From:	Wells, Julie
To:	Walkowiak, Ryan
Cc:	Harvey, Kirk; McCready, Nicolaus; Donahoo, Kevin
Subject:	RE: CN 42566, Deweese Spur North Floodplain
Date:	Monday, August 01, 2016 3:49:46 PM

Ryan,
The Deweese Spur North project is a resurfacing project along Highway 14 from RP 26+50 to RP 37+17. There are two roadway floodplain encroachments, and one bridge floodplain encroachment. The work described in the floodplain certification for all three encroachments are functionally dependent.

Let me know if you need anything else.

Julie Wells

From: Walkowiak, Ryan
Sent: Monday, August 01, 2016 9:17 AM
To: Wells, Julie <julie.wells@nebraska.gov>; Harvey, Kirk <kirk.harvey@nebraska.gov>
Subject: CN 42566, Deweese Spur North Floodplain

Good morning,

Based on the activities in this project the CE will need to show that the work being done in the floodplains is part of a functionally dependent use. Has the project been reviewed for this?

Ryan Walkowiak
Nebraska Department of Roads
Environmental Documents Unit
ryan.walkowiak@nebraska.gov
(402) 479-3547

Certification of Compliance
Floodplain and Floodway Regulations

FLOODPLAIN/ FLOODWAY LOCATION

Project Name Deweese Spur North
Project No. 14-1(119)
Control No. 42566

Stream Unnamed Drainage
County Clay
Section(s) 30 T 6N R 6W

FEMA LOCATION

County/Community Clay County Nebraska
Panel No. 310425 0004A
Effective Date November 8, 1977

TYPE OF STRUCTURE

☐ Bridge ☒ Culvert 36" CMP ☐ Roadway
Structure No. _____ ☐ _____

TYPE OF IMPROVEMENT

☐ Modify Existing ☐ Replace Existing ☒ Other
Details Remove 4" by Milling, Place 6" Overlay, resulting in a 2" grade raise

Highway Profile Change: ☒ Yes ☐ No

THE FOLLOWING IS HEREBY CERTIFIED

☐ Floodplain in Un-mapped Community (State Minimum Standards Apply)
Proposed construction will not increase the base
(100 year) flood heights more than one foot at any location.

☒ Floodplain (without Designated Floodway) or Flood Fringe
Proposed construction will not increase the base
(100 year) flood heights more than one foot at any location.

☐ Designated Floodway
Proposed construction will result in no rise along the base
(100 year) floodway water surface profile.

Signature RA Snyder
Robert A. Snyder
Roadway Design/Hydraulics and Environmental Liaison

Registration Number E-6389
Date June 7, 2016

PROFESSIONAL CIVIL ENGINEER
ROBERT A. SNYDER
E-6389
6/14/16
STATE OF NEBRASKA

Certification of Compliance
Floodplain and Floodway Regulations

FLOODPLAIN/ FLOODWAY LOCATION

Project Name Deweese Spur North
Project No. 14-1(119)
Control No. 42566

Stream Unnamed Drainage
County Clay
Section(s) 19 T 6N R 6W

FEMA LOCATION

County/Community Clay County Nebraska
Panel No. 310425 0004A
Effective Date November 8, 1977

TYPE OF STRUCTURE

☐ Bridge ☒ Culvert Twin-6' x 4' Concrete Box ☐ Roadway
Structure No. _____ ☐ _____

TYPE OF IMPROVEMENT

☐ Modify Existing ☐ Replace Existing ☒ Other
Details Remove 4" by Milling, Place 6" Overlay, resulting in a 2" grade raise

Highway Profile Change: ☒ Yes ☐ No

THE FOLLOWING IS HEREBY CERTIFIED

☐ Floodplain in Un-mapped Community (State Minimum Standards Apply)
Proposed construction will not increase the base
(100 year) flood heights more than one foot at any location.

☒ Floodplain (without Designated Floodway) or Flood Fringe
Proposed construction will not increase the base
(100 year) flood heights more than one foot at any location.

☐ Designated Floodway
Proposed construction will result in no rise along the base
(100 year) floodway water surface profile.

