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 Caroline 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 Page 1 of 5 | Issue Date: April 10, 2025 | Effective Date: August 25, 2025 | Case No.: 24-04-2368P | LOMR-APP

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) COMMUNITY NO.: 370111		CULVERT FILL	1D HYDRAULIC ANALYSIS UPDATED TOPOGRAPHIC DATA FLOODWAY		
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* TYPE: FIRM* TYPE: FIRM* TYPE: FIRM*	NO.: 3710781600J NO.: 3710781500J NO.: 3710782500J NO.: 3710782600J	DATE: June 18, 2007 DATE: June 18, 2007 DATE: June 18, 2007 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			

Enclosures reflect changes to flooding sources affected by this revision.

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 REVISION	IS		
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 El			100	

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. Sacbibit, P.E.

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

^{*} FIRM - Flood Insurance Rate Map

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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			AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT			
TYPE: FIRM	NO.: 3710781600J	DATE: June 18, 2007	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: November 17, 2017 FLOODWAY DATA TABLE: 16 LIMITED DETAILED FLOOD HAZARD DATA TABLE: 17 PROFILES: 22P, 23P, 24P			
TYPE: FIRM	NO.: 3710781500J	DATE: June 18, 2007				
TYPE: FIRM	NO.: 3710782600J	DATE: June 18, 2007				

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.

Patrick "Rick" F. Sacbibit, P.E. Chief, Engineering Services Branch Risk Analysis, Planning and Information Directorate | Resilience Page 3 of 5 Issue Date: April 10, 2025 | Effective Date: August 25, 2025 | Case No.: 24-04-2368P | LOMR-APP



Federal Emergency Management Agency

Washington, D.C. 20472

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.

Patrick "Rick" F. Sacbibit, P.E. Chief, Engineering Services Branch

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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.

Patrick "Rick" F. Sacbibit, P.E. Chief, Engineering Services Branch Risk Analysis, Planning and Information Directorate | Resilience Page 5 of 5 Issue Date: April 10, 2025 Effective Date: August 25, 2025 Case No.: 24-04-2368P LOMR-APP



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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.

Patrick "Rick" F. Sacbibit, P.E. Chief, Engineering Services Branch

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) 066 122 144 182 194 206 227 244 279 318 333 345 353 367 370 384 392 412	6,600 12,180 14,355 18,215 19,443 20,580 22,726 24,415 27,930 31,812 33,338 34,463 35,342 36,664 37,045 38,427 39,206 41,196	600 244 393 348 61 107 176 63 384 430 60 158 26 150 20 254 70 24	3,762 2,414 2,312 1,807 325 567 709 339 804 1,726 152 285 178 332 64 687 145 39	1.3 3.5 4.2 2.3 9.4 5.7 3.2 6.7 1.5 0.6 8.2 3.4 1.0 5.0 0.6 2.8 8.3	767.9 772.4 775.2 782.4 782.9 786.4 792.2 793.6 804.7 819.8 823.5 823.5 828.5 831.7 843.6 843.8 860.9 862.8 877.8	767.9 772.4 775.2 782.4 782.9 786.4 792.2 793.6 804.7 819.8 823.5 823.5 823.5 824.7 843.6 843.8 860.9 862.8 877.8	767.9 773.4 776.2 783.3 783.7 787.2 792.6 794.0 805.0 819.8 823.5 823.5 823.6 832.3 843.6 843.8 860.9 862.8 877.8	0.0 1.0 1.0 0.9 0.8 0.8 0.4 0.4 0.3 0.0 0.0 0.1 0.6 0.0 0.0 0.0 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)

