NORTH Dakota | Transportation
Be Legendary.

April 4, 2025

ADDENDUM 2 – JOB 24035

TO: All prospective bidders on Projects NH-3-057(060)006 and NH-3-020(142)097, Job No. 24035 scheduled for the April 11, 2025 bid opening.

The following revision(s) shall be made:

Plan Revisions:

See attached summary from Wyatt Hanson, P.E. dated April 2, 2025 for an explanation.

Request for Proposal Revisions:

- Remove and replace pages 5 thru 7 of 9 of the Proposal pages located at the beginning of the Request for Proposal with pages revised April 2, 2025.

- Bid Item Changes are summarized in the Plan Addendum Summary and Approval.

This addendum is to be incorporated into the bidder's proposal for this project. AASHTOWare Project Bids files should be updated by downloading the addendum file from the Bid Express on-line bidding exchange at http://www.bidx.com/ and load it into the AASHTOWare Project Bids program.

Jeff Jirava

for PHILLIP MURDOFF, P.E. – CONSTRUCTION SERVICES ENGINEER
80: jwj
Enclosure

PLAN ADDENDUM SUMMARY AND APPROVAL

PROJECT INFORMATION					
Project:	NH-3-057(060)006, NH-3-020(142)097			**PCN:**	24044, 24045
Location:	ND 57 – Ft Totten to Jct ND 20, ND 20 Jct ND57 to Devils Lake				
Date:	04/2/2025	**Lead Designer:**	Jason Hunter		
Bid Opening Date:	04/11/2025	**JOB#:**		**Addendum#:**	2

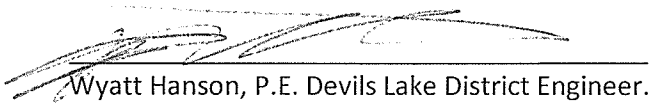
PLAN SHEET CHANGES		
Section	**Sheet**	**Description**
ALL		PSP 136(23) Permits and Environmental Considerations Revised in Proposal
6	1	Changed note 762-P01. Added note 762-P02
8	1	Permanent Pavement Marking quantities reduced and adjusted between the three projects due to duplication between projects.
8	2	Permanent Pavement Marking quantities reduced and adjusted between the three projects due to duplication between projects.
10	1	Tables moved
10	2	Permanent Pavement Marking quantities reduced and adjusted between the three projects due to duplication between projects.

CHANGES MADE TO BID ITEMS FOR JOB					
Spec	**Code**	**Description**	**Unit**	**Previous Quantity**	**Revised Quantity**
762	0103	PVMT MK PAINTED-MESSAGE	SF	1,360	0
762	1106	PVMT MK PAINTED 6IN LINE	LF	231,264	0
762	1112	PVMT MK PAINTED 12IN LINE	LF	5,501	0
762	1124	PVMT MK PAINTED 24IN LINE	LF	604	0
762	0122	PREFORMED PATTERNED PVMT MK-MESSAGE (GROOVED)	SF	1,429	1,749
762	0157	EPOXY PVMT MK 6IN LINE-WET REFLECTIVE-GROOVED	LF	257,791	273,461
762	0163	EPOXY PVMT MK 12IN LINE-WET REFLECTIVE-GROOVED	LF	5,466	6,781
762	0169	EPOXY PVMT MK 24IN LINE-WET REFLECTIVE-GROOVED	LF	0	332

APPROVAL

Should the revisions described above be processed as a plan addendum?

___X___ Yes _____ No



Wyatt Hanson, P.E. Devils Lake District Engineer. 04/02/2025 Date

Projects: HEN-3-999(059) (PCN-24035), NH-3-057(060)006 (PCN-24044), and NH-3-020(142)097 (PCN-24045)

Bidder must type or neatly print unit prices in numerals, make extensions for each item, and total. Do not carry unit prices further than three (3) decimal places.

Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						$$$$$	000	$$$$$	00
001	103	0100	CONTRACT BOND	L SUM	1.				
002	109	1000	E-TICKETING	L SUM	1.				
003	401	0050	TACK COAT	GAL	19,591.				
004	411	0105	MILLING PAVEMENT SURFACE	SY	49,874.				
005	430	0043	SUPERPAVE FAA 43	TON	37,385.				
006	430	1000	CORED SAMPLE	EA	205.				
007	430	5815	PG 58S-34 ASPHALT CEMENT	TON	2,244.				
008	702	0100	MOBILIZATION	L SUM	1.				
009	704	0100	FLAGGING	MHR	1,100.				
010	704	1000	TRAFFIC CONTROL SIGNS	UNIT	6,060.				
011	704	1048	PORTABLE RUMBLE STRIPS	EA	6.				
012	704	1052	TYPE III BARRICADE	EA	20.				
013	704	1060	DELINEATOR DRUMS	EA	95.				
014	704	1067	TUBULAR MARKERS	EA	682.				
015	704	1087	SEQUENCING ARROW PANEL-TYPE C	EA	1.				
016	704	1185	PILOT CAR	HR	500.				

Projects: HEN-3-999(059) (PCN-24035), NH-3-057(060)006 (PCN-24044), and NH-3-020(142)097 (PCN-24045)

Bidder must type or neatly print unit prices in numerals, make extensions for each item, and total. Do not carry unit prices further than three (3) decimal places.

Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						$$$$$	000	$$$$$	00
017	706	0550	BITUMINOUS LABORATORY	EA	1.				
018	706	0600	CONTRACTOR'S LABORATORY	EA	1.				
019	754	0110	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	SF	407.				
020	754	0112	FLAT SHEET FOR SIGNS-TYPE IV REFL SHEETING	SF	39.				
021	754	0206	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	LF	629.				
022	754	0592	RESET SIGN PANEL	EA	2.				
023	754	8005	PORTABLE CHANGEABLE MESSAGE SIGN	EA	2.				
024	754	8015	VEHICLE SPEED FEEDBACK SIGN	EA	2.				
025	760	0010	RUMBLE STRIPS - INTERSECTION	SET	1.				
026	760	0025	SINUSOIDAL RUMBLE STRIP - ASPHALT SHOULDER	MILE	21.980				
027	760	0027	SINUSOIDAL RUMBLE STRIP - ASPHALT CENTERLINE	MILE	10.990				
028	762	0122	PREFORMED PATTERNED PVMT MK-MESSAGE(GROOVED)	SF	1,749.				
029	762	0157	EPOXY PVMT MK 6IN LINE-WET REFLECTIVE-GROOVED	LF	273,461.				
030	762	0163	EPOXY PVMT MK 12IN LINE-WET REFLECTIVE-GROOVED	LF	6,781.				
031	762	0169	EPOXY PVMT MK 24IN LINE-WET REFLECTIVE-GROOVED	LF	332.				
032	762	0430	SHORT TERM 4IN LINE-TYPE NR	LF	146,316.				

BID ITEMS

Projects: HEN-3-999(059) (PCN-24035), NH-3-057(060)006 (PCN-24044), and NH-3-020(142)097 (PCN-24045)

Bidder must type or neatly print unit prices in numerals, make extensions for each item, and total. Do not carry unit prices further than three (3) decimal places.

Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						$$$$$	000	$$$$$	00
033	762	0437	SHORT TERM 12IN LINE-TYPE NR	LF	10,500.				
034	772	2110	FLASHING BEACON-POST MOUNTED	EA	5.				
035	772	3150	REMOVE FLASHING BEACON SYSTEM	EA	1.				
036	980	0800	RELOCATE ROAD CLOSURE GATE	EA	1.				
			TOTAL SUM BID						

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-3-057(060)006	6	1
ND	NH-3-020(142)097		

NOTES

107-100 LAWS TO BE OBSERVED: All or a portion of this project lies within the exterior boundaries of an Indian Reservation. Review laws and ordinances pertaining to the work contained within the boundaries of the reservation.

108-500 TERO COORDINATION: Invite the Tribal TERO Office to the Preconstruction Conference.

411-P01 MILLING PAVEMENT SURFACE: All of milled material from the project shall become the property of the NDDOT and be hauled and stockpiled at the NDDOT Maintenance Yard(1905 Schwan Ave NW Devils Lake, ND 58301) on the west side of Devils Lake, ND, RP 266.940 on US 2. Use a pay-loader when pushing up the material on the stockpile. Process the millings so that the maximum particle size does not exceed 1-1/2". Notify the Engineer 72 hours prior to dropping off any millings. Include all costs associated with this work in the contract unit price for "MILLING PAVEMENT SURFACE".

430-P01 CALCULATED DENSITY: Compact the asphalt according to specification 430.04 I.2, "Calculated Density".

704-P01 TRAFFIC CONTROL FOR BITUMINOUS PAVEMENT: Provide traffic control consisting of a temporary road closure, flagging, and a pilot car.

Traffic control device quantities are based on a 6 mile limitation and the list below. The Department will pay for all necessary deployed devices, regardless of the length of the lane closure

1. Standard D-704-12;
2. Standard D-704-15, layout A;
3. Standard D-704-20, layout G – signing will be required at junctions: BIA24; BIA 7; White Horse Hill Entrance; BIA 14; BIA 15; BIA 1; Spirit Lake Casino Entrance; ND 20; Camp Grafton Entrance; Military Road, Ramsey Co 1.
4. Standard D-704-22, layouts K and L; and
5. Standard D-704-26, layouts CC, EE, and GG.

When installing layout G from Standard D-704-20, move sign W3-5-48 and the sign assembly containing signs R2-1-48 and R2-1a-24 with the work area as it progresses through the construction zone. Place the R2-1-48 assembly a minimum of 500 feet in advance of flagging signs.

Place flaggers and traffic control devices as shown on Standard D-704-15, layout A at the following intersections when the lane closure spans across them:

1. BIA 24
2. BIA 7
3. White Horse Hill Enterance
4. BIA 14
5. BIA 15
6. BIA 1
7. Spirit Lake Casino Entrance
8. ND 20
9. Camp Grafton Entrance
10. Military Road
11. Ramsey Co 1

704-500 PORTABLE RUMBLE STRIPS (PRS): Use PRS made of rubber or engineered polymers.

Install PRS as part of the temporary traffic control when the following signs are also part of the required traffic control set up:

- "Be Prepared to Stop" (E3-4); and
- "Flagger" symbol (W20-7)

Install PRS that meet the following criteria:

- Have no adhesives or fasteners required for placement;
- Have a manufacture's speed rating that meets or exceeds the posted speed limit; and
- Each strip in the array must weigh a minimum of 100 pounds.

Use individual PRS construction in one of the following manners:

- A single piece;
- Inter locking segments; or
- Two pieces hinged at the midpoint.

An installed array of PRS consists of a minimum of 2 individual strips. Move rumble strips with the flagging operation. Do not place rumble strips on horizontal curves.

REGISTERED PROFESSIONAL ENGINEER
DARIN LINDBLOM
PE-8780
DATE 04/02/25
NORTH DAKOTA

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-3-057(060)006	6	2
ND	NH-3-020(142)097		

NOTES

The Engineer will count and measure each array as one unit. Include the cost of providing, installing, maintaining, and relocating PRS in the unit price bid for “Portable Rumble Strips”.

704-P01 PORTABLE RUMBLE STRIPS: A quantity of 4 portable rumble strips are provided (2 per project) to be used where ever needed on the projects. Additional quantities are at the contractors expense.

762-P01 EPOXY PVMT MK-WET REFLECTIVE: Supply epoxy pavement marking, and retroreflective optics as outlined below.

