STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	90	1

NHU-8-081(039)924

Spec Code Description

302 0100 SALVAGED BASE COURSE

Sta 2000+00 to Sta 2000+50*	Phase 4C	13	TON
Sta 1306+27 to Sta 1306+50	Phase 5	17	TON
Sta 1301+80 to Sta 1305+32	Phase 6B	1007	TON
Sta 1304+80 to Sta 1305+50	Phase 6C	28	TON
Sta 1302+13 to Sta 1304+68	Phase 6D	78	TON
	Total	1143	TON

550 0315 11IN NON-REINF CONCRETE PAVEMENT

Sta 1301+80 to Sta 1305+30	Phase 6B	1190	SY

709 0151 GEOSYNTHETIC MATERIAL TYPE R1

Sta 1306+27 to Sta 1306+50	Phase 5	49	SY
Sta 1301+80 to Sta 1305+32	Phase 6B	1622	SY
Sta 1304+80 to Sta 1305+50	Phase 6C	50	SY
Sta 1302+13 to Sta 1304+68	Phase 6D	124	SY
	Total	1845	SY

748 0140 CURB & GUTTER-TYPE 1

Sta 1306+27 to Sta 1306+50	Phase 5	47	LF
Sta 1301+80 to Sta 1305+32	Phase 6B	756	LF
Sta 1304+80 to Sta 1305+50	Phase 6C	70	LF
Sta 1302+13 to Sta 1304+68	Phase 6D	287	LF
	Total	1160	LF

Spec Code Description

750 0100 SIDEWALK CONCRETE

Sta 2000+00 to Sta 2000+50*	Phase 4C	63	SY
Sta 1301+80 to Sta 1304+26	Phase 6B	210	SY
Sta 1304+13 to Sta 1304+29	Phase 6D	37	SY
	Total	310	SY

750 0200 CONCRETE MEDIAN PAVING

Sta 1306+27 to Sta 1306+50	Phase 5	38	SY
Sta 1304+29 to Sta 1304+66	Phase 6D	60	SY
	Total	98	SY

750 0210 CONCRETE MEDIAN NOSE PAVING

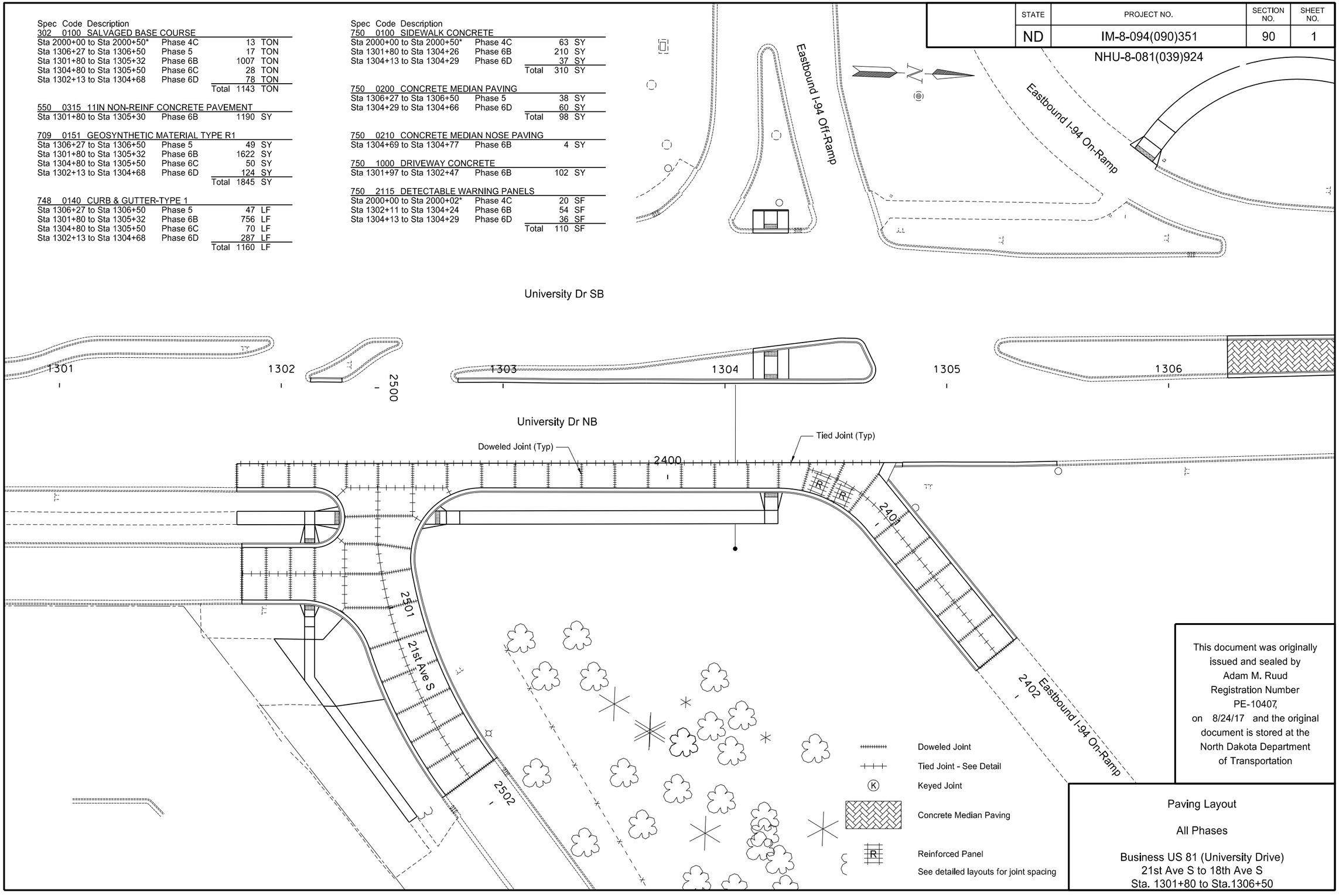
Sta 1304+69 to Sta 1304+77	Phase 6B	4	SY

750 1000 DRIVEWAY CONCRETE

Sta 1301+97 to Sta 1302+47	Phase 6B	102	SY

750 2115 DETECTABLE WARNING PANELS

Sta 2000+00 to Sta 2000+02*	Phase 4C	20	SF
Sta 1302+11 to Sta 1304+24	Phase 6B	54	SF
Sta 1304+13 to Sta 1304+29	Phase 6D	36	SF
	Total	110	SF



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Paving Layout

All Phases

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1301+80 to Sta.1306+50

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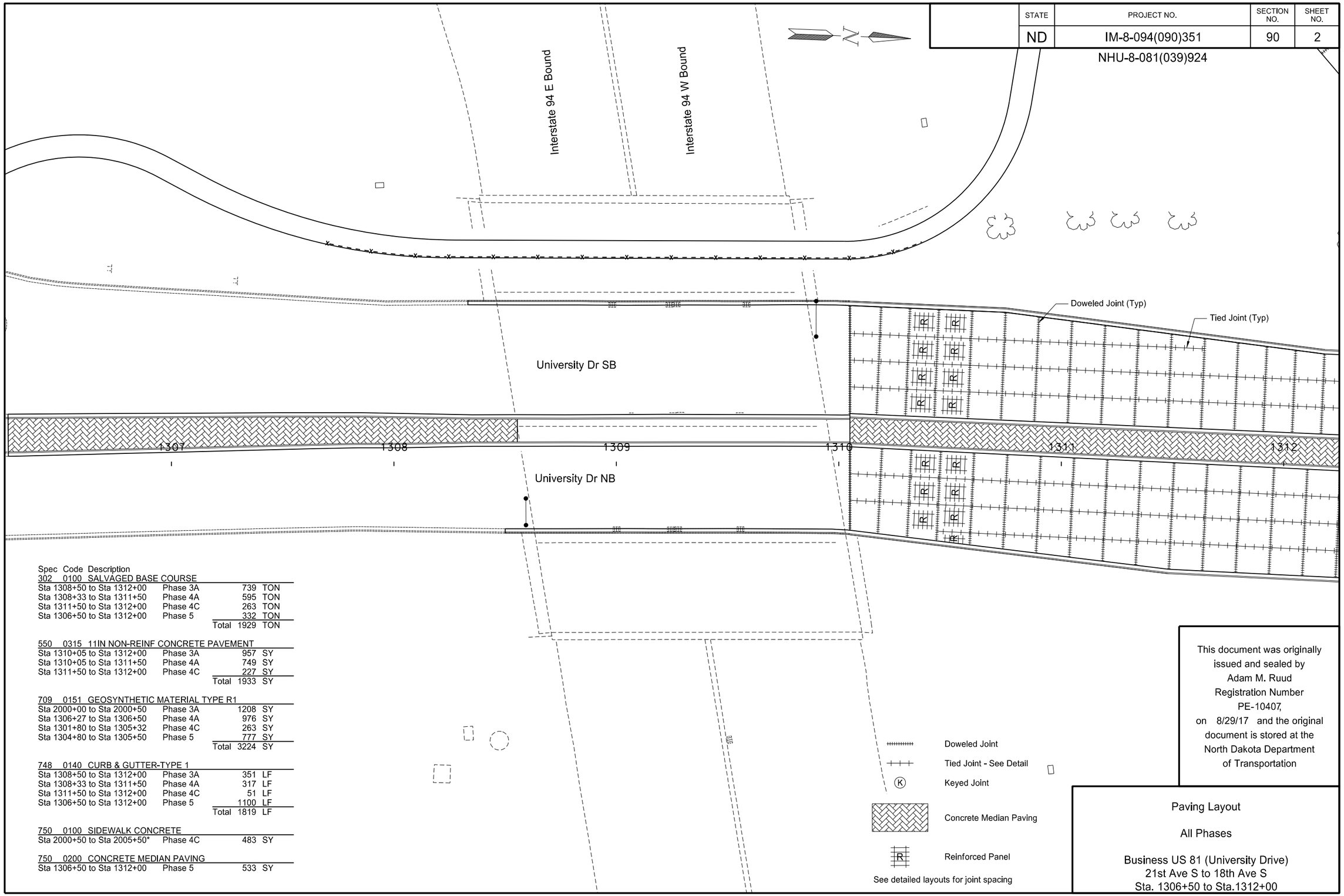
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	90	2

NHU-8-081(039)924



Spec Code Description

302 0100 SALVAGED BASE COURSE

Sta 1308+50 to Sta 1312+00	Phase 3A	739	TON
Sta 1308+33 to Sta 1311+50	Phase 4A	595	TON
Sta 1311+50 to Sta 1312+00	Phase 4C	263	TON
Sta 1306+50 to Sta 1312+00	Phase 5	332	TON
	Total	1929	TON

550 0315 11IN NON-REINF CONCRETE PAVEMENT

Sta 1310+05 to Sta 1312+00	Phase 3A	957	SY
Sta 1310+05 to Sta 1311+50	Phase 4A	749	SY
Sta 1311+50 to Sta 1312+00	Phase 4C	227	SY
	Total	1933	SY

709 0151 GEOSYNTHETIC MATERIAL TYPE R1

Sta 2000+00 to Sta 2000+50	Phase 3A	1208	SY
Sta 1306+27 to Sta 1306+50	Phase 4A	976	SY
Sta 1301+80 to Sta 1305+32	Phase 4C	263	SY
Sta 1304+80 to Sta 1305+50	Phase 5	777	SY
	Total	3224	SY

748 0140 CURB & GUTTER-TYPE 1

Sta 1308+50 to Sta 1312+00	Phase 3A	351	LF
Sta 1308+33 to Sta 1311+50	Phase 4A	317	LF
Sta 1311+50 to Sta 1312+00	Phase 4C	51	LF
Sta 1306+50 to Sta 1312+00	Phase 5	1100	LF
	Total	1819	LF

750 0100 SIDEWALK CONCRETE

Sta 2000+50 to Sta 2005+50*	Phase 4C	483	SY

750 0200 CONCRETE MEDIAN PAVING

Sta 1306+50 to Sta 1312+00	Phase 5	533	SY

Doweled Joint

Tied Joint - See Detail

(K) Keyed Joint

Concrete Median Paving

(R) Reinforced Panel

See detailed layouts for joint spacing

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Paving Layout

All Phases

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1306+50 to Sta.1312+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	90	3

NHU-8-081(039)924

Spec Code Description
302 0100 SALVAGED BASE COURSE

Sta 1312+00 to Sta 1317+50	Phase 3A	1574	TON
Sta 1313+10 to Sta 1313+69	Phase 3C	149	TON
Sta 1313+69 to Sta 1314+04	Phase 3D	90	TON
Sta 1314+24 to Sta 1317+50	Phase 4B	875	TON
Sta 1312+00 to Sta 1315+52	Phase 4C	1196	TON
Sta 1312+46 to Sta 1313+35	Phase 4D	192	TON
Sta 1313+35 to Sta 1317+50	Phase 5	522	TON
	Total	4598	TON

Spec Code Description
430 0500 COMMERCIAL GRADE HOT MIX ASPHALT

Sta 1315+65 to Sta 1317+50	Phase 4B	23	TON

550 0315 11IN NON-REINF CONCRETE PAVEMENT

Sta 1312+00 to Sta 1317+50	Phase 3A	2203	SY
Sta 1313+10 to Sta 1313+69	Phase 3C	238	SY
Sta 1313+69 to Sta 1314+04	Phase 3D	144	SY
Sta 1314+24 to Sta 1317+50	Phase 4B	1180	SY
Sta 1312+00 to Sta 1315+52	Phase 4C	1732	SY
Sta 1312+46 to Sta 1313+35	Phase 4D	118	SY
Sta 1313+35 to Sta 1317+50	Phase 5	469	SY
	Total	6084	SY

709 0151 GEOSYNTHETIC MATERIAL TYPE R1

Sta 1312+00 to Sta 1317+50	Phase 3A	2554	SY
Sta 1313+10 to Sta 1313+69	Phase 3C	238	SY
Sta 1313+69 to Sta 1314+04	Phase 3D	144	SY
Sta 1314+24 to Sta 1317+50	Phase 4B	1253	SY
Sta 1312+00 to Sta 1315+52	Phase 4C	1974	SY
Sta 1312+46 to Sta 1313+35	Phase 4D	247	SY
Sta 1313+35 to Sta 1317+50	Phase 5	932	SY
	Total	7342	SY

Spec Code Description
748 0140 CURB & GUTTER-TYPE 1

Sta 1312+00 to Sta 1317+50	Phase 3A	491	LF
Sta 1314+24 to Sta 1317+50	Phase 4B	326	LF
Sta 1312+00 to Sta 1314+24	Phase 4C	352	LF
Sta 1312+46 to Sta 1312+81	Phase 4D	72	LF
Sta 1306+50 to Sta 1312+00	Phase 5	811	LF
	Total	2052	LF

750 0030 PIGMENTED IMPRINTED CONCRETE

Sta 1315+05 to Sta 1317+37	Phase 4B	160	SY

750 0100 SIDEWALK CONCRETE

Sta 1315+69 to Sta 1317+50	Phase 4B	161	SY
Sta 2009+50 to Sta 2012+01	Phase 4D	275	SY
	Total	436	SY

750 0200 CONCRETE MEDIAN PAVING

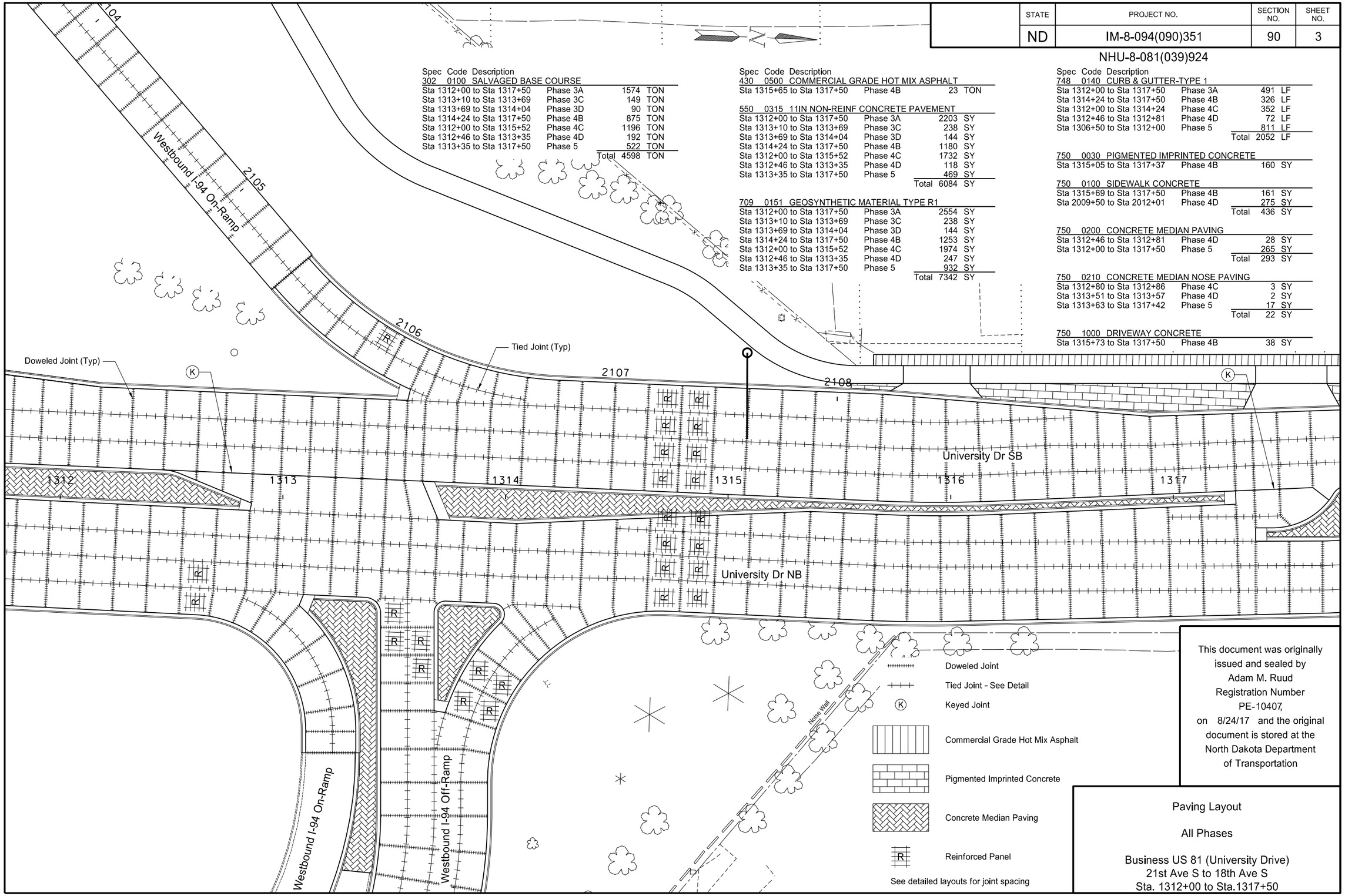
Sta 1312+46 to Sta 1312+81	Phase 4D	28	SY
Sta 1312+00 to Sta 1317+50	Phase 5	265	SY
	Total	293	SY

