National Flood Insurance Program

Elevation Certificate

and Instructions

2023 EDITION

FEMA

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

OMB Control No. 1660-0008
Expiration Date: 06/30/2026

ELEVATION CERTIFICATE AND INSTRUCTIONS

PAPERWORK REDUCTION ACT NOTICE

Public reporting burden for this data collection is estimated to average 3.75 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting this form. You are not required to respond to this collection of information unless a valid OMB control number is displayed on this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20742, Paperwork Reduction Project (1660-0008). **NOTE: Do not send your completed form to this address.**

PRIVACY ACT STATEMENT

Authority: Title 44 CFR § 61.7 and 61.8.

Principal Purpose(s): This information is being collected for the primary purpose of documenting compliance with National Flood Insurance Program (NFIP) floodplain management ordinances for new or substantially improved structures in designated Special Flood Hazard Areas. This form may also be used as an optional tool for a Letter of Map Amendment (LOMA), Conditional LOMA (CLOMA), Letter of Map Revision Based on Fill (LOMR-F), or Conditional LOMR-F (CLOMR-F), or for flood insurance rating purposes in any flood zone.

Routine Use(s): The information on this form may be disclosed as generally permitted under 5 U.S.C. § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/ FEMA-003 – *National Flood Insurance Program Files System of Records Notice* 79 Fed. Reg. 28747 (May 19, 2014) and upon written request, written consent, by agreement, or as required by law.

Disclosure: The disclosure of information on this form is voluntary; however, failure to provide the information requested may impact the flood insurance premium through the NFIP. Information will only be released as permitted by law.

PURPOSE OF THE ELEVATION CERTIFICATE

The Elevation Certificate is an important administrative tool of the NFIP. It can be used to provide elevation information necessary to ensure compliance with community floodplain management ordinances, to inform the proper insurance premium, and to support a request for a LOMA, CLOMA, LOMR-F, or CLOMR-F.

The Elevation Certificate is used to document floodplain management compliance for Post-Flood Insurance Rate Map (FIRM) buildings, which are buildings constructed after publication of the FIRM, located in flood Zones A1–A30, AE, AH, AO, A (with Base Flood Elevation (BFE)), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, and A99. It may also be used to provide elevation information for Pre-FIRM buildings or buildings in any flood zone.

As part of the agreement for making flood insurance available in a community, the NFIP requires the community to adopt floodplain management regulations that specify minimum requirements for reducing flood losses. One such requirement is for the community to obtain the elevation of the lowest floor (including basement) of all new and substantially improved buildings, and maintain a record of such information. The Elevation Certificate provides a way for a community to document compliance with the community's floodplain management ordinance.

Use of this certificate does not provide a waiver of the flood insurance purchase requirement. Only a LOMA or LOMR-F from the Federal Emergency Management Agency (FEMA) can amend the FIRM and remove the federal mandate for a lending institution to require the purchase of flood insurance. However, the lending institution has the option of requiring flood insurance even if a LOMA/LOMR-F has been issued by FEMA. The Elevation Certificate may be used to support a LOMA, CLOMA, LOMR-F, or CLOMR-F request. Lowest Adjacent Grade (LAG) elevations certified by a land surveyor, engineer, or architect, as authorized by state law, will be required if the certificate is used to support a LOMA, CLOMA, LOMR-F, or CLOMR-F request. A LOMA, CLOMA, LOMR-F, or CLOMR-F request must be submitted with either a completed FEMA MT-EZ or MT-1 application package, whichever is appropriate. If the certificate will only be completed to support a LOMA, CLOMA, LOMR-F, or CLOMR-F request, there is an option to document the certified LAG elevation on the Elevation Form included in the MT-EZ and MT-1 application.

This certificate is used only to certify building elevations. A separate certificate is required for floodproofing. Under the NFIP, non-residential buildings can be floodproofed up to or above the BFE. A floodproofed building is a building that has been designed and constructed to be watertight (substantially impermeable to floodwaters) below the BFE. Floodproofing of residential buildings is not permitted under the NFIP unless FEMA has granted the community an exception for residential floodproofed basements. The community must adopt standards for design and construction of floodproofed basements before FEMA will grant a basement exception. For both floodproofed non-residential buildings and residential floodproofed basements in communities that have been granted an exception by FEMA, a floodproofing certificate is required.