The following pavement marking products may be used:

- 3M Series 51E All Weather Elements, or
- Potters Visimax Beads, or
- Approved equal.

Use epoxy pavement marking paint as specified in the section 880.02 of the standard specifications.

Apply pavement markings as specified in Section 762.04 C.3, “Epoxy Paint Pavement Markings”, with the following exceptions:

- Apply retroreflective optics using a double drop system. The first drop shall consist of applying 3M Series 51E All Weather Elements at a rate of 4.2 pounds per gallon of paint. The second drop shall consist of applying the glass beads specified in Section 880.02 D at a rate of 20 pounds per gallon of paint. or

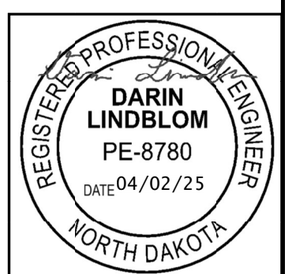
- Apply retroreflective optics using a double drop system. The first drop shall consist of applying Potters Visimax Beads at a rate of 6.0 pounds per gallon of paint. The second drop shall consist of applying the glass beads specified in Section 880.02 D at a rate of 6.0 pounds per gallon of paint.

Ensure a company representative is present during the initial application of the retroreflective optics.

Include all costs associated with this work in the price bid for the item “Epoxy Pvmt Mk 6in Line-Wet Reflective”, “Epoxy Pvmt Mk 6 in Line-Wet Reflective-Grooved”, and “Epoxy Pvmt Mk 12in Line-Wet Reflective-Grooved”.

762-P02 SHORT TERM 4IN LINE-TYPE NR: Quantity for two applications of short term centerline pavement marking has been included in the plans. Additional applications required to accommodate the contractor’s operation are at the contractor’s expense.

- One application for HBP Overlay
- One application for Rumble Strips.



ESTIMATE OF QUANTITIES

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-3-057(060)006	8	1

SPEC	CODE	ITEM DESCRIPTION	UNIT	MAINLINE	TOTAL
103	0100	CONTRACT BOND	L SUM	0.47	0.47
109	1000	E-TICKETING	L SUM	0.57	0.57
401	0050	TACK COAT	GAL	10,303	10,303
411	0105	MILLING PAVEMENT SURFACE	SY	1,533	1,533
430	0043	SUPERPAVE FAA 43	TON	21,890	21,890
430	5815	PG 58S-34 ASPHALT CEMENT	TON	1,315	1,315
702	0100	MOBILIZATION	L SUM	0.47	0.47
704	0100	FLAGGING	MHR	500	500
704	1000	TRAFFIC CONTROL SIGNS	UNIT	3,033	3,033
704	1048	PORTABLE RUMBLE STRIPS	EA	2	2
704	1067	TUBULAR MARKERS	EA	350	350
704	1185	PILOT CAR	HR	250	250
706	0550	BITUMINOUS LABORATORY	EA	0.57	0.57
706	0600	CONTRACTOR'S LABORATORY	EA	0.57	0.57
760	0025	SINUSOIDAL RUMBLE STRIP - ASPHALT SHOULDER	MILE	14.78	14.78
760	0027	SINUSOIDAL RUMBLE STRIP - ASPHALT CENTERLINE	MILE	7.39	7.39
762	0430	SHORT TERM 4IN LINE-TYPE NR	LF	86,362	86,362
762	0437	SHORT TERM 12IN LINE-TYPE NR	LF	4,800	4,800

ESTIMATE NUMBER: 24511 ESTIMATE TYPE: FINAL FINALIZED: Y RUN DATE: 03/27/2025 TIME: 14:26:28

ESTIMATE OF QUANTITIES

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-3-020(142)097	8	2

SPEC	CODE	ITEM DESCRIPTION	UNIT	MAINLINE	TOTAL
103	0100	CONTRACT BOND	L SUM	0.35	0.35
109	1000	E-TICKETING	L SUM	0.43	0.43
401	0050	TACK COAT	GAL	9,288	9,288
411	0105	MILLING PAVEMENT SURFACE	SY	48,341	48,341
430	0043	SUPERPAVE FAA 43	TON	15,495	15,495
430	1000	CORED SAMPLE	EA	205	205
430	5815	PG 58S-34 ASPHALT CEMENT	TON	929	929
702	0100	MOBILIZATION	L SUM	0.35	0.35
704	0100	FLAGGING	MHR	500	500
704	1000	TRAFFIC CONTROL SIGNS	UNIT	2,253	2,253
704	1048	PORTABLE RUMBLE STRIPS	EA	2	2
704	1052	TYPE III BARRICADE	EA	20	20
704	1060	DELINEATOR DRUMS	EA	60	60
704	1067	TUBULAR MARKERS	EA	300	300
704	1185	PILOT CAR	HR	250	250
706	0550	BITUMINOUS LABORATORY	EA	0.43	0.43
706	0600	CONTRACTOR'S LABORATORY	EA	0.43	0.43
760	0010	RUMBLE STRIPS - INTERSECTION	SET	1	1
760	0025	SINUSOIDAL RUMBLE STRIP - ASPHALT SHOULDER	MILE	7.2	7.2
760	0027	SINUSOIDAL RUMBLE STRIP - ASPHALT CENTERLINE	MILE	3.6	3.6
762	0122	PREFORMED PATTERNED PVMT MK-MESSAGE(GROOVED)	SF	320	320
762	0157	EPOXY PVMT MK 6IN LINE-WET REFLECTIVE-GROOVED	LF	15,670	15,670
762	0163	EPOXY PVMT MK 12IN LINE-WET REFLECTIVE-GROOVED	LF	1,315	1,315
762	0169	EPOXY PVMT MK 24IN LINE-WET REFLECTIVE-GROOVED	LF	332	332
762	0430	SHORT TERM 4IN LINE-TYPE NR	LF	59,954	59,954
762	0437	SHORT TERM 12IN LINE-TYPE NR	LF	5,700	5,700

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	NH-3-057(060)006	10	1
		NH-3-020(142)097		

NH-3-057(060)006/NH-3-020(142)097				
Mainline			Sta 318+39 to Sta 658+20	
			Sta 659+55 to Sta 701+76	
			Sta 5158+16 to Sta 5348+02	
Materials	Basis	UNIT	Width (ft)	Total
SUPERPAVE FAA 43	2 Ton/CY	Ton	46.00	32,477
PG 58S-34 ASPHALT CEMENT	6.0 % of HBP	Ton	---	1949
TACK COAT	0.05 Gal/SY	Gal	46.00	14,615

Tack quantities have been figured for 1 lift

NH-3-020(142)097				
Mainline			Sta 5348+02 to Sta 5420+15	
Materials	Basis	UNIT	Width (ft)	Total
SUPERPAVE FAA 43	2 Ton/CY	Ton	50.00	4,452
PG 58S-34 ASPHALT CEMENT	6.0 % of HBP	Ton	---	267
TACK COAT	0.05 Gal/SY	Gal	50.00	2,004

Tack quantities have been figured for 1 lift

NH-3-057(060)006 Approach Paving Details							
Item	Unit	Paved Section Line, Road, or Street Approach	Gravel Section Line, Road, or Street Approach	Paved Private Drive	Gravel Private	Field	Total
Number of Locations	EA	15	3	13	1	1	33
SUPERPAVE FAA 43	TON	25	2	2	7	7	421
PG 58S-34 ASPHALT CEMENT	TON	1.50	0.12	0.06	0.06	0.06	24
TACK COAT	GAL	103	15	7	7	7	1695

NH-3-020(142)097 Approach Paving Details							
Item	Unit	Paved Section Line, Road, or Street Approach	Gravel Section Line, Road, or Street Approach	Paved Private Drive	Gravel Private	Field	Total
Number of Locations	EA	4	0	1	0	0	5
SUPERPAVE FAA 43	TON	25	2	2	7	7	102
PG 58S-34 ASPHALT CEMENT	TON	1.50	0.12	0.06	0.06	0.06	6
TACK COAT	GAL	103	15	7	7	7	419

HBP Cored Samples							
	A	B	C	D	Full Depth		
Specification Section	Lanes	Lifts	Distance (Feet)	Sublots (A × B × C)÷1000	Quantity	Quantity (1 per mile)	Unit
430.04 I.2.b(1), "General" Mainline Paving	2	1	64,400	129	129	12	EA
SSP 4 Longitudinal Joint Density	1	1	64,400	64	64	N/A	EA
				Total	193	12	EA

TURN LANE ND 57									
Station	Total Length (Ft)	Lane	Turn Length (Ft)	Taper Length (Ft)	Width (Ft)	Area (SY)	2" Superpave FAA 43 @ 2 Ton/CY (Tons)	PG 58S-34 ASHPALT CEMENT @ 6.0% HBP (Tons)	TACK COAT @ 0.05 Gal/SY (Gal)
321+23 RT	365	RT	163	96	12	345	38	2	17
312+23 LT	365	RT	163	96	12	345	38	2	17
324+62 RT	292	LT	188	104	12	389	43	3	19
332+10 LT	260	LT	164	96	12	347	39	2	17
411+18 RT	609	RT	429	180	12	812	90	6	41
417+77 LT	570	LT	390	180	12	760	84	5	38
448+67 RT	612	RT	432	180	12	816	91	6	41
455+29 LT	570	LT	390	180	12	760	84	5	38
511+41 RT	605	RT	425	180	12	807	90	6	40
517+98 LT	570	LT	390	180	12	760	84	5	38
573+11 RT	618	RT	438	180	12	824	92	6	41
579+85 LT	570	LT	390	180	12	760	84	5	38
622+19 LT	570	RT	390	180	12	760	84	5	38
628+39 RT	716	LT	536	180	12	955	106	7	48
694+71 RT	680	RT	500	180	12	907	101	6	45
						Totals	**1148**	**71**	**516**

TURN LANE ND 20									
Station	Total Length (Ft)	Lane	Turn Length (Ft)	Taper Length (Ft)	Width (Ft)	Area (SY)	2" Superpave FAA 43 @ 2 Ton/CY (Tons)	PG 58S-34 ASHPALT CEMENT @ 6.0% HBP (Tons)	TACK COAT @ 0.05 Gal/SY (Gal)
5158+41 LT	570	LT	390	180	12	760	84	5	38
5211+12 LT	570	RT	390	180	12	760	84	5	38
5217+42 RT	613	LT	433	180	12	817	91	6	41
5251+51 LT	572	RT	392	180	12	763	85	5	38
5257+68 RT	593	LT	413	180	12	791	88	5	40
5257+73 LT	586	LT	406	180	12	781	87	5	39
						Totals	**519**	**31**	**234**

Basis of Estimate

REGISTERED PROFESSIONAL ENGINEER
DARIN LINDBLOM
PE-8780
DATE 04/02/25
NORTH DAKOTA

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	NH-3-057(060)006	10	2
		NH-3-020(142)097		

MILLING PAVEMENT SURFACE-2" Taper to 0"				
Location	Length (ft)	Width (ft)	Qty	
Milled Taper Sta 311+60	100	46	511	SY
Milled Taper Sta 658+20	100	46	511	SY
Milled Taper Sta 659+55	100	46	511	SY
Milled Taper Sta 5347+02	100	50	556	SY
		Total	2,089	SY

MILLING PAVEMENT SURFACE 2"					
Start Station	End Station	Length (ft)	Width (ft)	Qty	
5348+02	5420+15	7213	50	40,072	SY
			Total=	40,072	SY

