



Federal Emergency Management Agency

Washington, DC 20472

North Carolina Floodplain Mapping Program

Cooperating Technical State



April 10, 2025

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Melvin "Skip" Alston
Board Chair, Guilford County
301 West Market Street
Greensboro, NC 27401

IN REPLY REFER TO:

Case No.: 24-04-2368P
Follows Conditional
Case No.: 04-04-A613R
Community Name: Guilford County, NC
Community No.: 370111
Effective Date: August 25, 2025

Dear Melvin Alston:

The Flood Insurance Rate Map and Flood Insurance Study report for your community have been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Floodplain Administrator for your community. If you have any technical questions regarding this LOMR, please contact the North Carolina Floodplain Mapping Program (NCFMP) at (919) 825-2318, or the Federal Emergency Management Agency (FEMA) Mapping and Insurance eXchange toll free at 1-877-336-2627 (1 877-FEMA MAP). Additional information about the NFIP is available on FEMA's website at <https://www.fema.gov/flood-insurance>, and additional information about the NCFMP is available at <https://flood.nc.gov/ncflood/>.

Sincerely,

Patrick "Rick" F. Sacbibit, P.E.
Chief, Engineering Services Branch
Risk Analysis, Planning, and Information Directorate | Resilience

Gary W. Thompson, PLS
Deputy Hazard Mitigation Chief
Chief, NC Geodetic Survey
North Carolina Emergency Management

List of Enclosures:

Letter of Map Revision Determination Document
Annotated Flood Insurance Rate Map
Annotated Flood Insurance Study Report

cc: The Honorable Nancy Vaughan, Mayor, City of Greensboro
Michael Halford, County Manager, Guilford County
Brent Gatlin, P.E., Watershed-Stormwater Engineer, Guilford County
Trey Davis, City Manager, City of Greensboro
Johnnie Hill, CFM, Engineering Supervisor, City of Greensboro
Alex Rosser, P.E., Chief Operating Officer, Piedmont Triad Airport Authority
Stephen Rich, P.E., Project Manager, Piedmont Triad Airport Authority

Tyler L. Bailey, P.E., Jacobs

Scott Gentry, P.E., CFM, North Carolina Floodplain Mapping Program

Follows Conditional Case No.: 04-04-A613R



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION			PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Guilford County North Carolina (Unincorporated Areas)		CULVERT FILL	1D HYDRAULIC ANALYSIS UPDATED TOPOGRAPHIC DATA FLOODWAY
	COMMUNITY NO.: 370111			
IDENTIFIER	NC-24-885 – Piedmont Triad International Airport Runway 5L/23R		APPROXIMATE LATITUDE & LONGITUDE: 36.104, -79.952 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES			ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 3710781600J	DATE: June 18, 2007	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: November 17, 2017 FLOODWAY DATA TABLE: 16 PROFILES: 22P, 23P, 24P LIMITED DETAILED FLOOD HAZARD DATA TABLE: 17	
TYPE: FIRM*	NO.: 3710781500J	DATE: June 18, 2007		
TYPE: FIRM*	NO.: 3710782500J	DATE: June 18, 2007		
TYPE: FIRM*	NO.: 3710782600J	DATE: June 18, 2007		

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCES AND REVISED REACHES

Brush Creek (Stream No. 54) – From a point approximately 1,725 feet downstream of Joseph M Bryan Boulevard to a point approximately 1,550 feet upstream of Airport Center Drive.

Brush Creek Tributary – From the confluence with Brush Creek (Stream No. 54) to a point approximately 5,000 feet upstream of Bryan Boulevard.

