc.)
- Quiet games, books, playing cards and favorite toys for children
- Important papers and irreplaceable keepsakes (driver's license, special medical information, insurance policies and property inventories, photographs)

PRECIOUS COMMODITIES BEFORE & AFTER A STORM:

- Emergency charger for cell phones
- Cash (With no power, banks may be closed; checks and credit cards unaccepted, and ATMs may not be operational)
- Charcoal, matches, and grill (Do not use indoors)
- Ice
- A corded phone that does not require electricity

3 *Bracing for a hurricane*

You will get some warning with a tropical storm or hurricane.

AS THE STORM APPROACHES

Listen for weather updates on local stations and on NOAA Weather Radio. Don't trust rumors, and stay tuned to the latest information.

REMEMBER: Hurricanes can be unpredictable. There is always potential error in the forecast track from the National Hurricane Center. Don't focus on the exact forecasted track, listen to local officials. (For more information go to www.noaa.gov or www.weather.gov, click on Tampa Bay area.)

Check your Disaster Supplies. Obtain any needed items.

Scrub and fill bathtubs and sinks

- before a storm so you'll have extra clean water.
- Turn refrigerator and freezer dials to the coldest settings and avoid opening the doors to help preserve perishable food in case of a power outage.
- Refill prescriptions. Maintain at least a two-week supply during hurricane season.
- Clear your yard of lawn furniture, potted plants, bicycles, trash cans and other potential airborne missiles. Leave the swimming pool filled and super-chlorinated. Cover the filtration system.
- Protect your windows and glass doors with plywood or storm shutters. Brace double entry and garage doors at the top and bottom.

- If there is a chance flooding could threaten your home, move important items such as electronics, antiques and furniture off the floor.
- Fill your car's gas tank and check oil, water and tires. Gas pumps won't operate without electricity after a storm passes.
- Secure your boat early. Drawbridges will be closed to boat traffic after an evacuation order is issued.
- Get cash. Banks and ATMs won't be in operation without electricity and few stores will be able to accept credit cards or personal checks.
- Never sweep or blow yard leaves, pine needles, grass clippings or soil into the street or storm water system. This clogs up the stormwater pipes and prevents water from draining.

Evacuate or Stay?

4 IF YOU CAN STAY HOME - SHELTER-IN-PLACE

If you live in a sound structure outside the evacuation area and do not live in a mobile home, stay home and take these precautions:

Make sure your windows, doors and garage doors are protected.

Clean containers including your bath tub for storing water. Plan on three gallons per person, per day for at least seven days for drinking and other uses.

Offer your home as shelter to friends or relatives who live in vulnerable areas or mobile homes.

Check your **Disaster Supplies**. Make sure you have at least a seven day supply of non-perishable foods. Don't forget a non-electric can opener.

During the storm, stay inside and away from windows, skylights and glass doors.

Find a **Safe Room** in your home, usually an interior, windowless reinforced room such as a closet or bathroom on the lower floor.

Wait for official word that the danger is over.

If flooding threatens your home, turn off electricity at the main breaker.

If you lose power, turn off major appliances, such as the air conditioner and water heater to reduce damage from surge when power is restored.

Monitor your battery-operated radio, NOAA weather radio or TV for the latest advisories and other emergency information.

Do not travel until you are told it is safe to do so.

YOU MUST EVACUATE

If you live in an evacuation area or a mobile home, when an evacuation order is given, don't panic. Move at a steady pace and make sure you leave enough time to get to where you will weather the storm. **DO NOT** take chances with your life by staying at home or waiting until it's too late!

Make sure your destination is not within a zone that has been ordered to evacuate.

Take enough supplies for your family.

Take your pets. Don't forget their supplies.

Take important papers, including your driver's license, special medical information, insurance policies and your insurance agent's name and number and property inventories.

Also take irreplaceable items, such as photos or keepsakes.

- Let friends and relatives know where you are going.
- Make sure your neighbors have a safe ride.
- Turn off your electricity, water and gas if officials tell you to do so.
- Lock your windows and doors.
- Stay tuned to your local radio and television station for emergency broadcasts.