RUMBLE STRIPS NH-3-057(060)006				
Item	Begin Station	End Station	Road Miles	Total Miles
RUMBLE STRIPS - ASPHALT SHOULDER	311+60	701+76	7.39 Miles	14.78
RUMBLE STRIPS - ASPHALT CENTERLINE	311+60	701+76	7.39 Miles	7.39

RUMBLE STRIPS - NH-3-020(142)097				
Item	Begin Station	End Station	Road Miles	Total Miles
RUMBLE STRIPS - ASPHALT SHOULDER	5158+16	5348+02	3.60 Miles	7.20
RUMBLE STRIPS - ASPHALT CENTERLINE	5158+16	5348+02	3.60 Miles	3.60

NH-3-057(060)006 SHORT TERM PAVEMENT MARKING		
	TOTAL	
4" YELLOW, 10' LINE, 30' SKIP	16,856	LF*
SHORT TERM 4IN LINE-TYPE NR BARRIER- YELLOW-NPZ	69,506	LF*
PVMT MK PAINTED 12IN LINE 12" WHITE CHANNEL LINE	4,800	LF
*figured for 2 applications		

NH-3-020(142)097 SHORT TERM PAVEMENT MARKING		
	TOTAL	
4" YELLOW, 10' LINE, 30' SKIP	11,954	LF*
SHORT TERM 4IN LINE-TYPE NR BARRIER- YELLOW-NPZ	48,000	LF*
PVMT MK PAINTED 12IN LINE 12" WHITE CHANNEL LINE	5,700	LF
*figured for 2 applications		

PERMANENT PAVEMENT MARKING ND 20 (RP 101.682 to RP 102.654)		
	TOTAL	
YELLOW, 10' LINE, 30' SKIP	737	LF
YELLOW BARRIER LINE WITH 10' LINE, 30' SKIP	900	LF
EPOXY PVMT MK 6IN LINE-WET REFLECTIVE GROOVED BARRIER-6" YELLOW-NPZ	3,710	LF
EPOXY PVMT MK 6IN LINE-WET REFLECTIVE GROOVED DOUBLE YELLOW BARRIER LINE	5,398	LF
EPOXY PVMT MK 6IN LINE-WET REFLECTIVE GROOVED 6" WHITE EDGELINE	10,272	LF
EPOXY PVMT MK 12IN LINE-WET REFLECTIVE GROOVED 12" WHITE CHANNEL LINE	1,315	LF
EPOXY PVMT MK 24IN LINE-WET REFLECTIVE GROOVED 24" WHITE CONTINETAL CROSSWALK/STOP BARS	332	LF
PREFORMED PATTERNED PVMT MK-MESSAGE GROOVED ARROWS(16SF EACH) - QUANTITY 20	320	SF
*All other Permanent Pavement Markings are done under project HEN-3-999(059)		

Basis of Estimate

REGISTERED PROFESSIONAL ENGINEER
DARIN LINDBLOM
PE-8780
DATE 04/02/25
NORTH DAKOTA

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

PERMITS AND ENVIRONMENTAL CONSIDERATIONS

PROJECT NUMBER: NH-3-020(142)097 – PCN 24045
NH-3-057(060)006 – PCN 24044

This Special Provision incorporates the Floodplain Permits obtained by the North Dakota Department of Transportation (NDDOT) into the bidder's proposal.

The Contractor shall be responsible for complying with all the terms and conditions as contained in the permit(s) attached hereto. Bidders shall become familiar with all standard conditions and special conditions of the permit(s) and submit their bid for the construction of this project based on the following:

PROJECT NUMBER: NH-3-020(142)097 – PCN 24045

- **Floodplain Permit**
  The Non-Building Floodplain Permit issued by Creel Township allows work within the FEMA mapped 100-yr floodplain. The Floodplain Permit and the Flood Insurance Rate Maps are attached.

NH-3-057(060)006 – PCN 24044

- The Non-Building Floodplain Permits issued by Benson County and Spirit Lake Nation allows work within the FEMA mapped 100-yr floodplain. The Floodplain Permit and the Flood Insurance Rate Maps are attached.

The Contractor is responsible for preparing and submitting Permit(s) for any additional impacts not authorized by the attached Permit(s) obtained by the NDDOT. The Contractor is responsible for any delays associated with obtaining any additional Permit(s).

FLOODPLAIN DEVELOPMENT PERMIT APPLICATION
NON-BUILDING SITUATION

GENERAL INFORMATION

PERMIT APPLICATION # RCND0002111 DATE: 1/6/25

Applicant/Contact: *NDDOT/Steve Kessler* Telephone # *(701) 328-3736*

Address: *North Dakota Department of Transportation*
Attn: Engineering and Environmental Services
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Brief project description - location of proposed development - legal description:
Sections 3, 9, 10, 16, 21, 28 and 33, T153N, R64W
Work will include a 2" overland and a 2" mill and 2" overlay on ND highway 57 and ND highway 20 from Fort Totten north to the junction of US highway 2. Work in the 100-yr floodplain within Creel Township will include a 2" overlay on ND highway 57 and ND Hwy 20 up to RP 101.288 and a 2" mill and 2 inch overlay on ND 20 from RP 101.288 to RP 102.654.

Contractor: *Contract Not Awarded*
Telephone #
Address:
Estimated Cost of project:

FLOODPLAIN DETERMINATION :

(Complete the appropriate information)

Project is located: 100-year floodplain? (Flood Fringe): *Yes*
Regulatory Floodway: *No*

Map information: FIRM Date: *June 6, 2001*
FIRM Zone: *Zone AE*
BFE at Development Site:
Development will be elevated to:

DEVELOPMENT ACTIVITIES: (check all that apply and explain the activity)

___ Fill placement (fill brought in from outside the floodplain)
___ Excavation (where subgrade fill is removed from the floodplain)

____ Landscaping (cut and fill, fill borrow and placement)
____ Construction or maintenance of a dike/levee/floodwall
____ Removal of fill, embankment, or dikes
____ Watercourse alterations (river, stream, lake - channel modifications, rip-rap)
____ Road, street or bridge construction (new, repair or replacement, realignment)
____ Drainage improvements (including culvert work)
____ Mining (removal of gravel, rock, fill or other natural materials)
____ Installation of utilities (water, sewer, pipeline, gas, electric, communications)
____ Well drilling (water, oil, natural gas etc.)
____ Subdivision (new or expansion)
__X__ Other (*2" overlay and a 2" mill and 2" overlay*)

ADDITIONAL INFORMATION REQUIRED (attach additional information):
-Comments or further explanation of work:
-Copies of project description, plans, blueprints, etc.
-Wetlands - will the activity impact identified wetlands? *No*
-Will the development aggravate flooding elsewhere? *Unknown*

OTHER NOTIFICATION OR PERMITS NECESSARY:

ELEVATION INFORMATION:
Attach information about the completed project elevations(s) with registered professional engineer or registered land surveyor certifications if part of the project:

ACTION / APPROVAL:
The proposed development is in conformance with applicable community floodplain standards subject to the following conditions with this approval.

PERMIT APPLICATION IS APPROVED
(Conditioned on the description provided. As-built information/certification will be available at the NDDOT District Office upon completion of construction.)

Signature (Floodplain Administrator): Chris Jaeger

Date: 01/06/2025

not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study Report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study Report for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 14. The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713- 3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from NAIP Orthophotography produced with a one meter ground resolution from photography dated 2005.

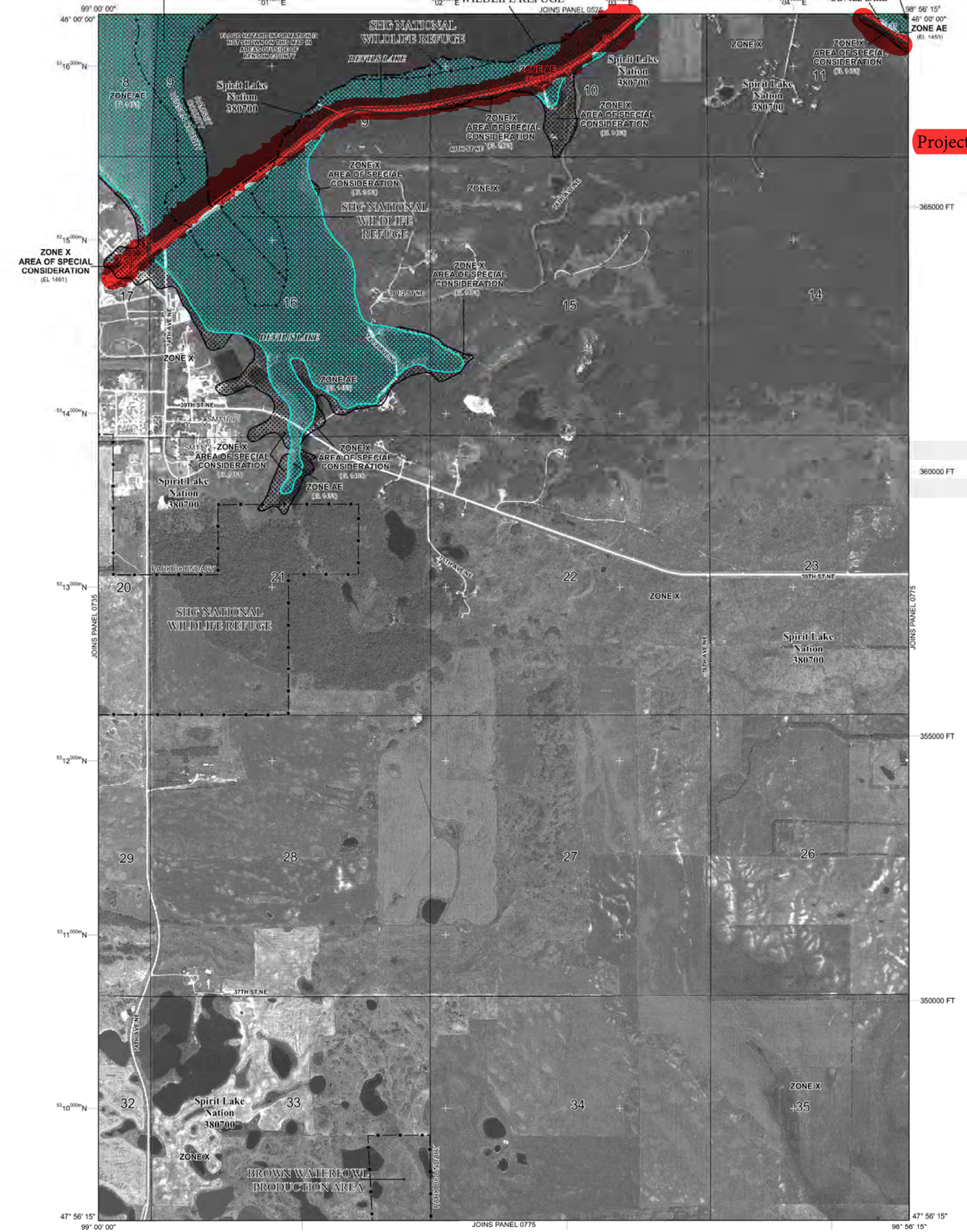
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1- 877- FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.