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Brush Creek (Stream No. 54)	Zone AE	Zone AE	Yes	Yes
	BFEs*	BFEs	Yes	Yes
	Floodway	Floodway	Yes	Yes
	Zone X (Shaded)	Zone X (Shaded)	Yes	Yes
Brush Creek Tributary	BFEs	BFEs	Yes	Yes
	Zone AE	Zone AE	Yes	Yes

* BFEs – Base (1-percent-annual-chance) Flood Elevations

DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

Patrick "Rick" F. Sacibit, P.E.
Chief, Engineering Services Branch
Risk Analysis, Planning and Information Directorate | Resilience

24-04-2368P

102-I-A-C



Federal Emergency Management Agency
Washington, D.C. 20472

**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 375351

Name: City of Greensboro, North Carolina

AFFECTED MAP PANELS

TYPE: FIRM	NO.: 3710781600J	DATE: June 18, 2007
TYPE: FIRM	NO.: 3710781500J	DATE: June 18, 2007
TYPE: FIRM	NO.: 3710782600J	DATE: June 18, 2007

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: November 17, 2017
FLOODWAY DATA TABLE: 16
LIMITED DETAILED FLOOD HAZARD DATA TABLE: 17
PROFILES: 22P, 23P, 24P

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/flood-insurance>.

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance flood discharges computed in the FIS for your community without considering subsequent changes in watershed characteristics that could increase flood discharges. Future development of projects upstream could cause increased flood discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on flood discharges subsequent to the publication of the FIS report for your community and could, therefore, establish greater flood hazards in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

COMMUNITY INFORMATION (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Jacky Bell
Director, Mitigation Division
Federal Emergency Management Agency, Region IV
Rhodes Building, 3005 Chamblee Tucker Road
Atlanta, GA 30341
(770)220-5406

STATUS OF THE COMMUNITY NFIP MAPS

We are processing a revised FIRM and FIS report for Guilford County in our countywide format; therefore, we will not physically revise and republish the FIRM and FIS report for your community to incorporate the modifications made by this LOMR at this time. Preliminary copies of the countywide FIRM and FIS report, which present information from the effective FIRMs and FIS reports for your community and other incorporated communities in Guilford County, were submitted to your community for review on October 28, 2022. We will incorporate the modifications made by this LOMR into the countywide FIRM and FIS report before they become effective.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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Chief, Engineering Services Branch
Risk Analysis, Planning and Information Directorate | Resilience



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

PUBLIC NOTIFICATION OF REVISION

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below, and through FEMA's Flood Hazard Mapping website at

https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp

LOCAL NEWSPAPER

Name: *The Greensboro News and Record*

Dates: April 18, 2025 And April 25, 2025

Within 90 days of the second publication in the local newspaper, any interested party may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised flood hazard determination presented in this LOMR may be changed.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

A handwritten signature in black ink, appearing to read "Rick F. Sacbibit".

Patrick "Rick" F. Sacbibit, P.E.
Chief, Engineering Services Branch
Risk Analysis, Planning and Information Directorate | Resilience

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD 88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Brush Creek (Stream No. 54)								
066	6,600	600	3,762	1.3	767.9	767.9	767.9	0.0
122	12,180	244	2,414	3.5	772.4	772.4	773.4	1.0
144	14,355	393	2,312	4.2	775.2	775.2	776.2	1.0
182	18,215	348	1,807	2.3	782.4	782.4	783.3	0.9
194	19,443	61	325	9.4	782.9	782.9	783.7	0.8
206	20,580	107	567	5.7	786.4	786.4	787.2	0.8
227	22,726	176	709	3.2	792.2	792.2	792.6	0.4
244	24,415	63	339	6.7	793.6	793.6	794.0	0.4
279	27,930	384	804	1.5	804.7	804.7	805.0	0.3
318	31,812	430	1,726	0.6	819.8	819.8	819.8	0.0
333	33,338	60	152	8.2	823.5	823.5	823.5	0.0
345	34,463	158	285	3.4	828.5	828.5	828.6	0.1
353	35,342	26	178	5.4	831.7	831.7	832.3	0.6
367	36,664	150	332	1.0	843.6	843.6	843.6	0.0
370	37,045	20	64	5.0	843.8	843.8	843.8	0.0
384	38,427	254	687	0.6	860.9	860.9	860.9	0.0
392	39,206	70	145	2.8	862.8	862.8	862.8	0.0
412	41,196	24	39	8.3	877.8	877.8	877.8	0.0