LEAVING COASTAL AREAS

If you are leaving the area, remember to take supplies with you. Move inland away from the storm surge and inland flooding, but it is not recommended that residents try to leave the region. Roads will be heavily congested and you run the risk of being caught on the highway without a safe refuge or running into the storm if it takes a different track.

HOTEL OR MOTEL

If you plan to go to a hotel or motel, you will need to check for availability and make your reservation well in advance. Some hotels/motels have standing reservation hurricane programs and some relax their pet restrictions in an emergency. Again, make sure your destination is not in an evacuation zone.





HELP YOUR NEIGHBOR

- People who are frail or disabled (either mentally or physically) or those who are without the support of family or friends should plan ahead for an emergency. They may need special assistance from family members, friends, neighbors or social service agencies. Please ask for help if you need it and volunteer to help those who do.
- Remember, too, that older adults who are also caregivers may require outside assistance. Excessive stress and anxiety can contribute to increased episodes of illness, particularly for persons with heart disease and other illnesses.
- If an older adult lives in a nursing home, assisted living facility (ALF) or residential facility, the administrator should be contacted to learn about the disaster plan for that facility.

5

HOME HEALTHCARE & HOMEBOUND PATIENTS

- Tell your health agency and oxygen company where you will be during a hurricane. Ask them about their plans to provide care.

If you are homebound, but not under the care of a home health agency, contact your physician to determine your best plan of action.

If you require respirators or other electric-dependent medical equipment, you should make medical arrangements with your physician. You should also register with your local power company.

If you evacuate, remember to take medications, written instructions regarding your care, special equipment and bedding with you.

If you will need assistance in an evacuation or need to go to a special needs shelter, please register NOW with your County Emergency Management Agency.

Special needs shelters do not provide hands-on medical care, only medical monitoring. Bring one caregiver with you.

If you require hospitalization, you must make prior arrangements through your physician.

KEEP YOUR PETS SAFE

Don't leave your pet and don't use your pet as an excuse not to evacuate. Don't put yourself, your family and your pet at risk! You are responsible for planning for your pet. If you are ordered to evacuate, take your **Pet Survival Kit** if you go to friends, relatives or a hotel. Unless there

pet-friendly shelters in your county, shelters cannot take pets. As a pet owner, you must plan ahead. Work out your options. **For more information call your local SPCA, Animal Control or Humane Society. If you plan to go to a hotel or motel, go to www.petswelcome.com.**

