



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 North Platte Lincoln County Nebraska | NO PROJECT | FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA |
| | COMMUNITY NO.: 310143 | | |
| IDENTIFIER | NPPD Weir and Triple Barrel Siphon | APPROXIMATE LATITUDE & LONGITUDE: 41.097, -100.760 SOURCE: USGS QUADRANGLE DATUM: NAD 83 | |
| ANNOTATED MAPPING ENCLOSURES | | ANNOTATED STUDY ENCLOSURES | |
| TYPE: FIRM* | NO.: 31111C0860C DATE: January 2, 2009 | DATE OF EFFECTIVE FLOOD INSURANCE STUDY: January 02, 2009 | |
| TYPE: FIRM | NO.: 31111C0880C DATE: January 2, 2009 | PROFILES: 01P AND 02P FLOODWAY DATA TABLE: 2 SUMMARY OF DISCHARGES TABLE: 1 | |

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCE & REVISED REACH

Fremont Slough - From approximately 7,020 feet downstream of the N.P.P.D. Canal to approximately 2,020 feet upstream of Echo Drive

SUMMARY OF REVISIONS

| Flooding Source | Effective Flooding | Revised Flooding | Increases | Decreases |
|-----------------|--------------------|------------------|-----------|-----------|
| Fremont Slough | Zone AE | Zone AE | YES | YES |
| | Zone X (shaded) | Zone X (shaded) | YES | YES |
| | BFEs* | BFEs | YES | YES |
| | Floodway | Floodway | 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. Sacbibit, P.E., Branch Chief
Engineering Services Branch
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.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

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 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. Sacbibit".

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

Mr. Michael R. Scott
Director, Mitigation Division
Federal Emergency Management Agency, Region VII
9221 Ward Parkway, Suite 300
Kansas City, MO 64114-3372
(816) 283-7002

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 panels 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>.

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

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

LOCAL NEWSPAPER

Name: *North Platte Telegraph*

Dates: June 21, 2016 and June 28, 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>.

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

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

Flood elevations shown on the FIRM are primarily intended for flood insurance rating purposes. For construction and/or floodplain management purposes, users are cautioned to use the flood elevation data presented in this FIS in conjunction with the data shown on the FIRM.

Cross section data for the area within the North Platte zoning limits were determined by ground survey in 1972. Additional cross section data utilized to determine the South Platte River channel capacities upstream from North Platte were determined by aerial photogrammetric methods in 1976 (Reference 8).

Locations of selected cross sections used in the hydraulic analyses are shown on the Flood Profiles (Exhibit 1). For stream segments for which a floodway was computed (Section 4.2), selected cross-section locations are also shown on the FIRM.

Summary of Discharges (Table 1)

Peak Discharges (cubic feet per second)

| <u>Flooding Source and Location</u> | <u>Drainage Area (square miles)</u> | <u>10-Percent-Annual-Chance</u> | <u>2-Percent-Annual-Chance</u> | <u>1-Percent-Annual-Chance</u> | <u>0.2-Percent-Annual-Chance</u> |
|---|-------------------------------------|---------------------------------|--------------------------------|--------------------------------|----------------------------------|
| FREMONT SLOUGH | | | | | |
| Approximately 3.5 miles upstream of U.S. Hwy. 83 | 21.5 | 10 | 80 | 180 | 310 |
| Approximately 2.1 miles upstream of U.S. Hwy. 83 | 25.5 | 20 | 160 | 370 | 630 |
| Approximately 0.9 miles upstream of U.S. Hwy. 83 | 31.8 | 30 | 250 | 570 | 990 |
| U.S. Highway 83 | 36.0 | 40 | 330 | 760 | 1,310 |
| Just upstream of Sutherland Canal | 36.6 | 20 | 110 | 210 | 280 |
| Approximately 2.4 miles upstream of Interstate 80 | 37.6 | 120 | 390 | 610 | 770 |
| Approximately 1.2 miles upstream of Interstate 80 | 42.2 | 340 | 920 | 1,330 | 1,680 |
| NORTH PLATTE RIVER | | | | | |
| North Platte (USGS Stream Gauging Station No. 06693000) | 34,900 | 4,900 | 7,980 | 9,690 | 14,900 |
| SOUTH PLATTE RIVER | | | | | |
| North Platte (USGS Stream Gauging Station No. 06765500) | 24,300 | 12,500 | 36,400 | 53,800 | 120,000 |
| WHITEHORSE CREEK* | | | | | |
| 7.5 miles upstream from U.S. Highway 30 | 3.0 | 30 | 120 | 190 | 500 |
| 6.5 miles upstream from U.S. Highway 30 | 3.2 | 30 | 100 | 180 | 460 |
| 6.5 miles upstream from U.S. Highway 30 | 11.3 | 50 | 240 | 400 | 980 |
| 6.1 miles upstream from U.S. Highway 30 | 12.2 | 50 | 240 | 400 | 980 |
| U.S. Highway 83 | 12.5 | 55 | 250 | 415 | 1,025 |
| 4.8 miles upstream from U.S. Highway 30 | 15.1 | 70 | 270 | 450 | 1,130 |
| 3.6 miles upstream from U.S. Highway 30 | 17.4 | 80 | 280 | 460 | 1,190 |
| 2.6 miles upstream from U.S. Highway 30 | 18.0 | 80 | 280 | 460 | 1,180 |
| 1.5 miles upstream from U.S. Highway 30 | 20.4 | 80 | 290 | 480 | 1,240 |