¹Feet above mouth

REVISED DATA

REVISED TO REFLECT LOMR
EFFECTIVE: AUGUST 25, 2025

TABLE 16

FEDERAL EMERGENCY MANAGEMENT AGENCY

GUILFORD COUNTY, NC
AND INCORPORATED AREAS

FLOODWAY DATA

BRUSH CREEK (STREAM NO. 54)

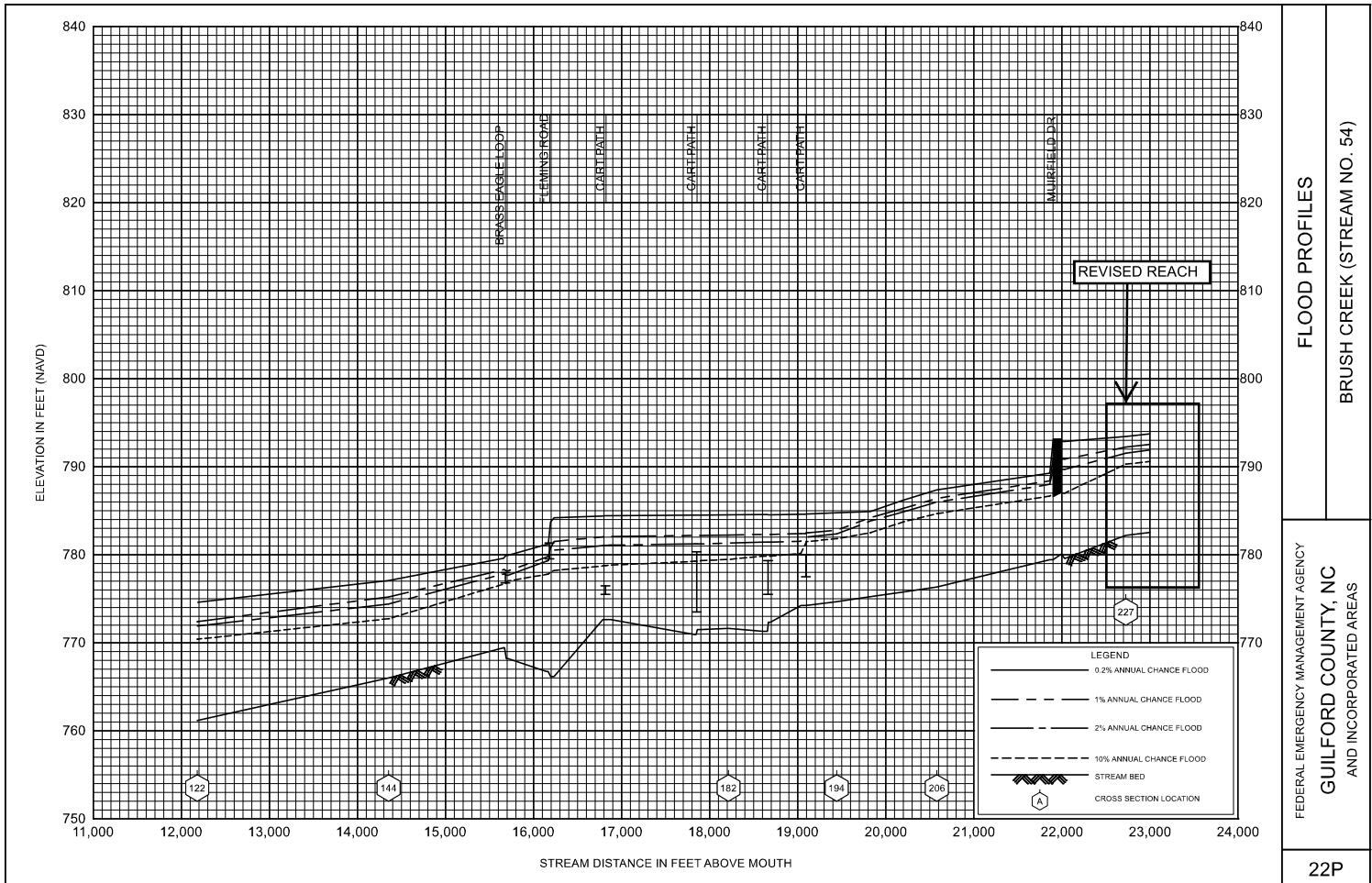
REVISED DATA

Table 17 – Limited Detailed Flood Hazard Data

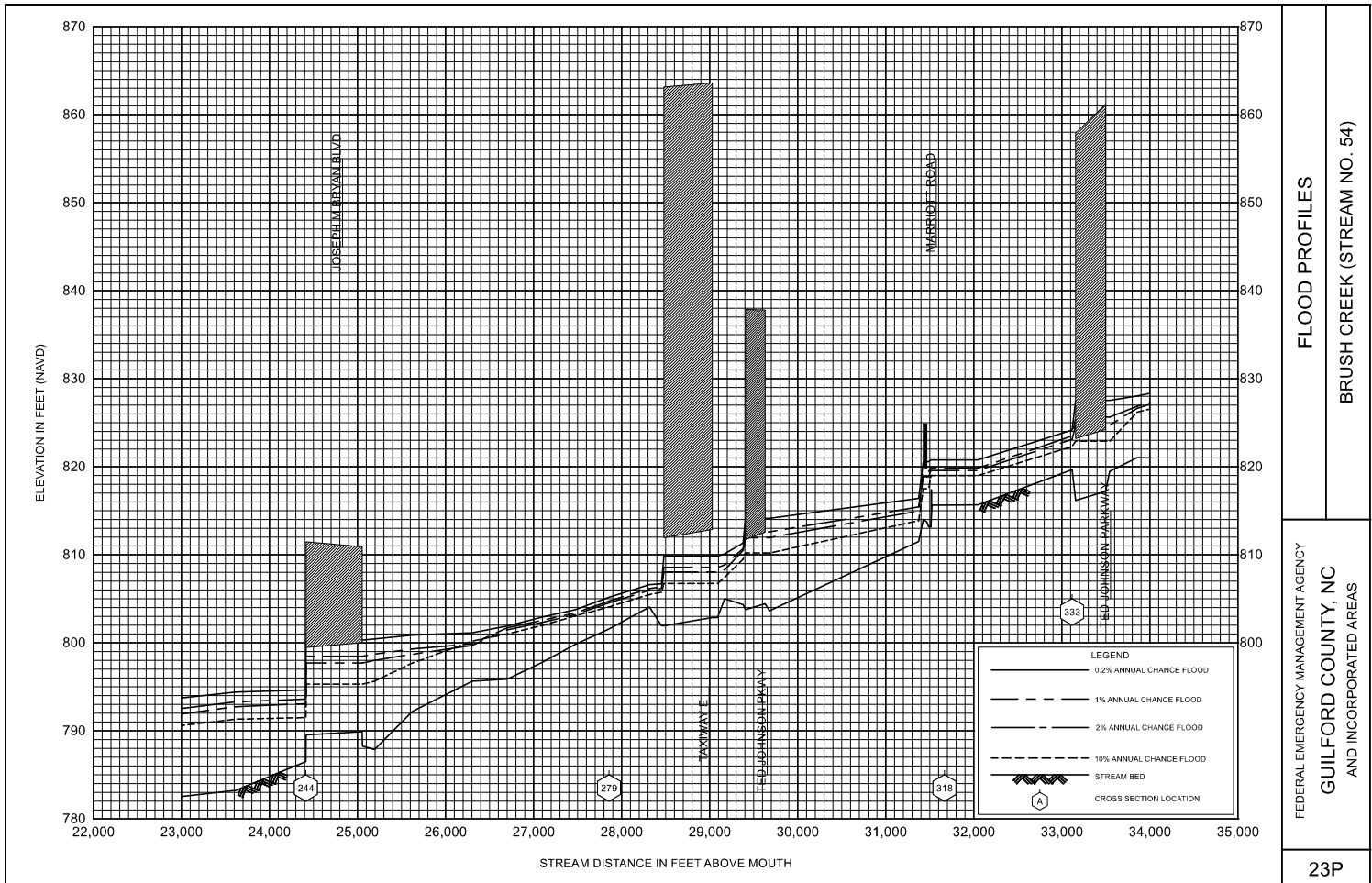
Cross Section	Stream Station	Flood discharge (cfs)	1% Annual Chance Water Surface Elevation (feet NAVD 88)	Non-Encroachment Width (feet) Left/Right from Stream Centerline
010	972	-8,888	816.8	-9,999 / -9,999
011	1,125	404	816.8	75 / 100
012	1,236	404	816.8	14 / 30