Signature RA Snyder
Robert A. Snyder
Roadway Design/Hydraulics and Environmental Liaison

Registration Number E-6389
Date June 7, 2016

PROFESSIONAL CIVIL ENGINEER
RA Snyder
ROBERT A.
SNYDER
E-6389
6/14/16
STATE OF NEBRASKA

Certification of Compliance
Floodplain and Floodway Regulations

FLOODPLAIN/ FLOODWAY LOCATION

Project Name: Deweese Spur North
Project No.: 14-1(119)
Control No.: 42566

Stream: Big Sandy Creek
County: Clay
Section(s): 31/36 T 6N R 6W

FEMA LOCATION

County/Community: Clay County
Panel No.: 3104250006A
Effective Date: 9/1/86

TYPE OF STRUCTURE

☒ Bridge ☐ Culvert _____ ☐ Roadway
Structure No. S014 03182 ☐ _____

TYPE OF IMPROVEMENT

☐ Modify Existing ☒ Replace Existing ☐ Other

Details: Replace existing bridge with a 90-foot long by 44-foot clear width bridge, add approaches and grade beam on piles, place a 3-inch overlay with membrane from EOP to EOP, and add access crossing. There will be a 3-inch grade raise.

Highway Profile Change: ☒ Yes ☐ No

THE FOLLOWING IS HEREBY CERTIFIED

☐ Floodplain in Un-mapped Community (State Minimum Standards Apply)
Proposed construction will not increase the base (100 year) flood heights more than one foot at any location.

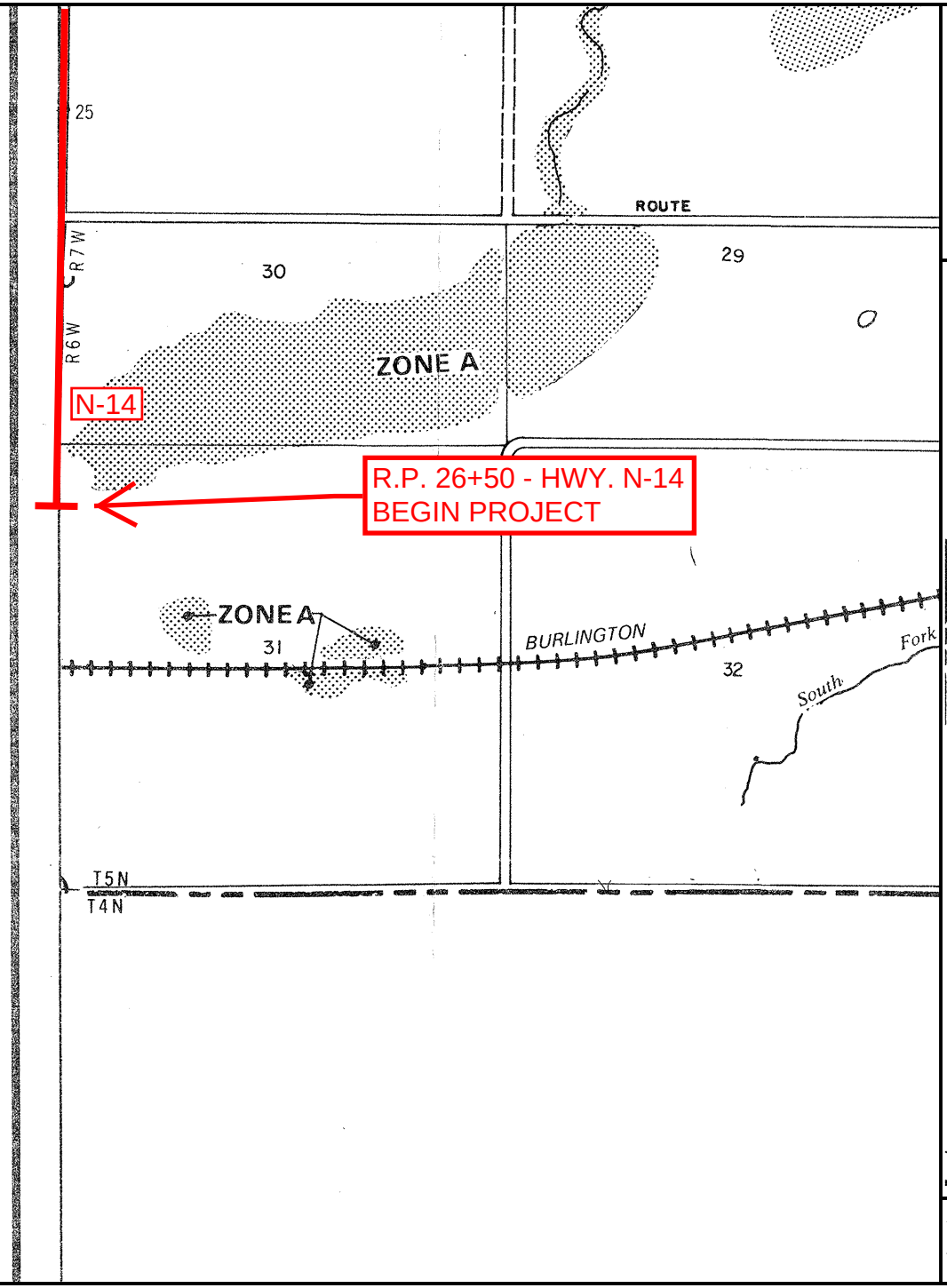
☒ Floodplain (without Designated Floodway) or Flood Fringe
Proposed construction will not increase the base (100 year) flood heights more than one foot at any location.