750 0210 CONCRETE MEDIAN NOSE PAVING

Sta 1312+80 to Sta 1312+86	Phase 4C	3	SY
Sta 1313+51 to Sta 1313+57	Phase 4D	2	SY
Sta 1313+63 to Sta 1317+42	Phase 5	17	SY
	Total	22	SY

750 1000 DRIVEWAY CONCRETE

Sta 1315+73 to Sta 1317+50	Phase 4B	38	SY



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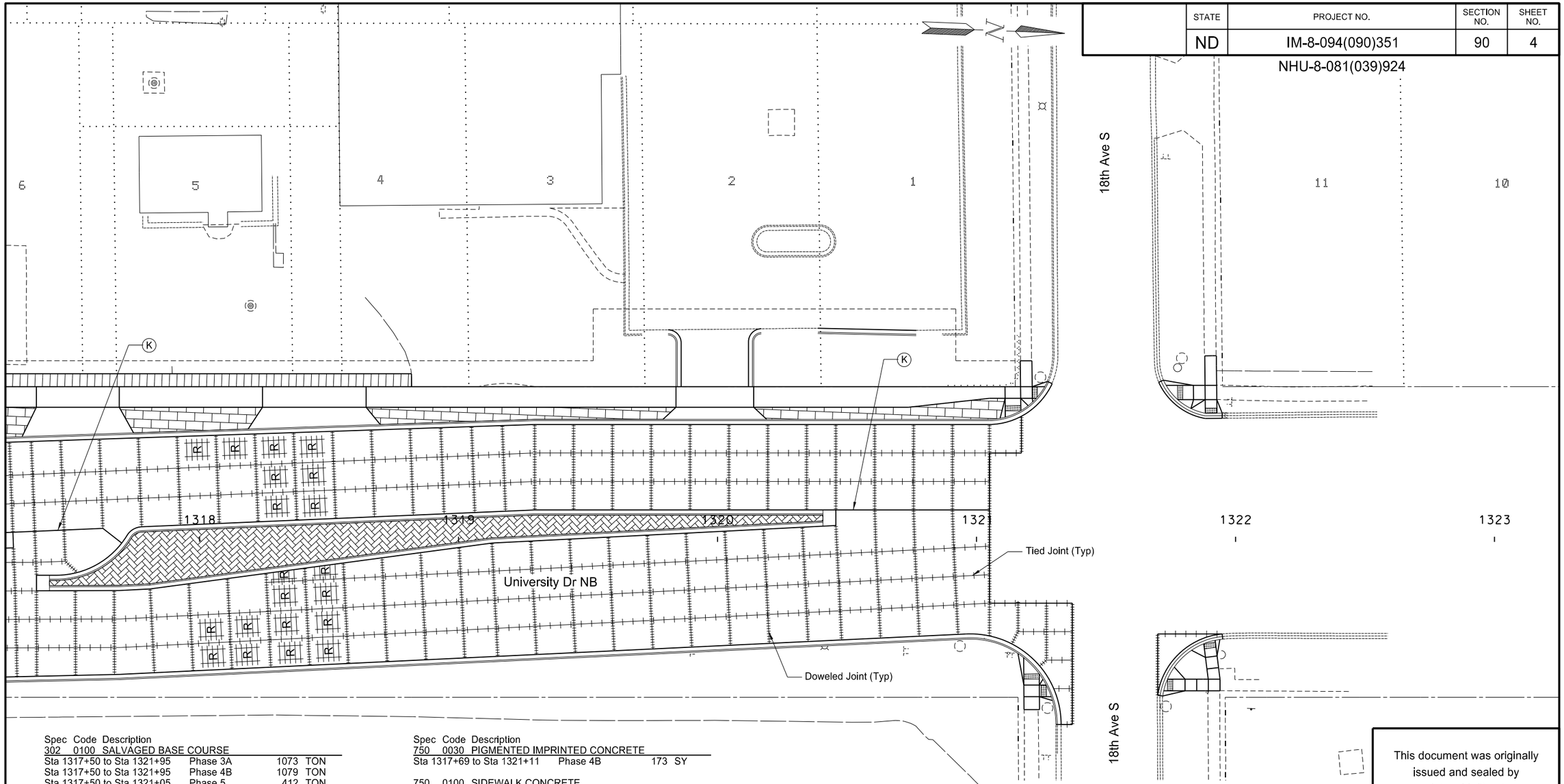
Paving Layout

All Phases

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1312+00 to Sta.1317+50

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	4
		NHU-8-081(039)924		



Spec Code Description

302 0100 SALVAGED BASE COURSE

Sta 1317+50 to Sta 1321+95	Phase 3A	1073	TON
Sta 1317+50 to Sta 1321+95	Phase 4B	1079	TON
Sta 1317+50 to Sta 1321+05	Phase 5	412	TON
	Total	2564	TON

450 0500 COMMERCIAL GRADE HOT MIX ASPHALT

Sta 1317+50 to Sta 1318+82	Phase 4B	16	TON

550 0315 11IN NON-REINF CONCRETE PAVEMENT

Sta 1317+50 to Sta 1321+95	Phase 3A	1418	SY
Sta 1317+50 to Sta 1321+17	Phase 4B	1339	SY
Sta 1317+50 to Sta 1321+05	Phase 5	360	SY
	Total	3117	SY

709 0151 GEOSYNTHETIC MATERIAL TYPE R1

Sta 1317+50 to Sta 1321+95	Phase 3A	1732	SY
Sta 1317+50 to Sta 1321+95	Phase 4B	1450	SY
Sta 1317+50 to Sta 1321+05	Phase 5	815	SY
	Total	3998	SY

748 0140 CURB & GUTTER-TYPE 1

Sta 1317+50 to Sta 1321+95	Phase 3A	440	LF
Sta 1317+50 to Sta 1321+95	Phase 4B	504	LF
Sta 1317+50 to Sta 1320+41	Phase 5	589	LF
	Total	1533	LF

Spec Code Description

750 0030 PIGMENTED IMPRINTED CONCRETE

Sta 1317+69 to Sta 1321+11	Phase 4B	173	SY

750 0100 SIDEWALK CONCRETE

Sta 1321+16 to Sta 1321+94	Phase 3A	50	SY
Sta 1317+50 to Sta 1321+95	Phase 4B	356	SY
	Total	406	SY

750 0200 CONCRETE MEDIAN PAVING

Sta 1317+50 to Sta 1320+41	Phase 5	321	SY

750 0210 CONCRETE MEDIAN NOSE PAVING

Sta 1320+41 to Sta 1320+46	Phase 5	3	SY

750 1000 DRIVEWAY CONCRETE

Sta 1317+50 to Sta 1320+19	Phase 4B	151	SY

750 2115 DETECTABLE WARNING PANELS

Sta 1321+18 to Sta 1321+92	Phase 3A	39	SF
Sta 1321+11 to Sta 1321+93	Phase 4B	41	SF
	Total	80	SF

Doweled Joint

Tied Joint - See Detail

Keyed Joint

Commercial Grade Hot Mix Asphalt

Pigmented Imprinted Concrete

Concrete Median Paving

Reinforced Panel

See detailed layouts for joint spacing

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Paving Layout

All Phases

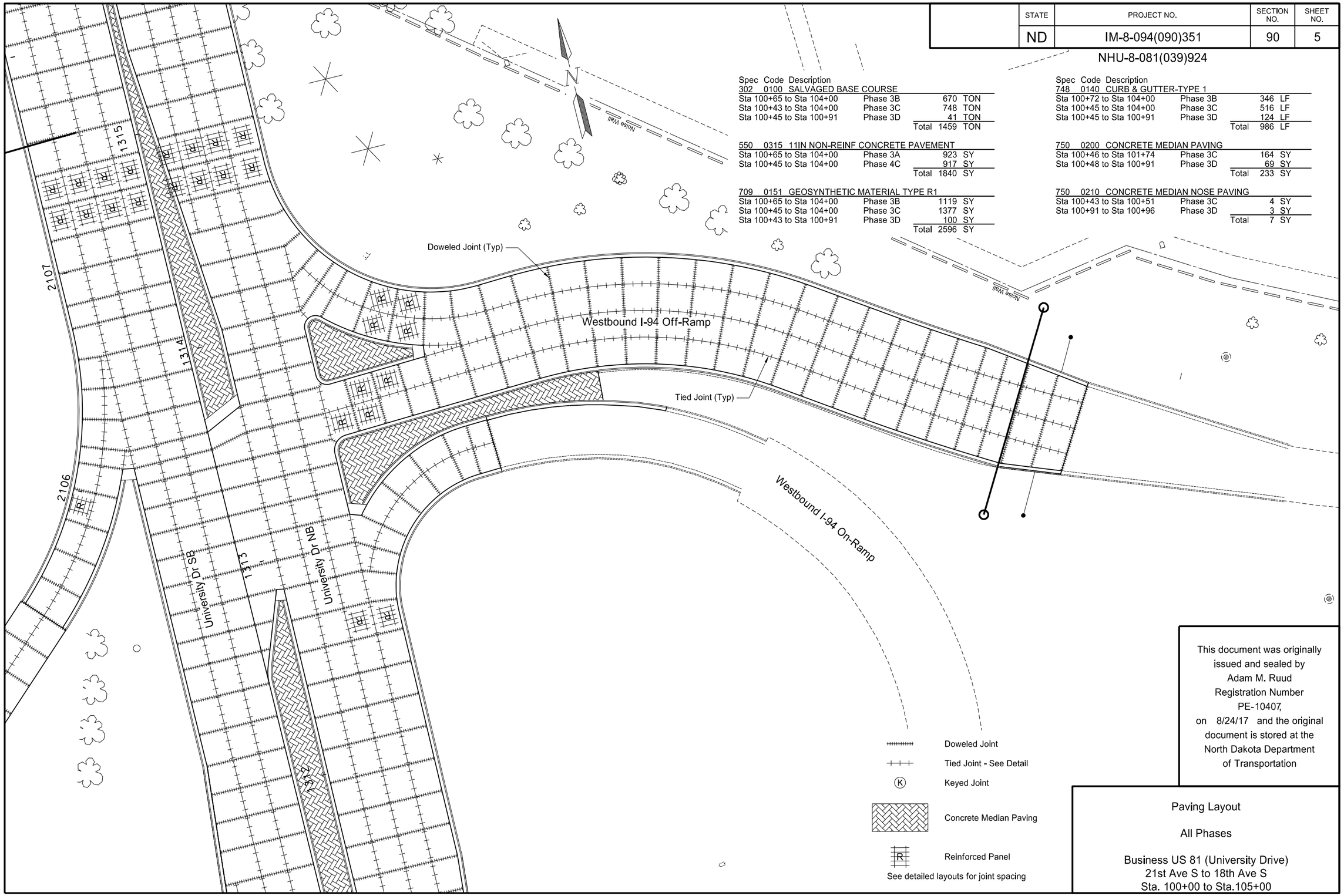
Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1317+50 to Sta.1321+05

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	5

NHU-8-081(039)924

Spec	Code	Description			
302	0100	SALVAGED BASE COURSE			
Sta 100+65 to Sta 104+00		Phase 3B	670	TON	
Sta 100+43 to Sta 104+00		Phase 3C	748	TON	
Sta 100+45 to Sta 100+91		Phase 3D	41	TON	
			Total 1459	TON	
550	0315	11IN NON-REINF CONCRETE PAVEMENT			
Sta 100+65 to Sta 104+00		Phase 3A	923	SY	
Sta 100+45 to Sta 104+00		Phase 4C	917	SY	
			Total 1840	SY	
709	0151	GEOSYNTHETIC MATERIAL TYPE R1			
Sta 100+65 to Sta 104+00		Phase 3B	1119	SY	
Sta 100+45 to Sta 104+00		Phase 3C	1377	SY	
Sta 100+43 to Sta 100+91		Phase 3D	100	SY	
			Total 2596	SY	

Spec	Code	Description			
748	0140	CURB & GUTTER-TYPE 1			
Sta 100+72 to Sta 104+00		Phase 3B	346	LF	
Sta 100+45 to Sta 104+00		Phase 3C	516	LF	
Sta 100+45 to Sta 100+91		Phase 3D	124	LF	
			Total 986	LF	
750	0200	CONCRETE MEDIAN PAVING			
Sta 100+46 to Sta 101+74		Phase 3C	164	SY	
Sta 100+48 to Sta 100+91		Phase 3D	69	SY	
			Total 233	SY	
750	0210	CONCRETE MEDIAN NOSE PAVING			
Sta 100+43 to Sta 100+51		Phase 3C	4	SY	
Sta 100+91 to Sta 100+96		Phase 3D	3	SY	
			Total 7	SY	



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Paving Layout

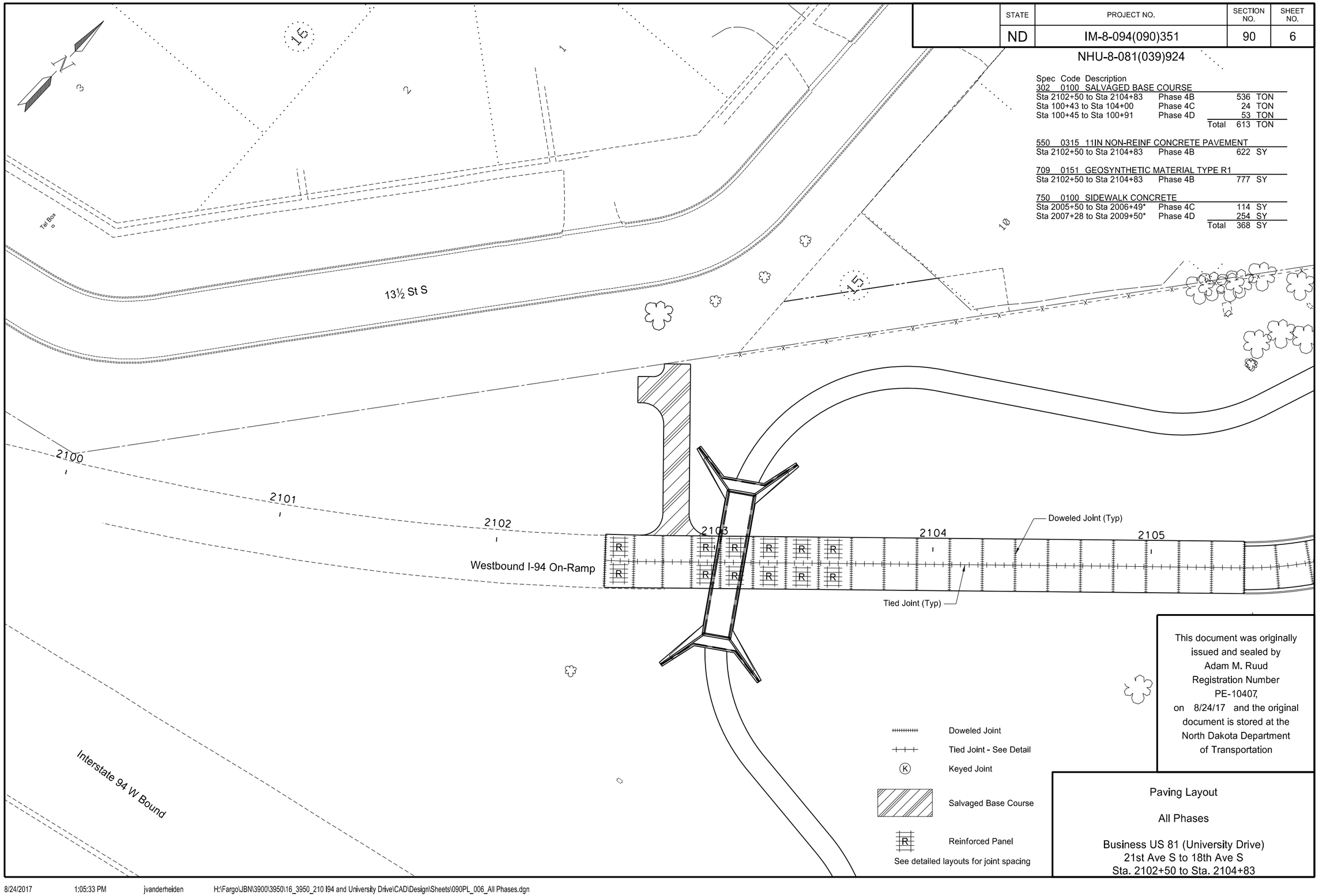
All Phases

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 100+00 to Sta.105+00

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	6

NHU-8-081(039)924

Spec	Code	Description			
302	0100	SALVAGED BASE COURSE			
Sta 2102+50 to Sta 2104+83		Phase 4B	536	TON	
Sta 100+43 to Sta 104+00		Phase 4C	24	TON	
Sta 100+45 to Sta 100+91		Phase 4D	53	TON	
			Total 613	TON	
550	0315	11IN NON-REINF CONCRETE PAVEMENT			
Sta 2102+50 to Sta 2104+83		Phase 4B	622	SY	
709	0151	GEOSYNTHETIC MATERIAL TYPE R1			
Sta 2102+50 to Sta 2104+83		Phase 4B	777	SY	
750	0100	SIDEWALK CONCRETE			
Sta 2005+50 to Sta 2006+49*		Phase 4C	114	SY	
Sta 2007+28 to Sta 2009+50*		Phase 4D	254	SY	
			Total 368	SY	



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Paving Layout

All Phases

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 2102+50 to Sta. 2104+83

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	7

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Interstate 94 E Bound

Interstate 94 W Bound

University Dr SB

University Dr NB

1307 1308 1309 1310 1311 1312

12' Typ.