REVISIED DATA

* Contributing Drainage Area only

**REVISED TO REFLECT
LOMR EFFECTIVE:
OCTOBER 26, 2016**

| FLOODING SOURCE | | FLOODWAY | | | 1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION | | | |
|--------------------|-----------------------|-----------------|-------------------------------------|--|--|------------------------------------|---------------------------------|--------------------|
| CROSS SECTION | DISTANCE ¹ | WIDTH (FEET) | SECTION AREA (SQUARE FEET) | MEAN VELOCITY (FEET PER SECOND) | REGULATORY (FEET NAVD) | WITHOUT FLOODWAY (FEET NAVD) | WITH FLOODWAY (FEET NAVD) | INCREASE (FEET) |
| Fremont Slough | | | | | | | | |
| A | 9273 | 500 | 1515 | 0.9 | 2783.7 | 2783.7 | 2784.0 | 0.3 |
| B | 12018 | 93 | 376 | 3.5 | 2786.1 | 2786.1 | 2786.2 | 0.1 |
| C | 24043 | 54 | 238 | 3.2 | 2800.9 | 2800.9 | 2801.2 | 0.3 |
| D | 27292 | 76 | 286 | 2.7 | 2805.4 | 2805.4 | 2805.5 | 0.1 |
| E | 29773 | 178 | 518 | 1.6 | 2808.8 | 2808.8 | 2809.3 | 0.5 |
| F | 41473 | 188 | 168 | 2.2 | 2826.5 | 2826.5 | 2826.6 | 0.1 |
| North Platte River | | | | | | | | |
| A | 9155 | 2352 | 1869 | 5.2 | 2783.7 | 2778.6 ² | 2778.6 | 0.0 |
| B | 18002 | 2658 | 10190 | 1.0 | 2790.6 | 2790.6 | 2790.7 | 0.1 |
| C | 21060 | 2370 | 4608 | 2.1 | 2793.4 | 2793.4 | 2793.5 | 0.1 |
| D | 25619 | 1126 | 2932 | 3.3 | 2797.9 | 2797.9 | 2797.9 | 0.0 |
| E | 29480 | 2595 | 7850 | 1.2 | 2803.6 | 2803.6 | 2803.6 | 0.0 |
| F | 33233 | 3270 | 1867 | 5.2 | 2805.9 | 2805.9 | 2805.9 | 0.0 |
| G | 39228 | 2381 | 3230 | 3.0 | 2814.1 | 2814.0 | 2814.1 | 0.0 |