99° 00' 00"
48° 00' 00"
98° 56' 15"
47° 56' 15"
JOINS PANEL 0525
JOINS PANEL 0735
JOINS PANEL 0775
JOINS PANEL 0755
SHG NATIONAL WILDLIFE REFUGE
FLOOD HAZARD INFORMATION IS NOT SHOWN ON THIS MAP IN AREAS OUTSIDE BENSON COUNTY
BENSON COUNTY
BENSON COUNTY
DEVILS LAKE
Spirit Lake Nation 380700
ZONE AE
(EL 1451)
ZONE X
AREA OF SPECIAL CONSIDERATION
(EL 1451)
ZONE X
AREA OF SPECIAL CONSIDERATION
(EL 1461)
ZONE X
AREA OF SPECIAL CONSIDERATION
(EL 1461)
ZONE X
AREA OF SPECIAL CONSIDERATION
(EL 1461)
ZONE X
AREA OF SPECIAL CONSIDERATION
(EL 1461)
ZONE X
ZONE AE
(EL 1461)
ZONE AE
(EL 1461)
ZONE X
ZONE X
ZONE X

not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study Report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study Report for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 14. The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713- 3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from NAIP Orthophotography produced with a one meter ground resolution from photography dated 2005.

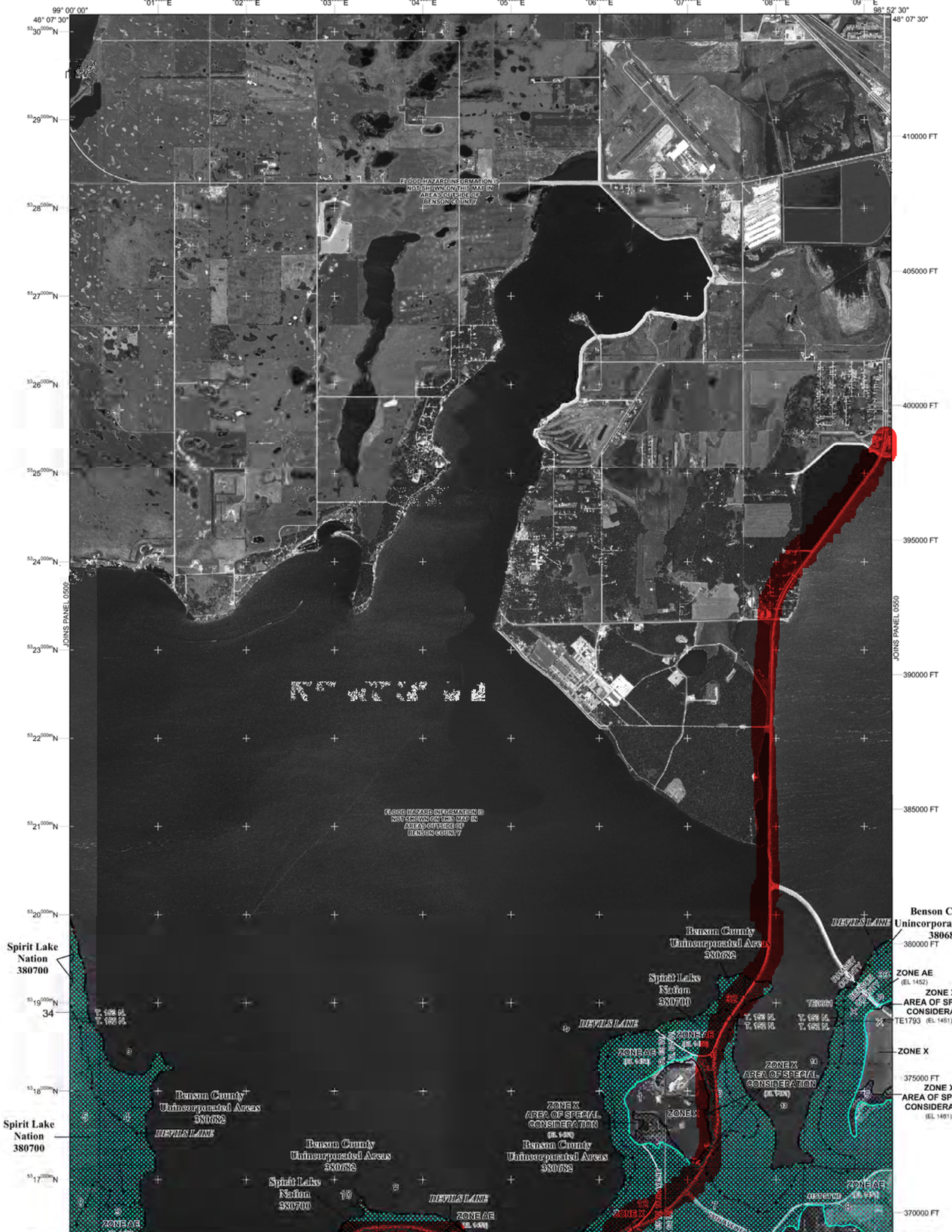
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1- 877- FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.



The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% Annual Chance Floodplain Boundary

0.2% Annual Chance Floodplain Boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

513 Base Flood Elevation line and value; elevation in feet*

(EL 987) Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988

A — A Cross section line

23 — 23 Transect line

Culvert

Bridge

45° 02' 08", 93° 02' 12" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere

3100000 FT 5000-foot ticks: North Dakota State Plane coordinate system, North zone, Lambert Conformal Conic projection

4889000mN 1000-meter Universal Transverse Mercator grid values, zone 14N

DX5510 × Bench mark (see explanation in Notes to Users section of this FIRM panel)

M1.5 River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
December 20, 2000

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
June 20, 2001 - to incorporate previously issued letter of map revision.
April 16, 2009 - to update corporate limits, to update map format, to add roads and road names and to update roads and road names.
For community map revision history prior to countywide mapping, refer to the Community Map History table located in 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.

MAP SCALE 1" = 2000'

1000 0 2000 4000 FEET
600 0 600 1200 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0525D

FIRM
FLOOD INSURANCE RATE MAP

BENSON COUNTY, NORTH DAKOTA AND INCORPORATED AREAS

PANEL 525 OF 1150
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BENSON COUNTY	380682	0525	D
SPIRIT LAKE NATION	380700	0525	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
38005C0525D

THIS AREA IS SHOWN ON MAP NUMBER 38071C0330

ZONE X
ZONE A
ZONE X
ZONE A
ZONE X
TOWNSHIP OF CREEL
RAMSEY COUNTY
R.64W.
R.63W.
National Waterfowl Production Area
National Waterfowl Production Area
500 LINE
ZONE D
ZONE X
NOT INCLUDED IN AREA OF SPECIAL CONSIDERATION (EL 1460)
Ramsey County Unincorporated Areas 380092
ZONE X
T. 154 N.
T. 153 N.
Township of Creel 380625
BURLINGTON NORTHERN
This area protected from the one percent annual chance (100-year) flood by levee, dike or other structures subject to possible failure or overtopping during larger floods.
ZONE X
ZONE AH (EL 1446)
ZONE X NOT INCLUDED IN AREA OF SPECIAL CONSIDERATION (EL 1460)
This area protected from the one percent annual chance (100-year) flood by levees, dike,, or other structures subject to possible failure or overtopping during larger floods.
ZONE AH (EL 1446)
ZONE X AREA OF SPECIAL CONSIDERATION (EL 1460)
Levee
R.65W.
ZONE AE (EL. 1452)
ZONE AE (EL 1451)
SHELVERS GROVE RECREATION AREA
ZONE X
ZONE X AREA OF SPECIAL CONSIDERATION (EL 1460)
ZONE D
ZONE AE (EL. 1451)
FLOODING EFFECTS FROM DEVILS LAKE
ZONE X AREA OF SPECIAL CONSIDERATION (EL 1460)
ZONE X NOT INCLUDED IN AREA OF SPECIAL CONSIDERATION (EL 1460)
ZONE X AREA OF SPECIAL CONSIDERATION (EL 1460)
ZONE X NOT INCLUDED IN AREA OF SPECIAL CONSIDERATION (EL 1460)
ZONE X
ZONE AE (EL. 1451)
ZONE AE (EL. 1450)
ZONE AE (EL. 1452)
ZONE AE (EL. 1451)
ZONE AE (EL. 1452)
ZONE AE (EL. 1452)
Boat Ramp
ZONE X
ZONE AE (EL. 1450)
ZONE X NOT INCLUDED IN AREA OF SPECIAL CONSIDERATION (EL 1460)
BAY
CREEL
Township of Creel 380625
TOWNSHIP OF CREEL
RAMSEY COUNTY
GILBERT
GRAFTON
STATE
MILITARY
RESERVATION
ZONE AE (EL. 1450)
LAKE
DEVILS
ZONE AE (EL. 1451)
ZONE X AREA OF SPECIAL CONSIDERATION (EL 1460)
ZONE X
ZONE AE (EL. 1451)
ZONE AE (EL. 1455)
THE NARROWS STATE RECREATION AREA
Boat Ramp
ROAD
RAMSEY COUNTY
BENSON COUNTY
Ramsey County Unincorporated Areas 380092
ZONE AE (EL. 1450)
MISSION BAY
ZONE AE (EL. 1450)
ZONE X
ZONE X AREA OF SPECIAL CONSIDERATION (EL 1460)
ZONE AE (EL. 1450)
ZONE X
ZONE X AREA OF SPECIAL CONSIDERATION (EL 1460)
ZONE X
ZONE AE (EL. 1454)
ZONE X
ZONE X AREA OF SPECIAL CONSIDERATION (EL 1460)
ZONE X
ZONE X AREA OF SPECIAL CONSIDERATION (EL 1460)
ZONE X
ZONE AE (EL. 1450

The Area of Special Consideration (ASC) is the flood prone area around a closed basin lake. For the Devils Lake basin, the ASC includes all areas subject to flooding from Devils Lake up to an elevation of 1460 feet (referenced to the National Geodetic Vertical Datum of 1929). The ASC includes the 100-year and 500-year floodplains and accounts for continuous fluctuations in the water-surface elevation of Devils Lake due to the closed basin lake phenomenon. Areas excluded from the ASC are those that are landward of certified levees, which provide protection from flooding. The ASC does not take into account all flood hazards that may exist from other flooding sources, such as local drainage areas or other flood waters that are not hydraulically connected to Devils Lake.

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. For construction and/or floodplain management purposes, users are encouraged to use the flood elevation data presented in this FIS in conjunction with the data shown on the FIRM.

Elevation Reference Marks (ERM) elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date-elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFE's shown on this map apply only landward of 0.0' National Geodetic Vertical Datum *(NGVD)*. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM 1	1474.38	A section of rebar (with a yellow plastic cap designated "Site 3 AZ MK") set flush with the ground. Located 0.65 mile east of the intersection of Highway 19 and Town Road E, in the northwest quadrant of the intersection of a field road and Town Road E. Lat. 48 05 09.80027 (N), Long 98 56 50.49641 (W).
RM 2	1464.82	A case hardened nail driven into the pavement, located approximately 0.9 mile east of the intersection of Highway 19 and Town Road E, located in the southwest quadrant of the intersection of Town Road E and Town Road 24, in the southwest quadrant of the intersection. Lat. 48 05 09.43148 (N), Long. 98 56 35.83030 (W).
RM 3	1465.09	A section of rebar "with a yellow plastic cap designated "Site 2") set flush with the ground. Located southwest of a gravel drive to a shed. The shed has the logo Dean Johnson, Leeds, ND, painted on the side. Lat. 48 04 36.80687 (N), Long. 98 56 47.07810 (W).
RM 4	1468.37	A section of rebar (with a yellow plastic cap designated "Site 2 AZ MK") set flush with the ground. Located approximately 38 feet northwest of telephone junction box #079-12-6PB. Lat. 48 04 32.93838 (N), Long. 98 56 53.98149 (W).