☐ Designated Floodway
Proposed construction will result in no rise along the base (100 year) floodway water surface profile.

Signature _____
Nicolaus McCready
Bridge Hydraulics Engineer

PROFESSIONAL CIVIL ENGINEER
NICOLAUS S. McCREADY
E-14235
6-21-16
STATE OF NEBRASKA

Registration Number: E-14235
Date: 6/21/16



APPROXIMATE SCALE IN FEET:

2000 0 2000

ORE CO

THAYER CO

FLOOD HAZARD BOUNDARY MAP

CLAY COUNTY,
NEBRASKA
UNINCORPORATED AREA
PAGE 6 OF 6
(SEE MAP INDEX FOR PAGES NOT PRINTED)

EFFECTIVE DATE:
NOVEMBER 8, 1977

CONVERTED BY LETTER
EFFECTIVE 9/1/86

COMMUNITY-PANEL NO.
310425 0006 A

1

U.S. DEPARTMENT OF HOUSING
AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

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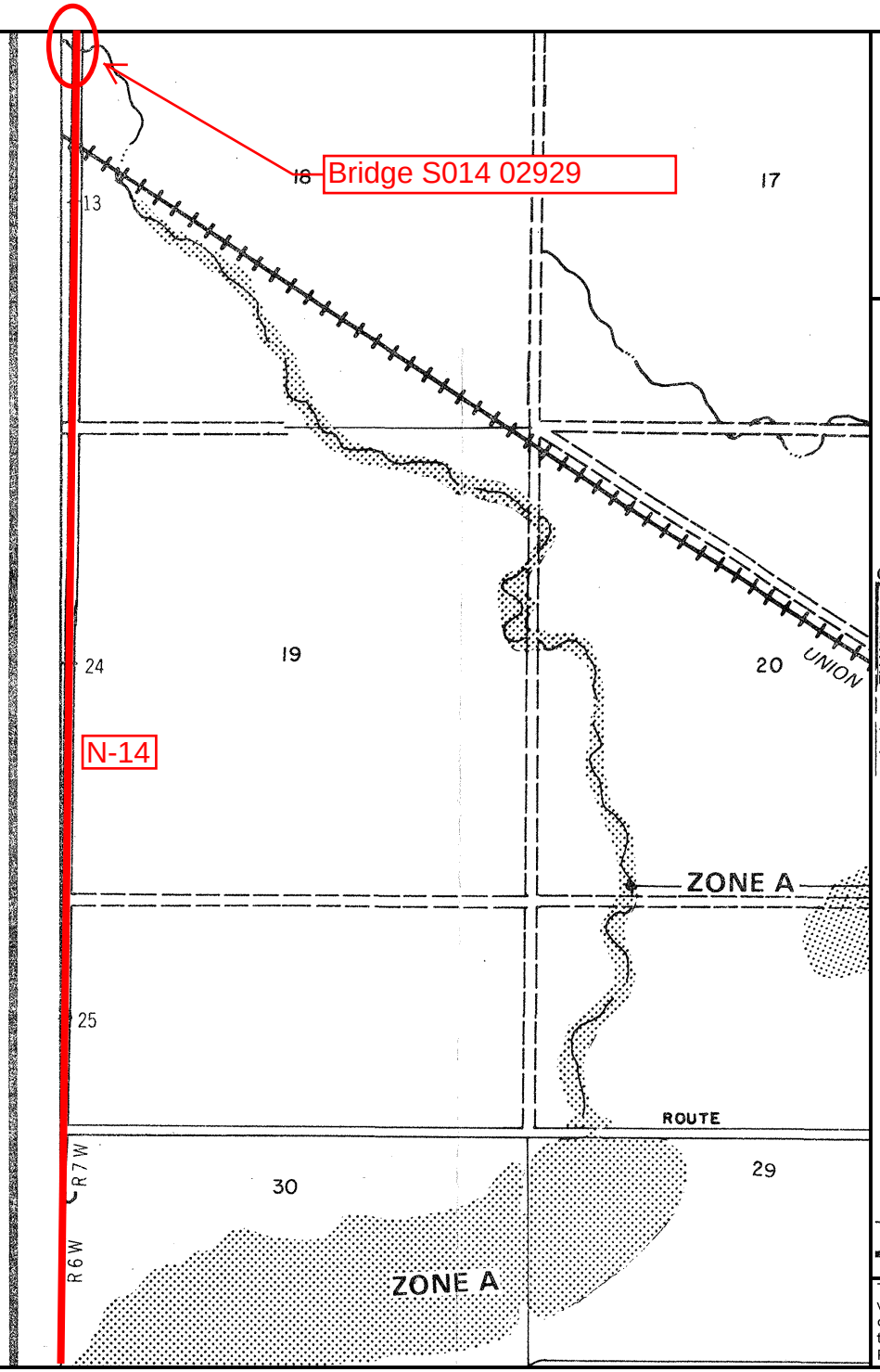