The expiration date on the form herein does not apply to certified and completed Elevation Certificates, as a completed Elevation Certificate does not expire, unless there is a physical change to the building that invalidates information in Section A Items A8 or A9, Section C, Section E, or Section H. In addition, this form is intended for the specific building referenced in Section A and is not invalidated by the transfer of building ownership.

Additional guidance can be found in FEMA Publication 467-1, *Floodplain Management Bulletin: Elevation Certificate.*

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

OMB Control No. 1660-0008
Expiration Date: 06/30/2026

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

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

SECTION A – PROPERTY INFORMATION

FOR INSURANCE COMPANY USE

Policy Number:

Company NAIC Number:

A1. Building Owner's Name: Frances Linda Fultz

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 1039 Indiana Avenue

City: Fairmont State: WV ZIP Code: 26554

A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: Parcel ID 24-05-0003-0134-0000

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

A5. Latitude/Longitude: Lat. 39.478835 Long. -80.119219 Horiz. Datum: ☐ NAD 1927 ☒ NAD 1983 ☐ WGS 84

A6. Attach at least two and when possible four clear color photographs (one for each side) of the building (see Form pages 7 and 8).

A7. Building Diagram Number:

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

a) Square footage of crawlspace or enclosure(s): sq. ft.

b) Is there at least one permanent flood opening on two different sides of each enclosed area? ☐ Yes ☐ No ☐ N/A

c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade:
Non-engineered flood openings: Engineered flood openings:

d) Total net open area of non-engineered flood openings in A8.c: sq. in.

e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): sq. ft.

f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): sq. ft.

A9. For a building with an attached garage:

a) Square footage of attached garage: sq. ft.

b) Is there at least one permanent flood opening on two different sides of the attached garage? ☐ Yes ☐ No ☐ N/A

c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade:
Non-engineered flood openings: Engineered flood openings:

d) Total net open area of non-engineered flood openings in A9.c: sq. in.

e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): sq. ft.

f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): sq. ft.

SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1.a. NFIP Community Name: City of Fairmont B1.b. NFIP Community Identification Number: 540099

B2. County Name: Marion B3. State: WV B4. Map/Panel No.: 226 B5. Suffix: E

B6. FIRM Index Date: 04/05/2019 B7. FIRM Panel Effective/Revised Date: 04/05/2019

B8. Flood Zone(s): AE B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): 963.9

B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9:
☐ FIS ☒ FIRM ☐ Community Determined ☐ Other:

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: ☐ CBRS ☐ OPA

B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? ☐ Yes ☒ No

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 1039 Indiana Avenue

City: Fairmont State: WV ZIP Code: 26554

FOR INSURANCE COMPANY USE

Policy Number:

Company NAIC Number:

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, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters.
Benchmark Utilized: JX1802 Vertical Datum: NAVD 88

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

Datum used for building elevations must be the same as that used for the BFE. Conversion factor used? ☐ Yes ☒ No
If Yes, describe the source of the conversion factor in the Section D Comments area.

		Check the measurement used:
a) Top of bottom floor (including basement, crawlspace, or enclosure floor):	n/a	☐ feet ☐ meters
b) Top of the next higher floor (see Instructions):	969.83	☒ feet ☐ meters
c) Bottom of the lowest horizontal structural member (see Instructions):	n/a	☐ feet ☐ meters
d) Attached garage (top of slab):	n/a	☐ feet ☐ meters
e) Lowest elevation of Machinery and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area):	963.27	☒ feet ☐ meters
f) Lowest Adjacent Grade (LAG) next to building: ☒ Natural ☐ Finished	962.58	☒ feet ☐ meters
g) Highest Adjacent Grade (HAG) next to building: ☒ Natural ☐ Finished	962.82	☒ feet ☐ meters
h) Finished LAG at lowest elevation of attached deck or stairs, including structural support:	962.58	☒ 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 state 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.*

Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No

☒ Check here if attachments and describe in the Comments area.

Certifier's Name: Zachary R. Hawkins License Number: 2477

Title: Owner/Professional Surveyor

Company Name: Cardinal Land Surveying, LLC

Address: PO Box 1673

City: Fairmont State: WV ZIP Code: 26555

Telephone: (304) 627-7074 Ext.: Email: zhawkins@cardinalsurv.com

Signature: Zachary R Hawkins Date: 10/28/2025

ZACHARY R. HAWKINS * LICENSED * No. 2477 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

Place Seal Here

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

Comments (including source of conversion factor in C2; type of equipment and location per C2.e; and description of any attachments):
Elevation Certificate prepared upon request by landowner for the City of Fairmont to confirm whether or not the porch under construction was within the flood zone.
See topo map with proposed porch shown, NGS Monument datasheet, and Firmette attached.

