

Follows Conditional Case No.: 05-08-0331R



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

| COMMUNITY AND REVISION INFORMATION |   | PROJECT DESCRIPTION  | BASIS OF REQUEST  |
|------------------------------------|---|--|---|
| COMMUNITY                          | City of Grand Junction<br>Mesa County<br>Colorado | CHANNELIZATION<br>DETENTION BASIN  | HYDRAULIC ANALYSIS<br>HYDROLOGIC ANALYSIS<br>UPDATED TOPOGRAPHIC DATA |
|                                    | COMMUNITY NO.: 080117                             |  |   |
| IDENTIFIER                         | Leach Creek Detention Basin                       | APPROXIMATE LATITUDE & LONGITUDE: 39.106, -108.604<br>SOURCE: USGS QUADRANGLE      DATUM: NAD 83   |   |
| ANNOTATED MAPPING ENCLOSURES       |   | ANNOTATED STUDY ENCLOSURES   |   |
| TYPE: FIRM*                        | NO.: 08077C0464G      DATE: October 16, 2012      | DATE OF EFFECTIVE FLOOD INSURANCE STUDY: October 16, 2012<br>PROFILES: 54P, 55P, 56P, 57P, 57P(a), 79P<br>SUMMARY OF DISCHARGES TABLE: 3 |   |
| TYPE: FIRM*                        | NO.: 08077C0468G      DATE: October 16, 2012      |  |   |
| TYPE: FIRM*                        | NO.: 08077C0801G      DATE: October 16, 2012      |  |   |
| TYPE: FIRM*                        | NO.: 08077C0802G      DATE: October 16, 2012      |  |   |
| TYPE: FIRM*                        | NO.: 08077C0803G      DATE: October 16, 2012      |  |   |
| TYPE: FIRM*                        | NO.: 08077C0806G      DATE: October 16, 2012      |  |   |

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map

### FLOODING SOURCES & REVISED REACHES

See Page 2 for Additional Flooding Sources

Leach Creek - From just downstream of Riverside Parkway to just downstream of the Government Highline Canal.

### SUMMARY OF REVISIONS

| Flooding Source | Effective Flooding | Revised Flooding | Increases | Decreases |
|-----------------|--------------------|------------------|-----------|-----------|
| Leach Creek     | BFEs*              | BFEs             | YES       | YES       |
|                 | Zone AE            | Zone AE          | YES       | YES       |
|                 | Zone A             | Zone A           | NONE      | YES       |
|                 | Zone AO            | Zone AO          | NONE      | YES       |
|                 | Zone X (shaded)    | Zone X (shaded)  | YES       | YES       |

\* BFEs - Base 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 Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Patrick "Rick" F. Sacbbit, P.E., Branch Chief  
Engineering Services Division  
Federal Insurance and Mitigation Administration

16-08-0727P

102-I-A-C



**Federal Emergency Management Agency**  
Washington, D.C. 20472

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

**OTHER FLOODING SOURCES AFFECTED BY THIS REVISION**

**FLOODING SOURCES & REVISED REACHES**

North Leach Creek - From the confluence with Leach Creek to approximately 230 feet upstream of G Road.

**SUMMARY OF REVISIONS**

| Flooding Source   | Effective Flooding | Revised Flooding | Increases | Decreases |
|-------------------|--------------------|------------------|-----------|-----------|
| North Leach Creek | BFEs               | BFEs             | YES       | YES       |
|                   | Zone AE            | Zone AE          | YES       | YES       |
|                   | Zone X (shaded)    | Zone X (shaded)  | YES       | NONE      |

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 Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Federal Insurance and Mitigation Administration



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Washington, D.C. 20472

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

**OTHER COMMUNITIES AFFECTED BY THIS REVISION**

**CID Number:** 080115      **Name:** Mesa County, Colorado

**AFFECTED MAP PANELS**

|             |                  |                        |
|-------------|------------------|------------------------|
| TYPE: FIRM* | NO.: 08077C0802G | DATE: October 16, 2012 |
| TYPE: FIRM* | NO.: 08077C0468G | DATE: October 16, 2012 |

**AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT**

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: October 16, 2012  
 PROFILES: 57P, 57P(a)  
 SUMMARY OF DISCHARGES TABLE: 3

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 Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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 Engineering Services Division  
 Federal Insurance and Mitigation Administration



# 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 discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist 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 Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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

Patrick "Rick" F. Sacibit, P.E., Branch Chief  
Engineering Services Division  
Federal Insurance and Mitigation Administration



Federal Emergency Management Agency  
Washington, D.C. 20472

**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (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:

Ms. Jeanine D. Petterson  
Director, Mitigation Division  
Federal Emergency Management Agency, Region VIII  
Denver Federal Center, Building 710  
P.O. Box 25267  
Denver, CO 80225-0267  
(303) 235-4830

**STATUS OF THE COMMUNITY NFIP MAPS**

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

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 Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Engineering Services Division  
Federal Insurance and Mitigation Administration



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

LOCAL NEWSPAPER

Name: *The Daily Sentinel*

Dates: October 28, 2016 and November 4, 2016

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 Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Patrick "Rick" F. Sacbbit, P.E., Branch Chief  
Engineering Services Division  
Federal Insurance and Mitigation Administration

Table 3 - Summary of Discharges

| <u>Flooding Source and Location</u>  | <u>Drainage Area<br/>(Square Miles)</u> | <u>Peak Discharges (cfs)</u>         |                                     |                                     |                                       |
|--|---|--------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------|
|  |   | <u>10-Percent-<br/>Annual-Chance</u> | <u>2-Percent-<br/>Annual-Chance</u> | <u>1-Percent-<br/>Annual-Chance</u> | <u>0.2-Percent-<br/>Annual Chance</u> |
| <b>Kannah Creek</b>  |   |                                      |                                     |                                     |                                       |
| At Confluence with Indian Creek  | 133.22                                  | 649                                  | 2,651                               | 4,271                               | 9,102                                 |
| At Confluence with North Fork Kannah Creek                                 | 98.13                                   | 291                                  | 1,649                               | 2,843                               | 6,545                                 |
| 1.9 miles upstream of Divide Road  | 71.31                                   | 251                                  | 1,362                               | 2,329                               | 5,317                                 |
| At Upper Kannah Creek Road Bridge  | 57.52                                   | 190                                  | 1,007                               | 1,708                               | 3,879                                 |
| <b>Leach Creek</b>   |   |                                      |                                     |                                     |                                       |
| Downstream of River Road   | 21.99                                   | 639                                  | 1,243                               | 1,465                               | 2,408                                 |
| Upstream of Confluence with Ranchmen's Ditch                               | 15.4                                    | 596                                  | 1,176                               | 1,452                               | 2,388                                 |
| Upstream of F ½ Road   | 15.02                                   | 422                                  | 881                                 | 1,118                               | 1,343                                 |
| Approximately 40 feet downstream of 24 ¼ Road                              | 14.18                                   | 312                                  | 627                                 | 791                                 | 1,245                                 |
| Approximately 420 feet downstream of Summer Hill Way                       | 13.54                                   | 293                                  | 617                                 | 790                                 | 1,330                                 |
| Downstream of Government Highline Canal                                    | 12.21                                   | 84                                   | 172                                 | 220                                 | 756                                   |
| Little Salt Wash <sup>1</sup><br>At Denver and Rio Grande Western Railroad | 33                                      | 1,500                                | 3,170                               | 4,300                               | 8,100                                 |

REVISED DATA

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: March 6, 2017**

<sup>1</sup> Peak discharges shown were used in entire study reach

|  |      |     |     |     |       |  |
|--|------|-----|-----|-----|-------|--|
| North Leach Creek  |      |     |     |     |       |  |
| Approximately 230 feet upstream of G Road                          | 9.26 | 127 | 370 | 548 | 1,050 |  |
| Approximately 520 feet upstream of the confluence with Leach Creek | 9.26 | 127 | 370 | 526 | 656   |  |