FLOOD INSURANCE RATE MAP ZONE DESIGNATIONS

ZONE A	No base flood elevations determined.
ZONE AE	Base flood elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE A99	To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
ZONE V	Coastal flood with velocity hazard (wave action); no base flood elevations determined.
ZONE VE	Coastal flood with velocity hazard (wave action); base flood elevations determined.
FLOODWAY AREAS IN ZONE AE	
OTHER FLOOD AREAS	
ZONE X	Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
OTHER AREAS	
ZONE X	Areas determined to be outside 500-year floodplain.
ZONE D	Areas in which flood hazards are undetermined.
	Areas not included in the Area of Special Consideration
	Floodplain Boundary
	Floodway Boundary
	Zone D Boundary
	Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.
513	Base Flood Elevation Line; Elevation in Feet*
D D	Cross Section Line
(EL 987)	Base Flood Elevation in Feet Where Uniform Within Zone*
RM 7	Elevation Reference Mark
M1.5	River Mile

*Referenced to the National Geodetic Vertical Datum of 1929

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFEs, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/20 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

For community map revision history prior to countywide mapping, see section 6.0 of the Flood Insurance Study Report.

For adjoining panels, see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Index Map

EFFECTIVE DATE OF
COUNTYWIDE FLOOD INSURANCE RATE MAP:
DECEMBER 20, 2000

EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:
Map revised June 20, 2001 to incorporate previously issued letter of map revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET
1000 0 1000

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

RAMSEY COUNTY,
NORTH DAKOTA AND
INCORPORATED AREAS

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CREEL, TOWNSHIP OF	380625	0330	D
DEVILS LAKE, CITY OF	380221	0330	D
UNINCORPORATED AREAS	380092	0330	D

MAP NUMBER
38071C0330 D

MAP REVISED:
JUNE 20, 2001

FLOODPLAIN DEVELOPMENT PERMIT APPLICATION NON-BUILDING SITUATION

GENERAL INFORMATION

PERMIT APPLICATION # 2025-01 DATE: 01-03-2025

Applicant/Contact: *NDDOT/Steve Kessler* Telephone # *(701) 328-3736*

Address: *North Dakota Department of Transportation*
Attn: Engineering and Environmental Services
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Brief project description - location of proposed development - legal description:
Sections 32 and 33, T153N, R64W
Work will include a 2" overland and a 2" mill and 2" overlay on ND highway 57 and ND highway 20 from Fort Totten north to the junction of US highway 2. Work in the 100-yr floodplain within Benson County will include a 2" overlay on ND highway 57.

Contractor: *Contract Not Awarded*
Telephone #
Address:
Estimated Cost of project:

FLOODPLAIN DETERMINATION :

(Complete the appropriate information)

Project is located: 100-year floodplain? (Flood Fringe): *Yes*
Regulatory Floodway: *No*

Map information: FIRM Date: *April 16, 2009*
FIRM Zone: *Zone AE*
BFE at Development Site:
Development will be elevated to:

DEVELOPMENT ACTIVITIES: (check all that apply and explain the activity)

X Fill placement (fill brought in from outside the floodplain)
____ Excavation (where subgrade fill is removed from the floodplain)
____ Landscaping (cut and fill, fill borrow and placement)
____ Construction or maintenance of a dike/levee/floodwall

____ Removal of fill, embankment, or dikes
____ Watercourse alterations (river, stream, lake - channel modifications, rip-rap)
____ Road, street or bridge construction (new, repair or replacement, realignment)
____ Drainage improvements (including culvert work)
____ Mining (removal of gravel, rock, fill or other natural materials)
____ Installation of utilities (water, sewer, pipeline, gas, electric, communications)
____ Well drilling (water, oil, natural gas etc.)
____ Subdivision (new or expansion)
__X__ Other (*2" overlay and a 2"mill and 2" overlay*)

ADDITIONAL INFORMATION REQUIRED (attach additional information):

-Comments or further explanation of work:
-Copies of project description, plans, blueprints, etc.
-Wetlands - will the activity impact identified wetlands? *No*
-Will the development aggravate flooding elsewhere? *Unknown*

OTHER NOTIFICATION OR PERMITS NECESSARY:

ELEVATION INFORMATION:

Attach information about the completed project elevations(s) with registered professional engineer or registered land surveyor certifications if part of the project:

ACTION / APPROVAL:

The proposed development is in conformance with applicable community floodplain standards subject to the following conditions with this approval.

PERMIT APPLICATION IS APPROVED
(Conditioned on the description provided. As-built information/certification will be available at the NDDOT District Office upon completion of construction.)

Signature (Floodplain Administrator): Randy R. Thompson

Date: 01-03-2025

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study Report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study Report for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 14. The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713- 3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from NAIP Orthophotography produced with a one meter ground resolution from photography dated 2005.

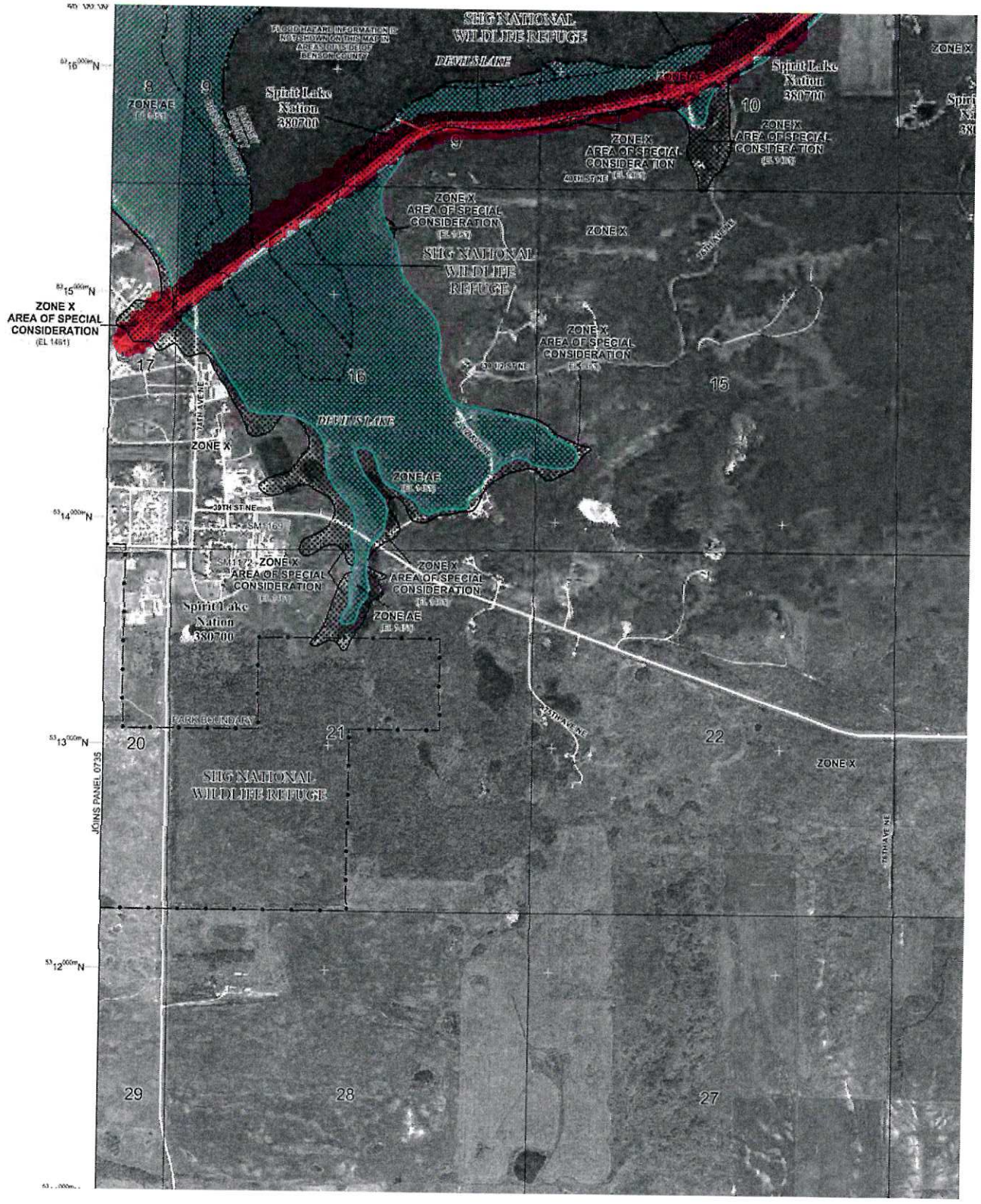
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1- 877- FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.



possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

Coastal Base Flood Elevations *shown on this map apply only landward of 0.0'* North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study Report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study Report for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 14. The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713- 3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this *FIRM* was derived from *NAIP* Orthophotography produced with a one meter ground resolution from photography dated 2005.

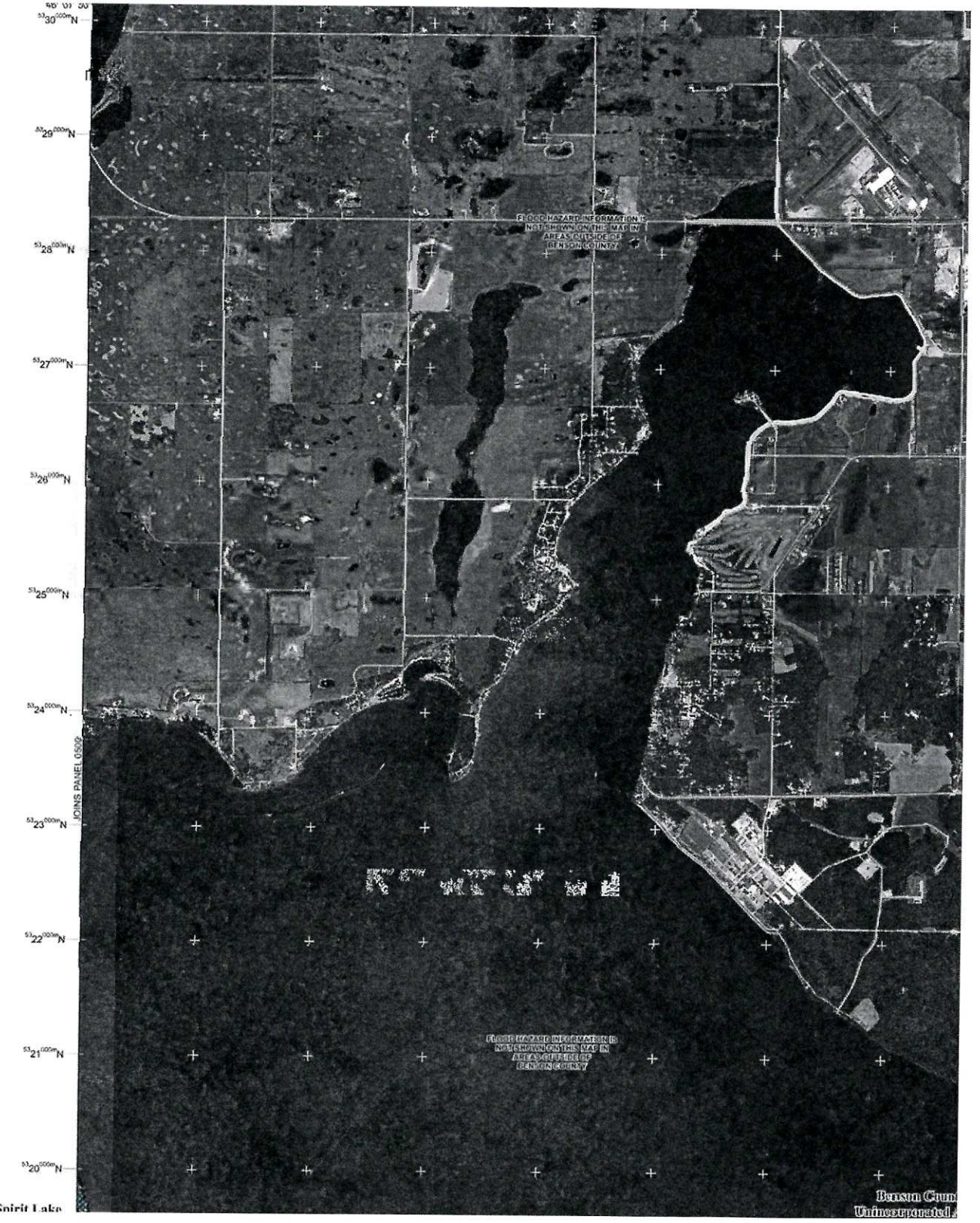
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables for multiple streams in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