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 1039 Indiana Avenue City: Fairmont State: WV ZIP Code: 26554	**FOR INSURANCE COMPANY USE** Policy Number: Company NAIC Number:

SECTION E – BUILDING MEASUREMENT INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO, ZONE AR/AO, AND ZONE A (WITHOUT BFE)

For Zones AO, AR/AO, and A (without BFE), complete Items E1–E5. For Items E1–E4, use natural grade, if available. If the Certificate is intended to support a Letter of Map Change request, complete Sections A, B, and C. Check the measurement used. In Puerto Rico only, enter meters.

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

E1. Provide measurements (C.2.a in applicable Building Diagram) for the following and check the appropriate boxes to show whether the measurement is above or below the natural HAG and the 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 1–2 of Instructions), the next higher floor (C2.b in applicable Building Diagram) 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 AUTHORIZED REPRESENTATIVE) CERTIFICATION

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

☐ Check here if attachments and describe in the Comments area.

Property Owner or Owner's Authorized Representative Name: _____

Address: _____

City: _____ State: _____ ZIP Code: _____

Telephone: _____ Ext.: _____ Email: _____

Signature: _____ Date: _____

Comments:

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 1039 Indiana Avenue	**FOR INSURANCE COMPANY USE**
City: Fairmont State: WV ZIP Code: 26554	Policy Number: _____
	Company NAIC Number: _____

SECTION G – COMMUNITY INFORMATION (RECOMMENDED FOR COMMUNITY OFFICIAL COMPLETION)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Section A, B, C, E, G, or H of this Elevation Certificate. Complete the applicable item(s) and sign below when:

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 state law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2.a. ☐ A local official completed Section E for a building located in Zone A (without a BFE), Zone AO, or Zone AR/AO, or when item E5 is completed for a building located in Zone AO.

G2.b. ☐ A local official completed Section H for insurance purposes.

G3. ☐ In the Comments area of Section G, the local official describes specific corrections to the information in Sections A, B, E and H.

G4. ☐ The following information (Items G5–G11) is provided for community floodplain management purposes.

G5. Permit Number: _____ G6. Date Permit Issued: _____

G7. Date Certificate of Compliance/Occupancy Issued: _____

G8. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G9.a. Elevation of as-built lowest floor (including basement) of the building: _____ ☐ feet ☐ meters Datum: _____

G9.b. Elevation of bottom of as-built lowest horizontal structural member: _____ ☐ feet ☐ meters Datum: _____

G10.a. BFE (or depth in Zone AO) of flooding at the building site: _____ ☐ feet ☐ meters Datum: _____

G10.b. Community's minimum elevation (or depth in Zone AO) requirement for the lowest floor or lowest horizontal structural member: _____ ☐ feet ☐ meters Datum: _____

G11. Variance issued? ☐ Yes ☐ No If yes, attach documentation and describe in the Comments area.

The local official who provides information in Section G must sign here. *I have completed the information in Section G and certify that it is correct to the best of my knowledge. If applicable, I have also provided specific corrections in the Comments area of this section.*

Local Official's Name: _____ Title: _____

NFIP Community Name: _____

Telephone: Ext.: _____ Email: _____

Address: _____

City: _____ State: _____ ZIP Code: _____

Signature: _____ Date: _____

Comments (including type of equipment and location, per C2.e; description of any attachments; and corrections to specific information in Sections A, B, D, E, or H):

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 1039 Indiana Avenue City: Fairmont State: WV ZIP Code: 26554	**FOR INSURANCE COMPANY USE** Policy Number: _____ Company NAIC Number: _____

SECTION H – BUILDING'S FIRST FLOOR HEIGHT INFORMATION FOR ALL ZONES (SURVEY NOT REQUIRED) (FOR INSURANCE PURPOSES ONLY)

The property owner, owner's authorized representative, or local floodplain management official may complete Section H for all flood zones to determine the building's first floor height for insurance purposes. Sections A, B, and I must also be completed. Enter heights to the nearest tenth of a foot (nearest tenth of a meter in Puerto Rico). ***Reference the Foundation Type Diagrams (at the end of Section H Instructions) and the appropriate Building Diagrams (at the end of Section I Instructions) to complete this section.***