12' Typ.

12' Typ.

3 @ 13.2'

Tied Joint (Typ)

Doweled Joint (Typ)

15' Typ.

R

Doweled Joint

Tied Joint - See Detail

K Keyed Joint

R Reinforced Panel

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Paving Layout

Phase 3A

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1310+05 to Sta.1312+00

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	90	8

NHU-8-081(039)924

N

Westbound I-94 On-Ramp

2105

2106

2107

2108

9

8

7

6

G Mtr

University Dr SB

1312

1313

1314

1315

1316

1317

12.6'

12' Typ.

12' Typ.

12' Typ.

13.2'

14.6'

R

R

9.2'

15' Typ.

15' Typ.

10'

9.6'

12' Typ.

10.5' Typ.

Westbound I-94 On-Ramp

100

101

12'

12'

Varies

10.5'

8.1'

15' Typ.

11.6'

11' Typ.

11' Typ.

R

R

R

R

University Dr NB

Doweled Joint (Typ)

Tied Joint (Typ)

7.9'

15.7'

Varies

Westbound I-94 Off-Ramp

Doweled Joint

Tied Joint - See Detail

Keyed Joint

Reinforced Panel

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Paving Layout

Phase 3A

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1312+00 to Sta.1317+50

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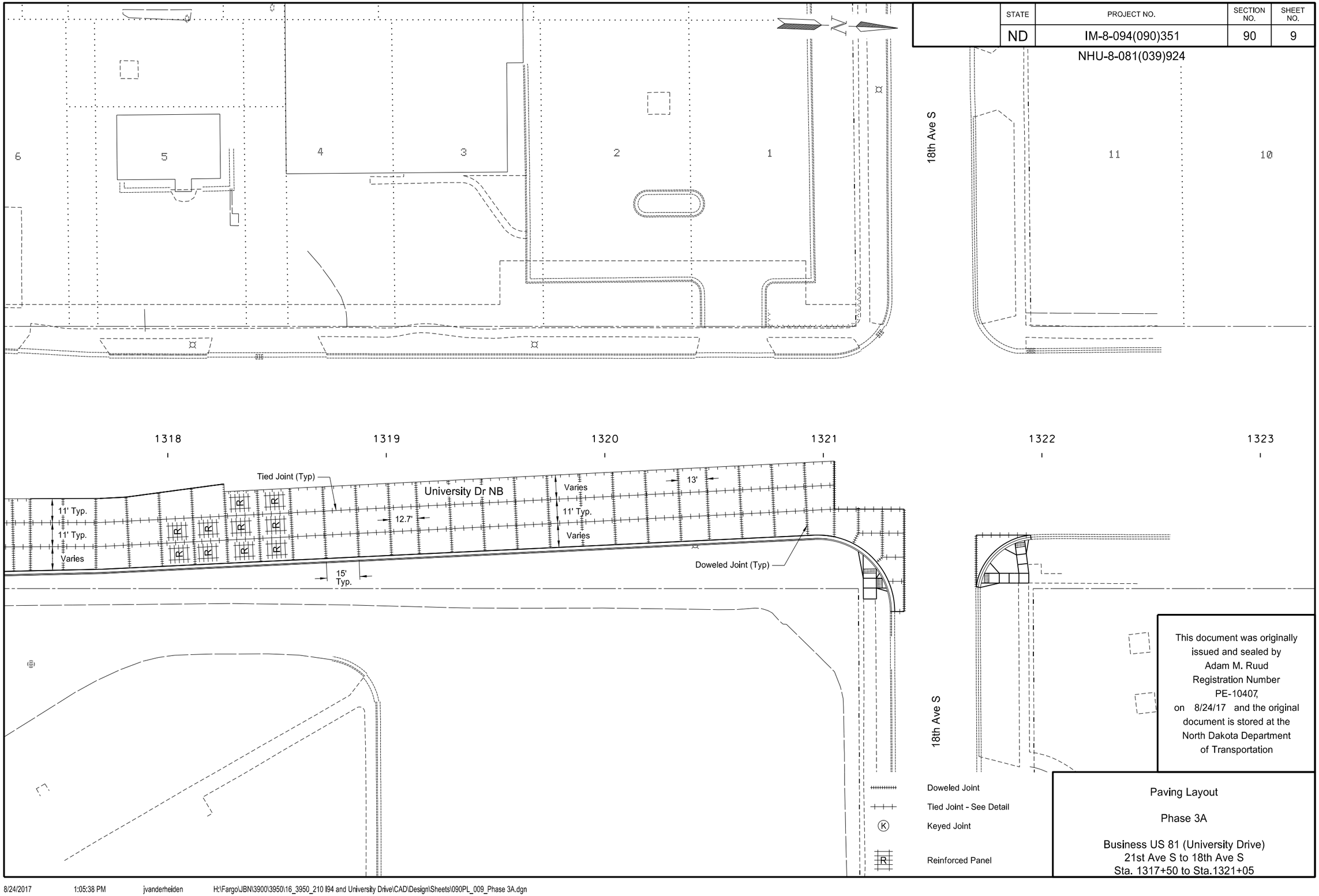
		NHU-8-081(039)924		



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Paving Layout

Phase 3A

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1317+50 to Sta.1321+05

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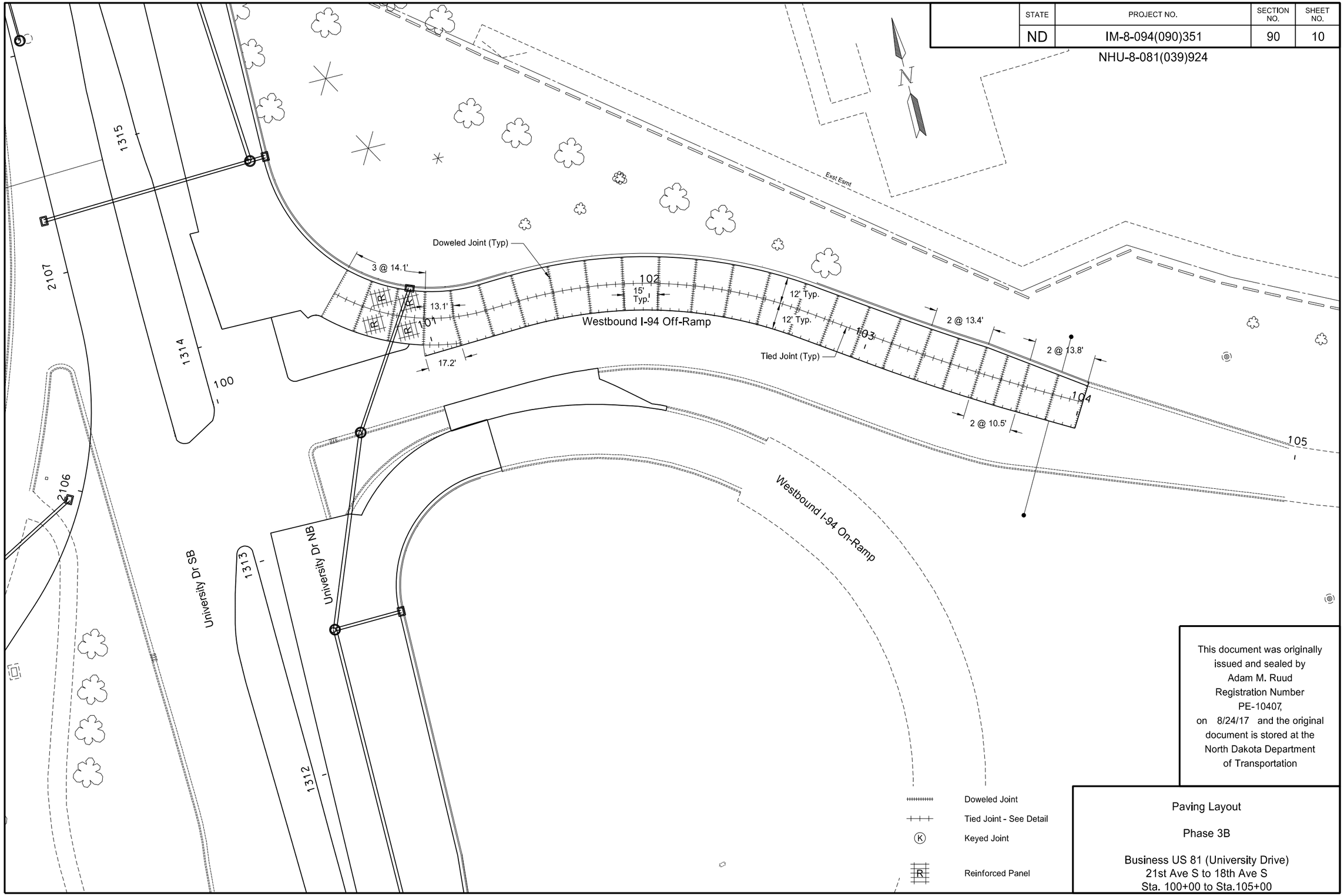
	ND	IM-8-094(090)351	90	10

NHU-8-081(039)924



Doweled Joint

Tied Joint - See Detail

Keyed Joint

Reinforced Panel

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Paving Layout

Phase 3B

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 100+00 to Sta.105+00

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	11
		NHU-8-081(039)924		

Westbound I-94 On-Ramp

2105

2106

2107

2108

1312

1313

1314

1315

1316

1317

G Mtr

9

8

7

6

2 @ 11.9'

2 @ 12'

100

12' Typ.

11'

12' Typ.

12' Typ.

Doweled Joint (Typ)

University Dr NB

R

101

Tied Joint (Typ)

Westbound I-94 Off-Ramp

Westbound I-94 On-Ramp

Doweled Joint

Tied Joint - See Detail

Keyed Joint

Concrete Median Paving

Reinforced Panel

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Paving Layout

Phase 3C

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1313+11 to Sta.1313+70

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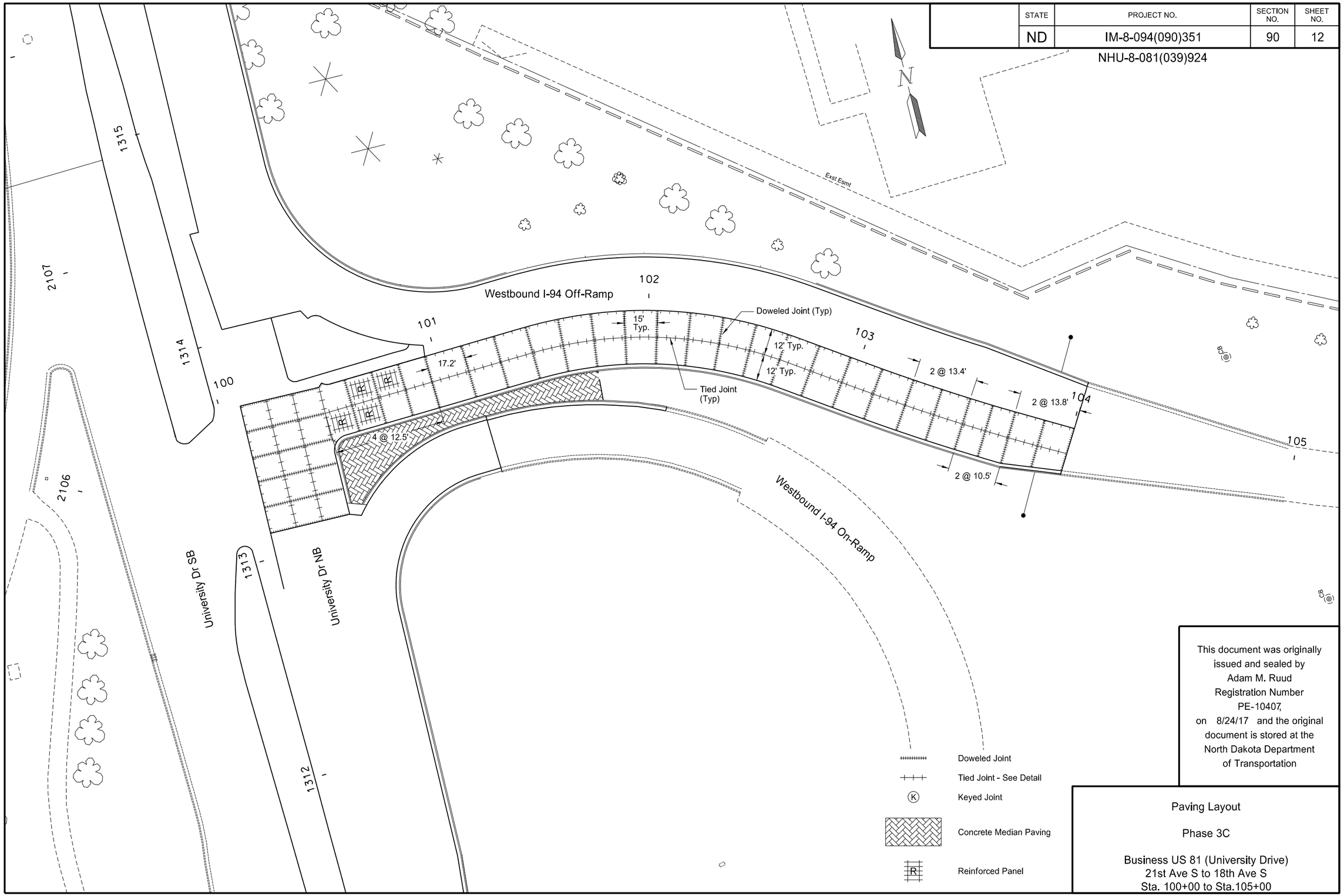
	ND	IM-8-094(090)351	90	12

NHU-8-081(039)924



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Paving Layout

Phase 3C

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 100+00 to Sta.105+00

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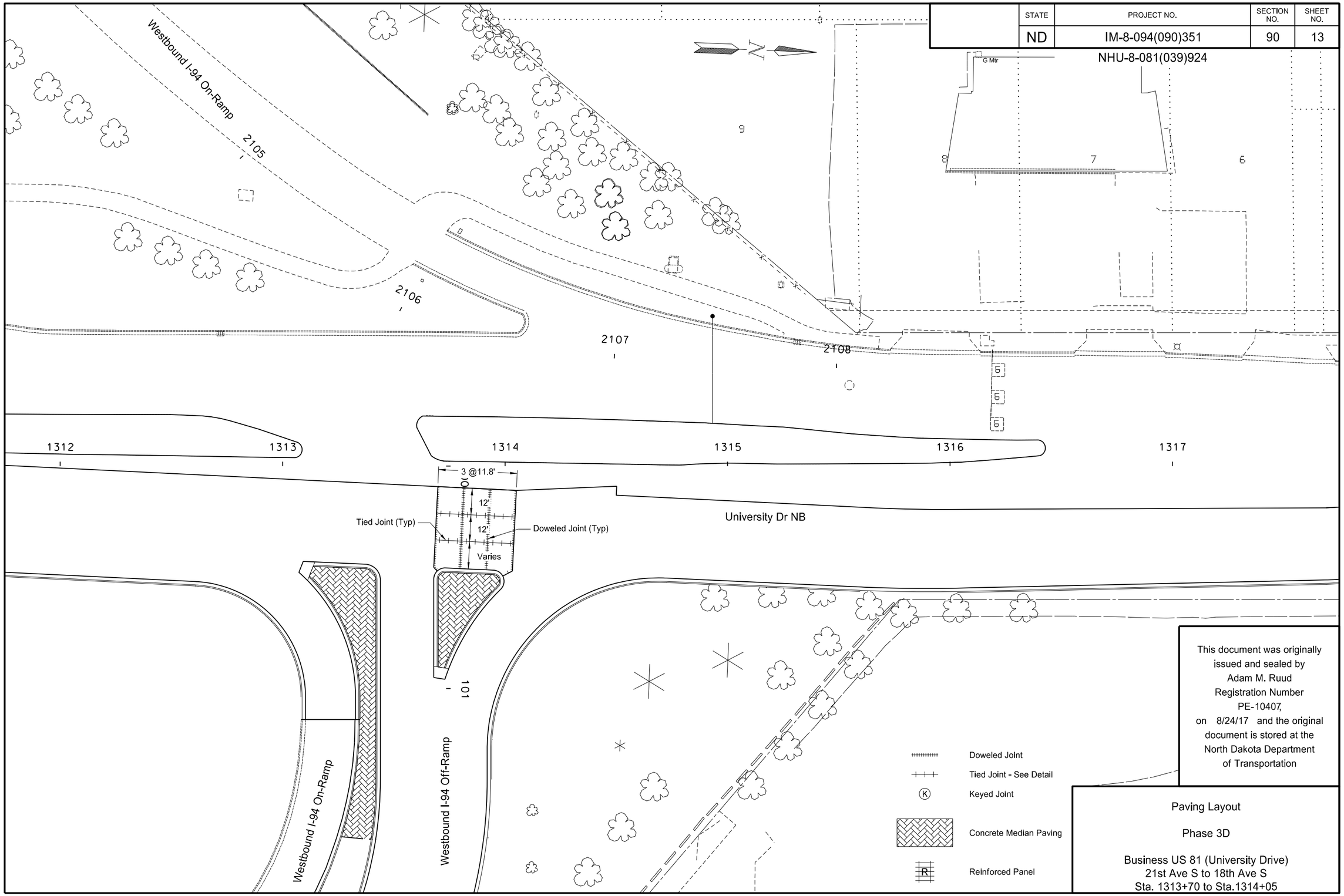
		NHU-8-081(039)924		



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Paving Layout

Phase 3D

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1313+70 to Sta.1314+05

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	14

NHU-8-081(039)924

Interstate 94 E Bound

Interstate 94 W Bound

University Dr SB

University Dr NB

3 @ 13'

15' Typ.