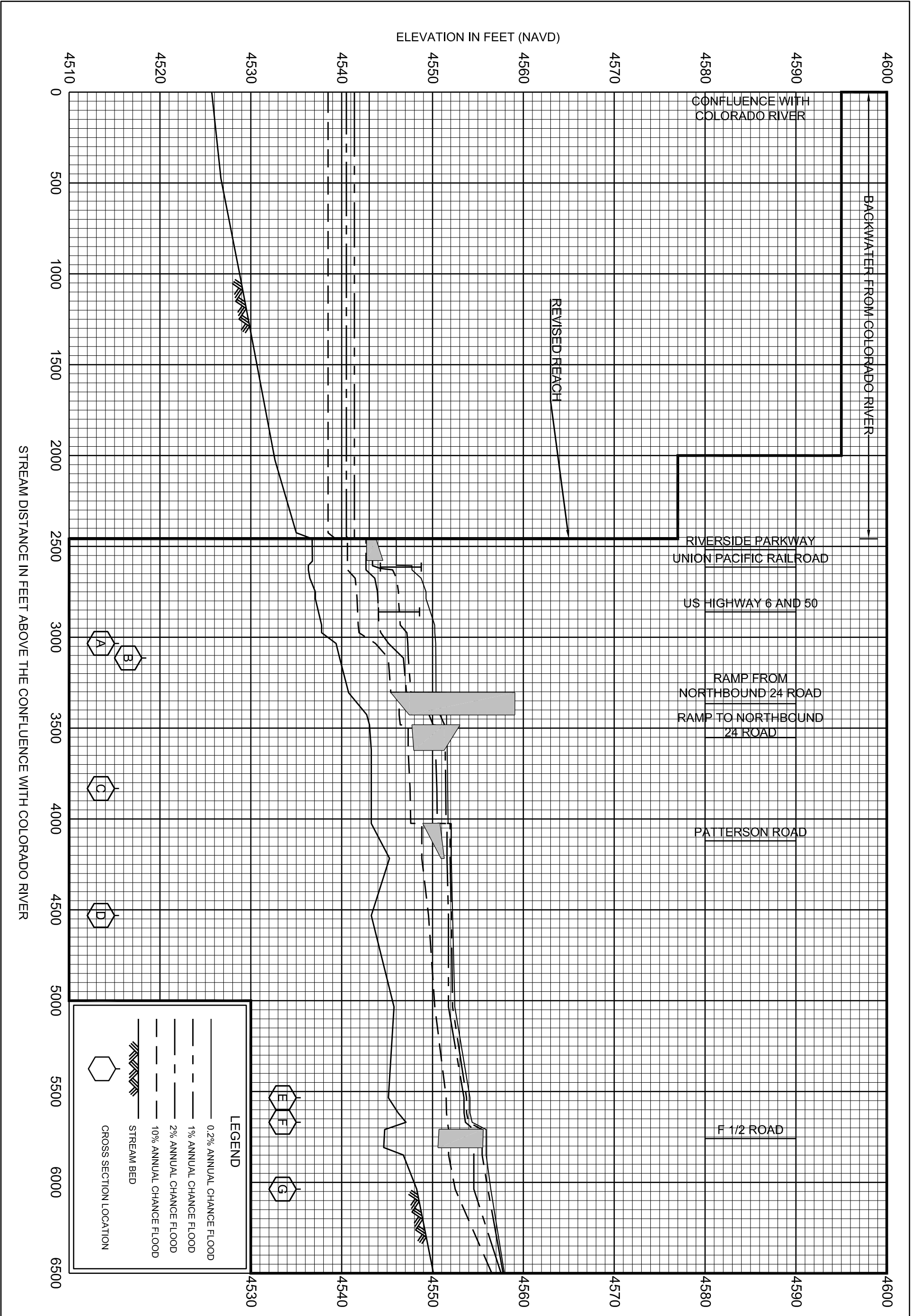
|   |       |       |       |       |       |  |
|---|-------|-------|-------|-------|-------|--|
| Plateau Creek                                       |       |       |       |       |       |  |
| At Confluence with Grove Creek                      | 316.6 | 2,880 | 4,000 | 4,850 | 6,900 |  |
| At Confluence with Buzzard Creek                    | 295.1 | 2,780 | 3,850 | 4,660 | 6,700 |  |
| At Eastern Corporate Limits of the Town of Collbran | 113.3 | 1,325 | 1,800 | 2,100 | 2,920 |  |
| Ranchmen's Ditch                                    |       |       |       |       |       |  |
| At 26 Road  | 4.22  | 305   | 489   | 603   | 1,245 |  |