H1. Provide the height of the top of the floor (as indicated in Foundation Type Diagrams) above the Lowest Adjacent Grade (LAG):

a) **For Building Diagrams 1A, 1B, 3, and 5–8.** Top of bottom floor (include above-grade floors only for buildings with crawlspaces or enclosure floors) is: _____ ☐ feet ☐ meters ☐ above the LAG

b) **For Building Diagrams 2A, 2B, 4, and 6–9.** Top of next higher floor (i.e., the floor above basement, crawlspace, or enclosure floor) is: _____ ☐ feet ☐ meters ☐ above the LAG

H2. Is **all** Machinery and Equipment servicing the building (as listed in Item H2 instructions) elevated to or above the floor indicated by the H2 arrow (shown in the Foundation Type Diagrams at end of Section H instructions) for the appropriate Building Diagram?

☐ Yes ☐ No

SECTION I – PROPERTY OWNER (OR OWNER'S AUTHORIZED REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and H must sign here. *The statements in Sections A, B, and H are correct to the best of my knowledge.* **Note:** If the local floodplain management official completed Section H, they should indicate in Item G2.b and sign Section G.

☐ Check here if attachments are provided (including required photos) and describe each attachment in the Comments area.

Property Owner or Owner's Authorized Representative Name: _____

Address: _____

City: _____ State: _____ ZIP Code: _____

Telephone: _____ Ext.: _____ Email: _____

Signature: _____ Date: _____

Comments:

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

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.:
1039 Indiana Avenue

City: Fairmont State: WV ZIP Code: 26554

FOR INSURANCE COMPANY USE

Policy Number:

Company NAIC Number:

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.

Photo One

Photo One Caption: South West View

Clear Photo One

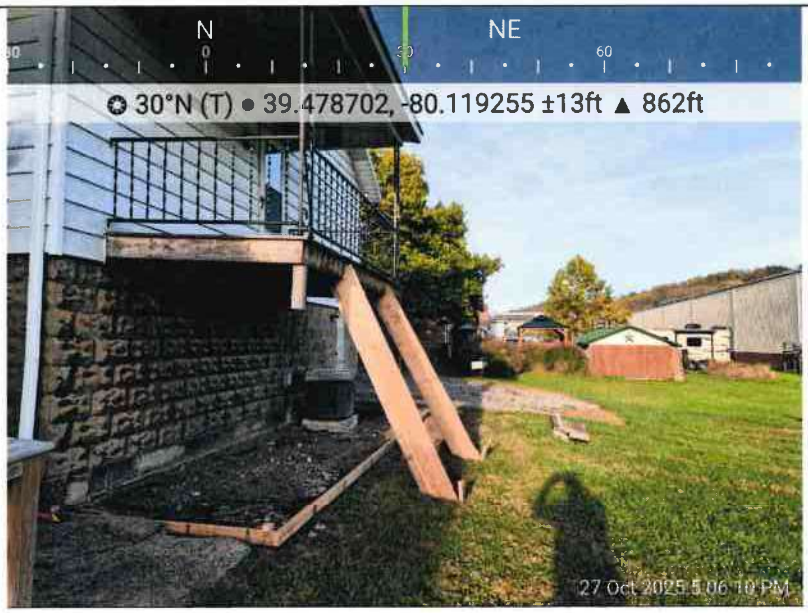


Photo Two

Photo Two Caption: North East View

Clear Photo Two

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

BUILDING PHOTOGRAPHS

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 1039 Indiana Avenue

City: Fairmont State: WV ZIP Code: 26554

FOR INSURANCE COMPANY USE

Policy Number:

Company NAIC Number:

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.