014	1,409	404	818.8	11 / 4
017	1,661	404	827.6	20 / 20
019	1,921	-8,888	840.6	-9,999 / -9,999
022	2,181	404	840.6	20 / 20
024	2,400	404	840.7	15 / 20
029	2,865	404	849.1	13 / 8
Brush Creek Tributary				
000	37	548	814.3	47 / 20
003	331	548	818.3	52 / 5
009	895	548	818.5	59 / 64
021	2,050	548	826.1	3 / 60
026	2,611	548	828.4	15 / 15
035	3,523	556	835.7	18 / 18
052	5,249	556	863.2	30 / 30
062	6,223	556	887.7	42 / 42
082	8,230	119	927.3	18 / 18
Chocolate Creek				
007	690	2,050	616.2 ¹	209 / 155
011	1,143	2,050	626.2 ¹	6 / 162
016	1,566	2,050	614.3	15 / 15
016	1,611	2,050	616.2 ¹	15 / 15
020	2,009	2,050	617.0	167 / 159
024	2,450	2,050	617.5	79 / 180
030	3,004	2,000	618.6	5 / 279
034	3,414	2,000	619.4	93 / 101
038	3,795	2,000	621.0	61 / 15
045	4,504	2,000	624.4	50 / 38
048	4,796	2,000	626.0	30 / 26
049	4,882	2,000	633.4	30 / 26
055	5,504	2,000	633.7	178 / 207
061	6,071	2,000	633.8	250 / 25
065	6,504	2,000	634.0	105 / 125
069	6,899	2,000	634.6	130 / 100
076	7,562	2,000	635.5	150 / 82
080	8,004	2,000	636.2	100 / 30
085	8,542	2,000	640.1	207 / 5
091	9,141	2,000	642.1	25 / 100
095	9,504	2,000	643.2	108 / 140
100	10,004	2,000	644.2	23 / 142
105	10,504	1,670	646.1	76 / 88
110	11,004	1,670	647.6	206 / 4
115	11,527	1,670	649.4	146 / 12
120	12,004	1,670	651.3	126 / 75

