

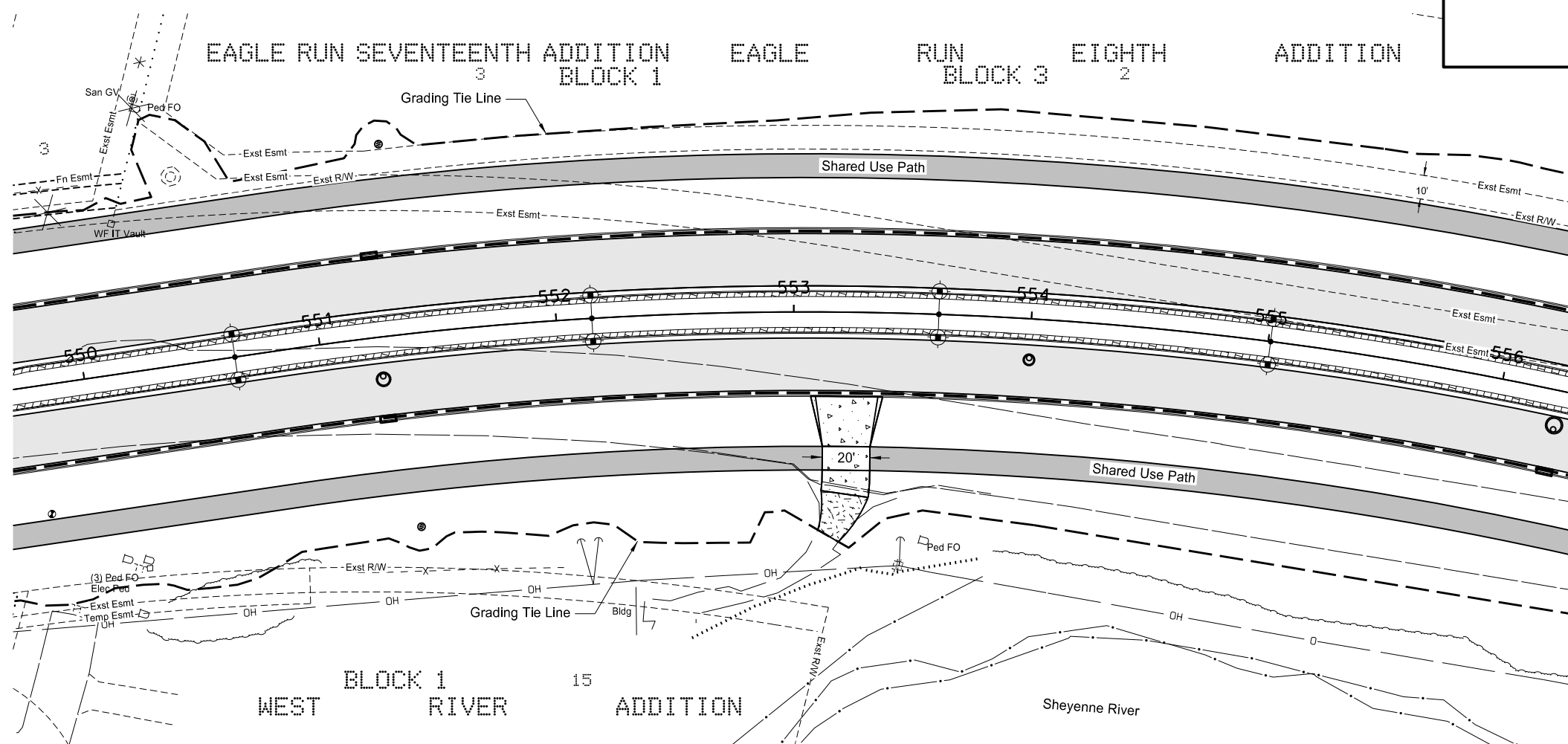
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	60	8

SPEC	CODE	BID	ITEM
------	------	-----	------

QTY UNIT

714 9696 EDGEDRAIN NON PERMEABLE BASE
Sta. 550+00 to 556+00

1,200 LF

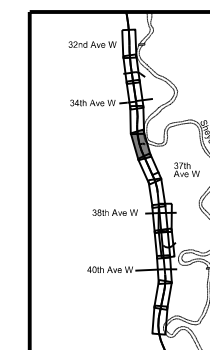
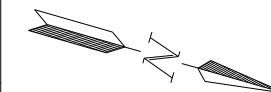


CI Profile Info

[illegible]

LEGEND

- | | | | |
|---|--|---|--|
|  | 10IN PCC
PAVEMENT |  | COMMERCIAL GRADE
HOT MIX ASPHALT |
|  | PIGMENTED
IMPRINTED CONCRETE |  | SUPERPAVE FAA 43 |
|  | AGGREGATE SURFACE
COURSE CL 13 |  | SIDEWALK CONCRETE 5IN
REINF (SHARED USE PATH) |
|  | EDGEDRAIN
(SEE SECTION 20
FOR DETAILS) |  | SIDEWALK CONCRETE REINF
(4IN) |
| | |  | CONCRETE DRIVEWAY 6IN |

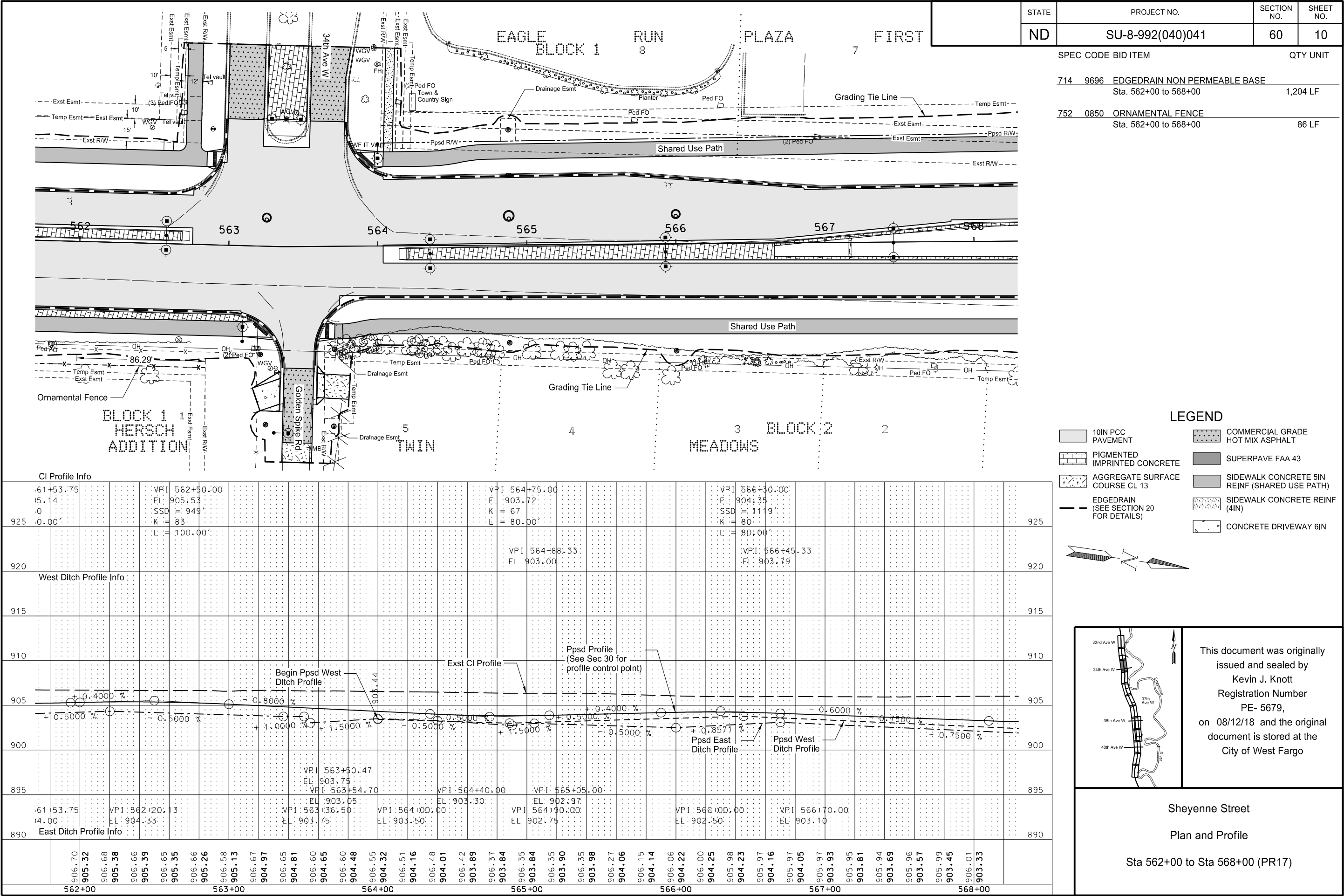


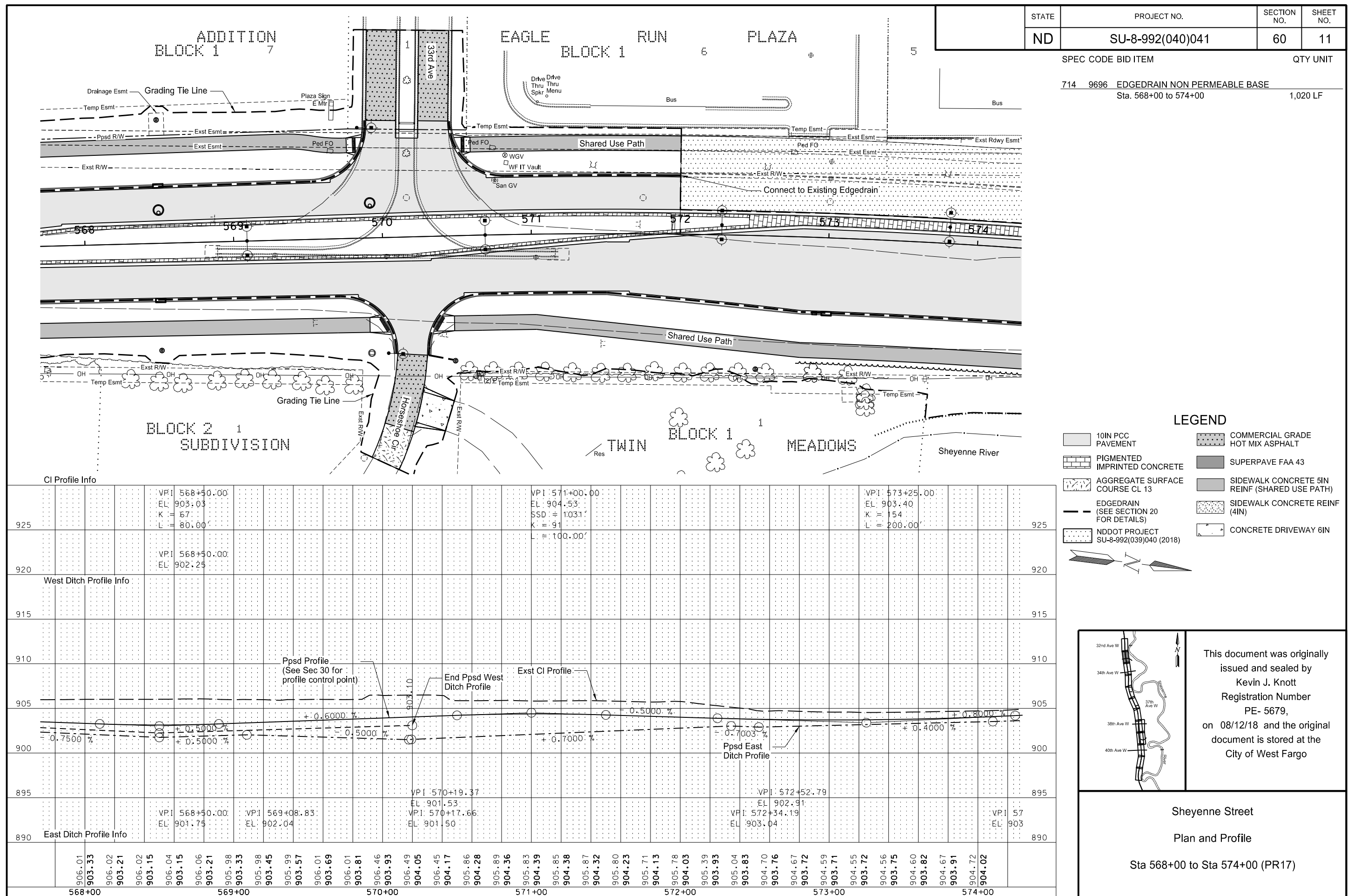
This document was originally
issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original
document is stored at the
City of West Fargo

Sheyenne Street

Plan and Profile

Sta 550+00 to Sta 556+00 (PR17)

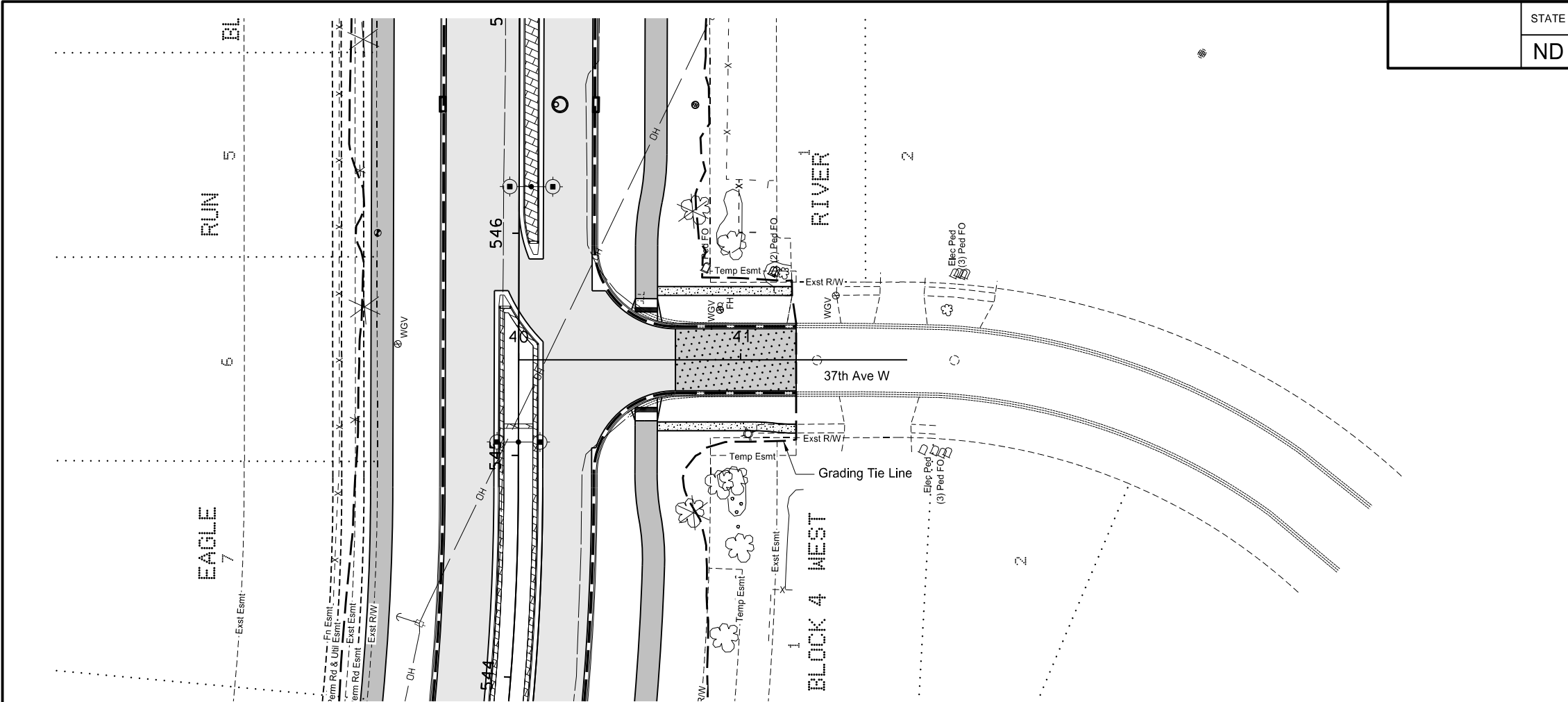




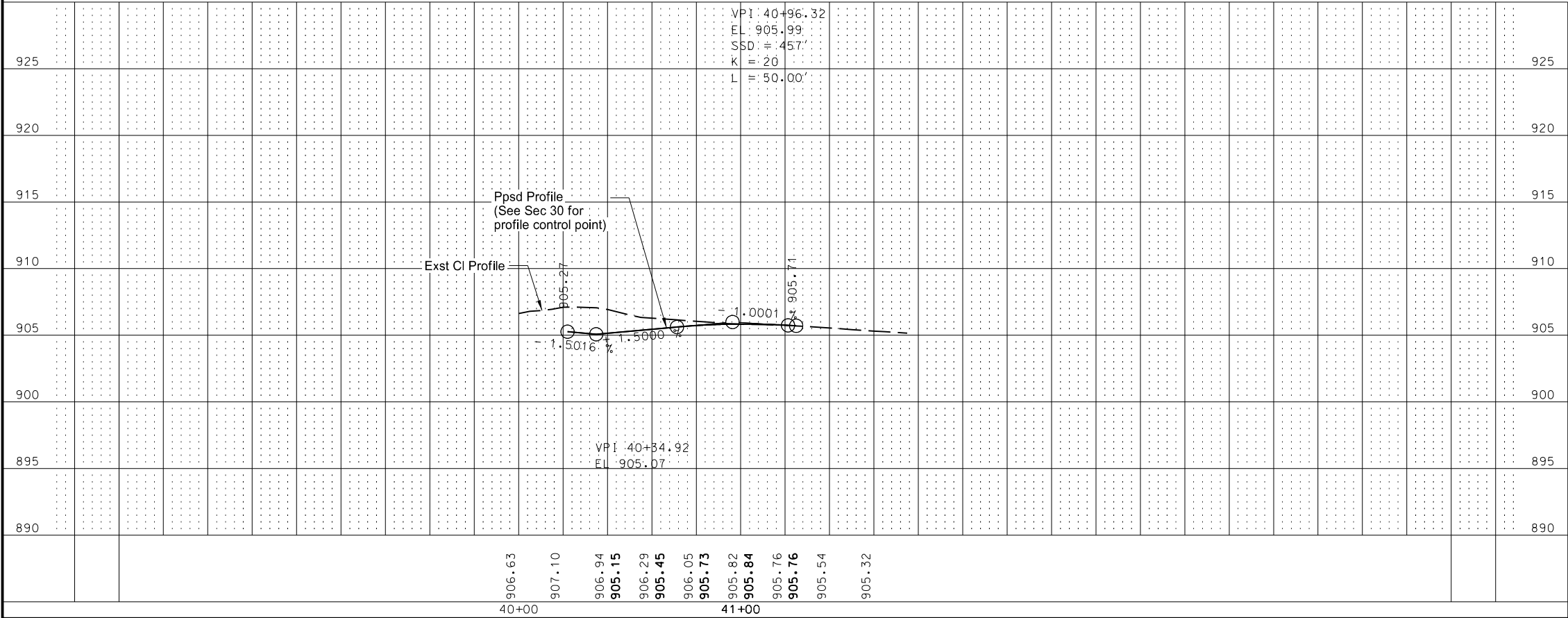




STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	60	19



LEGEND			
	10IN PCC PAVEMENT		COMMERCIAL GRADE HOT MIX ASPHALT
	PIGMENTED IMPRINTED CONCRETE		SUPERPAVE FAA 43
	AGGREGATE SURFACE COURSE CL 13		SIDEWALK CONCRETE 5IN REINF (SHARED USE PATH)
	EDGEDRAIN (SEE SECTION 20 FOR DETAILS)		SIDEWALK CONCRETE REIN (4IN)
			CONCRETE DRIVEWAY 6IN



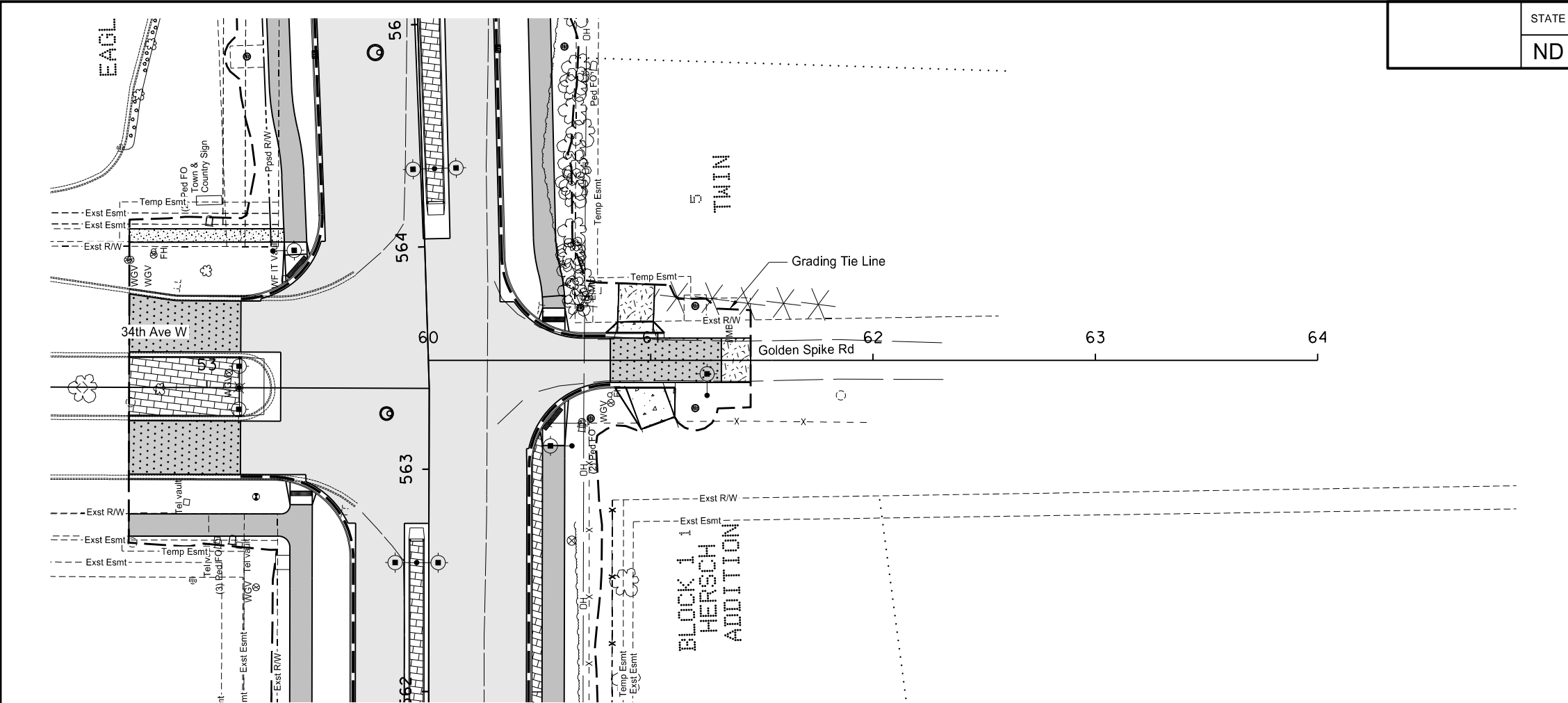
This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

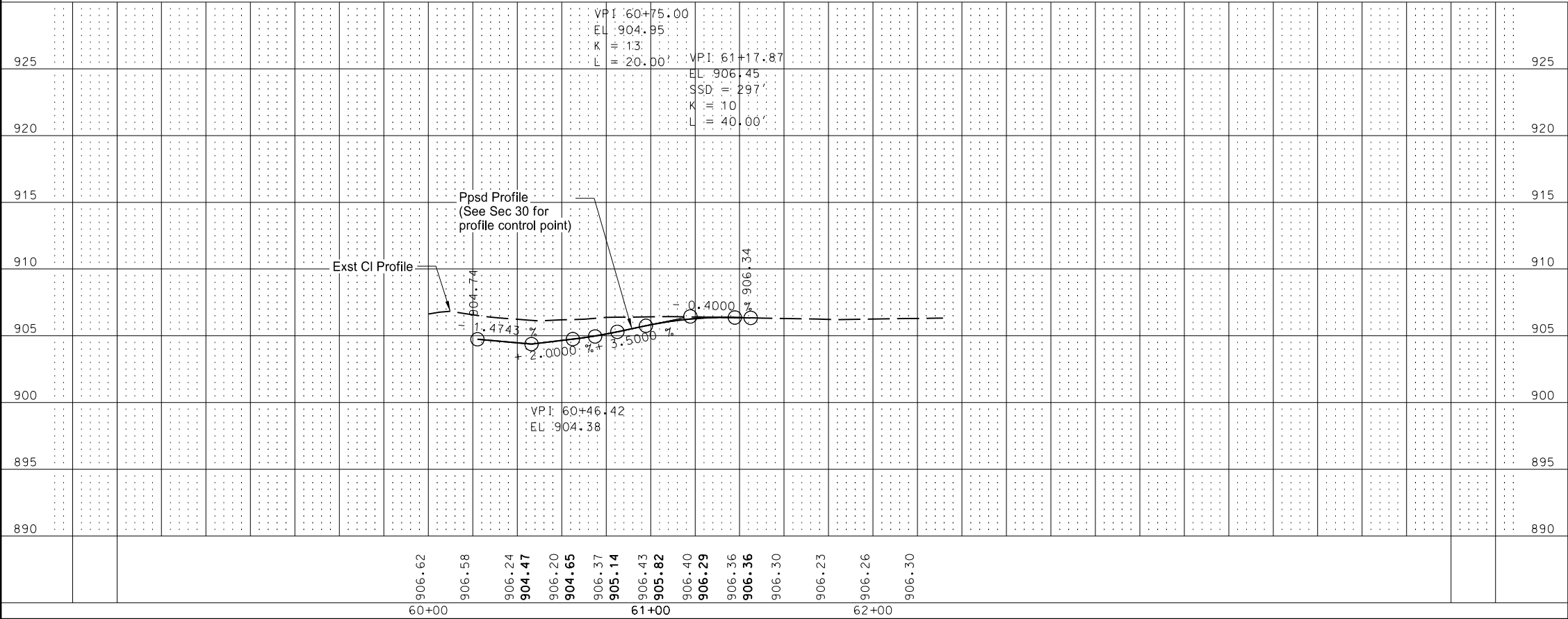
Plan & Profile

37th Ave W
Sta 40+00 to Sta 42+00 (PR37THAVE)

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	60	21



- LEGEND**
- 10IN PCC PAVEMENT
 - PIGMENTED IMPRINTED CONCRETE
 - AGGREGATE SURFACE COURSE CL 13
 - EDGEDRAIN (SEE SECTION 20 FOR DETAILS)
 - COMMERCIAL GRADE HOT MIX ASPHALT
 - SUPERPAVE FAA 43
 - SIDEWALK CONCRETE 5IN REINF (SHARED USE PATH)
 - SIDEWALK CONCRETE REIN (4IN)
 - CONCRETE DRIVEWAY 6IN

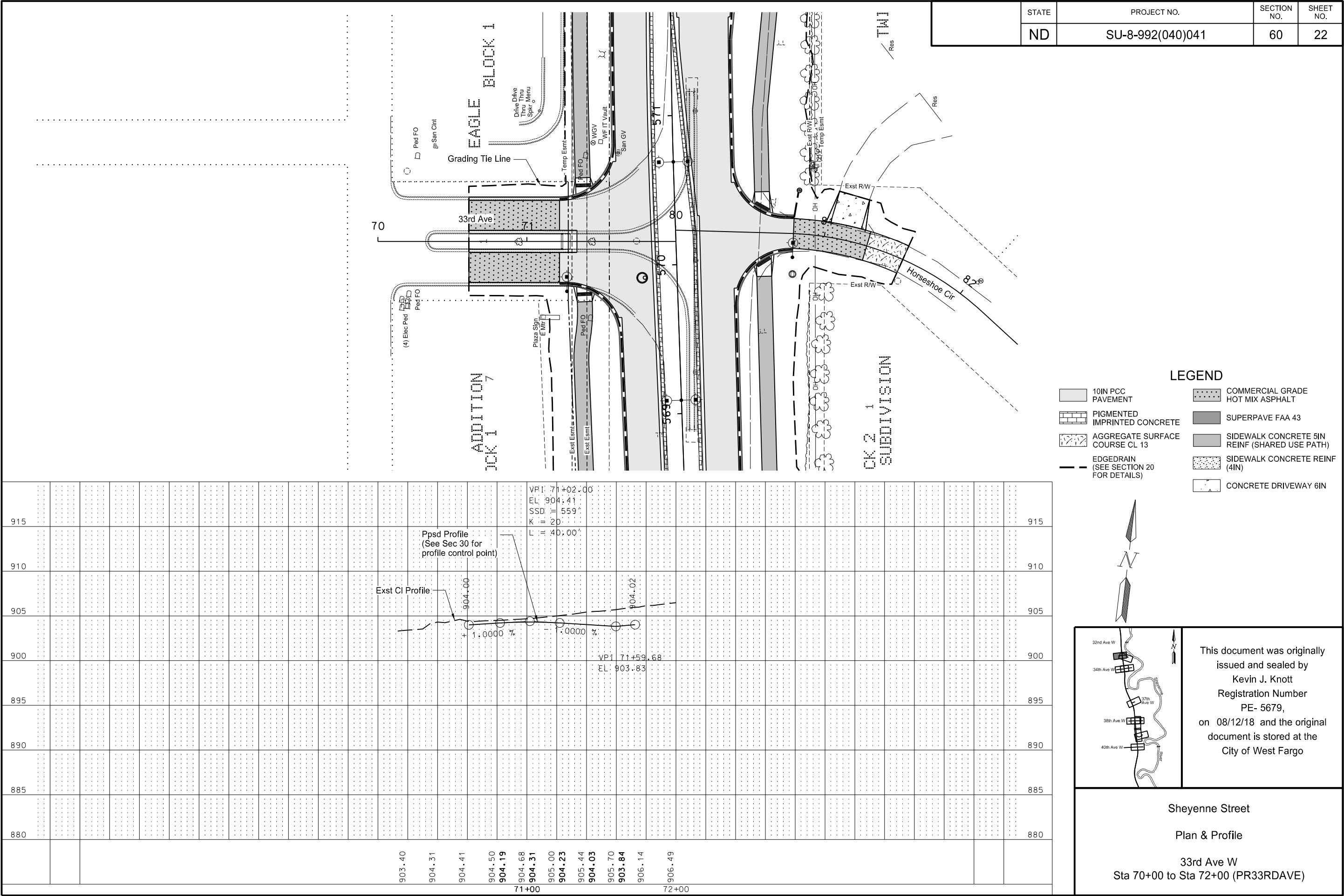


This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

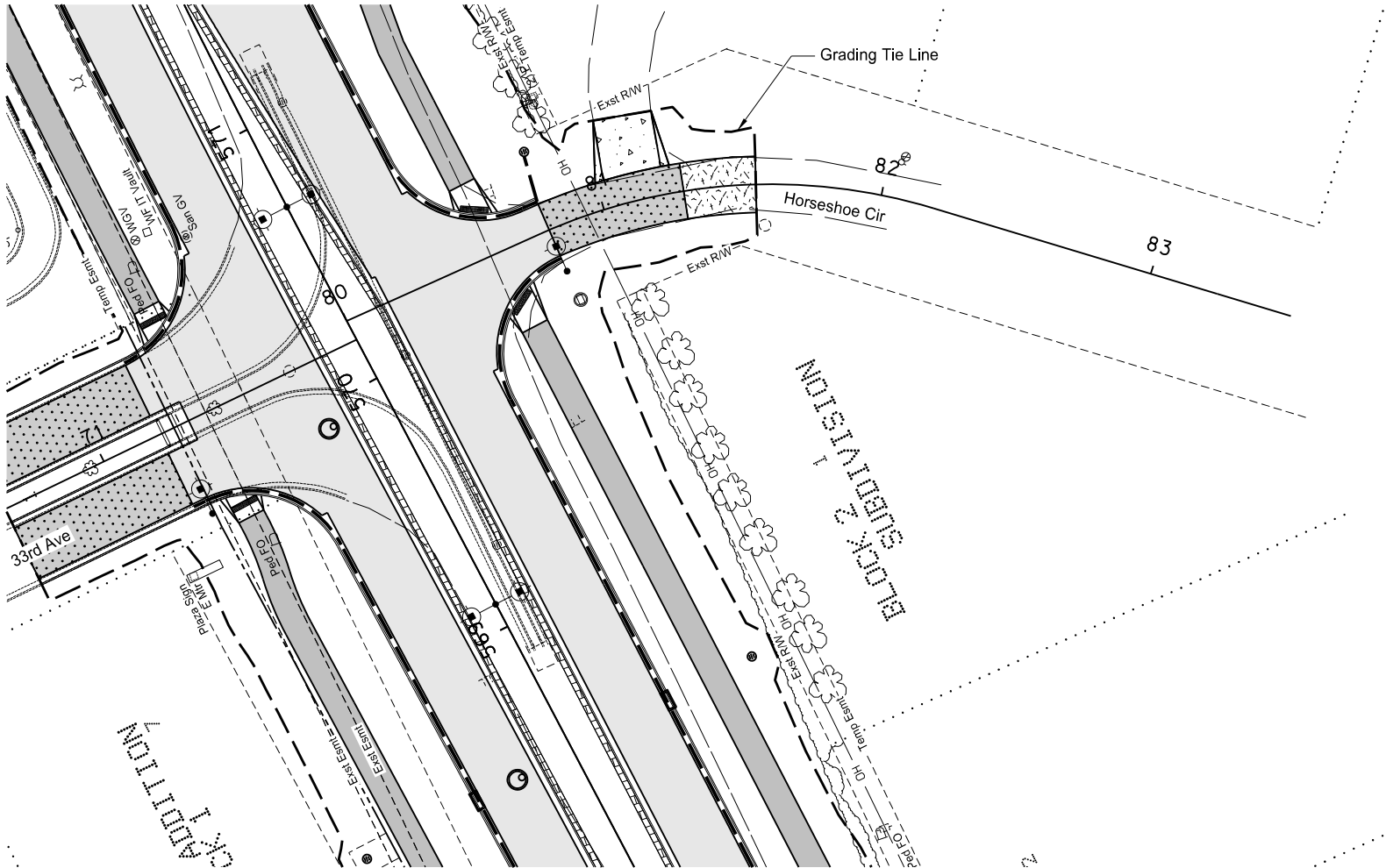
Sheyenne Street

Plan & Profile

Golden Spike Rd
Sta 60+00 to Sta 62+00 (PRGOLDEN)



STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	60	23



LEGEND

- 10IN PCC PAVEMENT

PIGMENTED IMPRINTED CONCRETE

AGGREGATE SURFACE COURSE CL 13

EDGEDRAIN (SEE SECTION 20 FOR DETAILS)

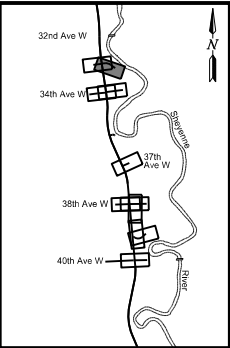
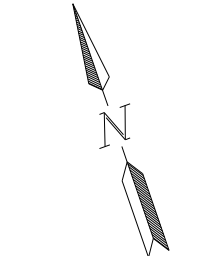
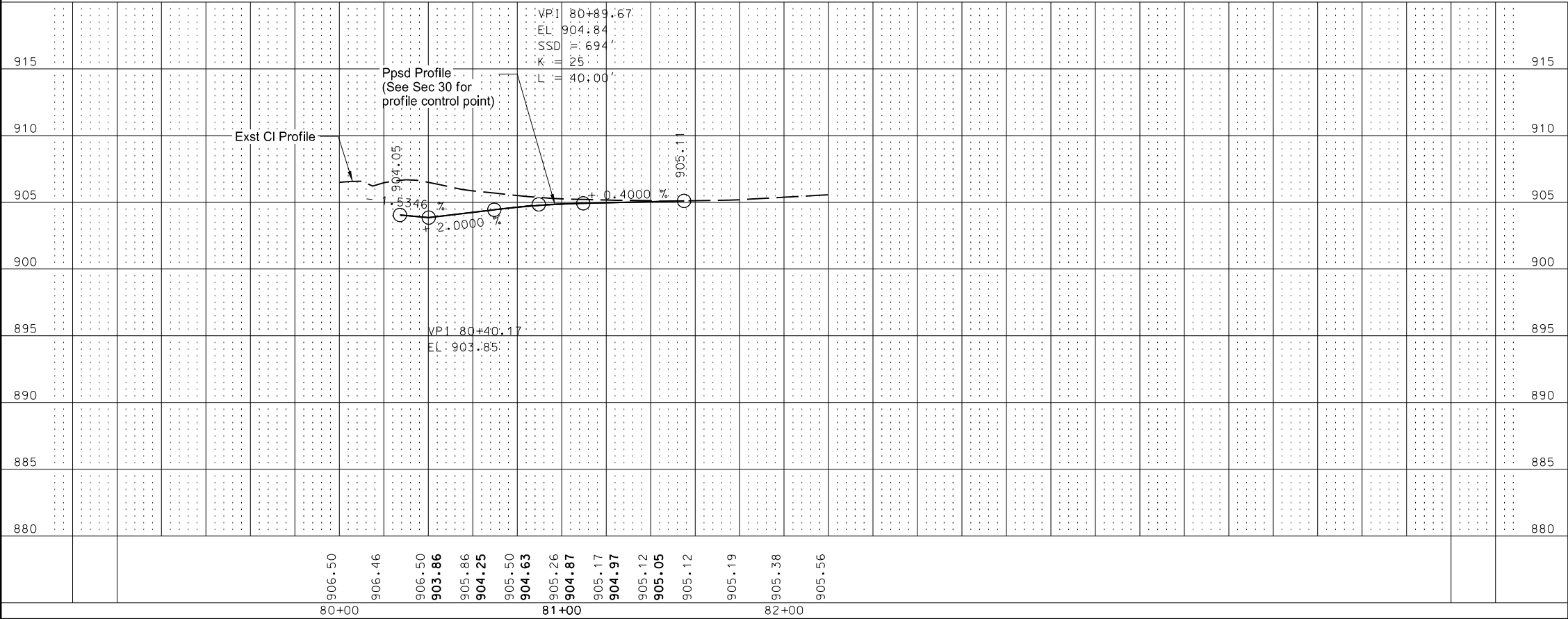
COMMERCIAL GRADE HOT MIX ASPHALT

SUPERPAVE FAA 43

SIDEWALK CONCRETE 5IN REINF (SHARED USE PATH)

SIDEWALK CONCRETE REINF (4IN)

CONCRETE DRIVEWAY 6IN

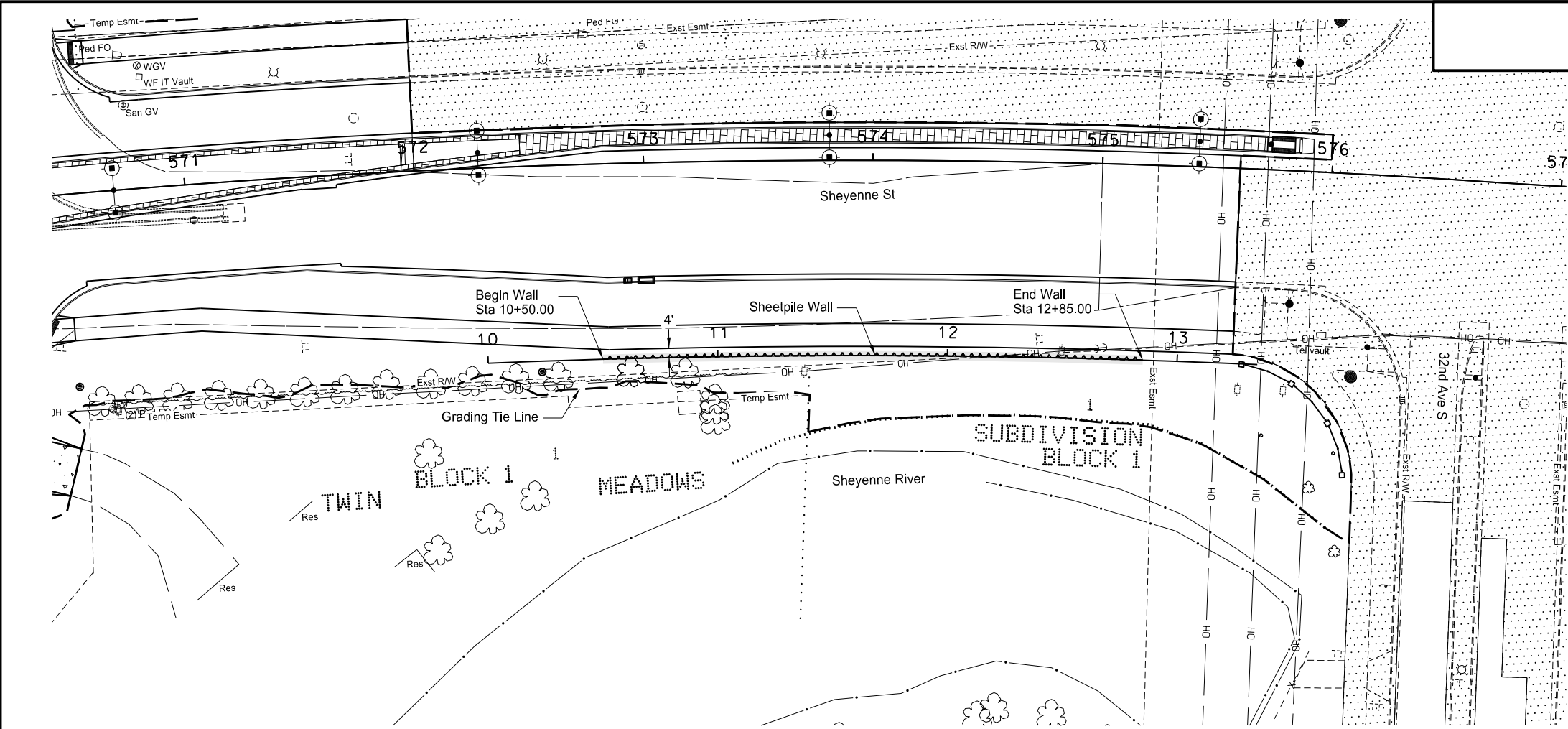


This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

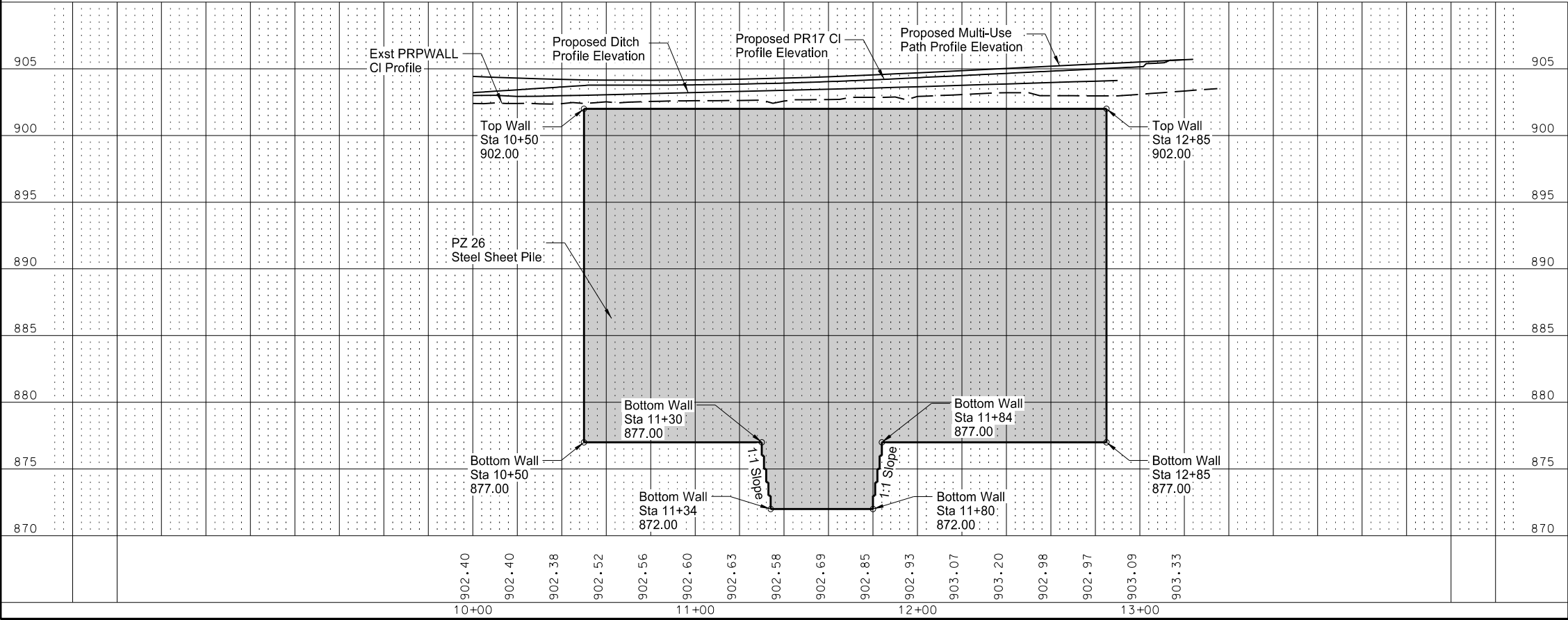
Sheyenne Street

Plan & Profile

Horseshoe Cir
Sta 80+00 to Sta 82+00 (PRHORSESHOE)



STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	60	24
SPEC CODE BID ITEM		QTY UNIT	
622	6760 STEEL SHEET PILING		
Sta. 10+50 to 12+85 - 0		6,125 SF	



LEGEND

10IN PCC PAVEMENT

PIGMENTED IMPRINTED CONCRETE

AGGREGATE SURFACE COURSE CL 13

EDGEDRAIN (SEE SECTION 20 FOR DETAILS)

NDDOT PROJECT SU-8-992(039)040 (2018)

COMMERCIAL GRADE HOT MIX ASPHALT

SUPERPAVE FAA 43

SIDEWALK CONCRETE 5IN REINF (SHARED USE PATH)

SIDEWALK CONCRETE REINF (4IN)

CONCRETE DRIVEWAY 6IN

This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street
Plan and Profile
Sta 10+00 to Sta 13+00 (PRPWALL)

8/12/2018 7:24:28 PM jesse.ellefson U:\PROJECTS\18978D\Design\Plan\060PP_024_Sheetpile.dgn

SU-8-992(040)041 Wetland Impact Table															
Wetland Number	Location	Wetland Feature	USACE Jurisdictional Wetlands ¹	Wetland Impacts Acre(s)		Wetland Mitigation									
						Mitigation Required		USACE/11990 Bank		11990 Bank		Onsite			
				Temp.	Perm.	EO 11990	USACE	Location	Acre(s)	Location	Acre(s)	Mitigation Location; Ratio	Acre(s)	Constructed Site #	Acre(s)
25	Sec. 31, T139N, R49W	Artificial	Yes	0.28	-	N	N	-	-	-	-	-	-	-	-
26	Sec. 31, T139N, R49W	Artificial	Yes	-	-	N	N	-	-	-	-	-	-	-	-
3e	Sec. 31, T139N, R49W	Natural	No	-	-	N	N	-	-	-	-	-	-	-	-
3f	Sec. 30, T139N, R49W	Natural	No	-	-	N	N	-	-	-	-	-	-	-	-
3h	Sec. 30, T139N, R49W	Natural	No	-	-	N	N	-	-	-	-	-	-	-	-
5e	Sec. 31, T139N, R49W	Artificial	No	-	0.27	N	N	-	-	-	-	-	-	-	-
5g	Sec. 32, T139N, R49W	Artificial	No	0.07	0.33	N	N	-	-	-	-	-	-	-	-
5h	Sec. 29, T139N, R49W	Artificial	No	-	0.11	N	N	-	-	-	-	-	-	-	-
5i	Sec. 30, T139N, R49W	Artificial	No	-	0.48	N	N	-	-	-	-	-	-	-	-
5j	Sec. 29, T139N, R49W	Artificial	No	-	0.41	N	N	-	-	-	-	-	-	-	-
5k	Sec. 30, T139N, R49W	Artificial	No	-	0.68	N	N	-	-	-	-	-	-	-	-
5l	Sec. 29, T139N, R49W	Artificial	No	-	0.39	N	N	-	-	-	-	-	-	-	-
5m	Sec. 30, T139N, R49W	Artificial	No	-	0.02	N	N	-	-	-	-	-	-	-	-
5n	Sec. 30, T139N, R49W	Artificial	No	-	0.32	N	N	-	-	-	-	-	-	-	-
5o	Sec. 30, T139N, R49W	Artificial	No	-	0.15	N	N	-	-	-	-	-	-	-	-
6	Sec. 29, T139N, R49W	Artificial	No	-	0.07	N	N	-	-	-	-	-	-	-	-
7	Sec. 30, T139N, R49W	Natural	No	-	-	N	N	-	-	-	-	-	-	-	-
8	Sec. 30, T139N, R49W	Artificial	No	-	0.17	N	N	-	-	-	-	-	-	-	-
9a	Sec. 30, T139N, R49W	Artificial	No	0.01	0.02	N	N	-	-	-	-	-	-	-	-
9b	Sec. 30, T139N, R49W	Artificial	No	0.01	0.02	N	N	-	-	-	-	-	-	-	-
Totals				0.37	3.44				-			-	-		-

This document was originally issued and sealed by Kevin J. Knott Registration Number PE-5679, on 08/12/2018 and the original document is stored at the City of West Fargo

Sheyenne Street
Wetlands Mitigation and Environmental

SU-8-992(040)041 Other Waters Impact Table												
Other Waters										Other Water Mitigation		
Other Waters Number	Location	Type	Size		Feature	USACE Jurisdictional ¹	Impacts to Other Waters				Mitigation Required	
			Acre(s)	Linear Feet			Acre(s)		Linear Feet		EO 11990	USACE
							Temp	Perm	Temp	Perm		
OW 3i	Sec. 30, T139N, R49W	Sheyenne River	014	326	Natural	Yes	-	-	-	-	N	N
OW 3g	Sec. 30, T139N, R49W	Sheyenne River	0.27	442	Natural	Yes	-	-	-	-	N	N
Totals			0.41	768			-	-	-	-		

¹ A wetland Jurisdictional Determination was issued by the USACE on 4/03/2017; NWO-2009-02768-BIS.