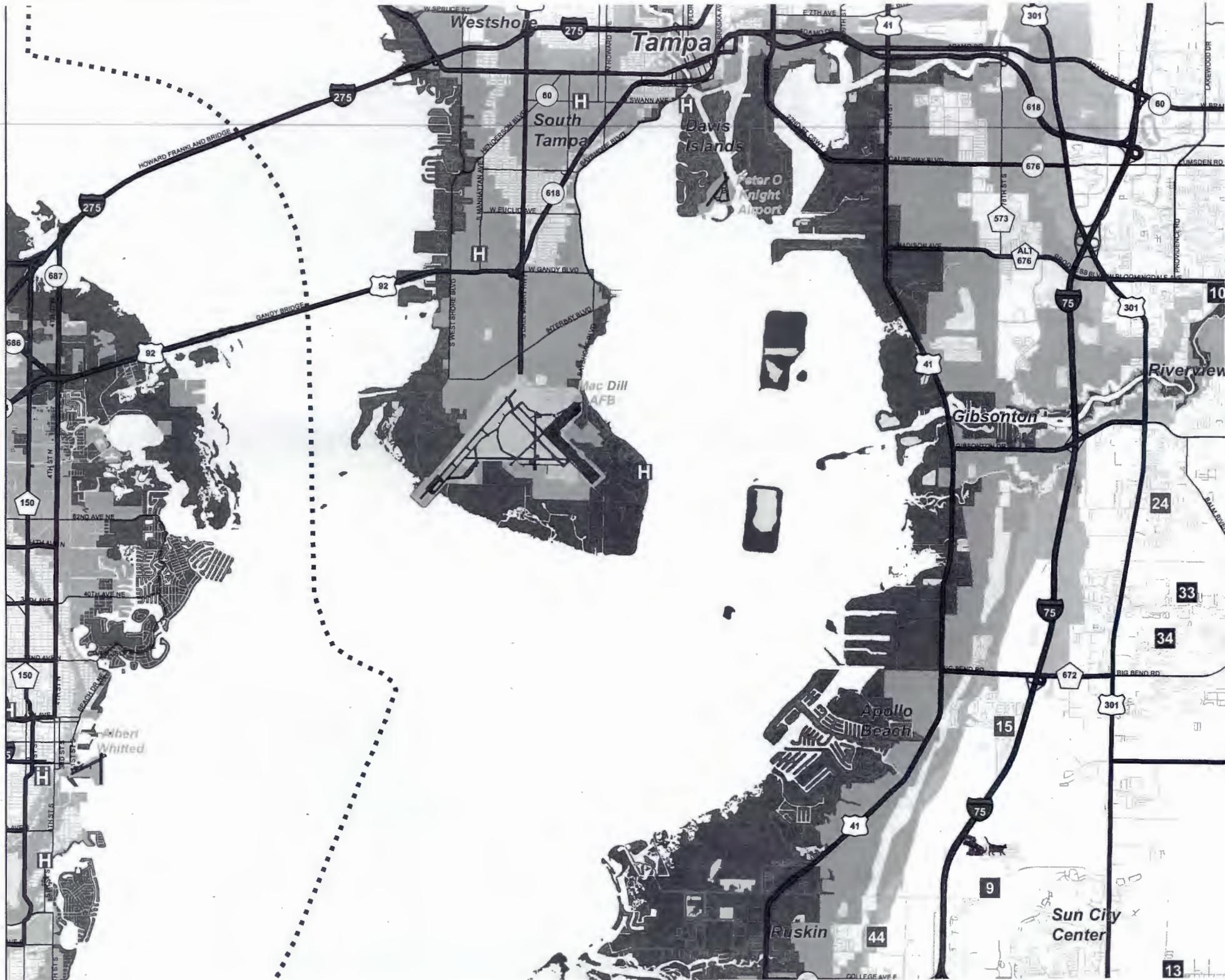
After the storm has passed, be careful allowing your pet outdoors. Familiar scents and landmarks may be altered and your pet could easily be confused and become lost. Downed power lines, debris, animals and insects brought in with high winds could present real dangers to your pet. Be careful not to allow your pet to consume standing water which may have become contaminated. Nearly 80 percent of pets displaced by a storm have never reunited with their owners.



PET DISASTER SUPPLIES

- Proper ID collar and rabies tag/license*
- Vaccination paperwork
- Carrier or cage (large enough for your pet to move around)
- Leash
- Ample food supply (at least two weeks)
- Water
- Water/food bowls
- Any necessary medication(s)
- Specific care instruction
- Newspapers, cat litter, scoop, plastic trash bags for handling waste
- Proper ID on all belongings (including emergency contact information if you evacuate)
- Photo of you and your pet
- A comfort item such as a favorite toy or blanket
- Non-electric can opener
- Microchipping your pet is strongly recommended

*** Make sure your pets have had all their shots within the past 12 months. Pet-friendly shelters and boarding facilities will require proof of vaccinations.**