Tied Joint (Typ)

12.51' R

12' Typ.

12' Typ.

12' Typ.

Doweled Joint (Typ)

1307 1308 1309 1310 1311 1312

Doweled Joint

Tied Joint - See Detail

Keyed Joint

Reinforced Panel

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Paving Layout

Phase 4A

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1310+05 to Sta.1311+50

8/24/2017 1:05:47 PM jvanderheiden H:\Fargo\JBN\3900\3950\16_3950_210 I94 and University Drive\CAD\Design\Sheets\090PL_014_Phase 4A.dgn

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	15
		NHU-8-081(039)924		

Westbound I-94 On-Ramp

2105

2106

2107

2108

University Dr SB

1312

1313

1314

1315

1316

1317

100

101

University Dr NB

Westbound I-94 On-Ramp

Westbound I-94 Off-Ramp

G Mtr

10.5'

12'

15' Typ.

3 @ 11.8'

2 @ 12'

13.2'

11.3'

8.4'

11' Typ.

Tied Joint (Typ)

Doweled Joint (Typ)

Doweled Joint

Tied Joint - See Detail

Keyed Joint

Commercial Grade Hot Mix Asphalt

Pigmented Imprinted Concrete

Concrete Median Paving

Reinforced Panel

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Paving Layout

Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1314+24 to Sta.1317+50

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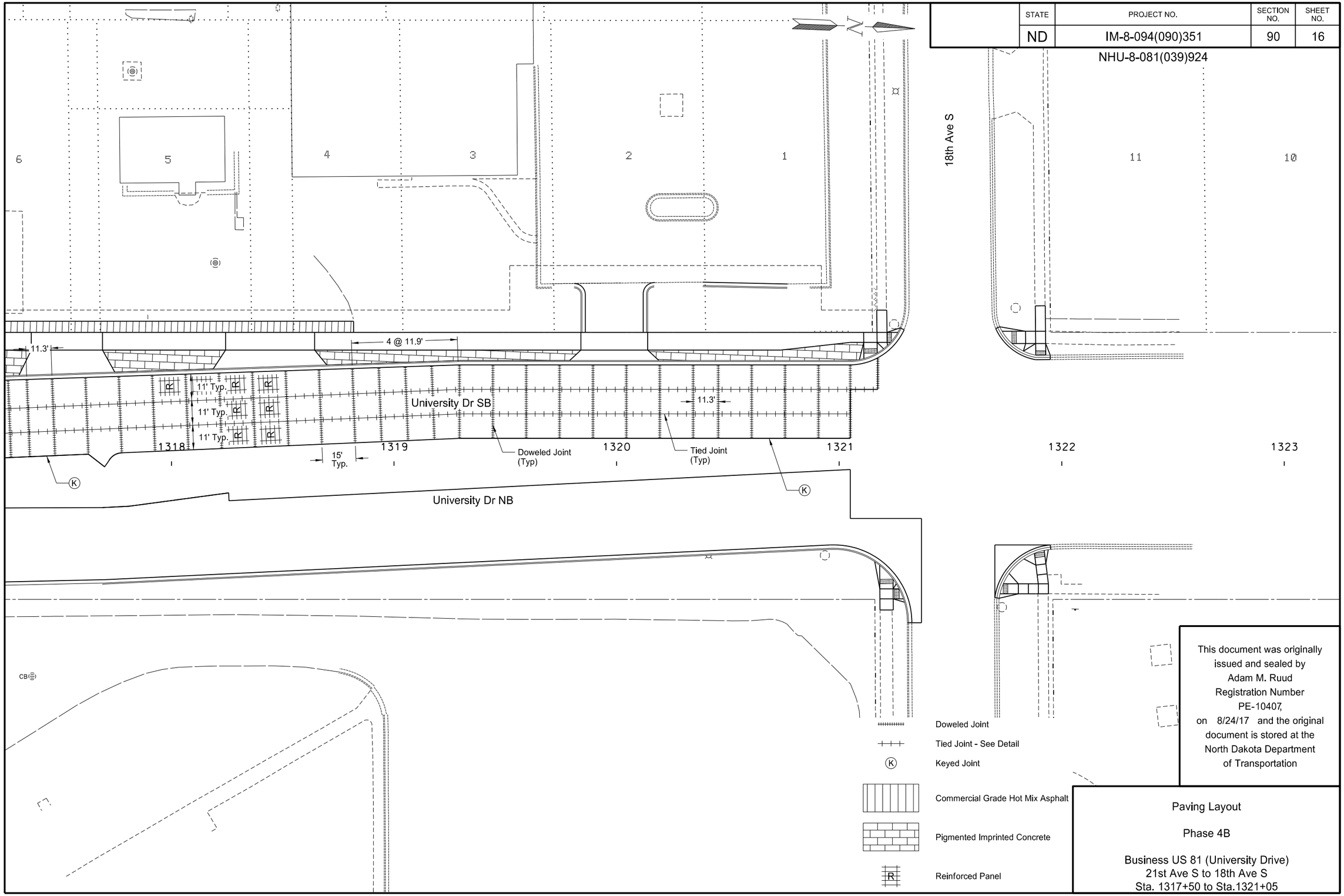
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	16
		NHU-8-081(039)924		



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Paving Layout

Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1317+50 to Sta.1321+05

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	17
		NHU-8-081(039)924		

Bohnsack's 3rd Addit

13½ St S

Tel Box

Westbound I-94 On-Ramp

Interstate 94 W Bound

2100 2101 2102 2103 2104 2105

4 @ 13.2'

Doweled Joint (Typ)

Tied Joint (Typ)

12' Typ.

12' Typ.

15' Typ.

Doweled Joint

Tied Joint - See Detail

Keyed Joint

Salvaged Base Course

Reinforced Panel

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Paving Layout

Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 2102+50 to Sta. 2104+83

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	90	18

NHU-8-081(039)924

Interstate 94 E Bound

Interstate 94 W Bound

University Dr SB

University Dr NB

1307 1308 1309 1310 1311 1312

15' Typ.

3 @ 13'

12'

12' Typ.

12' Typ.

Tied Joint (Typ)

Doweled Joint (Typ)

Doweled Joint

Tied Joint - See Detail

Keyed Joint

Reinforced Panel

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Paving Layout

Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1311+50 to Sta.1312+00

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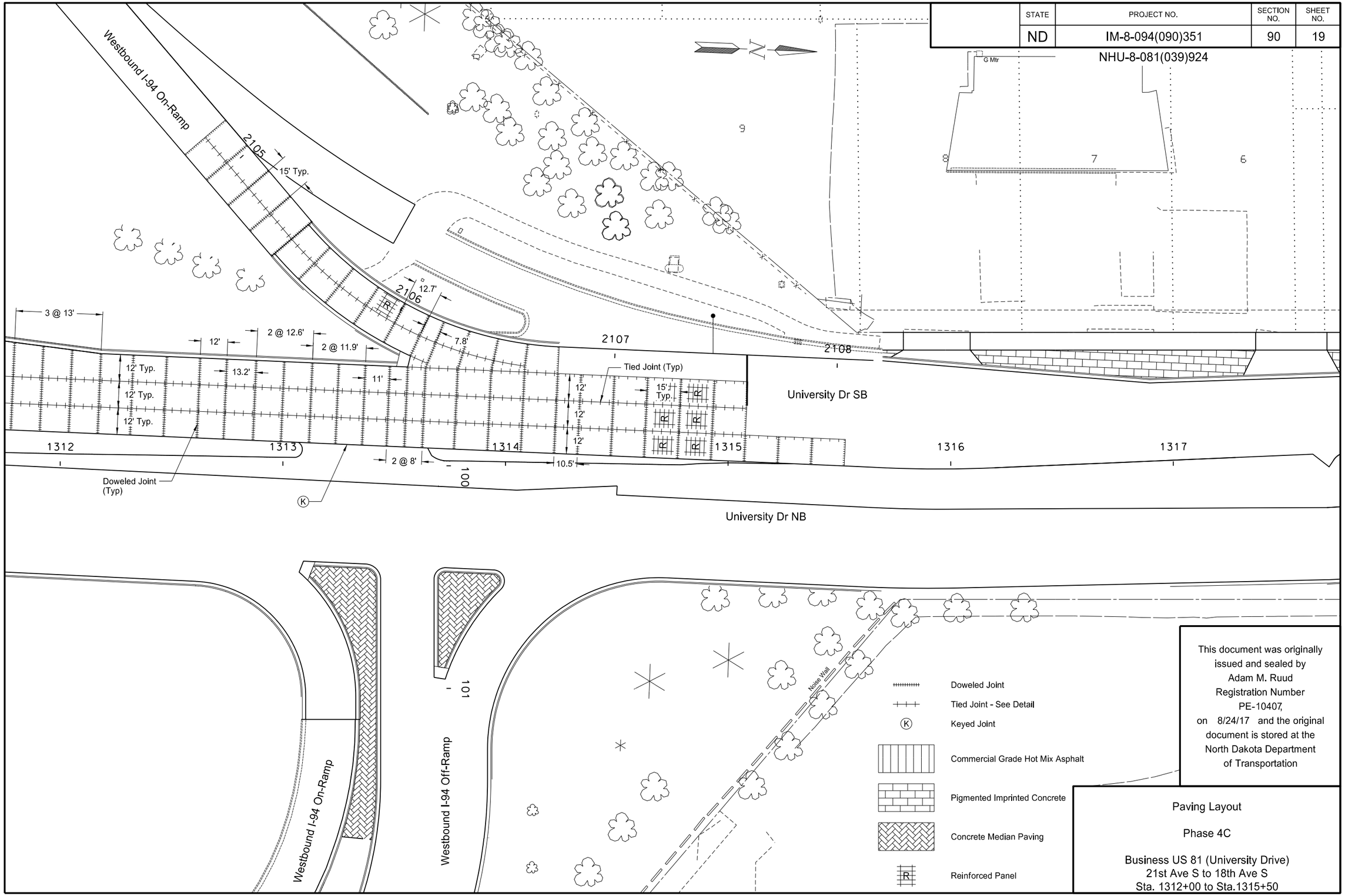
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	19
		NHU-8-081(039)924		



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Paving Layout

Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1312+00 to Sta.1315+50

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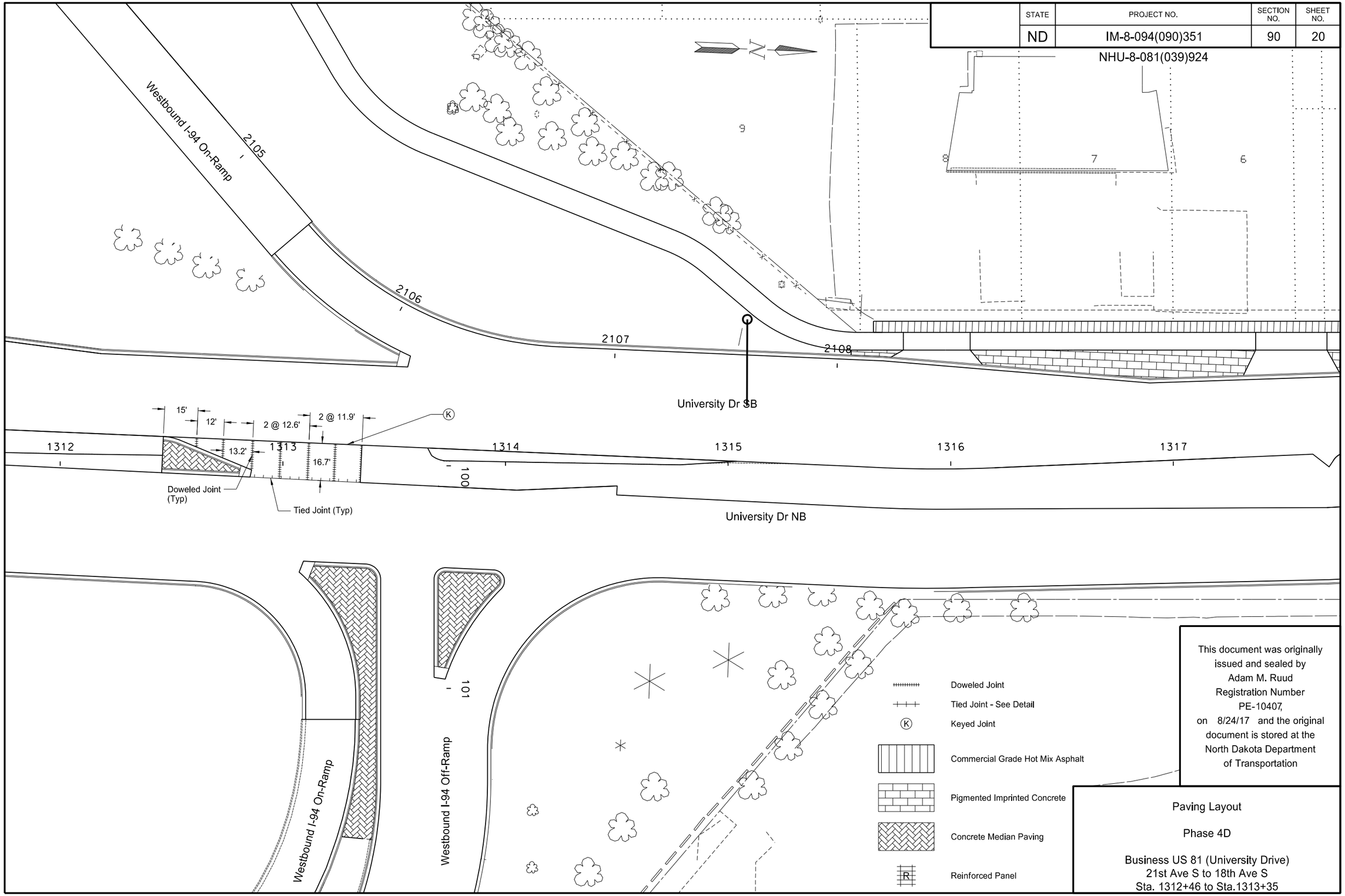
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	90	20

NHU-8-081(039)924



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Paving Layout

Phase 4D

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1312+46 to Sta.1313+35

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	21

NHU-8-081(039)924

G Mtr

Westbound I-94 On-Ramp

2105

2106

2107

2108

University Dr SB

1312 1313 1314 1315 1316 1317

K

11'

2 @ 8'

16.8'

2 @ 12'

@04

R

15' Typ.

11.6'

Tied Joint (Typ)

Varies

Doweled Joint (Typ)

11'

8.2'

15.7'

University Dr NB

Westbound I-94 On-Ramp

Westbound I-94 Off-Ramp

101

Doweled Joint

Tied Joint - See Detail

Keyed Joint

Commercial Grade Hot Mix Asphalt

Pigmented Imprinted Concrete

Concrete Median Paving

Reinforced Panel

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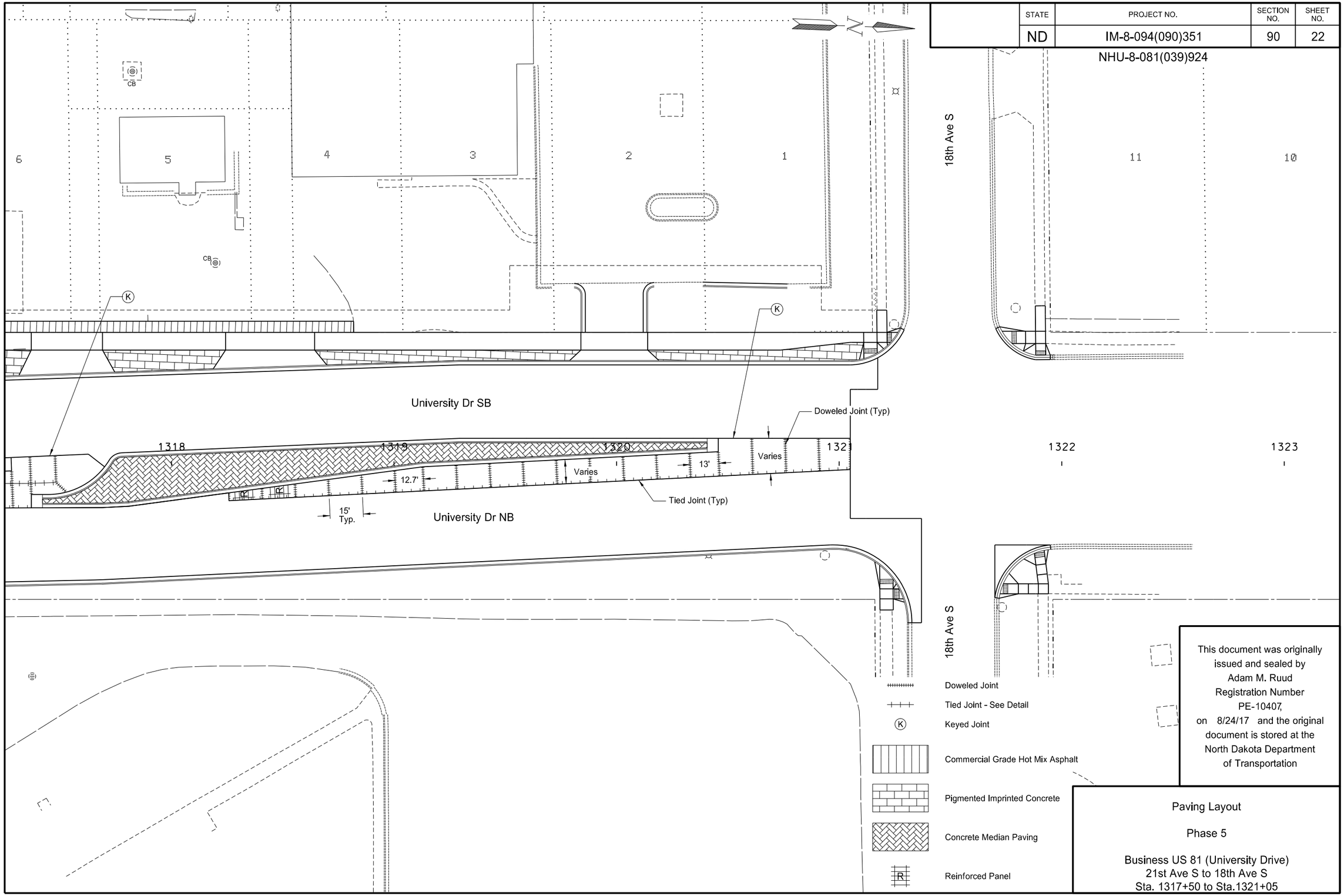
Paving Layout

Phase 5

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1313+35 to Sta.1317+50

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	22
		NHU-8-081(039)924		



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Paving Layout

Phase 5

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1317+50 to Sta.1321+05

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	90	23
		NHU-8-081(039)924		

st Addition

21st Ave S

Eastbound I-94 Off-Ramp

Eastbound I-94 On-Ramp

University Dr SB

1301 1302 2500 1303 1304 1305 1306

University Dr NB

3 @ 11.7' 2 @ 14.25' 3 @ 15.6' 15' Typ. 11.2' 13.8' 3 @ 13.6'

12.7' 12.7' 11.85' 11.85' 13.5' 3 @ 10.9'

2501 21st Ave S

Doweled Joint (Typ)

15' Typ. 3 @ 13.4' 13.5' Typ. 13.5' Typ.