² 1199 Mitigation requirements - All impacts to natural wetlands (natural/jurisdictional and natural/non-jurisdictional), regardless of size, as well as impacts greater than 0.10 acre to wetlands require mitigation. USACE Mitigation Requirements – All jurisdictional impacts greater than 0.10 acre to each resource (cumulative. eg 1a ,1b,1c..etc.) requires mitigation. Other Water impact greater than 300 linear feet requires mitigation.

³ All artificial/non-jurisdictional, deep water (impacts greater than 6.6 feet), Other Waters less than 300 linear feet (determined by the USACE on a case by case), and temporary impacts do not require mitigation.

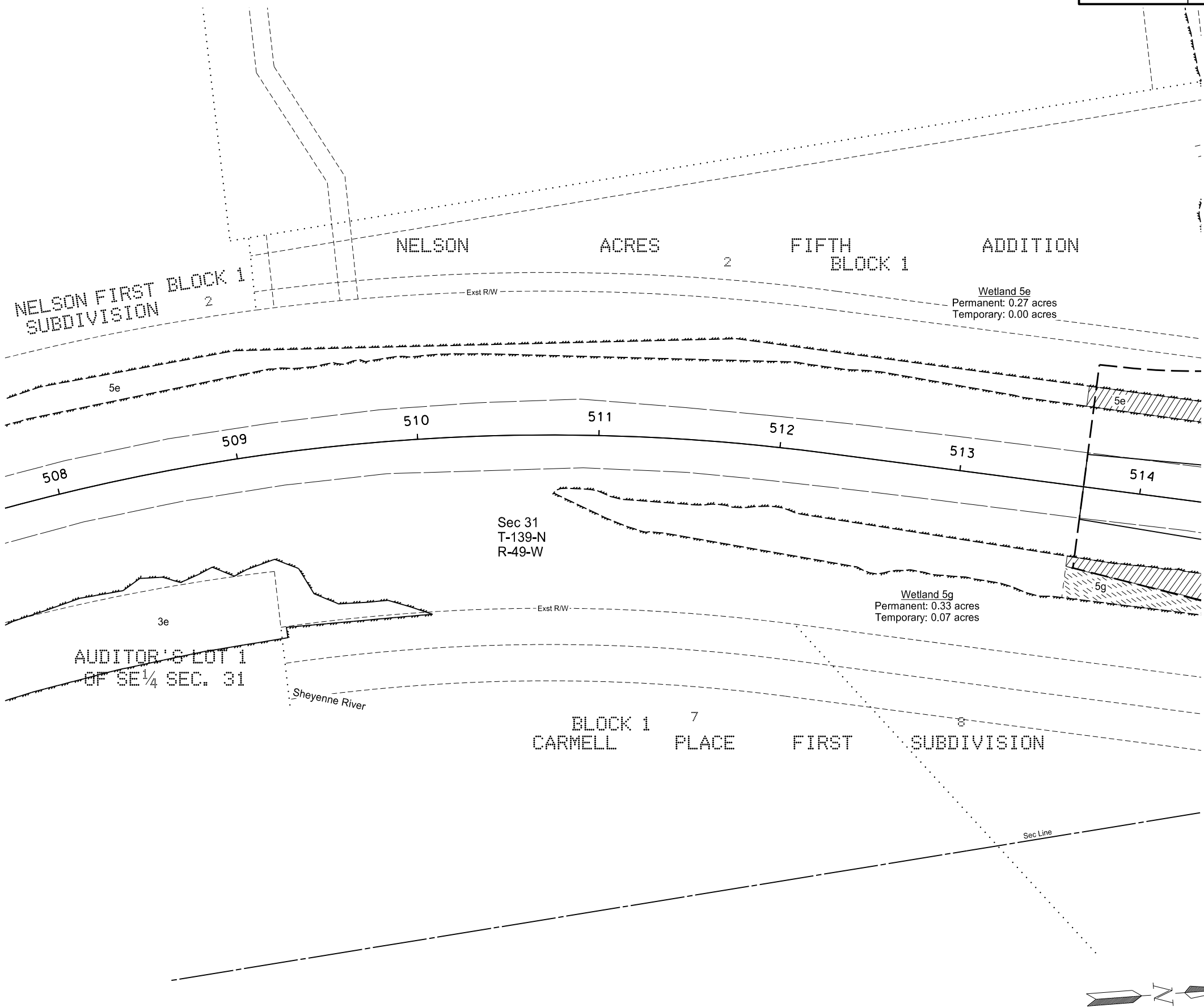
SU-8-992(040)041 Impact Summary Table			
Permanent Impact Summary		Temporary Impacts and additional information	
Wetland Type	Total (Acres)	Wetland Type	Total (Acres/Lf)
Natural/JD	-	Temporary JD	-
Natural/Non-JD	-	Non-JD Temporary	0.37
Artificial/JD	-	Permanent JD > 0.10	-
Artificial /Non-JD	3.44	Permanent OW	-
Total	3.44	Temporary OW	-

SU-8-992(040)041 Mitigation Summary Table					
	Location	Onsite Acre(s)	11990 Bank Acre(s)	USACE/11990 Bank Acre(s)	USFWS Bank Acre(s)
USACE Only	N/A	-			
EO 11990 Only	N/A	-	-		
USACE/11990	N/A	-			
USFWS	N/A				-
	Total	-	-	-	-

This document was originally issued and sealed by Kevin J. Knott Registration Number PE-5679, on 08/12/2018 and the original document is stored at the City of West Fargo

Sheyenne Street
Wetlands Mitigation and Environmental

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	75	3



LEGEND

- Wetland Delineated Exst
- Grading Tie Line
- Wetland Impacts Temporary
- Wetland Impacts Permanent

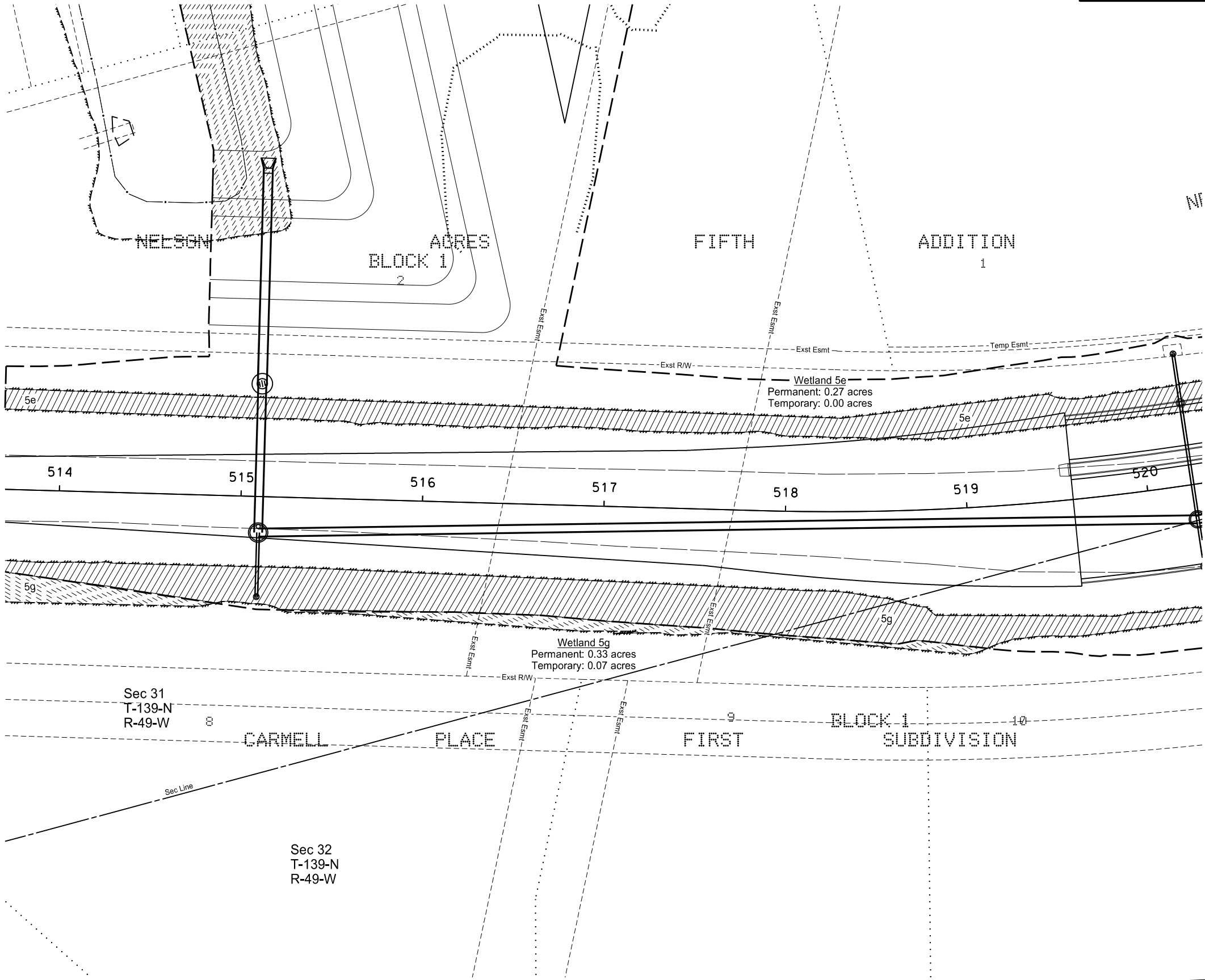
This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Wetland Impacts

Sta 508+00 to Sta 514+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	75	4



LEGEND

- Wetland Delineated Exst
- Grading Tie Line
- Wetland Impacts Temporary
- Wetland Impacts Permanent

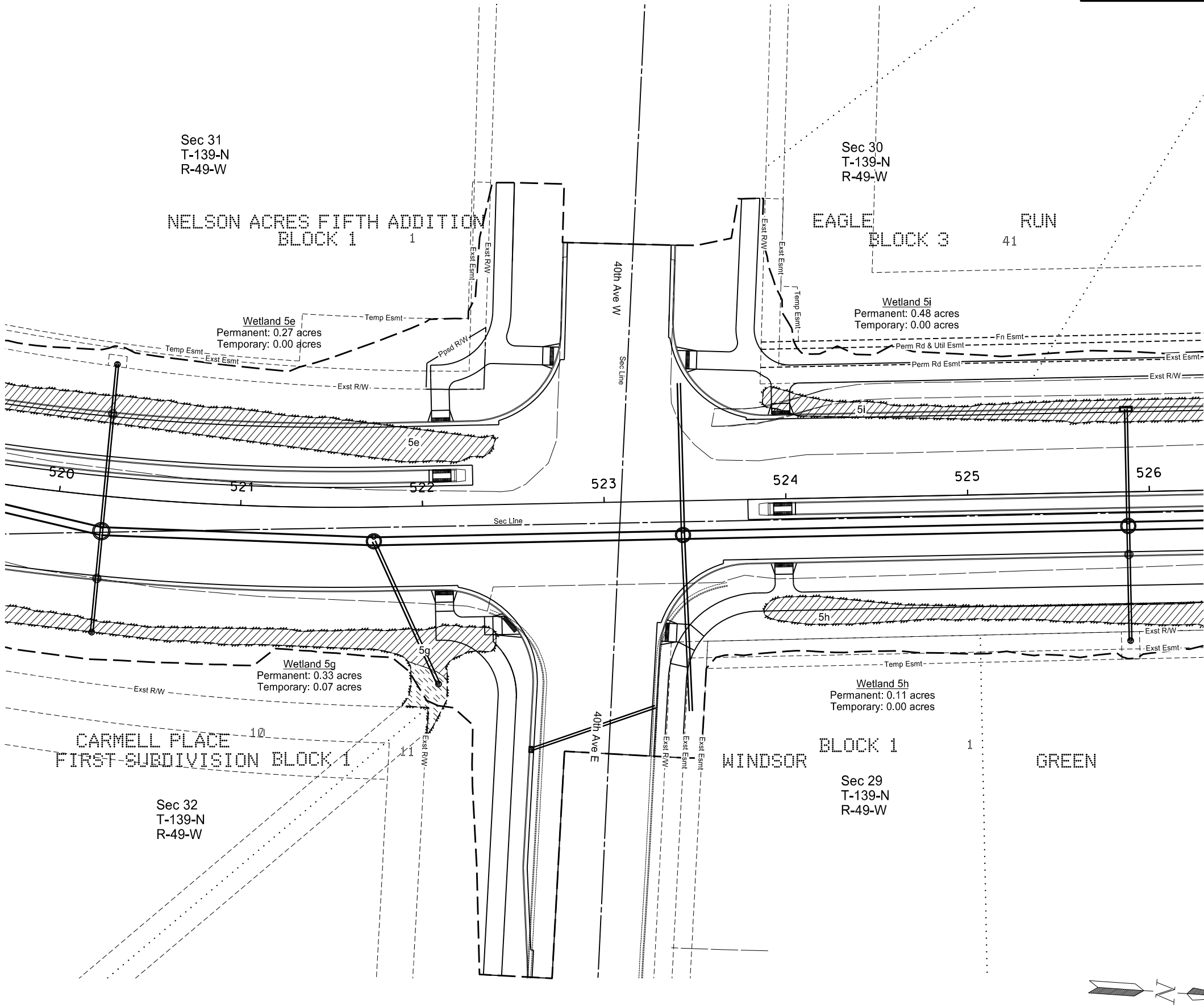
This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Wetland Impacts

Sta 514+00 to Sta 520+00 (PR17)

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	75	5



LEGEND

- Wetland Delineated Exst
- Grading Tie Line
- Wetland Impacts Temporary
- Wetland Impacts Permanent

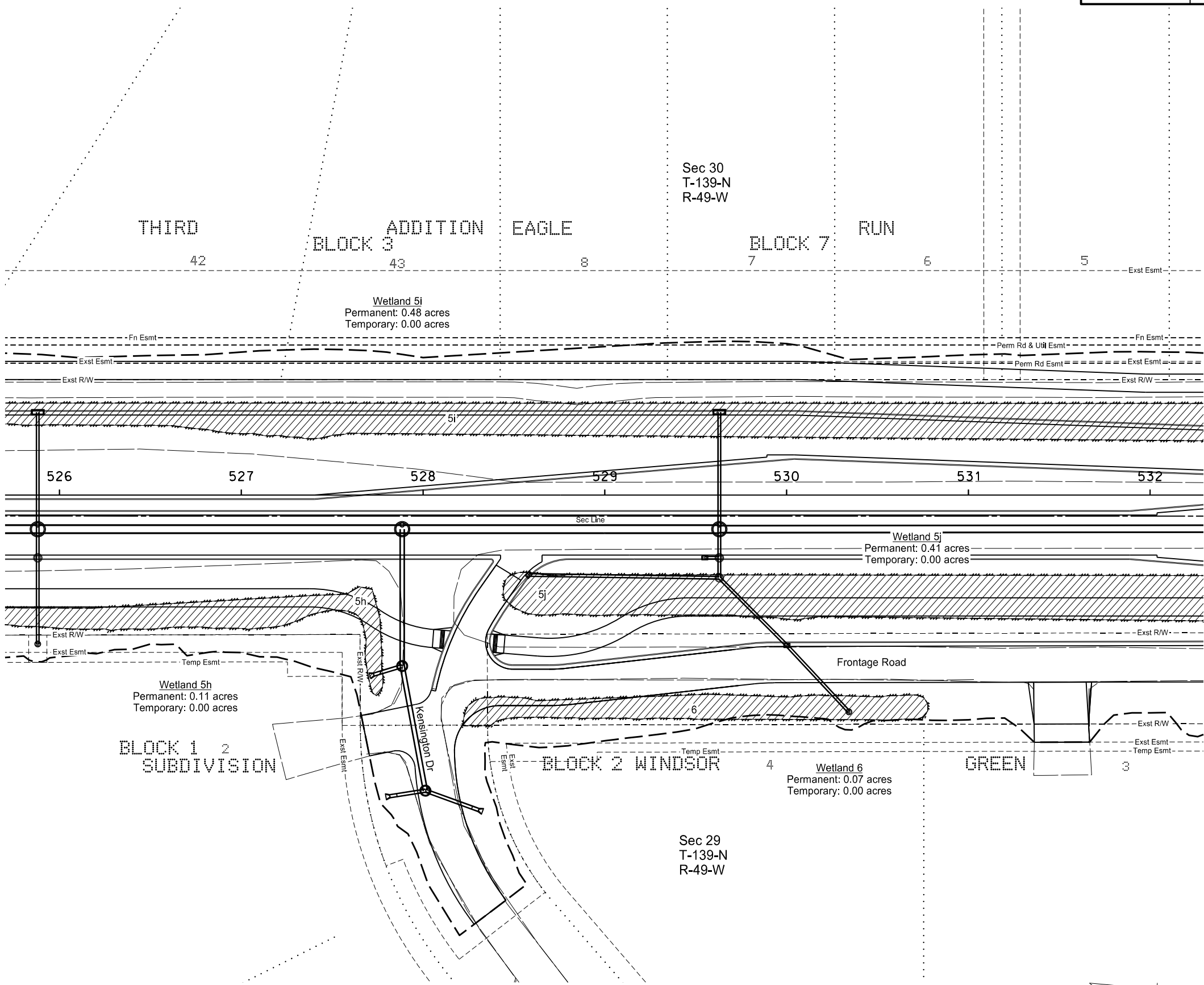
This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Wetland Impacts

Sta 520+00 to Sta 526+00 (PR17)

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	75	6



LEGEND

- Wetland Delineated Exst
- Grading Tie Line
- Wetland Impacts Temporary
- Wetland Impacts Permanent

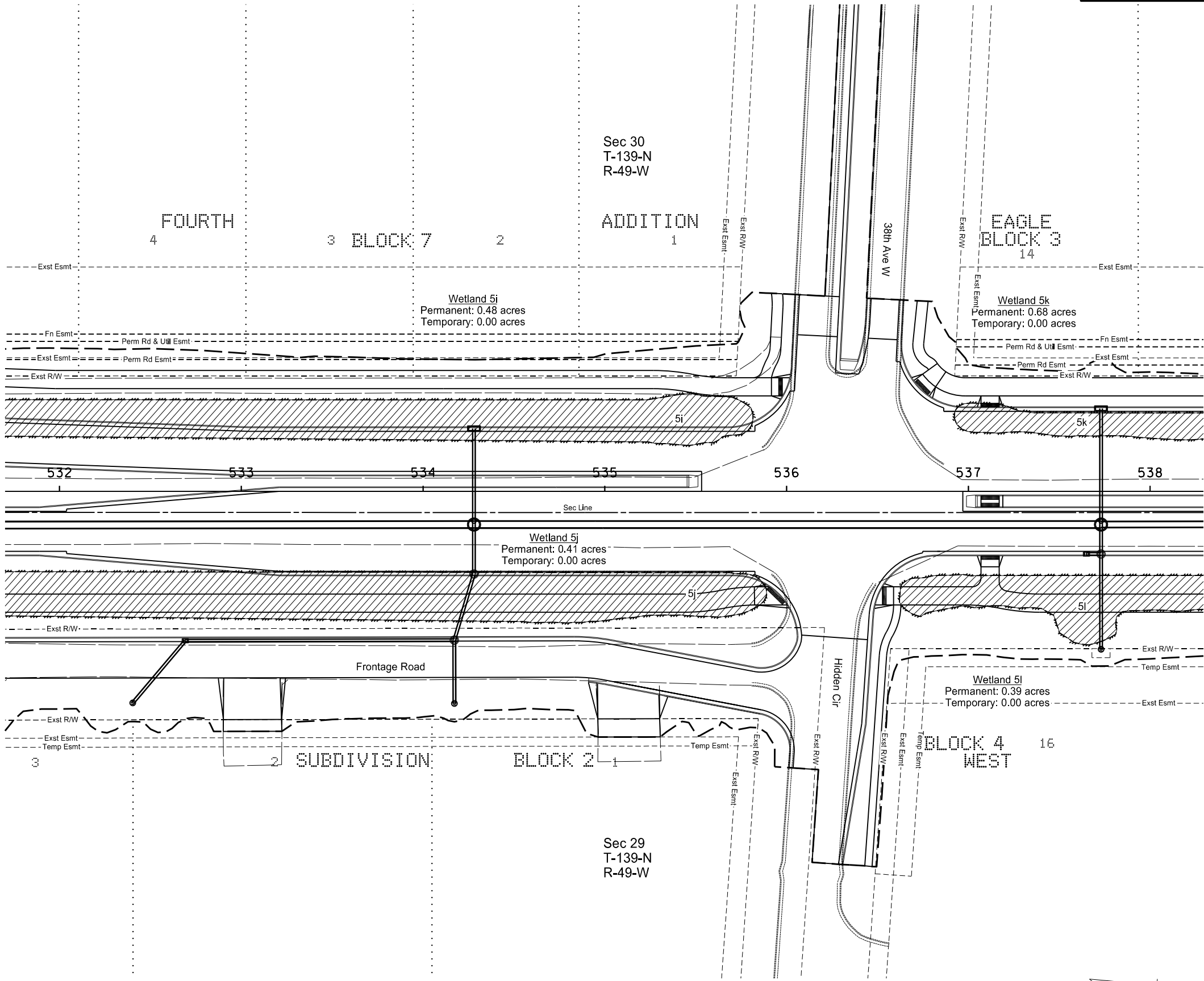
This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Wetland Impacts

Sta 526+00 to Sta 532+00 (PR17)

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	75	7



LEGEND

- Wetland Delineated Exst
- Grading Tie Line
- Wetland Impacts Temporary
- Wetland Impacts Permanent

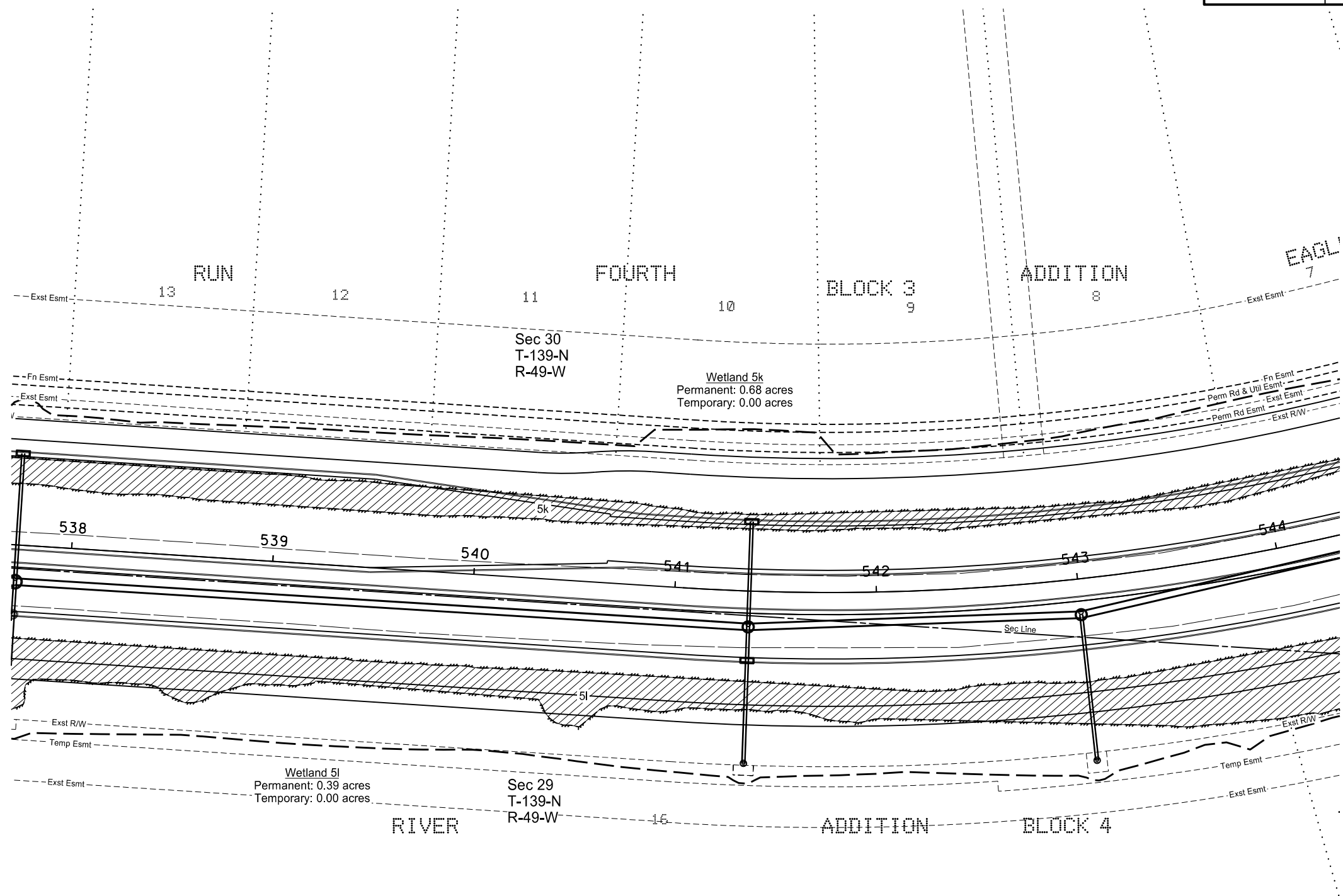
This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Wetland Impacts

Sta 532+00 to Sta 538+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	75	8



LEGEND

- Wetland Delineated Exst
- Grading Tie Line
- Wetland Impacts Temporary
- Wetland Impacts Permanent

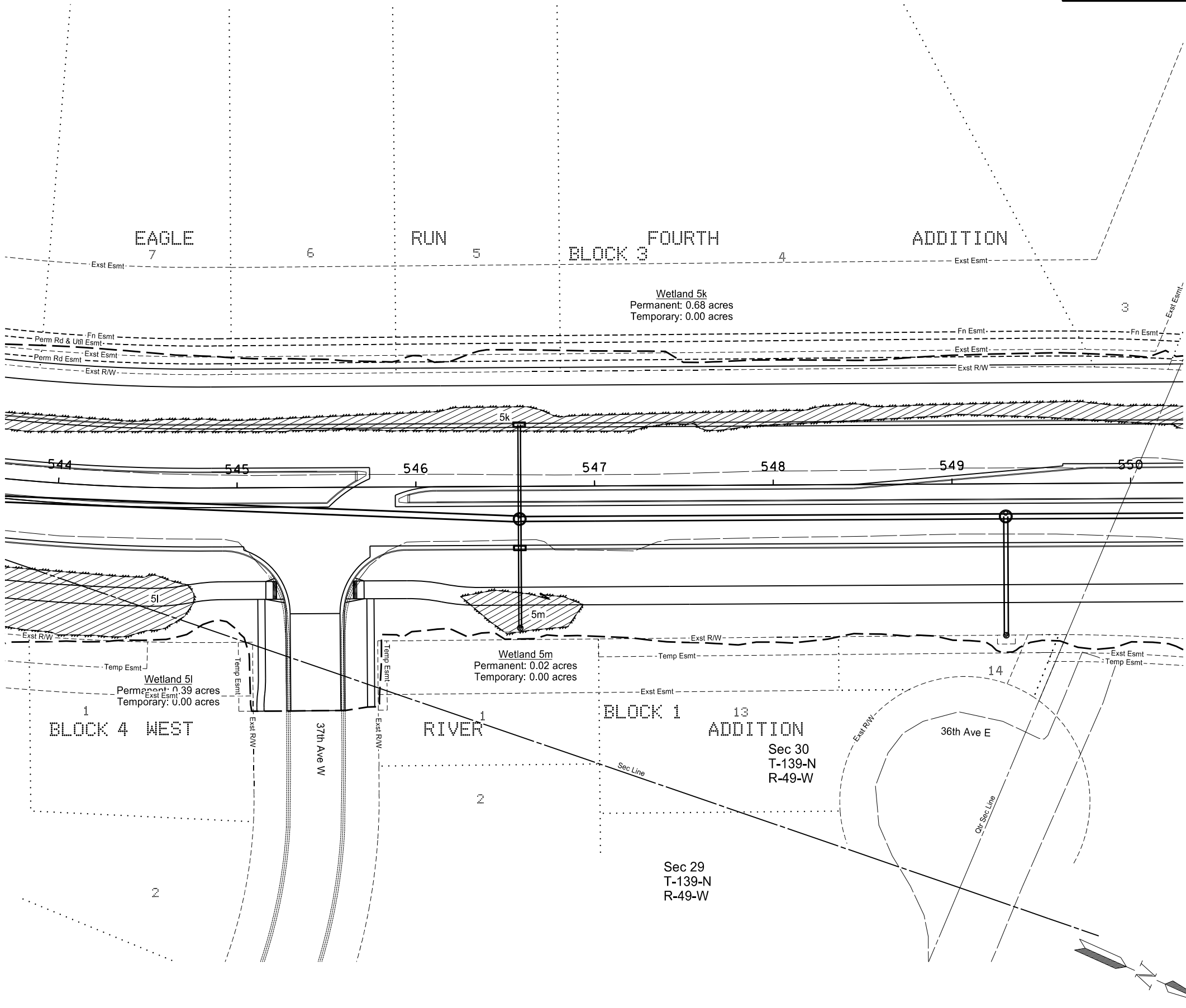
This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Wetland Impacts

Sta 538+00 to Sta 544+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	75	9



LEGEND

- Wetland Delineated Exst
- Grading Tie Line
- Wetland Impacts Temporary
- Wetland Impacts Permanent

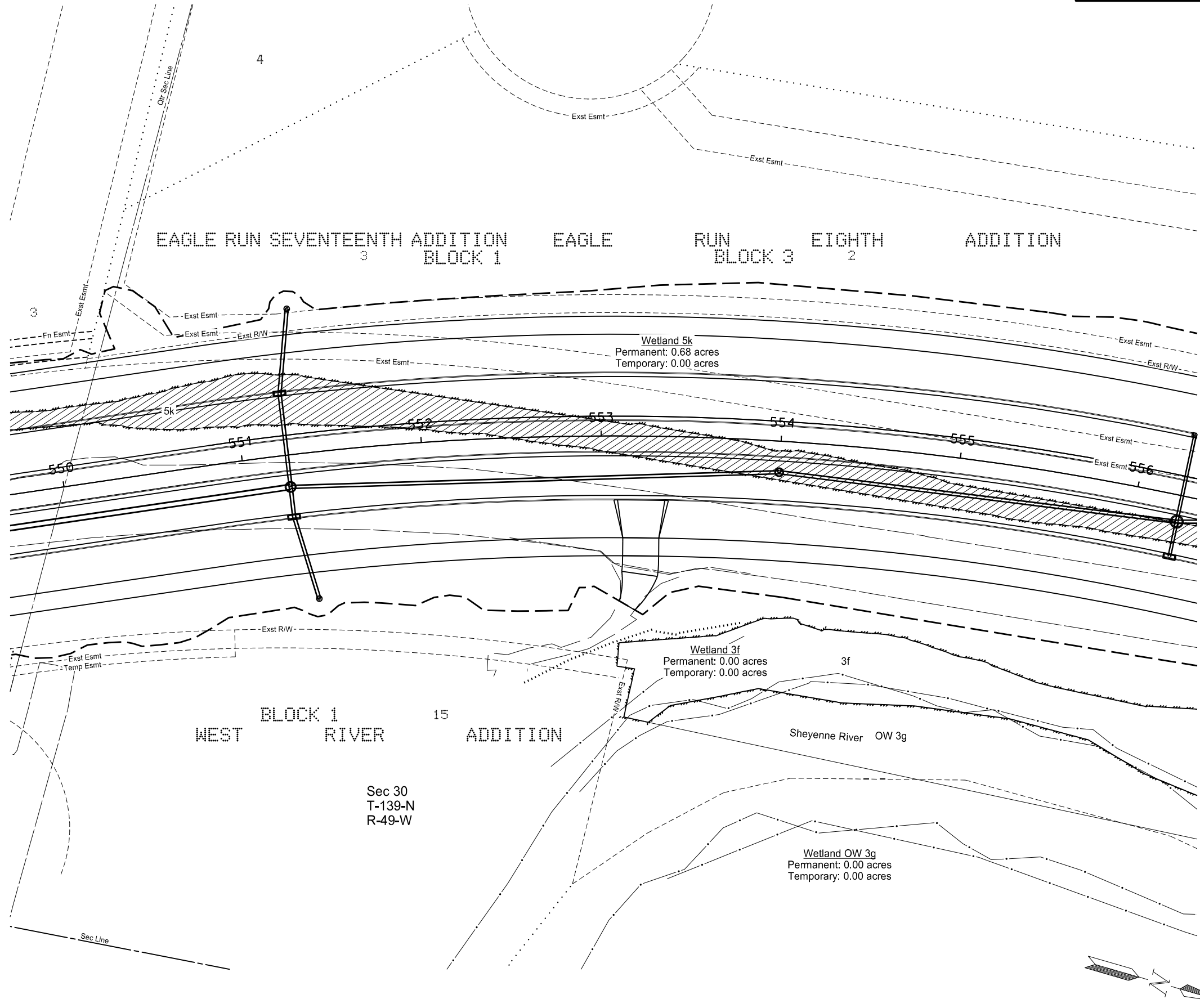
This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Wetland Impacts

Sta 544+00 to Sta 550+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	75	10



LEGEND

- Wetland Delineated Exst
- Grading Tie Line
- Wetland Impacts Temporary
- Wetland Impacts Permanent

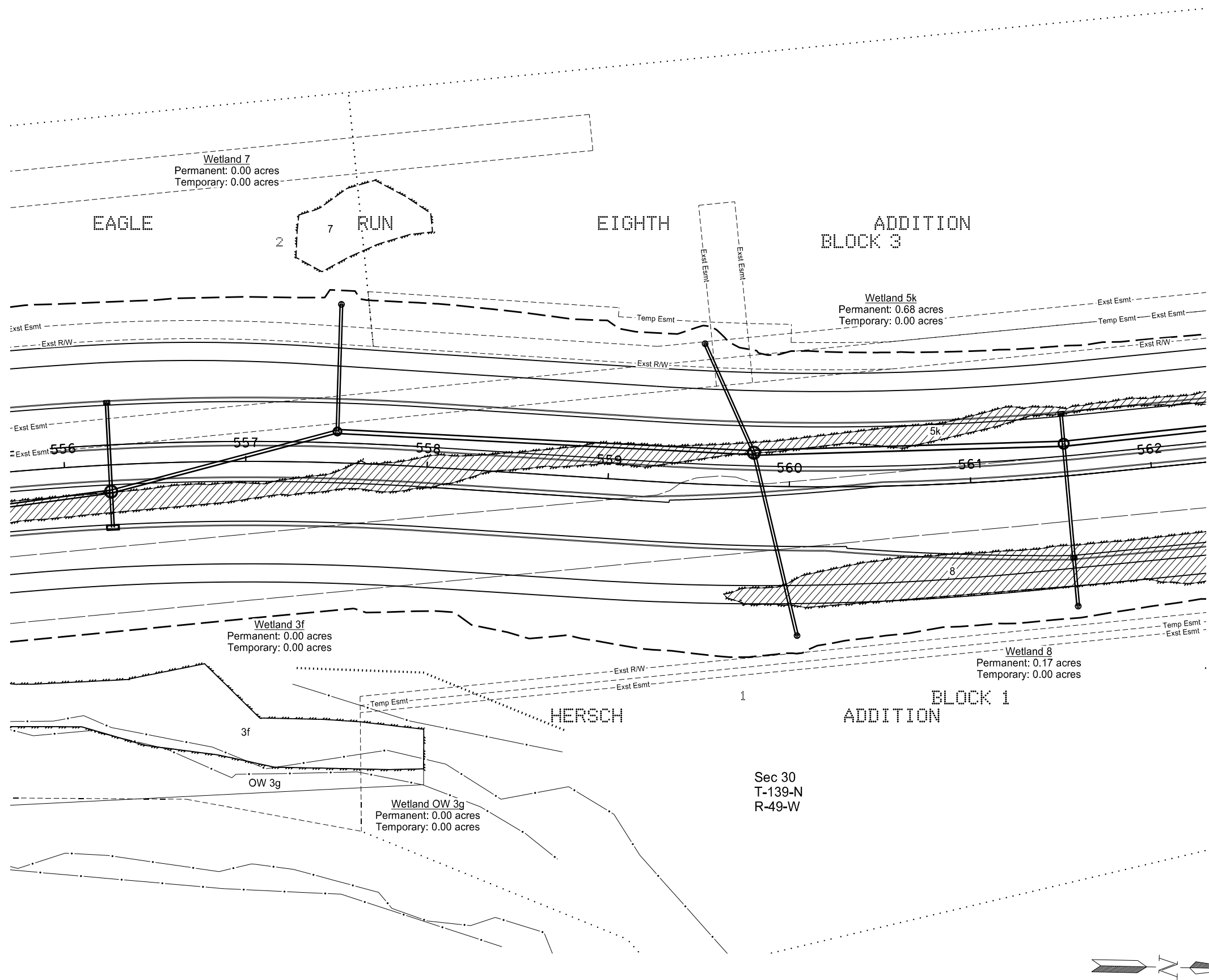
This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Wetland Impacts

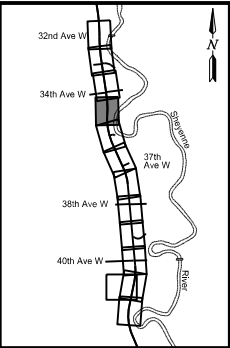
Sta 550+00 to Sta 556+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	75	11



LEGEND

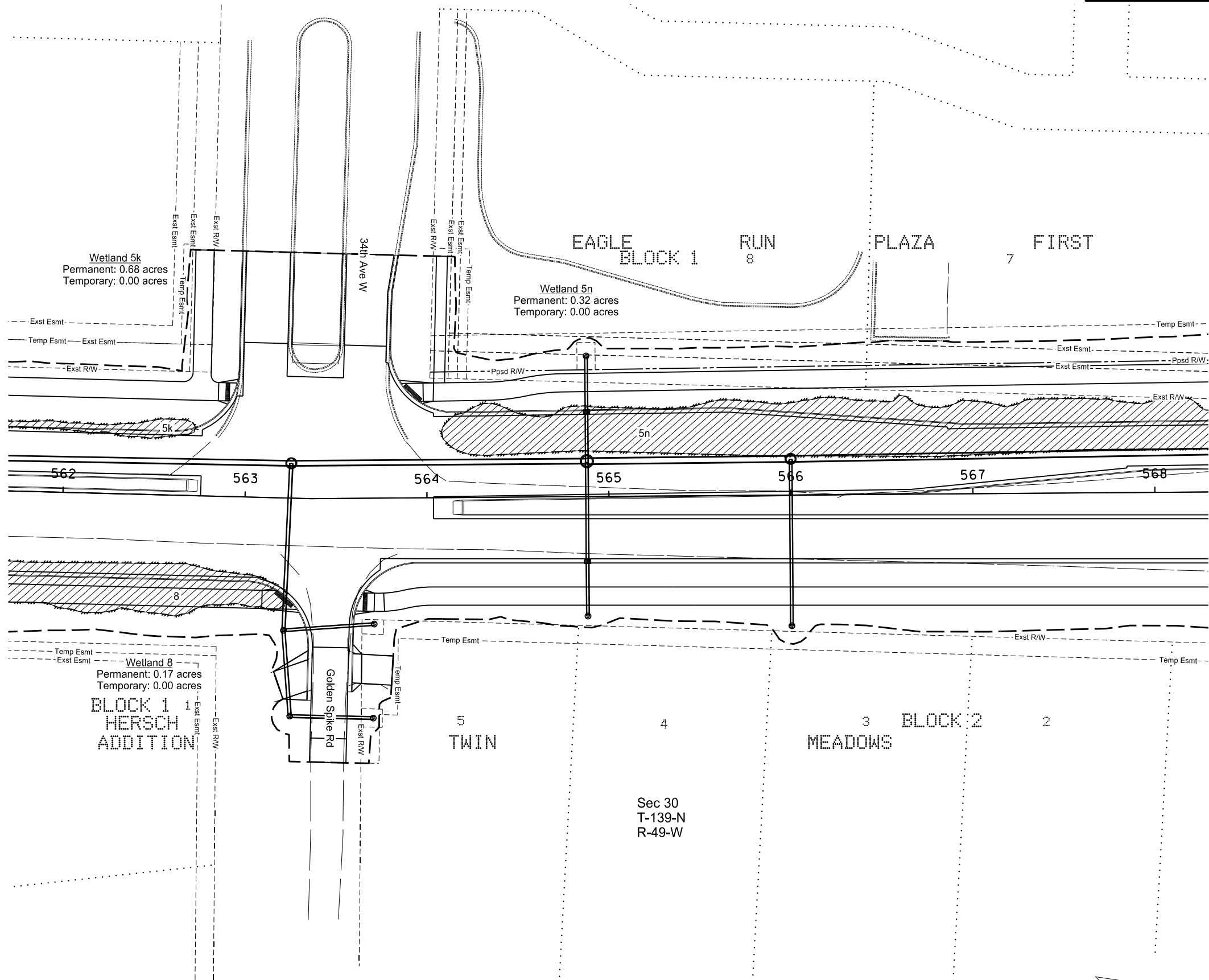
- Wetland Delineated Exst
- Grading Tie Line
- Wetland Impacts Temporary
- Wetland Impacts Permanent



This document was originally issued and sealed by Kevin J. Knott Registration Number PE- 5679, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street
Wetland Impacts
Sta 556+00 to Sta 562+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	75	12



LEGEND

- Wetland Delineated Exst
- Grading Tie Line
- Wetland Impacts Temporary
- Wetland Impacts Permanent

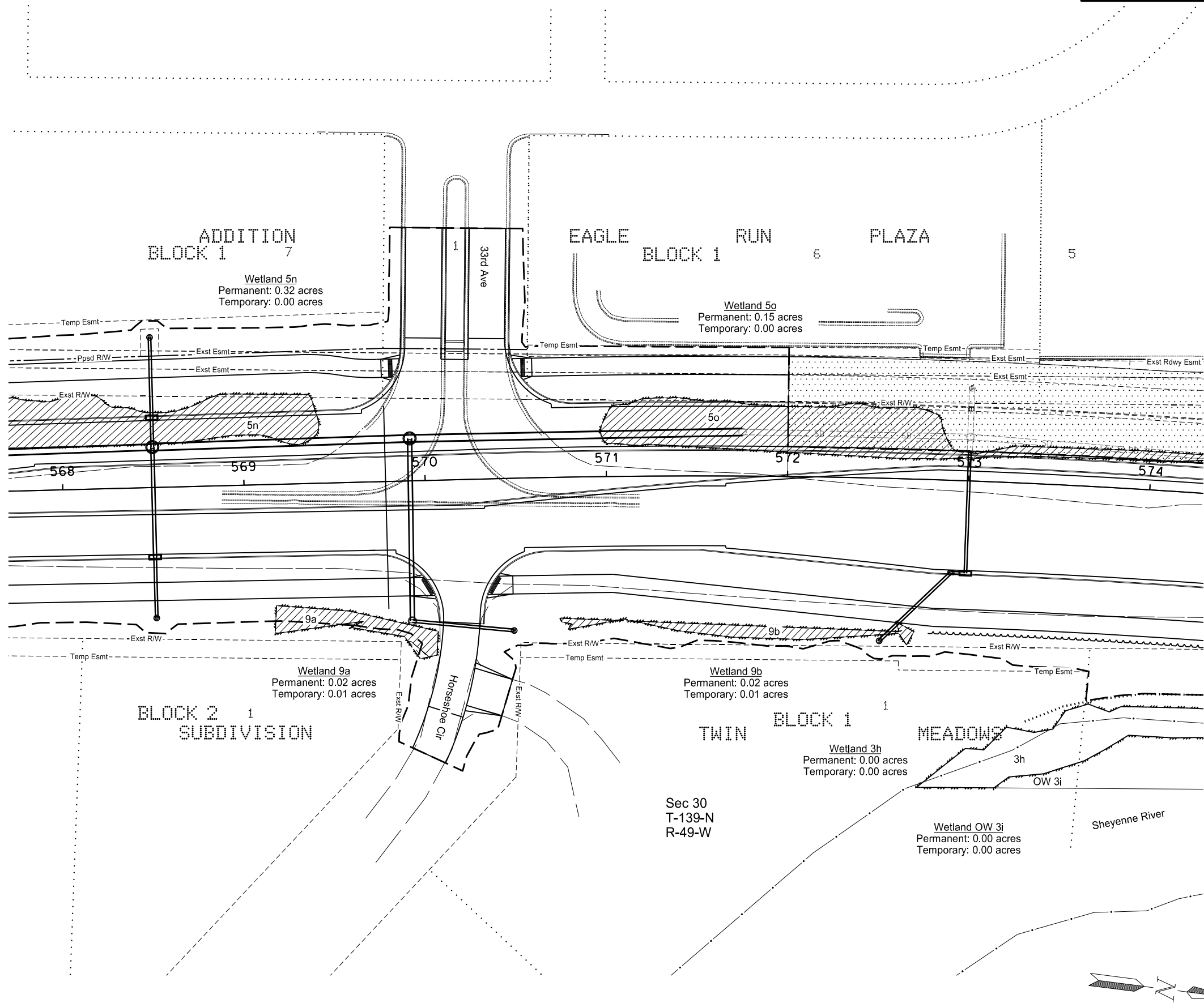
This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Wetland Impacts