APPROXIMATE SCALE IN FEET:

2000 0 2000

ORE CO

THAYER CO

FLOOD HAZARD BOUNDARY MAP

CLAY COUNTY, NEBRASKA

UNINCORPORATED AREA

PAGE 6 OF 6

(SEE MAP INDEX FOR PAGES NOT PRINTED)

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U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

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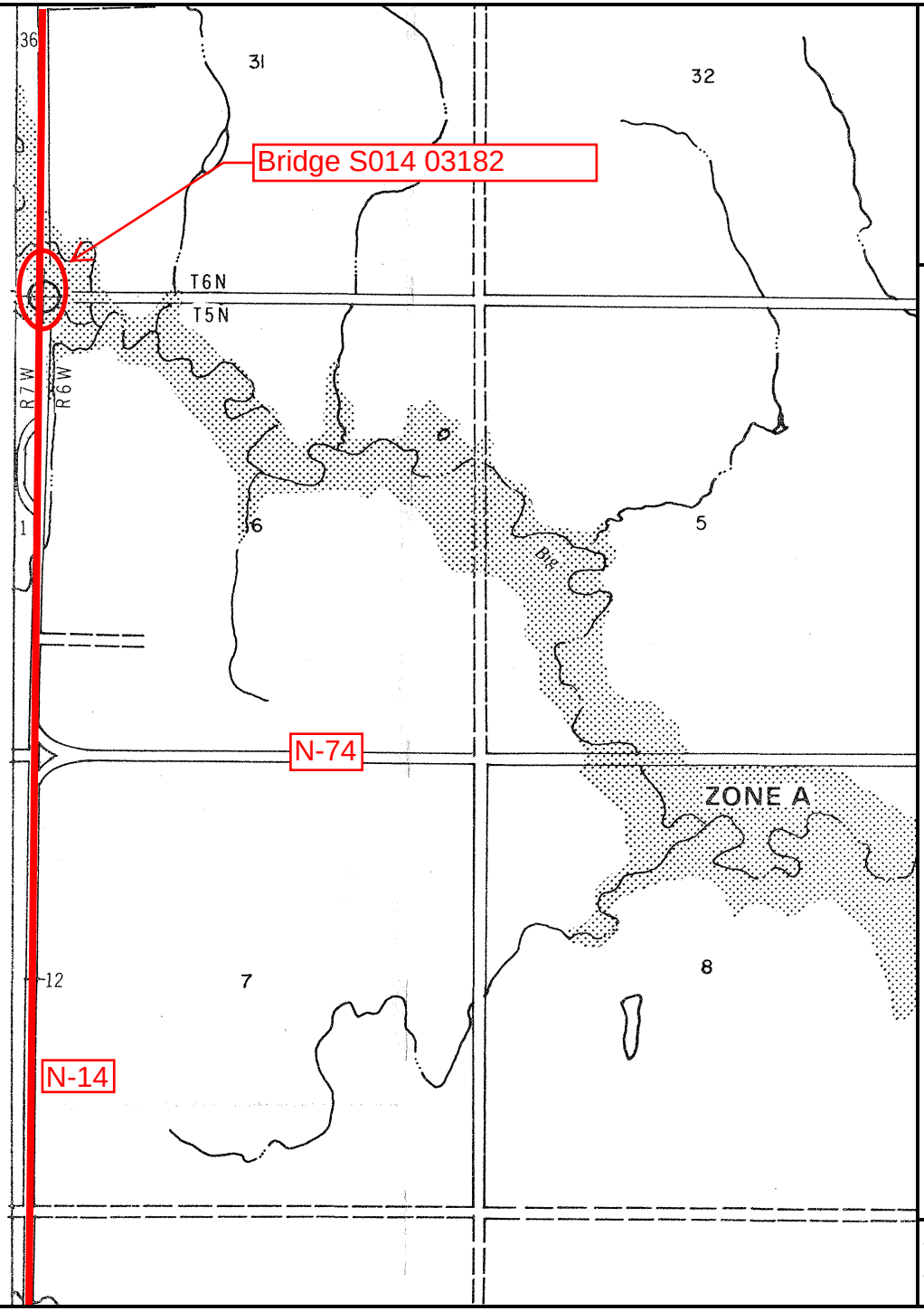