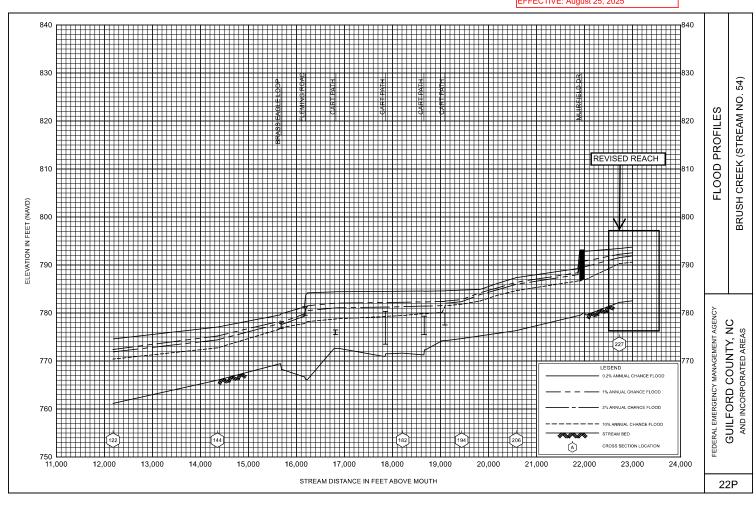
REVISED DATA

Table 17 - Limited Detailed Flood Hazard Data

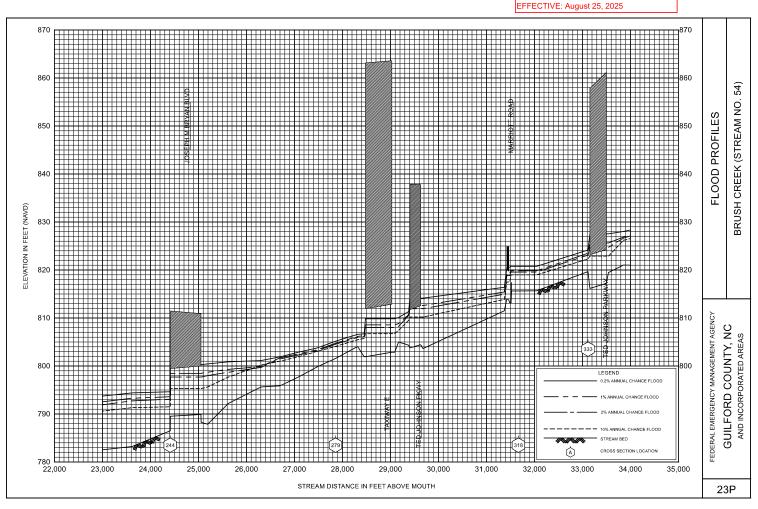
Cross Section	Stream Station	Flood discharge (cfs)	1% Annual Chance Water Surface Elevation (feet NAVD 88)	Non-Encroachment Width (feet) Left/Right from Stream Centerline
010	972	-8,888	816.8	-9,999 / -9,999
011	1,125	404	816.8	75 / 100
012	1,236	404	816.8	14 / 30
014	1,409	404	818.8	11 / 4
017	1,661	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

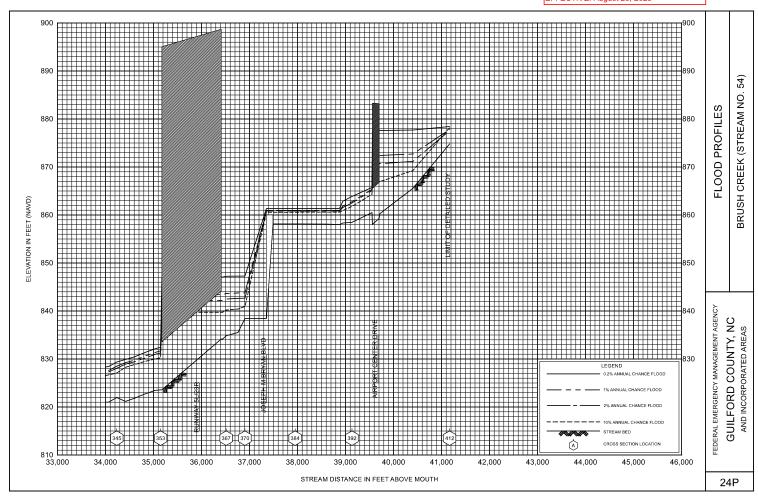
REVISED TO REFLECT LOMR EFFECTIVE: August 25, 2025

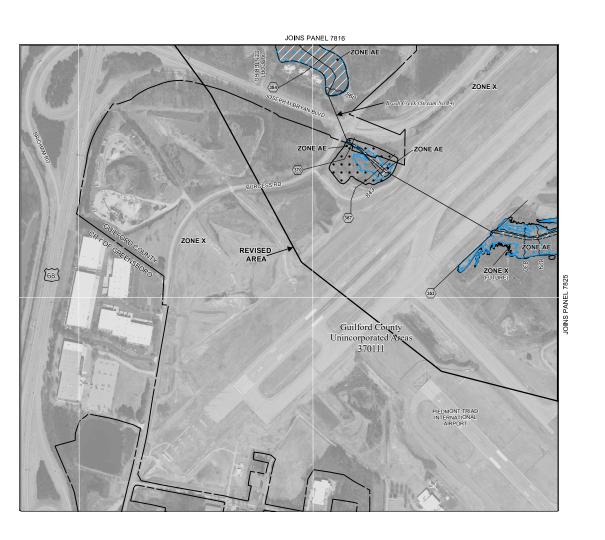


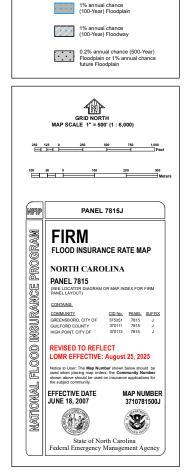
REVISED TO REFLECT LOMF EFFECTIVE: August 25, 2025



REVISED TO REFLECT LOMR EFFECTIVE: August 25, 2025







Legend