Sta 562+00 to Sta 568+00 (PR17)

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	75	13



LEGEND

- Wetland Delineated Exst
- Grading Tie Line
- Wetland Impacts Temporary
- Wetland Impacts Permanent

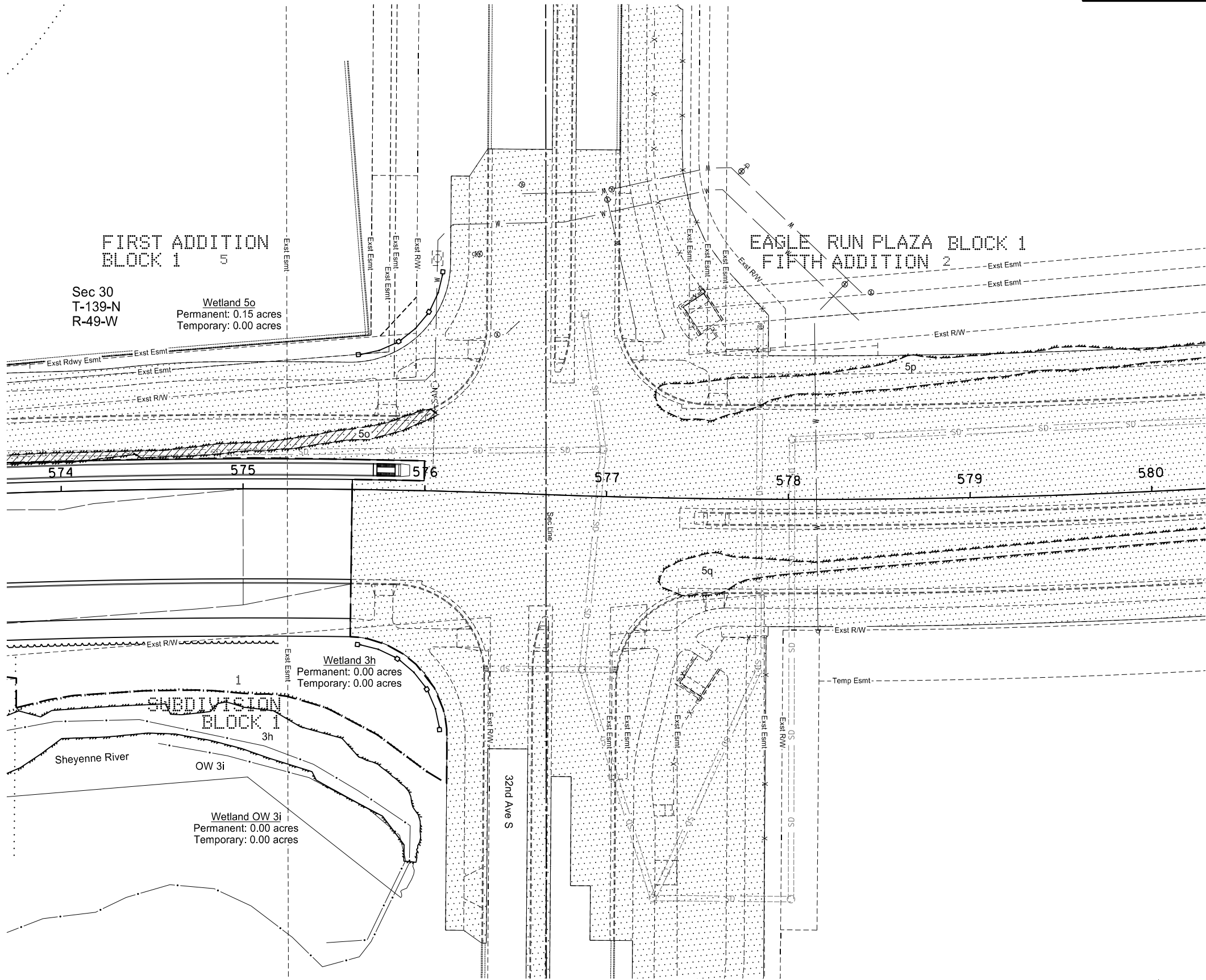
This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Wetland Impacts

Sta 568+00 to Sta 574+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	75	14



LEGEND

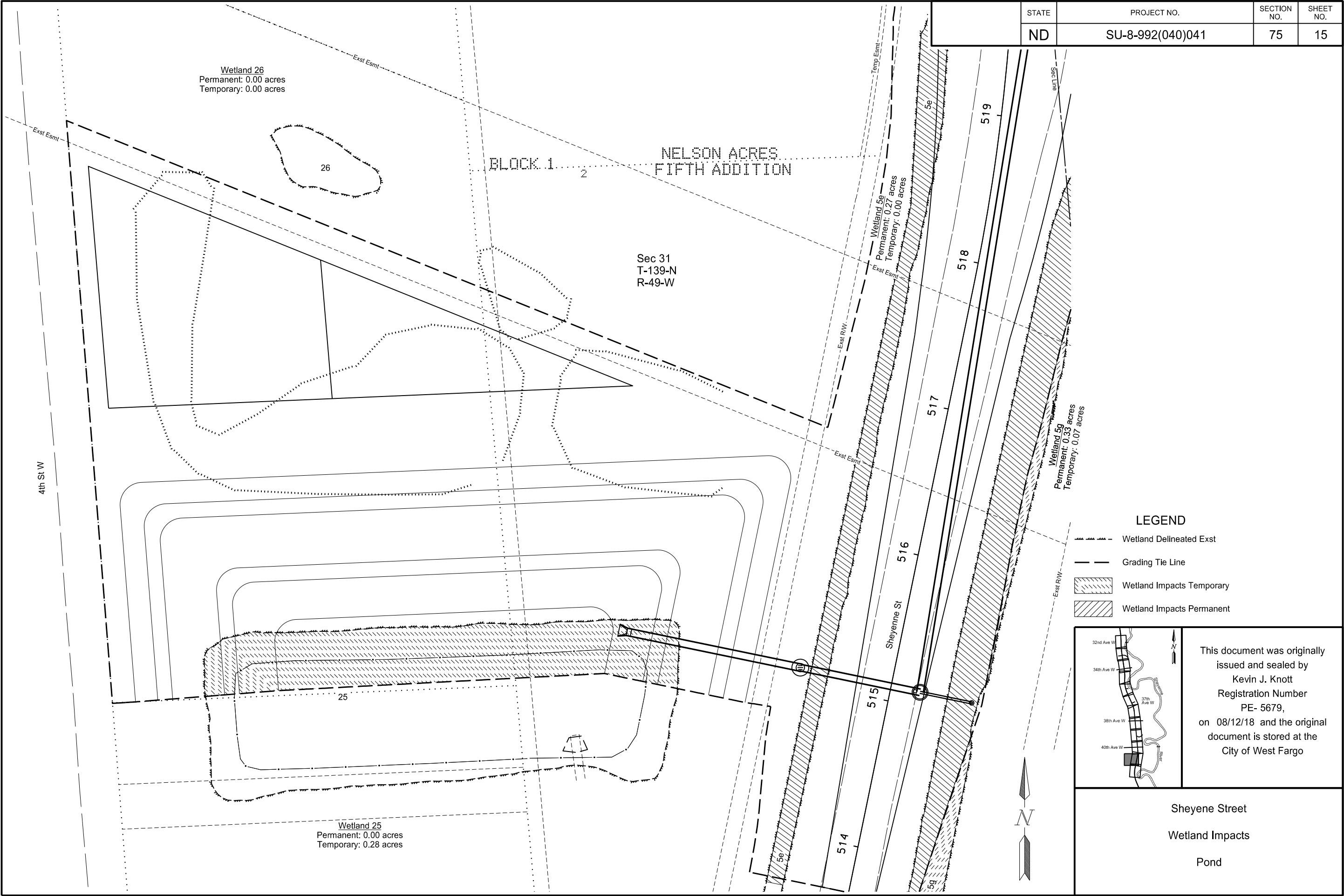
- Wetland Delineated Exst
- Grading Tie Line
- Wetland Impacts Temporary
- Wetland Impacts Permanent

This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

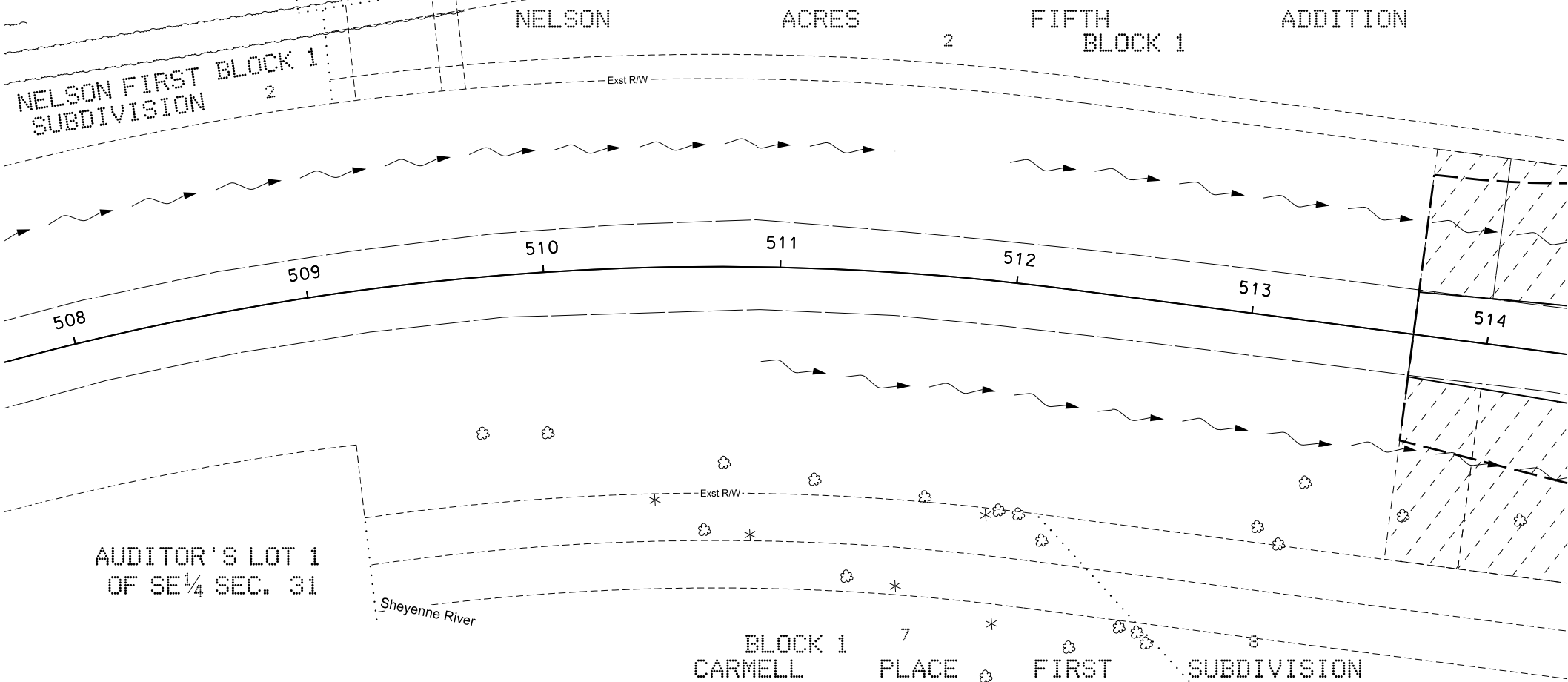
Wetland Impacts

Sta 574+00 to Sta 580+00 (PR17)



	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	76	1

SPEC CODE	BID ITEM	QTY	UNIT
253	0201 HYDRAULIC MULCH		
	513+ to 514+00 Lt	0.10	ACRE
	513+ to 514+00 Rt	0.10	ACRE



LEGEND

- [F] INLET PROTECTION - FIBER ROLL-12IN
- [Circle with cross] INLET PROTECTION - SPECIAL
- X - - - X SILT FENCE SUPPORTED
- GRADING TIE LINE
- ~> FLOW DIRECTION
- [Hatched box] HYDRAULIC MULCH

This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

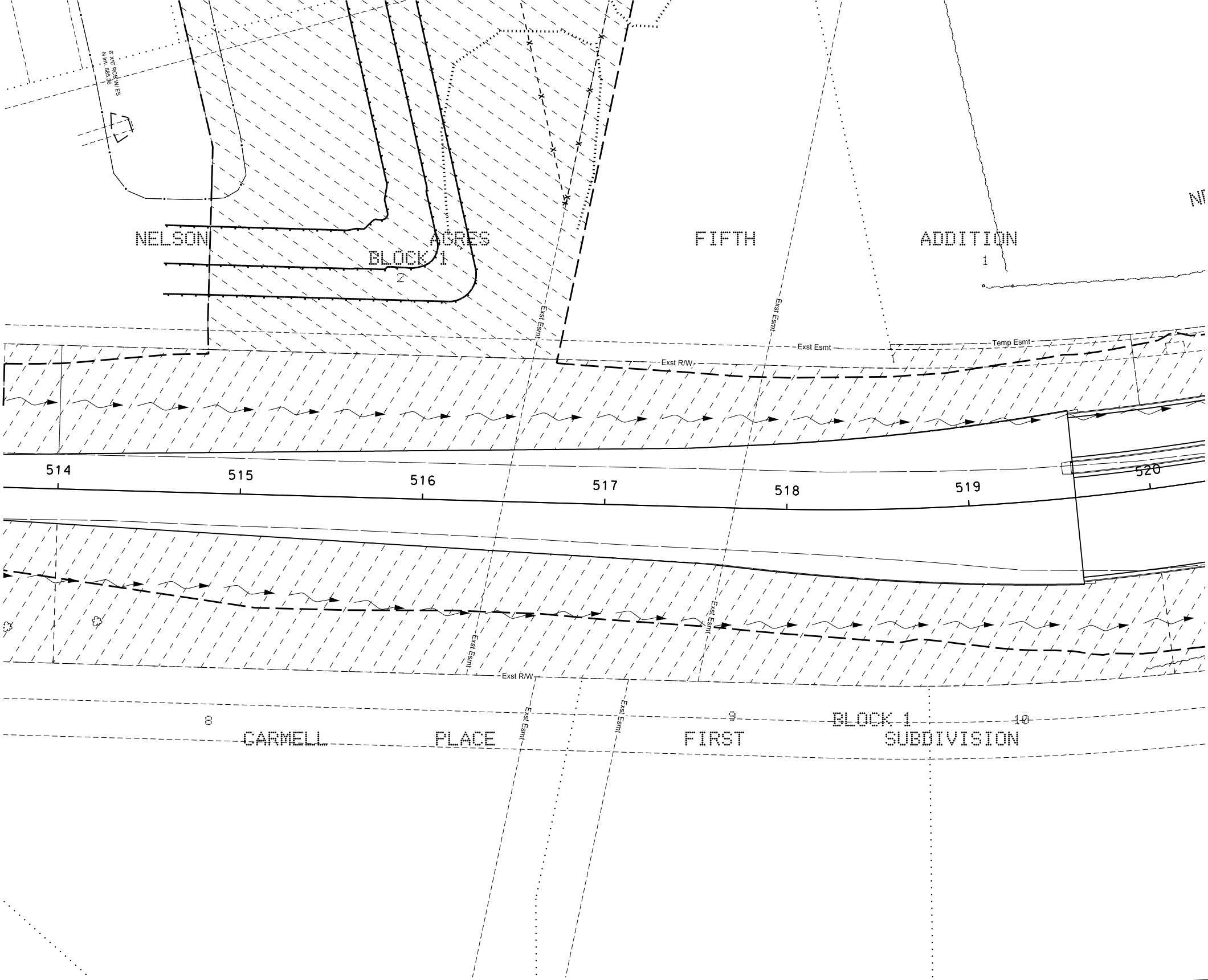
Sheyenne Street

Temporary Erosion Control

Sta 508+00 to Sta 514+00 (PR17)

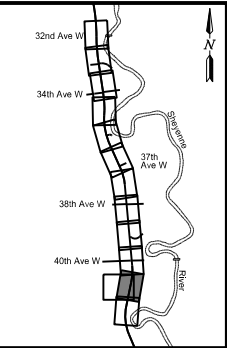
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	76	2

SPEC CODE	BID ITEM	QTY	UNIT
253 0201	HYDRAULIC MULCH		
	514+00 to 520+00 Lt	1.32	ACRE
	514+00 to 520+00 Rt	1.84	ACRE



LEGEND

- INLET PROTECTION - FIBER ROLL-12IN
- INLET PROTECTION - SPECIAL
- SILT FENCE SUPPORTED
- GRADING TIE LINE
- FLOW DIRECTION
- HYDRAULIC MULCH



This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street
Temporary Erosion Control
Sta 514+00 to Sta 520+00 (PR17)

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	76	3

SPEC CODE BID ITEM QTY UNIT

253	0201	HYDRAULIC MULCH	
		520+00 to 523+00 Lt	0.64 ACRE
		520+00 to 523+00 Rt	1.00 ACRE
		523+00 to 526+00 Lt	0.44 ACRE
		523+00 to 526+00 Rt	0.57 ACRE

708	1531	INLET PROTECTION - FIBER ROLL 12IN	
		521+92 73.4' Rt	1EA
		522+34 33.1' Lt	1EA
		522+42 147.3' Lt	1EA
		522+62 175.9' Lt	1EA
		522+71 256.2' Lt	1EA
		523+51 140.7' Rt	1EA
		523+68 250.5' Lt	1EA
		523+85 58.9' Lt	1EA
		523+87 62.8' Rt	1EA
		524+32 42.1' Lt	1EA

708	1533	REMOVAL INLET PROTECTION-FIBER ROLL 12IN	
		521+92 73.4' Rt	1EA
		522+34 33.1' Lt	1EA
		523+51 140.7' Rt	1EA
		523+85 58.9' Lt	1EA
		523+87 62.8' Rt	1EA
		524+32 42.1' Lt	1EA

708	1540	INLET PROTECTION - SPECIAL	
		522+65 108.0' Rt	1EA
		522+87 254.8' Lt	1EA
		523+26 113.0' Rt	1EA
		523+46 252.0' Lt	1EA

708	1541	REMOVE INLET PROTECTION-SPECIAL	
		522+65 108.0' Rt	1EA
		523+26 113.0' Rt	1EA

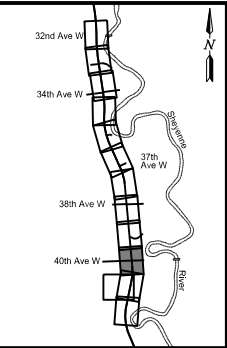
LEGEND

- F

INLET PROTECTION - FIBER ROLL-12IN
- INLET PROTECTION - SPECIAL
- X- - - -X-

SILT FENCE SUPPORTED
- - - -

GRADING TIE LINE
- FLOW DIRECTION
- HYDRAULIC MULCH

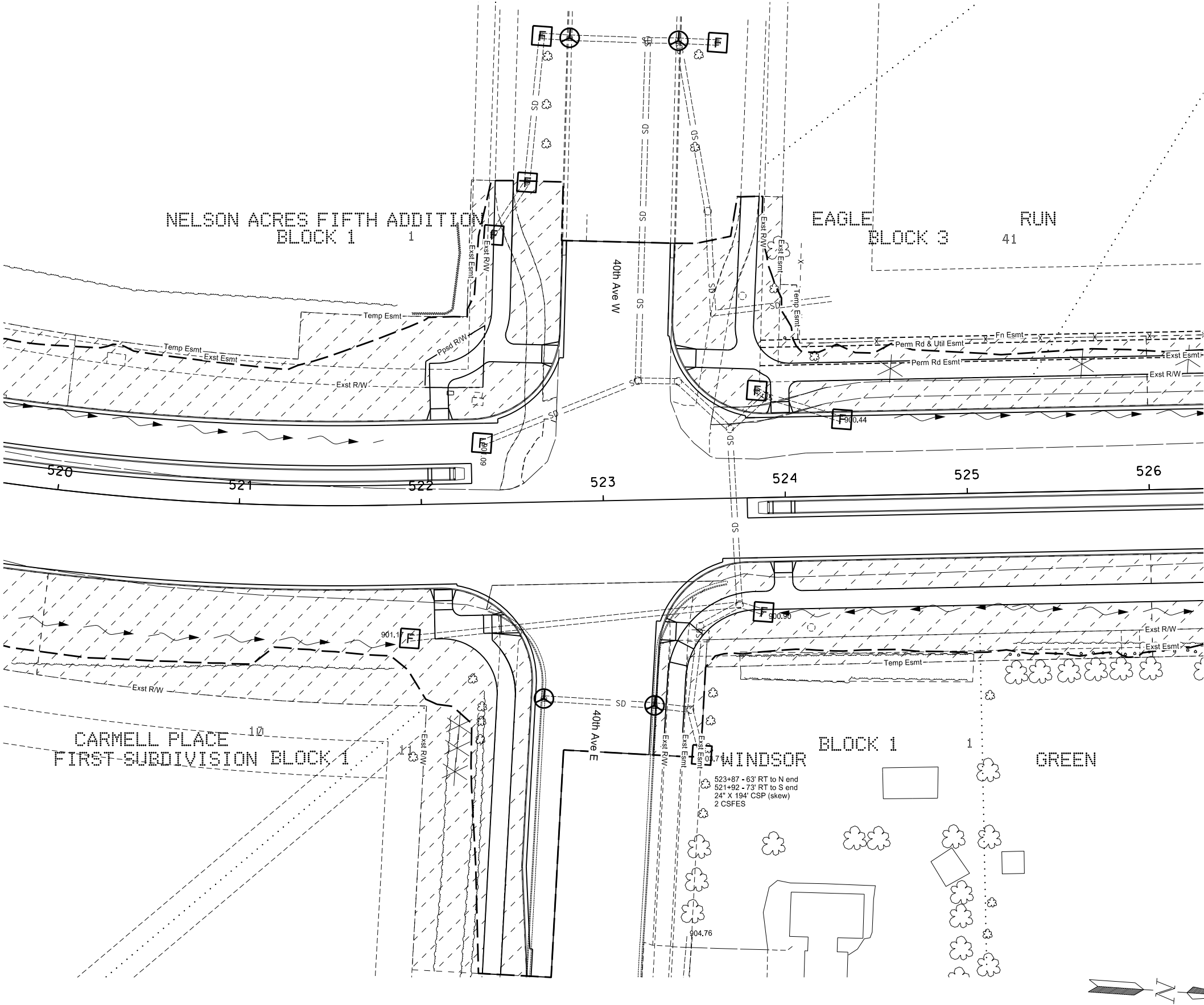


This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Temporary Erosion Control

Sta 520+00 to Sta 526+00 (PR17)



	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	76	4

SPEC CODE BID ITEM QTY UNIT

253	0201	HYDRAULIC MULCH	
		526+00 to 532+00 Lt	0.80 ACRE
		526+00 to 532+00 Rt	1.70 ACRE

708	1531	INLET PROTECTION - FIBER ROLL 12IN	
		527+65 54.5' Rt	1 EA
		527+72 114.8' Rt	1 EA
		531+33 117.4' Rt	1 EA

708	1533	REMOVAL INLET PROTECTION-FIBER ROLL 12IN	
		527+65 54.5' Rt	1 EA
		527+72 114.8' Rt	1 EA
		531+33 117.4' Rt	1 EA

LEGEND

- F

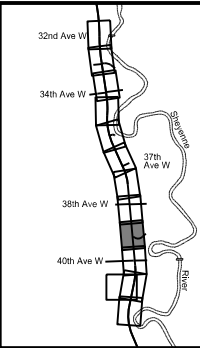
INLET PROTECTION - FIBER ROLL-12IN
- ⊙

INLET PROTECTION - SPECIAL
- X- - - -X

SILT FENCE SUPPORTED
- GRADING TIE LINE
- ~>

FLOW DIRECTION
- ///

HYDRAULIC MULCH

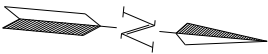
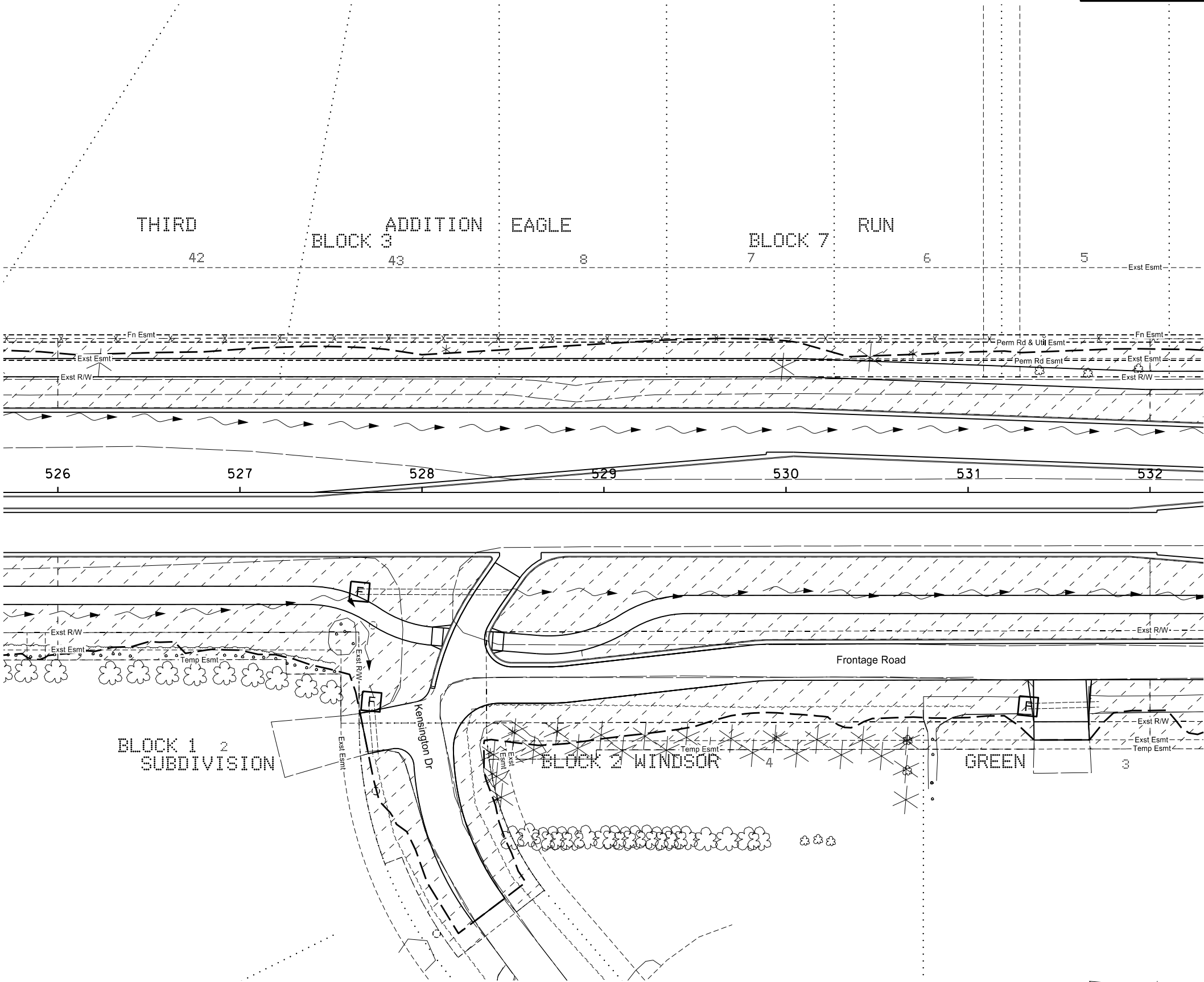


This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Temporary Erosion Control

Sta 526+00 to Sta 532+00 (PR17)



	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	76	5

SPEC CODE BID ITEM QTY UNIT

253	0201	HYDRAULIC MULCH	
		532+00 to 536+05 Lt	0.72 ACRE
		532+00 to 536+05 Rt	1.03 ACRE
		536+65 to 538+00 Lt	0.16 ACRE
		536+30 to 538+00 Rt	0.48 ACRE

708	1531	INLET PROTECTION - FIBER ROLL 12IN	
		532+85 114.8' Rt	1 EA
		534+92 114.1' Rt	1 EA
		535+33 114.1' Rt	1 EA
		535+74 37.8 Lt	1 EA
		535+83+71 57.7 Rt	1 EA

708	1533	REMOVAL INLET PROTECTION-FIBER ROLL 12IN	
		532+85 114.8' Rt	1 EA
		534+92 114.1' Rt	1 EA
		535+33 114.1' Rt	1 EA
		535+74 37.8 Lt	1 EA
		535+83+71 57.7 Rt	1 EA

708	1540	INLET PROTECTION - SPECIAL	
		536+14 305.8' Lt	1 EA
		536+74 308.1' Lt	1 EA
		535+96 208.9' Rt	1 EA
		536+30 210.6' Rt	1 EA

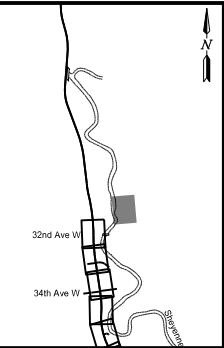
LEGEND

- F

INLET PROTECTION - FIBER ROLL-12IN
- INLET PROTECTION - SPECIAL
- x- - - -x-

SILT FENCE SUPPORTED
- - - -

GRADING TIE LINE
- FLOW DIRECTION
- HYDRAULIC MULCH

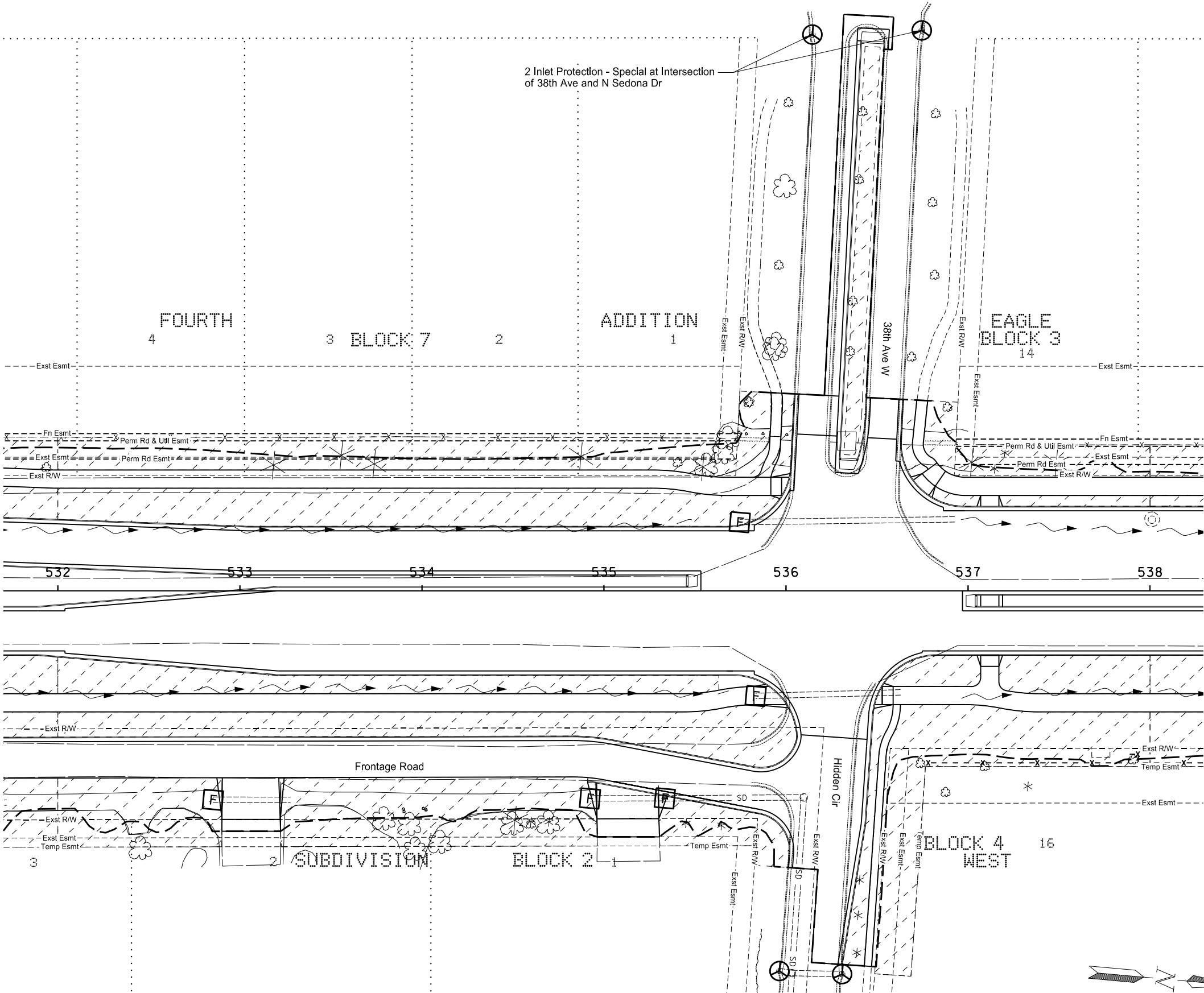


This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

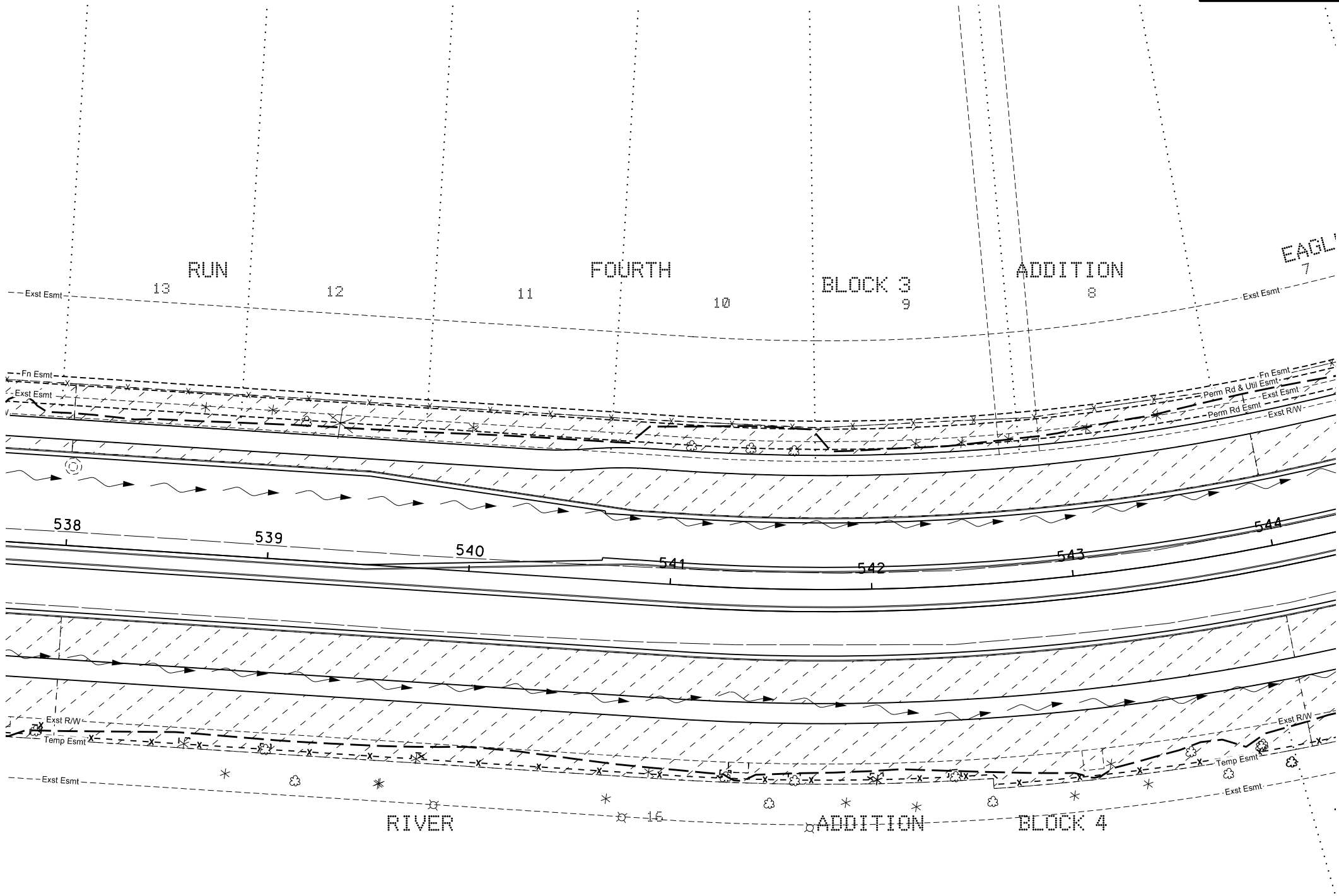
Temporary Erosion Control

Sta 532+00 to Sta 538+00 (PR17)

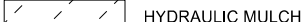


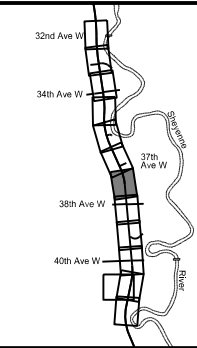
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	76	6

SPEC CODE	BID ITEM	QTY	UNIT
253	0201 HYDRAULIC MULCH		
	538+00 to 544+00 Lt	0.84	ACRE
	538+00 to 544+00 Rt	1.48	ACRE



LEGEND

-  INLET PROTECTION - FIBER ROLL-12IN
-  INLET PROTECTION - SPECIAL
-  SILT FENCE SUPPORTED
-  GRADING TIE LINE
-  FLOW DIRECTION
-  HYDRAULIC MULCH



This document was originally issued and sealed by Kevin J. Knott Registration Number PE- 5679, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street

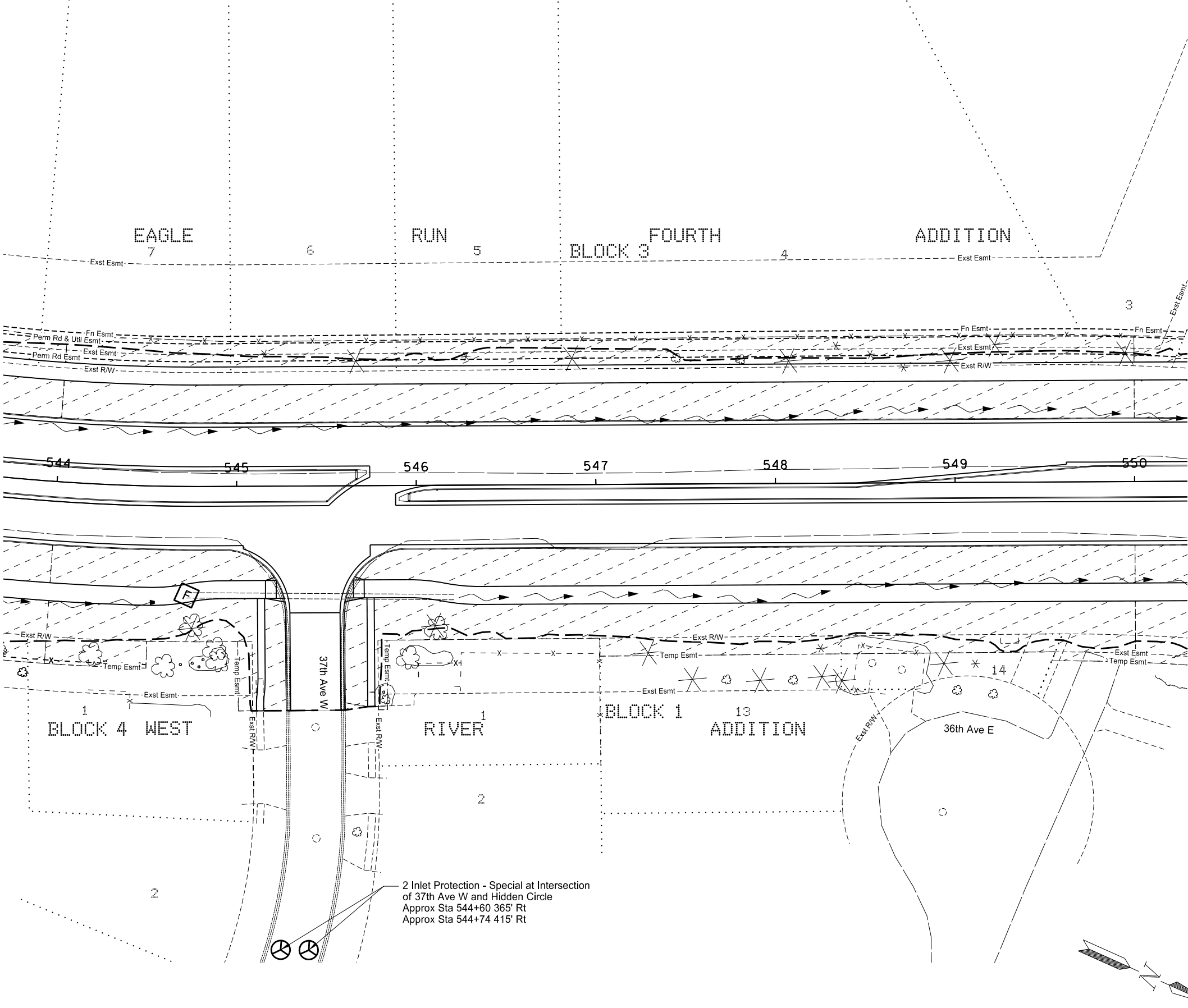
Temporary Erosion Control

Sta 538+00 to Sta 544+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	76	7

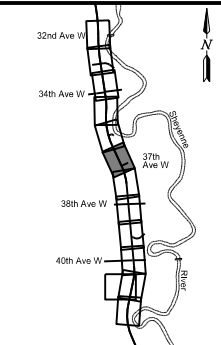
SPEC CODE BID ITEM QTY UNIT

253	0201	HYDRAULIC MULCH	
		544+00 to 550+00 Lt	0.98 ACRE
		544+00 to 545+30 Rt	0.30 ACRE
		545+60 to 550+00 Rt	0.97 ACRE
708	1531	INLET PROTECTION - FIBER ROLL 12IN	
		544+72 60.6' Rt	1 EA
708	1533	REMOVAL INLET PROTECTION-FIBER ROLL 12IN	
		544+72 60.6' Rt	1 EA
708	1540	INLET PROTECTION - SPECIAL	
		544+60 365.0' Rt	1 EA
		544+74 415.0' Rt	1 EA



LEGEND

- INLET PROTECTION - FIBER ROLL-12IN
- INLET PROTECTION - SPECIAL
- SILT FENCE SUPPORTED
- GRADING TIE LINE
- FLOW DIRECTION
- HYDRAULIC MULCH



This document was originally issued and sealed by Kevin J. Knott Registration Number PE- 5679, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street

Temporary Erosion Control

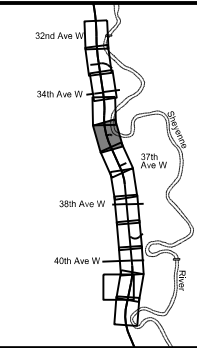
Sta 544+00 to Sta 550+00 (PR17)

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	76	8

SPEC CODE	BID ITEM	QTY	UNIT
253	0201 HYDRAULIC MULCH		
	550+00 to 556+00 Lt	1.44	ACRE
	550+00 to 556+00 Rt	1.34	ACRE
260	0200 SILT FENCE SUPPORTED		
	553+53 to 556+00 Rt	233	LF

LEGEND

-  INLET PROTECTION - FIBER ROLL-12IN
-  INLET PROTECTION - SPECIAL
-  SILT FENCE SUPPORTED
-  GRADING TIE LINE
-  FLOW DIRECTION
-  HYDRAULIC MULCH