Westshore

Tampa

South Tampa

Davis Islands

Peter O Knight Airport

Mac Dill AFB

Gibsonton

Apollo Beach

Ruskin

Sun City Center

275

60

618

92

H

H

41

301

618

676

573

ALT 676

75

301

24

33

34

15

672

301

9

41

75

44

13

HOWARD FRANK AND BRIDGE

GRANDY BRIDGE

W SPRUCE ST

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E 7TH AVE

S MANHATTAN AVE

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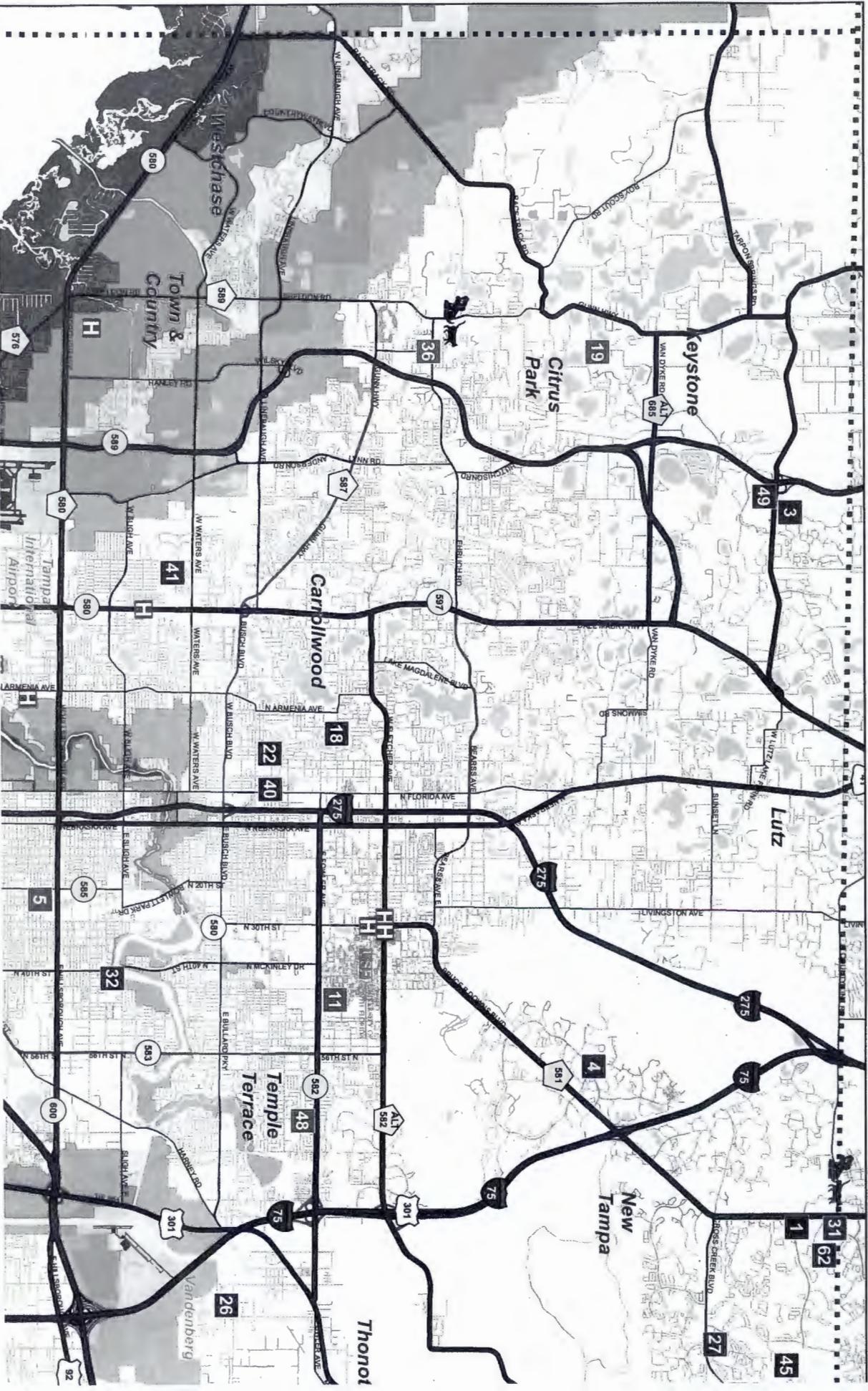
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60TH AVE NE