Photo Three

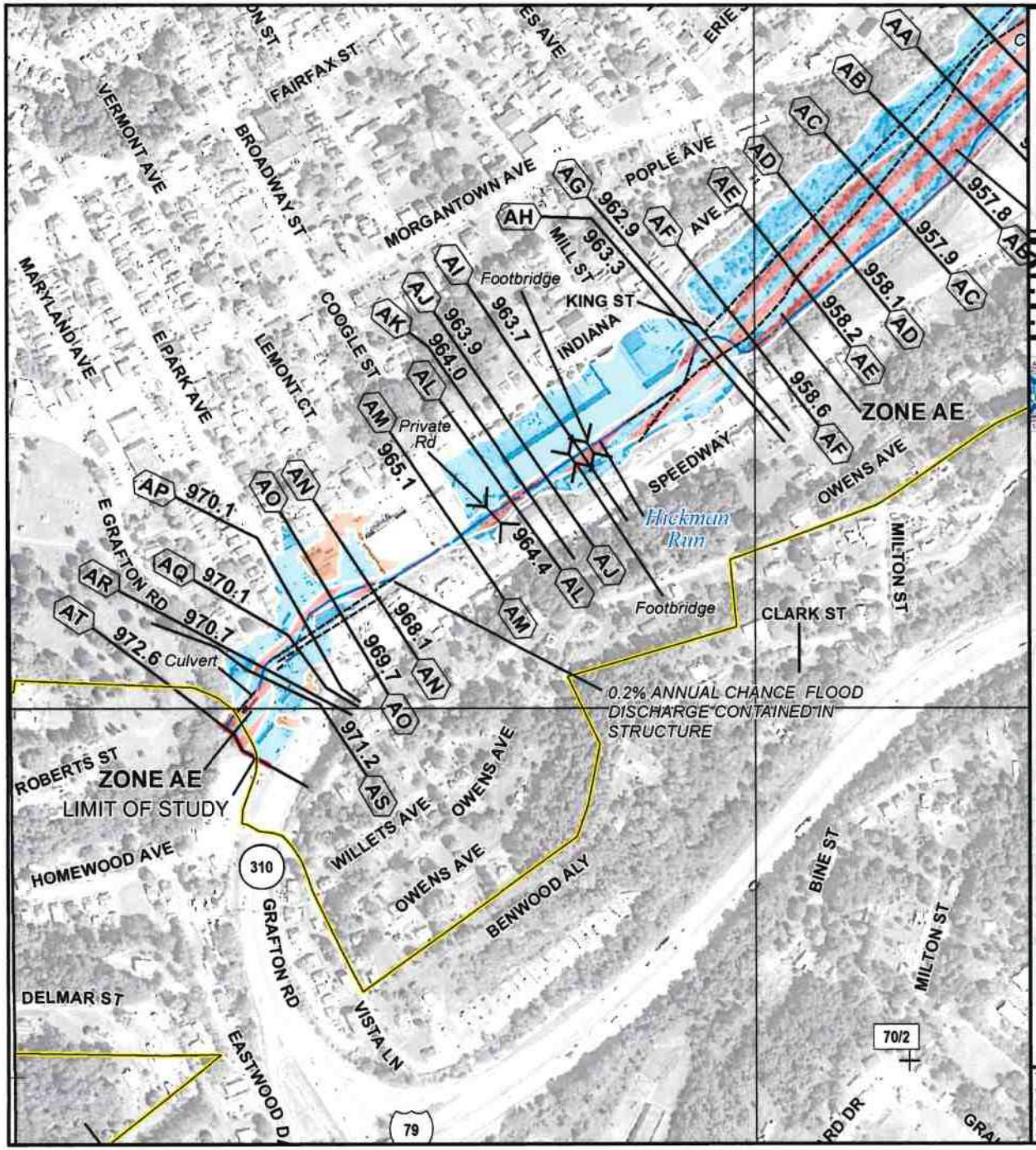
Photo Three Caption: North View

Clear Photo Three

Photo Four

Photo Four Caption:

Clear Photo Four



National Flood Insurance Program

NATIONAL FLOOD INSURA

FLOOD INSURANCE RATE

MARION COUNTY, WEST VIRGINIA
And Incorporated Areas

PANEL 226 OF 275

FEMA

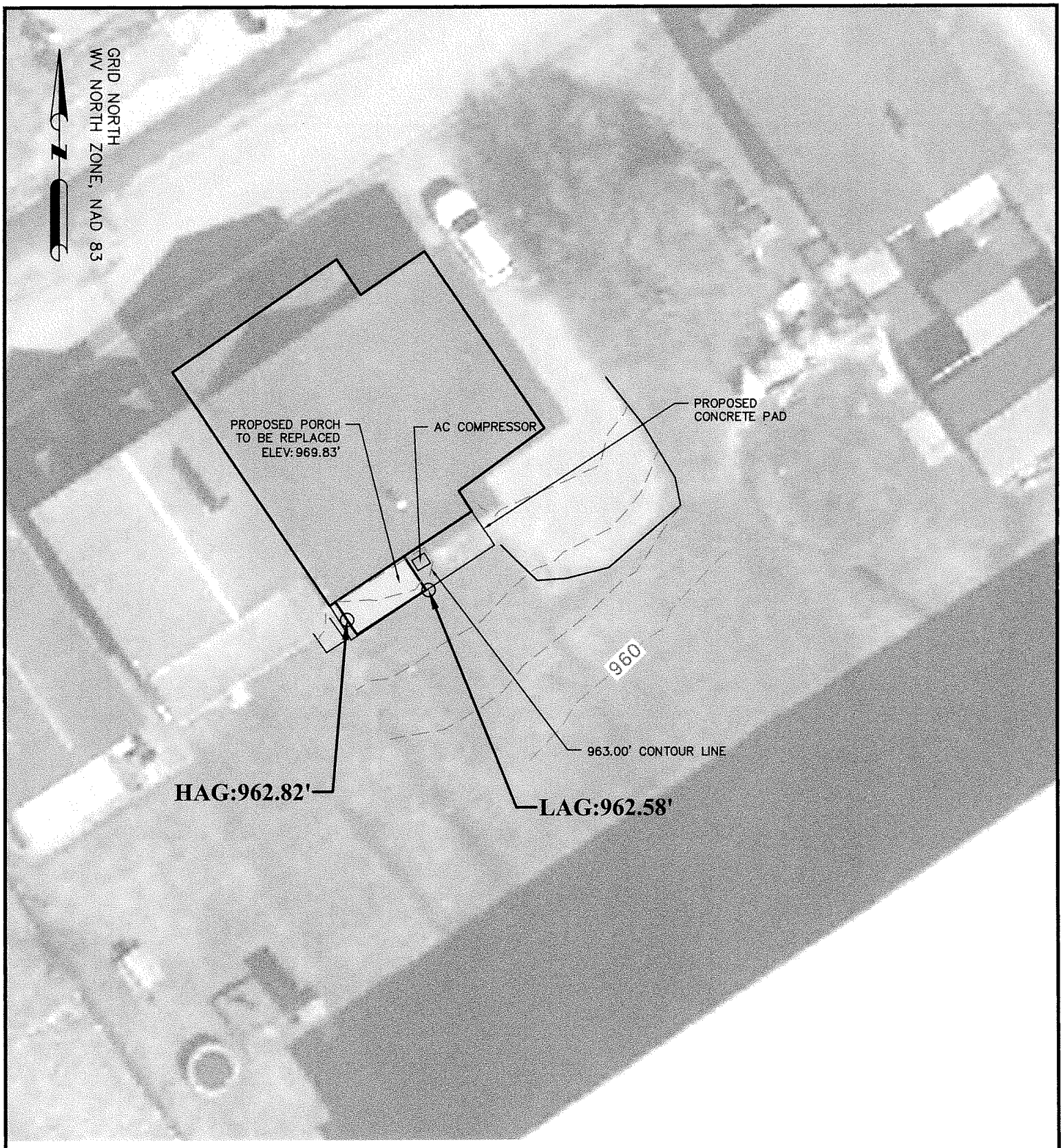
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
FAIRMONT, CITY OF	540099	0226	E
MARION COUNTY	540097	0226	E

VERSION NUMBER
2.3.3.2

MAP NUMBER
54049C0226E

MAP REVISED
APRIL 5, 2019


GRID NORTH
WV NORTH ZONE, NAD 83
N
PROPOSED PORCH
TO BE REPLACED
ELEV: 969.83'
AC COMPRESSOR
PROPOSED
CONCRETE PAD
960
963.00' CONTOUR LINE
HAG:962.82'
LAG:962.58'
0
20'
40'