REVISED DATA

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: March 6, 2017**

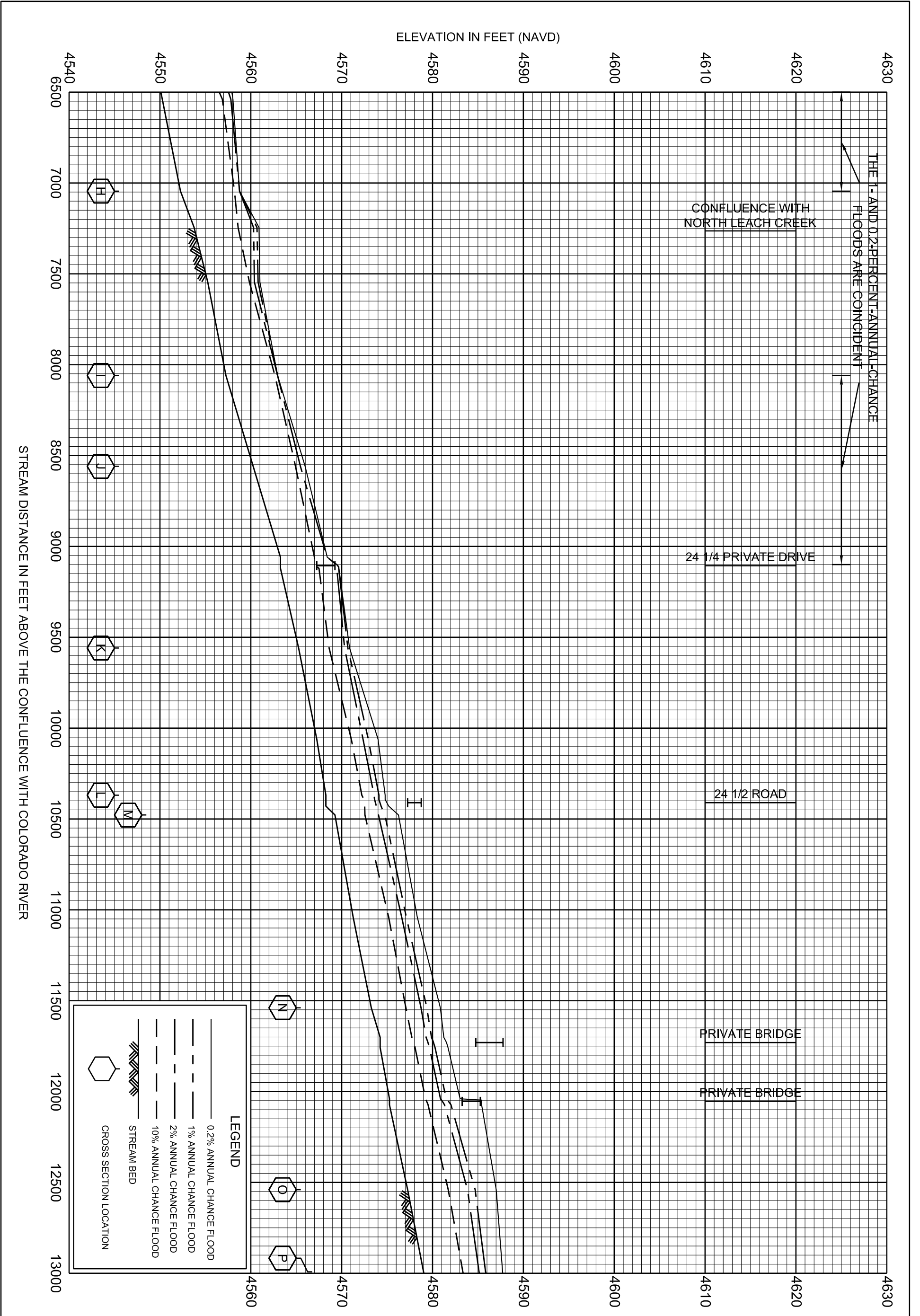




FEDERAL EMERGENCY MANAGEMENT AGENCY  
**MESA COUNTY, CO**  
 AND INCORPORATED AREAS

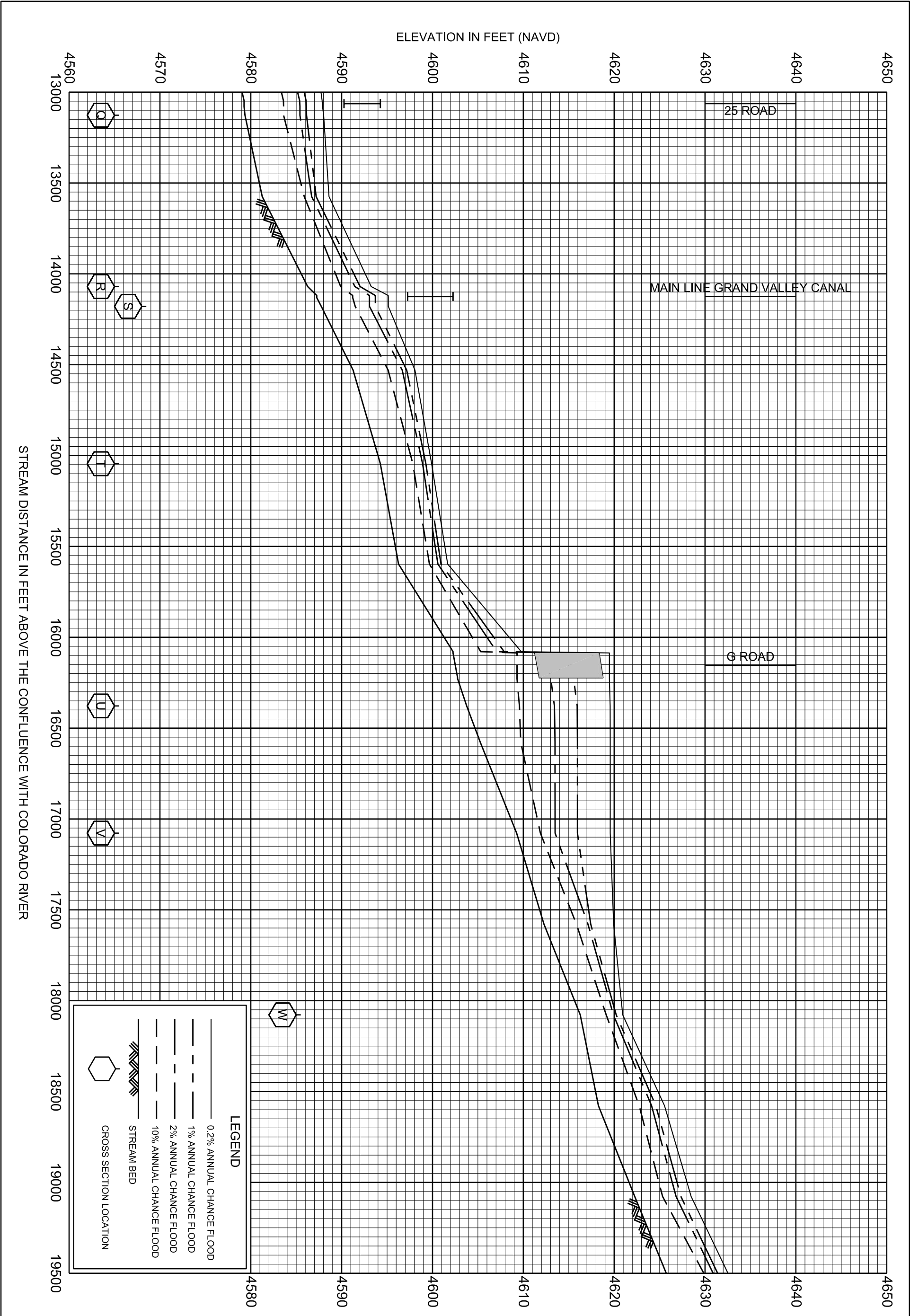
**FLOOD PROFILES**  
 REVISED TO  
 REFLECT LOMR  
 EFFECTIVE: March 6, 2017  
**LEACH CREEK**

54P



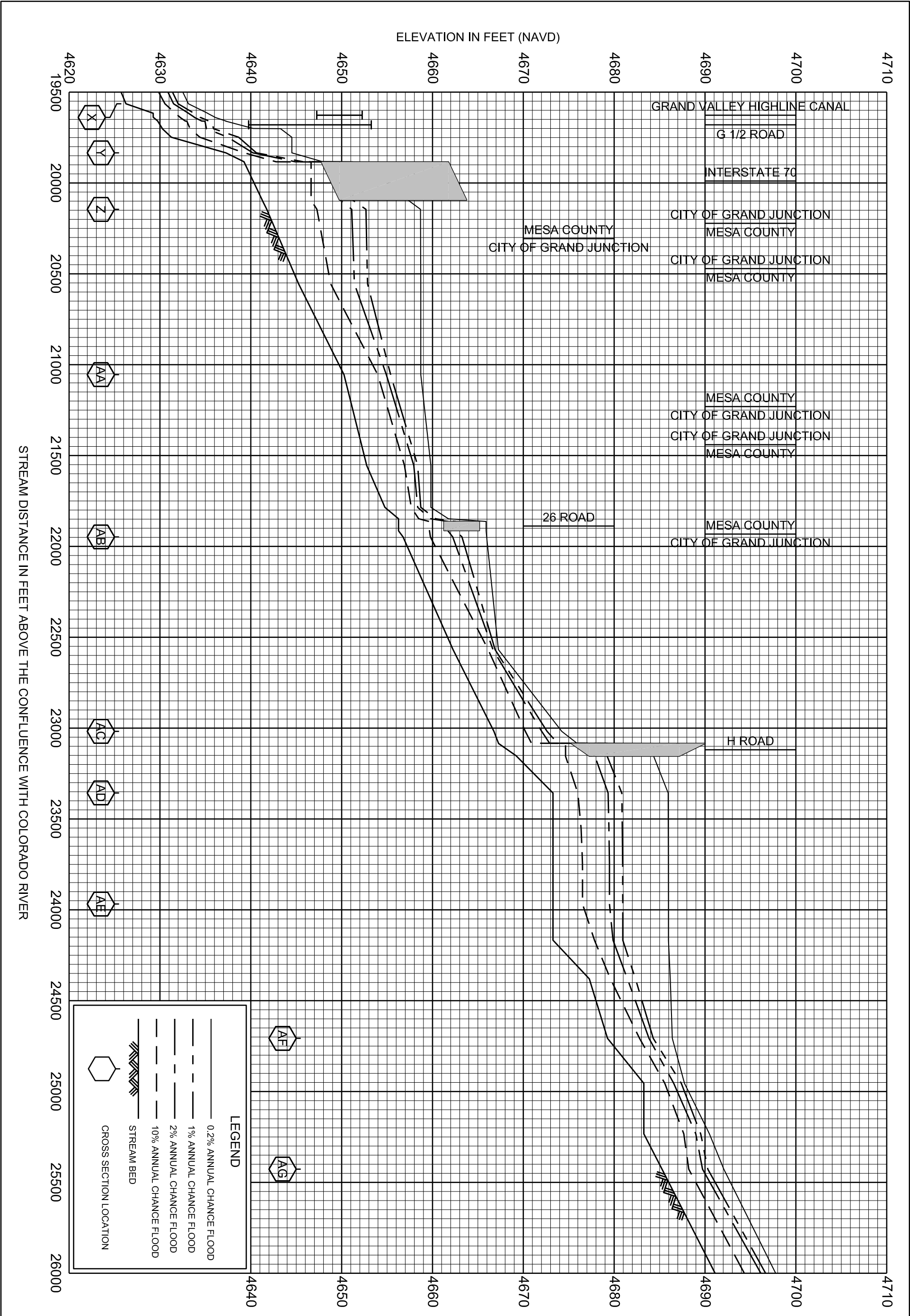
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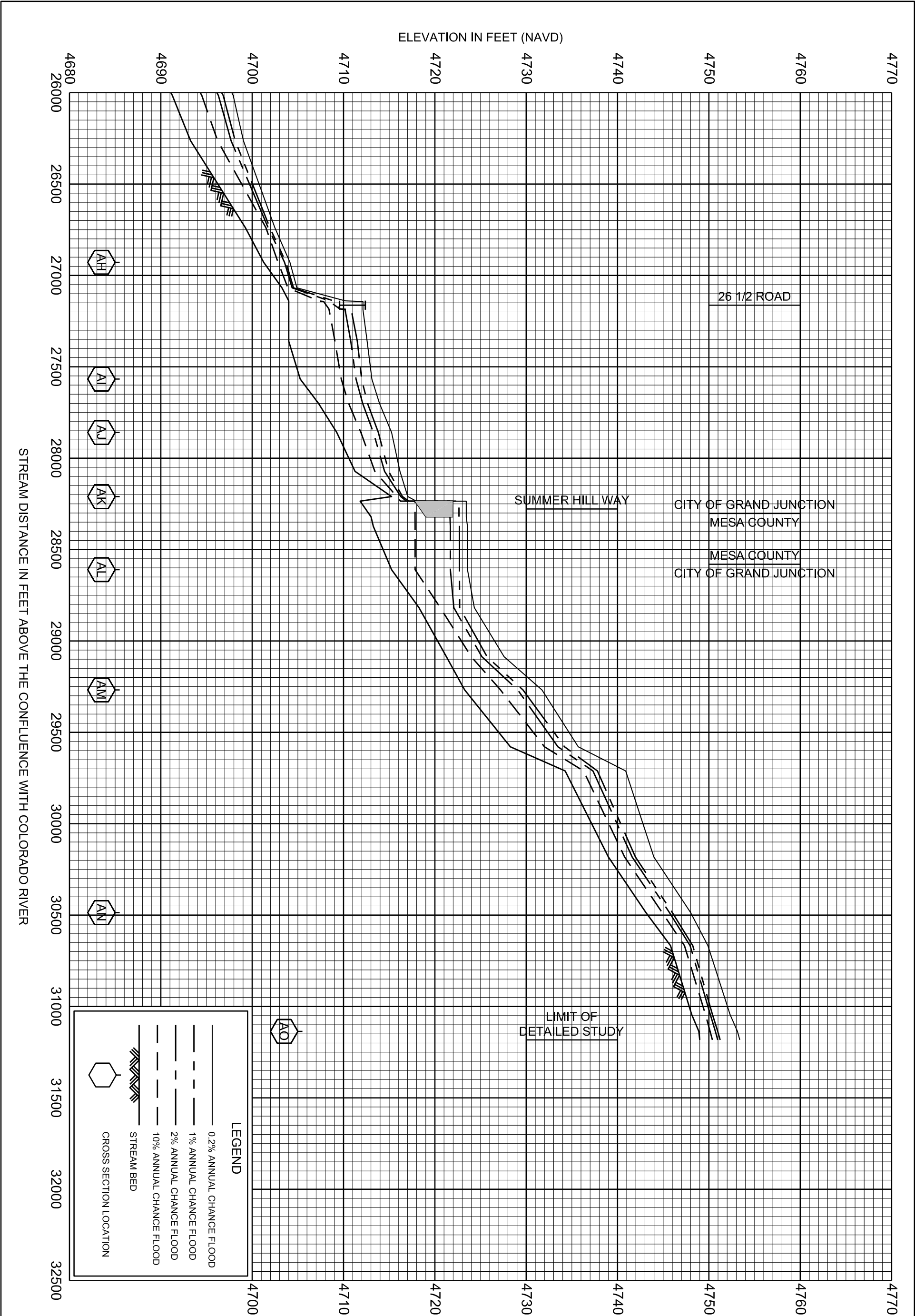
- 0.2% ANNUAL CHANGE FLOOD
- - - 1% ANNUAL CHANGE FLOOD
- · - 2% ANNUAL CHANGE FLOOD
- - - 10% ANNUAL CHANGE FLOOD
- ▨ STREAM BED
- ⬡ CROSS SECTION LOCATION