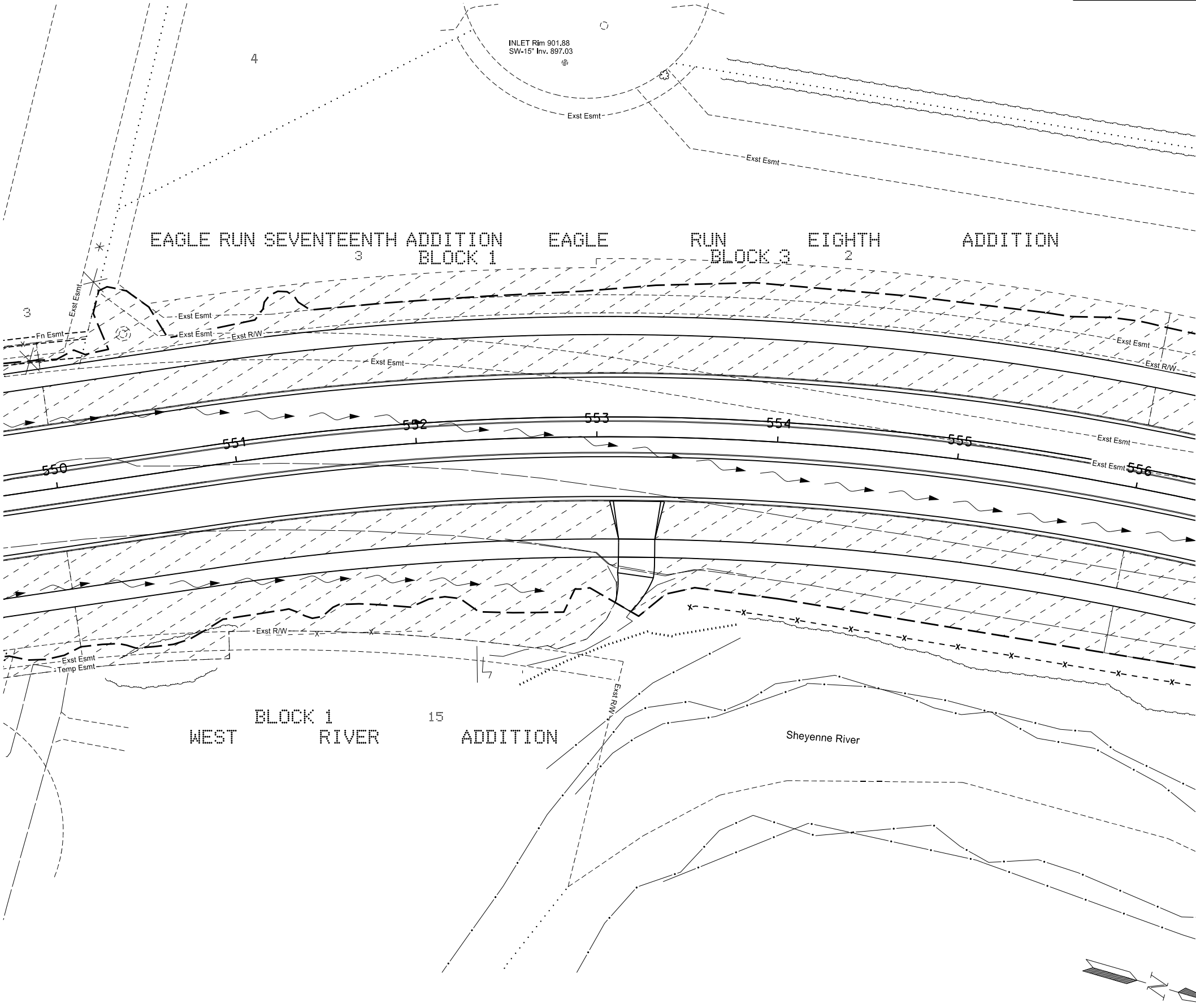


This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Temporary Erosion Control

Sta 550+00 to Sta 556+00 (PR17)



STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	76	9

SPEC CODE	BID ITEM	QTY	UNIT
253	0201 HYDRAULIC MULCH		
	556+00 to 562+00 Lt	1.21	ACRE
	556+00 to 562+00 Rt	1.20	ACRE
260	0200 SILT FENCE SUPPORTED		
	556+00 to 557+57 Rt	147	LF

LEGEND

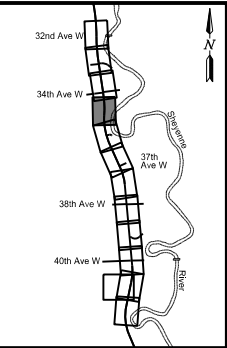
- F

INLET PROTECTION - FIBER ROLL-12IN
- ⊙

INLET PROTECTION - SPECIAL
- X- - - -X

SILT FENCE SUPPORTED
- GRADING TIE LINE
- FLOW DIRECTION
- ▨

HYDRAULIC MULCH

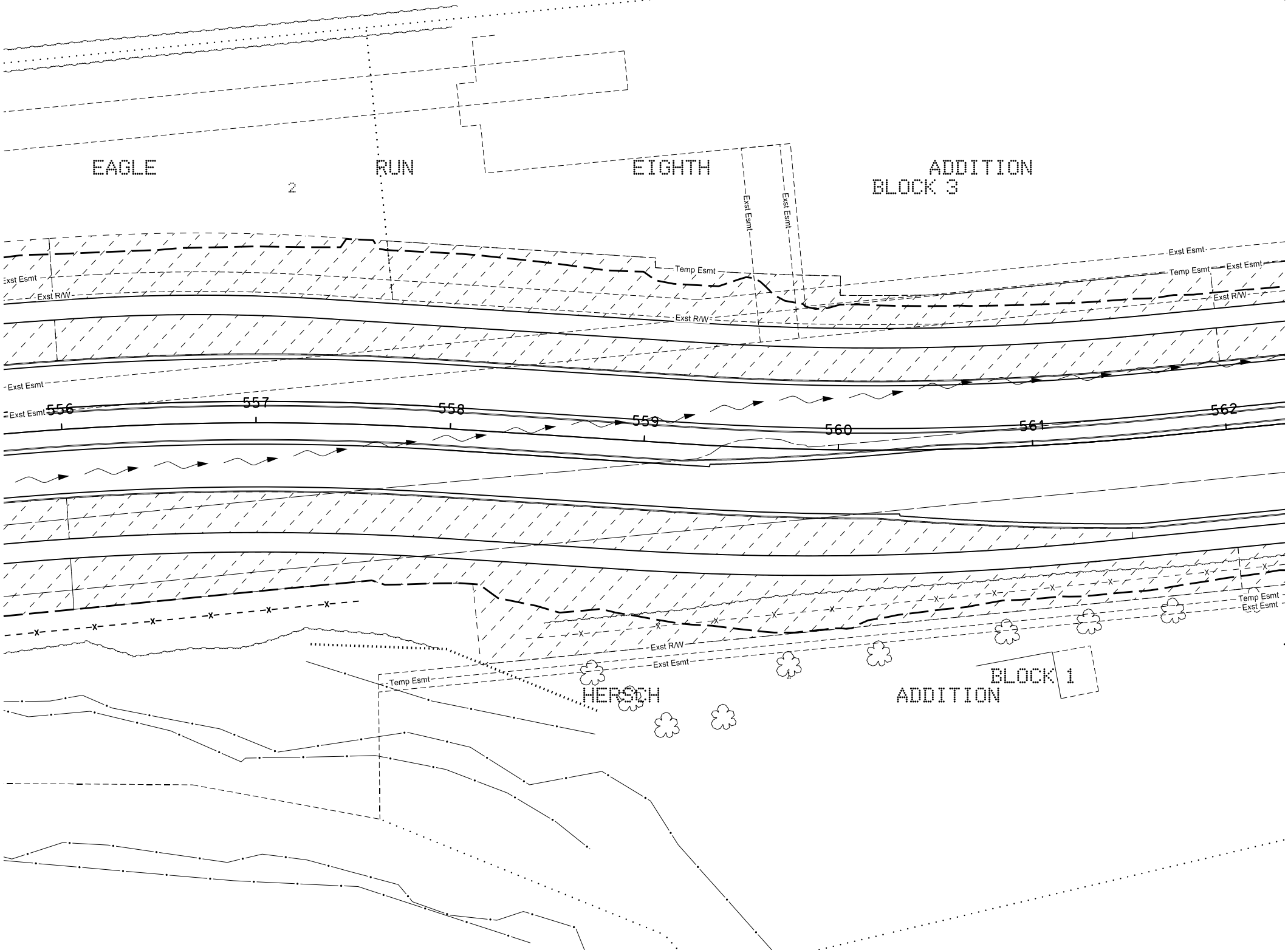


This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Temporary Erosion Control

Sta 556+00 to Sta 562+00 (PR17)



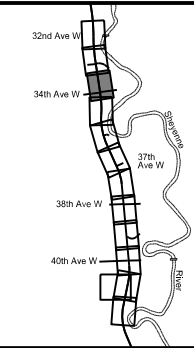
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	76	10

SPEC CODE	BID ITEM	QTY	UNIT
253	0201 HYDRAULIC MULCH		
	562+00 to 562+95 Lt	0.19	ACRE
	562+00 to 563+35 Rt	0.16	ACRE
	563+55 to 568+00 Rt	0.78	ACRE
	570+50 to 568+00 Lt	0.75	ACRE
708	1531 INLET PROTECTION - FIBER ROLL 12IN		
	562+67 35.1' Lt	1	EA
	563+26 54.0' Lt	1	EA
	563+27 84.6' Lt	1	EA
708	1533 REMOVAL INLET PROTECTION-FIBER ROLL 12IN		
	562+67 35.1' Lt	1	EA
	563+26 54.0' Rt	1	EA
	563+27 84.6' Rt	1	EA
708	1540 INLET PROTECTION - SPECIAL		
	562+97 304.5' Lt	1	EA
	563+98 302.1' Lt	1	EA

LEGEND

- F

INLET PROTECTION - FIBER ROLL-12IN
- INLET PROTECTION - SPECIAL
- SILT FENCE SUPPORTED
- GRADING TIE LINE
- FLOW DIRECTION
- HYDRAULIC MULCH

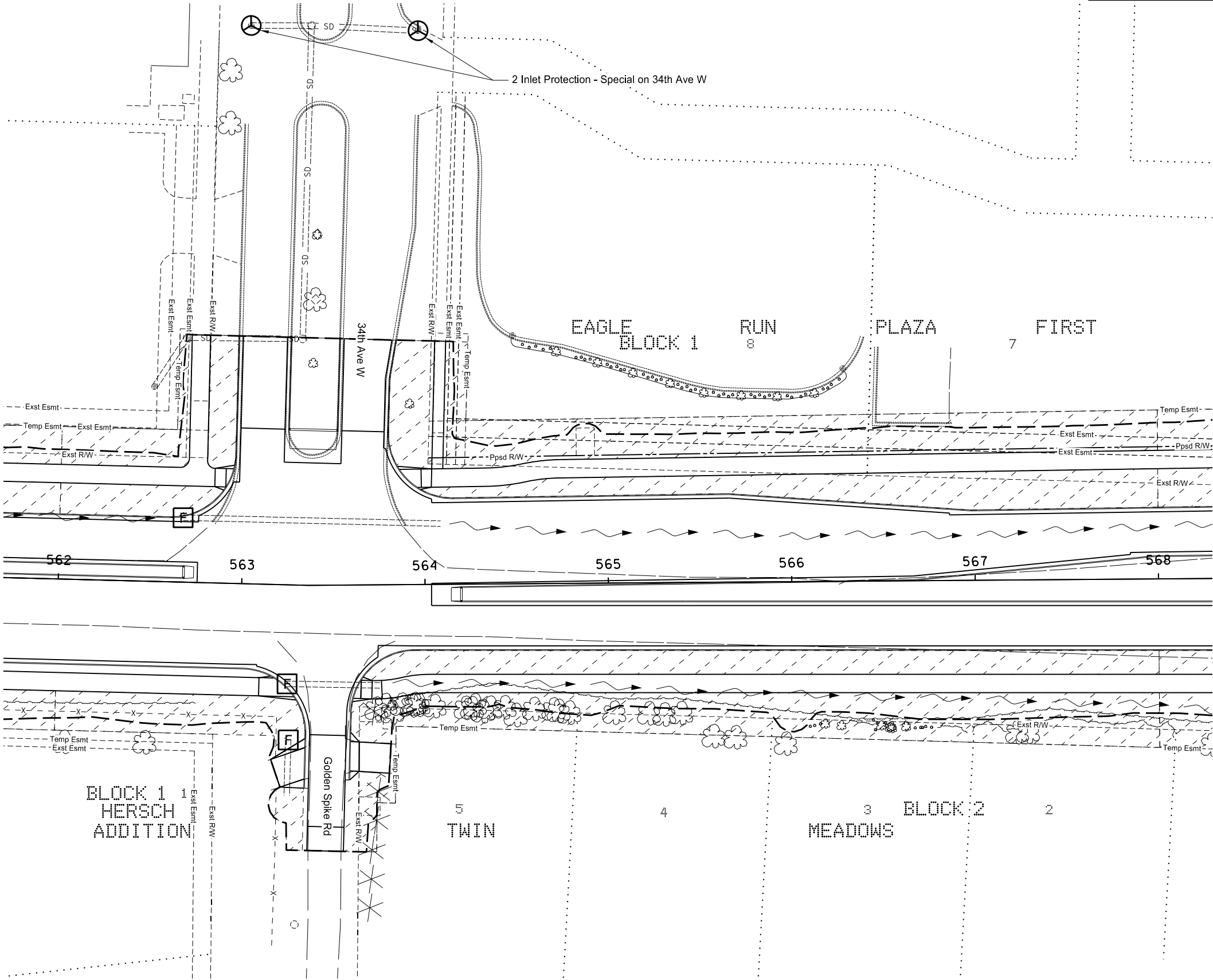


This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Temporary Erosion Control

Sta 562+00 to Sta 568+00 (PR17)

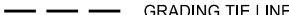


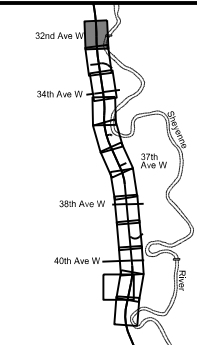
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	76	12

SPEC CODE BID ITEM QTY UNIT

253	0201	HYDRAULIC MULCH	
		574+00 to 576+15 Rt	0.49 ACRE
		575+50 to 576+10 Lt	0.10 ACRE
260	0200	SILT FENCE SUPPORTED	
		574+69 119' Rt to 576+15 173' Rt	155 LF
708	1540	INLET PROTECTION - SPECIAL	
		576+10 131.9' Rt	1 EA

LEGEND

-  INLET PROTECTION - FIBER ROLL-12IN
-  INLET PROTECTION - SPECIAL
-  SILT FENCE SUPPORTED
-  GRADING TIE LINE
-  FLOW DIRECTION
-  HYDRAULIC MULCH

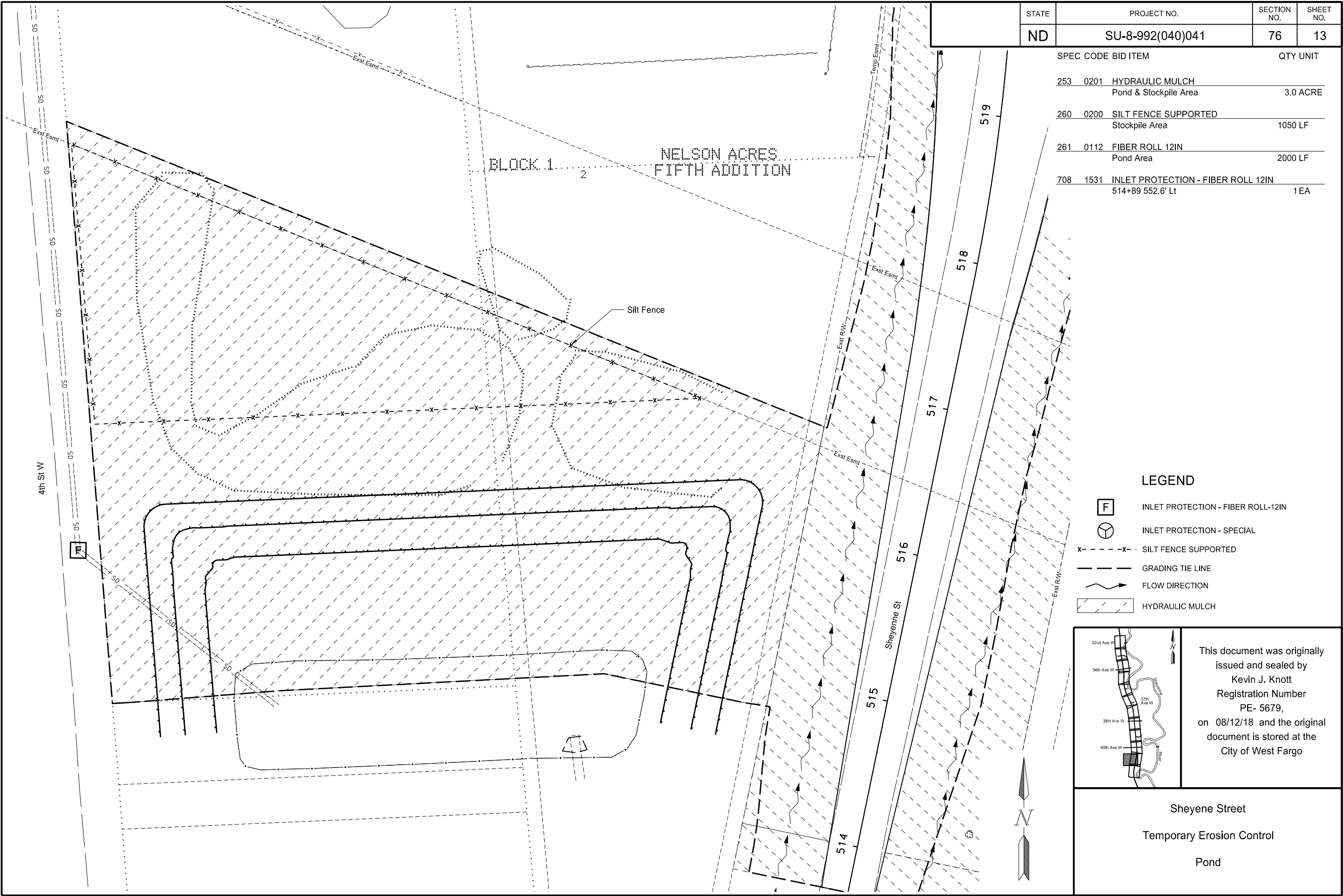


This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

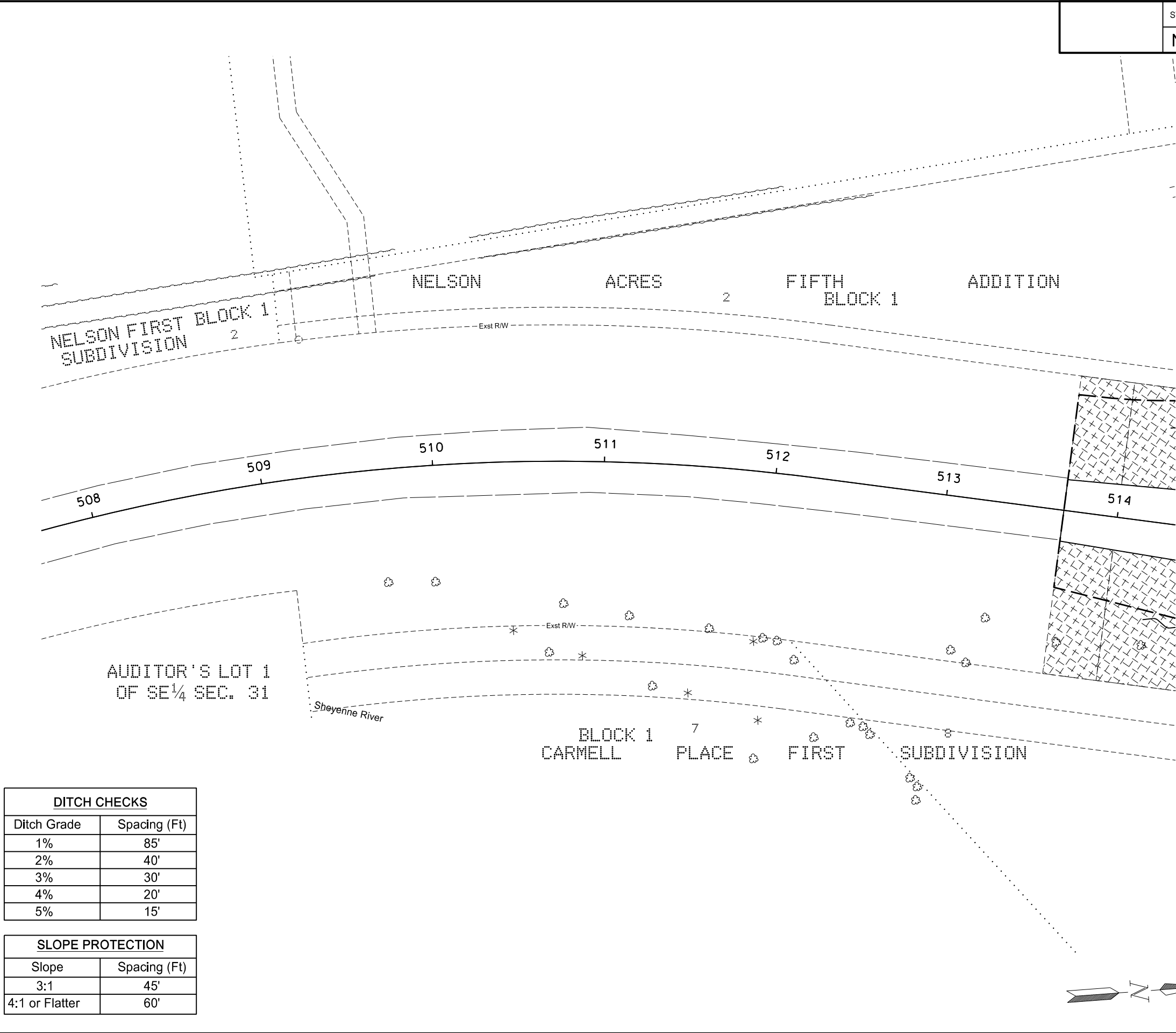
Temporary Erosion Control

Sta 574+00 to Sta 580+00 (PR17)



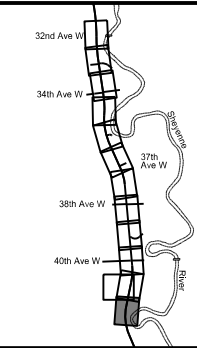
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	77	1

SPEC CODE	BID ITEM	QTY	UNIT
251	0300 SEEDING CLASS III		
	513+ to 514+00 Lt	0.05	ACRE
	513+ to 514+00 Rt	0.05	ACRE
253	0301 BONDED FIBER MATRIX		
	513+ to 514+00 Lt	0.05	ACRE
	513+ to 514+00 Rt	0.05	ACRE



LEGEND

- RIPRAP
- 6" TOPSOIL, SEEDING, AND HYDRAULIC MULCH
- TOPSOIL, SEEDING, AND BONDED FIBER MATRIX
- INLET PROTECTION - FIBER ROLL-12IN
- INLET PROTECTION - SPECIAL
- SILT FENCE
- FLOW DIRECTION
- GRADING TIE LINE



This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street
Permanent Erosion Control
Sta 508+00 to Sta 514+00 (PR17)

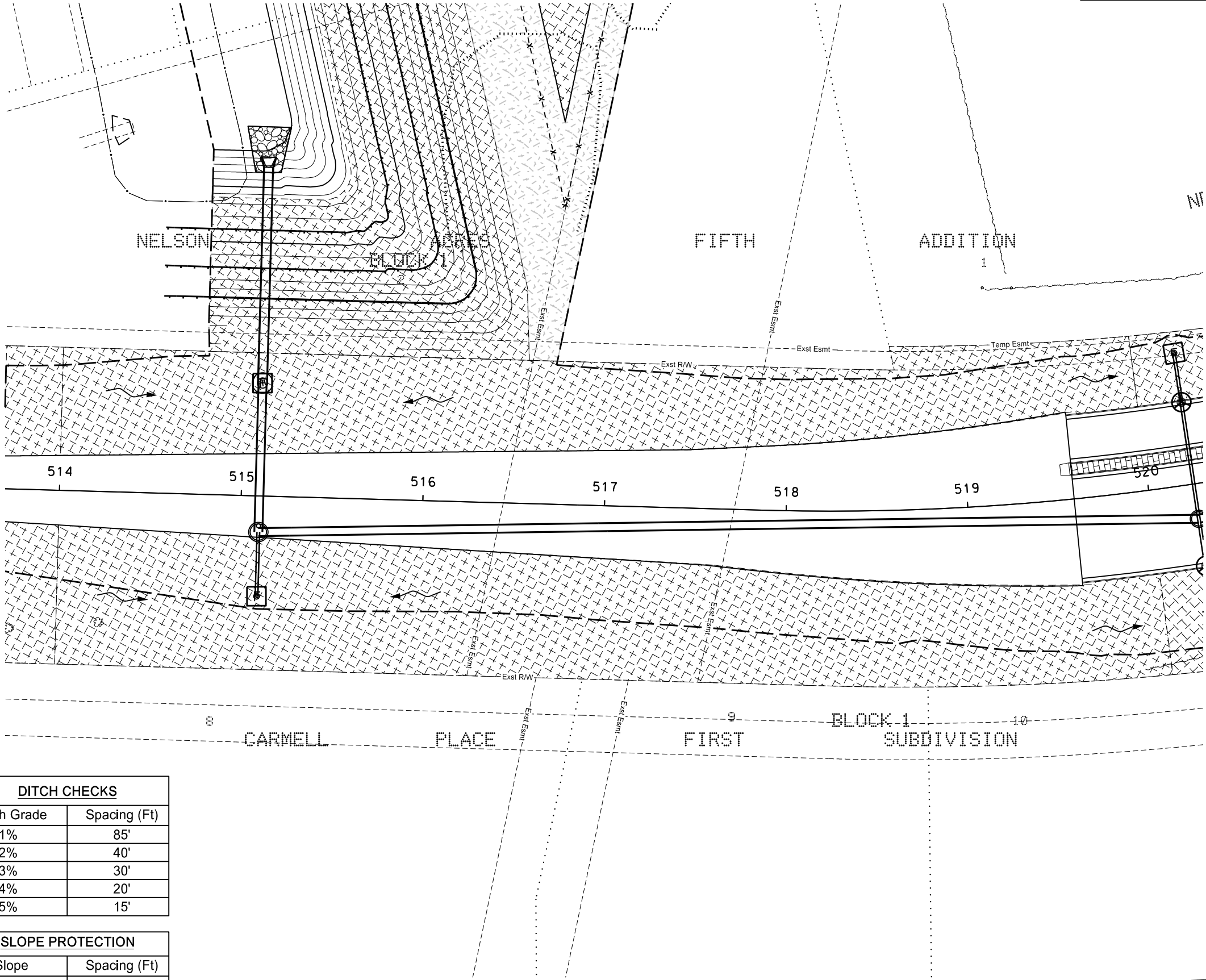
DITCH CHECKS	
Ditch Grade	Spacing (Ft)
1%	85'
2%	40'
3%	30'
4%	20'
5%	15'

SLOPE PROTECTION	
Slope	Spacing (Ft)
3:1	45'
4:1 or Flatter	60'

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	77	2

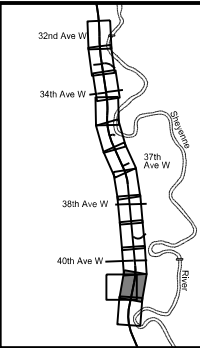
SPEC CODE BID ITEM QTY UNIT

251	0300	SEEDING CLASS III	
		514+00 to 520+00 Lt	0.66 ACRE
		514+00 to 520+00 Rt	0.92 ACRE
253	0301	BONDED FIBER MATRIX	
		514+00 to 520+00 Lt	0.66 ACRE
		514+00 to 520+00 Rt	0.92 ACRE
708	1531	INLET PROTECTION - FIBER ROLL 12IN	
		515+10 62.1' Lt	1 EA
		515+10 55.2' Rt	1 EA
708	1533	REMOVAL INLET PROTECTION-FIBER ROLL 12IN	
		515+10 62.1' Lt	1 EA
		515+10 55.2' Rt	1 EA



LEGEND

- RIPRAP
- 6" TOPSOIL, SEEDING, AND HYDRAULIC MULCH
- TOPSOIL, SEEDING, AND BONDED FIBER MATRIX
- INLET PROTECTION - FIBER ROLL-12IN
- INLET PROTECTION - SPECIAL
- SILT FENCE
- FLOW DIRECTION
- GRADING TIE LINE

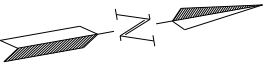


This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Permanent Erosion Control

Sta 514+00 to Sta 520+00 (PR17)



DITCH CHECKS	
Ditch Grade	Spacing (Ft)
1%	85'
2%	40'
3%	30'
4%	20'
5%	15'

SLOPE PROTECTION	
Slope	Spacing (Ft)
3:1	45'
4:1 or Flatter	60'

708	1541	REMOVE INLET PROTECTION-SPECIAL	
	520+25 45.5' Lt	1 EA	
	520+25 45.5' Rt	1 EA	
	522+59 107.5' Rt	1 EA	
	522+86 254.8' Lt	1 EA	
	523+26 113.0' Rt	1 EA	
	523+46 252.0' Lt	1 EA	
	525+88 45.5' Lt	1 EA	
	525+88 34.5' Rt	1 EA	

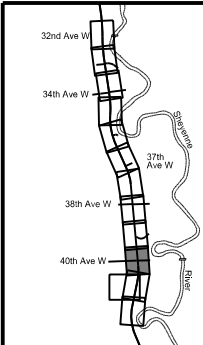
708	1533	REMOVAL INLET PROTECTION-FIBER ROLL 12IN	
	520+25 72.8' Lt	1 EA	
	520+25 75.2' Rt	1 EA	
	522+06 98.0' Rt	1 EA	
	522+42 147.4' Lt	1 EA	
	522+62 175.9' Lt	1 EA	
	522+72 256.2' Lt	1 EA	
	523+68 250.5' Lt	1 EA	
	525+88 82.0' Rt	1 EA	

708	1540	INLET PROTECTION - SPECIAL	
	520+25 45.5' Lt	1 EA	
	520+25 45.5' Rt	1 EA	
	522+57 135.1' Rt	1 EA	
	523+26 113.0' Rt	1 EA	
	525+88 45.5' Lt	1 EA	
	525+88 34.5' Rt	1 EA	

SPEC CODE	BID ITEM	QTY	UNIT
251	0300 SEEDING CLASS III		
	520+00 to 523+00 Lt	0.32	ACRE
	520+00 to 523+00 Rt	0.50	ACRE
	523+00 to 526+00 Lt	0.22	ACRE
	523+00 to 526+00 Rt	0.28	ACRE
253	0201 HYDRAULIC MULCH		
	520+00 to 523+00 Lt	0.08	ACRE
	520+00 to 523+00 Rt	0.05	ACRE
	523+00 to 526+00 Lt	0.22	ACRE
	523+00 to 526+00 Rt	0.10	ACRE
253	0301 BONDED FIBER MATRIX		
	520+00 to 523+00 Lt	0.24	ACRE
	520+00 to 523+00 Rt	0.45	ACRE
	523+00 to 526+00 Rt	0.18	ACRE
708	1531 INLET PROTECTION - FIBER ROLL 12IN		
	520+25 72.8' Lt	1 EA	
	520+25 75.2' Rt	1 EA	
	522+06 98.0' Rt	1 EA	
	525+88 82.0' Rt	1 EA	

LEGEND

- RIPRAP
- 6" TOPSOIL, SEEDING, AND HYDRAULIC MULCH
- TOPSOIL, SEEDING, AND BONDED FIBER MATRIX
- INLET PROTECTION - FIBER ROLL-12IN
- INLET PROTECTION - SPECIAL
- SILT FENCE
- FLOW DIRECTION
- GRADING TIE LINE



This document was originally issued and sealed by Kevin J. Knott Registration Number PE- 5679, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street

Permanent Erosion Control

Sta 520+00 to Sta 526+00 (PR17)

DITCH CHECKS	
Ditch Grade	Spacing (Ft)
1%	85'
2%	40'
3%	30'
4%	20'
5%	15'

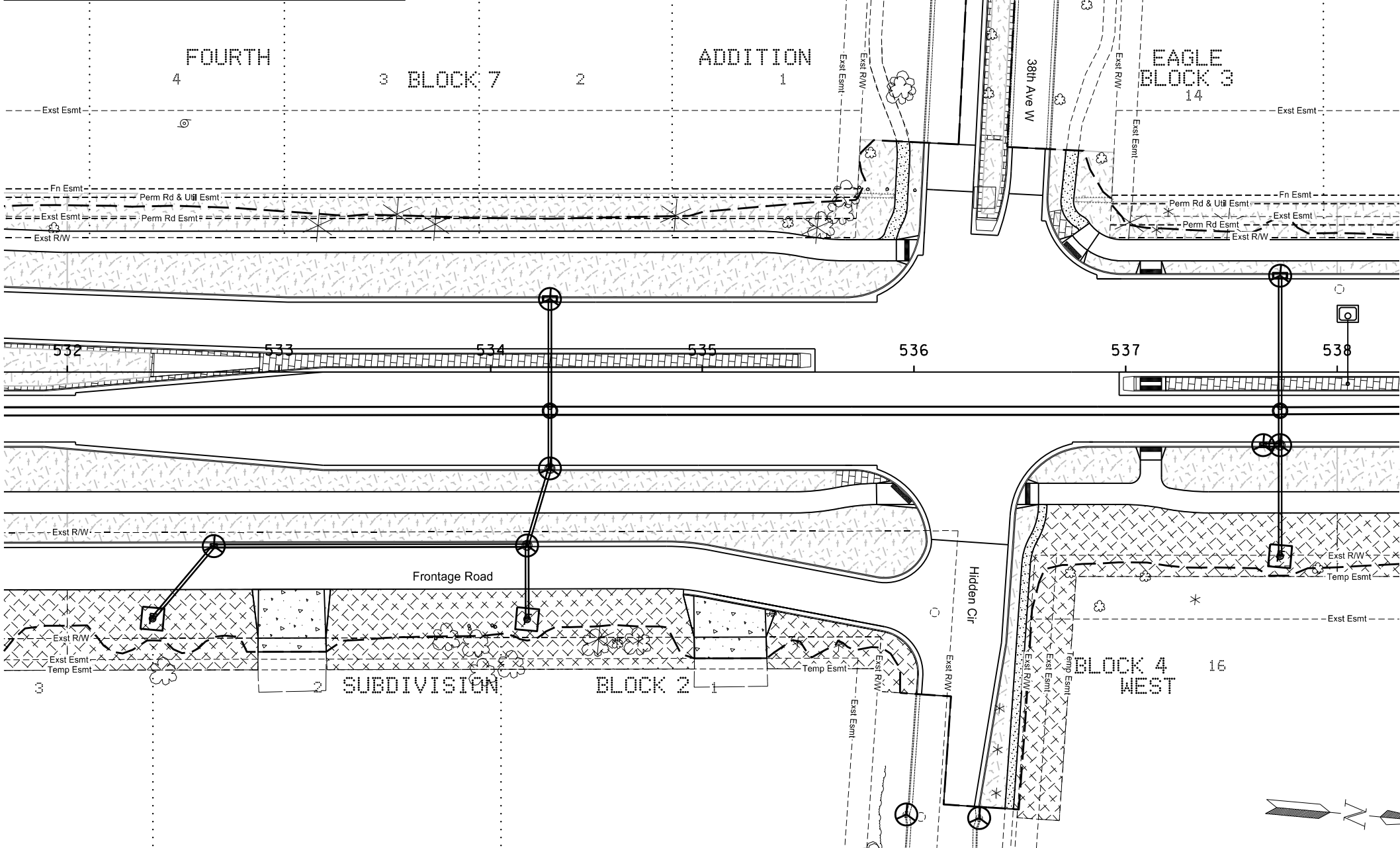
SLOPE PROTECTION	
Slope	Spacing (Ft)
3:1	45'
4:1 or Flatter	60'

708	1540	INLET PROTECTION - SPECIAL	
	532+69 82.2' Rt		1 EA
	534+17 81.9' Rt		1 EA
	534+28 34.5' Lt		1 EA
	534+28 45.5' Rt		1 EA
	537+65 34.5' Rt		1 EA
	537+73 45.5' Lt		1 EA
	537+73 34.5' Rt		1 EA
708	1541	REMOVE INLET PROTECTION-SPECIAL	
	532+69 82.2' Rt		1 EA
	534+17 81.9' Rt		1 EA
	534+28 34.5' Lt		1 EA
	534+28 45.5' Rt		1 EA
	535+36 305.8' Lt		1 EA
	536+74 308.1' Lt		1 EA
	535+96 208.9' Rt		1 EA
	536+30 210.6' Rt		1 EA
	537+65 34.5' Rt		1 EA
	537+73 45.5' Lt		1 EA
	537+73 34.5' Rt		1 EA

DITCH CHECKS	
Ditch Grade	Spacing (Ft)
1%	85'
2%	40'
3%	30'
4%	20'
5%	15'

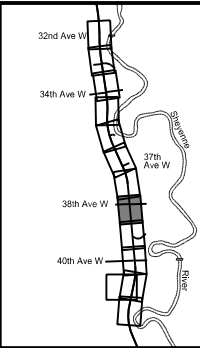
SLOPE PROTECTION	
Slope	Spacing (Ft)
3:1	45'
4:1 or Flatter	60'

SPEC CODE BID ITEM		QTY UNIT
251	0300 SEEDING CLASS III	
	532+00 to 536+05 Lt	0.36 ACRE
	532+00 to 536+05 Rt	0.52 ACRE
	532+00 to 532+38 Median	0.01 ACRE
	536+30 to 538+00 Lt	0.13 ACRE
	536+30 to 538+00 Rt	0.24 ACRE
253	0201 HYDRAULIC MULCH	
	532+00 to 536+05 Lt	0.36 ACRE
	532+00 to 536+05 Rt	0.26 ACRE
	532+00 to 532+38 Median	0.01 ACRE
	536+30 to 538+00 Lt	0.13 ACRE
	536+30 to 538+00 Rt	0.08 ACRE
253	0301 BONDED FIBER MATRIX	
	532+00 to 536+05 Rt	0.26 ACRE
	536+30 to 538+00 Rt	0.16 ACRE
708	1531 INLET PROTECTION - FIBER ROLL 12IN	
	532+40 116.4' Rt	1 EA
	534+17 116.7' Rt	1 EA
	537+73 86.9' Rt	1 EA
708	1533 REMOVAL INLET PROTECTION-FIBER ROLL 12IN	
	532+40 116.4' Rt	1 EA
	534+17 116.7' Rt	1 EA
	537+73 86.9' Rt	1 EA



LEGEND

- RIPRAP
- 6" TOPSOIL, SEEDING, AND HYDRAULIC MULCH
- TOPSOIL, SEEDING, AND BONDED FIBER MATRIX
- INLET PROTECTION - FIBER ROLL-12IN
- INLET PROTECTION - SPECIAL
- SILT FENCE
- FLOW DIRECTION
- GRADING TIE LINE



This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Permanent Erosion Control

Sta 532+00 to Sta 538+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	77	6

SPEC CODE BID ITEM QTY UNIT

251 0300 SEEDING CLASS III
538+00 to 544+00 Lt 0.42 ACRE
538+00 to 544+00 Rt 0.74 ACRE
540+36 to 544+00 Median 0.10 ACRE

253 0201 HYDRAULIC MULCH
538+00 to 544+00 Lt 0.42 ACRE
538+00 to 544+00 Rt 0.29 ACRE
540+36 to 544+00 Median 0.10 ACRE

253 0301 BONDED FIBER MATRIX
538+00 to 544+00 Rt 0.45 ACRE

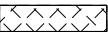
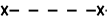
708 1531 INLET PROTECTION - FIBER ROLL 12IN
541+37 85.5' Rt 1 EA
543+00 90.5' Rt 1 EA

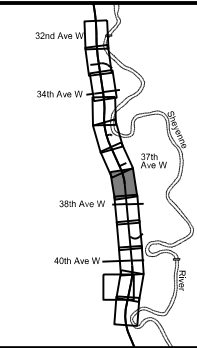
708 1533 REMOVAL INLET PROTECTION-FIBER ROLL 12IN
541+37 85.5' Rt 1 EA
543+00 90.5' Rt 1 EA

708 1540 INLET PROTECTION - SPECIAL
541+37 34.5' Lt 1 EA
541+37 34.5' Rt 1 EA

708 1541 REMOVE INLET PROTECTION-SPECIAL
541+37 34.5' Lt 1 EA
541+37 34.5' Rt 1 EA

LEGEND

-  RIPRAP
-  6" TOPSOIL, SEEDING, AND HYDRAULIC MULCH
-  TOPSOIL, SEEDING, AND BONDED FIBER MATRIX
-  INLET PROTECTION - FIBER ROLL-12IN
-  INLET PROTECTION - SPECIAL
-  SILT FENCE
-  FLOW DIRECTION
-  GRADING TIE LINE



This document was originally issued and sealed by Kevin J. Knott Registration Number PE- 5679, on 08/12/18 and the original document is stored at the City of West Fargo

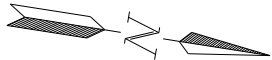
Sheyenne Street

Permanent Erosion Control

Sta 538+00 to Sta 544+00 (PR17)

DITCH CHECKS	
Ditch Grade	Spacing (Ft)
1%	85'
2%	40'
3%	30'
4%	20'
5%	15'

SLOPE PROTECTION	
Slope	Spacing (Ft)
3:1	45'
4:1 or Flatter	60'



708	1541	REMOVE INLET PROTECTION-SPECIAL	
	544+60 365.0' Rt		1 EA
	544+74 415.0' Lt		1 EA
	546+58 34.5' Lt		1 EA
	546+58 34.5' Rt		1 EA

SPEC CODE BID ITEM QTY UNIT

251	0300	SEEDING CLASS III	
	544+00 to 550+00 Lt		0.49 ACRE
	544+00 to 545+30 Rt		0.15 ACRE
	544+00 to 545+12 Median		0.03 ACRE
	545+60 to 550+00 Rt		0.49 ACRE
	549+33 to 550+00 Median		0.02 ACRE

253	0201	HYDRAULIC MULCH	
	544+00 to 550+00 Lt		0.49 ACRE
	544+00 to 545+30 Rt		0.07 ACRE
	544+00 to 545+12 Median		0.03 ACRE
	545+60 to 550+00 Rt		0.23 ACRE
	549+33 to 550+00 Median		0.02 ACRE

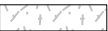
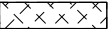
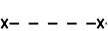
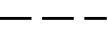
253	0301	BONDED FIBER MATRIX	
	544+00 to 545+30 Rt		0.08 ACRE
	545+60 to 550+00 Rt		0.26 ACRE

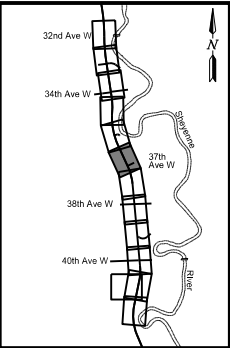
708	1531	INLET PROTECTION - FIBER ROLL 12IN	
	546+58 79.3' Rt		1 EA
	549+30 84.8' Rt		1 EA

708	1533	REMOVAL INLET PROTECTION-FIBER ROLL 12IN	
	546+58 79.3' Rt		1 EA
	549+30 84.8' Rt		1 EA

708	1540	INLET PROTECTION - SPECIAL	
	546+58 34.5' Lt		1 EA
	546+58 34.5' Rt		1 EA

LEGEND

-  RIPRAP
-  6" TOPSOIL, SEEDING, AND HYDRAULIC MULCH
-  TOPSOIL, SEEDING, AND BONDED FIBER MATRIX
-  INLET PROTECTION - FIBER ROLL-12IN
-  INLET PROTECTION - SPECIAL
-  SILT FENCE
-  FLOW DIRECTION
-  GRADING TIE LINE



This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Permanent Erosion Control

Sta 544+00 to Sta 550+00 (PR17)

DITCH CHECKS	
Ditch Grade	Spacing (Ft)
1%	85'
2%	40'
3%	30'
4%	20'
5%	15'

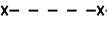
SLOPE PROTECTION	
Slope	Spacing (Ft)
3:1	45'
4:1 or Flatter	60'

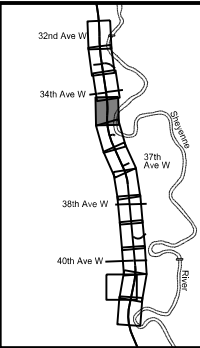
2 Inlet Protection - Special at Intersection
of 37th Ave W and Hidden Circle
Approx Sta 544+60 365' Rt
Approx Sta 544+74 415' Rt

708	1540	INLET PROTECTION - SPECIAL	
	556+25 34.5' Lt	1 EA	
	556+25 34.5' Rt	1 EA	
	561+53 34.5' Lt	1 EA	
	561+53 45.5' Rt	1 EA	
708	1541	REMOVE INLET PROTECTION-SPECIAL	
	556+25 34.5' Lt	1 EA	
	556+25 34.5' Rt	1 EA	
	561+53 34.5' Lt	1 EA	
	561+53 45.5' Rt	1 EA	

SPEC CODE	BID ITEM	QTY	UNIT
251	0300 SEEDING CLASS III		
	556+00 to 562+00 Lt	0.61	ACRE
	556+00 to 562+00 Rt	0.61	ACRE
	556+00 to 559+63 Median	0.10	ACRE
253	0201 HYDRAULIC MULCH		
	556+00 to 562+00 Lt	0.24	ACRE
	556+00 to 562+00 Rt	0.24	ACRE
	556+00 to 559+63 Median	0.10	ACRE
253	0301 BONDED FIBER MATRIX		
	556+00 to 562+00 Lt	0.37	ACRE
	556+00 to 562+00 Rt	0.37	ACRE
260	0201 REMOVE SILT FENCE SUPPORTED		
	553+53 to 556+00 Rt	147	LF
708	1531 INLET PROTECTION - FIBER ROLL 12IN		
	557+50 87.4' Lt	1 EA	
	559+50 77.4' Lt	1 EA	
	560+05 82.2' Rt	1 EA	
	561+53 71.3' Rt	1 EA	
708	1533 REMOVAL INLET PROTECTION-FIBER ROLL 12IN		
	557+50 87.4' Lt	1 EA	
	559+50 77.4' Lt	1 EA	
	560+05 82.2' Rt	1 EA	
	561+53 71.3' Rt	1 EA	

LEGEND

-  RIPRAP
-  6" TOPSOIL, SEEDING, AND HYDRAULIC MULCH
-  TOPSOIL, SEEDING, AND BONDED FIBER MATRIX
-  INLET PROTECTION - FIBER ROLL-12IN
-  INLET PROTECTION - SPECIAL
-  SILT FENCE
-  FLOW DIRECTION
-  GRADING TIE LINE