¹ Feet above mouth

² Elevations without considering backwater effect from the South Platte River

REVISED DATA

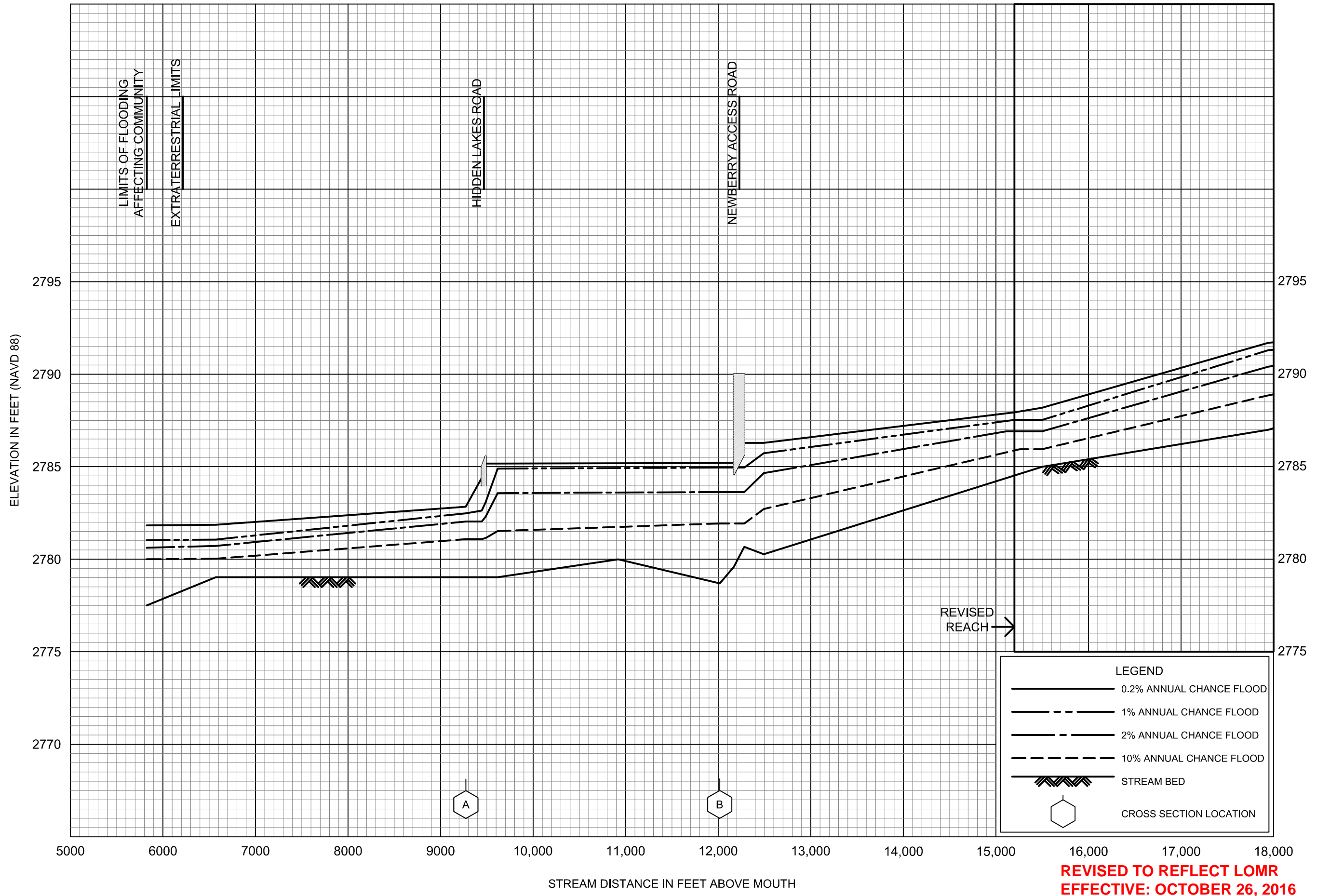
REVISED TO REFLECT LOMR
EFFECTIVE: OCTOBER 26, 2016

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY
LINCOLN COUNTY, NE
AND INCORPORATED AREAS

FLOODWAY DATA

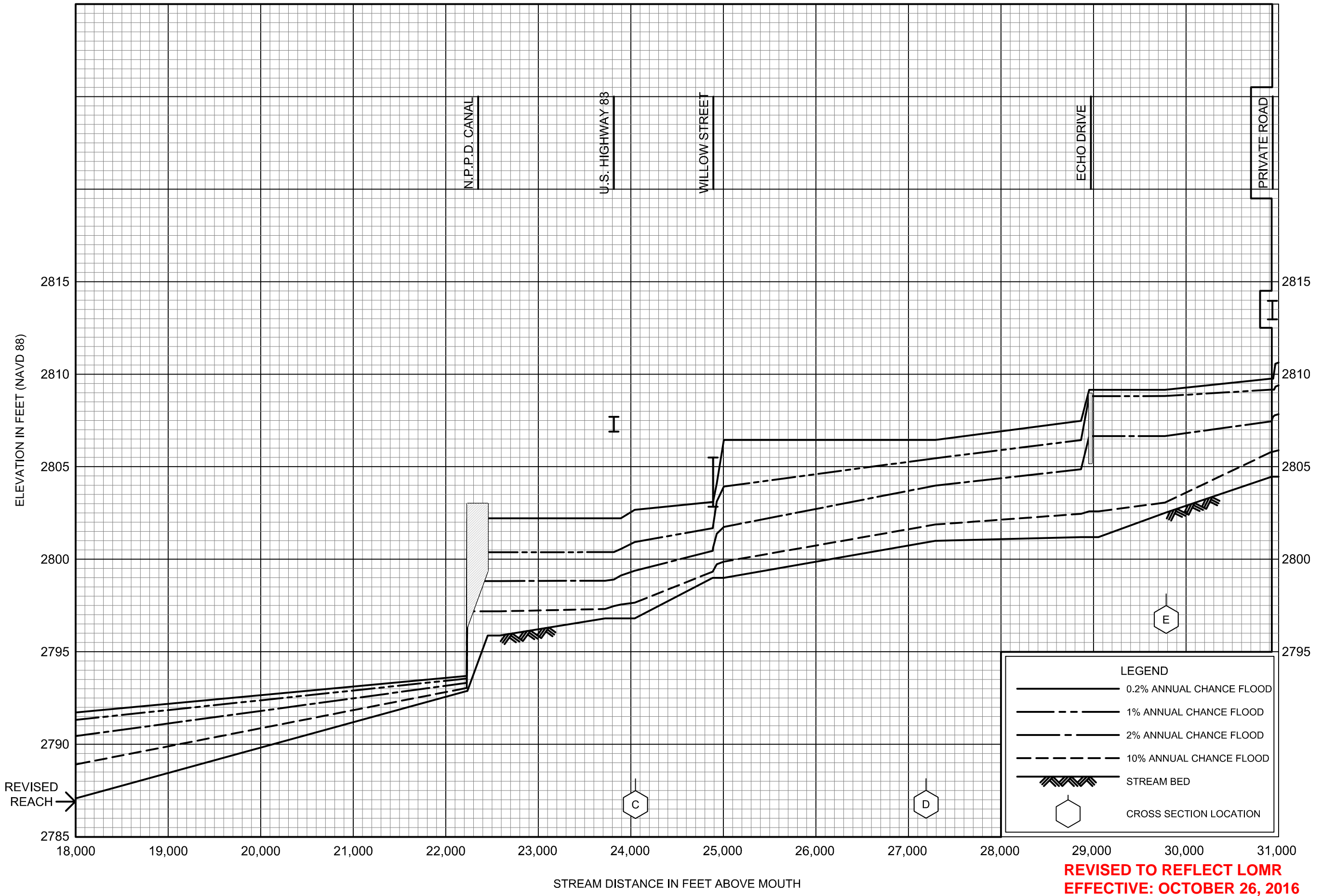
FREMONT SLOUGH - NORTH PLATTE RIVER



**REVISED TO REFLECT LOMR
EFFECTIVE: OCTOBER 26, 2016**

FLOOD PROFILES
FREMONT SLOUGH

FEDERAL EMERGENCY MANAGEMENT AGENCY
LINCOLN COUNTY, NEBRASKA
AND INCORPORATED AREAS