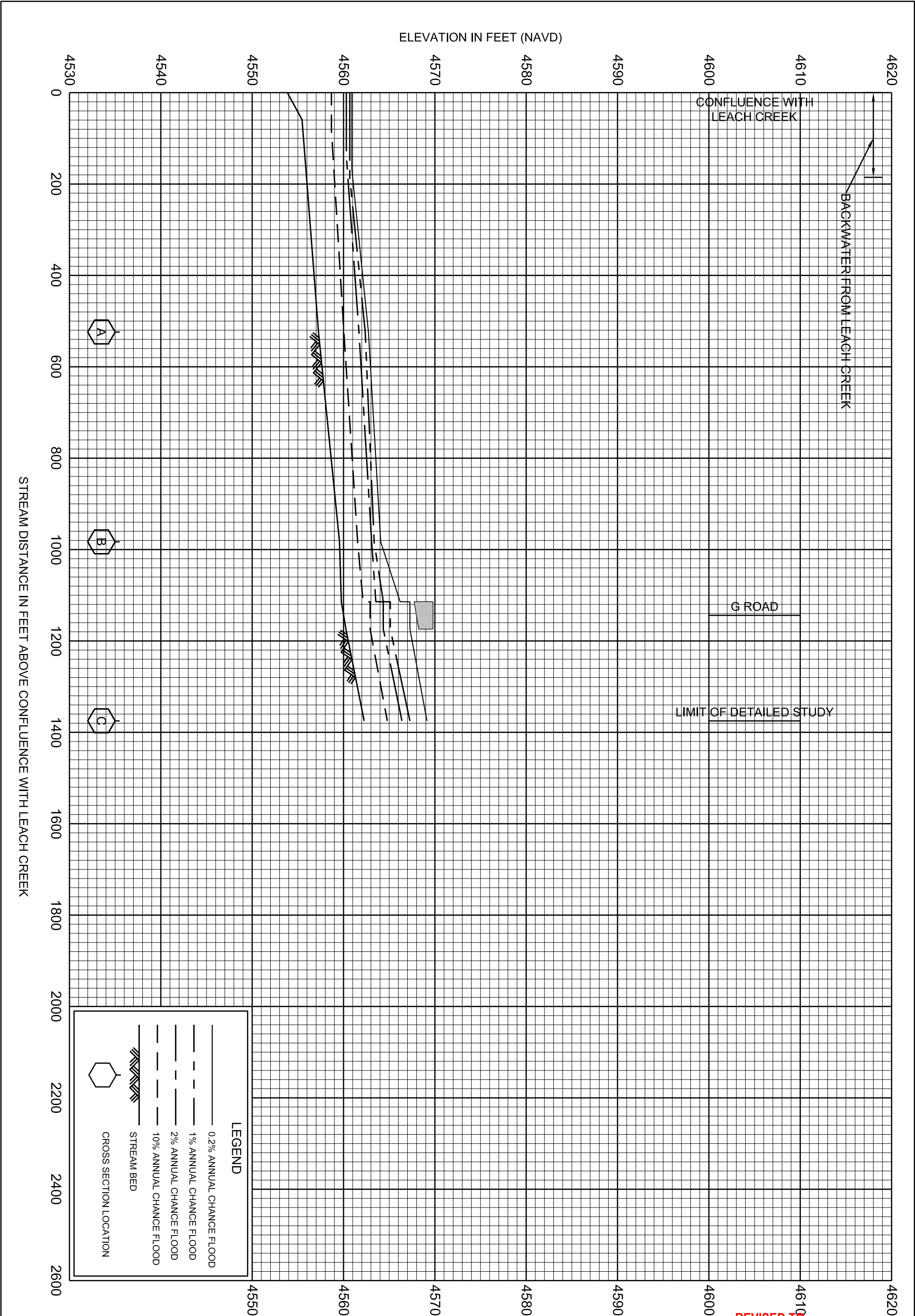


**LEGEND**

- 0.2% ANNUAL CHANCE FLOOD
- - - 1% ANNUAL CHANCE FLOOD
- - - 2% ANNUAL CHANCE FLOOD
- - - 10% ANNUAL CHANCE FLOOD
- ▨ STREAM BED
- CROSS SECTION LOCATION







REVISED TO  
REFLECT LOMR  
EFFECTIVE: March 6, 2017

FLOOD PROFILES  
NORTH LEACH CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
MESA COUNTY, CO  
AND INCORPORATED AREAS

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 1 NORTH, RANGE 1 WEST.



JOINS PANEL 0468

JOINS PANEL 0802







Profile Baseline

Leach Creek

ZONE AE

39° 07'30.0"

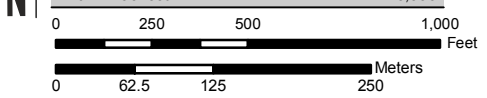
108° 33'45.0"

|                             |   |   |
|-----------------------------|---|---|
| SPECIAL FLOOD HAZARD AREAS  |  | Without Base Flood Elevation (BFE)<br><i>Zone A, V, A99</i>   |
|                             |  | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>  |
| OTHER AREAS OF FLOOD HAZARD |  | Regulatory Floodway   |
|                             |  | 0.2 % Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
|                             |  | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>   |
|                             |  | Area with Reduced Flood Risk due to Levee<br>See Notes <i>Zone X</i>  |

**SCALE**

Map Projection:  
Universal Transverse Mercator NAD 1983 UTM Zone 12N  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet      1:6,000



0 250 500 1,000 Feet

0 62.5 125 250 Meters

**FEDERAL EMERGENCY MANAGEMENT AGENCY**

**NATIONAL FLOOD INSURANCE PROGRAM**

**FLOOD INSURANCE RATE MAP**

**MESA COUNTY, COLORADO**  
and Incorporated Areas

PANEL 464 OF 1725




Panel Contains:

| COMMUNITY               | NUMBER | PANEL | SUFFIX |
|-------------------------|--------|-------|--------|
| MESA COUNTY             | 080115 | 0464  | G      |
| GRAND JUNCTION, CITY OF | 080117 | 0464  | G      |