R R 19' Tied Joint (Typ) 15' Typ. 10' Typ. 10' Typ.

Eastbound I-94 On-Ramp

dition

Doweled Joint

Tied Joint - See Detail

Keyed Joint

Concrete Median Paving

Reinforced Panel

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Paving Layout

Phase 6B

Business US 81 (University Drive)
21st Ave S to 18th Ave S
Sta. 1301+80 to Sta.1305+50

8/24/2017 1:06:06 PM jvanderheiden H:\Fargo\JBN\3900\3950\16_3950_210 I94 and University Drive\CAD\Design\Sheets\090PL_023_Phase 6B.dgn

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	1

PROJECT NO.
NHU-8-081(039)924

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED BY PHASE NO. 1A	1B	2	3A	3B	TOTAL AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
D3-36	36"x6"	STREET NAME SIGN (Sign and installation only)							6	
E5-1-48	**60"x60"**	**EXIT GORE**	**1**	**1**		**1**	**2**	**2**	**43**	**86**
G20-1-60	60"x24"	ROAD WORK NEXT __ MILES							34	
G20-1b-60	60"x24"	WORK IN PROGRESS/ NO WORK IN PROGRESS (Sign and installation only)							26	
G20-2-48	**48"x24"**	**END ROAD WORK**	**3**	**3**	**3**	**3**	**3**	**3**	**19**	**57**
G20-4-36	36"x18"	PILOT CAR FOLLOW ME (Mounted to back of pilot car)							18	
G20-10-108	108"x48"	CONTRACTOR SIGN							64	
G20-50a-72	72"x36"	ROAD WORK NEXT __ MILES RT & LT ARROWS							37	
G20-52a-72	72"x24"	ROAD WORK NEXT __ MILES RT or LT ARROW							30	
G20-55-96	96"x48"	SPEED LIMIT ENFORCED - MINIMUM FEE $80 WHEN WORKERS PRESENT							59	
M1-1-36	**36"x36"**	**INTERSTATE ROUTE MARKER (Post and installation only)**	**1**	**1**		**2**	**1**	**2**	**10**	**20**
M1-4-24	24"x24"	U.S. ROUTE MARKER (Post and installation only)							10	
M1-5-24	24"x24"	STATE ROUTE MARKER (Post and installation only)							10	
M3-1-24	**24"x12"**	**NORTH (Mounted on route marker post)**				**5**	**5**	**5**	**7**	**35**
M3-2-24	**24"x12"**	**EAST (Mounted on route marker post)**				**7**	**7**	**7**	**7**	**49**
M3-3-24	24"x12"	SOUTH (Mounted on route marker post)							7	
M3-4-24	**24"x12"**	**WEST (Mounted on route marker post)**	**1**	**1**		**8**		**8**	**7**	**56**
M4-5-24	**24"x12"**	**TO SIGN**				**5**	**5**	**5**	**7**	**35**
M4-8-24	**24"x12"**	**DETOUR (Mounted on route marker post)**				**18**	**11**	**18**	**7**	**126**
M4-9-30	30"x24"	DETOUR ARROW RIGHT or LEFT/AHD AND RT or LT							15	
M4-10-48	**48"x18"**	**DETOUR ARROW RIGHT or LEFT**				**1**	**1**	**1**	**23**	**23**
M5-1-21	**21"x15"**	**ARROW AHD AND RT or LT(Mounted on route marker post)**				**6**	**3**	**6**	**7**	**42**
M5-2-21	21"x15"	ARROW AHD UP & RT or LT (Mounted on route marker post)							7	
M6-1-21	**21"x15"**	**ARROW RT or LT (Mounted on route marker post)**				**12**	**8**	**12**	**7**	**84**
M6-2-21	**21"x15"**	**ARROW UP & RT or LT (Mounted on route marker post)**	**1**	**1**		**1**	**1**	**1**	**7**	**7**
M6-3-21	**21"x15"**	**ARROW AHD (Mounted on route marker post)**				**1**		**1**	**7**	**7**
R1-1-48	48"x48"	STOP							32	
R1-1a-18	**18"x18"**	**STOP and SLOW PADDLE Back to Back**	**2**	**2**	**2**	**2**	**2**	**2**	**5**	**10**
R1-2-60	**60"x60"**	**YIELD**	**1**	**1**	**2**		**1**	**2**	**29**	**58**
R2-1-48	**48"x60"**	**SPEED LIMIT __**	**5**	**5**	**8**	**10**	**8**	**10**	**39**	**390**
R2-1a-24	24"x18"	MINIMUM FEE $80 (Mounted on Speed Limit post)							10	
R3-2-24	**24"x24"**	**NO LEFT TURN**			**4**	**6**	**6**	**6**	**11**	**66**
R3-2-36	**36"x36"**	**NO LEFT TURN**				**6**	**1**	**6**	**20**	**120**
R3-5R-24	**30"x24"**	**RIGHT ONLY**			**4**	**6**	**6**	**6**	**15**	**90**
R3-7-48	**48"x48"**	**LEFT or RIGHT LANE MUST TURN LEFT or RIGHT**				**2**	**2**	**2**	**35**	**70**
R4-1-48	48"x60"	DO NOT PASS							39	
R4-7-48	48"x60"	KEEP RIGHT SYMBOL							39	
R5-1-48	**48"x48"**	**DO NOT ENTER**			**1**	**1**	**1**	**1**	**35**	**35**
R6-1-36	36"x12"	ONE WAY RIGHT or LEFT							13	
R7-1-12	12"x18"	NO PARKING							11	
R9-9-24	24"x12"	SIDEWALK CLOSED							7	
R10-6-24	**24"x36"**	**STOP HERE ON RED**				**3**	**4**	**4**	**16**	**64**
R11-2-48	**48"x30"**	**ROAD CLOSED**				**1**	**1**	**1**	**28**	**28**
R11-2a-48	48"x30"	STREET CLOSED							28	
R11-3a-60	60"x30"	ROAD CLOSED __ MILES AHEAD LOCAL TRAFFIC ONLY							31	
R11-3c-60	60"x30"	STREET CLOSED __ MILES AHEAD LOCAL TRAFFIC ONLY							31	
R11-4a-60	60"x30"	STREET CLOSED TO THRU TRAFFIC							31	
W1-3-48	48"x48"	RIGHT or LEFT SHARP REVERSE CURVE ARROW							35	
W1-4-48	48"x48"	RIGHT or LEFT REVERSE CURVE ARROW							35	
W1-4b-48	**48"x48"**	**DOUBLE RIGHT or LEFT REVERSE CURVE ARROW**				**8**	**8**	**8**	**35**	**280**
W1-6-48	**48"x24"**	**LARGE ARROW**				**1**		**1**	**26**	**26**
W3-1-48	48"x48"	STOP AHEAD SYMBOL							35	
W3-3-48	48"x48"	SIGNAL AHEAD SYMBOL							35	
W3-4-48	48"x48"	BE PREPARED TO STOP							35	
W3-5-48	**48"x48"**	**SPEED REDUCTION AHEAD**	**2**	**2**	**3**	**5**	**3**	**5**	**35**	**175**
W4-2-48	**48"x48"**	**RIGHT or LEFT LANE TRANSITION SYMBOL**	**2**	**2**	**3**			**3**	**35**	**105**
W5-1-48	48"x48"	ROAD NARROWS							35	
W5-8-48	48"x48"	THRU TRAFFIC RIGHT LANE							35	
W5-9-48	48"x48"	ROAD WORK TRAFFIC ONLY DOWN & LT or RT ARROW							35	
W6-3-48	48"x48"	TWO WAY TRAFFIC SYMBOL							35	
W8-1-48	48"x48"	BUMP							35	
W8-3-48	48"x48"	PAVEMENT ENDS							35	
W8-7-48	48"x48"	LOOSE GRAVEL							35	
W8-9a-48	48"x48"	SHOULDER DROP-OFF							35	
W8-11-48	48"x48"	UNEVEN LANES							35	
W8-12-48	48"x48"	NO CENTER STRIPE							35	
W8-53-48	48"x48"	TRUCKS ENTERING HIGHWAY							35	
W8-54-48	48"x48"	TRUCKS ENTERING AHEAD or __ FT.							35	
W8-55-48	48"x48"	TRUCKS CROSSING AHEAD or __ FT.							35	
W8-56-48	48"x48"	TRUCKS EXITING HIGHWAY							35	
W9-3a-48	48"x48"	CENTER LANE CLOSED SYMBOL							35	
W12-1-36	**36"x36"**	**CROSSING DOUBLE ARROW**		**1**				**1**	**23**	**23**
W12-2-48	48"x48"	LOW CLEARANCE SYMBOL							35	
W13-1-24	**24"x24"**	**__ MPH ADVISORY SPEED PLATE (Mounted on warning sign post)**				**2**	**3**	**3**	**11**	**33**
W13-4-48	48"x60"	RAMP ARROW							39	
W14-3-48	48"x36"	NO PASSING ZONE							23	
W16-9P-24	24"x12"	AHEAD							7	
W20-1-48	**48"x48"**	**ROAD WORK AHEAD or _FT or _ MILE**	**4**	**4**	**5**	**7**	**5**	**7**	**35**	**245**
W20-2-48	**48"x48"**	**DETOUR AHEAD or __ FT**				**1**	**1**	**1**	**35**	**35**
W20-3-48	**48"x48"**	**ROAD or STREET CLOSED AHEAD or __ FT.**				**1**	**1**	**1**	**35**	**35**
W20-4-48	48"x48"	ONE LANE ROAD AHEAD or __ FT.							35	
W20-5-48	**48"x48"**	**RIGHT or LEFT LANE CLOSED AHEAD or __ FT.**	**2**	**2**	**3**			**3**	**35**	**105**

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED BY PHASE NO. 1A	1B	2	3A	3B	TOTAL AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
W20-7a-48	**48"x48"**	**FLAGGING SYMBOL**	**2**	**2**	**2**	**2**	**2**	**2**	**35**	**70**
W20-7k-24	24"x18"	__ FEET (Mounted on warning sign post)							10	
W20-8-48	48"x48"	STREET CLOSED							35	
W20-51-48	48"x48"	EQUIPMENT WORKING							35	
W20-52-54	54"x12"	NEXT __ MILES (Mounted on warning sign post)							12	
W21-1a-48	48"x48"	WORKERS SYMBOL							35	
W21-2-48	48"x48"	FRESH OIL							35	
W21-3-48	48"x48"	ROAD MACHINERY AHEAD or __ FT							35	
W21-5-48	48"x48"	SHOULDER WORK							35	
W21-5a-48	48"x48"	RIGHT or LEFT SHOULDER CLOSED							35	
W21-5b-48	48"x48"	RIGHT or LEFT SHOULDER CLOSED AHEAD or __ FT.							35	
W21-6a-48	48"x48"	SURVEY CREW AHEAD							35	
W21-50-48	48"x48"	BRIDGE PAINTING AHEAD or __ FT.							35	
W21-51-48	48"x48"	MATERIAL ON ROADWAY							35	
W22-8-48	48"x48"	FRESH OIL LOOSE ROCK							35	
	24"x24"	TAKE TURNS (6" D letters) (Mounted on stop sign post)							11	

SPECIAL SIGNS

	30"x24"	**CONSIGN 1**			**1**			**1**	**15**	**15**
	30"x18"	**CONSIGN 2**				**1**	**1**	**1**	**14**	**14**
	24"x12"	**CONSIGN 3**				**13**	**6**	**13**	**7**	**91**
	24"x12"	CONSIGN 4							7	
	36"x42"	**CONSIGN 5**			**1**	**1**	**1**	**1**	**12**	**12**
	30"x12"	**CONSIGN 6**				**5**	**5**	**5**	**7**	**35**
	36"x30"	**CONSIGN 7**	**1**	**1**		**1**	**1**	**1**	**25**	**25**
	54"x30"	CONSIGN 8							29	
	30"x18"	CONSIGN 9							14	

SPEC & CODE

704-1000	**TRAFFIC CONTROL SIGNS**	**TOTAL UNITS**	**2882**

SPEC & CODE	DESCRIPTION	UNIT	QUANTITY BY PHASE NO. 1A	1B	2	3A	3B	TOTAL QUANTITY
704-0100	**FLAGGING**	MHR	**50**	**50**	**50**	**50**	**50**	**250**
704-1037	**ATTENUATION DEVICE-TYPEB-35**	EACH				**1**	**1**	**1**
704-1041	ATTENUATION DEVICE-TYPE B-55	EACH						
704-1043	ATTENUATION DEVICE-TYPE B-65	EACH						
704-1044	ATTENUATION DEVICE-TYPE B-70	EACH						
704-1050	TYPE I BARRICADES	EACH						
704-1051	TYPE II BARRICADES	EACH						
704-1052	**TYPE III BARRICADES**	EACH	**9**	**9**	**22**	**31**	**31**	**31**
704-1060	**DELINEATOR DRUMS**	EACH	**51**	**34**	**62**	**162**	**147**	**162**
704-1065	TRAFFIC CONES	EACH						
704-1067	**TUBULAR MARKERS**	EACH	**36**	**75**	**155**	**92**		**155**
704-1070	DELINEATOR	EACH						
704-1072	**FLEXIBLE DELINEATORS**	EACH				**88**	**25**	**88**
704-1080	**STACKABLE VERTICAL PANELS**	EACH					**30**	**30**
704-1081	VERTICAL PANELS - BACK TO BACK	EACH						
704-1085	SEQUENCING ARROW PANEL - TYPE A	EACH						
704-1086	SEQUENCING ARROW PANEL - TYPE B	EACH						
704-1087	**SEQUENCING ARROW PANEL - TYPE C**	EACH	**1**	**1**	**2**			**2**
704-1088	SEQUENCING ARROW PANEL - TYPE C - CROSSOVER	EACH						
704-1095	TYPE B FLASHERS	EACH						
704-1500	OBLITERATION OF PVMT MK	SF						
704-3501	PORTABLE PRECAST CONCRETE MED BARRIER	LF						
704-3510	PRECAST CONCRETE MED BARRIER - STATE FURNISHED	EACH						
704-4011	**PORTABLE CHANGEABLE MESSAGE SIGN**	EACH	**4**	**4**	**4**	**4**	**4**	**4**
762-0200	RAISED PAVEMENT MARKERS	EACH						
762-0420	SHORT TERM 4IN LINE - TYPE R	LF						
762-0424	SHORT TERM 8IN LINE-TYPE R	LF						
762-0426	SHORT TERM 24IN LINE-TYPE R	LF						
762-0430	SHORT TERM 4IN LINE - TYPE NR	LF						
772-2110	FLASHING BEACON - POST MOUNTED	EACH						

NOTE:
If additional signs are required, units will be calculated using the formula from Section III-19.06 of the Design Manual.
http://www.dot.nd.gov/

This document was originally issued and sealed by Adam Ruud, Registration Number PE-10407, on 10/4/17 and the original document is stored at the North Dakota Department of Transportation.