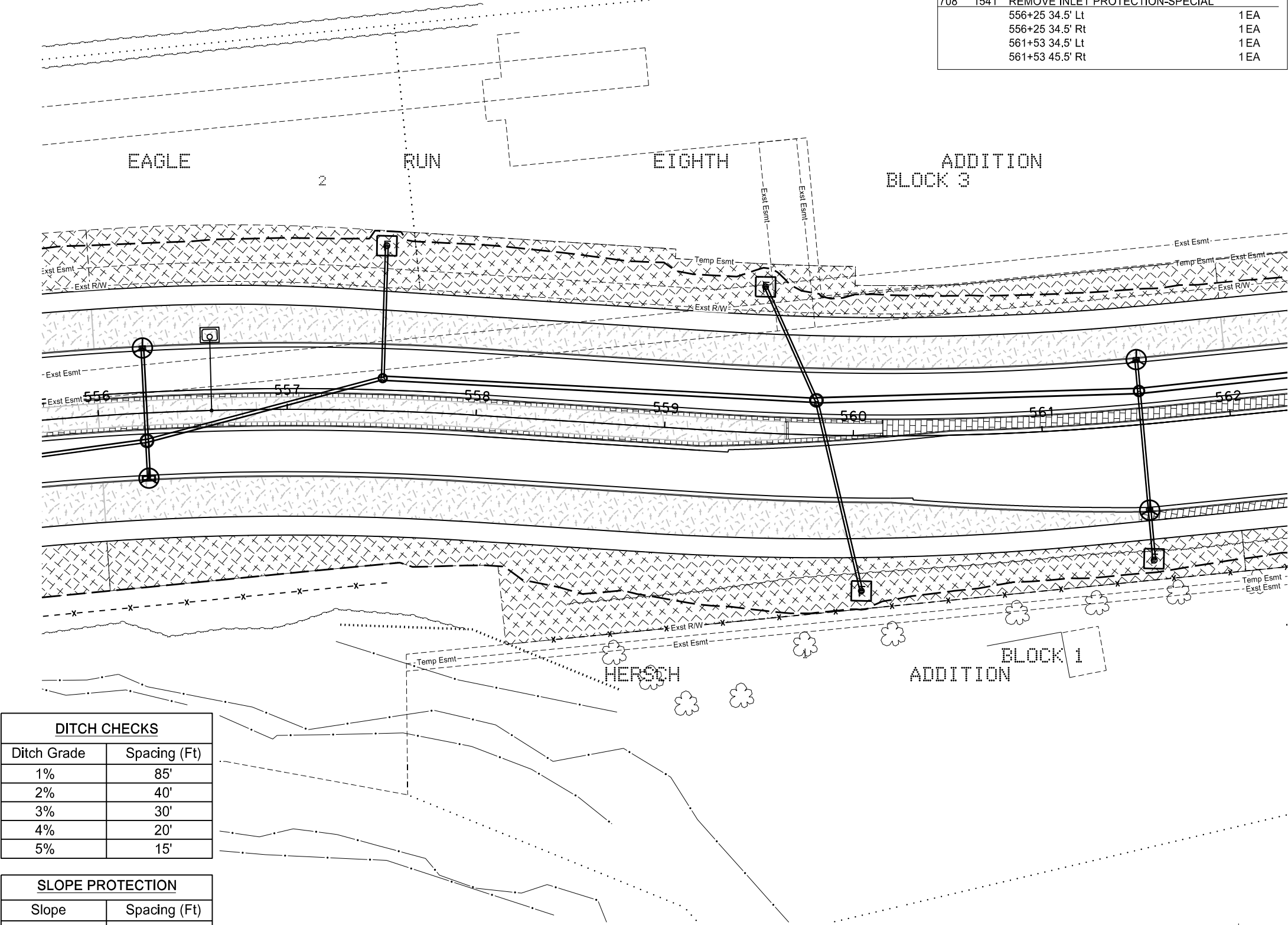


This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

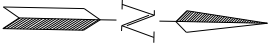
Permanent Erosion Control

Sta 556+00 to Sta 562+00 (PR17)



DITCH CHECKS	
Ditch Grade	Spacing (Ft)
1%	85'
2%	40'
3%	30'
4%	20'
5%	15'

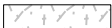
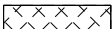
SLOPE PROTECTION	
Slope	Spacing (Ft)
3:1	45'
4:1 or Flatter	60'

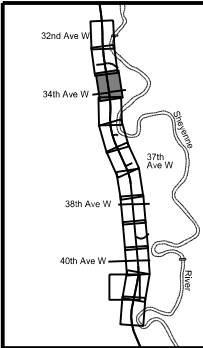


708	1533	REMOVAL INLET PROTECTION-FIBER ROLL 12IN	
	563+23 72.6' Rt	1EA	
	563+27 119.7' Rt	1EA	
	563+70 69.1' Rt	1EA	
	563+70 120.7' Rt	1EA	
	564+88 77.3' Lt	1EA	
	563+70 120.8' Rt	1EA	
	566+00 71.8' Rt	1EA	
708	1540	INLET PROTECTION - SPECIAL	
	564+88 46.7' Lt	1EA	
	564+88 35.6' Rt	1EA	
708	1541	REMOVE INLET PROTECTION-SPECIAL	
	562+97 304.5' Lt	1EA	
	563+98 302.1' Lt	1EA	
	564+88 46.7' Lt	1EA	
	564+88 35.6' Rt	1EA	

SPEC CODE	BID ITEM	QTY	UNIT
251	0300 SEEDING CLASS III		
	562+00 to 562+95 Lt	0.10	ACRE
	562+00 to 563+35 Rt	0.08	ACRE
	563+55 to 568+00 Rt	0.39	ACRE
	570+50 to 568+00 Lt	0.38	ACRE
	567+18 to 568+00 Median	0.03	ACRE
253	0201 HYDRAULIC MULCH		
	562+00 to 562+95 Lt	0.06	ACRE
	563+55 to 568+00 Rt	0.13	ACRE
	570+50 to 568+00 Lt	0.17	ACRE
	567+18 to 568+00 Median	0.03	ACRE
253	0301 BONDED FIBER MATRIX		
	562+00 to 562+95 Lt	0.04	ACRE
	562+00 to 563+35 Rt	0.08	ACRE
	563+55 to 568+00 Rt	0.26	ACRE
	570+50 to 568+00 Lt	0.21	ACRE
708	1531 INLET PROTECTION - FIBER ROLL 12IN		
	563+23 72.6' Rt	1EA	
	563+27 119.7' Rt	1EA	
	563+70 69.1' Rt	1EA	
	563+70 120.7' Rt	1EA	
	564+88 77.3' Lt	1EA	
	563+70 120.8' Rt	1EA	
	566+00 71.8' Rt	1EA	

LEGEND

-  RIPRAP
-  6" TOPSOIL, SEEDING, AND HYDRAULIC MULCH
-  TOPSOIL, SEEDING, AND BONDED FIBER MATRIX
-  INLET PROTECTION - FIBER ROLL-12IN
-  INLET PROTECTION - SPECIAL
-  SILT FENCE
-  FLOW DIRECTION
-  GRADING TIE LINE



This document was originally issued and sealed by Kevin J. Knott Registration Number PE- 5679, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street

Permanent Erosion Control

Sta 562+00 to Sta 568+00 (PR17)

DITCH CHECKS	
Ditch Grade	Spacing (Ft)
1%	85'
2%	40'
3%	30'
4%	20'
5%	15'

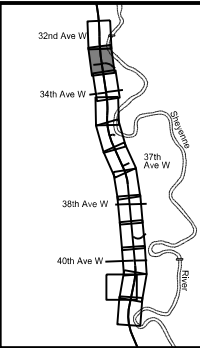
SLOPE PROTECTION	
Slope	Spacing (Ft)
3:1	45'
4:1 or Flatter	60'

708	1533	REMOVAL INLET PROTECTION-FIBER ROLL 12IN	
	568+50 83.0' Lt		1 EA
	568+50 72.0' Rt		1 EA
	569+91 77.3' Rt		1 EA
	570+45 80.8' Rt		1 EA
	572+53 89.7' Rt		1 EA
	573+00 51.2' Lt		1 EA
708	1540	INLET PROTECTION - SPECIAL	
	568+50 38.6' Lt		1 EA
	568+50 38.6' Rt		1 EA
	572+92 51.0' Rt		1 EA
	573+00 51.0' Rt		1 EA
708	1541	REMOVE INLET PROTECTION-SPECIAL	
	568+50 38.6' Lt		1 EA
	568+50 38.6' Rt		1 EA
	572+92 51.0' Rt		1 EA
	573+00 40.0' Lt		1 EA
	573+00 51.0' Rt		1 EA

SPEC CODE	BID ITEM	QTY	UNIT
251	0300 SEEDING CLASS III		
	568+00 to 569+90 Lt	0.19	ACRE
	568+00 to 570+10 Rt	0.23	ACRE
	568+00 to 571+94 Median	0.17	ACRE
	570+10 to 572+00 Rt	0.41	ACRE
	570+50 to 572+00 Lt	0.08	ACRE
253	0201 HYDRAULIC MULCH		
	568+00 to 569+90 Lt	0.08	ACRE
	568+00 to 570+10 Rt	0.06	ACRE
	568+00 to 571+94 Median	0.17	ACRE
	570+10 to 572+00 Rt	0.14	ACRE
	570+50 to 572+00 Lt	0.05	ACRE
253	0301 BONDED FIBER MATRIX		
	568+00 to 569+90 Lt	0.11	ACRE
	568+00 to 570+10 Rt	0.17	ACRE
	570+10 to 572+00 Rt	0.27	ACRE
	570+50 to 572+00 Lt	0.03	ACRE
708	1531 INLET PROTECTION - FIBER ROLL 12IN		
	568+50 83.0' Lt	1 EA	
	568+50 72.0' Rt	1 EA	
	569+91 77.3' Rt	1 EA	
	570+45 80.8' Rt	1 EA	
	572+53 89.7' Rt	1 EA	
	573+00 51.2' Lt	1 EA	

LEGEND

- RIPRAP
- 6" TOPSOIL, SEEDING, AND HYDRAULIC MULCH
- TOPSOIL, SEEDING, AND BONDED FIBER MATRIX
- INLET PROTECTION - FIBER ROLL-12IN
- INLET PROTECTION - SPECIAL
- SILT FENCE
- FLOW DIRECTION
- GRADING TIE LINE



This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Permanent Erosion Control

Sta 568+00 to Sta 574+00 (PR17)

DITCH CHECKS	
Ditch Grade	Spacing (Ft)
1%	85'
2%	40'
3%	30'
4%	20'
5%	15'

SLOPE PROTECTION	
Slope	Spacing (Ft)
3:1	45'
4:1 or Flatter	60'

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	77	12

SPEC CODE BID ITEM QTY UNIT

251 0300 SEEDING CLASS III
574+00 to 576+15 Rt 0.24 ACRE
575+50 to 576+10 Lt 0.05 ACRE

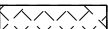
253 0201 HYDRAULIC MULCH
574+00 to 576+15 Rt 0.07 ACRE
575+50 to 576+10 Lt 0.05 ACRE

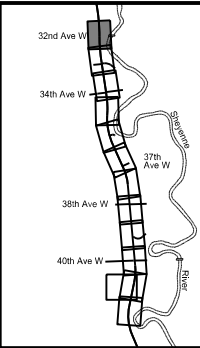
253 0301 BONDED FIBER MATRIX
574+00 to 576+15 Rt 0.17 ACRE

260 0201 REMOVE SILT FENCE SUPPORTED
574+69 119' Rt to 576+15 173' Rt 155 LF

708 1541 REMOVE INLET PROTECTION-SPECIAL
576+10 131.9' Rt 1 EA

LEGEND

-  RIPRAP
-  6" TOPSOIL, SEEDING, AND HYDRAULIC MULCH
-  TOPSOIL, SEEDING, AND BONDED FIBER MATRIX
-  INLET PROTECTION - FIBER ROLL-12IN
-  INLET PROTECTION - SPECIAL
-  SILT FENCE
-  FLOW DIRECTION
-  GRADING TIE LINE

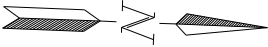
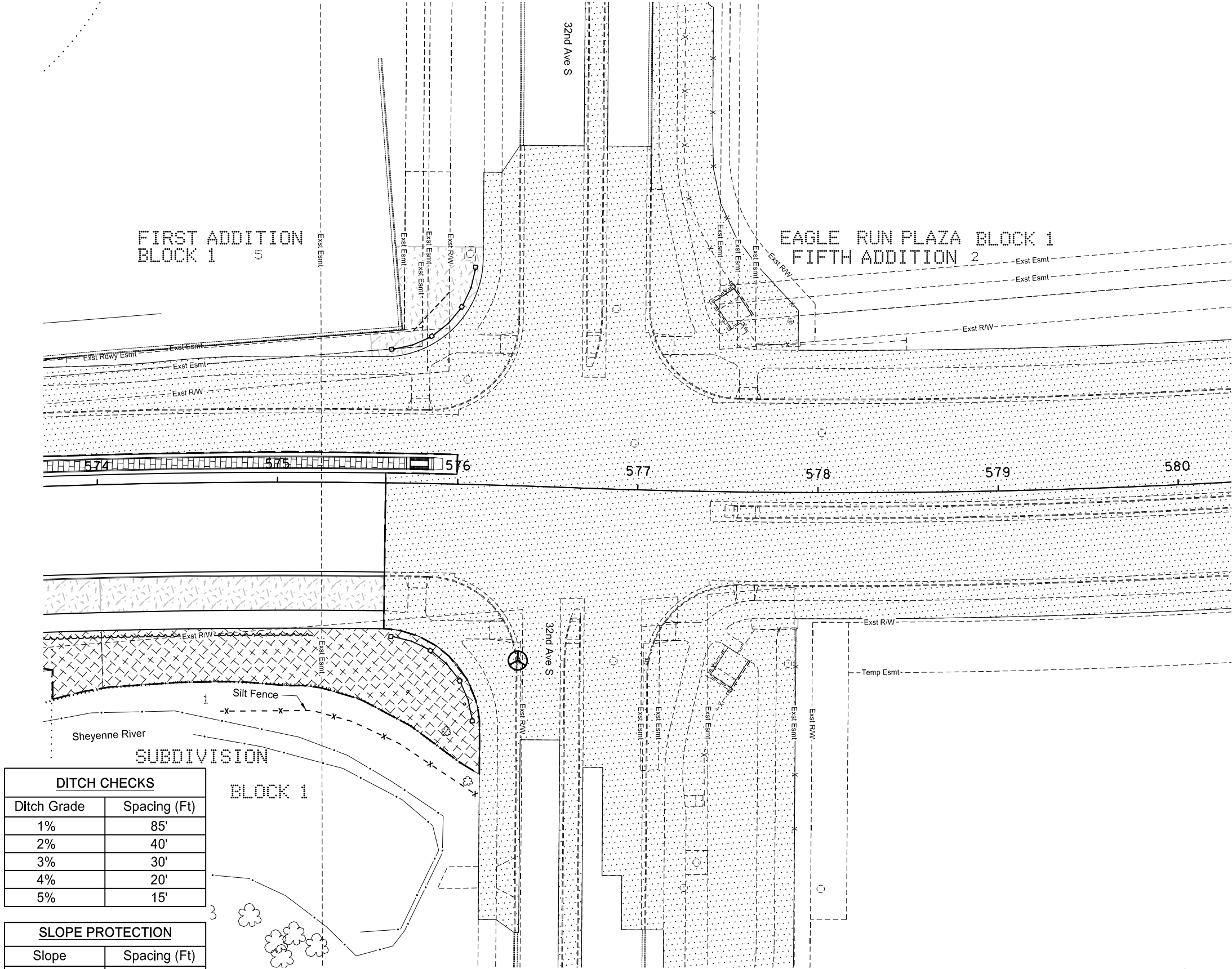


This document was originally issued and sealed by
Kevin J. Knott
Registration Number
PE- 5679,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

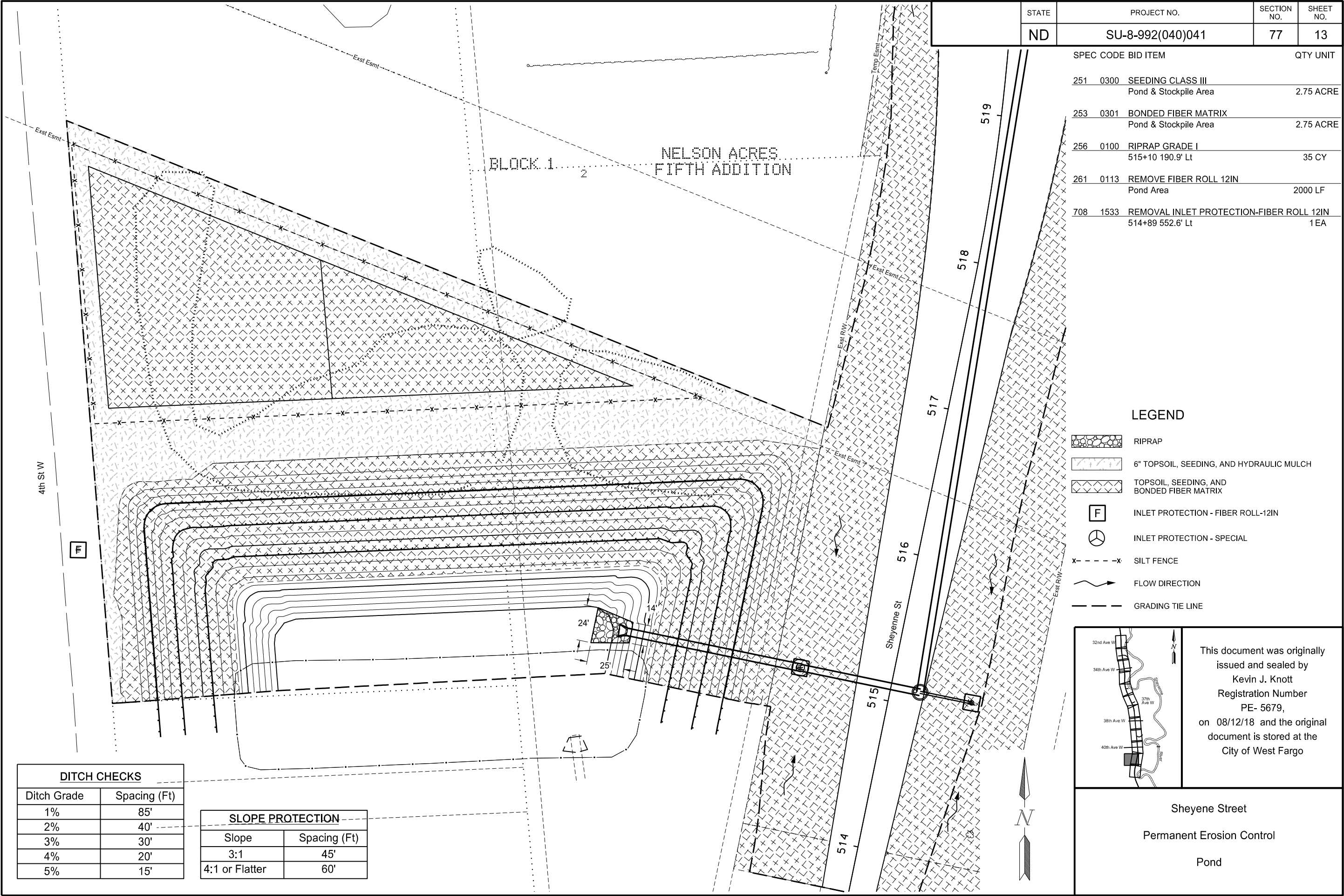
Permanent Erosion Control

Sta 574+00 to Sta 580+00 (PR17)

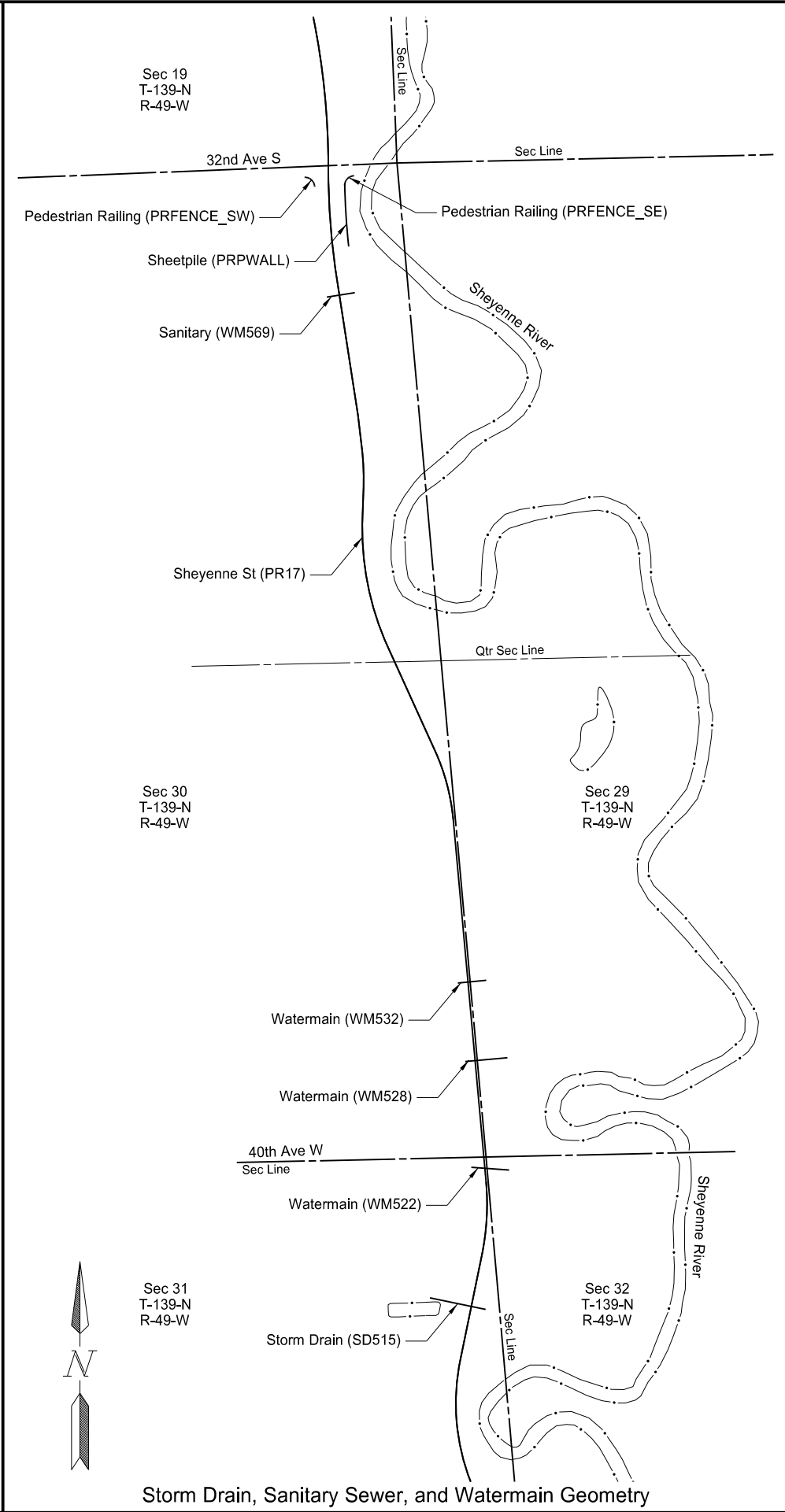
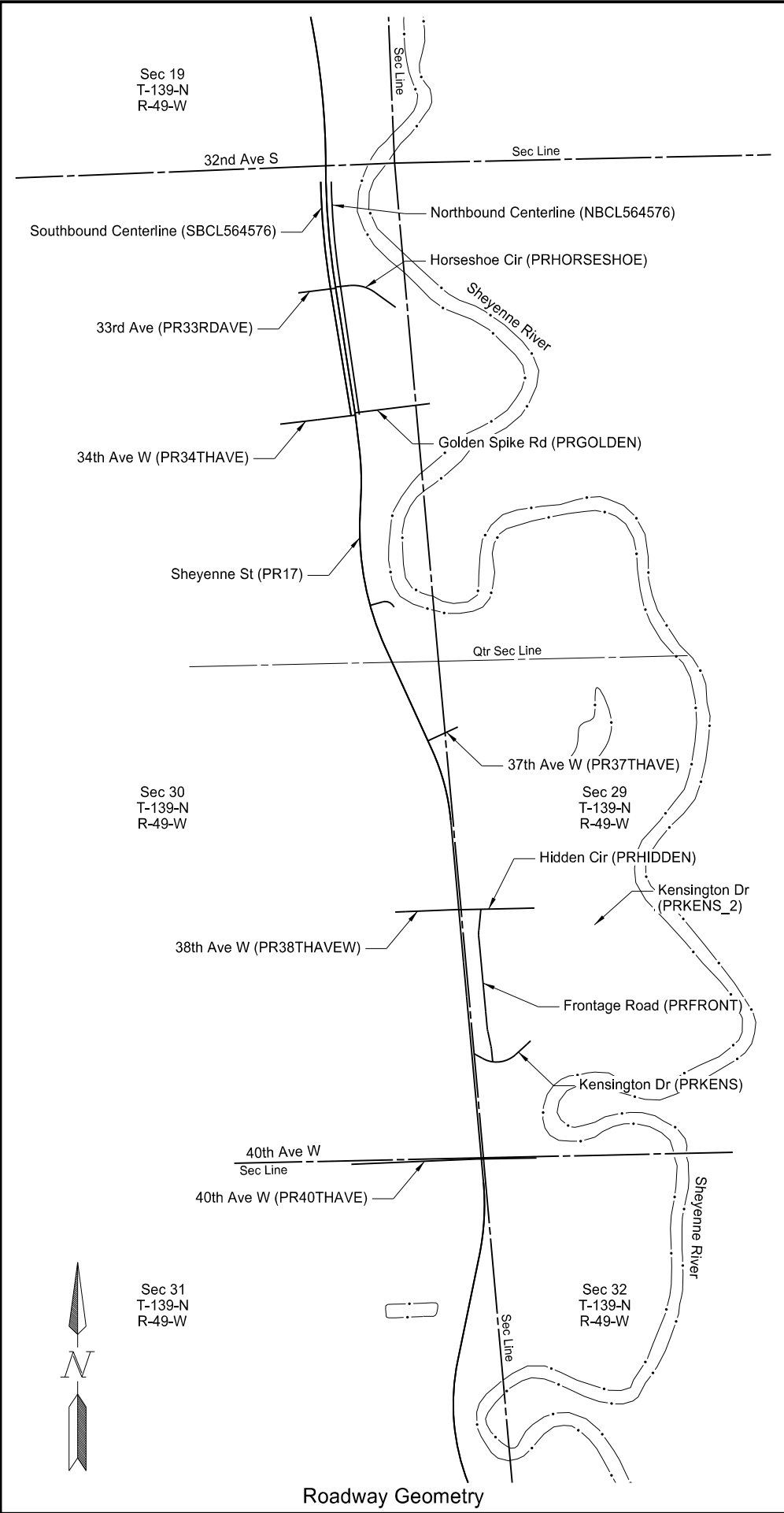


DITCH CHECKS	
Ditch Grade	Spacing (Ft)
1%	85'
2%	40'
3%	30'
4%	20'
5%	15'

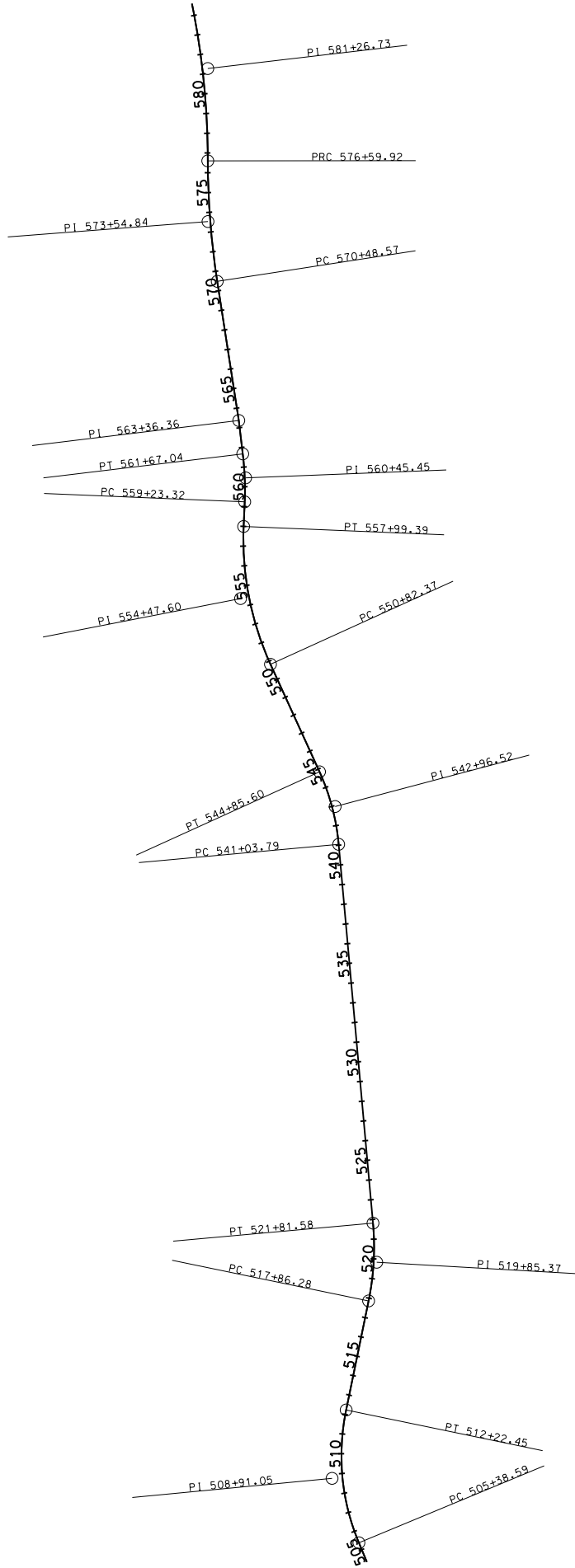
SLOPE PROTECTION	
Slope	Spacing (Ft)
3:1	45'
4:1 or Flatter	60'



PRELIMINARY SURVEY COORDINATE AND CURVE DATA - WEST FARGO HORACE INT (40TH AVE TO 32ND AVE)											STATE	PROJECT NO.		SECTION NO.	SHEET NO.	
										ND		SU-8-992(040)041		81	1	
HORIZONTAL ALIGNMENT				CURVE DATA		US PUBLIC LAND SURVEY DATA				SURVEY CONTROL POINTS						
PNT	STATION	NORTHING	EASTING	ARC DEFINITION		DESC.	SEC-TWP-RGE	NORTHING	EASTING	PNT	NORTHING	EASTING	ELEV	STATION	OFFSET	
Co Rd 17 (Chain SCL17)				Curve SCL17-3		E 1/4 Cor	Sec 31 T-139-N R-49-W	438157.88	2869137.63	CONTROL POINT DESCRIPTION						
Begin	257+22.03	439962.65	2868785.39	PI STA	= 263+93.05	NE Cor	Sec 31 T-139-N R-49-W	440895.29	2868896.63							
PC	261+83.04	440414.17	2868878.48	Delta	= 16° 40' 56"	N 1/4 Cor	Sec 31 T-139-N R-49-W	440781.64	2866232.40	Primary Control						
PI SCL17-3	263+93.05	440619.85	2868920.88	Da	= 4° 00' 00"	NW Cor	Sec 31 T-139-N R-49-W	440651.54	2863182.15							
PT	266+00.09	440829.06	2868902.46	R	= 1432.39'	SE Cor	Sec 31 T-139-N R-49-W	435427.04	2869379.52							
Sec Line	266+66.57	440895.28	2868896.63	T	= 210.01'	S 1/4 Cor	Sec 31 T-139-N R-49-W	435401.66	2866697.42							
PC	284+61.25	442682.63	2868734.56	L	= 417.05'	N 1/4 Cor	Sec 32 T-139-N R-49-W	440935.07	2871520.08							
PI SCL17-4	286+58.39	442878.97	2868716.75			NE Cor	Sec 32 T-139-N R-49-W	440976.38	2874143.99	Secondary Control						
PT	288+51.72	443058.07	2868634.36	Curve SCL17-4		E 1/4 Cor	Sec 30 T-139-N R-49-W	443523.41	2868658.00	RTK4	439880.02	2868747.15	907.09			
PC	293+08.49	443473.03	2868443.45	PI STA	= 286+58.39	NE Cor	Sec 30 T-139-N R-49-W	446159.15	2868425.59	RTK5	440403.83	2868915.64	906.37			
Sec Line(Bk tan)	293+53.55	443513.97	2868424.62	Delta	= 19° 31' 24"	N 1/4 Cor	Sec 30 T-139-N R-49-W	446076.99	2865779.62	RTK6	440415.14	2868855.55	906.20			
PI SCL17-5	294+88.34	443636.42	2868368.29	Da	= 5° 00' 00"	NW Cor	Sec 30 T-139-N R-49-W	445941.65	2862913.84	RTK8	440824.95	2868870.76	906.05			
PT	296+65.28	443814.98	2868346.79	R	= 1145.92'	W 1/4 Cor	Sec 30 T-139-N R-49-W	443296.59	2863048.00	RTK9	441338.37	2868891.68	903.92			
End	319+47.46	446080.79	2868073.99	T	= 197.14'	N 1/4 Cor	Sec 29 T-139-N R-49-W	446218.02	2871081.41	RTK10	441383.89	2868820.29	903.95			
				L	= 390.47'	NE Cor	Sec 29 T-139-N R-49-W	446276.82	2873737.23	RTK11	441832.68	2868873.58	902.53			
						E 1/4 Cor	Sec 29 T-139-N R-49-W	443626.04	2873940.41	RTK12	441821.34	2868779.88	903.22			
				Curve SCL17-5						RTK15	442655.35	2868768.03	903.98			
				PI STA	= 294+88.34					RTK16	442650.35	2868704.52	902.78			
				Delta	= 17° 50' 22"					RTK17	443156.99	2868628.40	905.95			
				Da	= 5° 00' 00"					RTK18	443123.63	2868564.59	903.40			
				R	= 1145.92'					RTK19	443554.78	2868458.58	903.42			
				T	= 179.85'					RTK20	443523.94	2868384.02	905.55			
				L	= 356.79'					RTK21	444100.58	2868346.11	904.27			
										RTK22	444092.67	2868282.27	904.41			
										RTK23	444862.36	2868264.09	905.87			
										RTK24	444680.80	2868195.57	902.89			
										RTK26	445143.56	2868159.67	905.35			
										RTK27	445495.98	2868209.45	904.21			
										RTK28	445568.33	2868063.07	903.70			
										All coordinates and measurements on this document derived from the International Foot definition.			This document was originally issued and sealed by Shawn M Thomasson Registration Number PLS-5900 , on 08/12/18 and the original document is stored at the City of West Fargo			
															INITIALIZING BENCH MARK NDGPS Stations (OPUS)	
															☒ NAVD-88 ☐ NGVD-29	
										☐ GEOID 09 ☐ _____ ☒ GEOID 12A						
NOTES:				Date Survey Completed 07/08/2016		☐ Assumed Coordinates ☒ All coordinates on this sheet are Cass County ground coordinates. They are derived from the NAD83(2011) reference frame; North Dakota South Zone Combination Factor (cf) = 0.9998875										



	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	81	2
This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/12/18 and the original document is stored at the City of West Fargo				
Sheyenne Street				
Survey Coordinate and Curve Data				
Alignment Overview				



Point PR171 N 438,650.8804 E 2,869,032.7071 Sta 499+96.19

Course from PR171 to PC PR17 3 N 22° 33' 31.55" W Dist 542.3960

Curve Data

Curve PR17 3
P.I. Station 508+91.05 N 439,477.2728 E 2,868,689.4108
Delta = 34° 12' 30.82" (RT)
Degree = 5° 00' 08.07"
Tangent = 352.4653
Length = 683.8645
Radius = 1,145.4020
External = 53.0043
Long Chord = 673.7523
Mid. Ord. = 50.6599
P.C. Station 505+38.59 N 439,151.7758 E 2,868,824.6273
P.T. Station 512+22.45 N 439,822.4773 E 2,868,760.5838
C.C. N 439,591.1872 E 2,869,882.3907
Back = N 22° 33' 31.55" W
Ahead = N 11° 38' 59.27" E
Chord Bear = N 5° 27' 16.14" W

Course from PT PR17 3 to PC PR17 6 N 11° 38' 59.27" E Dist 563.8320

Curve Data

Curve PR17 6
P.I. Station 519+85.37 N 440,569.6786 E 2,868,914.6391
Delta = 16° 50' 15.90" (LT)
Degree = 4° 15' 34.12"
Tangent = 199.0852
Length = 395.3007
Radius = 1,345.1360
External = 14.6529
Long Chord = 393.8798
Mid. Ord. = 14.4950
P.C. Station 517+86.28 N 440,374.6945 E 2,868,874.4380
P.T. Station 521+81.58 N 440,767.9482 E 2,868,896.6372
C.C. N 440,646.3167 E 2,867,557.0116
Back = N 11° 38' 59.27" E
Ahead = N 5° 11' 16.63" W
Chord Bear = N 3° 13' 51.32" E

Course from PT PR17 6 to PC PR17 9 N 5° 11' 16.63" W Dist 1,922.2102

Curve Data

Curve PR17 9
P.I. Station 542+96.52 N 442,874.2197 E 2,868,705.3980
Delta = 19° 17' 01.36" (LT)
Degree = 5° 03' 02.40"
Tangent = 192.7253
Length = 381.8052
Radius = 1,134.4200
External = 16.2545
Long Chord = 380.0057
Mid. Ord. = 16.0249
P.C. Station 541+03.79 N 442,682.2839 E 2,868,722.8248
P.T. Station 544+85.60 N 443,049.6318 E 2,868,625.5629
C.C. N 442,579.7061 E 2,867,593.0520
Back = N 5° 11' 16.63" W
Ahead = N 24° 28' 17.99" W
Chord Bear = N 14° 49' 47.31" W

Course from PT PR17 9 to PC PR17 12 N 24° 28' 17.99" W Dist 596.7679

Curve Data

Curve PR17 12
P.I. Station 554+47.60 N 443,925.2171 E 2,868,227.0585
Delta = 26° 53' 17.76" (RT)
Degree = 3° 45' 00.00"
Tangent = 365.2381
Length = 717.0205
Radius = 1,527.8875
External = 43.0482
Long Chord = 710.4589
Mid. Ord. = 41.8686
P.C. Station 550+82.37 N 443,592.7898 E 2,868,378.3559
P.T. Station 557+99.39 N 444,290.1303 E 2,868,242.4588
C.C. N 444,225.7067 E 2,869,768.9875
Back = N 24° 28' 17.99" W
Ahead = N 2° 24' 59.77" E
Chord Bear = N 11° 01' 39.11" W

Course from PT PR17 12 to PC PR17 15 N 2° 24' 59.77" E Dist 123.9348

Curve PR17 15
P.I. Station 560+45.45 N 444,535.9732 E 2,868,252.8341
Delta = 9° 18' 33.40" (LT)
Degree = 3° 49' 10.99"
Tangent = 122.1269
Length = 243.7163
Radius = 1,500.0000
External = 4.9635
Long Chord = 243.4483
Mid. Ord. = 4.9471
P.C. Station 559+23.32 N 444,413.9549 E 2,868,247.6845
P.T. Station 561+67.04 N 444,657.2175 E 2,868,238.1776
C.C. N 444,477.2026 E 2,866,749.0186
Back = N 2° 24' 59.77" E
Ahead = N 6° 53' 33.62" W
Chord Bear = N 2° 14' 16.93" W

Course from PT PR17 15 to PR1718 N 6° 53' 33.62" W Dist 169.3251

Point PR1718 N 444,825.3188 E 2,868,217.8569 Sta 563+36.36

Course from PR1718 to PC PR17 20 N 8° 47' 47.85" W Dist 712.2049

Curve Data

Curve PR17 20
P.I. Station 573+54.84 N 445,831.8164 E 2,868,062.1036
Delta = 8° 45' 25.13" (RT)
Degree = 1° 25' 56.62"
Tangent = 306.2727
Length = 611.3525
Radius = 4,000.0000
External = 11.7082
Long Chord = 610.7577
Mid. Ord. = 11.6741
P.C. Station 570+48.57 N 445,529.1463 E 2,868,108.9411
P.T. Station 576+59.92 N 446,138.0891 E 2,868,061.8916
C.C. N 446,140.8568 E 2,872,061.8907
Back = N 8° 47' 47.85" W
Ahead = N 0° 02' 22.72" W
Chord Bear = N 4° 25' 05.29" W

Curve Data

Curve PR17 21
P.I. Station 581+26.73 N 446,604.9032 E 2,868,061.5686
Delta = 13° 18' 46.88" (LT)
Degree = 1° 25' 56.62"
Tangent = 466.8143
Length = 929.4242
Radius = 4,000.0000
External = 27.1473
Long Chord = 927.3349
Mid. Ord. = 26.9643
P.C. Station 576+59.92 N 446,138.0891 E 2,868,061.8916
P.T. Station 585+89.34 N 447,059.0981 E 2,867,953.7606
C.C. N 446,135.3213 E 2,864,061.8926
Back = N 0° 02' 22.72" W
Ahead = N 13° 21' 09.60" W
Chord Bear = N 6° 41' 46.16" W

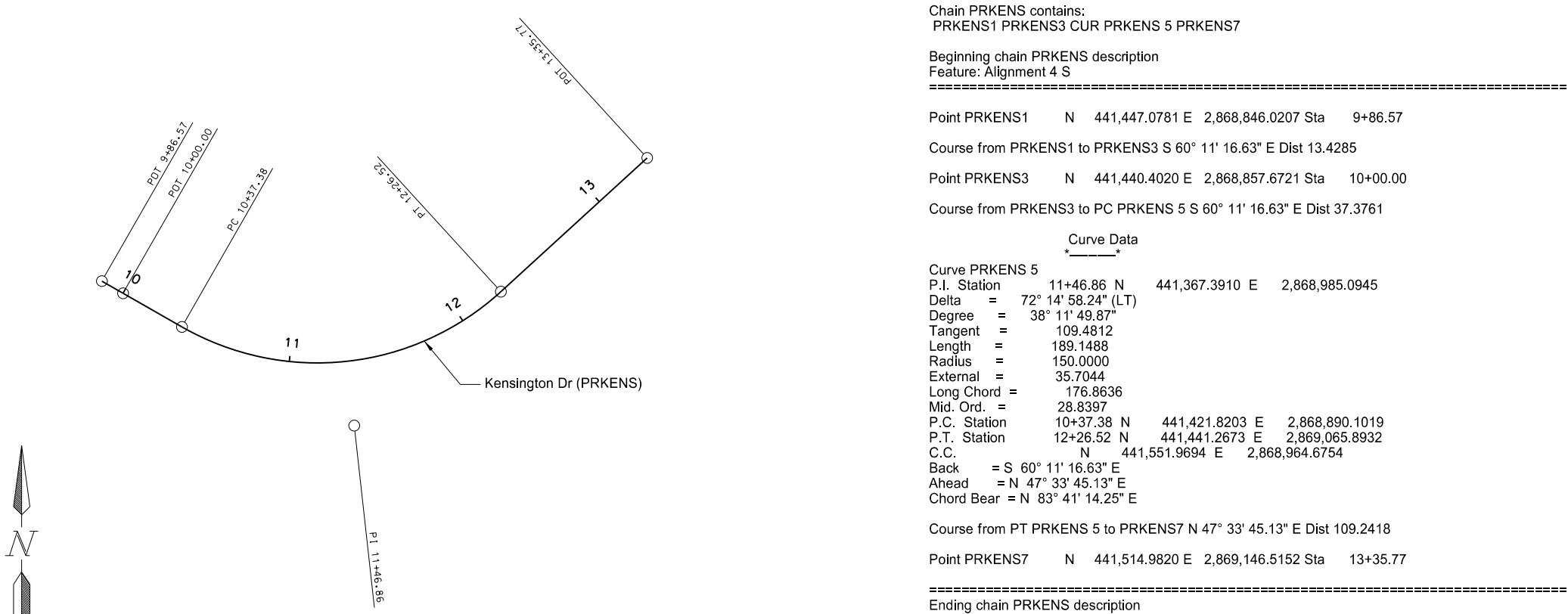
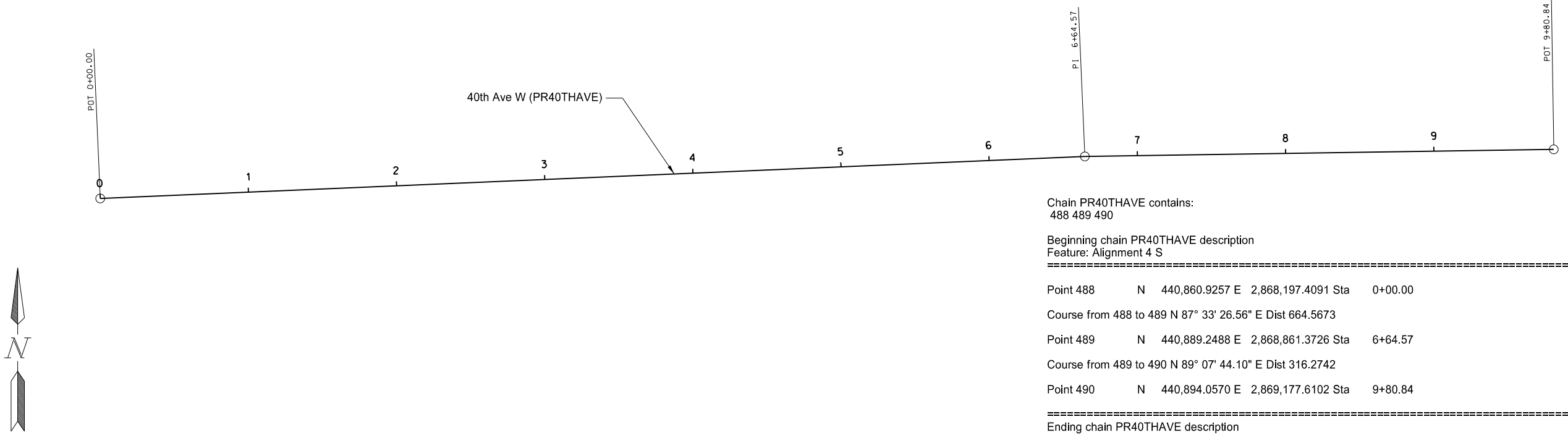
Curve Data

Curve PR17 22
P.I. Station 587+42.95 N 447,208.5534 E 2,867,918.2858
Delta = 7° 01' 55.28" (RT)
Degree = 2° 17' 30.59"
Tangent = 153.6078
Length = 306.8299
Radius = 2,500.0000
External = 4.7146
Long Chord = 306.6374
Mid. Ord. = 4.7058
P.C. Station 585+89.34 N 447,059.0981 E 2,867,953.7606
P.T. Station 588+96.17 N 447,361.2275 E 2,867,901.3747
C.C. N 447,636.4586 E 2,870,386.1781
Back = N 13° 21' 09.60" W
Ahead = N 6° 19' 14.32" W
Chord Bear = N 9° 50' 11.96" W

Course from PT PR17 22 to PC PR17 25 N 6° 19' 14.32" W Dist 575.2836

This document was originally
issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original
document is stored at the
City of West Fargo