The NGS Data Sheet

See file dsdata.pdf for more information about the datasheet.

```
PROGRAM = datasheet95, VERSION = 8.12.5.20
Starting Datasheet Retrieval...
1    National Geodetic Survey, Retrieval Date = OCTOBER 28, 2025 12:17:54 EDT
 JX1802 ***********************************************************************
 JX1802  DESIGNATION -  FAIRMONT MAGNETIC
 JX1802  PID         -  JX1802
 JX1802  STATE/COUNTY-  WV/MARION
 JX1802  COUNTRY     -  US
 JX1802  USGS QUAD   -  FAIRMONT EAST (2016)
 JX1802
 JX1802                        *CURRENT SURVEY CONTROL
 JX1802 ______________________________________________________________________
 JX1802* NAD 83(1995) POSITION- 39 28 38.42148(N) 080 07 30.30931(W)   ADJUSTED
 JX1802* NAVD 88 ORTHO HEIGHT -   324.173 (meters)     1063.56  (feet) ADJUSTED
 JX1802 ______________________________________________________________________
 JX1802  GEOID HEIGHT    -        -32.570 (meters)                    GEOID18
 JX1802  LAPLACE CORR    -          3.44  (seconds)                   DEFLEC18
 JX1802  DYNAMIC HEIGHT  -        323.980 (meters)     1062.92  (feet) COMP
 JX1802  MODELED GRAVITY -    980,019.9   (mgal)                      NAVD 88
 JX1802
 JX1802  HORZ ORDER      -  SECOND
 JX1802  VERT ORDER      -  FIRST     CLASS II
 JX1802
 JX1802.The horizontal coordinates were established by classical geodetic methods
 JX1802.and adjusted by the National Geodetic Survey in April 1998.
 JX1802
 JX1802.The orthometric height was determined by differential leveling and
 JX1802.adjusted by the NATIONAL GEODETIC SURVEY
 JX1802.in June 1991.
 JX1802
 JX1802.Significant digits in the geoid height do not necessarily reflect accuracy.
 JX1802.GEOID18 height accuracy estimate available here.
 JX1802
 JX1802.Click photographs - Photos may exist for this station.
 JX1802
 JX1802.The Laplace correction was computed from DEFLEC18 derived deflections.
 JX1802
 JX1802.The dynamic height is computed by dividing the NAVD 88
 JX1802.geopotential number by the normal gravity value computed on the
 JX1802.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 JX1802.degrees latitude (g = 980.6199 gals.).
 JX1802
 JX1802.The modeled gravity was interpolated from observed gravity values.
 JX1802
 JX1802. The following values were computed from the NAD 83(1995) position.
 JX1802
 JX1802;                    North         East     Units Scale Factor Converg.
 JX1802;SPC WV N      -   108,688.220   546,220.209   MT  0.99994409   -0 23 55.2
 JX1802;SPC WV N      -   356,587.94  1,792,057.47   sFT  0.99994409   -0 23 55.2
 JX1802;UTM  17       - 4,370,114.902   575,249.238   MT  0.99966972   +0 33 22.6
 JX1802
 JX1802!              -  Elev Factor  x  Scale Factor =   Combined Factor
 JX1802!SPC WV N      -   0.99995425  x   0.99994409  =   0.99989835
 JX1802!UTM  17       -   0.99995425  x   0.99966972  =   0.99962399
 JX1802
 JX1802:                Primary Azimuth Mark                     Grid Az
 JX1802:SPC WV N      -  FAIRMONT                                306 33 20.5
 JX1802:UTM  17       -  FAIRMONT                                305 36 02.7
```

```
JX1802
JX1802_U.S. NATIONAL GRID SPATIAL ADDRESS: 17SND7524970114(NAD 83)
JX1802
JX1802|----------------------------------------------------------------------|
JX1802| PID    Reference Object                      Distance      Geod. Az  |
JX1802|                                                            dddmmss.s |
JX1802| CX4473 FAIRMONT MAGNETIC RM 1                 5.355 METERS 17301     |
JX1802| CX4474 FAIRMONT MAGNETIC RM 2                 4.995 METERS 26921     |
JX1802| JX1897 FAIRMONT COUNTY CTHSE DOME           APPROX. 1.8 KM 2982905.8 |
JX1802| JX1894 FAIRMONT                            APPROX. 2.7 KM 3060925.3 |
JX1802|----------------------------------------------------------------------|
JX1802
JX1802                          SUPERSEDED SURVEY CONTROL
JX1802
JX1802  NAD 83(1986)-  39 28 38.42422(N)    080 07 30.32053(W) AD(       ) 2
JX1802  NAD 27      -  39 28 38.12370(N)    080 07 31.02590(W) AD(       ) 2
JX1802  NGVD 29             324.33   (m)          1064.1    (f) LEVELING    3
JX1802
JX1802.Superseded values are not recommended for survey control.
JX1802
JX1802.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
JX1802.See file dsdata.pdf to determine how the superseded data were derived.
JX1802
JX1802_MARKER: DS = TRIANGULATION STATION DISK
JX1802_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
JX1802_STAMPING: FAIRMONT MAGNETIC 1941
JX1802_MARK LOGO: CGS
JX1802_PROJECTION: PROJECTING 5 CENTIMETERS
JX1802_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
JX1802+STABILITY: SURFACE MOTION
JX1802_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
JX1802+SATELLITE: SATELLITE OBSERVATIONS - October 07, 2007
JX1802
JX1802  HISTORY     - Date     Condition        Report By
JX1802  HISTORY     - 1941     MONUMENTED       CGS
JX1802  HISTORY     - 1983     GOOD             NGS
JX1802  HISTORY     - 20071007 GOOD             GEOCAC
JX1802
JX1802                          STATION DESCRIPTION
JX1802
JX1802'DESCRIBED BY COAST AND GEODETIC SURVEY 1941 (GWL)
JX1802'STATION IS IN THE CITY OF FAIRMONT IN THE MAPLE GROVE CEMETERY.  IT
JX1802'IS 0.1 MILE SW OF MORGANTOWN AVENUE, 10 FEET NW OF THE CENTER OF A
JX1802'CEMETERY DRIVE LEADING UPHILL AND 17 FEET SE OF THE MORGAN
JX1802'MONUMENT.
JX1802'
JX1802'THE ORIGINAL DISK WAS DESTROYED.  A NEW DISK WAS SET IN THE
JX1802'ORIGINAL DRILL HOLE OF THE 6-INCH SQUARE MARBLE POST
JX1802'PROJECTING 6 INCHES AND IS STAMPED--FAIRMONT MAGNETIC 1941--.
JX1802'
JX1802'SURFACE, UNDERGROUND, AND REFERENCE MARKS ARE STANDRD BRONZE
JX1802'DISKS SET IN CONCRETE.
JX1802'
JX1802'REFERENCE MARK NO. 1 IS LOCATED ABOUT 5 FEET NW OF THE CENTER
JX1802'OF CEMETERY DRIVE UPHILL, FLUSH WITH THE SURFACE OF THE
JX1802'GROUND.  IT IS STAMPED--FAIRMONT MAGNETIC NO. 1 1941--.
JX1802'
JX1802'REFERENCE MARK NO. 2 IS SET 26 FEET NW OF THE CEMETERY DRIVE
JX1802'UPHILL, 9 FEET SW  OF THE MORGAN MONUMENT, AND FLUSH WITH
JX1802'THE SURFACE OF THE GROUND.
JX1802'IT IS STAMPED--FAIRMONT MAGNETIC NO. 2 1941--.
JX1802'
JX1802'THE AZIMUTH MARK FOR THIS STATION IS TRIANGULATION STATION
JX1802'FAIRMONT.
JX1802'
```