¹Elevation includes backwater effects

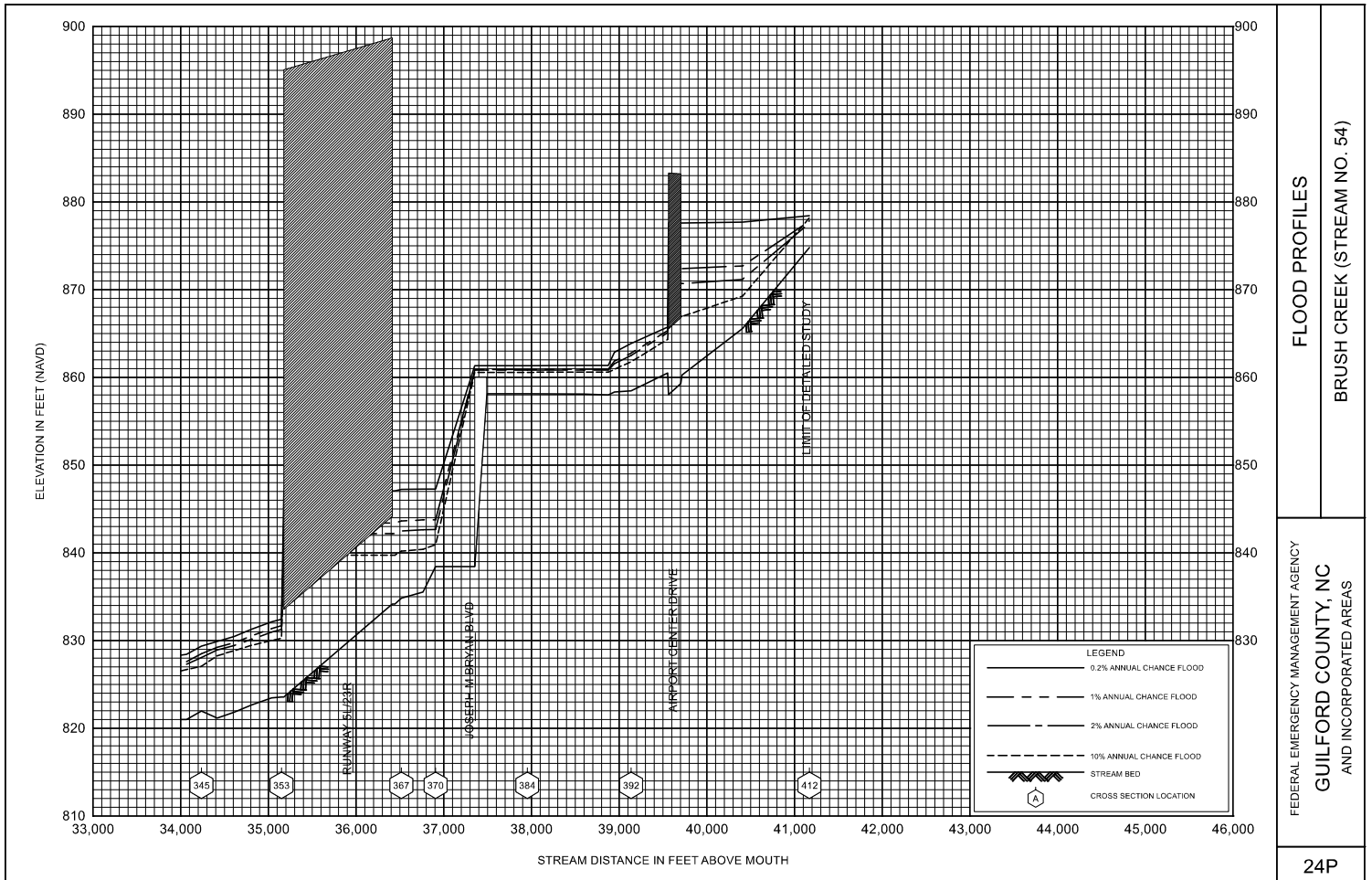
REVISED TO REFLECT LOMR
EFFECTIVE: August 25, 2025