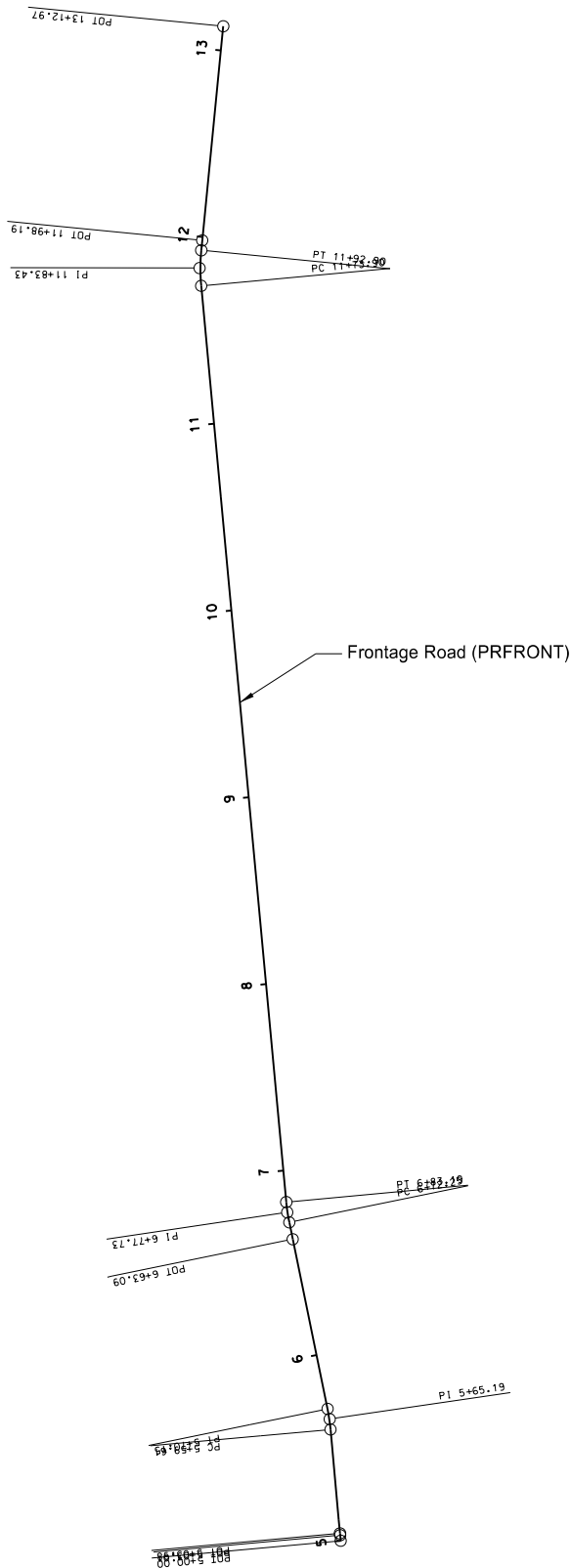
Sheyenne Street
Survey Coordinate and Curve Data
PR17



This document was originally
issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original
document is stored at the
City of West Fargo

Sheyenne Street
Survey Coordinate and Curve Data
PR40THAVE & PRKENS

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	81	5



Chain PRFRONT contains:
PRFRONT1 PRFRONT3 PRFRONT5 CUR PRFRONT 7 PRFRONT10 CUR PRFRONT 12 CUR PRFRONT -
15 PRFRONT18 PRFRONT19

Beginning chain PRFRONT description
Feature: Alignment 2 S

Point PRFRONT1 N 441,403.2447 E 2,868,945.1569 Sta 5+00.00

Course from PRFRONT1 to PRFRONT3 N 5° 11' 16.92" W Dist 3.0107

Point PRFRONT3 N 441,406.2431 E 2,868,944.8846 Sta 5+03.01

Course from PRFRONT3 to PRFRONT5 N 5° 11' 16.92" W Dist 0.9737

Point PRFRONT5 N 441,407.2128 E 2,868,944.7966 Sta 5+03.98

Course from PRFRONT5 to PC PRFRONT 7 N 5° 11' 16.92" W Dist 55.6265

Curve Data

Curve PRFRONT 7
P.I. Station 5+65.19 N 441,468.1652 E 2,868,939.2623
Delta = 6° 23' 01.20" (LT)
Degree = 57° 17' 44.81"
Tangent = 5.5766
Length = 11.1416
Radius = 100.0000
External = 0.1554
Long Chord = 11.1358
Mid. Ord. = 0.1551
P.C. Station 5+59.61 N 441,462.6115 E 2,868,939.7666
P.T. Station 5+70.75 N 441,473.6284 E 2,868,938.1437
C.C. N 441,453.5690 E 2,868,840.1762
Back = N 5° 11' 16.92" W
Ahead = N 11° 34' 18.13" W
Chord Bear = N 8° 22' 47.53" W

Course from PT PRFRONT 7 to PRFRONT10 N 11° 34' 18.13" W Dist 92.3398

Point PRFRONT10 N 441,564.0913 E 2,868,919.6209 Sta 6+63.09

Course from PRFRONT10 to PC PRFRONT 12 N 11° 34' 18.13" W Dist 9.1562

Curve Data

Curve PRFRONT 12
P.I. Station 6+77.73 N 441,578.4272 E 2,868,916.6855
Delta = 6° 16' 12.45" (RT)
Degree = 57° 17' 44.81"
Tangent = 5.4772
Length = 10.9434
Radius = 100.0000
External = 0.1499
Long Chord = 10.9380
Mid. Ord. = 0.1497
P.C. Station 6+72.25 N 441,573.0614 E 2,868,917.7842
P.T. Station 6+83.19 N 441,583.8810 E 2,868,916.1794
C.C. N 441,593.1208 E 2,869,015.7516
Back = N 11° 34' 18.13" W
Ahead = N 5° 18' 05.68" W
Chord Bear = N 8° 26' 11.90" W

Course from PT PRFRONT 12 to PC PRFRONT 15 N 5° 18' 05.68" W Dist 490.7046

Curve Data

Curve PRFRONT 15
P.I. Station 11+83.43 N 442,081.9766 E 2,868,869.9587
Delta = 10° 53' 19.46" (RT)
Degree = 57° 17' 44.81"
Tangent = 9.5309
Length = 19.0044
Radius = 100.0000
External = 0.4532
Long Chord = 18.9758
Mid. Ord. = 0.4511
P.C. Station 11+73.90 N 442,072.4864 E 2,868,870.8393
P.T. Station 11+92.90 N 442,091.4622 E 2,868,870.8866
C.C. N 442,081.7262 E 2,868,970.4115
Back = N 5° 18' 05.68" W
Ahead = N 5° 35' 13.78" E
Chord Bear = N 0° 08' 34.05" E

Course from PT PRFRONT 15 to PRFRONT18 N 5° 35' 13.78" E Dist 5.2937

Point PRFRONT18 N 442,096.7308 E 2,868,871.4020 Sta 11+98.19

Course from PRFRONT18 to PRFRONT19 N 5° 35' 13.78" E Dist 114.7779

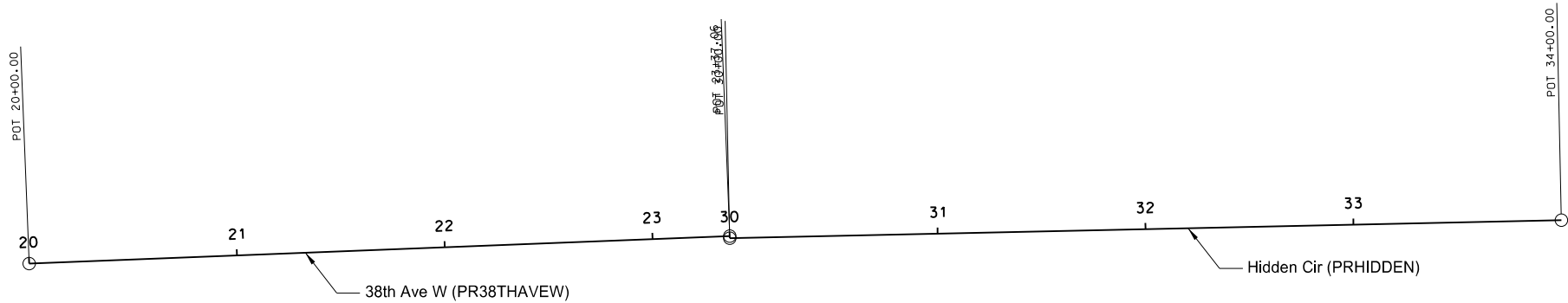
Point PRFRONT19 N 442,210.9634 E 2,868,882.5768 Sta 13+12.97

Ending chain PRFRONT description

This document was originally
issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original
document is stored at the
City of West Fargo

Sheyenne Street
Survey Coordinate and Curve Data
PRFRONT

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	81	6



Chain PR38THAVEW contains:
450 451

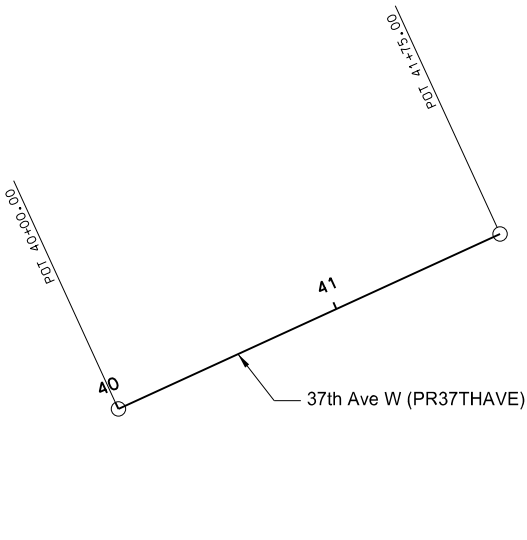
Beginning chain PR38THAVEW description
Feature: Alignment 4 S

Point 450 N 442,196.2587 E 2,868,428.9991 Sta 20+00.00

Course from 450 to 451 N 87° 44' 41.60" E Dist 337.0616

Point 451 N 442,209.5217 E 2,868,765.7997 Sta 23+37.06

Ending chain PR38THAVEW description



Chain PR37THAVE contains:
469 470

Beginning chain PR37THAVE description
Feature: Alignment 4 S

Point 469 N 443,101.9131 E 2,868,601.7681 Sta 40+00.00

Course from 469 to 470 N 65° 22' 23.09" E Dist 175.0000

Point 470 N 443,174.8369 E 2,868,760.8502 Sta 41+75.00

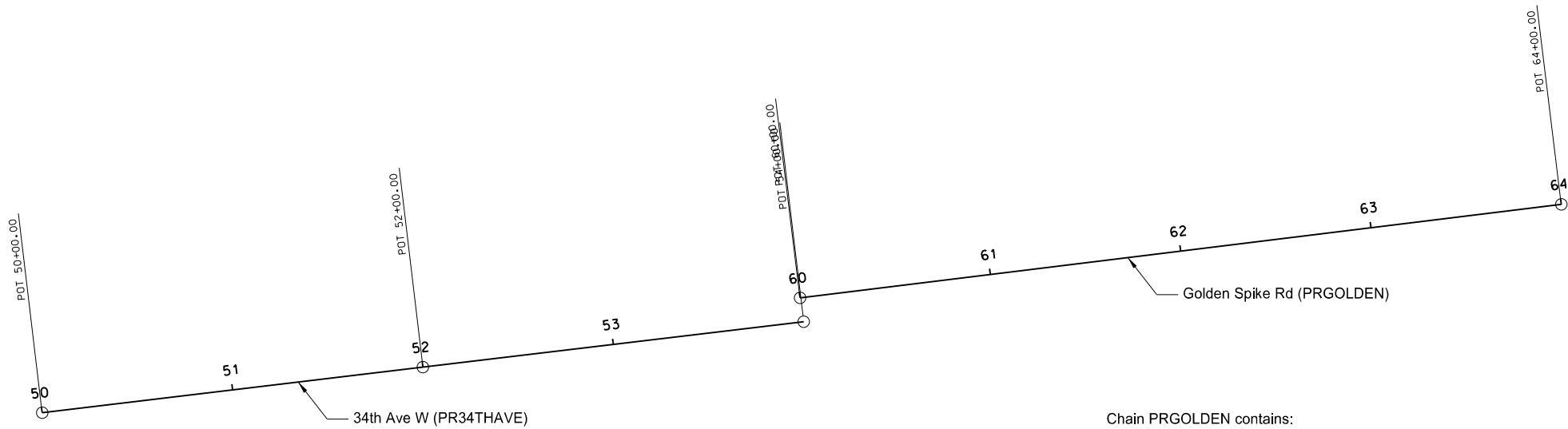
Ending chain PR37THAVE description



This document was originally
issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original
document is stored at the
City of West Fargo

Sheyenne Street
Survey Coordinate and Curve Data
PR38THAVEW, PRHIDDEN & PR37THAVE

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	81	7



Chain PR34THAVE contains:
458 459 460

Beginning chain PR34THAVE description
Feature: Alignment 4 S
=====

Point 458	N	444,777.8455 E	2,867,820.6841 Sta	50+00.00
-----------	---	----------------	--------------------	----------

Course from 458 to 459 N 83° 11' 01.99" E Dist 200.0000

Point 459	N	444,801.5821 E	2,868,019.2705 Sta	52+00.00
-----------	---	----------------	--------------------	----------

Course from 459 to 460 N 83° 11' 01.99" E Dist 200.0000

Point 460	N	444,825.3188 E	2,868,217.8569 Sta	54+00.00
-----------	---	----------------	--------------------	----------

=====

Ending chain PR34THAVE description

Chain PRGOLDEN contains:
PRGOLDEN1 PRGOLDEN2

Beginning chain PRGOLDEN description
Feature: Alignment 4 S
=====

Point PRGOLDEN1	N	444,837.7750 E	2,868,215.9294 Sta	60+00.00
-----------------	---	----------------	--------------------	----------

Course from PRGOLDEN1 to PRGOLDEN2 N 83° 00' 08.39" E Dist 400.0000

Point PRGOLDEN2	N	444,886.5066 E	2,868,612.9498 Sta	64+00.00
-----------------	---	----------------	--------------------	----------

=====

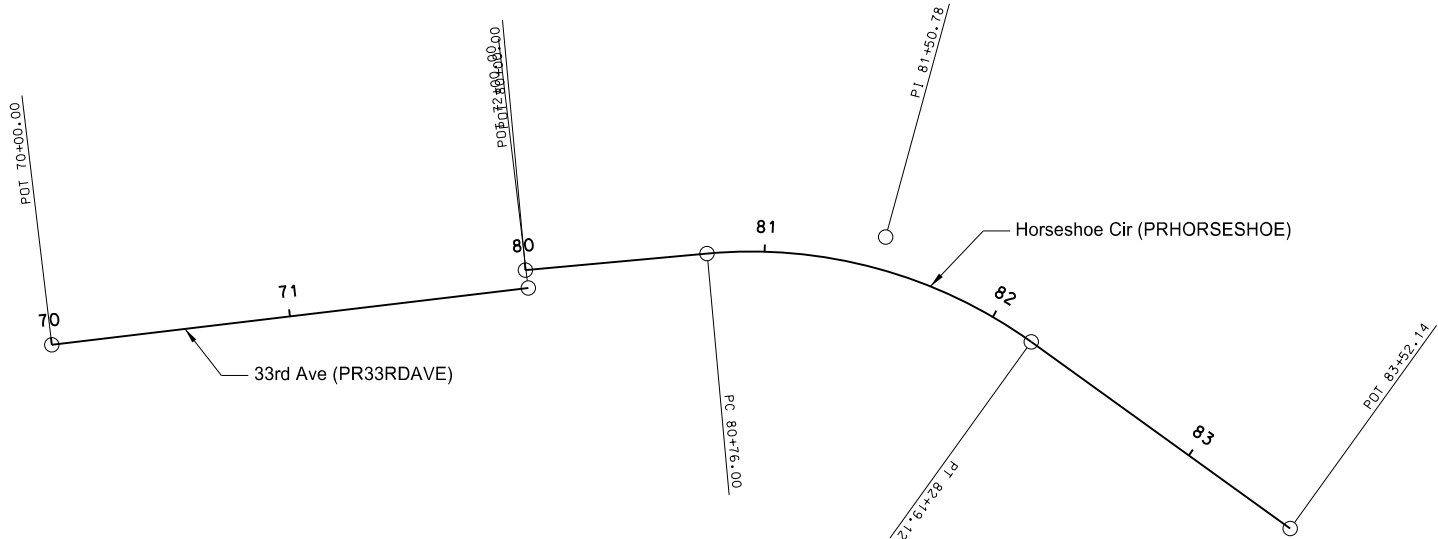
Ending chain PRGOLDEN description

This document was originally issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street
Survey Coordinate and Curve Data
PR34THAVE & PRGOLDEN



	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	81	8



Chain PR33RDAVE contains:
445 446

Beginning chain PR33RDAVE description
Feature: Alignment 4 S

Point 445 N 445,472.8204 E 2,867,915.3976 Sta 70+00.00

Course from 445 to 446 N 83° 10' 55.89" E Dist 200.0000

Point 446 N 445,496.5629 E 2,868,113.9833 Sta 72+00.00

Ending chain PR33RDAVE description

Chain PRHORSESHOE contains:

PRHORSESHOE1 CUR PRHORSESHOE 3 PRHORSESHOE5

Beginning chain PRHORSESHOE description
Feature: Alignment 4 S

Point PRHORSESHOE1 N 445,503.9960 E 2,868,112.8331 Sta 80+00.00

Course from PRHORSESHOE1 to PC PRHORSESHOE 3 N 84° 45' 52.78" E Dist 76.0037

Curve Data
Curve PRHORSESHOE 3
P.I. Station 81+50.78 N 445,517.7542 E 2,868,262.9847
Delta = 41° 00' 00.00" (RT)
Degree = 28° 38' 52.40"
Tangent = 74.7769
Length = 143.1170
Radius = 200.0000
External = 13.5219
Long Chord = 140.0830
Mid. Ord. = 12.6656
P.C. Station 80+76.00 N 445,510.9311 E 2,868,188.5197
P.T. Station 82+19.12 N 445,474.0503 E 2,868,323.6606
C.C. N 445,311.7654 E 2,868,206.7691
Back = N 84° 45' 52.78" E
Ahead = S 54° 14' 07.22" E
Chord Bear = S 74° 44' 07.22" E

Course from PT PRHORSESHOE 3 to PRHORSESHOE5 S 54° 14' 07.22" E Dist 133.0161

Point PRHORSESHOE5 N 445,396.3081 E 2,868,431.5931 Sta 83+52.14

Ending chain PRHORSESHOE description

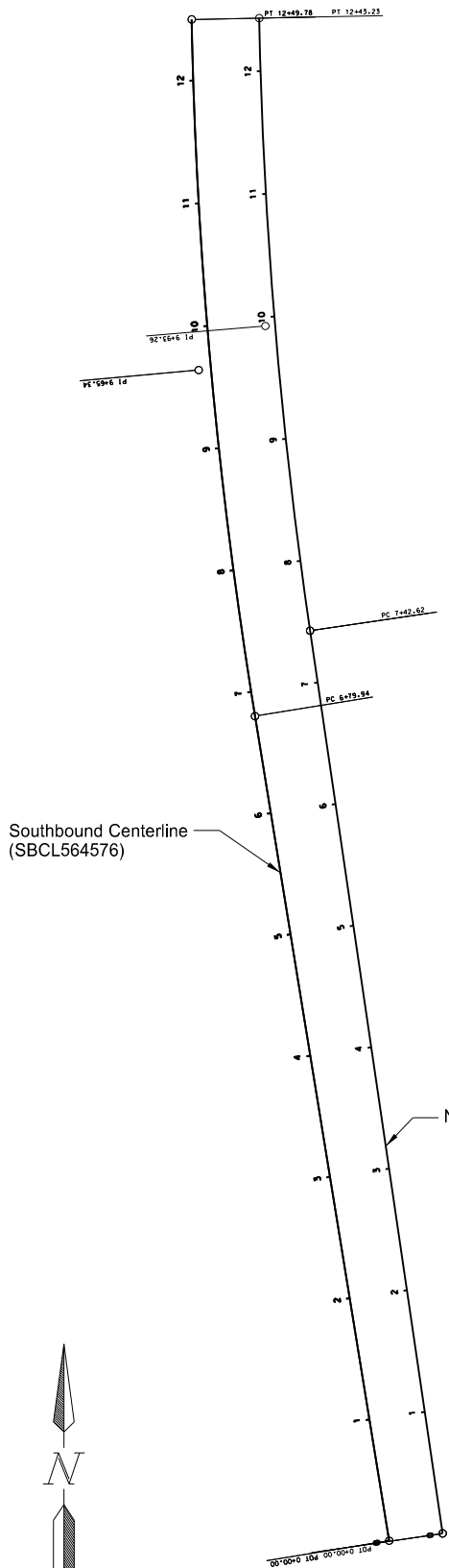
This document was originally
issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original
document is stored at the
City of West Fargo

Sheyenne Street

Survey Coordinate and Curve Data
PR33RDAVE & PRHORSESHOE



	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	81	9



Chain SBCL564576 contains:
SBCL5645761 CUR SBCL564576 3

Beginning chain SBCL564576 description
Feature: Alignment 2 S

Point SBCL5645761 N 444,822.3855 E 2,868,196.0514 Sta 0+00.00

Course from SBCL5645761 to PC SBCL564576 3 N 9° 14' 58.84" W Dist 679.9442

Curve Data

Curve SBCL564576 3
P.I. Station 9+65.34 N 445,775.1693 E 2,868,040.8862
Delta = 8° 06' 23.38" (RT)
Degree = 1° 25' 21.41"
Tangent = 285.3917
Length = 569.8309
Radius = 4,027.5000
External = 10.0989
Long Chord = 569.3557
Mid. Ord. = 10.0736
P.C. Station 6+79.94 N 445,493.4885 E 2,868,086.7592
P.T. Station 12+49.78 N 446,060.5042 E 2,868,035.1923
C.C. N 446,140.8568 E 2,872,061.8907
Back = N 9° 14' 58.84" W
Ahead = N 1° 08' 35.46" W
Chord Bear = N 5° 11' 47.15" W

Ending chain SBCL564576 description

Chain NBCL564576 contains:
NBCL5645761 CUR NBCL564576 3

Beginning chain NBCL564576 description
Feature: Alignment 2 S

Point NBCL5645761 N 444,828.3219 E 2,868,239.6541 Sta 0+00.00

Course from NBCL5645761 to PC NBCL564576 3 N 8° 21' 48.67" W Dist 742.6200

Curve Data

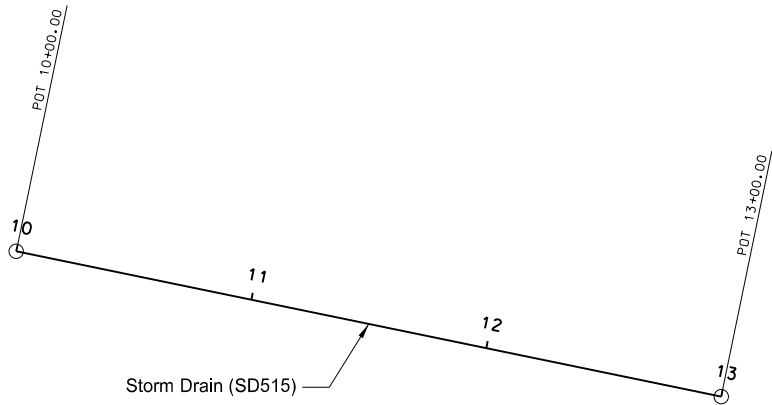
Curve NBCL564576 3
P.I. Station 9+93.26 N 445,811.0151 E 2,868,095.1818
Delta = 7° 13' 13.21" (RT)
Degree = 1° 26' 32.32"
Tangent = 250.6363
Length = 500.6091
Radius = 3,972.5000
External = 7.8988
Long Chord = 500.2779
Mid. Ord. = 7.8832
P.C. Station 7+42.62 N 445,563.0442 E 2,868,131.6377
P.T. Station 12+43.23 N 446,061.6015 E 2,868,090.1814
C.C. N 446,140.8568 E 2,872,061.8907
Back = N 8° 21' 48.67" W
Ahead = N 1° 08' 35.46" W
Chord Bear = N 4° 45' 12.07" W

Ending chain NBCL564576 description

This document was originally
issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original
document is stored at the
City of West Fargo

Sheyenne Street
Survey Coordinate and Curve Data
SBCL564576 & NBCL564576

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	81	10



Chain SD515 contains:
SD5151 SD5152

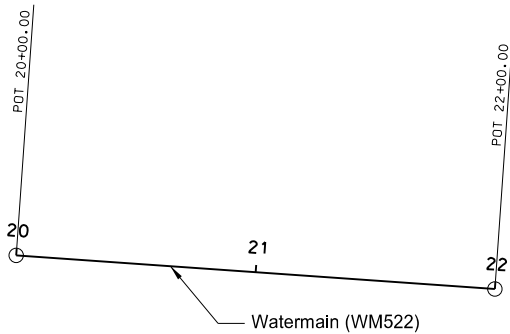
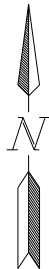
Beginning chain SD515 description
Feature: Alignment 1 S

Point SD5151 N 440,149.1998 E 2,868,599.9195 Sta 10+00.00

Course from SD5151 to SD5152 S 78° 21' 06.32" E Dist 300.0000

Point SD5152 N 440,088.6290 E 2,868,893.7412 Sta 13+00.00

Ending chain SD515 description



Chain WM522 contains:
WM5221 WM5222

Beginning chain WM522 description
Feature: Alignment 1 S

Point WM5221 N 440,840.8281 E 2,868,818.8330 Sta 20+00.00

Course from WM5221 to WM5222 S 85° 58' 27.87" E Dist 200.0000

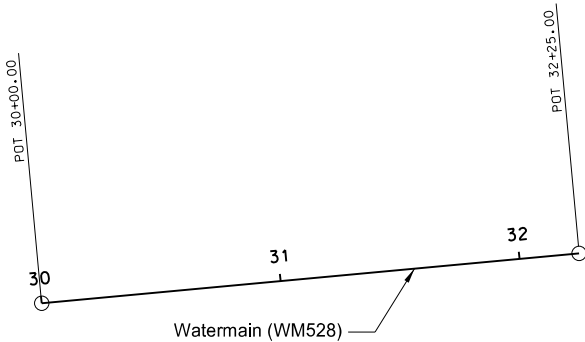
Point WM5222 N 440,826.7877 E 2,869,018.3396 Sta 22+00.00

Ending chain WM522 description

This document was originally
issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original
document is stored at the
City of West Fargo

Sheyenne Street
Survey Coordinate and Curve Data
SD515 & WM522

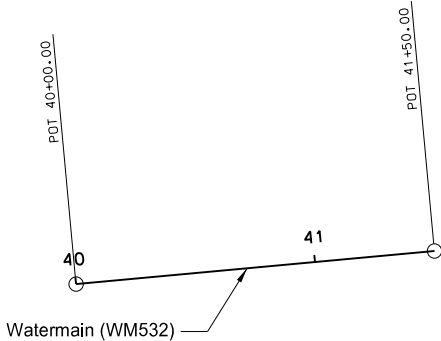
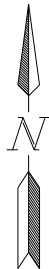
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	81	11



Beginning chain WM528 description
Feature: Alignment 1 S
=====

Point WM5281 N 441,400.94 E 2,868,786.18 Sta 30+00.00
Course from WM5281 to WM5282 N 84° 43' 22.92" E Dist 225.00
Point WM5282 N 441,421.63 E 2,869,010.22 Sta 32+25.00
=====

Ending chain WM528 description



Chain WM532 contains:
WM5321 WM5322

Beginning chain WM532 description
Feature: Alignment 1 S
=====

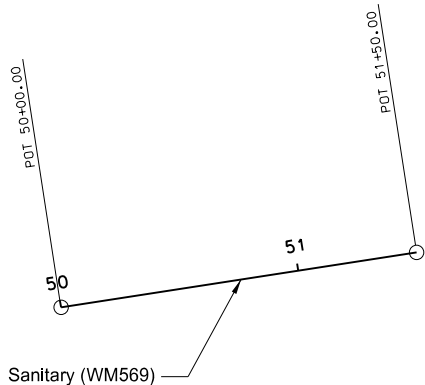
Point WM5321 N 441,817.1505 E 2,868,747.6243 Sta 40+00.00
Course from WM5321 to WM5322 N 84° 43' 22.92" E Dist 150.0000
Point WM5322 N 441,830.9461 E 2,868,896.9886 Sta 41+50.00
=====

Ending chain WM532 description

This document was originally
issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original
document is stored at the
City of West Fargo

Sheyenne Street
Survey Coordinate and Curve Data
WM528 & WM532

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	81	12



Chain WM569 contains:
WM5691 WM5692

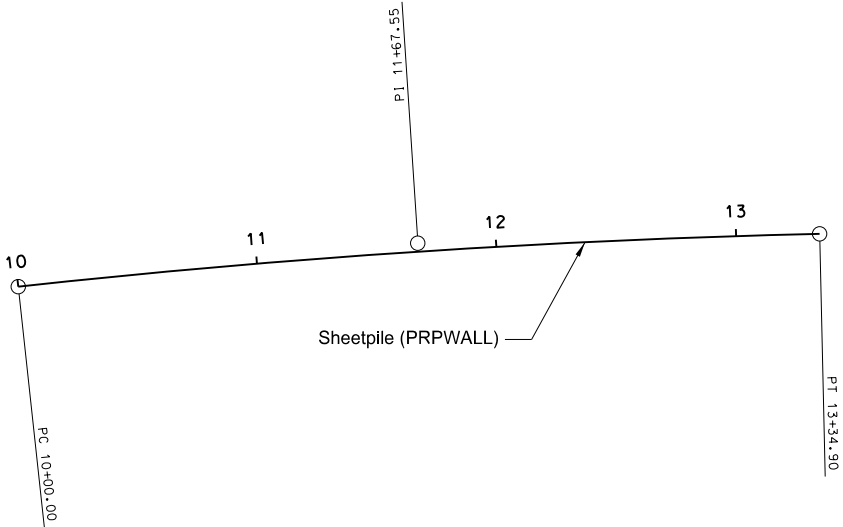
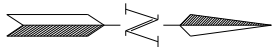
Beginning chain WM569 description
Feature: Alignment 1 S

Point WM5691 N 445,449.3927 E 2,868,053.8248 Sta 50+00.00

Course from WM5691 to WM5692 N 81° 12' 12.15" E Dist 150.0000

Point WM5692 N 445,472.3318 E 2,868,202.0604 Sta 51+50.00

Ending chain WM569 description



Chain PRPWALL contains:
CUR PRPWALL 1

Beginning chain PRPWALL description
Feature: Alignment 2 S

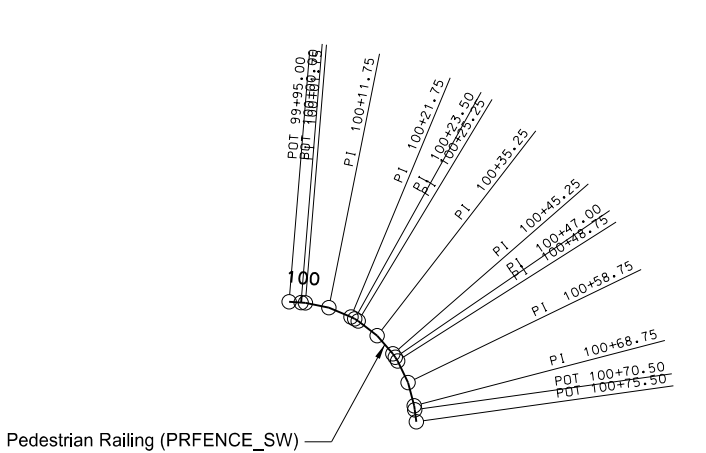
Curve Data

Curve PRPWALL 1
P.I. Station 11+67.55 N 445,883.7003 E 2,868,151.7540
Delta = 4° 54' 04.43" (RT)
Degree = 1° 27' 48.58"
Tangent = 167.5518
Length = 334.8993
Radius = 3,915.0000
External = 3.5838
Long Chord = 334.7972
Mid. Ord. = 3.5805
P.C. Station 10+00.00 N 445,717.1327 E 2,868,169.8883
P.T. Station 13+34.90 N 446,051.2082 E 2,868,147.9172
C.C. N 446,140.8568 E 2,872,061.8907
Back = N 6° 12' 48.05" W
Ahead = N 1° 18' 43.62" W
Chord Bear = N 3° 45' 45.83" W

Ending chain PRPWALL description

This document was originally
issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original
document is stored at the
City of West Fargo

Sheyenne Street
Survey Coordinate and Curve Data
WM569 & PRPWALL

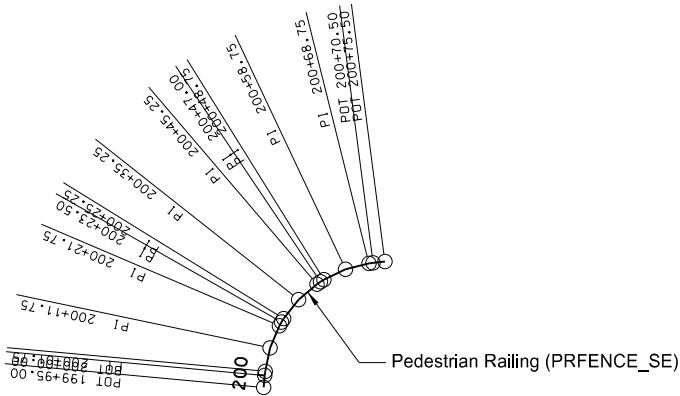


Chain PRFENCE SW contains:
796 797 798 799 800 801 802 803 804 805 806 807 808 809 810

Beginning chain PRFENCE SW description
=====

Point 796	N	446,083.7905 E	2,867,936.6199 Sta	99+95.00
Course from 796 to 797 S 85° 19' 10.49" E Dist 5.0000				
Point 797	N	446,083.3825 E	2,867,941.6032 Sta	100+00.00
Course from 797 to 798 S 85° 19' 10.49" E Dist 1.7500				
Point 798	N	446,083.2397 E	2,867,943.3474 Sta	100+01.75
Course from 798 to 799 S 78° 42' 36.89" E Dist 10.0000				
Point 799	N	446,081.2820 E	2,867,953.1539 Sta	100+11.75
Course from 799 to 800 S 67° 27' 27.74" E Dist 10.0000				
Point 800	N	446,077.4483 E	2,867,962.3898 Sta	100+21.75
Course from 800 to 801 S 60° 50' 54.13" E Dist 1.7500				
Point 801	N	446,076.5959 E	2,867,963.9182 Sta	100+23.50
Course from 801 to 802 S 58° 52' 56.07" E Dist 1.7500				
Point 802	N	446,075.6915 E	2,867,965.4163 Sta	100+25.25
Course from 802 to 803 S 52° 16' 22.46" E Dist 10.0000				
Point 803	N	446,069.5725 E	2,867,973.3257 Sta	100+35.25

Course from 803 to 804 S 41° 01' 13.31" E Dist 10.0000				
Point 804	N	446,062.0277 E	2,867,979.8890 Sta	100+45.25
Course from 804 to 805 S 34° 24' 39.71" E Dist 1.7500				
Point 805	N	446,060.5839 E	2,867,980.8779 Sta	100+47.00
Course from 805 to 806 S 32° 26' 41.64" E Dist 1.7500				
Point 806	N	446,059.1071 E	2,867,981.8168 Sta	100+48.75
Course from 806 to 807 S 25° 50' 08.04" E Dist 10.0000				
Point 807	N	446,050.1066 E	2,867,986.1747 Sta	100+58.75
Course from 807 to 808 S 14° 34' 58.89" E Dist 10.0000				
Point 808	N	446,040.4288 E	2,867,988.6925 Sta	100+68.75
Course from 808 to 809 S 7° 58' 25.28" E Dist 1.7500				
Point 809	N	446,038.6957 E	2,867,988.9353 Sta	100+70.50
Course from 809 to 810 S 7° 58' 25.28" E Dist 5.0000				
Point 810	N	446,033.7440 E	2,867,989.6289 Sta	100+75.50
=====				
Ending chain PRFENCE SW description				



Chain PRFENCE SE contains:
826 827 828 829 830 831 832 833 834 835 836 837 838 839 840

Beginning chain PRFENCE SE description
=====

Point 826	N	446,039.4378 E	2,868,147.8748 Sta	199+95.00
Course from 826 to 827 N 5° 14' 21.78" E Dist 5.0000				
Point 827	N	446,044.4169 E	2,868,148.3314 Sta	200+00.00
Course from 827 to 828 N 5° 14' 21.78" E Dist 1.7500				
Point 828	N	446,046.1596 E	2,868,148.4912 Sta	200+01.75
Course from 828 to 829 N 11° 50' 55.38" E Dist 10.0000				
Point 829	N	446,055.9465 E	2,868,150.5445 Sta	200+11.75
Course from 829 to 830 N 23° 06' 04.53" E Dist 10.0000				
Point 830	N	446,065.1447 E	2,868,154.4680 Sta	200+21.75
Course from 830 to 831 N 29° 42' 38.15" E Dist 1.7500				
Point 831	N	446,066.6646 E	2,868,155.3354 Sta	200+23.50
Course from 831 to 832 N 31° 40' 36.20" E Dist 1.7500				
Point 832	N	446,068.1539 E	2,868,156.2543 Sta	200+25.25
Course from 832 to 833 N 38° 17' 09.81" E Dist 10.0000				
Point 833	N	446,076.0032 E	2,868,162.4502 Sta	200+35.25

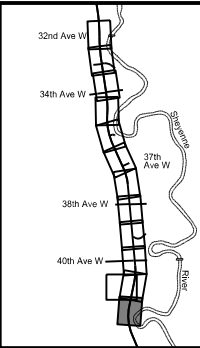
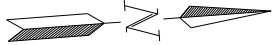
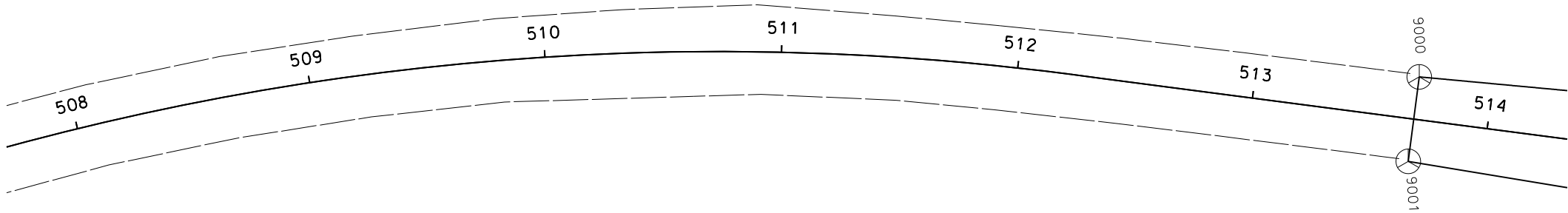
Course from 833 to 834 N 49° 32' 18.96" E Dist 10.0000				
Point 834	N	446,082.4925 E	2,868,170.0587 Sta	200+45.25
Course from 834 to 835 N 56° 08' 52.57" E Dist 1.7500				
Point 835	N	446,083.4674 E	2,868,171.5120 Sta	200+47.00
Course from 835 to 836 N 58° 06' 50.62" E Dist 1.7500				
Point 836	N	446,084.3918 E	2,868,172.9979 Sta	200+48.75
Course from 836 to 837 N 64° 43' 24.23" E Dist 10.0000				
Point 837	N	446,088.6616 E	2,868,182.0405 Sta	200+58.75
Course from 837 to 838 N 75° 58' 33.38" E Dist 10.0000				
Point 838	N	446,091.0849 E	2,868,191.7424 Sta	200+68.75
Course from 838 to 839 N 82° 35' 06.99" E Dist 1.7500				
Point 839	N	446,091.3108 E	2,868,193.4778 Sta	200+70.50
Course from 839 to 840 N 82° 35' 06.99" E Dist 5.0000				
Point 840	N	446,091.9560 E	2,868,198.4360 Sta	200+75.50
=====				
Ending chain PRFENCE SE description				

This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street
Survey Coordinate and Curve Data
(PRFENCE_SW) & (PRFENCE_SE)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	1

Point#	North(Y)	East(X)	Station	Offset	Description
9000	439969.3689	2868772.491	513+68.72	-18	EOP
9001	439962.0995	2868807.749	513+68.72	18	EOP



This document was originally issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original document is stored at the
City of West Fargo

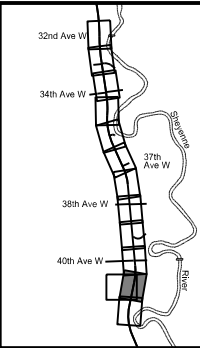
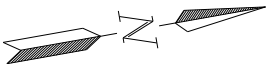
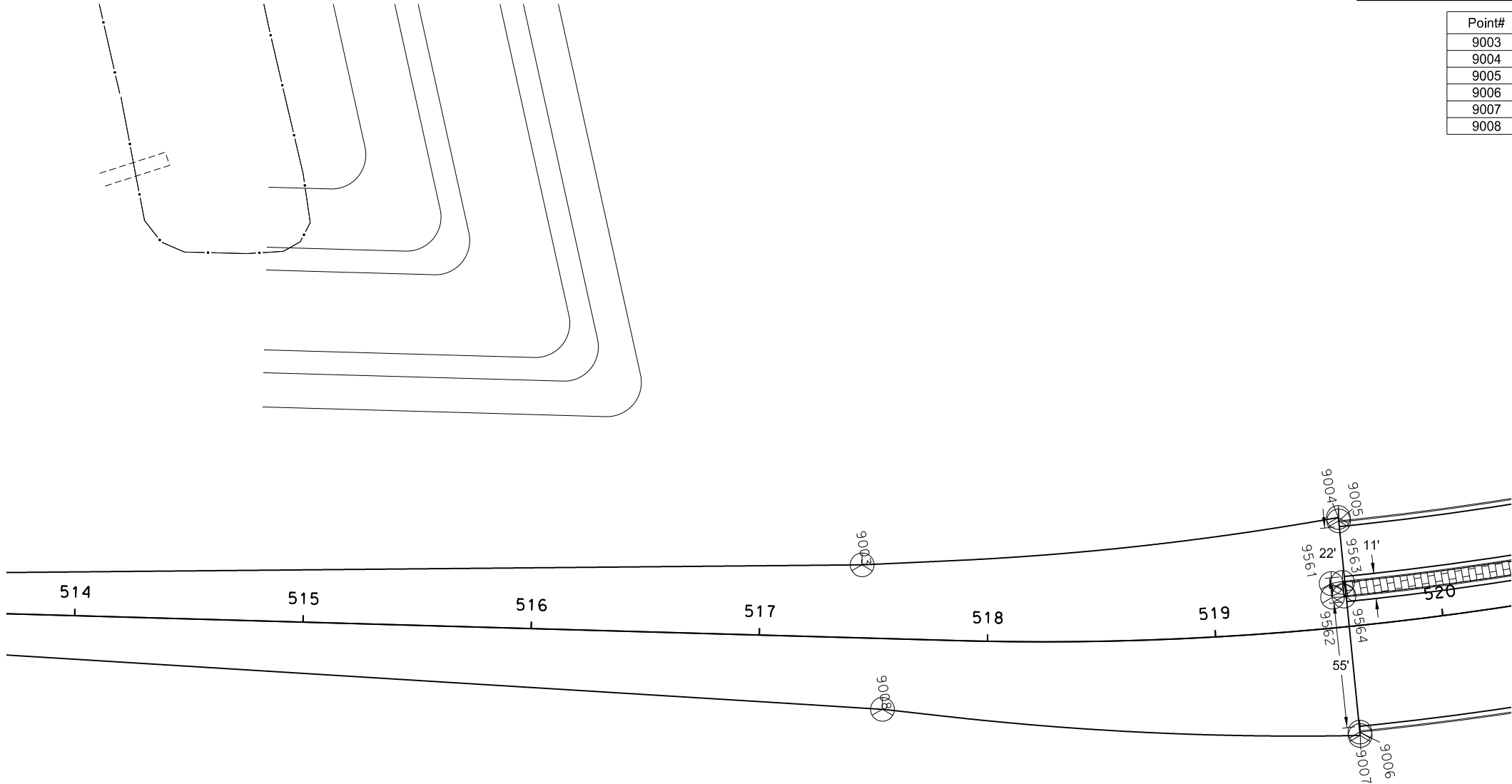
Sheyenne Street

Survey Data Layout

Sta 508+00 to Sta 514+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	2

Point#	North(Y)	East(X)	Station	Offset	Description
9003	440339.9162	2868834.595	517+44.17	-32	EOP
9004	440548.9499	2868850.488	519+58.72	-48	EOP
9005	440548.8373	2868851.984	519+58.72	-46.5	BOC
9006	440541.8565	2868944.722	519+58.72	46.5	BOC
9007	440541.7439	2868946.217	519+58.72	48	EOP
9008	440337.6373	2868898.479	517+54.84	31.0287	EOP



This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street

Survey Data Layout

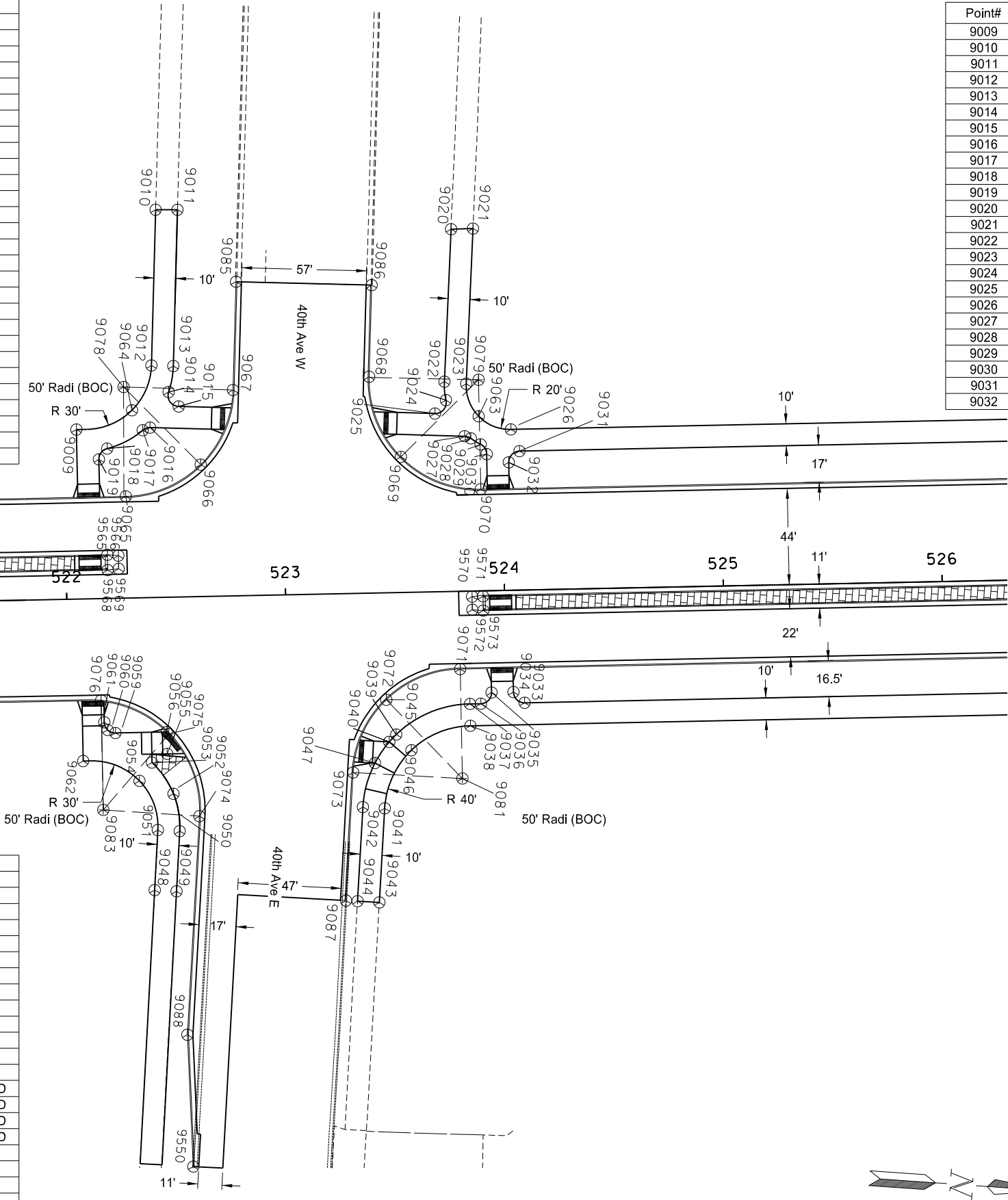
Sta 514+00 to Sta 520+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	3

