

# DETERMINATION OF BASE FLOOD ELEVATION FORM

Copy all pages of this Determination and all attachments for (1) community official, (2) building owner.

<b>SECTION A – PROPERTY INFORMATION</b>		FOR COUNTY USE ONLY
A1. Building/Site Owner's Name Ellis Management Group LLC & Emercor Property Group LLC		Permit Number:
A2. Building/Site Street Address All of the south side of Horseshoe Lake Dr. East (See Attachment)		Date of Submittal: <span style="font-size: 1.2em;">11-10-20</span>
City Huntsville	State Texas	ZIP Code 77320
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Proposed Lots 300-327, Section 2 (See Attachment)		
A4. Latitude/Longitude: Lat. <u>30°48'29.64"N</u> Long. <u>95°27'4603"W</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983		

<b>SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION</b>				
B1. NFIP Community Name & Community Number Walker County Unincorporated 481042		B2. County Name Walker		B3. State Texas
B4. Map/Panel Number 48471C0275	B5. Suffix D	B6. FIRM Index Date 16Aug11	B7. FIRM Panel Effective/ Revised Date 16Aug11	B8. Flood Zone(s) A
B9. Indicate elevation datum used for on FIRM Panel in Item B7: <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input checked="" type="checkbox"/> Other/Source: _____				

<b>SECTION C – SOURCE OF BASE FLOOD ELEVATION DATA</b>	
C1. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in item E3. <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> LOMA, LOMR, Federal, State, or Local Determination (Attach Copy) <input type="checkbox"/> Other (Complete Section D)	

**SECTION D – METHOD OF DETERMINATION FOR APPROXIMATE ZONE A**

*The below methods of determination are those listed and described in detail in publication FEMA 265/July 1995 "Managing Floodplain Development in Approximate Zone A Areas" and any determinations submitted shall utilize a method consistent with the publication, acceptable to FEMA, and considered appropriate by the certifying engineer or surveyor (see section F).*

D1) SIMPLIFIED METHODS

Contour Interpolation Method

Data Extrapolation Method

D2) DETAILED METHODS (Please select one item from each category)

a) Topography:

Existing Topographic Maps

Field Survey

b) Hydrology:

Discharge Drainage Area Relationships

Regression Equations

TR-55

Rational Formula

Other Hydrograph Methods: \_\_\_\_\_

c) Hydraulics:

Normal Depth

Critical Depth

Step-Backwater Analysis

Hydraulic Structures

**SECTION E - BASE FLOOD ELEVATION (BFE) DETERMINATION**

(BFE shall be determined to within one tenth of a foot)

E1. Indicate elevation datum used for the Base Flood Elevation shown in section E3:

NGVD 1929  NAVD 1988  Other/Source: \_\_\_\_\_

E2. What is the site/location to which the determined Base Flood Elevation can be applied:

- a)  The entire lot/tract described in section A3
- b)  A specific building site on, or portion of, the lot/tract described in Section A3

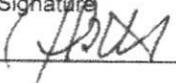
If E2(b) is selected a detailed scaled map/survey must be attached indicating the area of the lot subject to the BFE determined.

E3. The Base Flood Elevation for the site described in section E2, determined utilizing FEMA approved methods is:

249.5 ft

**SECTION F - CERTIFICATION**

*This certification is to be signed and sealed by a registered engineer authorized by law to practice engineering in the State of Texas. If the source of the Base Flood Elevation in Section C is not "other", or is a finding under the "other" category supported by the "contour interpolation method" then a registered professional surveyor may sign and seal the certification instead of a registered engineer. I certify that the information on this form represents my best efforts to interpret the data available, and that the determinations herein were made in compliance with FEMA approved methodologies and standard engineering practices. I understand that any false statement may be punishable by fine or imprisonment.*

Certifier's Name Frank G. Hill, P.E., CFM		License Number 70154	
Title Principal			
Company Name Gary Hill Engineering LLC			
Address 9238 Trailing Fern			
City Helotes	State Texas	ZIP Code 78023	
Signature 	Date NOV 09 2020	Telephone 210-241-8060	

Comments and Attachments (One copy of the current FIRM with the subject lot/tract overlaid, a copy of any engineering studies completed in support of this determination, and a copy of any detailed map required by section E2 shall be included and listed along with any other attachments). Please list all attachments along with the number of pages of that attachment.

**Attachments**

A2: Building/Site Street Address

Refer to plat enclosed for location of new lots. These lots replace the existing lots and will be receiving new address numbers once recorded.

A3: Property Description

Same as A2, refer to enclosed proposed plat for lot locations (300 to 327).