**REVISED TO REFLECT LOMR EFFECTIVE: March 6, 2017**

VERSION NUMBER 1.1.1.0  
MAP NUMBER 08077C0464G  
MAP REVISED OCTOBER 16, 2012

JOINS PANEL 0464

Mesa County  
Unincorporated Areas  
080115

City of Grand  
Junction  
080117

43°34'00.0"N

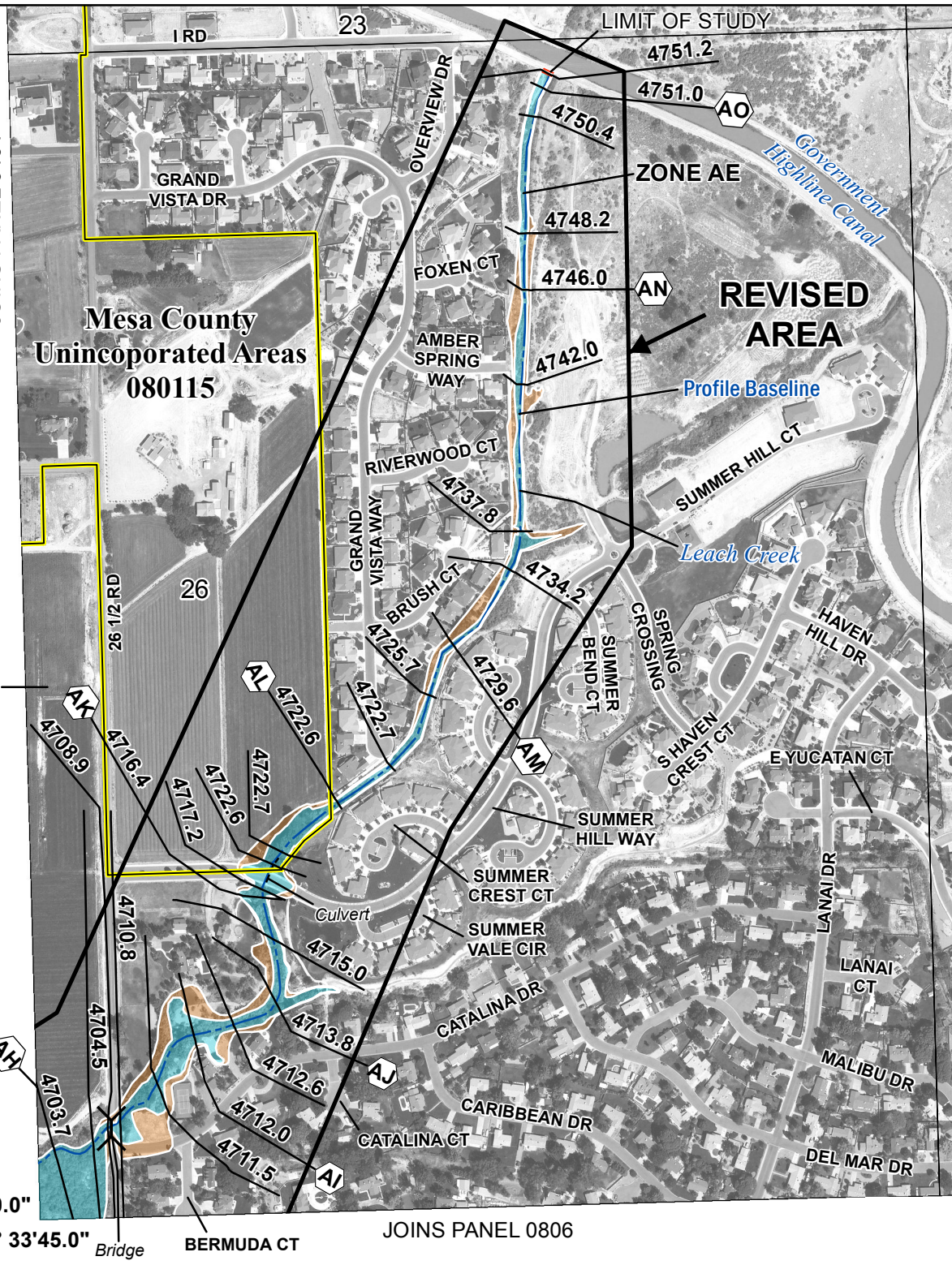
39° 07'30.0"

108° 33'45.0"

Bridge

BERMUDA CT

JOINS PANEL 0806



**SPECIAL FLOOD HAZARD AREAS**

- Without Base Flood Elevation (BFE)  
Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**

- 0.2 % Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee See Notes - Zone X

**SCALE**

Map Projection:  
Universal Transverse Mercator NAD 1983 UTM Zone 12N  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet

1:6,000

0 250 500 1,000 Feet

0 62.5 125 250 Meters

**FEMA**  
National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM**  
FLOOD INSURANCE RATE MAP

MESA COUNTY, COLORADO  
and Incorporated Areas

PANEL 468 of 1725

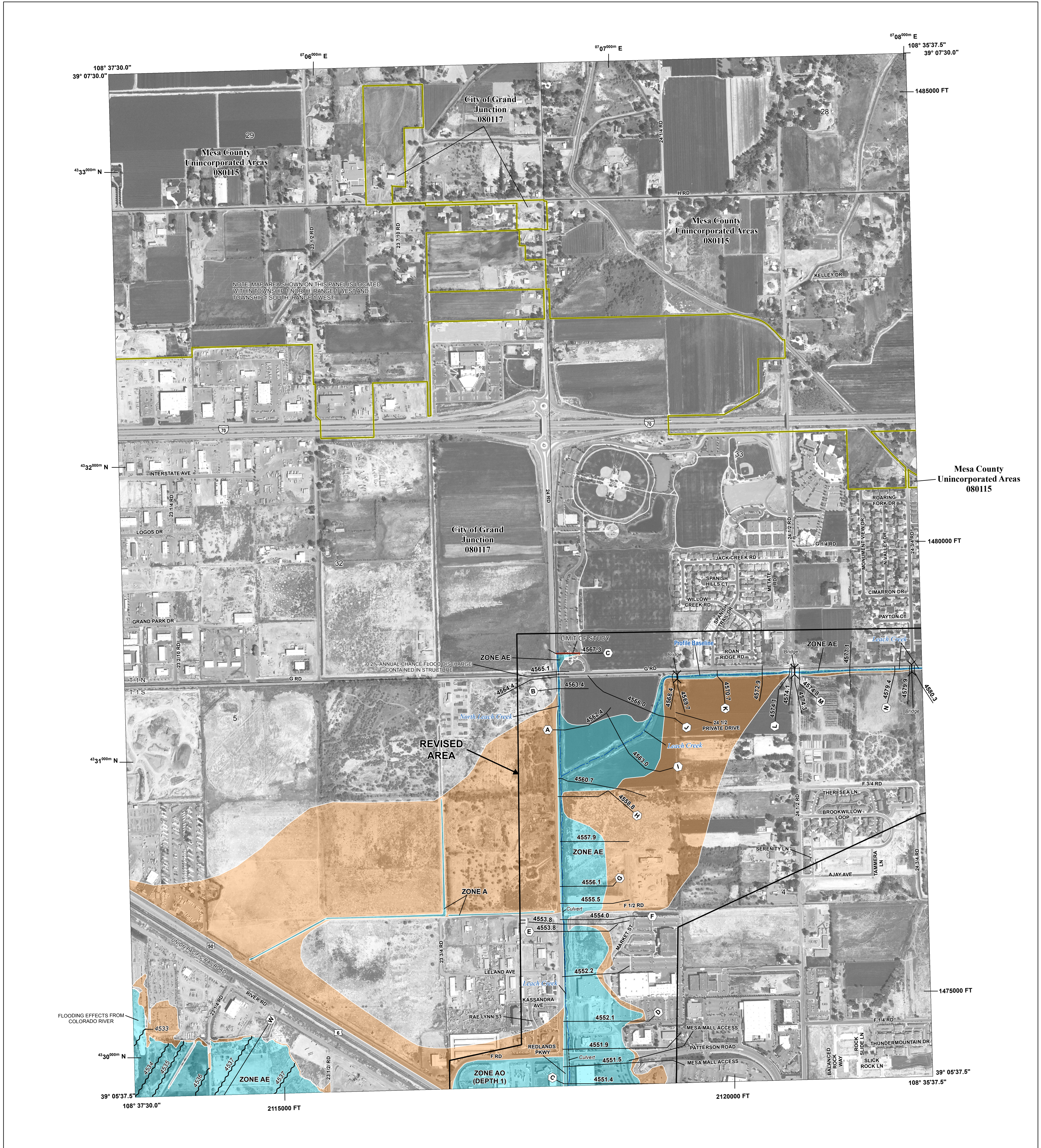
Panel Contains:

| COMMUNITY               | NUMBER | PANEL | SUFFIX |
|-------------------------|--------|-------|--------|
| MESA COUNTY             | 080115 | 0468  | G      |
| GRAND JUNCTION, CITY OF | 080117 | 0468  | G      |

**REVISED TO REFLECT LOMR EFFECTIVE: March 6, 2017**

VERSION NUMBER 1.1.1.0  
MAP NUMBER 08077C0468G  
MAP REVISED OCTOBER 16, 2012





**FLOOD HAZARD INFORMATION**

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT  
**THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTP://MSC.FEMA.GOV](http://MSC.FEMA.GOV)**

|                                    |   |
|------------------------------------|---|
| <b>SPECIAL FLOOD HAZARD AREAS</b>  | Without Base Flood Elevation (BFE) Zone A, V, A99   |
|                                    | With BFE or Depth Zone AE, AO, AH, VE, AR   |
|                                    | Regulatory Floodway   |
| <b>OTHER AREAS OF FLOOD HAZARD</b> | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |
|                                    | Future Conditions 1% Annual Chance Flood Hazard Zone X  |
|                                    | Area with Reduced Flood Risk due to Levee See Notes, Zone X   |
| <b>OTHER AREAS</b>                 | Areas of Minimal Flood Hazard Zone X  |
|                                    | Area of Undetermined Flood Hazard Zone D  |
| <b>GENERAL STRUCTURES</b>          | Channel, Culvert or Storm Sewer   |
|                                    | Accredited or Provisionally Accredited Levee, Dike, or Floodwall  |
|                                    | Non-accredited Levee, Dike or Floodwall   |
|                                    | Cross Sections with 1% Annual Chance Water Surface Elevations (BFE)   |
|                                    | Coastal Transect  |
|                                    | Coastal Transect Baseline   |
|                                    | Profile Baseline  |
|                                    | Hydrographic Feature  |
|                                    | Base Flood Elevation Line (BFE)   |
| <b>OTHER FEATURES</b>              | Limit of Study  |
|                                    | Jurisdiction Boundary   |

**NOTES TO USERS**

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service Center website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website or by calling the FEMA Map Information eXchange.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be ordered directly from the Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by the United States Geological Survey (USGS). This information was derived from digital orthophotography at a 2-foot resolution from photography dated 2010.