Traffic Control Devices List

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	2

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED BY PHASE NO. 3C	3D	4A	4B	4C	TOTAL AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
D3-36	36"x6"	STREET NAME SIGN (Sign and installation only)							6	
E5-1-48	**60"x60"**	**EXIT GORE**	2	2	1	1	1	**2**	**43**	**86**
G20-1-60	60"x24"	ROAD WORK NEXT __ MILES							34	
G20-1b-60	60"x24"	WORK IN PROGRESS/ NO WORK IN PROGRESS (Sign and installation only)							26	
G20-2-48	**48"x24"**	**END ROAD WORK**	3	3	4	4	4	**4**	**19**	**76**
G20-4-36	36"x18"	PILOT CAR FOLLOW ME (Mounted to back of pilot car)							18	
G20-10-108	108"x48"	CONTRACTOR SIGN							64	
G20-50a-72	72"x36"	ROAD WORK NEXT __ MILES RT & LT ARROWS							37	
G20-52a-72	72"x24"	ROAD WORK NEXT __ MILES RT or LT ARROW							30	
G20-55-96	96"x48"	SPEED LIMIT ENFORCED - MINIMUM FEE $80 WHEN WORKERS PRESENT							59	
M1-1-36	**36"x36"**	**INTERSTATE ROUTE MARKER (Post and installation only)**	1	2	2			**2**	**10**	**20**
M1-4-24	24"x24"	U.S. ROUTE MARKER (Post and installation only)							10	
M1-5-24	24"x24"	STATE ROUTE MARKER (Post and installation only)							10	
M3-1-24	**24"x12"**	**NORTH (Mounted on route marker post)**	15	5				**15**	**7**	**105**
M3-2-24	**24"x12"**	**EAST (Mounted on route marker post)**	7	7	6	6	6	**7**	**7**	**49**
M3-3-24	**24"x12"**	**SOUTH (Mounted on route marker post)**	10		2			**10**	**7**	**70**
M3-4-24	**24"x12"**	**WEST (Mounted on route marker post)**			2	7	7	**7**	**7**	**49**
M4-5-24	**24"x12"**	**TO SIGN**	25	5				**25**	**7**	**175**
M4-8-24	**24"x12"**	**DETOUR (Mounted on route marker post)**	31	11	6	13	13	**31**	**7**	**217**
M4-9-30	**30"x24"**	**DETOUR ARROW RIGHT or LEFT/AHD AND RT or LT**			14	14	14	**14**	**15**	**210**
M4-10-48	**48"x18"**	**DETOUR ARROW RIGHT or LEFT**	1	1	2	3	3	**3**	**23**	**69**
M5-1-21	**21"x15"**	**ARROW AHD AND RT or LT(Mounted on route marker post)**	9	3	3	6	6	**9**	**7**	**63**
M5-2-21	21"x15"	ARROW AHD UP & RT or LT (Mounted on route marker post)							7	
M6-1-21	**21"x15"**	**ARROW RT or LT (Mounted on route marker post)**	14	8	3	6	6	**14**	**7**	**98**
M6-2-21	**21"x15"**	**ARROW UP & RT or LT (Mounted on route marker post)**	5	1	4			**5**	**7**	**35**
M6-3-21	**21"x15"**	**ARROW AHD (Mounted on route marker post)**	4			1	1	**4**	**7**	**28**
R1-1-48	**48"x48"**	**STOP**				1	1	**1**	**32**	**32**
R1-1a-18	**18"x18"**	**STOP and SLOW PADDLE Back to Back**	2	2	2	2	2	**2**	**5**	**10**
R1-2-60	60"x60"	YIELD							29	
R2-1-48	**48"x60"**	**SPEED LIMIT __**	8	8	8	10	8	**10**	**39**	**390**
R2-1a-24	24"x18"	MINIMUM FEE $80 (Mounted on Speed Limit post)							10	
R3-2-24	**24"x24"**	**NO LEFT TURN**	6	6	4	2	2	**6**	**11**	**66**
R3-2-36	**36"x36"**	**NO LEFT TURN**	1	1	1	5	4	**5**	**20**	**100**
R3-5R-24	**30"x24"**	**RIGHT ONLY**	6	6	4	2	2	**6**	**15**	**90**
R3-7-48	**48"x48"**	**LEFT or RIGHT LANE MUST TURN LEFT or RIGHT**	2	2	1			**2**	**35**	**70**
R4-1-48	48"x60"	DO NOT PASS							39	
R4-7-48	48"x60"	KEEP RIGHT SYMBOL							39	
R5-1-48	**48"x48"**	**DO NOT ENTER**	1	1				**1**	**35**	**35**
R6-1-36	36"x12"	ONE WAY RIGHT or LEFT							13	
R7-1-12	12"x18"	NO PARKING							11	
R9-9-24	**24"x12"**	**SIDEWALK CLOSED**			7	7	7	**7**	**7**	**49**
R10-6-24	**24"x36"**	**STOP HERE ON RED**	4	4				**4**	**16**	**64**
R11-2-48	**48"x30"**	**ROAD CLOSED**	2	1		1	1	**2**	**28**	**56**
R11-2a-48	48"x30"	STREET CLOSED							28	
R11-3a-60	60"x30"	ROAD CLOSED __ MILES AHEAD LOCAL TRAFFIC ONLY							31	
R11-3c-60	60"x30"	STREET CLOSED __ MILES AHEAD LOCAL TRAFFIC ONLY							31	
R11-4a-60	60"x30"	STREET CLOSED TO THRU TRAFFIC							31	
W1-3-48	**48"x48"**	**RIGHT or LEFT SHARP REVERSE CURVE ARROW**			2			**2**	**35**	**70**
W1-4-48	48"x48"	RIGHT or LEFT REVERSE CURVE ARROW							35	
W1-4b-48	**48"x48"**	**DOUBLE RIGHT or LEFT REVERSE CURVE ARROW**	8	8	2	3	3	**8**	**35**	**280**
W1-6-48	**48"x24"**	**LARGE ARROW**		1	1			**1**	**26**	**26**
W3-1-48	48"x48"	STOP AHEAD SYMBOL							35	
W3-3-48	48"x48"	SIGNAL AHEAD SYMBOL							35	
W3-4-48	48"x48"	BE PREPARED TO STOP							35	
W3-5-48	**48"x48"**	**SPEED REDUCTION AHEAD**	3	3	3	5	3	**5**	**35**	**175**
W4-2-48	**48"x48"**	**RIGHT or LEFT LANE TRANSITION SYMBOL**			2	2	2	**2**	**35**	**70**
W5-1-48	48"x48"	ROAD NARROWS							35	
W5-8-48	48"x48"	THRU TRAFFIC RIGHT LANE							35	
W5-9-48	48"x48"	ROAD WORK TRAFFIC ONLY DOWN & LT or RT ARROW							35	
W6-3-48	48"x48"	TWO WAY TRAFFIC SYMBOL							35	
W8-1-48	48"x48"	BUMP							35	
W8-3-48	48"x48"	PAVEMENT ENDS							35	
W8-7-48	48"x48"	LOOSE GRAVEL							35	
W8-9a-48	48"x48"	SHOULDER DROP-OFF							35	
W8-11-48	48"x48"	UNEVEN LANES							35	
W8-12-48	48"x48"	NO CENTER STRIPE							35	
W8-53-48	48"x48"	TRUCKS ENTERING HIGHWAY							35	
W8-54-48	48"x48"	TRUCKS ENTERING AHEAD or __ FT.							35	
W8-55-48	48"x48"	TRUCKS CROSSING AHEAD or __ FT.							35	
W8-56-48	48"x48"	TRUCKS EXITING HIGHWAY							35	
W9-3a-48	48"x48"	CENTER LANE CLOSED SYMBOL							35	
W12-1-36	**36"x36"**	**CROSSING DOUBLE ARROW**	1	1				**1**	**23**	**23**
W12-2-48	48"x48"	LOW CLEARANCE SYMBOL							35	
W13-1-24	**24"x24"**	**__ MPH ADVISORY SPEED PLATE (Mounted on warning sign post)**	3	3	2	1	1	**3**	**11**	**33**
W13-4-48	48"x60"	RAMP ARROW							39	
W14-3-48	48"x36"	NO PASSING ZONE							23	
W16-9P-24	**24"x12"**	**AHEAD**			3	3	3	**3**	**7**	**21**
W20-1-48	**48"x48"**	**ROAD WORK AHEAD or _FT or _ MILE**	5	5	5	7	5	**7**	**35**	**245**
W20-2-48	**48"x48"**	**DETOUR AHEAD or __ FT**	3	1				**3**	**35**	**105**
W20-3-48	**48"x48"**	**ROAD or STREET CLOSED AHEAD or __ FT.**	1	1				**1**	**35**	**35**
W20-4-48	48"x48"	ONE LANE ROAD AHEAD or __ FT.							35	
W20-5-48	**48"x48"**	**RIGHT or LEFT LANE CLOSED AHEAD or __ FT.**			2	2	2	**2**	**35**	**70**

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED BY PHASE NO. 3C	3D	4A	4B	4C	TOTAL AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
W20-7a-48	**48"x48"**	**FLAGGING SYMBOL**	2	2	2	2	2	**2**	**35**	**70**
W20-7k-24	24"x18"	__ FEET (Mounted on warning sign post)							10	
W20-8-48	48"x48"	STREET CLOSED							35	
W20-51-48	48"x48"	EQUIPMENT WORKING							35	
W20-52-54	54"x12"	NEXT __ MILES (Mounted on warning sign post)							12	
W21-1a-48	48"x48"	WORKERS SYMBOL							35	
W21-2-48	48"x48"	FRESH OIL							35	
W21-3-48	48"x48"	ROAD MACHINERY AHEAD or __ FT							35	
W21-5-48	48"x48"	SHOULDER WORK							35	
W21-5a-48	48"x48"	RIGHT or LEFT SHOULDER CLOSED							35	
W21-5b-48	**48"x48"**	**RIGHT or LEFT SHOULDER CLOSED AHEAD or __ FT.**			1		1	**1**	**35**	**35**
W21-6a-48	48"x48"	SURVEY CREW AHEAD							35	
W21-50-48	48"x48"	BRIDGE PAINTING AHEAD or __ FT.							35	
W21-51-48	48"x48"	MATERIAL ON ROADWAY							35	
W22-8-48	48"x48"	FRESH OIL LOOSE ROCK							35	
	24"x24"	TAKE TURNS (6" D letters) (Mounted on stop sign post)							11	

SPECIAL SIGNS

	30"x24"	CONSIGN 1							15	
	30"x18"	**CONSIGN 2**	1	1				**1**	**14**	**14**
	24"x12"	**CONSIGN 3**	6	6	6	13	13	**13**	**7**	**91**
	24"x12"	CONSIGN 4							7	
	36"x42"	**CONSIGN 5**	1	5	1	1	1	**5**	**12**	**60**
	30"x12"	**CONSIGN 6**	25	5	2			**25**	**7**	**175**
	36"x30"	**CONSIGN 7**		1				**1**	**25**	**25**
	54"x30"	**CONSIGN 8**	1			1	1	**1**	**29**	**29**
	30"x18"	CONSIGN 9							14	

SPEC & CODE

SPEC & CODE	DESCRIPTION	TOTAL UNITS
704-1000	TRAFFIC CONTROL SIGNS	3964

SPEC & CODE	DESCRIPTION	UNIT	QUANTITY BY PHASE NO. 3C	3D	4A	4B	4C	TOTAL QUANTITY
704-0100	FLAGGING	MHR	**50**	**50**	**50**	**50**	**50**	**250**
704-1037	ATTENUATION DEVICE -TYPE B-35	EACH	**1**	**1**	**1**	**3**	**1**	**3**
704-1041	ATTENUATION DEVICE-TYPE B-55	EACH						
704-1043	ATTENUATION DEVICE-TYPE B-65	EACH						
704-1044	ATTENUATION DEVICE-TYPE B-70	EACH						
704-1050	TYPE I BARRICADES	EACH						
704-1051	TYPE II BARRICADES	EACH						
704-1052	TYPE III BARRICADES	EACH	**34**	**33**	**32**	**28**	**16**	**34**
704-1060	DELINEATOR DRUMS	EACH	**101**	**102**	**85**	**131**	**109**	**131**
704-1065	TRAFFIC CONES	EACH						
704-1067	TUBULAR MARKERS	EACH	**185**	**184**	**150**	**89**	**135**	**185**
704-1070	DELINEATOR	EACH				**40**	**9**	**40**
704-1072	FLEXIBLE DELINEATORS	EACH	**25**	**25**	**25**	**60**	**55**	**60**
704-1080	STACKABLE VERTICAL PANELS	EACH	**39**					**39**
704-1081	VERTICAL PANELS - BACK TO BACK	EACH						
704-1085	SEQUENCING ARROW PANEL - TYPE A	EACH						
704-1086	SEQUENCING ARROW PANEL - TYPE B	EACH						
704-1087	SEQUENCING ARROW PANEL - TYPE C	EACH			**1**	**1**	**1**	**1**
704-1088	SEQUENCING ARROW PANEL - TYPE C - CROSSOVER	EACH						
704-1095	TYPE B FLASHERS	EACH						
704-1500	OBLITERATION OF PVMT MK	SF						
704-3501	PORTABLE PRECAST CONCRETE MED BARRIER	LF						
704-3510	PRECAST CONCRETE MED BARRIER - STATE FURNISHED	EACH				**20**		**20**
704-4011	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	**4**	**4**	**4**	**4**	**4**	**4**
762-0200	RAISED PAVEMENT MARKERS	EACH						
762-0420	SHORT TERM 4IN LINE - TYPE R	LF						
762-0424	SHORT TERM 8IN LINE-TYPE R	LF						
762-0426	SHORT TERM 24IN LINE-TYPE R	LF						
762-0430	SHORT TERM 4IN LINE - TYPE NR	LF						
772-2110	FLASHING BEACON - POST MOUNTED	EACH						

PROJECT NO.

NHU-8-081(039)924

NOTE:
If additional signs are required, units will be calculated using the formula from Section III-19.06 of the Design Manual.
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Traffic Control Devices List

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	3

PROJECT NO.
NHU-8-081(039)924

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED BY PHASE NO. 4D	5	6A	6B	6C	TOTAL AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
D3-36	36"x6"	STREET NAME SIGN (Sign and installation only)							6	
E5-1-48	**60"x60"**	**EXIT GORE**			**1**	**1**	**1**	**1**	**43**	**43**
G20-1-60	60"x24"	ROAD WORK NEXT __ MILES							34	
G20-1b-60	60"x24"	WORK IN PROGRESS/ NO WORK IN PROGRESS (Sign and installation only)							26	
G20-2-48	**48"x24"**	**END ROAD WORK**	**3**	**3**	**2**	**2**	**2**	**3**	**19**	**57**
G20-4-36	36"x18"	PILOT CAR FOLLOW ME (Mounted to back of pilot car)							18	
G20-10-108	108"x48"	CONTRACTOR SIGN							64	
G20-50a-72	72"x36"	ROAD WORK NEXT __ MILES RT & LT ARROWS							37	
G20-52a-72	72"x24"	ROAD WORK NEXT __ MILES RT or LT ARROW							30	
G20-55-96	96"x48"	SPEED LIMIT ENFORCED - MINIMUM FEE $80 WHEN WORKERS PRESENT							59	
M1-1-36	**36"x36"**	**INTERSTATE ROUTE MARKER (Post and installation only)**			**1**	**1**	**1**	**1**	**10**	**10**
M1-4-24	24"x24"	U.S. ROUTE MARKER (Post and installation only)							10	
M1-5-24	24"x24"	STATE ROUTE MARKER (Post and installation only)							10	
M3-1-24	**24"x12"**	**NORTH (Mounted on route marker post)**			**5**			**5**	**7**	**35**
M3-2-24	**24"x12"**	**EAST (Mounted on route marker post)**	**6**	**6**	**1**	**12**	**1**	**12**	**7**	**84**
M3-3-24	24"x12"	SOUTH (Mounted on route marker post)							7	
M3-4-24	**24"x12"**	**WEST (Mounted on route marker post)**	**7**	**7**		**10**		**10**	**7**	**70**
M4-5-24	**24"x12"**	**TO SIGN**			**5**			**5**	**7**	**35**
M4-8-24	**24"x12"**	**DETOUR (Mounted on route marker post)**	**13**	**13**	**5**	**21**		**21**	**7**	**147**
M4-9-30	**30"x24"**	**DETOUR ARROW RIGHT or LEFT/AHD AND RT or LT**	**14**			**5**		**14**	**15**	**210**
M4-10-48	**48"x18"**	**DETOUR ARROW RIGHT or LEFT**	**3**		**1**	**2**		**3**	**23**	**69**
M5-1-21	**21"x15"**	**ARROW AHD AND RT or LT(Mounted on route marker post)**	**6**	**6**		**9**		**9**	**7**	**63**
M5-2-21	21"x15"	ARROW AHD UP & RT or LT (Mounted on route marker post)							7	
M6-1-21	**21"x15"**	**ARROW RT or LT (Mounted on route marker post)**	**6**	**6**	**5**	**10**		**10**	**7**	**70**
M6-2-21	**21"x15"**	**ARROW UP & RT or LT (Mounted on route marker post)**			**1**		**1**	**1**	**7**	**7**
M6-3-21	**21"x15"**	**ARROW AHD (Mounted on route marker post)**	**1**	**1**		**3**		**3**	**7**	**21**
R1-1-48	**48"x48"**	**STOP**					**1**	**1**	**32**	**32**
R1-1a-18	**18"x18"**	**STOP and SLOW PADDLE Back to Back**	**2**	**2**	**2**	**2**	**2**	**2**	**5**	**10**
R1-2-60	60"x60"	YIELD							29	
R2-1-48	**48"x60"**	**SPEED LIMIT __**	**7**	**7**	**4**	**4**	**4**	**7**	**39**	**273**
R2-1a-24	24"x18"	MINIMUM FEE $80 (Mounted on Speed Limit post)							10	
R3-2-24	**24"x24"**	**NO LEFT TURN**	**4**	**5**				**5**	**11**	**55**
R3-2-36	**36"x36"**	**NO LEFT TURN**	**5**	**5**				**5**	**20**	**100**
R3-5R-24	**30"x24"**	**RIGHT ONLY**	**4**	**5**				**5**	**15**	**75**
R3-7-48	48"x48"	LEFT or RIGHT LANE MUST TURN LEFT or RIGHT							35	
R4-1-48	48"x60"	DO NOT PASS							39	
R4-7-48	48"x60"	KEEP RIGHT SYMBOL							39	
R5-1-48	**48"x48"**	**DO NOT ENTER**			**1**			**1**	**35**	**35**
R6-1-36	36"x12"	ONE WAY RIGHT or LEFT							13	
R7-1-12	12"x18"	NO PARKING							11	
R9-9-24	**24"x12"**	**SIDEWALK CLOSED**	**7**			**6**		**7**	**7**	**49**
R10-6-24	24"x36"	STOP HERE ON RED							16	
R11-2-48	**48"x30"**	**ROAD CLOSED**			**1**	**3**	**1**	**3**	**28**	**84**
R11-2a-48	48"x30"	STREET CLOSED							28	
R11-3a-60	60"x30"	ROAD CLOSED __ MILES AHEAD LOCAL TRAFFIC ONLY							31	
R11-3c-60	60"x30"	STREET CLOSED __ MILES AHEAD LOCAL TRAFFIC ONLY							31	
R11-4a-60	**60"x30"**	**STREET CLOSED TO THRU TRAFFIC**				**1**		**1**	**31**	**31**
W1-3-48	48"x48"	RIGHT or LEFT SHARP REVERSE CURVE ARROW							35	
W1-4-48	48"x48"	RIGHT or LEFT REVERSE CURVE ARROW							35	
W1-4b-48	**48"x48"**	**DOUBLE RIGHT or LEFT REVERSE CURVE ARROW**	**2**	**2**				**2**	**35**	**70**
W1-6-48	48"x24"	LARGE ARROW							26	
W3-1-48	48"x48"	STOP AHEAD SYMBOL							35	
W3-3-48	48"x48"	SIGNAL AHEAD SYMBOL							35	
W3-4-48	48"x48"	BE PREPARED TO STOP							35	
W3-5-48	**48"x48"**	**SPEED REDUCTION AHEAD**	**3**	**3**	**2**	**2**	**2**	**3**	**35**	**105**
W4-2-48	**48"x48"**	**RIGHT or LEFT LANE TRANSITION SYMBOL**	**2**	**2**	**2**	**2**	**2**	**2**	**35**	**70**
W5-1-48	48"x48"	ROAD NARROWS							35	
W5-8-48	48"x48"	THRU TRAFFIC RIGHT LANE							35	
W5-9-48	48"x48"	ROAD WORK TRAFFIC ONLY DOWN & LT or RT ARROW							35	
W6-3-48	48"x48"	TWO WAY TRAFFIC SYMBOL							35	
W8-1-48	48"x48"	BUMP							35	
W8-3-48	48"x48"	PAVEMENT ENDS							35	
W8-7-48	48"x48"	LOOSE GRAVEL							35	
W8-9a-48	48"x48"	SHOULDER DROP-OFF							35	
W8-11-48	48"x48"	UNEVEN LANES							35	
W8-12-48	48"x48"	NO CENTER STRIPE							35	
W8-53-48	48"x48"	TRUCKS ENTERING HIGHWAY							35	
W8-54-48	48"x48"	TRUCKS ENTERING AHEAD or __ FT.							35	
W8-55-48	48"x48"	TRUCKS CROSSING AHEAD or __ FT.							35	
W8-56-48	48"x48"	TRUCKS EXITING HIGHWAY							35	
W9-3a-48	48"x48"	CENTER LANE CLOSED SYMBOL							35	
W12-1-36	**36"x36"**	**CROSSING DOUBLE ARROW**		**1**				**1**	**23**	**23**
W12-2-48	48"x48"	LOW CLEARANCE SYMBOL							35	
W13-1-24	24"x24"	__ MPH ADVISORY SPEED PLATE (Mounted on warning sign post)							11	
W13-4-48	48"x60"	RAMP ARROW							39	
W14-3-48	48"x36"	NO PASSING ZONE							23	
W16-9P-24	**24"x12"**	**AHEAD**	**3**			**3**		**3**	**7**	**21**
W20-1-48	**48"x48"**	**ROAD WORK AHEAD or _FT or _ MILE**	**5**	**5**	**2**	**2**	**2**	**5**	**35**	**175**
W20-2-48	**48"x48"**	**DETOUR AHEAD or __ FT**			**1**			**1**	**35**	**35**
W20-3-48	**48"x48"**	**ROAD or STREET CLOSED AHEAD or __ FT.**			**1**			**1**	**35**	**35**
W20-4-48	48"x48"	ONE LANE ROAD AHEAD or __ FT.							35	
W20-5-48	**48"x48"**	**RIGHT or LEFT LANE CLOSED AHEAD or __ FT.**	**2**	**2**	**2**	**2**	**2**	**2**	**35**	**70**