APPROXIMATE SCALE IN FEET:

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FLOOD HAZARD BOUNDARY MAP

CLAY COUNTY, NEBRASKA

UNINCORPORATED AREA

PAGE 6 OF 6

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U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

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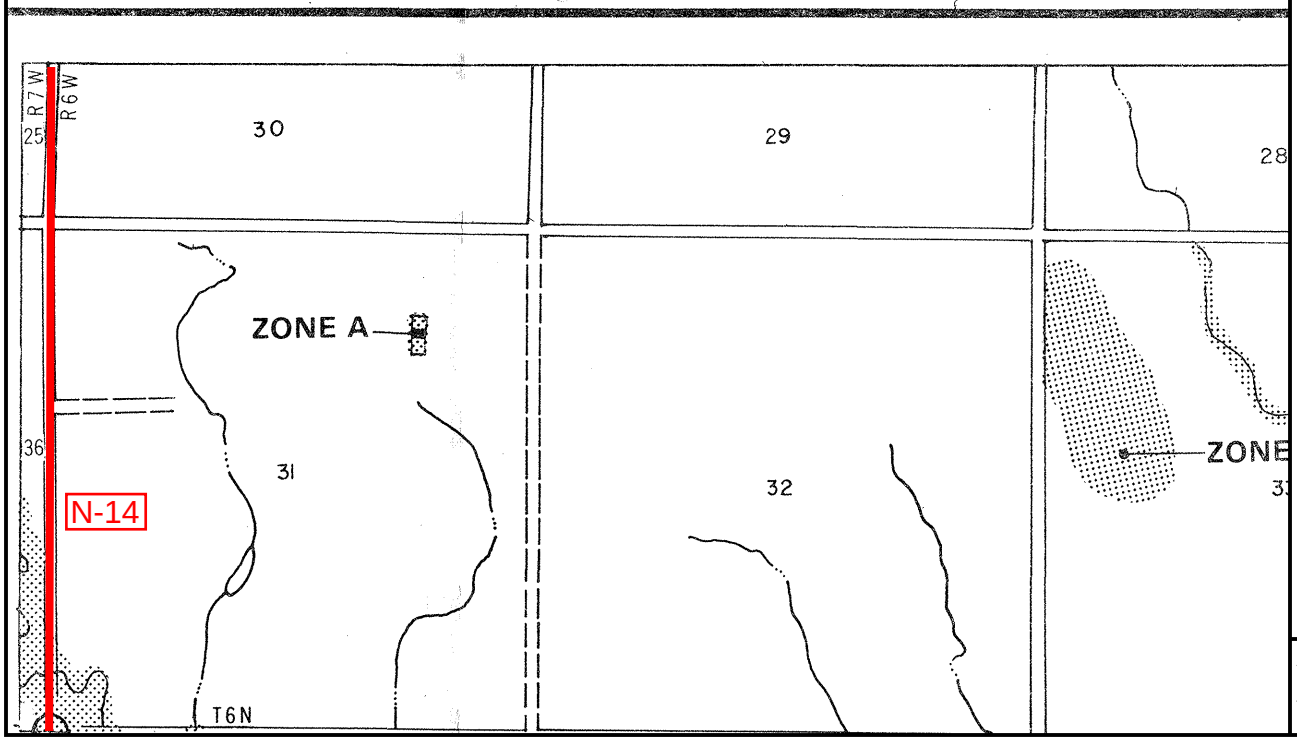