Local vertical monuments were used to create this map. To obtain current monument information, please contact the [community contact information, phone number] or visit the website at [website address].

**ACCREDITED LEVEE:** Check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection for areas on this panel. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at <http://www.fema.gov/business/nflp/index.shtm>.

**PROVISIONALLY ACCREDITED LEVEE:** Check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection for areas on this panel. To maintain accreditation, the levee owner or community is required to submit the data and documentation necessary to comply with Section 65.10 of the NFIP regulations by (\_\_\_\_). If the community or owner does not provide the necessary data and documentation or if the data and documentation provided indicate the levee system does not comply with Section 65.10 requirements, FEMA will revise the flood hazard and risk information for this area to reflect de-accreditation of the levee system. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at <http://www.fema.gov/business/nflp/index.shtm>.

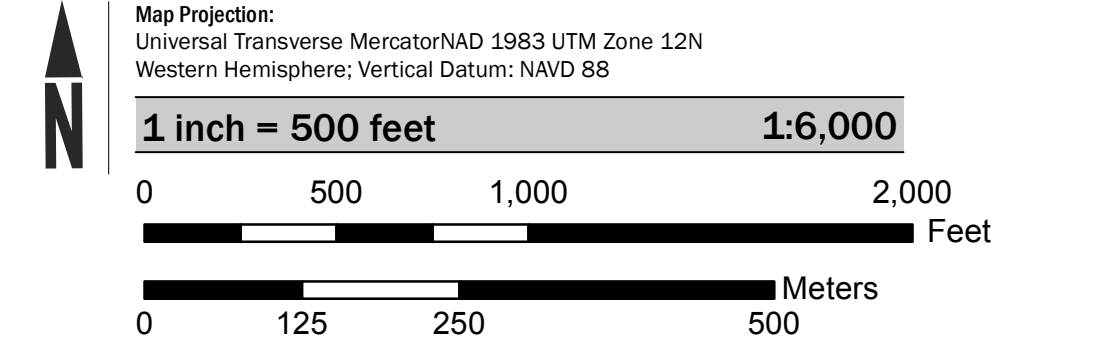
**LIMIT OF MODERATE WAVE ACTION:** Zone AE has been divided by a Limit of Moderate Wave Action (LIMWA). The LIMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between the VE Zone and the LIMWA (or between the shoreline and the LIMWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

Limit of Moderate Wave Action (LIMWA)

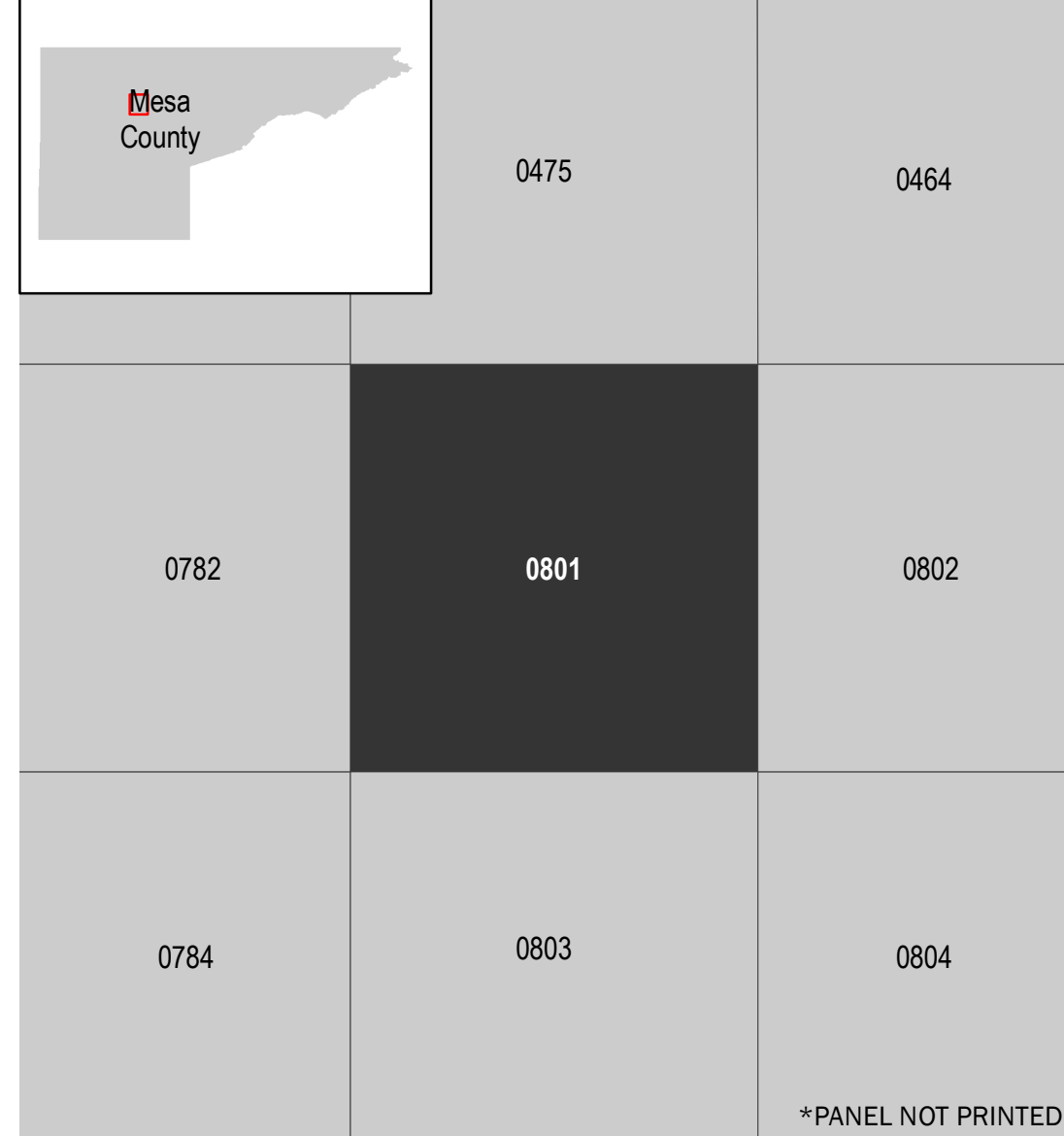
This map includes approximate boundaries of the CBRS for informational purposes only. Flood insurance is not available within CBRS areas for structures that are newly built or substantially improved on or after the date(s) indicated on the map. For more information see <http://www.fema.gov/cbrs>, the FIS Report, or call the U.S. Fish and Wildlife Service Customer Service Center at 1-800-344-WILD.

CBRS Area Otherwise Protected Area

**SCALE**



**PANEL LOCATOR**



**National Flood Insurance Program**

**NATIONAL FLOOD INSURANCE PROGRAM**  
**FLOOD INSURANCE RATE MAP**  
**MESA COUNTY, COLORADO**  
 AND INCORPORATED AREAS

PANEL 801 OF 1725

Panel Contains:

| COMMUNITY               | NUMBER | PANEL | SUFFIX |
|-------------------------|--------|-------|--------|
| MESA COUNTY             | 080115 | 0801  | G      |
| GRAND JUNCTION, CITY OF | 080117 | 0801  | G      |

**REVISED TO REFLECT LOMR EFFECTIVE: March 6, 2017**

FEDERAL EMERGENCY MANAGEMENT AGENCY

VERSION NUMBER **1.1.1.0**  
 MAP NUMBER **08077C0801G**  
 MAP REVISED  
**OCTOBER 16, 2012**

\*PANEL NOT PRINTED



**FLOOD HAZARD INFORMATION**

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT  
**THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTP://MSC.FEMA.GOV](http://MSC.FEMA.GOV)**

|                                    |  |   |
|------------------------------------|--|---|
| <b>SPECIAL FLOOD HAZARD AREAS</b>  |  | Without Base Flood Elevation (BFE)<br>Zone A, V, A99<br>With BFE or Depth Zone AE, AO, AH, VE, AR   |
|                                    |  | Regulatory Floodway   |
| <b>OTHER AREAS OF FLOOD HAZARD</b> |  | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X |
|                                    |  | Future Conditions 1% Annual Chance Flood Hazard Zone X  |
|                                    |  | Area with Reduced Flood Risk due to Levee See Notes. Zone X   |
| <b>OTHER AREAS</b>                 |  | NO SCREEN Areas of Minimal Flood Hazard Zone X  |
|                                    |  | Area of Undetermined Flood Hazard Zone D  |
| <b>GENERAL STRUCTURES</b>          |  | Channel, Culvert or Storm Sewer   |
|                                    |  | Accredited or Provisionally Accredited Levee, Dike, or Floodwall  |
|                                    |  | Non-accredited Levee, Dike or Floodwall   |
|                                    |  | 18.2<br>17.5<br>Cross Sections with 1% Annual Chance Water Surface Elevations (BFE)   |
|                                    |  | Coastal Transect  |
|                                    |  | Coastal Transect Baseline   |
|                                    |  | Profile Baseline  |
|                                    |  | Hydrographic Feature  |
| <b>OTHER FEATURES</b>              |  | Base Flood Elevation Line (BFE)   |
|                                    |  | Limit of Study  |
|                                    |  | Jurisdiction Boundary   |

**NOTES TO USERS**

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service Center website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website or by calling the FEMA Map Information eXchange.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by the United States Geological Survey (USGS). This information was derived from digital orthophotography at a 2-foot resolution from photography dated 2010.