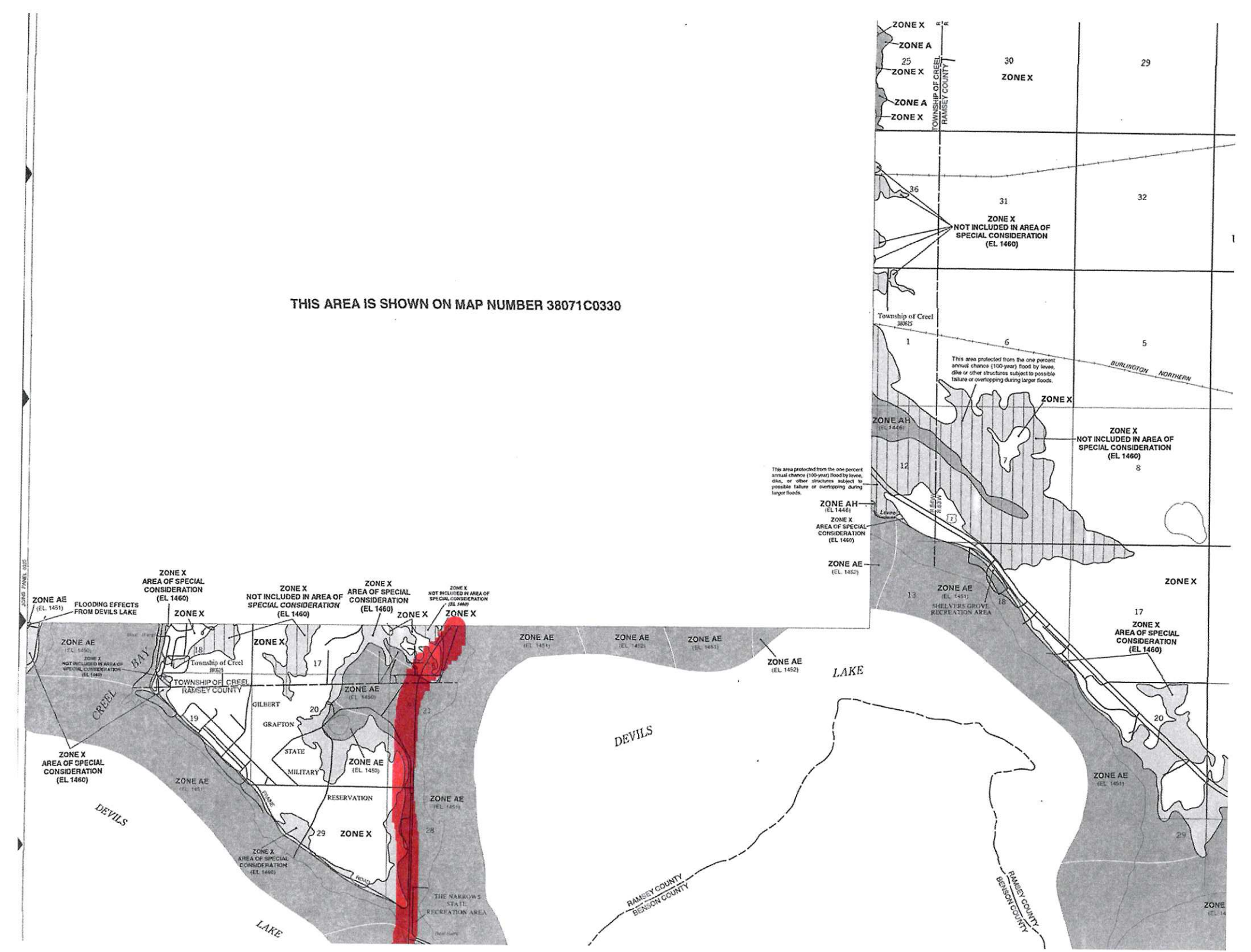
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

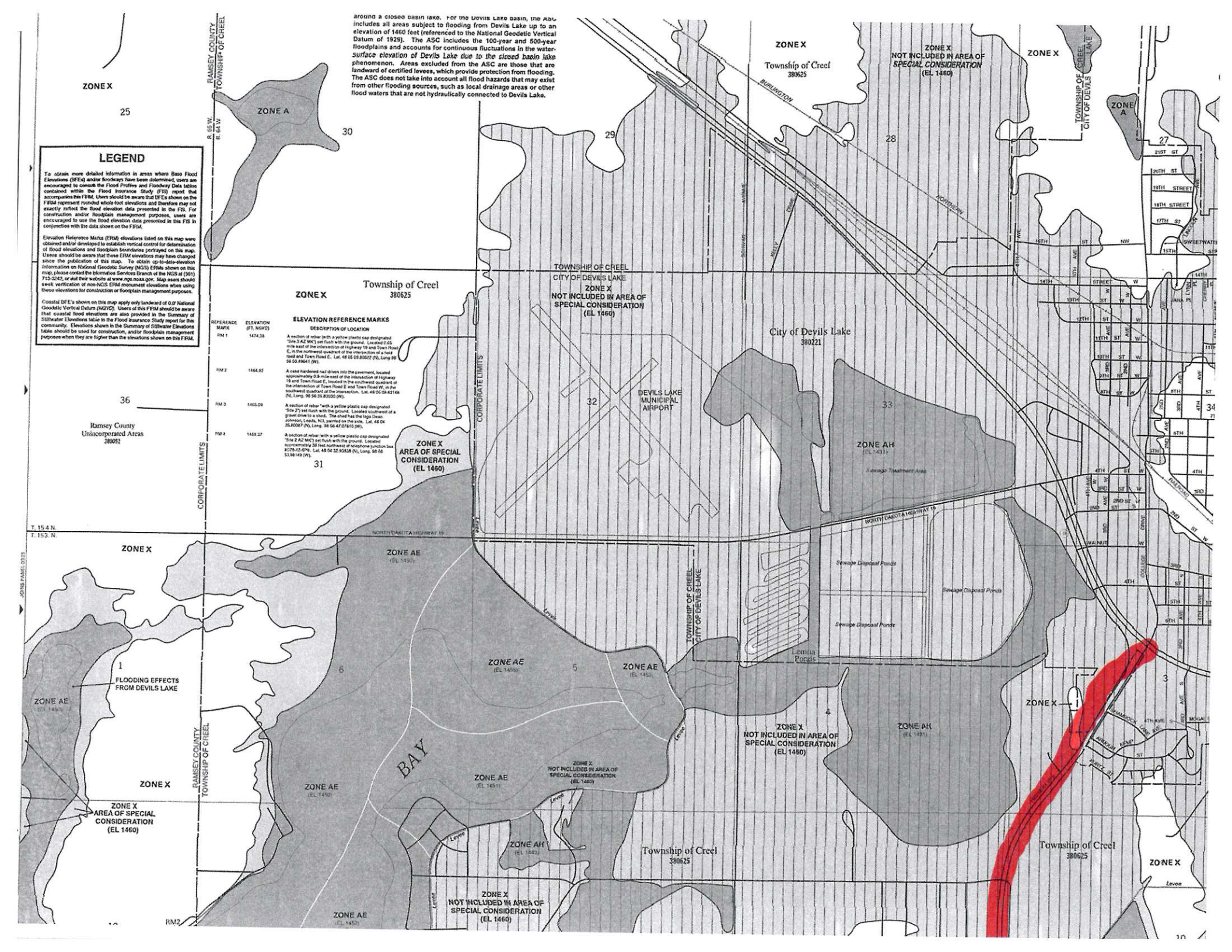
Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by *Fax at 1-800-358-9620 and its website at http://msc.fema.gov.*

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1- 877- FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.




THIS AREA IS SHOWN ON MAP NUMBER 38071C0330
ZONE X
ZONE A
ZONE X
ZONE A
ZONE X
TOWNSHIP OF CREEL
RAMSEY COUNTY
25
30
29
ZONE X
36
31
32
ZONE X
NOT INCLUDED IN AREA OF
SPECIAL CONSIDERATION
(EL 1460)
Township of Creel
380625
1
6
5
This area protected from the one percent annual chance (100-year) flood by levee, dike or other structures subject to possible failure or overtopping during larger floods.
BURLINGTON NORTHERN
ZONE X
ZONE AH
(EL 1446)
ZONE X
NOT INCLUDED IN AREA OF
SPECIAL CONSIDERATION
(EL 1460)
12
7
8
This area protected from the one percent annual chance (100-year) flood by levee, dike, or other structures subject to possible failure or overtopping during larger floods.
ZONE AH
(EL 1446)
ZONE X
AREA OF SPECIAL
CONSIDERATION
(EL 1460)
ZONE AE
(EL 1452)
ZONE X
13
ZONE AE
(EL 1451)
SHELVERS GROVE
RECREATION AREA
18
17
ZONE X
AREA OF SPECIAL
CONSIDERATION
(EL 1460)
ZONE AE
(EL 1451)
ZONE AE
(EL 1452)
ZONE AE
(EL 1451)
ZONE AE
(EL 1452)
LAKE
DEVILS
ZONE AE
(EL 1451)
FLOODING EFFECTS
FROM DEVILS LAKE
ZONE X
AREA OF SPECIAL
CONSIDERATION
(EL 1460)
ZONE X
NOT INCLUDED IN AREA OF
SPECIAL CONSIDERATION
(EL 1460)
ZONE X
AREA OF SPECIAL
CONSIDERATION
(EL 1460)
ZONE X
ZONE X
NOT INCLUDED IN AREA OF
SPECIAL CONSIDERATION
(EL 1460)
ZONE AE
(EL 1450)
ZONE X
BAY
CREEL
Township of Creel
380625
TOWNSHIP OF CREEL
RAMSEY COUNTY
18
17
19
20
21
GILBERT
GRAFTON
STATE
MILITARY
RESERVATION
ZONE AE
(EL 1450)
ZONE AE
(EL 1451)
ZONE AE
(EL 1451)
ZONE X
ZONE X
AREA OF SPECIAL
CONSIDERATION
(EL 1460)
ZONE AE
(EL 1451)
29
28
THE NARROWS
STATE
RECREATION AREA
ZONE AE
(EL 1451)
20
29
ZONE
(EL 14
RAMSEY COUNTY
BENSON COUNTY
RAMSEY COUNTY
BENSON COUNTY
LAKE
DEVILS