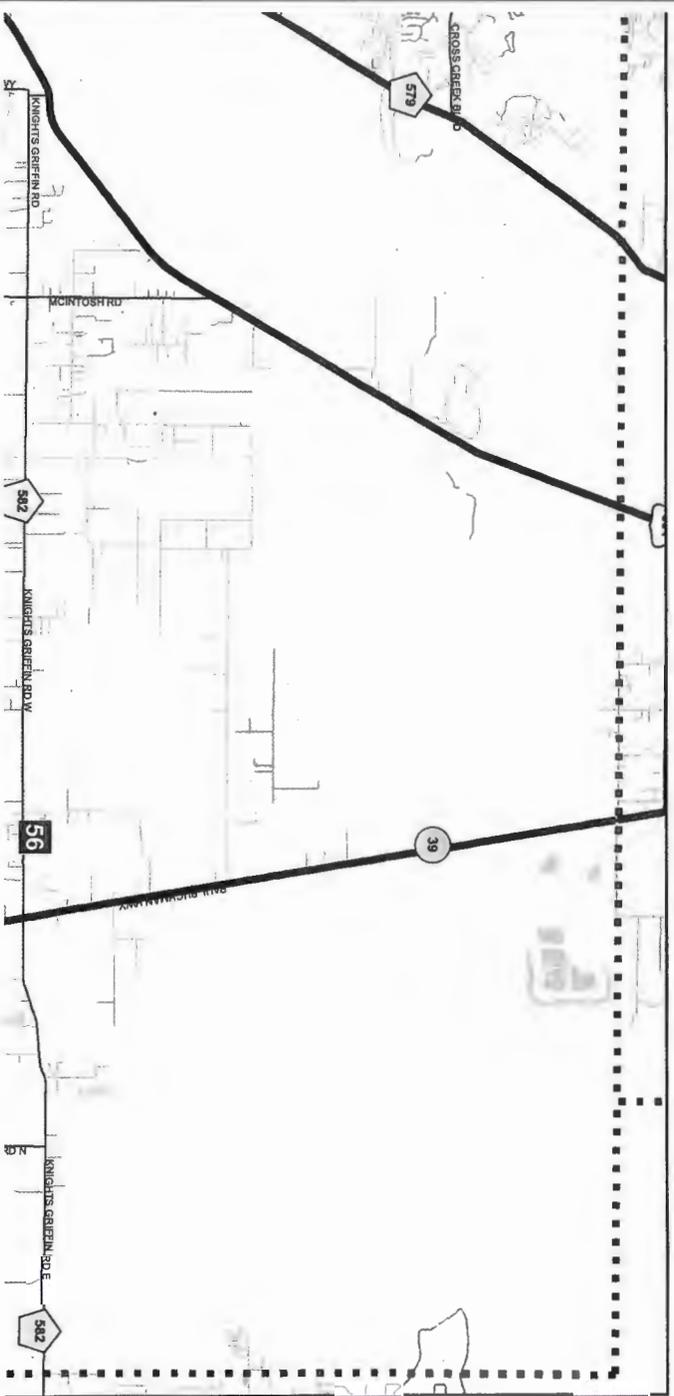
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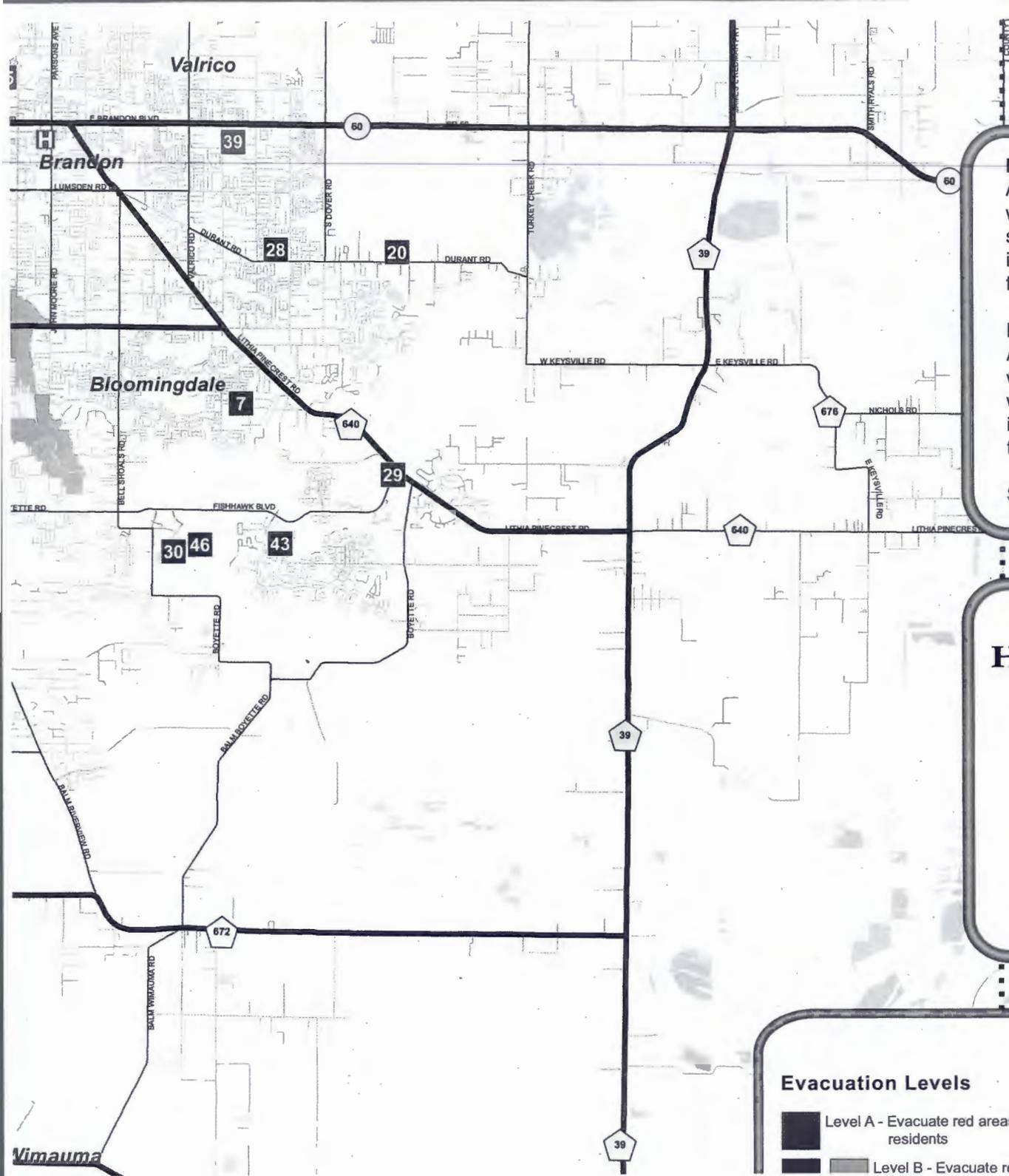
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Hillsborough County



ty Evacuation Map





Hurricane Watch:

An announcement that hurricane conditions (sustained winds of 74 mph or higher) are possible within the specified area. The hurricane watch is issued 48 hours in advance of the anticipated onset of tropical-storm-force winds.

Hurricane Warning:

An announcement that hurricane conditions (sustained winds of 74 mph or higher) are expected somewhere within the specified area. The hurricane warning is issued 36 hours in advance of the anticipated onset of tropical-storm-force winds.

Source: <http://www.nhc.noaa.gov/aboutgloss.shtml#h>

SAFFIR-SIMPSON HURRICANE WIND SCALE

CATEGORY	WIND VELOCITY (MPH)
Category 1	74 to 95
Category 2	96 to 110
Category 3	111 to 129
Category 4	130 to 156
Category 5	157 and over

LEGEND

Evacuation Levels

- Level A - Evacuate red areas and all manufactured home residents
- Level B - Evacuate red and orange areas

Potential Storm Tide Heights (FT)

To 8'

To 45'