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED BY PHASE NO. 4D	5	6A	6B	6C	TOTAL AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
W20-7a-48	**48"x48"**	**FLAGGING SYMBOL**	**2**	**2**	**2**	**2**	**2**	**2**	**35**	**70**
W20-7k-24	24"x18"	__ FEET (Mounted on warning sign post)							10	
W20-8-48	48"x48"	STREET CLOSED							35	
W20-51-48	48"x48"	EQUIPMENT WORKING							35	
W20-52-54	54"x12"	NEXT __ MILES (Mounted on warning sign post)							12	
W21-1a-48	48"x48"	WORKERS SYMBOL							35	
W21-2-48	48"x48"	FRESH OIL							35	
W21-3-48	48"x48"	ROAD MACHINERY AHEAD or __ FT							35	
W21-5-48	48"x48"	SHOULDER WORK							35	
W21-5a-48	48"x48"	RIGHT or LEFT SHOULDER CLOSED							35	
W21-5b-48	48"x48"	RIGHT or LEFT SHOULDER CLOSED AHEAD or __ FT.							35	
W21-6a-48	48"x48"	SURVEY CREW AHEAD							35	
W21-50-48	48"x48"	BRIDGE PAINTING AHEAD or __ FT.							35	
W21-51-48	48"x48"	MATERIAL ON ROADWAY							35	
W22-8-48	48"x48"	FRESH OIL LOOSE ROCK							35	
	24"x24"	TAKE TURNS (6" D letters) (Mounted on stop sign post)							11	

SPECIAL SIGNS

	30"x24"	**CONSIGN 1**					**1**	**1**	**15**	**15**
	30"x18"	**CONSIGN 2**			**1**	**1**	**1**	**1**	**14**	**14**
	24"x12"	**CONSIGN 3**	**13**	**13**				**13**	**7**	**91**
	24"x12"	**CONSIGN 4**				**21**		**21**	**7**	**147**
	36"x42"	**CONSIGN 5**	**2**					**2**	**12**	**24**
	30"x12"	**CONSIGN 6**			**5**			**5**	**7**	**35**
	36"x30"	CONSIGN 7							25	
	54"x30"	CONSIGN 8							29	
	30"x18"	**CONSIGN 9**				**1**		**1**	**14**	**14**

SPEC & CODE

704-1000	**TRAFFIC CONTROL SIGNS**	**TOTAL UNITS 2679**

SPEC & CODE	DESCRIPTION	UNIT	QUANTITY BY PHASE NO. 4D	5	6A	6B	6C	TOTAL QUANTITY
704-0100	**FLAGGING**	MHR	**50**	**50**	**50**	**50**	**50**	**250**
704-1037	**ATTENUATION DEVICE -TYPE B-35**	EACH	**2**	**1**		**1**		**2**
704-1041	ATTENUATION DEVICE-TYPE B-55	EACH						
704-1043	ATTENUATION DEVICE-TYPE B-65	EACH						
704-1044	ATTENUATION DEVICE-TYPE B-70	EACH						
704-1050	TYPE I BARRICADES	EACH						
704-1051	TYPE II BARRICADES	EACH						
704-1052	**TYPE III BARRICADES**	EACH	**36**	**33**	**13**	**19**	**10**	**36**
704-1060	**DELINEATOR DRUMS**	EACH	**41**	**21**	**49**	**22**	**33**	**49**
704-1065	TRAFFIC CONES	EACH						
704-1067	**TUBULAR MARKERS**	EACH	**197**	**198**	**34**	**41**	**38**	**198**
704-1070	**DELINEATOR**	EACH				**13**		**13**
704-1072	FLEXIBLE DELINEATORS	EACH						
704-1080	**STACKABLE VERTICAL PANELS**	EACH	**21**					**21**
704-1081	VERTICAL PANELS - BACK TO BACK	EACH						
704-1085	SEQUENCING ARROW PANEL - TYPE A	EACH						
704-1086	SEQUENCING ARROW PANEL - TYPE B	EACH						
704-1087	**SEQUENCING ARROW PANEL - TYPE C**	EACH	**1**	**1**	**1**	**1**	**1**	**1**
704-1088	SEQUENCING ARROW PANEL - TYPE C - CROSSOVER	EACH						
704-1095	TYPE B FLASHERS	EACH						
704-1500	OBLITERATION OF PVMT MK	SF						
704-3501	PORTABLE PRECAST CONCRETE MED BARRIER	LF						
704-3510	PRECAST CONCRETE MED BARRIER - STATE FURNISHED	EACH						
704-4011	**PORTABLE CHANGEABLE MESSAGE SIGN**	EACH	**4**	**4**	**4**	**4**	**4**	**4**
762-0200	RAISED PAVEMENT MARKERS	EACH						
762-0420	SHORT TERM 4IN LINE - TYPE R	LF						
762-0424	SHORT TERM 8IN LINE-TYPE R	LF						
762-0426	SHORT TERM 24IN LINE-TYPE R	LF						
762-0430	SHORT TERM 4IN LINE - TYPE NR	LF						
772-2110	FLASHING BEACON - POST MOUNTED	EACH						

NOTE:
If additional signs are required, units will be calculated using the formula from Section III-19.06 of the Design Manual.
http://www.dot.nd.gov/

This document was originally issued and sealed by Adam Ruud, Registration Number PE-10407, on 10/4/17 and the original document is stored at the North Dakota Department of Transportation.

Traffic Control Devices List

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	4

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED BY PHASE NO. 6D	-		TOTAL AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
D3-36	36"x6"	STREET NAME SIGN (Sign and installation only)					6	
E5-1-48	60"x60"	EXIT GORE					43	
G20-1-60	60"x24"	ROAD WORK NEXT __ MILES					34	
G20-1b-60	60"x24"	WORK IN PROGRESS/ NO WORK IN PROGRESS (Sign and installation only)					26	
G20-2-48	**48"x24"**	**END ROAD WORK**	**2**			**2**	**19**	**38**
G20-4-36	36"x18"	PILOT CAR FOLLOW ME (Mounted to back of pilot car)					18	
G20-10-108	108"x48"	CONTRACTOR SIGN					64	
G20-50a-72	72"x36"	ROAD WORK NEXT __ MILES RT & LT ARROWS					37	
G20-52a-72	72"x24"	ROAD WORK NEXT __ MILES RT or LT ARROW					30	
G20-55-96	96"x48"	SPEED LIMIT ENFORCED - MINIMUM FEE $80 WHEN WORKERS PRESENT					59	
M1-1-36	36"x36"	INTERSTATE ROUTE MARKER (Post and installation only)					10	
M1-4-24	24"x24"	U.S. ROUTE MARKER (Post and installation only)					10	
M1-5-24	24"x24"	STATE ROUTE MARKER (Post and installation only)					10	
M3-1-24	24"x12"	NORTH (Mounted on route marker post)					7	
M3-2-24	24"x12"	EAST (Mounted on route marker post)					7	
M3-3-24	24"x12"	SOUTH (Mounted on route marker post)					7	
M3-4-24	24"x12"	WEST (Mounted on route marker post)					7	
M4-5-24	24"x12"	TO SIGN					7	
M4-8-24	24"x12"	DETOUR (Mounted on route marker post)					7	
M4-9-30	30"x24"	DETOUR ARROW RIGHT or LEFT/AHD AND RT or LT					15	
M4-10-48	48"x18"	DETOUR ARROW RIGHT or LEFT					23	
M5-1-21	21"x15"	ARROW AHD AND RT or LT(Mounted on route marker post)					7	
M5-2-21	21"x15"	ARROW AHD UP & RT or LT (Mounted on route marker post)					7	
M6-1-21	21"x15"	ARROW RT or LT (Mounted on route marker post)					7	
M6-2-21	21"x15"	ARROW UP & RT or LT (Mounted on route marker post)					7	
M6-3-21	21"x15"	ARROW AHD (Mounted on route marker post)					7	
R1-1-48	**48"x48"**	**STOP**	**1**			**1**	**32**	**32**
R1-1a-18	**18"x18"**	**STOP and SLOW PADDLE Back to Back**	**2**			**2**	**5**	**10**
R1-2-60	60"x60"	YIELD					29	
R2-1-48	**48"x60"**	**SPEED LIMIT __**	**6**			**6**	**39**	**234**
R2-1a-24	24"x18"	MINIMUM FEE $80 (Mounted on Speed Limit post)					10	
R3-2-24	24"x24"	NO LEFT TURN					11	
R3-2-36	36"x36"	NO LEFT TURN					20	
R3-5R-24	30"x24"	RIGHT ONLY					15	
R3-7-48	48"x48"	LEFT or RIGHT LANE MUST TURN LEFT or RIGHT					35	
R4-1-48	48"x60"	DO NOT PASS					39	
R4-7-48	48"x60"	KEEP RIGHT SYMBOL					39	
R5-1-48	48"x48"	DO NOT ENTER					35	
R6-1-36	36"x12"	ONE WAY RIGHT or LEFT					13	
R7-1-12	12"x18"	NO PARKING					11	
R9-9-24	**24"x12"**	**SIDEWALK CLOSED**	**3**			**3**	**7**	**21**
R10-6-24	24"x36"	STOP HERE ON RED					16	
R11-2-48	48"x30"	ROAD CLOSED					28	
R11-2a-48	48"x30"	STREET CLOSED					28	
R11-3a-60	60"x30"	ROAD CLOSED __ MILES AHEAD LOCAL TRAFFIC ONLY					31	
R11-3c-60	60"x30"	STREET CLOSED __ MILES AHEAD LOCAL TRAFFIC ONLY					31	
R11-4a-60	60"x30"	STREET CLOSED TO THRU TRAFFIC					31	
W1-3-48	48"x48"	RIGHT or LEFT SHARP REVERSE CURVE ARROW					35	
W1-4-48	48"x48"	RIGHT or LEFT REVERSE CURVE ARROW					35	
W1-4b-48	48"x48"	DOUBLE RIGHT or LEFT REVERSE CURVE ARROW					35	
W1-6-48	48"x24"	LARGE ARROW					26	
W3-1-48	48"x48"	STOP AHEAD SYMBOL					35	
W3-3-48	48"x48"	SIGNAL AHEAD SYMBOL					35	
W3-4-48	48"x48"	BE PREPARED TO STOP					35	
W3-5-48	**48"x48"**	**SPEED REDUCTION AHEAD**	**4**			**4**	**35**	**140**
W4-2-48	**48"x48"**	**RIGHT or LEFT LANE TRANSITION SYMBOL**	**4**			**4**	**35**	**140**
W5-1-48	48"x48"	ROAD NARROWS					35	
W5-8-48	48"x48"	THRU TRAFFIC RIGHT LANE					35	
W5-9-48	48"x48"	ROAD WORK TRAFFIC ONLY DOWN & LT or RT ARROW					35	
W6-3-48	48"x48"	TWO WAY TRAFFIC SYMBOL					35	
W8-1-48	48"x48"	BUMP					35	
W8-3-48	48"x48"	PAVEMENT ENDS					35	
W8-7-48	48"x48"	LOOSE GRAVEL					35	
W8-9a-48	48"x48"	SHOULDER DROP-OFF					35	
W8-11-48	48"x48"	UNEVEN LANES					35	
W8-12-48	48"x48"	NO CENTER STRIPE					35	
W8-53-48	48"x48"	TRUCKS ENTERING HIGHWAY					35	
W8-54-48	48"x48"	TRUCKS ENTERING AHEAD or __ FT.					35	
W8-55-48	48"x48"	TRUCKS CROSSING AHEAD or __ FT.					35	
W8-56-48	48"x48"	TRUCKS EXITING HIGHWAY					35	
W9-3a-48	48"x48"	CENTER LANE CLOSED SYMBOL					35	
W12-1-36	36"x36"	CROSSING DOUBLE ARROW					23	
W12-2-48	48"x48"	LOW CLEARANCE SYMBOL					35	
W13-1-24	24"x24"	__ MPH ADVISORY SPEED PLATE (Mounted on warning sign post)					11	
W13-4-48	48"x60"	RAMP ARROW					39	
W14-3-48	48"x36"	NO PASSING ZONE					23	
W16-9P-24	24"x12"	AHEAD					7	
W20-1-48	**48"x48"**	**ROAD WORK AHEAD or _FT or _ MILE**	**4**			**4**	**35**	**140**
W20-2-48	48"x48"	DETOUR AHEAD or __ FT.					35	
W20-3-48	48"x48"	ROAD or STREET CLOSED AHEAD or __ FT.					35	
W20-4-48	48"x48"	ONE LANE ROAD AHEAD or __ FT.					35	
W20-5-48	**48"x48"**	**RIGHT or LEFT LANE CLOSED AHEAD or __ FT.**	**4**			**4**	**35**	**140**

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED BY PHASE NO. 6D	-		TOTAL AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
W20-7a-48	**48"x48"**	**FLAGGING SYMBOL**	**2**			**2**	**35**	**70**
W20-7k-24	24"x18"	__ FEET (Mounted on warning sign post)					10	
W20-8-48	48"x48"	STREET CLOSED					35	
W20-51-48	48"x48"	EQUIPMENT WORKING					35	
W20-52-54	54"x12"	NEXT __ MILES (Mounted on warning sign post)					12	
W21-1a-48	48"x48"	WORKERS SYMBOL					35	
W21-2-48	48"x48"	FRESH OIL					35	
W21-3-48	48"x48"	ROAD MACHINERY AHEAD or __ FT					35	
W21-5-48	48"x48"	SHOULDER WORK					35	
W21-5a-48	48"x48"	RIGHT or LEFT SHOULDER CLOSED					35	
W21-5b-48	48"x48"	RIGHT or LEFT SHOULDER CLOSED AHEAD or __ FT.					35	
W21-6a-48	48"x48"	SURVEY CREW AHEAD					35	
W21-50-48	48"x48"	BRIDGE PAINTING AHEAD or __ FT.					35	
W21-51-48	48"x48"	MATERIAL ON ROADWAY					35	
W22-8-48	48"x48"	FRESH OIL LOOSE ROCK					35	
	24"x24"	TAKE TURNS (6" D letters) (Mounted on stop sign post)					11	

SPECIAL SIGNS

	30"x24"	CONSIGN 1					15	
	30"x18"	**CONSIGN 2**	**2**			**2**	**14**	**28**
	24"x12"	CONSIGN 3					7	
	24"x12"	CONSIGN 4					7	
	36"x42"	CONSIGN 5					12	
	30"x12"	CONSIGN 6					7	
	36"x30"	CONSIGN 7					25	
	54"x30"	CONSIGN 8					29	
	30"x18"	**CONSIGN 9**	**1**			**1**	**14**	**14**

SPEC & CODE

704-1000	**TRAFFIC CONTROL SIGNS**	**TOTAL UNITS**	**1007**

SPEC & CODE	DESCRIPTION	UNIT	QUANTITY BY PHASE NO. 6D	-		TOTAL QUANTITY
704-0100	**FLAGGING**	MHR	**50**			**50**
704-1037	ATTENUATION DEVICE -TYPE B-35	EACH				
704-1041	ATTENUATION DEVICE-TYPE B-55	EACH				
704-1043	ATTENUATION DEVICE-TYPE B-65	EACH				
704-1044	ATTENUATION DEVICE-TYPE B-70	EACH				
704-1050	TYPE I BARRICADES	EACH				
704-1051	TYPE II BARRICADES	EACH				
704-1052	**TYPE III BARRICADES**	EACH	**7**			**7**
704-1060	**DELINEATOR DRUMS**	EACH	**33**			**33**
704-1065	TRAFFIC CONES	EACH				
704-1067	**TUBULAR MARKERS**	EACH	**25**			**25**
704-1070	DELINEATOR	EACH				
704-1072	FLEXIBLE DELINEATORS	EACH				
704-1080	STACKABLE VERTICAL PANELS	EACH				
704-1081	VERTICAL PANELS - BACK TO BACK	EACH				
704-1085	SEQUENCING ARROW PANEL - TYPE A	EACH				
704-1086	SEQUENCING ARROW PANEL - TYPE B	EACH				
704-1087	**SEQUENCING ARROW PANEL - TYPE C**	EACH	**2**			**2**
704-1088	SEQUENCING ARROW PANEL - TYPE C - CROSSOVER	EACH				
704-1095	TYPE B FLASHERS	EACH				
704-1500	OBLITERATION OF PVMT MK	SF				
704-3501	PORTABLE PRECAST CONCRETE MED BARRIER	LF				
704-3510	PRECAST CONCRETE MED BARRIER - STATE FURNISHED	EACH				
704-4011	**PORTABLE CHANGEABLE MESSAGE SIGN**	EACH	**4**			**4**
762-0200	RAISED PAVEMENT MARKERS	EACH				
762-0420	SHORT TERM 4IN LINE - TYPE R	LF				
762-0430	SHORT TERM 4IN LINE - TYPE NR	LF				
772-2110	FLASHING BEACON - POST MOUNTED	EACH				

PROJECT NO.