APPROXIMATE SCALE IN FEET:

2000 0 2000

FLOOD HAZARD BOUNDARY MAP

CLAY COUNTY, NEBRASKA

UNINCORPORATED AREA

PAGE 6 OF 6

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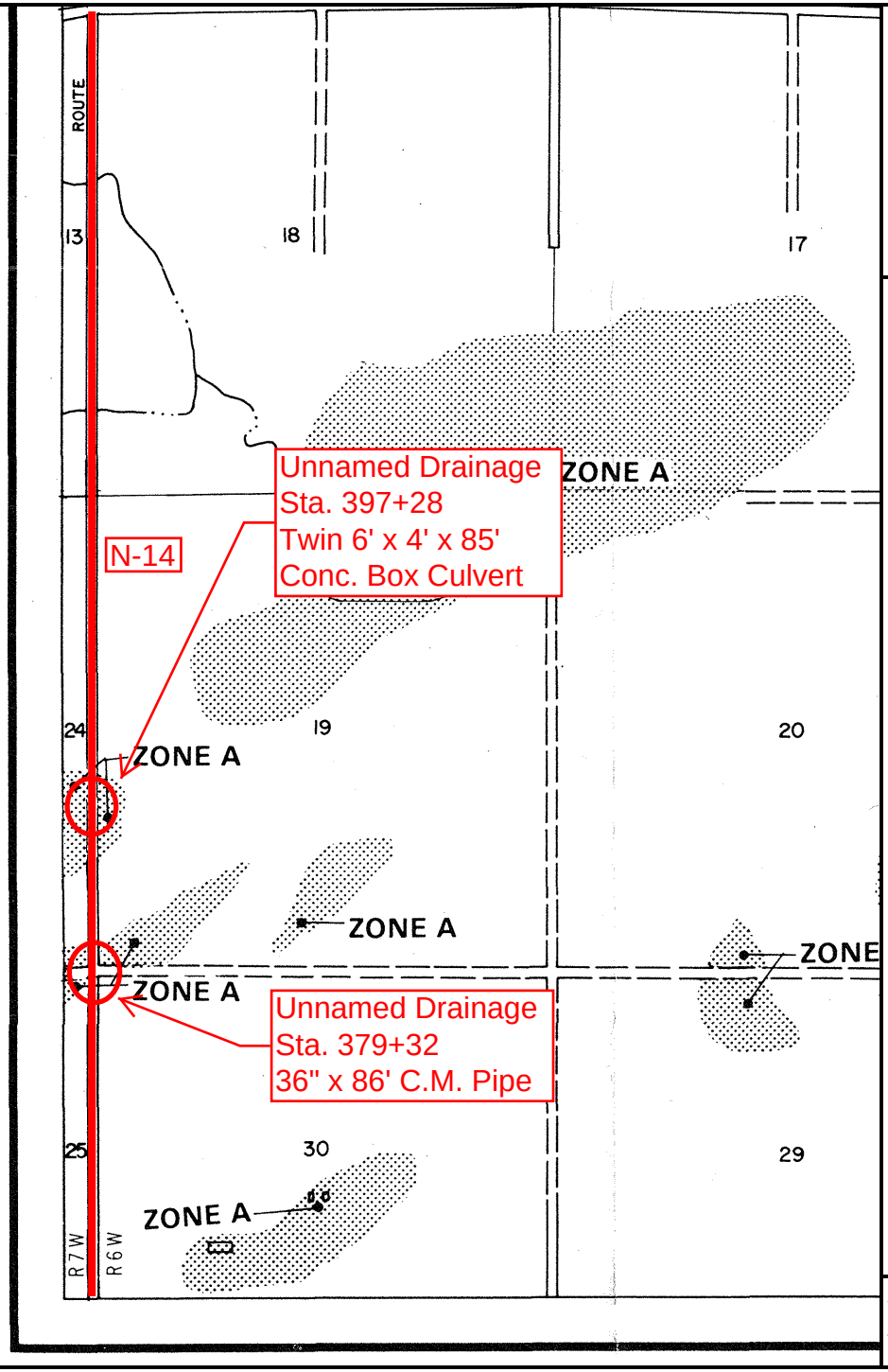