9033	440998.2495	2868927.439	524+08.16	51.5	EOSW
9034	440992.8179	2868922.911	524+03.16	46.5	EOSW
9035	440982.8588	2868923.816	523+93.16	46.5	EOSW
9036	440978.3314	2868929.247	523+88.16	51.5	EOSW
9037	440973.379	2868929.697	523+83.18	51.5	EOSW
9038	440974.2832	2868939.656	523+83.18	61.5	EOSW
9039	440937.8171	2868949.603	523+45.97	68.109	EOSW
9040	440931.9872	2868959.693	523+39.25	77.6303	EOSW
9041	440937.9036	2868980.022	523+43.30	98.4107	EOSW
9042	440927.9045	2868980.154	523+33.33	97.6383	EOSW
9043	440938.4569	2869023.076	523+39.96	141.3387	EOSW
9044	440928.4934	2869023.227	523+30.02	140.5886	EOSW
9045	440940.7657	2868946.021	523+49.23	64.8079	EOSW
9046	440948.1869	2868952.713	523+56.01	72.1438	EOSW
9047	440931.9872	2868959.693	523+39.25	77.6303	EOSW
9048	440835.7049	2869024.638	522+37.49	133.6034	EOSW
9049	440845.6649	2869024.487	522+47.42	134.3532	EOSW
9050	440845.0676	2868989.481	522+49.99	99.4368	EOSW
9051	440835.069	2868989.652	522+40.02	98.7026	EOSW
9052	440843.0057	2868977.469	522+49.02	87.2878	EOSW
9053	440837.4224	2868966.636	522+44.44	75.994	EOSW
9054	440825.1151	2868967.84	522+32.08	76.0804	EOSW
9055	440837.016	2868962.16	522+44.44	71.5	EOSW
9056	440836.1118	2868952.201	522+44.44	61.5	EOSW
9057	440822.4397	2868953.443	522+30.71	61.5	EOSW
9058	440820.1082	2868953.096	522+28.42	60.9444	EOSW
9059	440815.7342	2868951.61	522+24.20	59.0687	EOSW
9060	440811.218	2868950.638	522+19.79	57.6923	EOSW
9061	440807.0065	2868946.15	522+16.00	52.8413	EOSW
9062	440798.2826	2868960.657	522+06.00	66.5	EOSW

Point#	North(Y)	East(X)	Station	Offset	Description
9009	440785.2616	2868817.246	522+06.00	-77.5	EOSW
9010	440814.3076	2868714.535	522+44.22	-177.1639	EOSW
9011	440824.2866	2868713.834	522+54.22	-176.9598	EOSW
9012	440817.3829	2868785.631	522+40.85	-106.081	EOSW
9013	440827.3736	2868785.199	522+50.84	-105.608	EOSW
9014	440826.0753	2868797.178	522+48.47	-93.7957	EOSW
9015	440831.1215	2868803.455	522+52.92	-87.0885	EOSW
9016	440818.7778	2868813.99	522+39.68	-77.7121	EOSW
9017	440815.482	2868815.424	522+36.27	-76.5825	EOSW
9018	440799.8922	2868824.931	522+19.88	-68.5242	EOSW
9019	440796.4728	2868830.133	522+16.00	-63.6522	EOSW
9020	440949.584	2868713.919	523+79.00	-165.5461	EOSW
9021	440959.537	2868712.95	523+89.00	-165.6106	EOSW
9022	440951.4387	2868783.636	523+74.54	-95.9469	EOSW
9023	440961.4448	2868783.906	523+84.48	-94.7725	EOSW
9024	440952.7135	2868792.025	523+75.05	-87.4767	EOSW
9025	440948.1392	2868798.463	523+69.91	-81.4786	EOSW
9026	440983.246	2868803.287	524+04.44	-73.5	EOSW
9027	440962.3762	2868807.865	523+83.24	-70.828	EOSW
9028	440965.2819	2868808.647	523+86.06	-69.786	EOSW
9029	440969.9381	2868811.077	523+90.48	-66.9448	EOSW
9030	440973.006	2868815.299	523+93.16	-62.4631	EOSW
9031	440987.8508	2868812.91	524+08.16	-63.5	EOSW
9032	440983.3234	2868818.342	524+03.16	-58.5	EOSW

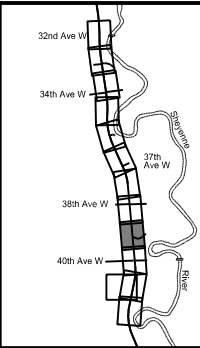
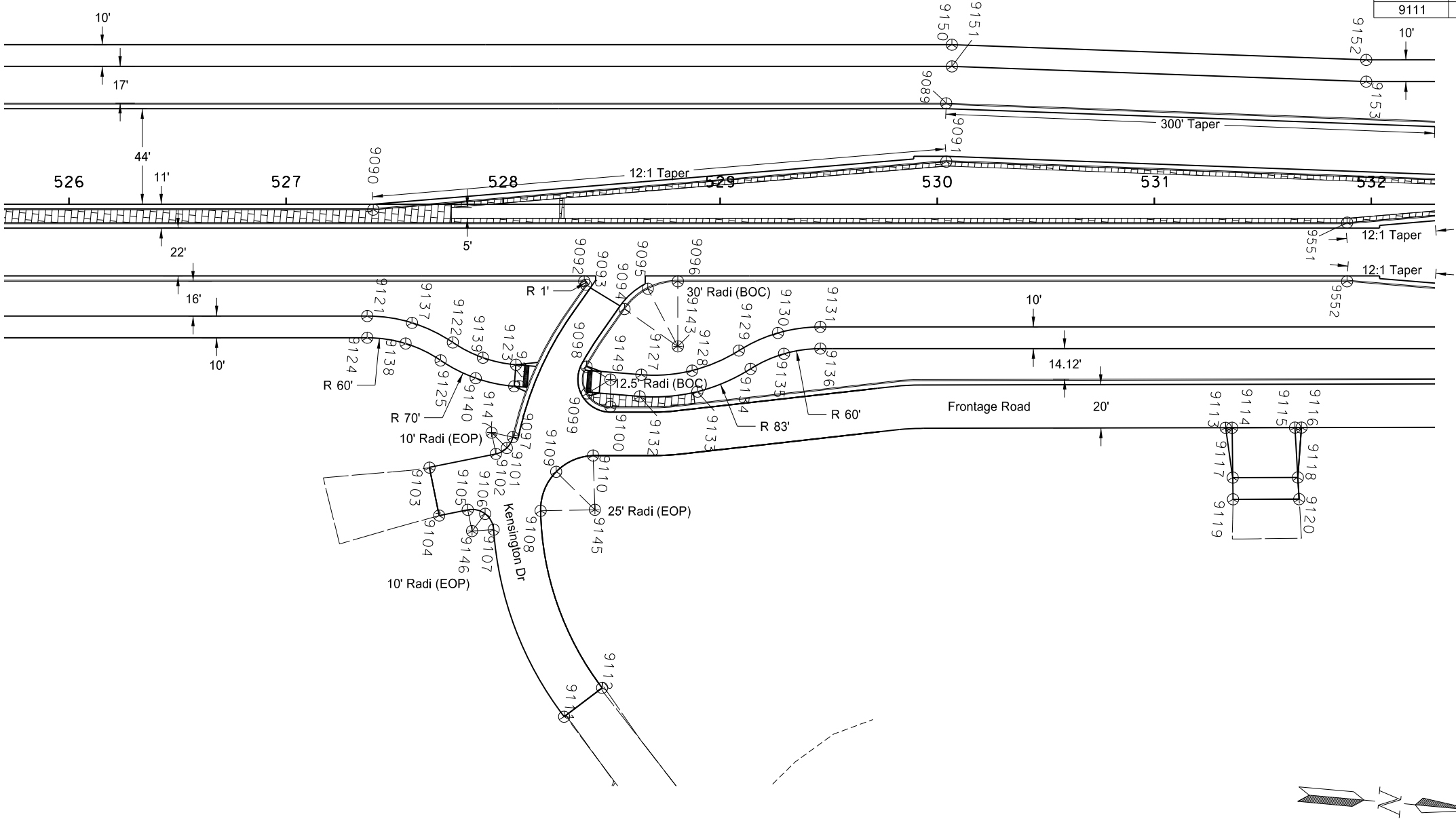
9063	440968.1497	2868798.316	523+89.85	-79.8151	EOSW
9064	440809.9946	2868806.676	522+31.59	-85.7909	EOSW
9065	440809.9221	2868846.135	522+27.95	-46.5	BOC
9066	440843.0305	2868829.264	522+62.45	-60.3079	BOC
9067	440855.3555	2868794.209	522+77.89	-94.1052	BOC
9068	440916.9681	2868783.805	523+40.19	-98.8948	BOC
9069	440933.9983	2868819.304	523+53.95	-62.0018	BOC
9070	440971.4596	2868831.468	523+90.15	-46.5	BOC
9071	440967.7964	2868914.138	523+79.03	35.5	BOC
9072	440935.1431	2868930.496	523+45.03	48.8382	BOC
9073	440922.3233	2868964.693	523+29.17	81.7364	BOC
9074	440853.693	2868989.528	522+58.58	100.2636	BOC
9075	440843.1286	2868952.57	522+51.40	62.5013	BOC
9076	440805.17	2868939.949	522+14.74	46.5	BOC
9078	440805.401	2868796.34	522+27.95	-96.5	CNT OF RAD
9079	440966.9227	2868781.674	523+90.14	-96.5	CNT OF RAD
9081	440972.3176	2868963.933	523+79.03	85.5	CNT OF RAD
9083	440809.6912	2868989.744	522+14.74	96.5	CNT OF RAD
9085	440853.2462	2868744.76	522+80.26	-143.5417	BOC
9086	440915.183	2868741.957	523+42.20	-140.7335	BOC
9087	440923.2145	2869023.308	523+24.76	140.1912	BOC
9088	440855.2132	2869089.517	522+51.05	199.9799	BOC
9550	440862.1247	2869149.418	522+52.52	260.2613	BOC



9112	441449.3854	2869058.471	528+45.59	222.7881	EOP
9113	441724.6443	2868913.16	531+32.87	102.9629	EOP
9114	441727.6314	2868912.883	531+35.87	102.9569	EOP
9115	441756.4705	2868910.207	531+64.83	102.8995	EOP
9116	441759.4577	2868909.93	531+67.83	102.8936	EOP
9117	441729.9976	2868935.745	531+36.15	125.9391	EOP
9118	441759.8693	2868932.973	531+66.15	125.8796	EOP
9119	441731.0272	2868945.692	531+36.28	135.9389	EOP
9120	441761.3481	2868942.879	531+66.73	135.8785	EOP
9121	441326.1151	2868897.67	527+37.37	51.5	EOSW
9122	441366.5071	2868906.23	527+76.82	63.677	EOSW
9123	441396.3625	2868913.809	528+05.87	73.9247	EOSW
9124	441327.0193	2868907.629	527+37.37	61.5	EOSW
9125	441361.641	2868914.966	527+71.19	71.9375	EOSW
9126	441396.4723	2868923.808	528+05.08	83.8931	EOSW
9127	441454.3708	2868913.172	528+63.70	78.5354	EOSW
9128	441477.4686	2868909.153	528+87.06	76.6217	EOSW
9129	441498.1014	2868898.02	529+08.62	67.3996	EOSW
9130	441515.2738	2868888.308	529+26.60	59.2801	EOSW
9131	441534.4741	2868883.773	529+46.13	56.5	EOSW
9132	441454.4806	2868923.171	528+62.90	88.5038	EOSW
9133	441480.7426	2868918.602	528+89.47	86.3279	EOSW
9134	441504.2017	2868905.944	529+13.98	75.8425	EOSW

9135	441518.9209	2868897.619	529+29.39	68.883	EOSW
9136	441535.3783	2868893.732	529+46.13	66.5	EOSW
9137	441346.9566	2868898.904	527+58.01	54.6135	EOSW
9138	441344.8834	2868908.687	527+55.06	64.1687	EOSW
9139	441380.9401	2868911.968	527+90.68	70.6967	EOSW
9140	441378.4796	2868921.661	527+87.35	80.127	EOSW
9143	441469.9268	2868898.67	528+80.50	65.5	CEN OF RAD
9145	441438.647	2868977.086	528+42.26	140.7664	CEN OF RAD
9146	441383.1634	2868991.98	527+85.66	150.5817	CEN OF RAD
9147	441388.0313	2868945.986	527+94.66	105.2161	CEN OF RAD
9149	441440.3487	2868916.685	528+49.42	80.7664	CEN OF RAD
9150	441583.1072	2868748.822	530+06.77	-73.5	EOSW
9151	441584.0115	2868758.781	530+06.77	-63.5	EOSW
9152	441773.8672	2868738.531	531+97.68	-66.5	EOSW
9153	441774.7715	2868748.49	531+97.68	-56.5	EOSW
9551	441771.8562	2868814.022	531+88.85	8.5	BOC
9552	441774.2976	2868840.912	531+88.85	35.5	BOC

Point#	North(Y)	East(X)	Station	Offset	Description
9089	441582.9286	2868775.95	530+04.14	-46.5	BOC
9090	441324.4408	2868848.621	527+40.14	2.5	BOC
9091	441585.3612	2868802.742	530+04.14	-19.5973	BOC
9092	441424.2167	2868872.697	528+37.33	35.5	BOC
9093	441425.1748	2868874.19	528+38.15	37.0736	BOC
9094	441443.897	2868883.756	528+55.93	48.2927	BOC
9095	441453.7249	2868873.422	528+66.65	38.8897	BOC
9096	441467.2141	2868868.793	528+80.50	35.5	BOC
9097	441397.967	2868947.118	528+04.46	107.2426	BOC
9098	441428.8651	2868911.748	528+38.43	74.811	BOC
9099	441430.2311	2868924.026	528+38.68	87.162	BOC
9100	441441.479	2868929.134	528+49.42	93.2664	BOC
9101	441395.6993	2868952.405	528+01.72	112.3021	EOP
9102	441390.8946	2868955.567	527+96.65	115.0171	EOP
9103	441360.9952	2868964.622	527+66.05	121.3319	EOP
9104	441367.4545	2868986.237	527+70.53	143.4422	EOP
9105	441380.3001	2868982.398	527+83.67	140.7807	EOP
9106	441388.4755	2868983.507	527+91.71	142.6243	EOP
9107	441393.0351	2868990.383	527+95.63	149.8841	EOP
9108	441413.7956	2868979.808	528+17.26	141.2298	EOP
9109	441419.2957	2868961.258	528+24.42	123.2534	EOP
9110	441435.5597	2868952.264	528+41.43	115.7664	EOP
9111	441433.1491	2869073.316	528+28.08	236.1044	EOP



This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street

Survey Data Layout

Sta 526+00 to Sta 532+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	6

Point#	North(Y)	East(X)	Station	Offset	Description
9154	442101.66	2868708.769	535+26.82	-66.5	EOSW
9155	442112.3984	2868708.321	535+37.55	-65.9749	EOSW
9156	442123.1293	2868708.924	535+48.19	-64.4048	EOSW
9157	442132.8846	2868709.471	535+57.85	-62.9773	EOSW
9158	442142.6468	2868709.064	535+67.61	-62.5	EOSW
9159	442102.5643	2868718.728	535+26.82	-56.5	EOSW
9160	442112.3265	2868718.321	535+36.58	-56.0227	EOSW
9161	442122.0818	2868718.869	535+46.24	-54.5952	EOSW
9162	442132.8126	2868719.471	535+56.88	-53.0251	EOSW
9163	442143.551	2868719.023	535+67.61	-52.5	EOSW
9164	442156.5577	2868707.801	535+81.58	-62.5	EOSW
9165	442161.0055	2868703.817	535+86.37	-66.0653	EOSW
9166	442161.9282	2868700.233	535+87.61	-69.552	EOSW
9167	442163.2141	2868696.761	535+89.21	-72.8926	EOSW
9168	442164.1186	2868693.783	535+90.38	-75.7769	EOSW
9169	442164.3426	2868690.679	535+90.88	-78.8485	EOSW
9175	442163.4437	2868667.852	535+92.05	-101.6629	EOSW
9176	442163.1004	2868664.19	535+92.04	-105.3408	EOSW
9177	442162.3636	2868660.587	535+91.63	-108.9961	EOSW
9181	442242.6045	2868657.427	536+71.83	-104.8874	EOSW
9182	442248.6133	2868657.19	536+77.83	-104.5797	EOSW
9183	442242.364	2868680.155	536+69.53	-82.2739	EOSW
9184	442248.3638	2868680.211	536+75.50	-81.6754	EOSW
9185	442242.8866	2868684.914	536+69.62	-77.4878	EOSW
9186	442251.9362	2868690.998	536+78.09	-70.6103	EOSW
9187	442256.8052	2868690.806	536+82.95	-70.361	EOSW
9188	442254.1488	2868701.831	536+79.31	-59.6213	EOSW
9189	442264.051	2868695.954	536+89.70	-64.579	EOSW
9190	442272.8453	2868697.243	536+98.34	-62.5	EOSW
9191	442273.7495	2868707.202	536+98.34	-52.5	EOSW
9192	442324.2307	2868812.067	537+39.14	56.5	EOSW
9193	442325.1349	2868822.026	537+39.14	66.5	EOSW
9194	442314.9428	2868812.476	537+29.85	56.0678	EOSW
9195	442314.3965	2868822.474	537+28.40	65.9749	EOSW
9196	442305.6569	2868812.021	537+20.64	54.7751	EOSW
9197	442303.6657	2868821.871	537+17.77	64.4048	EOSW
9199	442293.9104	2868821.324	537+08.10	62.9773	EOSW
9200	442286.6816	2868811.514	537+01.79	52.554	EOSW
9201	442284.1482	2868821.731	536+98.34	62.5	EOSW
9202	442248.805	2868824.94	536+62.86	62.5	EOSW
9204	442248.941	2868827.542	536+62.76	65.1039	EOSW
9205	442248.4635	2868833.712	536+61.72	71.2051	EOSW
9207	442245.8875	2868842.104	536+58.40	79.3299	EOSW
9209	442244.0831	2868847.64	536+56.10	84.6804	EOSW
9211	442243.556	2868853.439	536+55.05	90.408	EOSW
9213	442246.0651	2868969.725	536+47.04	206.4441	EOSW
9214	442242.0644	2868969.734	536+43.05	206.0912	EOSW
9215	442169.8101	2868822.071	535+84.44	52.5	EOSW
9216	442170.7143	2868832.03	535+84.44	62.5	EOSW
9217	442159.1667	2868823.565	535+73.71	53.0251	EOSW
9218	442161.0385	2868833.388	535+74.69	62.9773	EOSW
9219	442148.7198	2868826.09	535+63.08	54.5952	EOSW
9220	442151.5413	2868835.683	535+65.02	64.4048	EOSW
9221	442139.2226	2868828.385	535+53.41	56.0227	EOSW
9222	442141.0944	2868838.209	535+54.39	65.9749	EOSW
9223	442129.5468	2868829.743	535+43.65	56.5	EOSW
9224	442130.451	2868839.702	535+43.65	66.5	EOSW
9225	442145.0882	2868735.954	535+67.61	-35.5	BOC
9226	442168.2263	2868724.187	535+91.72	-45.126	BOC
9227	442176.8963	2868699.72	536+02.56	-68.7092	BOC
9228	442203.6906	2868693.965	536+29.77	-72.0177	BOC
9229	442212.8466	2868693.604	536+38.92	-71.5488	BOC

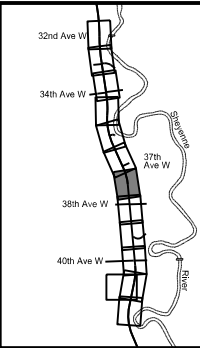
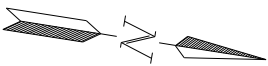
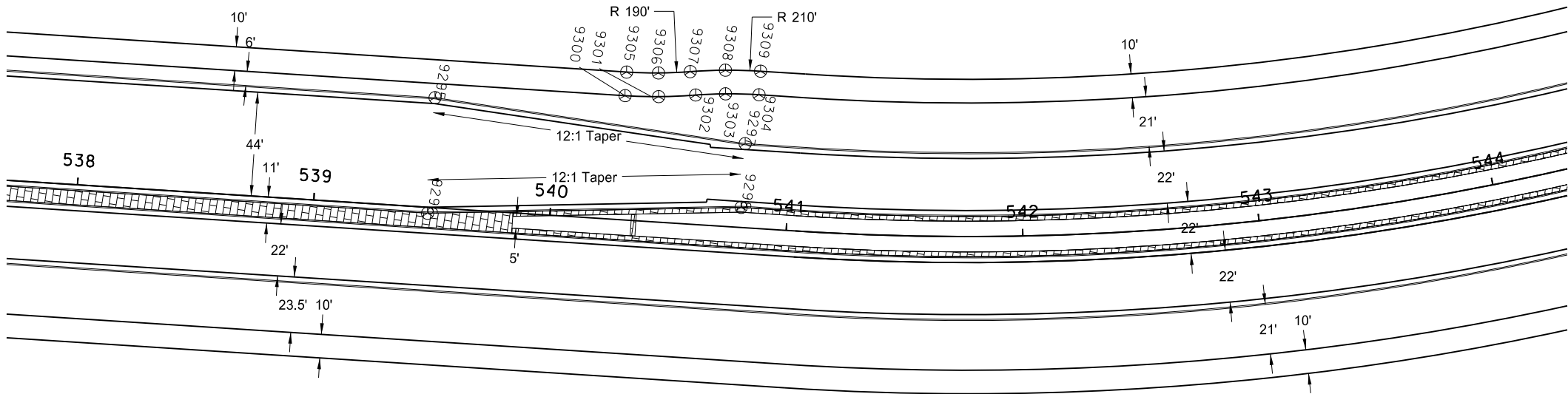
Point#	North(Y)	East(X)	Station	Offset	Description
9230	442214.8441	2868680.815	536+42.07	-84.1048	BOC
9231	442215.1729	2868667.876	536+43.56	-96.9619	BOC
9232	442202.3142	2868659.013	536+31.56	-106.9504	BOC
9233	442214.8045	2868658.522	536+44.04	-106.3109	BOC
9234	442235.2887	2868657.715	536+64.52	-105.262	BOC
9235	442236.1543	2868679.698	536+63.39	-83.2908	BOC
9236	442248.0371	2868704.624	536+72.97	-57.3927	BOC
9237	442274.292	2868713.177	536+98.34	-46.5	BOC
9238	442266.2982	2868796.24	536+82.87	35.5	BOC
9239	442243.3665	2868807.774	536+58.99	44.9126	BOC
9240	442234.4712	2868831.852	536+47.96	68.0879	BOC
9241	442155.7273	2868817.325	535+70.85	46.5	BOC
9243	442180.4175	2868824.583	535+94.78	55.9613	BOC
9244	442193.4701	2868846.763	536+05.77	79.23	BOC
9245	442193.5347	2868849.367	536+05.60	81.83	BOC
9246	442185.6564	2868862.391	535+96.58	94.0878	BOC
9247	442171.8507	2868866.191	535+82.49	96.6238	BOC
9248	442177.126	2868891.826	535+85.42	122.6311	BOC
9249	442189.8494	2868898.136	535+97.52	130.0659	BOC
9250	442195.1759	2868911.3	536+01.64	143.6572	BOC
9251	442195.3569	2868919.687	536+01.06	152.0266	BOC
9252	442235.7655	2868891.838	536+43.82	127.9452	BOC
9253	442081.4888	2868882.912	534+90.98	105.1054	BOC
9254	442086.4864	2868883.041	534+95.95	105.686	BOC
9255	442120.6706	2868886.304	535+29.70	112.0262	BOC
9256	442125.6553	2868886.791	535+34.62	112.9625	BOC
9257	441906.7515	2868839.931	533+20.85	46.5	BOC
9260	441902.3208	2868791.131	533+20.85	-2.5	BOC
9261	442133.9963	2868772.607	535+53.25	0	BOC
9262	442133.0016	2868761.652	535+53.25	-11	BOC
9263	441878.4214	2868898.891	532+87.30	102.6566	EOP
9264	441881.4086	2868898.613	532+90.30	102.6507	EOP
9265	441912.3151	2868895.745	533+21.34	102.5891	EOP
9266	441915.3022	2868895.468	533+24.34	102.5832	EOP
9267	441883.3157	2868921.518	532+90.13	125.6337	EOP
9268	441883.8551	2868927.996	532+90.08	132.1338	EOP
9269	441915.1788	2868918.561	533+22.13	125.5703	EOP
9270	441915.9888	2868925.014	533+22.35	132.0698	EOP
9271	442088.4698	2868902.481	534+96.17	125.2251	EOP
9272	442089.4848	2868912.429	534+96.28	135.2249	EOP
9273	442122.3243	2868899.339	535+30.17	125.1577	EOP
9274	442123.5836	2868909.265	535+30.52	135.157	EOP
9275	441773.8672	2868738.531	531+97.68	-66.5	EOSW
9276	441774.7715	2868748.49	531+97.68	-56.5	EOSW
9277	442115.2503	2868671.81	535+43.70	-102.0785	CEN OF RAD
9278	442141.9234	2868701.097	535+67.61	-70.5	CEN OF RAD
9279	442271.1272	2868678.321	536+98.34	-81.5	CEN OF RAD
9280	442269.463	2868831.097	536+82.87	70.5	CEN OF RAD
9281	442158.8922	2868852.182	535+70.85	81.5	CEN OF RAD
9282	442173.7979	2868846.286	535+86.23	76.9764	CEN OF RAD
9283	442175.1806	2868911.731	535+81.69	142.2789	CEN OF RAD
9284	442211.853	2868919.332	536+17.52	153.1638	EOP
9285	442212.9563	2868970.463	536+14.00	204.1855	EOP
9286	442126.2563	2868764.775	535+46.25	-8.5	BOC
9287	442131.2359	2868764.322	535+51.25	-8.5	BOC
9288	442126.7989	2868770.75	535+46.25	-2.5	BOC
9289	442131.7784	2868770.298	535+51.25	-2.5	BOC
9290	442175.3351	2868660.076	536+04.59	-108.3319	BOC
9291	442191.8224	2868659.427	536+21.07	-107.4877	EOP
9292	442229.9805	2868970.096	536+30.98	205.3591	BOC
9293	441882.6942	2868759.778	533+04.14	-35.5	BOC
9294	441885.1357	2868786.667	533+04.14	-8.5	BOC

This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street
Survey Data Layout
Sta 532+00 to Sta 538+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	7

Point#	North(Y)	East(X)	Station	Offset	Description
9295	442601.5653	2868667.397	540+28.42	-62.5	EOSW
9296	442611.2412	2868666.039	540+38.18	-62.9773	EOSW
9297	442620.7384	2868663.743	540+47.84	-64.4048	EOSW
9298	442631.1853	2868661.218	540+58.47	-65.9749	EOSW
9299	442641.8287	2868659.724	540+69.21	-66.5	EOSW
9300	442602.4696	2868677.356	540+28.42	-52.5	EOSW
9301	442613.113	2868675.862	540+39.15	-53.0251	EOSW
9302	442623.5599	2868673.337	540+49.78	-54.5952	EOSW
9303	442633.0571	2868671.041	540+59.45	-56.0227	EOSW
9304	442642.7329	2868669.684	540+69.21	-56.5	EOSW
9305	442523.2679	2868690.571	539+48.34	-46.5	BOC
9306	442655.7218	2868689.591	540+80.34	-35.5	BOC
9307	442527.6986	2868739.371	539+48.34	2.5	BOC
9308	442658.1632	2868716.48	540+80.34	-8.5	BOC



This document was originally issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

Survey Data Layout

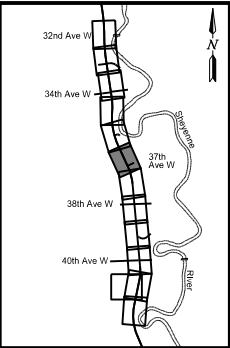
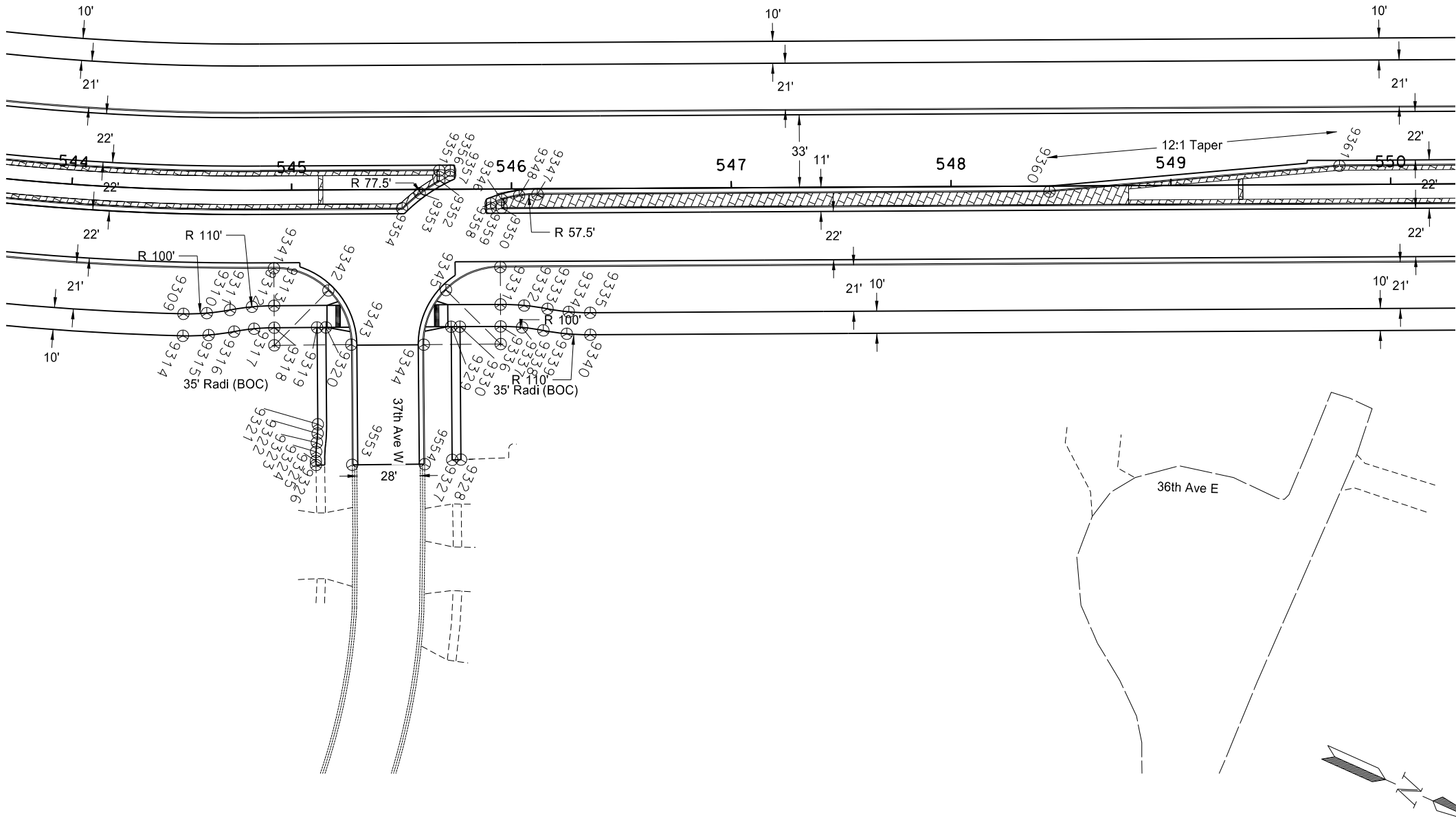
Sta 538+00 to Sta 544+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	8

9332	443180.6965	2868624.17	546+05.47	53.0251	EOSW
9333	443191.0242	2868621.195	546+16.10	54.5952	EOSW
9334	443200.413	2868618.49	546+25.76	56.0227	EOSW
9335	443209.493	2868614.882	546+35.52	56.5	EOSW
9336	443174.8509	2868637.241	545+94.73	62.5	EOSW
9337	443183.9309	2868633.633	546+04.49	62.9773	EOSW
9338	443193.3197	2868630.928	546+14.16	64.4048	EOSW
9339	443203.6474	2868627.953	546+24.79	65.9749	EOSW
9340	443213.6355	2868623.984	546+35.52	66.5	EOSW
9341	443069.9188	2868655.334	544+91.73	35.5	BOC
9342	443096.6464	2868654.395	545+16.45	45.7178	BOC
9343	443116.2338	2868672.605	545+26.73	70.4052	BOC
9344	443146.3484	2868659.107	545+59.73	70.5948	BOC
9345	443145.3707	2868632.293	545+69.95	45.7848	BOC
9346	443163.6663	2868612.666	545+94.73	35.5	BOC
9347	443165.2945	2868575.668	546+11.54	2.5	BOC

9348	443160.7437	2868577.739	546+06.54	2.5	BOC
9349	443167.78	2868581.129	546+11.54	8.5	BOC
9350	443163.2292	2868583.2	546+06.54	8.5	BOC
9351	443099.9501	2868593.323	545+44.75	-8.5	BOC
9352	443103.1957	2868600.454	545+44.75	-0.665	BOC
9353	443101.1055	2868605.765	545+40.65	3.3029	BOC
9354	443099.6041	2868611.271	545+37.00	7.6927	BOC
9355	443098.4773	2868612.671	545+35.40	8.5	BOC
9356	443105.2857	2868588.147	545+51.75	-11	EOP
9357	443108.6709	2868595.585	545+51.75	-2.8279	EOP
9358	443157.8878	2868576.292	546+04.54	0	EOP
9359	443162.4444	2868586.304	546+04.54	11	EOP
9360	443377.5378	2868479.07	548+44.73	2.5	BOC
9361	443493.1231	2868414.378	549+76.73	-8.5	BOC
9553	443139.0024	2868722.274	545+26.88	125.0443	BOC
9554	443169.0007	2868708.523	545+59.88	124.9548	BOC

Point#	North(Y)	East(X)	Station	Offset	Description
9309	443040.8439	2868691.07	544+52.13	56.5	EOSW
9310	443050.4248	2868686.431	544+62.26	55.9809	EOSW
9311	443059.4584	2868680.801	544+72.30	54.4282	EOSW
9312	443067.9803	2868675.402	544+81.83	52.9692	EOSW
9313	443076.961	2868670.806	544+91.73	52.5	EOSW
9314	443044.716	2868700.289	544+52.13	66.5	EOSW
9315	443055.255	2868695.187	544+63.18	65.9338	EOSW
9316	443065.192	2868688.994	544+74.13	64.2399	EOSW
9317	443072.9392	2868684.086	544+82.73	62.9244	EOSW
9318	443081.1034	2868679.908	544+91.73	62.5	EOSW
9319	443098.832	2868671.839	545+11.21	62.5	EOSW
9320	443102.4726	2868670.182	545+15.21	62.5	EOSW
9321	443117.1786	2868711.862	545+11.33	106.5273	EOSW
9322	443118.808	2868715.717	545+11.21	110.7109	EOSW
9323	443120.2042	2868719.662	545+10.85	114.8803	EOSW
9324	443121.6004	2868723.608	545+10.49	119.0496	EOSW
9325	443123.2299	2868727.463	545+10.37	123.2332	EOSW
9326	443123.9842	2868729.108	545+10.38	125.0434	EOSW
9327	443179.5786	2868701.601	545+72.37	123.037	EOSW
9328	443183.1823	2868699.863	545+76.37	122.9481	EOSW
9329	443154.3523	2868646.57	545+72.21	62.5	EOSW
9330	443157.993	2868644.913	545+76.21	62.5	EOSW
9331	443170.7084	2868628.139	545+94.73	52.5	EOSW



This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/12/18 and the original document is stored at the City of West Fargo

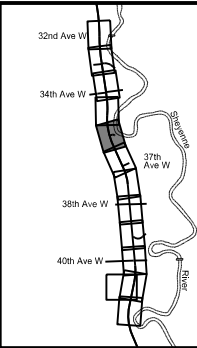
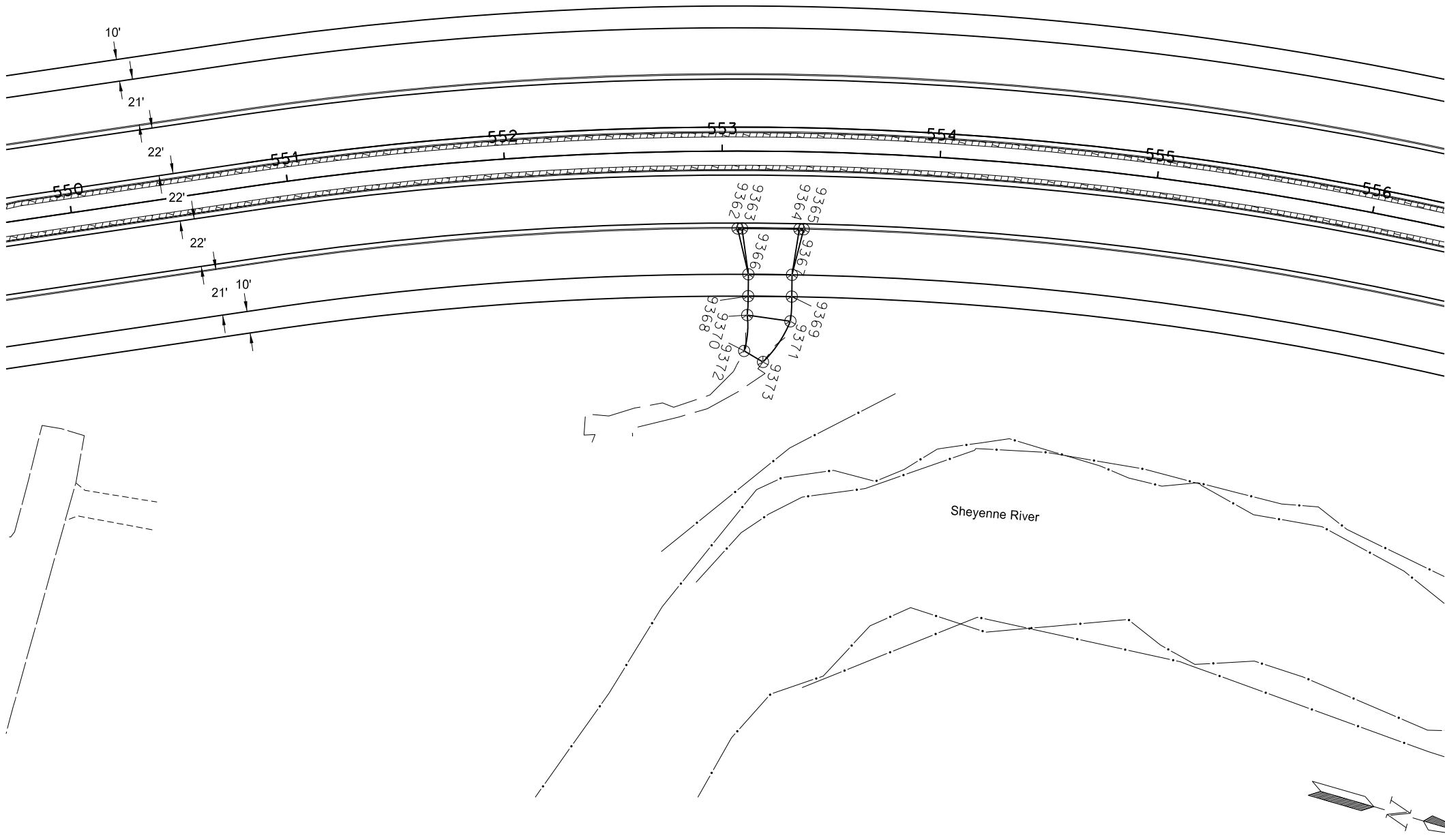
Sheyenne Street

Survey Data Layout

Sta 544+00 to Sta 550+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	9

Point#	North(Y)	East(X)	Station	Offset	Description
9362	443813.2299	2868334.734	553+07.09	35.5	BOC
9363	443815.1524	2868334.182	553+09.13	35.5	BOC
9364	443840.4862	2868327.174	553+36.04	35.5	BOC
9365	443842.4187	2868326.659	553+38.09	35.5	BOC
9366	443823.7739	2868353.561	553+12.20	56.5	BOC
9367	443843.05	2868348.229	553+32.97	56.5	BOC
9368	443826.4533	2868363.196	553+12.15	66.5	BOC
9369	443845.7361	2868357.862	553+33.06	66.5	BOC
9370	443828.4407	2868371.649	553+11.73	75.1741	BOC
9371	443848.2506	2868368.898	553+32.60	77.8101	BOC
9372	443831.6746	2868387.86	553+10.32	91.6514	BOC
9373	443841.3645	2868390.288	553+19.56	96.6186	BOC

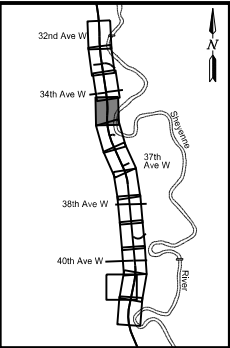
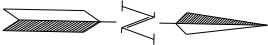
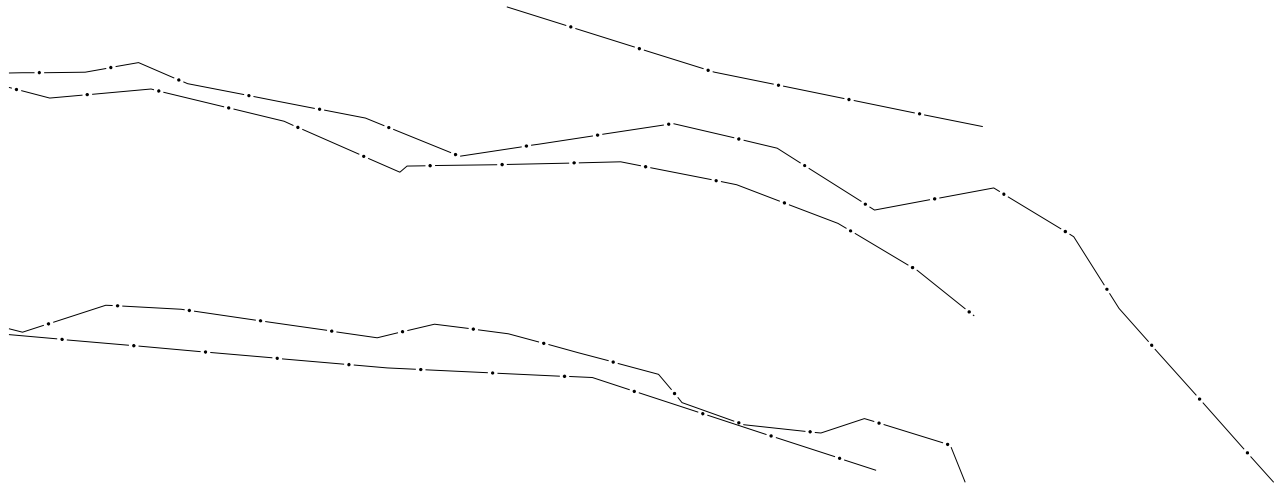
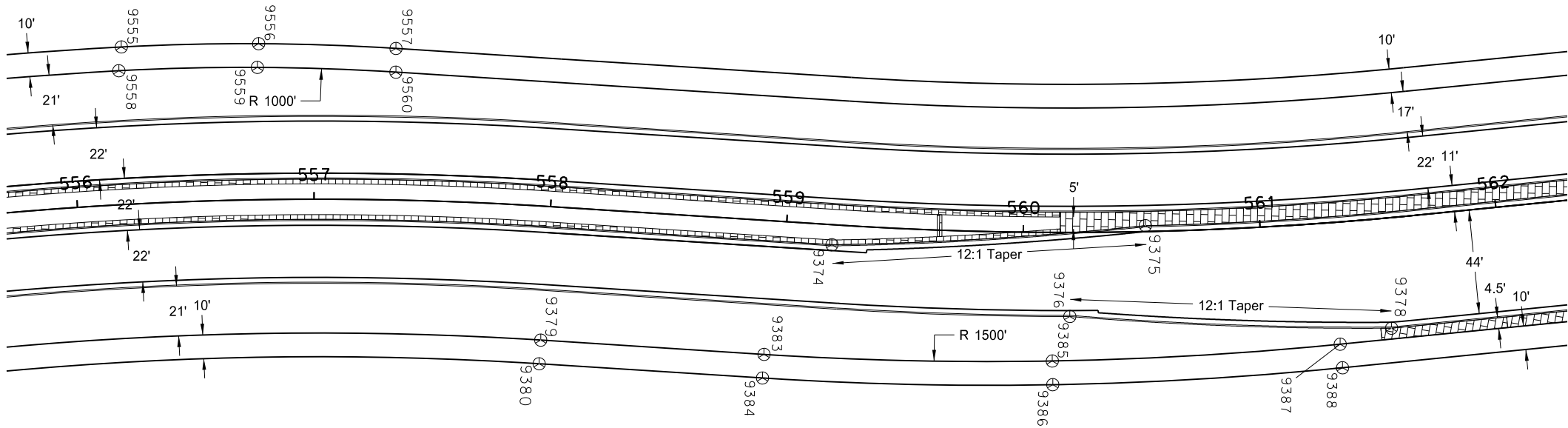


This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street
Survey Data Layout
Sta 550+00 to Sta 556+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	10