around a closed basin lake. For the Devils Lake basin, the ASC includes all areas subject to flooding from Devils Lake up to an elevation of 1460 feet (referenced to the National Geodetic Vertical Datum of 1929). The ASC includes the 100-year and 500-year floodplains and accounts for continuous fluctuations in the water-surface elevation of Devils Lake due to the closed basin lake phenomenon. Areas excluded from the ASC are those that are landward of certified levees, which provide protection from flooding. The ASC does not take into account all flood hazards that may exist from other flooding sources, such as local drainage areas or other flood waters that are not hydraulically connected to Devils Lake.
LEGEND
To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. For construction and/or floodplain management purposes, users are encouraged to use the flood elevation data presented in this FIS in conjunction with the data shown on the FIRM.
Elevation Reference Marks (ERM) elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date-elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.
Coastal BFEs shown on this map apply only landward of 0.0' National Geodetic Vertical Datum (NGVD). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.
ELEVATION REFERENCE MARKS
REFERENCE MARK
ELEVATION (FT, NGVD)
DESCRIPTION OF LOCATION
RM 1 1474.59
A section of rebar (with a yellow plastic cap designated "Site 3 AZ NKC") set flush with the ground. Located 0.65 mile east of the intersection of Highway 19 and Town Road E, in the northwest quadrant of the intersection of a field road and Town Road E. Lat. 48 05 09.83072 (N), Long. 98 56 50.49641 (W).
RM 2 1464.82
A case hardened nail driven into the pavement, located approximately 0.9 mile east of the intersection of Highway 19 and Town Road E, located in the southwest quadrant of the intersection of Town Road E and Town Road W, in the southwest quadrant of the intersection. Lat. 48 05 09.45146 (N), Long. 98 56 25.83030 (W).
RM 3 1465.09
A section of rebar "with a yellow plastic cap designated "Site 2") set flush with the ground. Located southwest of a gravel drive to a shed. The shed has the logo Dean Johnson, Leeds, ND, painted on the side. Lat. 48 04 35.80087 (N), Long. 98 56 47.07810 (W).
RM 4 1468.37
A section of rebar (with a yellow plastic cap designated "Site 2 AZ NKC") set flush with the ground. Located approximately 38 feet northwest of telephone junction box #079-15-EPg. Lat. 48 04 32.93838 (N), Long. 98 56 53.98149 (W).
ZONE X
ZONE A
ZONE AE
ZONE AH
ZONE X AREA OF SPECIAL CONSIDERATION (EL 1460)
ZONE X NOT INCLUDED IN AREA OF SPECIAL CONSIDERATION (EL 1460)
FLOODING EFFECTS FROM DEVILS LAKE
Township of Creel 380625
City of Devils Lake 380221
Ramsey County Unincorporated Areas 380092
TOWNSHIP OF CREEL
CITY OF DEVILS LAKE
RAMSEY COUNTY
TOWNSHIP OF CREEL
CORPORATE LIMITS
DEVILS LAKE MUNICIPAL AIRPORT
BAY
Levee
Sewage Treatment Area
Sewage Disposal Ponds
Lemna Ponds
NORTH DAKOTA HIGHWAY 19
BURLINGTON NORTHERN
T. 154 N.
T. 153 N.
R. 65 W.
R. 64 W.
25
30
29
28
27
36
31
32
33
34
1
6
5
4
3
10
RM2

FLOODPLAIN DEVELOPMENT PERMIT APPLICATION NON-BUILDING SITUATION

GENERAL INFORMATION

PERMIT APPLICATION # 00-03 DATE: 03/31/2025

Applicant/Contact: *NDDOT/Steve Kessler* Telephone # *(701) 328-3736*

Address: *North Dakota Department of Transportation*
Attn: Engineering and Environmental Services
608 East Boulevard Avenue
Bismarck, ND 58505-0700

Brief project description - location of proposed development - legal description:
Sections 6, 7, 12, 11, 10, 9, 16, 17, T152N, R65W
Section 32, T153N, R64W
Work will include a 2" overland and a 2" mill and 2" overlay on ND highway 57 and ND highway 20 from Fort Totten north to the junction of US highway 2. Work in the 100-yr floodplain within the Spirit Lake Nation will include a 2" overlay on ND highway 57.

Contractor: *Contract Not Awarded*
Telephone #
Address:
Estimated Cost of project:

FLOODPLAIN DETERMINATION :

(Complete the appropriate information)

Project is located: 100-year floodplain? (Flood Fringe): *Yes*
Regulatory Floodway: *No*

Map information: FIRM Date: *April 16, 2009*
FIRM Zone: *Zone AE*
BFE at Development Site:
Development will be elevated to:

DEVELOPMENT ACTIVITIES: (check all that apply and explain the activity)

____ Fill placement (fill brought in from outside the floodplain)
____ Excavation (where subgrade fill is removed from the floodplain)
____ Landscaping (cut and fill, fill borrow and placement)

____ Construction or maintenance of a dike/levee/floodwall
____ Removal of fill, embankment, or dikes
____ Watercourse alterations (river, stream, lake - channel modifications, rip-rap)
____ Road, street or bridge construction (new, repair or replacement, realignment)
____ Drainage improvements (including culvert work)
____ Mining (removal of gravel, rock, fill or other natural materials)
____ Installation of utilities (water, sewer, pipeline, gas, electric, communications)
____ Well drilling (water, oil, natural gas etc.)
____ Subdivision (new or expansion)
__X__ Other (*2" overlay*)

ADDITIONAL INFORMATION REQUIRED (attach additional information):

-Comments or further explanation of work:
-Copies of project description, plans, blueprints, etc.
-Wetlands - will the activity impact identified wetlands? *No*
-Will the development aggravate flooding elsewhere? *Unknown*

OTHER NOTIFICATION OR PERMITS NECESSARY:

ELEVATION INFORMATION:

Attach information about the completed project elevations(s) with registered professional engineer or registered land surveyor certifications if part of the project:

ACTION / APPROVAL:

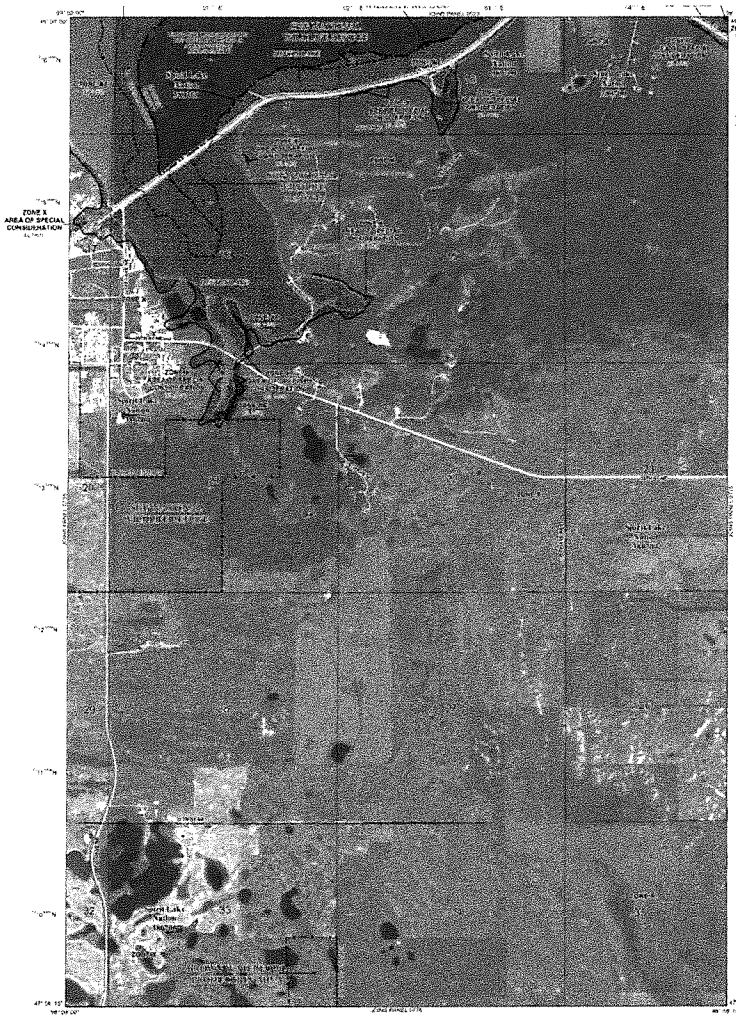
The proposed development is in conformance with applicable community floodplain standards subject to the following conditions with this approval.

PERMIT APPLICATION IS APPROVED
(Conditioned on the description provided. As-built information/certification will be available at the NDDOT District Office upon completion of construction.)

Signature (Floodplain Administrator): _____

Date: 03/31/2025

Project Highlighted



PANEL 0755D

FIRM

FLOOD INSURANCE RATE MAP

BENSON COUNTY, NORTH DAKOTA AND INCORPORATED AREAS

PANEL 755 OF 1150

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

MAP NUMBER 38005C0755D

no necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updates or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

Coastal Base Flood Elevations shown on the map apply only landward of 0.0 North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study Report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross-sections and interpolated between cross-sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study Report for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 14. The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on the map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, NNGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from NAIP Orthophotographs produced with a one meter ground resolution from photography dated 2008.

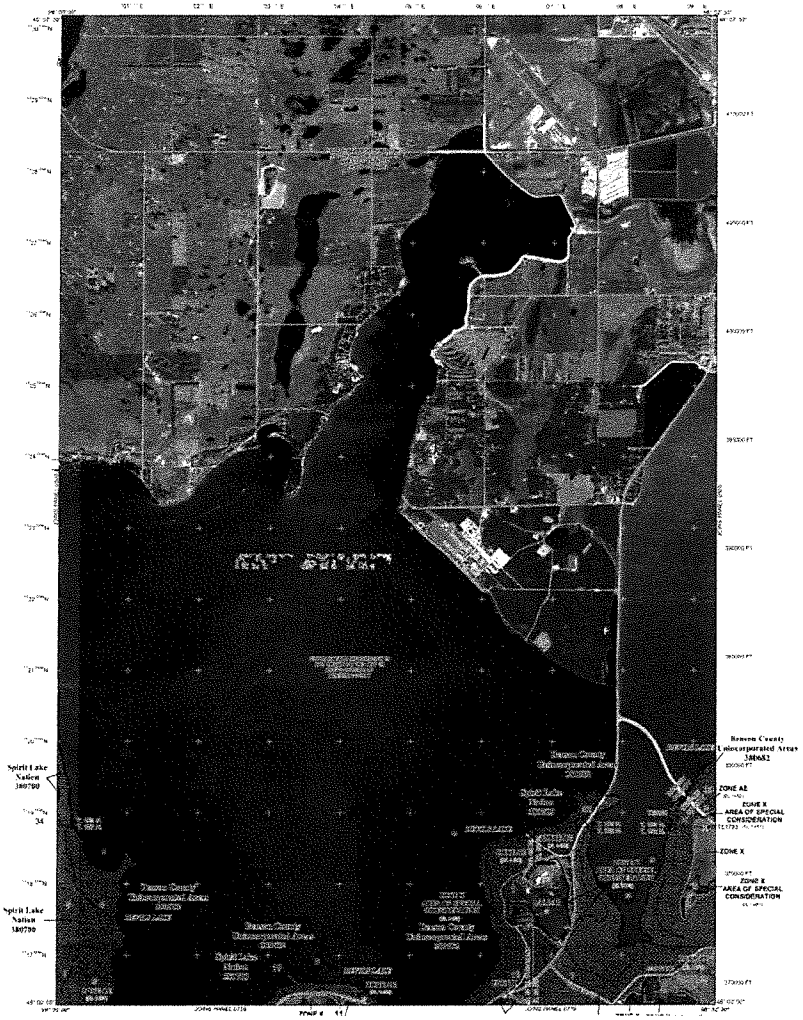
This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may take place after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a listing of Communities Participating in the National Flood Insurance Program (NFIP) and the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.fema.gov/msc.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.