APPROXIMATE SCALE IN FEET:

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N

FLOOD HAZARD BOUNDARY MAP

CLAY COUNTY, NEBRASKA

UNINCORPORATED AREA

PAGE 4 OF 6

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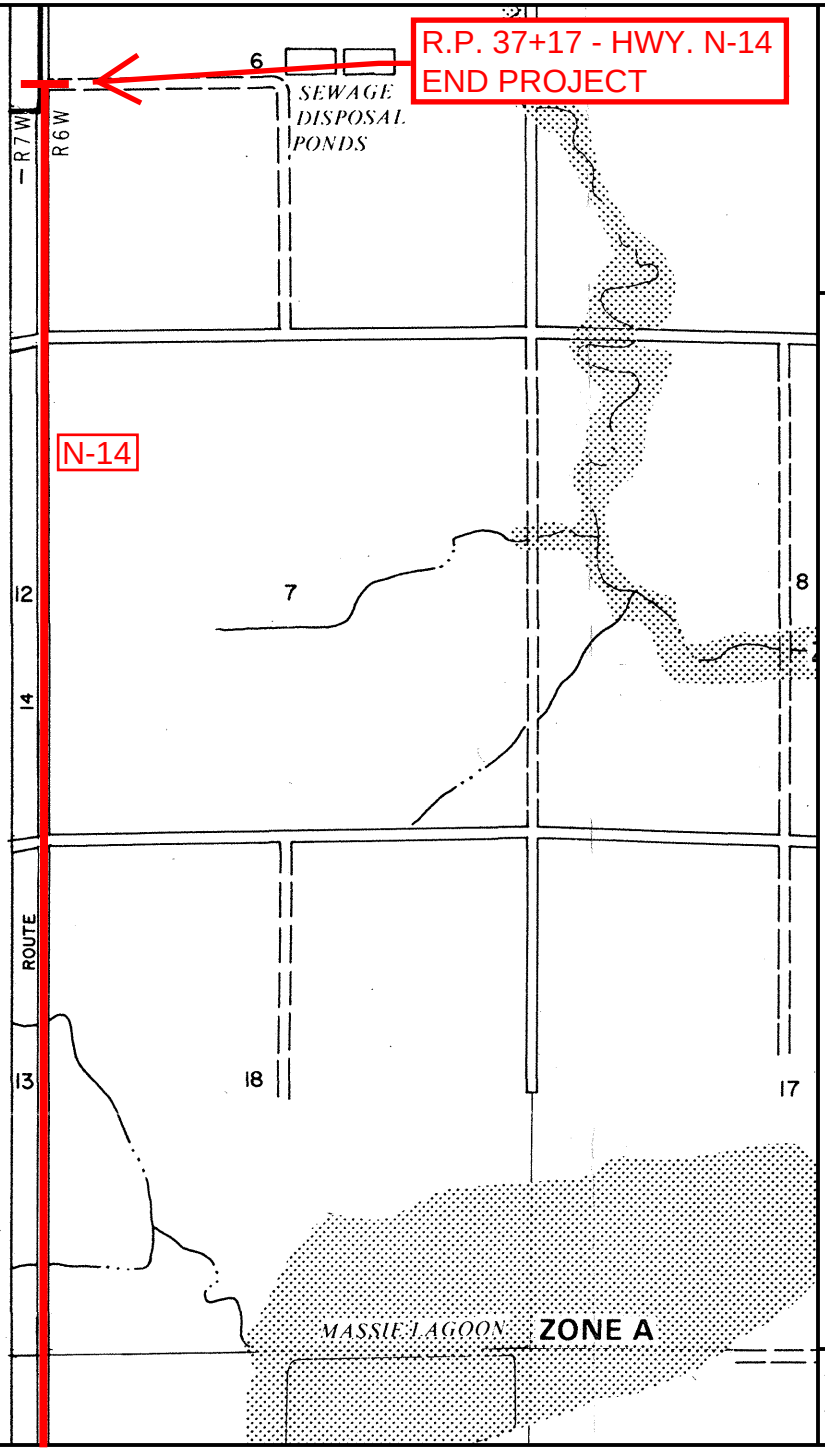

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FLOOD HAZARD BOUNDARY MAP

CLAY COUNTY, NEBRASKA

UNINCORPORATED AREA

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