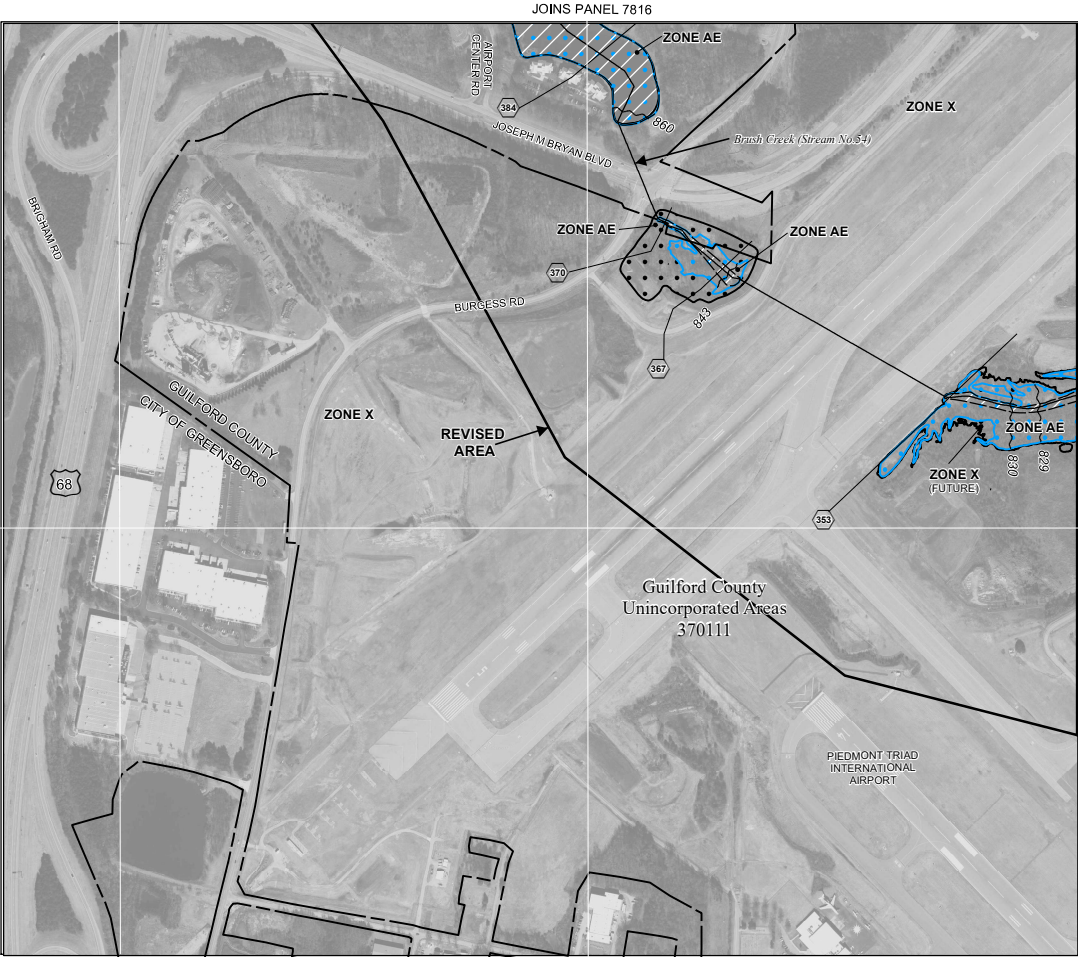


REVISED TO REFLECT LOMR
EFFECTIVE: August 25, 2025



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EFFECTIVE: August 25, 2025





Legend

- 1% annual chance (100-Year) Floodplain
- 1% annual chance (100-Year) Floodway
- 0.2% annual chance (500-Year) Floodplain or 1% annual chance future Floodplain

GRID NORTH
MAP SCALE 1" = 500' (1 : 6,000)

250 125 0 250 500 750 1,000 Feet

100 50 0 100 200 300 Meters

PANEL 7815J

FIRM
FLOOD INSURANCE RATE MAP

NORTH CAROLINA
PANEL 7815
(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

COMMUNITY	CID No.	PANEL	SUFFIX
GREENSBORO, CITY OF	375351	7815	J
GUILFORD COUNTY	370111	7815	J
HIGH POINT, CITY OF	370113	7815	J