JX1802'TO REACH THE STATION FROM THE COURTHOUSE IN FAIRMONT GO EASTWARD
JX1802'ON STATE HIGHWAY 73 FOR 1.2 MILES TO THE MAPLE TO THE MAPLE
JX1802'CEMETERY ON THE RIGHT, TURN RIGHT AND FOLLOW CEMETERY DRIVE
JX1802'UPHILL FOR 0.1 MILE TO THE STATION ON THE RIGHT AS DESCRIBED.
JX1802
JX1802 STATION RECOVERY (1983)
JX1802
JX1802'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1983
JX1802'IN FAIRMONT.
JX1802'IN FAIRMONT, IN THE MAPLE GROVE CEMETERY, 0.2 KM (0.1 MI) SOUTH OF THE
JX1802'MAIN ENTRANCE ON MORGANTOWN ROAD, 3.05 METERS (10.0 FT) WEST OF THE
JX1802'MAIN ROAD LEADING SOUTH AND DIRECTLY TO THE TOP OF THE CEMETERY,
JX1802'5.18 METERS (17.0 FT) SOUTHEAST OF THE MAIN MONUMENT OF THE MORGAN
JX1802'FAMILY PLOT.
JX1802'THE MARK IS 0.1 M ABOVE GRAVEL ROAD.
JX1802
JX1802 STATION RECOVERY (2007)
JX1802
JX1802'RECOVERY NOTE BY GEOCACHING 2007 (BP)
JX1802'I FOUND THE STATION MARK AND REFERENCE MARK 1. I COULDN'T FIND
JX1802'REFERENCE MARK 2.

*** retrieval complete.
Elapsed Time = 00:00:03