The Special Flood Hazard Areas shown on this Flood Insurance Rate Map are the areas subject to flooding in the event of the 1-percent-annual-chance flood. The 1-percent-annual-chance flood is the flood that has a 1-percent chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1-percent-annual-chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A1-A30, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1-percent-annual-chance flood.

ZONE A — No Base Flood Elevations determined.

ZONE AE — Base Flood Elevations determined.

ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 — Area to be protected from the 1% annual chance flood by a federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are typically located within or adjacent to Special Flood Hazard Areas.

1% Annual Chance Floodplain Boundary

0.2% Annual Chance Floodplain Boundary

Floodway Boundary

Zone D Boundary

CBRS and OPA Boundary

Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

Cross section line

Transect line

Arc

North American Vertical Datum of 1988 (NAVD 88) Geodetic monument

True North

Universal Transverse Mercator grid values, zone 14N

Bench mark (see explanation in Profile Panel section of User's Guide)

Interstate

U.S. Route

Road accessibility is subject to change.

Refer to the separately printed Map Index for an overview map of the county showing the layout of adjacent Flood Insurance Rate Maps and Flood Boundary and Floodway Maps, and listings of communities and the panels on which each is located.

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
December 07, 2009

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
June 19, 2012 - to reflect new topographic data, revised areas of flood hazard, updated corporate limits, and to change Special Flood Hazard Areas, to add zone AE and flood northeast of Spirit Lake, and to change zone AE to zone X on the northeast side of Spirit Lake.

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.

MAP SCALE 1" = 2000'

PANEL 0525D

FIRM
FLOOD INSURANCE RATE MAP

BENSON COUNTY, NORTH DAKOTA AND INCORPORATED AREAS

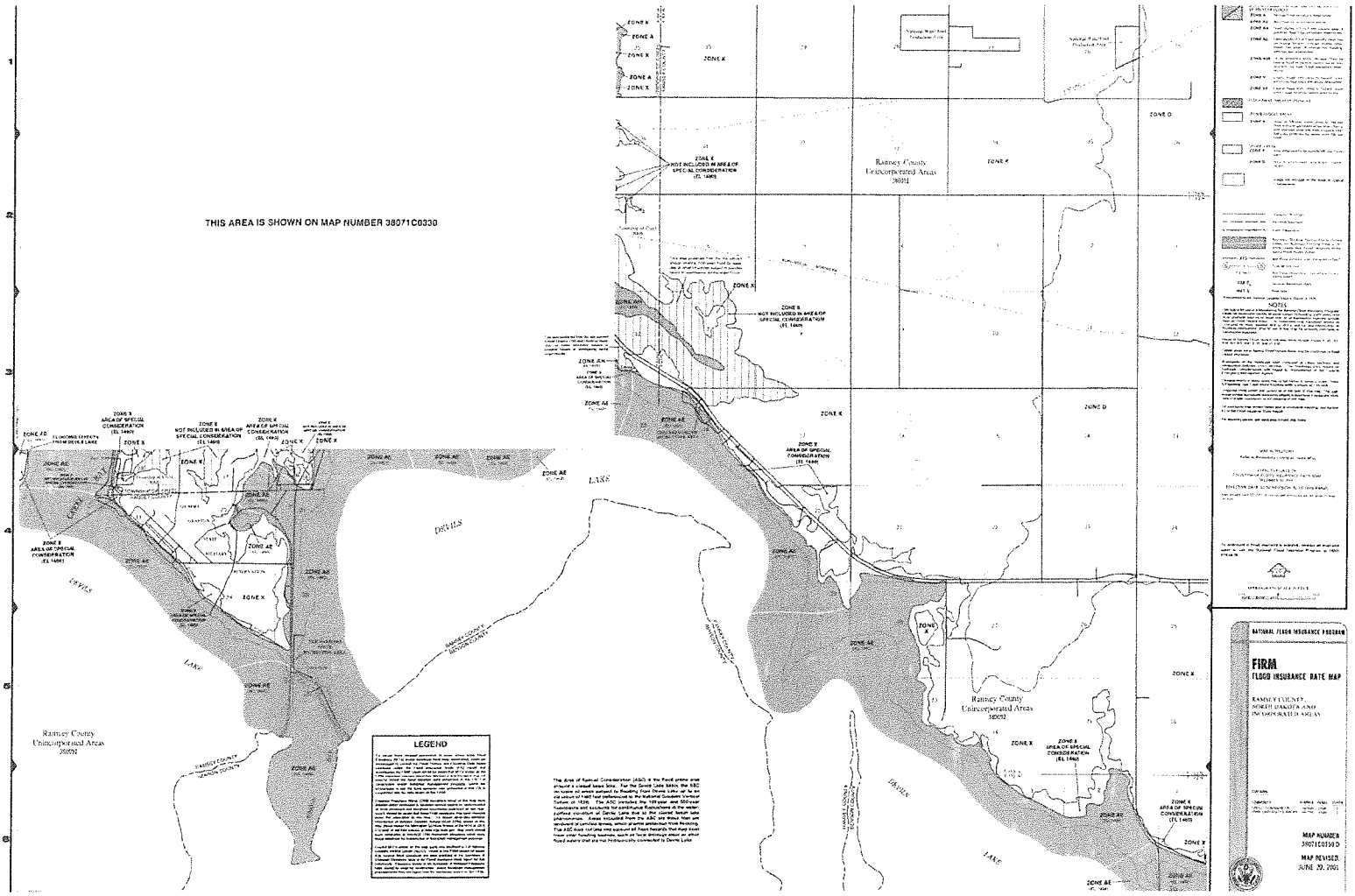
PANEL 525 OF 1150
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

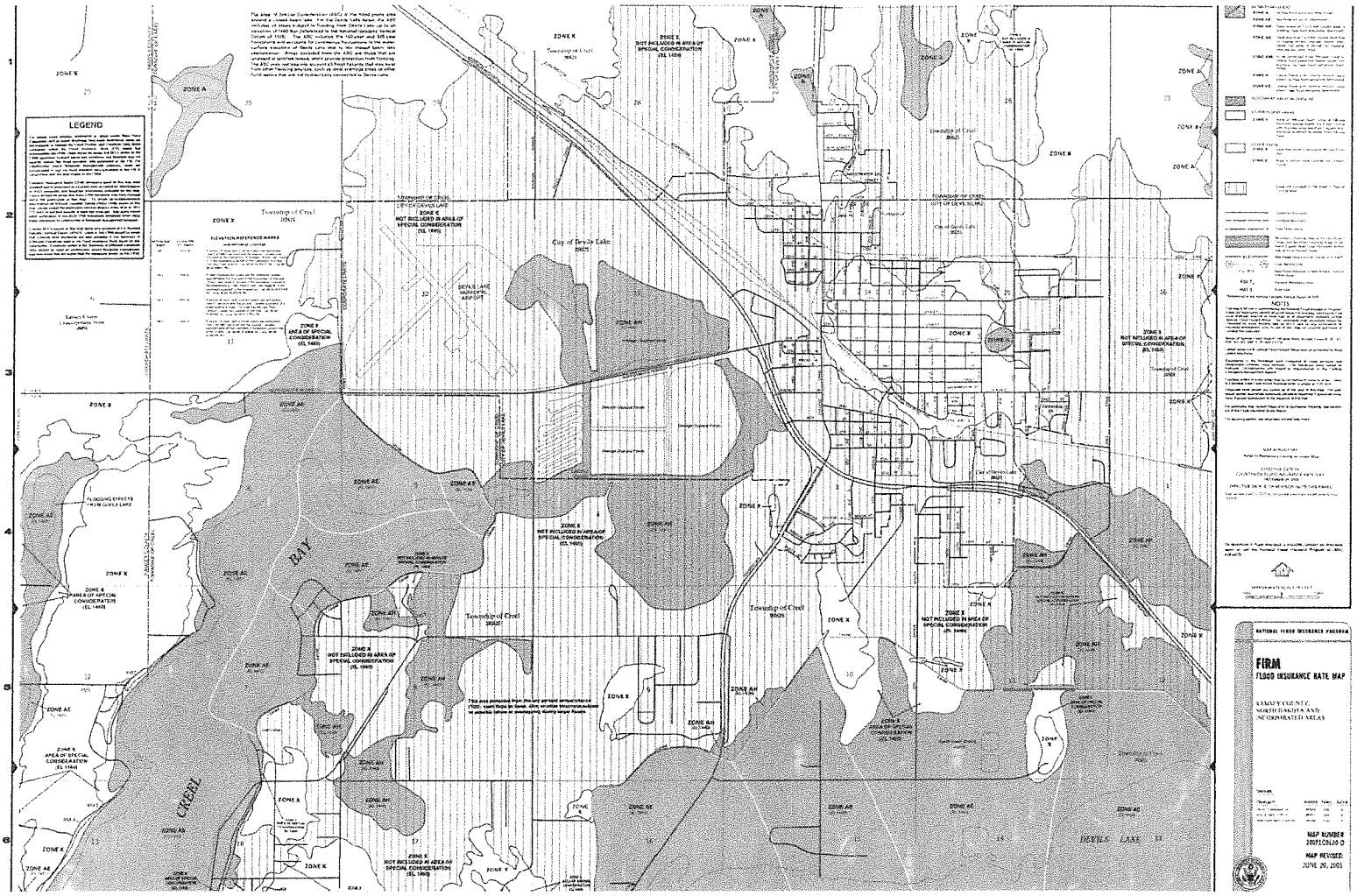
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BENSON COUNTY	380682	0525	D
SPIRIT LAKE NATION	380700	0525	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
38005C0525D


THIS AREA IS SHOWN ON MAP NUMBER 38071C0330
Ramsey County Unincorporated Areas 380092
DEVILS LAKE
LEGEND
NATIONAL FLOOD INSURANCE PROGRAM
FIRM
FLOOD INSURANCE RATE MAP
RAMSEY COUNTY, NORTH DAKOTA AND INCORPORATED AREAS
MAP NUMBER 38071C0350 D
MAP REVISED JUNE 20, 2001


LEGEND
ZONE A
ZONE AE
ZONE AH
ZONE AO
ZONE X
ZONE X AREA OF SPECIAL CONSIDERATION (EL 1440)
ZONE X NOT INCLUDED IN AREA OF SPECIAL CONSIDERATION (EL 1440)
ZONE X NOT INCLUDED IN AREA OF SPECIAL CONSIDERATION (EL 1460)
ZONE X NOT INCLUDED IN AREA OF SPECIAL CONSIDERATION (EL 1470)
ZONE X NOT INCLUDED IN AREA OF SPECIAL CONSIDERATION (EL 1480)
ZONE X NOT INCLUDED IN AREA OF SPECIAL CONSIDERATION (EL 1490)
ZONE X NOT INCLUDED IN AREA OF SPECIAL CONSIDERATION (EL 1498)
Township of Crosl
City of Devils Lake
DEVILS LAKE
CROSBY BAY
NOTES
FIRM
FLOOD INSURANCE RATE MAP
RAMSEY COUNTY, NORTH DAKOTA AND INCORPORATED AREAS
MAP NUMBER
38071C0630 D
MAP REVISED:
JUNE 20, 2001