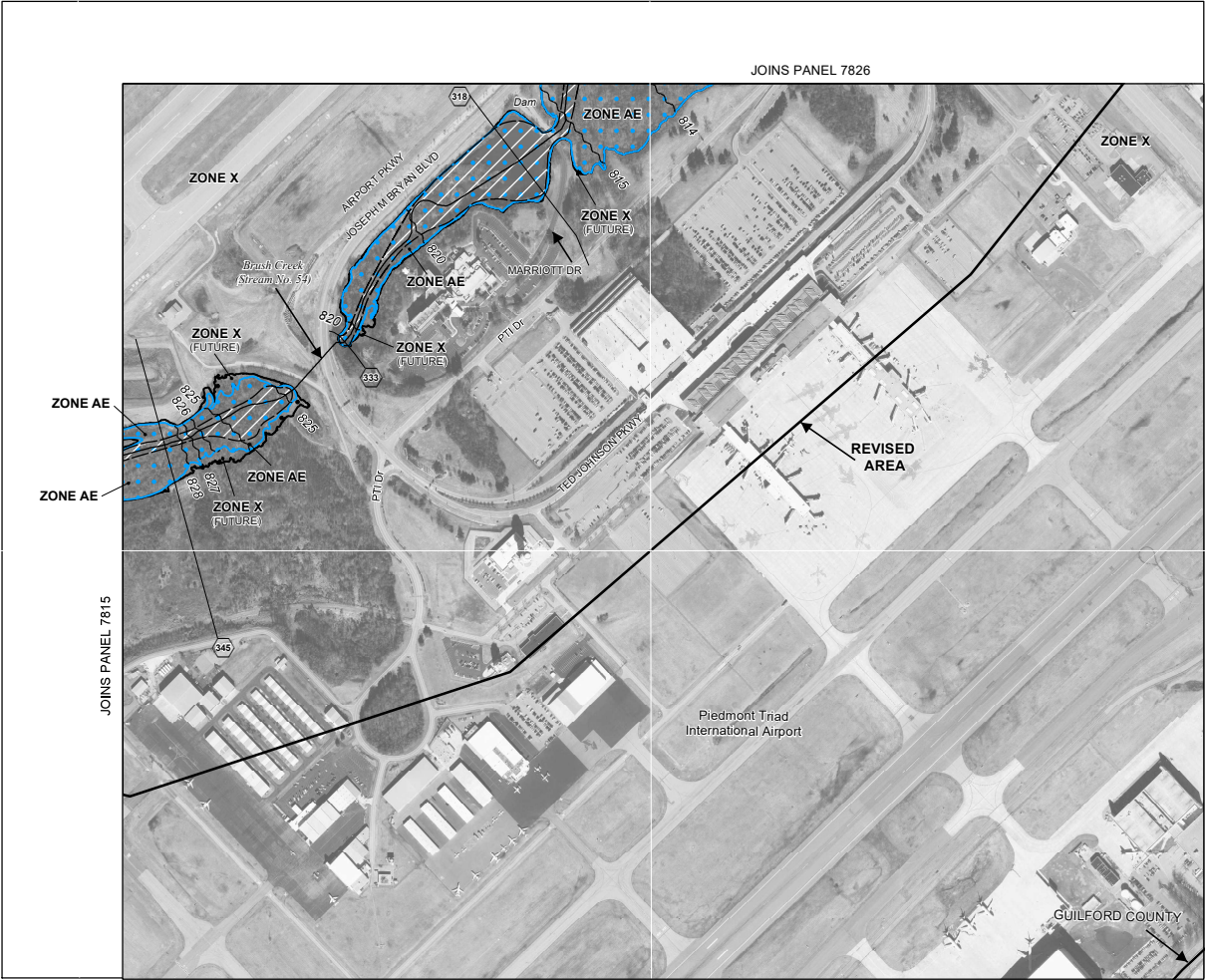
REVISED TO REFLECT LOMR EFFECTIVE: August 25, 2025

Notice to User: The Map Number shown below should be used when placing map orders, the Community Number shown above should be used on insurance applications for the subject community.

EFFECTIVE DATE
JUNE 18, 2007

MAP NUMBER
3710781500J

State of North Carolina
Federal Emergency Management Agency



Legend

- 1% annual chance (100-Year) Floodplain
- 1% annual chance (100-Year) Floodway
- 0.2% annual chance (500-Year) Floodplain or 1% annual chance future Floodplain

GRID NORTH
MAP SCALE 1" = 500' (1 : 6,000)

250 125 0 250 500 750 1,000 Feet

100 50 0 100 200 300 Meters

PANEL 7825J

FIRM
FLOOD INSURANCE RATE MAP

NORTH CAROLINA

PANEL 7825
(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	CID No.	PANEL	SUFFIX
GREENSBORO, CITY OF	375351	7825	J
GUILFORD COUNTY	370111	7825	J

REVISED TO REFLECT LOMR EFFECTIVE: August 25, 2025

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EFFECTIVE DATE
JUNE 18, 2007

MAP NUMBER
3710782500J

State of North Carolina
Federal Emergency Management Agency