**REVISED TO REFLECT LOMR
EFFECTIVE: OCTOBER 26, 2016**

**FLOOD PROFILES
FREMONT SLOUGH**

FEDERAL EMERGENCY MANAGEMENT AGENCY
LINCOLN COUNTY, NEBRASKA
AND INCORPORATED AREAS

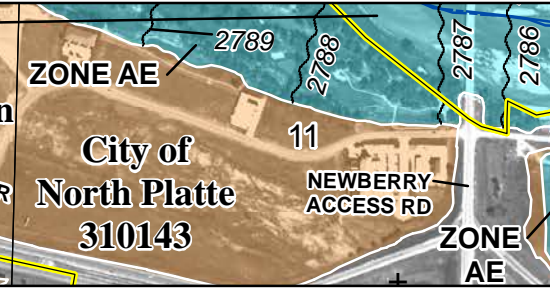
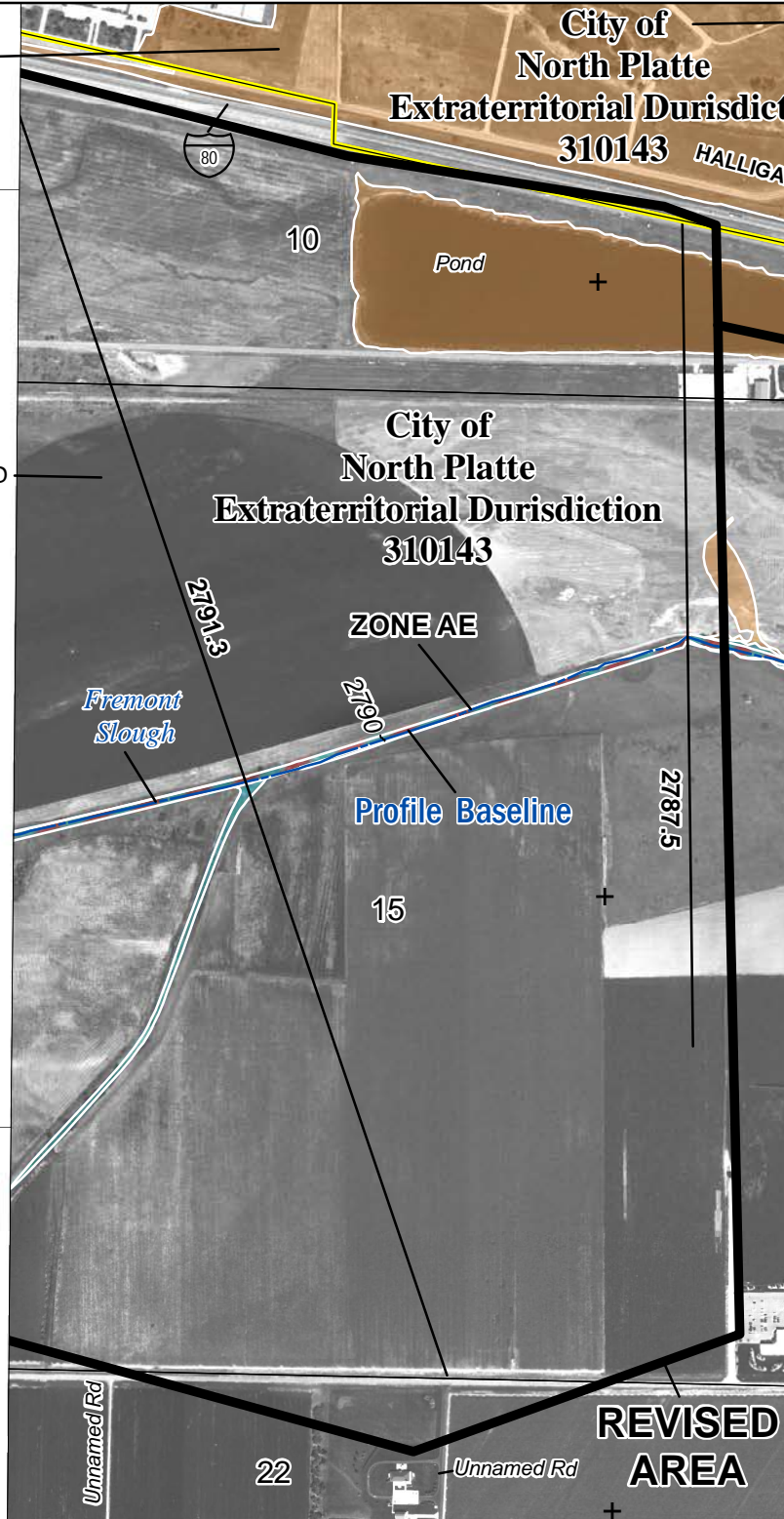
AREA REVISED BY LOMR DATED
JUNE 15, 2009

465000 FT

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED
WITHIN TOWNSHIP 13 NORTH, RANGE 29 WEST AND
TOWNSHIP 13 NORTH, RANGE 30 WEST.

JOINS PANEL 0860

460000 FT

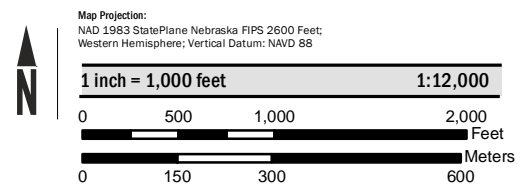


SPECIAL FLOOD HAZARD AREAS

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

OTHER AREAS OF FLOOD HAZARD

SCALE



FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

LINCOLN COUNTY, NEBRASKA
AND INCORPORATED AREAS

PANEL **880** OF **1675**

Panel Contains:

| COMMUNITY | NUMBER | PANEL | SUFFIX |
|---------------------------|--------|-------|--------|
| LINCOLN COUNTY | 310452 | 0880 | C |
| NORTH PLATTE, CITY OF | 310143 | 0880 | C |
| NORTH PLATTE ETJ, CITY OF | 310143 | 0880 | C |

REVISED TO REFLECT LOMR EFFECTIVE: OCTOBER 26, 2016

VERSION NUMBER 1.0.0.0
MAP NUMBER 31111C0880C
EFFECTIVE DATE JANUARY 2, 2009