Local vertical monuments were used to create this map. To obtain current monument information, please contact the [community contact information, phone number] or visit the website at [website address].

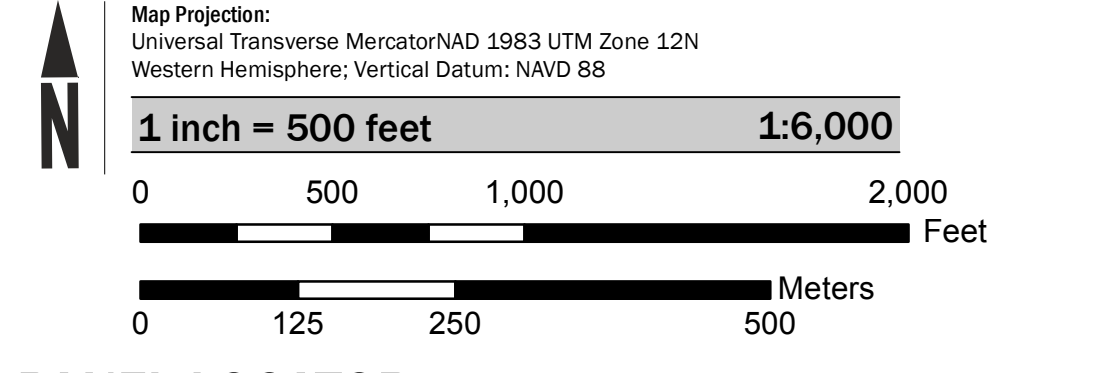
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PROVISIONALLY ACCREDITED LEVEE: Check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection for areas on this panel. To maintain accreditation, the levee owner or community is required to submit the data and documentation necessary to comply with Section 65.10 of the NFIP regulations by (\_\_\_\_). If the community or owner does not provide the necessary data and documentation or if the data and documentation provided indicate the levee system does not comply with Section 65.10 requirements, FEMA will revise the flood hazard and risk information for this area to reflect de-accreditation of the levee system. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at <http://www.fema.gov/business/nflp/index.shtm>.

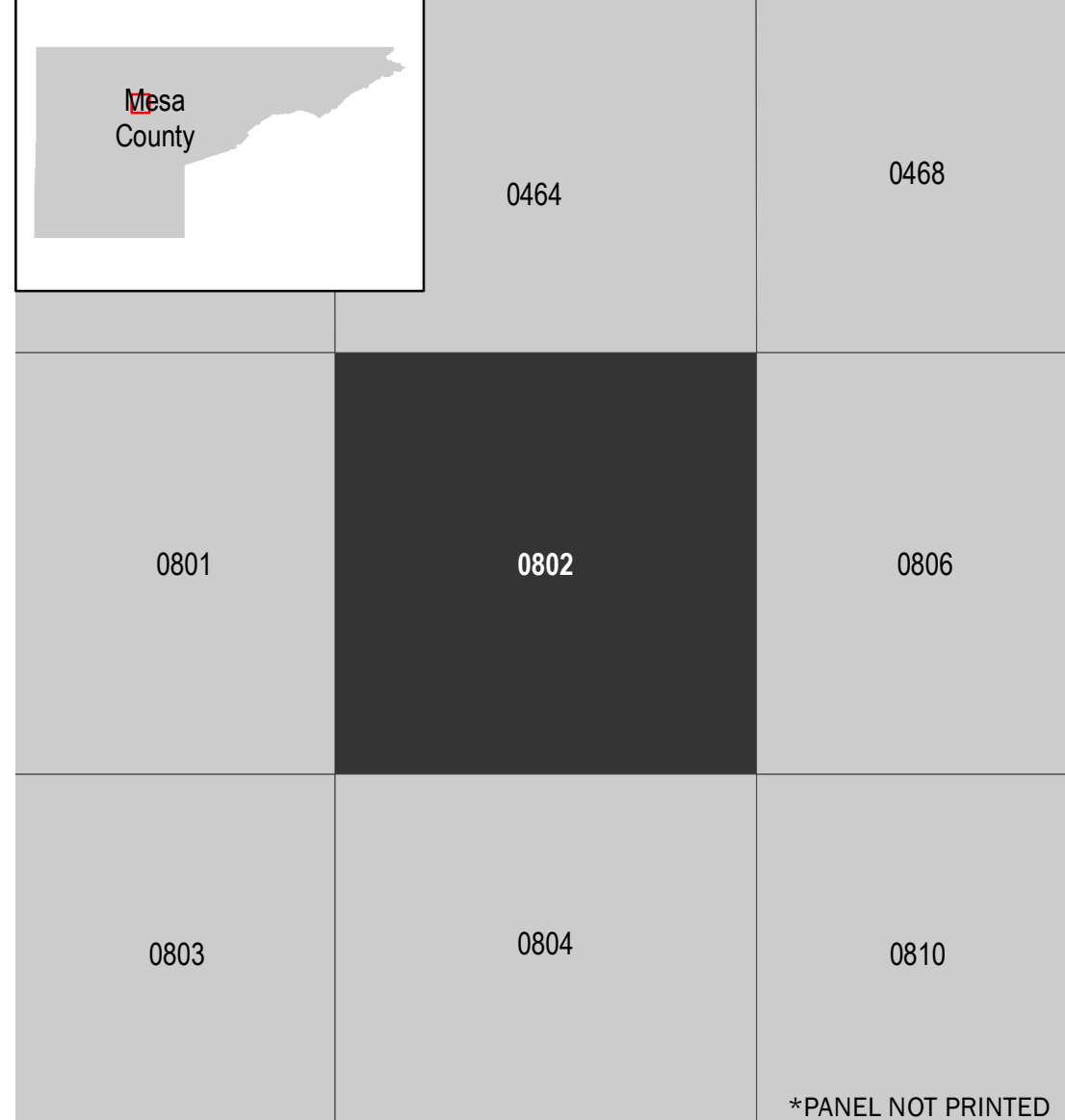
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|  |           |  |                          |
|--|-----------|--|--------------------------|
|  | CBRS Area |  | Otherwise Protected Area |
|--|-----------|--|--------------------------|

**SCALE**



**PANEL LOCATOR**



**FEMA**

**National Flood Insurance Program**

**NATIONAL FLOOD INSURANCE PROGRAM**

FLOOD INSURANCE RATE MAP

MESA COUNTY, COLORADO

AND INCORPORATED AREAS

PANEL 802 of 1725

Panel Contains:

| COMMUNITY               | NUMBER | PANEL | SUFFIX |
|-------------------------|--------|-------|--------|
| MESA COUNTY             | 080115 | 0802  | G      |
| GRAND JUNCTION, CITY OF | 080117 | 0802  | G      |