Point#	North(Y)	East(X)	Station	Offset	Description
9374	444409.8886	2868256.021	559+19.61	8.5	BOC
9375	444542.0962	2868245.112	560+51.61	-2.5	BOC
9376	444511.0037	2868284.147	560+19.61	35.5	BOC
9378	444646.9976	2868286.169	561+51.61	46.5	EOSW
9379	444287.748	2868298.909	557+99.39	56.5	EOSW
9380	444287.3264	2868308.9	557+99.39	66.5	EOSW
9383	444382.1986	2868302.895	558+93.92	56.5	EOSW
9384	444381.7769	2868312.886	558+93.92	66.5	EOSW
9385	444504.0231	2868303.085	560+12.47	54.2973	EOSW
9386	444504.4136	2868313.077	560+12.68	64.295	EOSW
9387	444625.4612	2868293.388	561+30.15	51.4692	EOSW
9388	444626.6568	2868303.316	561+30.38	61.4663	EOSW
9555	444107.9864	2868178.952	556+22.03	-66.5	EOSW
9556	444165.9594	2868176.348	556+77.65	-65.8721	EOSW
9557	444223.9858	2868177.112	557+33.29	-63.9892	EOSW
9558	444107.1605	2868189.041	556+20.52	-56.5	EOSW
9559	444165.6258	2868186.372	556+76.97	-55.8682	EOSW
9560	444224.1471	2868187.127	557+33.44	-53.9734	EOSW



This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/12/18 and the original document is stored at the City of West Fargo

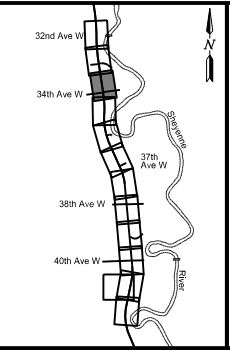
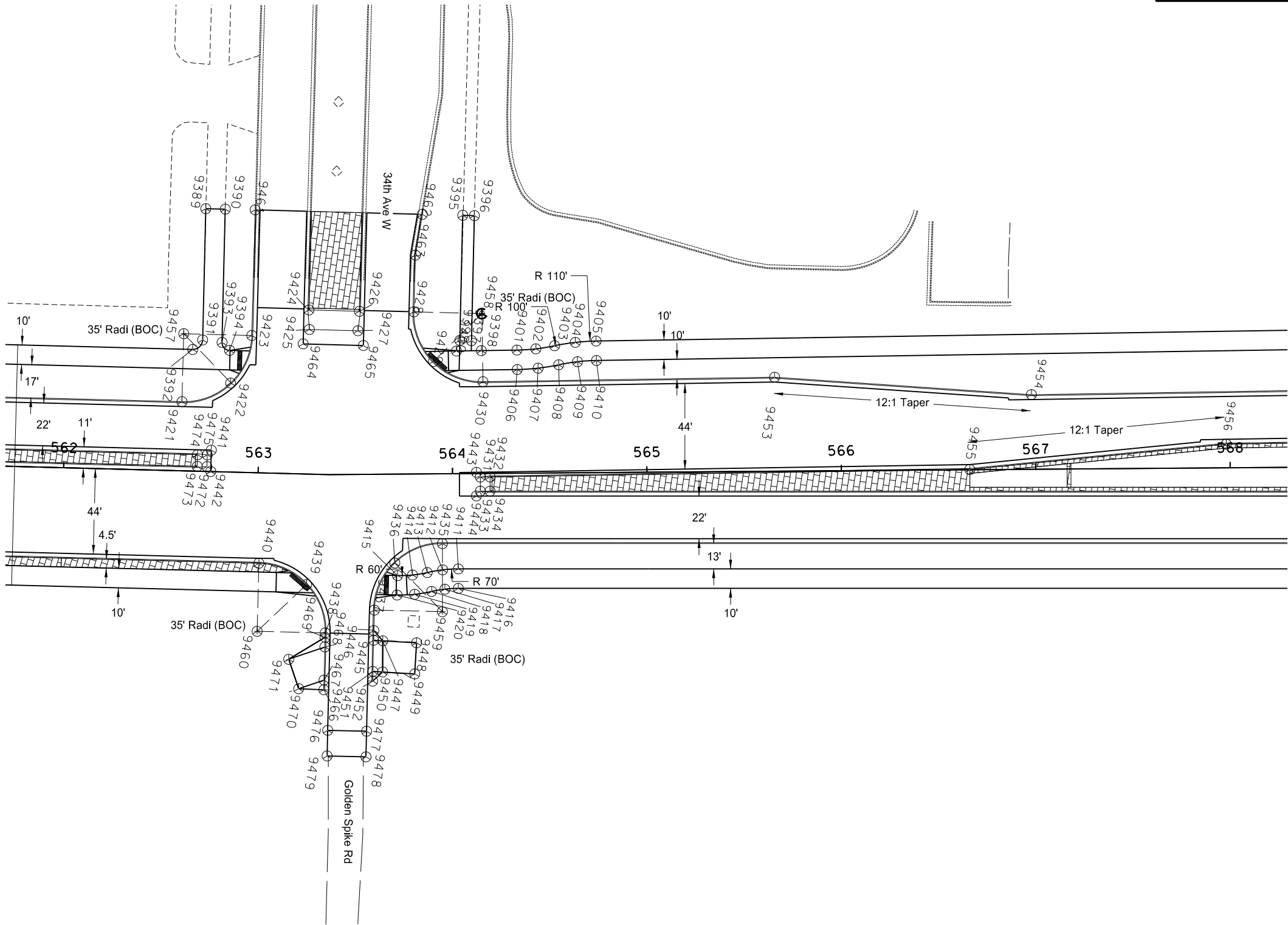
Sheyenne Street

Survey Data Layout

Sta 556+00 to Sta 562+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	11

See Sheet 82-12 for related Point Information



This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street

Survey Data Layout

Sta 562+00 to Sta 568+00 (PR17)

9389	444742.8792	2868091.821	562+69.64	-135.0183	EOSW
9390	444752.8051	2868090.607	562+79.64	-135.0329	EOSW
9391	444751.079	2868158.833	562+69.74	-67.5073	EOSW
9392	444746.716	2868164.404	562+64.74	-62.5	EOSW
9393	444761.1298	2868158.638	562+79.74	-66.4942	EOSW
9394	444765.5802	2868162.123	562+83.74	-62.5	EOSW
9395	444874.0965	2868075.986	564+06.26	-132.7425	EOSW
9396	444880.0513	2868075.252	564+12.26	-132.5579	EOSW
9397	444887.9267	2868139.082	564+10.28	-68.2735	EOSW
9398	444893.6927	2868143.405	564+15.32	-63.1198	EOSW
9399	444881.9718	2868139.817	564+04.28	-68.4581	EOSW
9400	444881.0177	2868145.469	564+02.48	-63.0183	EOSW
9401	444911.7562	2868140.463	564+33.62	-63.2645	EOSW
9402	444921.3115	2868138.424	564+43.37	-63.819	EOSW
9403	444930.6222	2868135.461	564+53.03	-65.3228	EOSW
9404	444940.864	2868132.202	564+63.65	-66.977	EOSW
9405	444951.375	2868129.959	564+74.38	-67.587	EOSW
9406	444913.3635	2868150.333	564+33.70	-53.2648	EOSW
9407	444923.8744	2868148.09	564+44.43	-53.8748	EOSW
9408	444934.1162	2868144.831	564+55.05	-55.529	EOSW
9409	444943.4269	2868141.868	564+64.70	-57.0328	EOSW
9410	444952.9823	2868139.829	564+74.46	-57.5873	EOSW
9411	444898.294	2868256.152	564+02.62	49.0044	EOSW
9412	444890.3925	2868257.784	563+94.56	49.4085	EOSW
9413	444882.7312	2868260.314	563+86.61	50.7371	EOSW
9414	444875.4191	2868262.676	563+79.02	51.9538	EOSW
9415	444867.865	2868264.085	563+71.34	52.1909	EOSW
9416	444899.7486	2868266.046	564+02.55	59.0041	EOSW
9417	444892.9758	2868267.444	563+95.64	59.3505	EOSW
9418	444886.409	2868269.613	563+88.82	60.4893	EOSW
9419	444877.949	2868272.314	563+80.05	61.8646	EOSW
9420	444869.0651	2868274.013	563+71.01	62.1853	EOSW
9421	444745.2048	2868191.783	562+59.96	-35.5	BOC
9422	444768.53	2868178.654	562+84.69	-45.7347	BOC
9423	444775.7571	2868152.882	562+94.96	-70.4532	BOC
9424	444802.9017	2868135.633	563+23.98	-84.3202	BOC
9425	444804.585	2868145.503	563+24.46	-74.3196	BOC
9426	444828.7179	2868132.547	563+52.77	-83.7867	BOC
9427	444829.4083	2868142.536	563+51.92	-73.81	BOC
9428	444856.459	2868128.713	563+80.77	-83.3334	BOC
9429	444870.1641	2868152.523	563+90.67	-57.7072	BOC
9430	444896.8374	2868159.104	564+16.02	-47.1249	BOC
9431	444902.6092	2868207.809	564+14.28	1.8904	BOC
9432	444907.5448	2868207.006	564+19.28	1.8509	BOC
9433	444903.6566	2868214.934	564+14.23	9.091	BOC
9434	444908.6034	2868214.206	564+19.23	9.1288	BOC

Point#	North(Y)	East(X)	Station	Offset	Description
9435	444888.2956	2868244.482	563+94.53	35.9428	BOC
9436	444865.552	2868257.891	563+70.00	45.7157	BOC
9437	444858.6471	2868283.374	563+59.28	69.8431	BOC
9438	444835.3376	2868298.675	563+36.36	-81.4362	BOC
9439	444822.288	2868275.469	563+26.44	56.8323	BOC
9440	444796.3979	2868268.192	563+01.61	46.5	BOC
9441	444763.7117	2868214.224	562+75.64	-11	EOP
9442	444765.0318	2868225.145	562+75.64	0	EOP
9443	444900.2713	2868205.657	564+12.30	-0.594	EOP
9444	444902.0415	2868217.698	564+12.21	11.5758	EOP
9445	444859.9267	2868293.798	563+58.95	80.3404	BOC
9446	444860.5358	2868298.761	563+58.79	85.338	BOC
9447	444865.2416	2868298.351	563+63.51	85.6527	EOP
9448	444882.5707	2868296.842	563+80.86	86.8115	EOP
9449	444883.9587	2868312.782	563+79.80	102.776	EOP
9450	444867.4442	2868314.22	563+63.26	101.6716	EOP
9451	444862.4863	2868314.652	563+58.29	101.34	BOC
9452	444863.0954	2868319.614	563+58.13	106.3376	BOC
9453	445044.8916	2868134.993	565+66.02	-48.311	BOC
9454	445176.8616	2868124.646	566+98.02	-38.3545	BOC
9455	445151.1186	2868167.338	566+66.06	-0.1005	BOC
9456	445279.6936	2868135.255	567+98.02	-12.1443	BOC
9457	444741.0044	2868157.036	562+59.96	-70.5	CEN OF RAD
9458	444891.2116	2868124.559	564+15.75	-82.1238	CEN OF RAD
9459	444893.3864	2868279.11	563+94.26	70.9418	CEN OF RAD
9460	444800.5983	2868302.939	563+01.61	81.5	CEN OF RAD
9461	444768.0899	2868088.736	562+95.04	-135.0553	BOC
9462	444853.4552	2868078.533	563+85.47	-133.3824	BOC
9463	444852.9992	2868099.767	563+81.78	-112.4674	BOC
9464	444802.4963	2868153.306	563+21.45	-66.8236	EOP
9465	444833.2772	2868149.627	563+54.66	-66.2108	EOP
9466	444838.8993	2868327.692	563+36.36	-110.6713	BOC
9467	444838.2901	2868322.729	563+36.36	-105.6713	BOC
9468	444836.214	2868305.815	563+36.36	-88.6303	BOC
9469	444835.6049	2868300.852	563+36.36	-83.6303	BOC
9470	444826.0364	2868329.007	563+23.74	110.4331	EOP
9471	444818.764	2868314.813	563+18.22	95.4685	EOP
9472	444762.7462	2868222.903	562+73.64	-2.5	BOC
9473	444757.7823	2868223.503	562+68.64	-2.5	BOC
9474	444757.0623	2868217.546	562+68.64	-8.5	BOC
9475	444762.0261	2868216.946	562+73.64	-8.5	BOC
9476	444843.9104	2868347.998	563+36.36	-131.4619	EOP
9477	444863.7614	2868345.561	563+54.82	132.0808	EOP
9478	444865.3657	2868358.631	563+54.41	145.2425	EOP
9479	444845.5147	2868361.068	563+36.36	-144.6277	EOP

This document was originally issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/12/18 and the original document is stored at the
City of West Fargo

Sheyenne Street

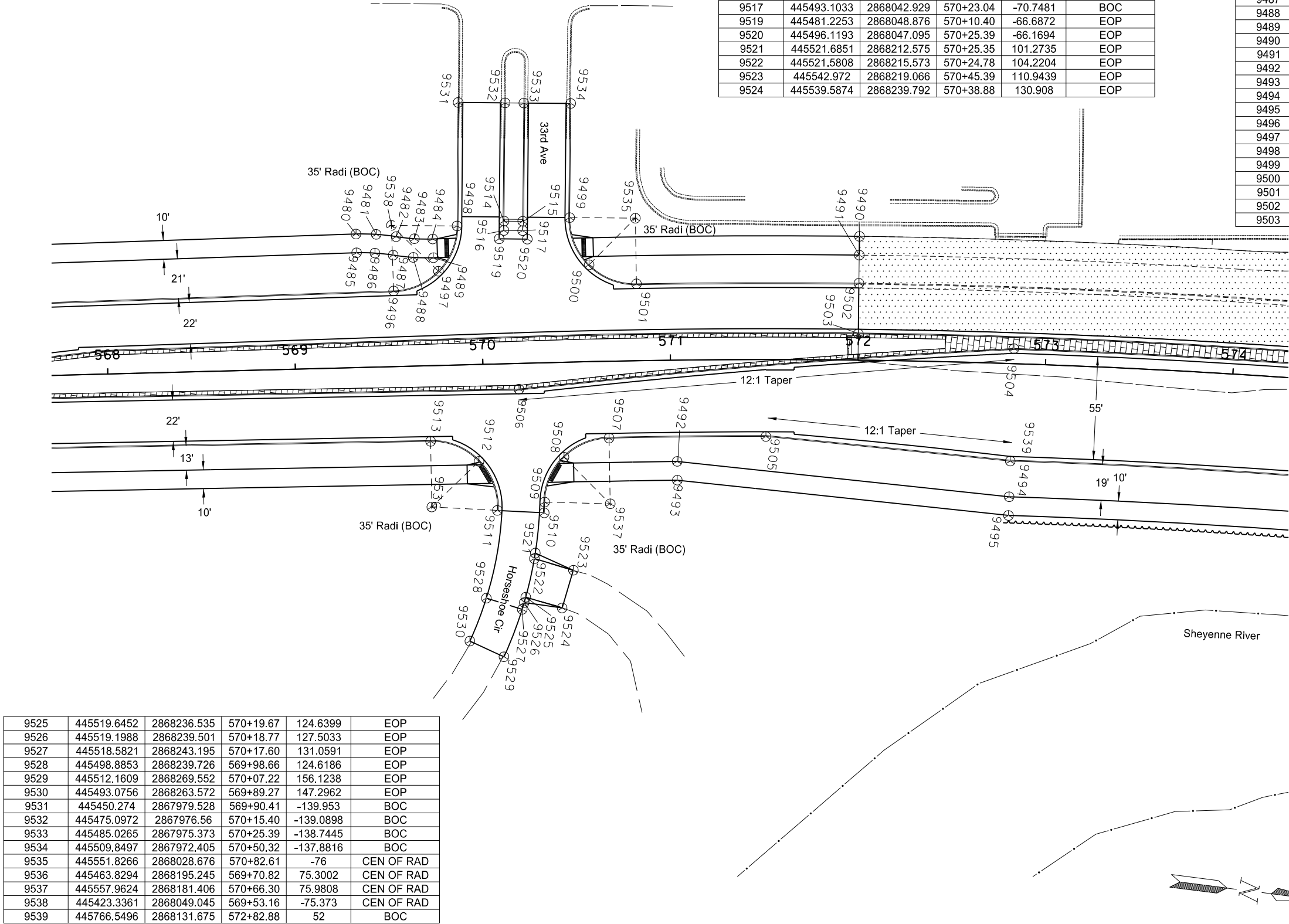
Survey Data Layout

Sta 562+00 to Sta 568+00 (PR17)

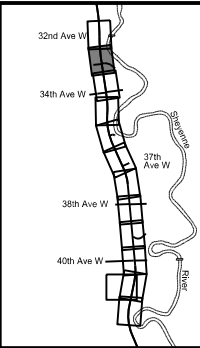
9504	445760.8611	2868071.945	572+82.88	-8	BOC
9505	445635.6762	2868135.254	571+50.88	41	BOC
9506	445501.8973	2868126.982	570+18.88	13.6617	BOC
9507	445552.8716	2868146.778	570+66.41	40.981	BOC
9508	445530.336	2868159.917	570+41.95	50.5582	BOC
9509	445523.1467	2868184.993	570+31.01	74.2396	BOC
9510	445523.6578	2868190.711	570+30.64	79.9689	BOC
9511	445498.7293	2868192.6	570+05.71	78.0236	BOC
9512	445485.6897	2868167.912	569+96.60	51.6311	BOC
9513	445458.7385	2868160.617	569+71.09	40.3012	BOC
9514	445482.5805	2868039.151	570+13.22	-76.0905	BOC
9515	445492.5097	2868037.964	570+23.22	-75.7452	BOC
9516	445483.174	2868044.116	570+13.05	-71.0934	BOC
9517	445493.1033	2868042.929	570+23.04	-70.7481	BOC
9519	445481.2253	2868048.876	570+10.40	-66.6872	EOP
9520	445496.1193	2868047.095	570+25.39	-66.1694	EOP
9521	445521.6851	2868212.575	570+25.35	101.2735	EOP
9522	445521.5808	2868215.573	570+24.78	104.2204	EOP
9523	445542.972	2868219.066	570+45.39	110.9439	EOP
9524	445539.5874	2868239.792	570+38.88	130.908	EOP

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND SU-8-992(040)041	82	13

Point#	North(Y)	East(X)	Station	Offset	Description
9480	445405.2155	2868056.049	569+34.18	-71.2228	EOSW
9481	445415.8952	2868054.841	569+44.92	-70.7827	EOSW
9482	445426.6418	2868054.682	569+55.57	-69.2966	EOSW
9483	445436.4114	2868054.537	569+65.24	-67.9456	EOSW
9484	445446.1202	2868053.44	569+75.01	-67.5455	EOSW
9485	445406.8229	2868065.919	569+34.26	-61.2231	EOSW
9486	445416.5317	2868064.821	569+44.02	-60.823	EOSW
9487	445426.3013	2868064.676	569+53.70	-59.472	EOSW
9488	445437.0479	2868064.517	569+64.35	-57.986	EOSW
9489	445447.7276	2868063.31	569+75.08	-57.5458	EOSW
9490	445671.5829	2868023.062	572+00.00	-66	EOSW
9491	445672.737	2868032.995	572+00.00	-56	EOSW
9492	445590.4516	2868154.466	571+02.93	54	EOSW
9493	445591.807	2868164.374	571+02.88	64	EOSW
9494	445768.351	2868150.589	572+82.88	71	EOSW
9495	445769.2991	2868160.544	572+82.88	81	EOSW
9496	445428.9618	2868083.59	569+53.44	-40.3741	BOC
9497	445451.3007	2868070.092	569+77.58	-50.297	BOC
9498	445458.0886	2868044.89	569+88.14	-74.1645	BOC
9499	445517.0741	2868032.831	570+48.28	-77.0609	BOC
9500	445530.5507	2868056.467	570+57.86	-51.653	BOC
9501	445556.8845	2868063.309	570+82.61	-41	BOC
9502	445674.4682	2868047.895	572+00.00	-41	BOC
9503	445677.5844	2868074.714	572+00.00	-14	BOC



9525	445519.6452	2868236.535	570+19.67	124.6399	EOP
9526	445519.1988	2868239.501	570+18.77	127.5033	EOP
9527	445518.5821	2868243.195	570+17.60	131.0591	EOP
9528	445498.8853	2868239.726	569+98.66	124.6186	EOP
9529	445512.1609	2868269.552	570+07.22	156.1238	EOP
9530	445493.0756	2868263.572	569+89.27	147.2962	EOP
9531	445450.274	2867979.528	569+90.41	-139.953	BOC
9532	445475.0972	2867976.56	570+15.40	-139.0898	BOC
9533	445485.0265	2867975.373	570+25.39	-138.7445	BOC
9534	445509.8497	2867972.405	570+50.32	-137.8816	BOC
9535	445551.8266	2868028.676	570+82.61	-76	CEN OF RAD
9536	445463.8294	2868195.245	569+70.82	75.3002	CEN OF RAD
9537	445557.9624	2868181.406	570+66.30	75.9808	CEN OF RAD
9538	445423.3361	2868049.045	569+53.16	-75.373	CEN OF RAD
9539	445766.5496	2868131.675	572+82.88	52	BOC

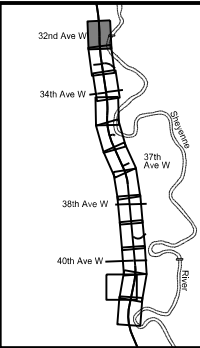
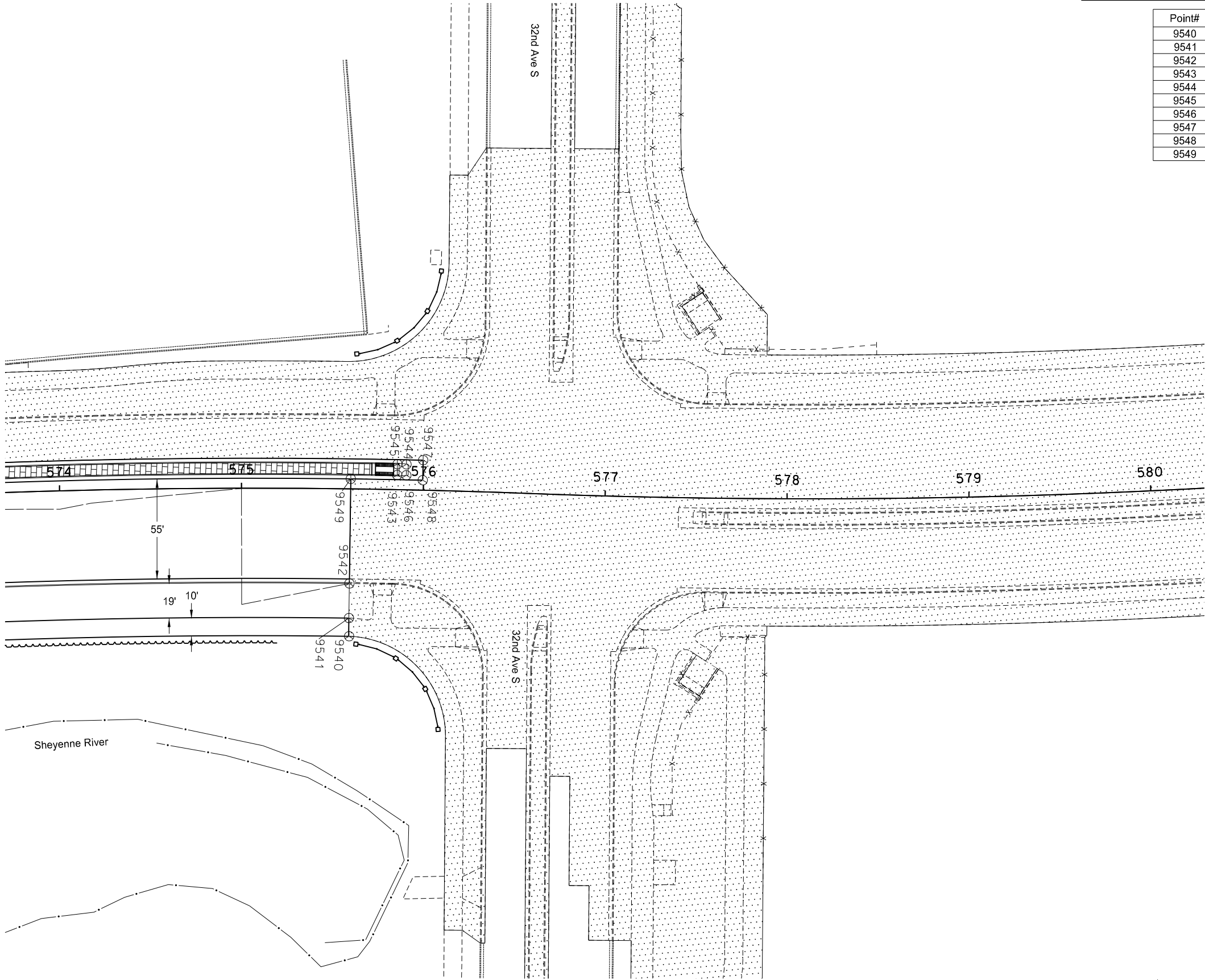


This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street
Survey Data Layout
Sta 568+00 to Sta 574+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	14

Point#	North(Y)	East(X)	Station	Offset	Description
9540	446040.4783	2868144.191	575+60.22	81.0145	EOSW
9541	446040.0031	2868134.194	575+60.00	71.0085	EOSW
9542	446039.5151	2868115.192	575+60.00	52	BOC
9543	446063.4773	2868054.638	575+85.46	-8	BOC
9544	446068.4849	2868054.544	575+90.46	-8	BOC
9545	446063.3534	2868048.639	575+85.45	-14	BOC
9546	446068.3526	2868048.546	575+90.43	-14	BOC
9547	446077.407	2868045.892	575+99.50	-16.5	EOP
9548	446077.5835	2868056.891	575+99.50	-5.5	EOP
9549	446038.0391	2868057.711	575+60.00	-5.5	EOP



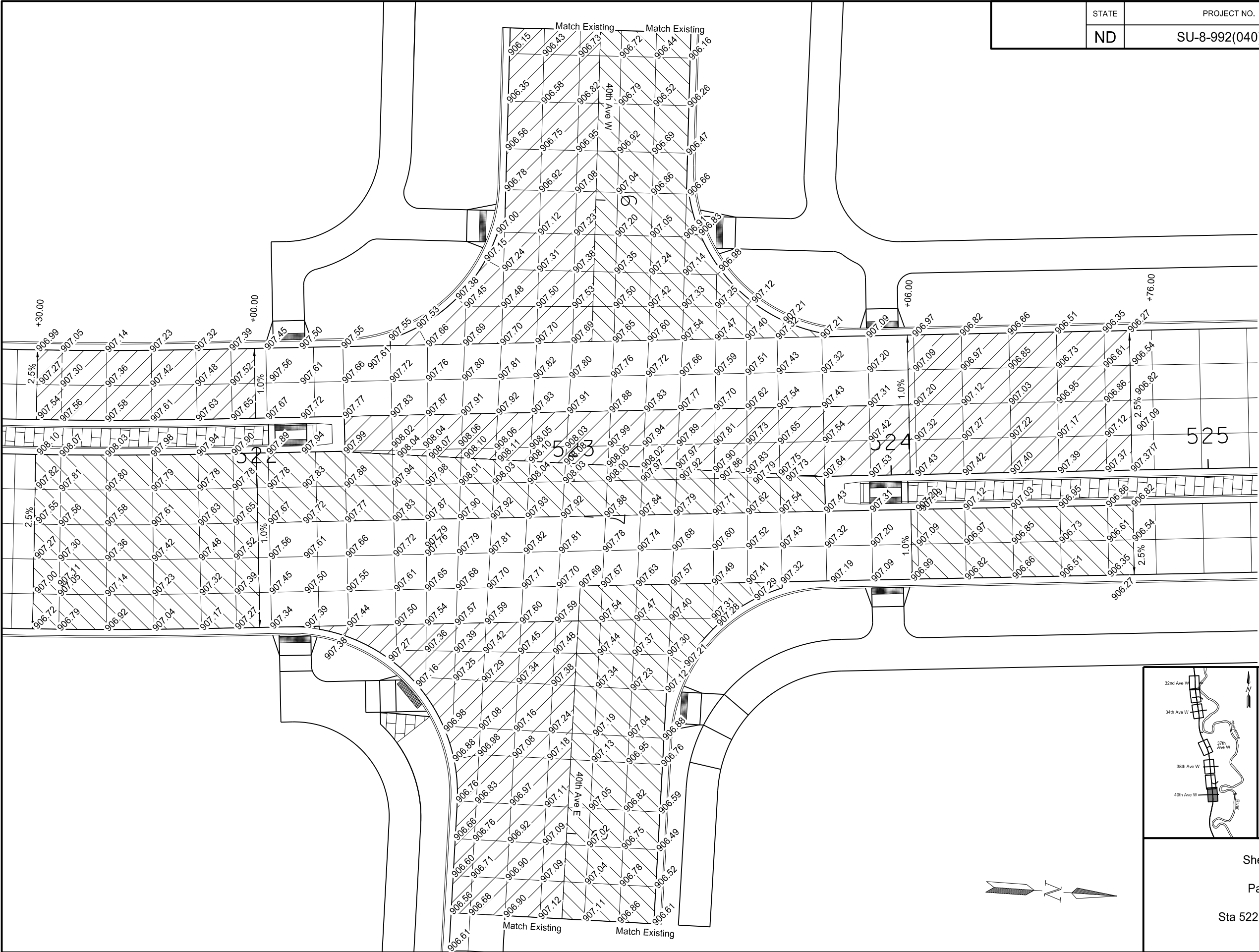
This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/12/18 and the original document is stored at the City of West Fargo

Sheyenne Street

Survey Data Layout

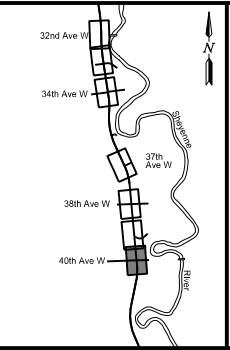
Sta 574+00 to Sta 580+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	15



LEGEND

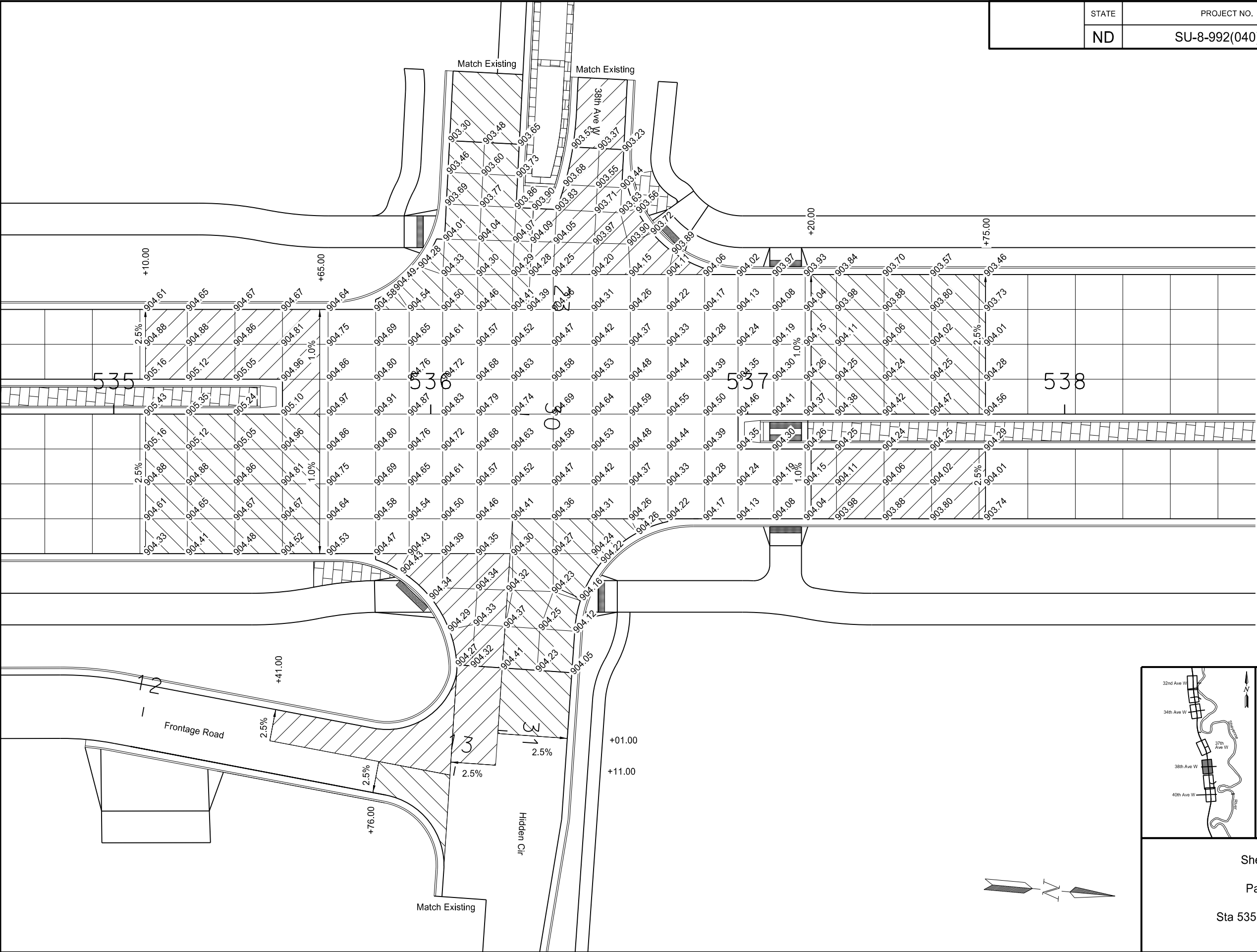
 CROSS SLOPE TRANSITION



This document was originally issued and sealed by
Jonathan P. Morgenroth
Registration Number
PE- 6872,
on 08/13/18 and the original document is stored at the
City of West Fargo

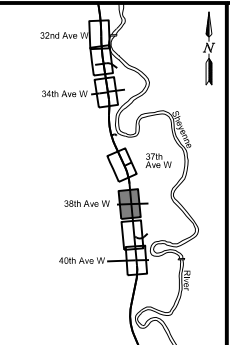
Sheyenne Street
Paving Grades
Sta 522+00 to Sta 525+00

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	17



LEGEND

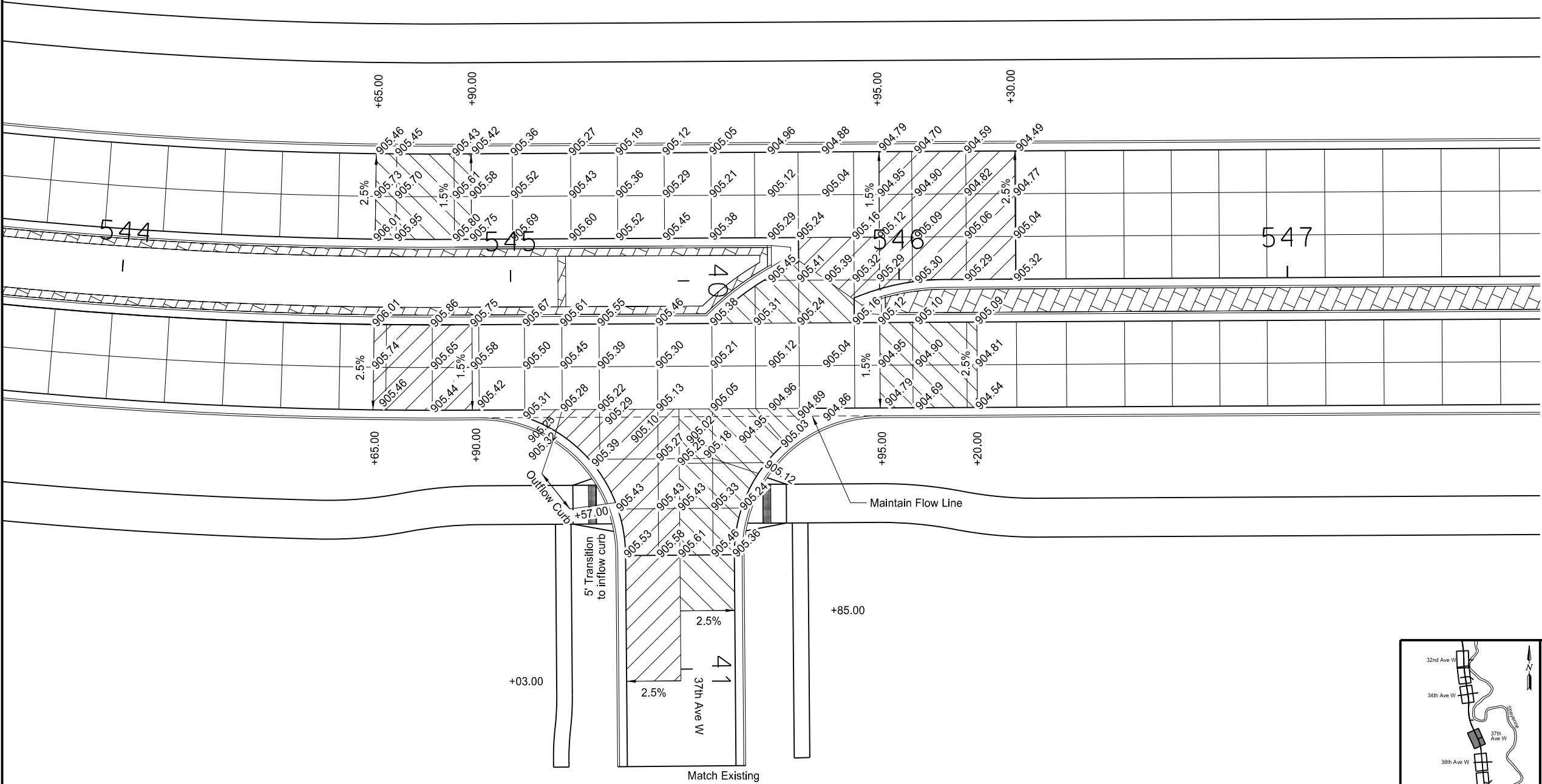
CROSS SLOPE TRANSITION



This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/13/18 and the original document is stored at the City of West Fargo

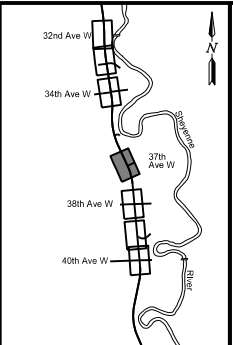
Sheyenne Street
Paving Grades
Sta 535+00 to Sta 538+00

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	18



LEGEND

 CROSS SLOPE TRANSITION



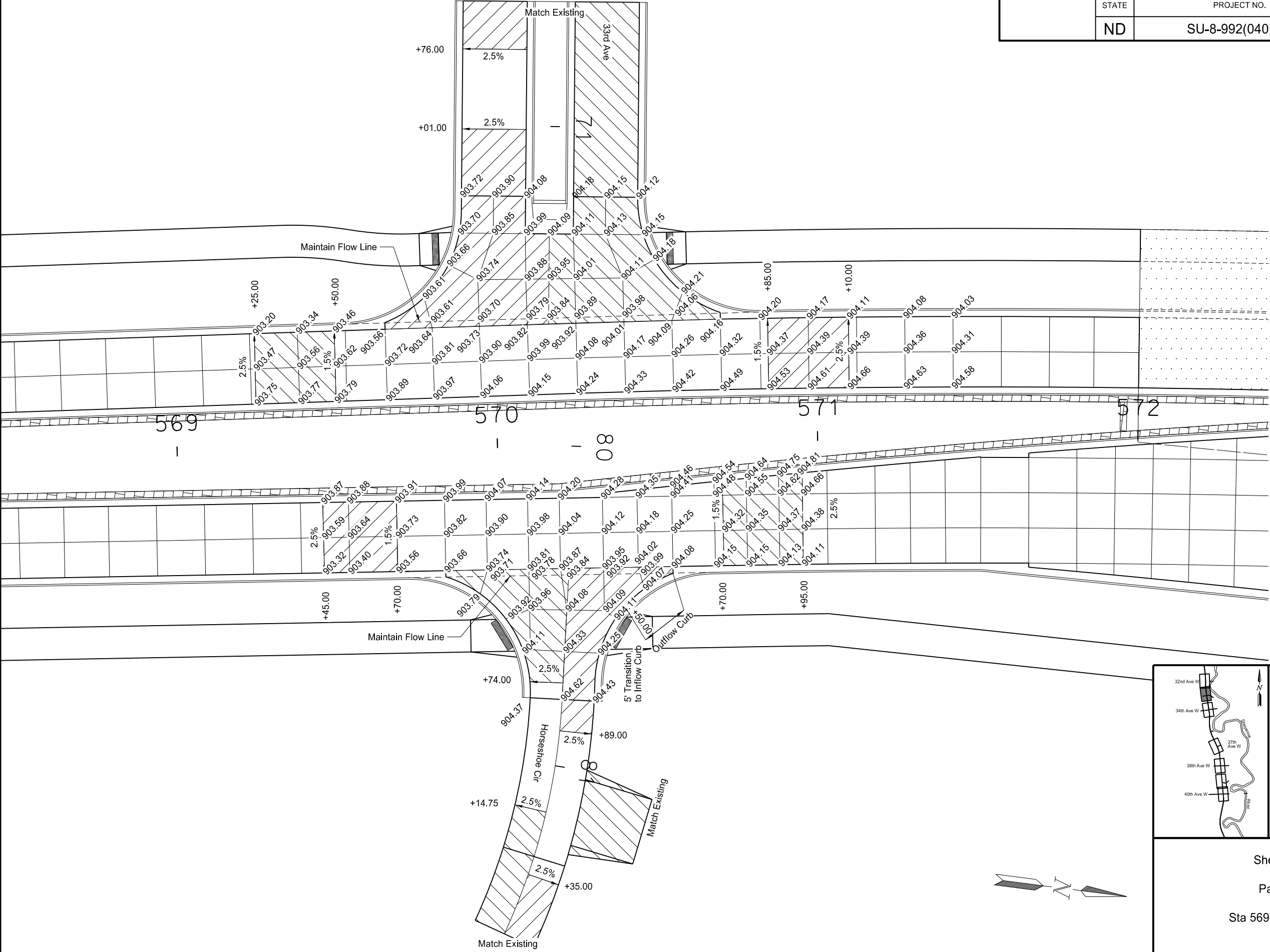
This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/13/18 and the original document is stored at the City of West Fargo

Sheyenne Street

Paving Grades

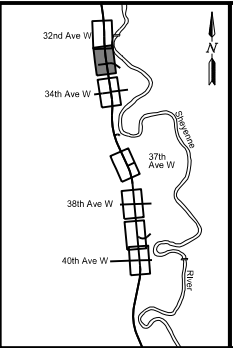
Sta 544+00 to Sta 547+00 (PR17)

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SU-8-992(040)041	82	20



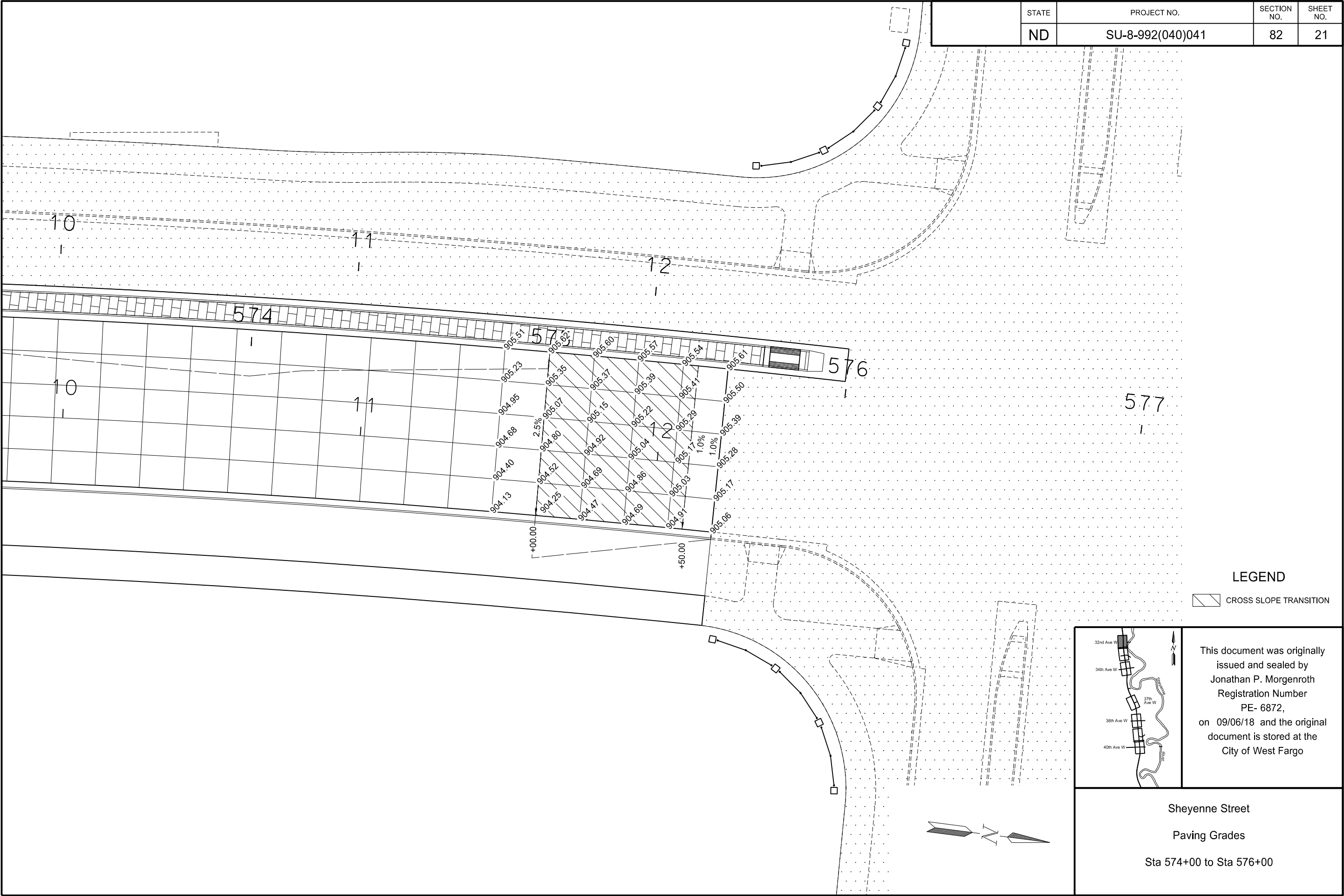
LEGEND

CROSS SLOPE TRANSITION



This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 08/13/18 and the original document is stored at the City of West Fargo

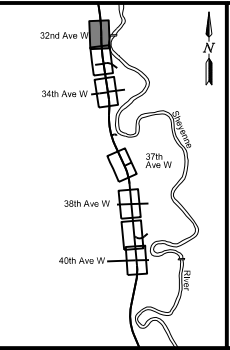
Sheyenne Street
Paving Grades
Sta 569+00 to Sta 572+00



STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SU-8-992(040)041	82	21

LEGEND

 CROSS SLOPE TRANSITION



This document was originally issued and sealed by Jonathan P. Morgenroth Registration Number PE- 6872, on 09/06/18 and the original document is stored at the City of West Fargo

Sheyenne Street
Paving Grades
Sta 574+00 to Sta 576+00