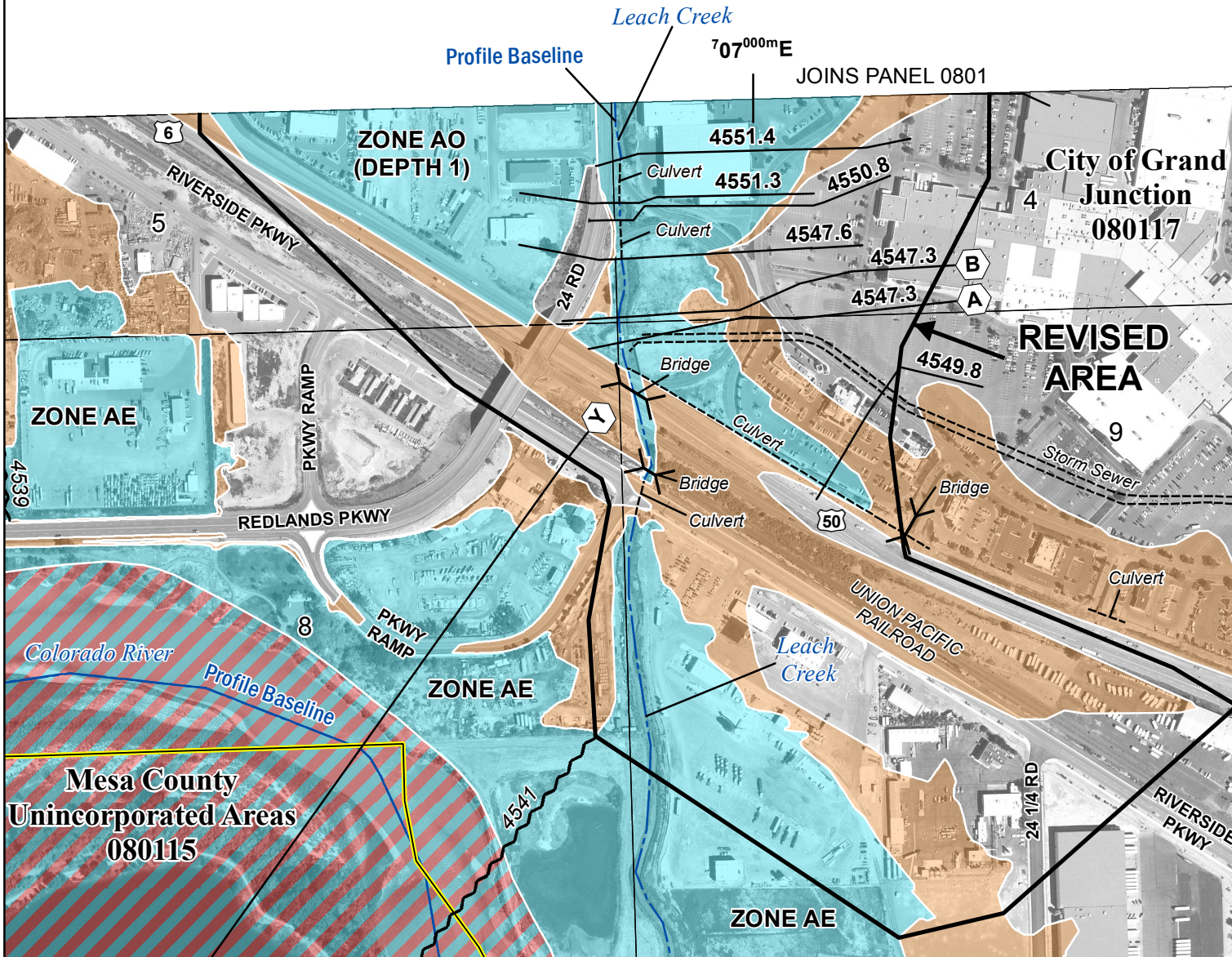
**REVISED TO REFLECT LOMR EFFECTIVE: March 6, 2017**

VERSION NUMBER  
**1.1.1.0**

MAP NUMBER  
**0807C0802G**

MAP REVISED  
**OCTOBER 16, 2012**

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 1 SOUTH, RANGE 1 WEST.



**SPECIAL FLOOD HAZARD AREAS**

- Without Base Flood Elevation (BFE)  
*Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**

- 0.2 % Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee  
See Notes - *Zone X*

**SCALE**

Map Projection:  
Universal Transverse MercatorNAD 1983 UTM Zone 12N  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet      1:6,000

0 250 500 1,000 Feet

0 62.5 125 250 Meters

**FEDERAL EMERGENCY MANAGEMENT AGENCY**

**National Flood Insurance Program**

**NATIONAL FLOOD INSURANCE PROGRAM**  
FLOOD INSURANCE RATE MAP

MESA COUNTY, COLORADO  
and Incorporated Areas

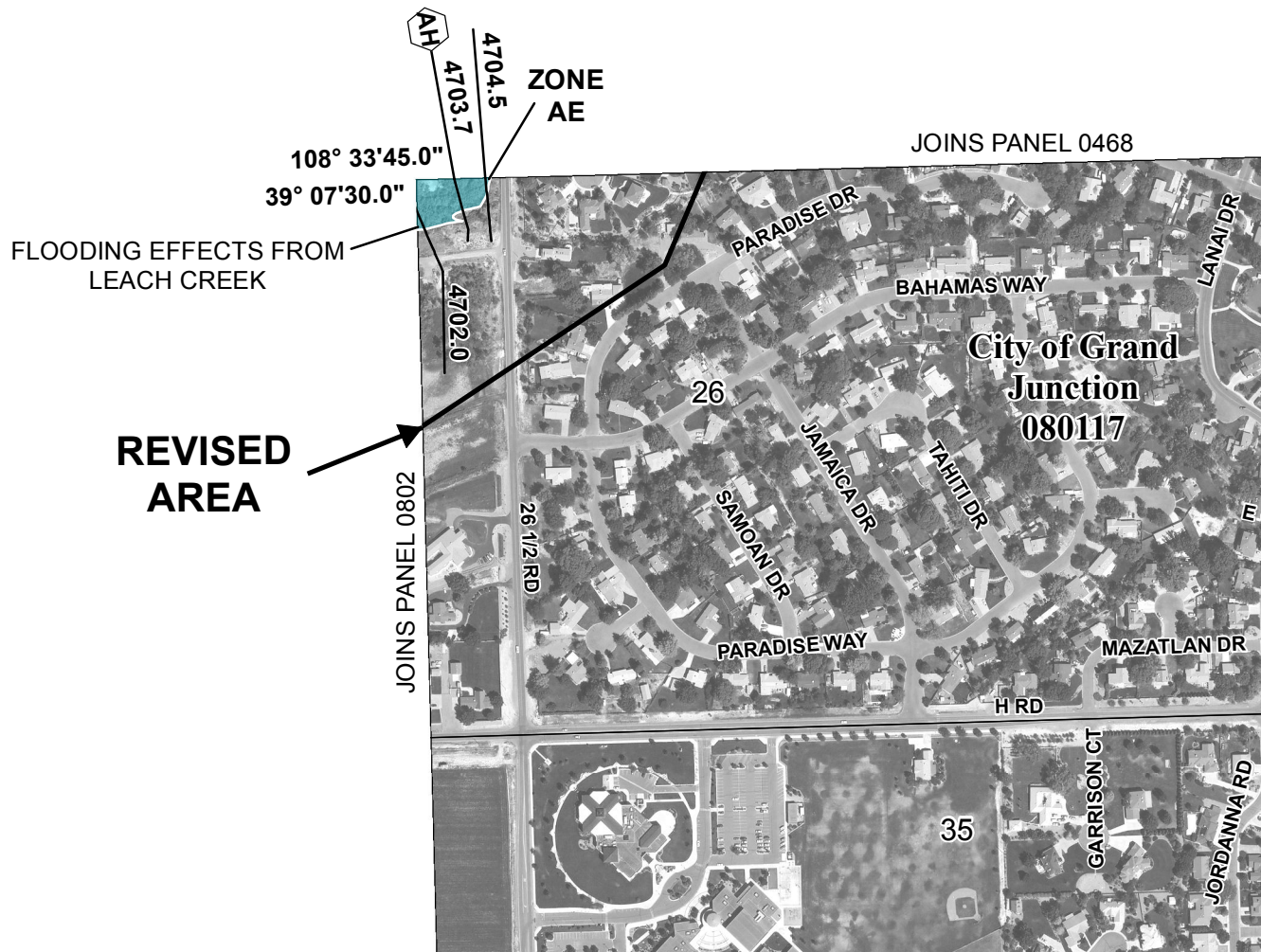
PANEL 803 OF 1725

Panel Contains:

| COMMUNITY               | NUMBER | PANEL | SUFFIX |
|-------------------------|--------|-------|--------|
| MESA COUNTY             | 080115 | 0803  | G      |
| GRAND JUNCTION, CITY OF | 080117 | 0803  | G      |

**REVISED TO REFLECT LOMR EFFECTIVE: March 6, 2017**

VERSION NUMBER 1.1.1.0  
MAP NUMBER 08077C0803G  
MAP REVISED OCTOBER 16, 2012



**SPECIAL FLOOD HAZARD AREAS**

- Without Base Flood Elevation (BFE)  
*Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**

- 0.2 % Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee  
See Notes *Zone X*

**SCALE**

Map Projection:  
Universal Transverse Mercator NAD 1983 UTM Zone 12N  
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet      1:6,000

0 250 500 1,000 Feet

0 62.5 125 250 Meters

**FEMA**  
National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM**  
FLOOD INSURANCE RATE MAP

MESA COUNTY, COLORADO  
and Incorporated Areas

PANEL 806 OF 1725

Panel Contains:

| COMMUNITY               | NUMBER | PANEL | SUFFIX |
|-------------------------|--------|-------|--------|
| GRAND JUNCTION, CITY OF | 080117 | 0806  | G      |

**REVISED TO REFLECT LOMR EFFECTIVE: March 6, 2017**

VERSION NUMBER 1.1.1.0  
MAP NUMBER 08077C0806G  
MAP REVISED OCTOBER 16, 2012