NHU-8-081(039)924

NOTE:
If additional signs are required, units will be calculated using the formula from Section III-19.06 of the Design Manual.
http://www.dot.nd.gov/

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Traffic Control Devices List

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	5
		NHU-8-081(039)924		

N

Burger King

Oak Manor Ave S

University Dr S

1293 1294 1295 1296 1297 1298

University Dr S

Frontage Road

ROAD WORK AHEAD
W20-1-48
STA 1293+45

SPEED LIMIT 25
W3-5-48
STA 1294+85

SPEED LIMIT 25
R2-1-48
STA 1296+25

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Temporary Traffic Control

Phase 1A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	6

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

University Dr S

1304 1305 1306 1307 1308 1309

+90 +15

125'
Obliterate Pvmt Mk
10 SF - 4IN Line

11.7'
12'
11.8'

12.6'
12'
12.5'

4IN White - Type R

OH Sign

OH Sign

Tubular Marker (Typ.)

Type III Barricade (Typ.)

Delineator Drum (Typ.)

RIGHT LANE CLOSED AHEAD
W20-5R-48
STA 1304+45

W4-2R-48
STA 1306+15

SPEED LIMIT 25
R2-1-48
STA 1306+90

SEQUENCING ARROW PANEL TYPE C
STA 1307+70

I-94 Eastbound Entrance Ramp

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Temporary Traffic Control

Phase 1A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	7

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

I-94 Westbound Entrance Ramp

G20-2a-48
STA 1312+00
END ROAD WORK

OH Sign

University Dr S

1310 1311 1312 1313 1314 1315

4IN White - Type R

100'

11.4'

12'

12'

12.3'

Tubular Marker (Typ.)

+00 +01 +05 +06 +73 +77

195'
Obliterate Pvmt Mk
7 SF - 4IN Line
75 SF - 8IN Line
38 SF - Message

Type III Barricade (Typ.)

Message - Type R

4IN White - Type R

WEST
INTERSTATE
NORTH DAKOTA
94

M3-4-24
M1-1-36
M6-2R-21
STA 1310+05

EXIT

E5-1-48
STA 1311+55

Delineator Drum (Typ.)

I-94 Westbound

I-94 Westbound Entrance Loop Ramp

I-94 Westbound Exit Ramp

15.5'

15.6'

Tubular Markers @ 10' Spacing

SPEED LIMIT 35

R2-1-48
STA 1315+75

END ROAD WORK

G20-2a-48
STA 1316+75

Phase 1A Work Zone
Remove Existing Median Concrete, Curb & Gutter
Install Temp Pavement (4" HMA, 12" Salvaged Base Course)

Delineator Drums @ 10' Spacing

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Temporary Traffic Control

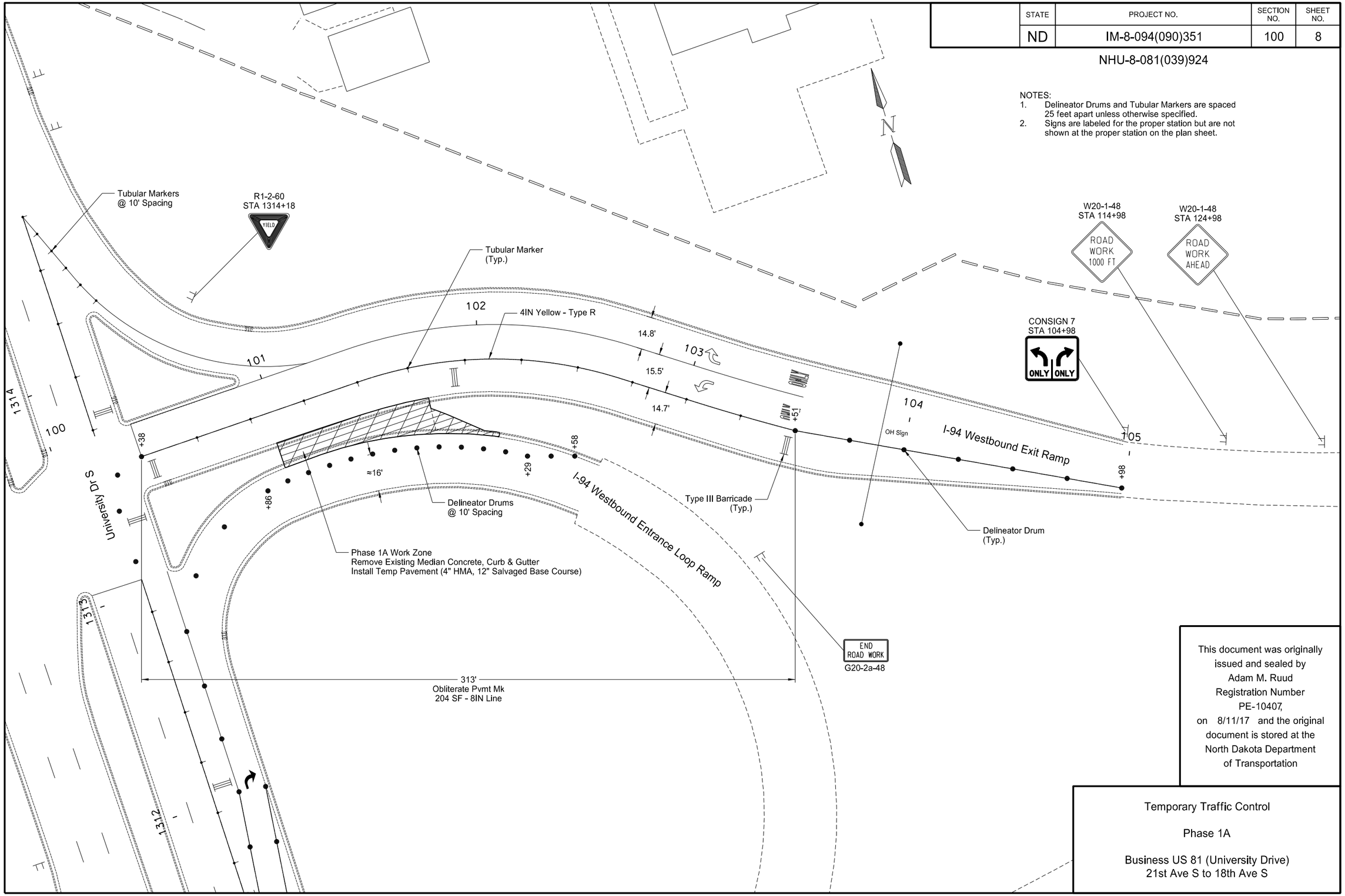
Phase 1A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	8

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 1A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	9
		NHU-8-081(039)924		

Burger King

Oak Manor Ave S

University Dr S

1293 1294 1295 1296 1297 1298

University Dr S

Frontage Road

ROAD WORK AHEAD
W20-1-48
STA 1293+45

SPEED LIMIT 25
W3-5-48
STA 1294+85

SPEED LIMIT 25
R2-1-48
STA 1296+25

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Temporary Traffic Control

Phase 1B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	10

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

University Dr S

1304 1305 1306 1307 1308 1309

OH Sign

+90

+15

OH Sign

Tubular Marker (Typ.)

Type III Barricade (Typ.)

Delineator Drum (Typ.)

RIGHT LANE CLOSED AHEAD
W20-5R-48
STA 1304+45

W4-2R-48
STA 1306+15

SPEED LIMIT 25
R2-1-48
STA 1306+90

SEQUENCING ARROW PANEL TYPE C
STA 1307+70

I-94 Eastbound Entrance Ramp

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Temporary Traffic Control

Phase 1B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	11

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

I-94 Westbound Entrance Ramp

G20-2a-48
STA 1312+00
END ROAD WORK

OH Sign

University Dr S

1310 1311 1312 1313

Phase 1B Work Zone
Remove Existing Median Concrete, Curb & Gutter
Install Temp Pavement (4" HMA, 12" Salvaged Base Course)

1314 1315

Tubular Marker (Typ.)

University Dr S

Delineator Drum (Typ.)

+05 +00 +00 +06 +58 +77

Tubular Markers @ 10' Spacing

Type III Barricade (Typ.)

14.1'

15.6'

END ROAD WORK
G20-2a-48
STA 1316+75

I-94 Westbound

WEST
INTERSTATE
NORTH DAKOTA
94

M3-4-24
M1-1-36
M6-2R-21
STA 1310+05

EXIT

E5-1-48
STA 1311+55

I-94 Westbound Entrance Loop Ramp

I-94 Westbound Exit Ramp

SPEED LIMIT 35

R2-1-48
STA 1315+75

Tubular Markers @ 10' Spacing

Temporary Pavement Installed Phase 1A

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Temporary Traffic Control

Phase 1B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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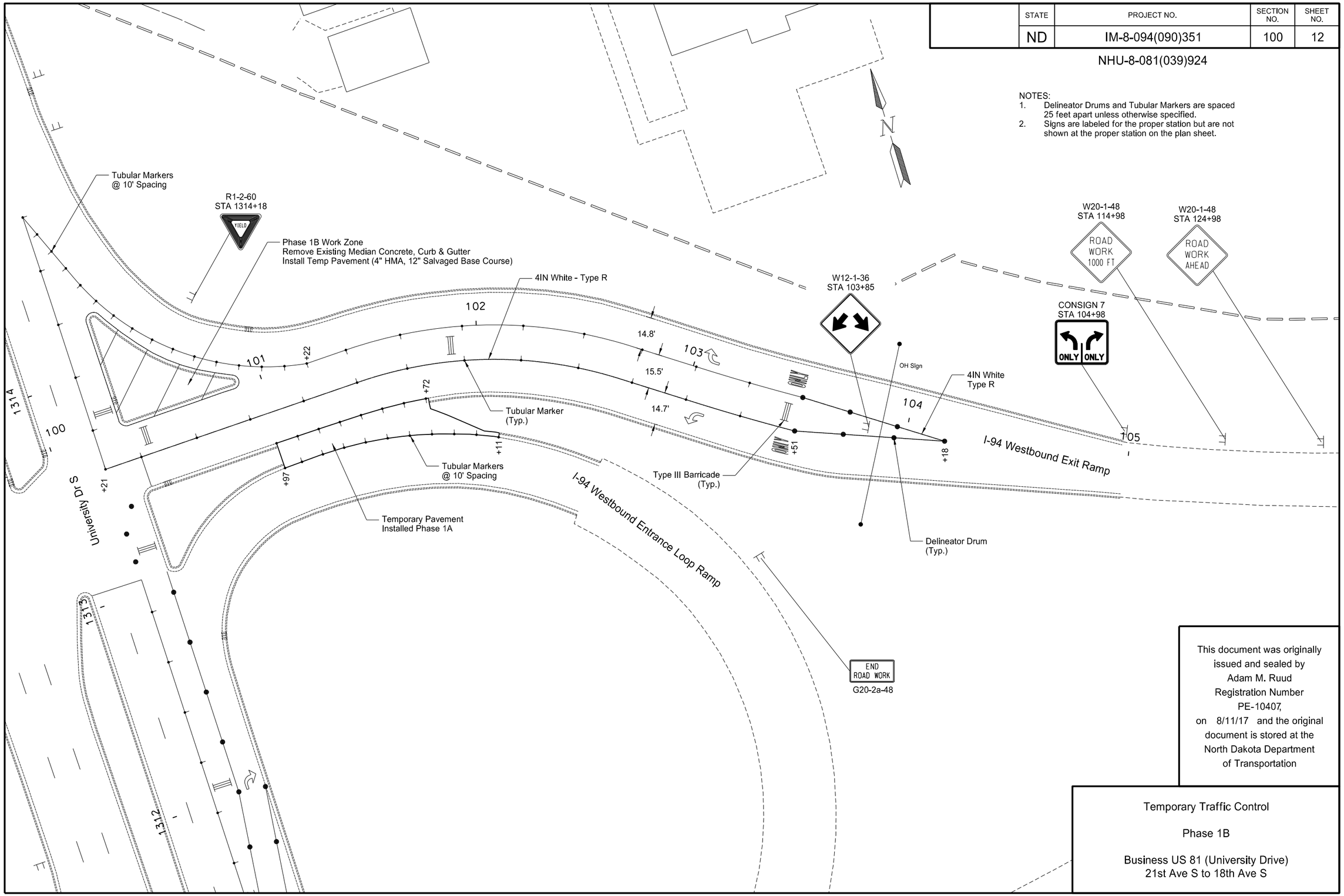
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	12

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 1B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	13
	NHU-8-081(039)924		

NOTES:
1. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Burger King

Taco Bell

Oak Manor Ave S

University Dr S

1296 1297 1298

University Dr S

1299 1300 1301

Frontage Road

ROAD WORK AHEAD
W20-1-48
STA 1293+45

SPEED LIMIT 25
W3-5-48
STA 1294+85

SPEED LIMIT 25
R2-1-48
STA 1296+25

LEFT LANE CLOSED AHEAD
W20-5L-48
STA 1299+30

W4-2L-48
STA 1300+70

Rodeway Inn

Randy's University Diner

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Temporary Traffic Control

Phase 2

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	14
		NHU-8-081(039)924		

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified

Precision Tune Auto Care

21st Ave S

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

G20-2a-48
STA 1300+65
END ROAD WORK

R2-1-48
STA 1301+40
SPEED LIMIT 35

University Dr S

1301 1302 1303 1304 1305 1306

+80 +05 +12 +65 +62 +88

125'
Obliterate Pvmt Mk
14 SF - 4IN Line

Type III Barricade (Typ.)

Delineator Drum (Typ.)

4IN Yellow - Type R

SEQUENCING ARROW PANEL TYPE C
STA 1303+60

12.6'
12.1'
11'
11.7'
12'
12'

Tubular Marker (Typ.)

Petro Serve USA

21st Ave S

I-94 Eastbound Entrance Ramp

University Dr S

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Temporary Traffic Control

Phase 2

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	15

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified

I-94 Eastbound Entrance Loop Ramp

Phase 2 Work Zone
Remove Existing Median Concrete, Curb & Gutter
Install Temp Pavement (4" HMA, 12" Salvaged Base Course)

Phase 2 Work Zone
Remove Existing Median Concrete, Curb & Gutter
Install Temp Pavement (4" HMA, 12" Salvaged Base Course)

Tubular Marker (Typ.)

Type III Barricade (Typ.)

4IN Yellow - Type R

12.8'

12'

12'

12.6'

University Dr S

Delineator Drum (Typ.)

1306 1307 1308 1309 1310 1311

+62 +98 +15 +05 +35 +85

12.5'

12'

12.4'

University Dr S

4IN White - Type R (10' Line, 30' Skip)

4IN Yellow - Type R

4IN White - Type R (10' Line, 30' Skip)

SPEED LIMIT 25

R2-1-48
STA 1306+90

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Temporary Traffic Control

Phase 2

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	16

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.

I-94 Westbound Entrance Ramp

Loaf 'N Jug

4IN Yellow - Type R

Phase 2 Work Zone
Remove Existing Median Concrete, Curb & Gutter
Install Temp Pavement (4" HMA, 12" Salvaged Base Course)

Tubular Marker
(Typ.)

Type III Barricade
(Typ.)

Tubular Markers
@10' Spacing

University Dr S

12.8'
12'
+44
11.1'
Tubular Markers
@ 10' Spacing
4IN Yellow - Type R
1311
1312
1313
11.4'
4IN Yellow - Type R
12'
+16
12'
+34
+01
+90
12.6'
Message - Type R
8IN White - Type R

+58
12'
12'
11.5'
+64
4IN Yellow - Type R
1314
1315
1316
11'
+75
12'
+75
4IN White - Type R
Tubular Markers
@ 10' Spacing
+73
12'
+47
4IN White - Type R
15.2'
Tubular Markers
@ 10' Spacing
Temporary Pavement
Installed Phase 1B

EXIT
EXISTING

I-94 Westbound
Entrance Loop Ramp

I-94 Westbound Exit Ramp

Temporary Pavement
Installed Phase 1A

LOAF 'N JUG
TACO SHOP
Consign 1
STA 1315+75

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Temporary Traffic Control

Phase 2

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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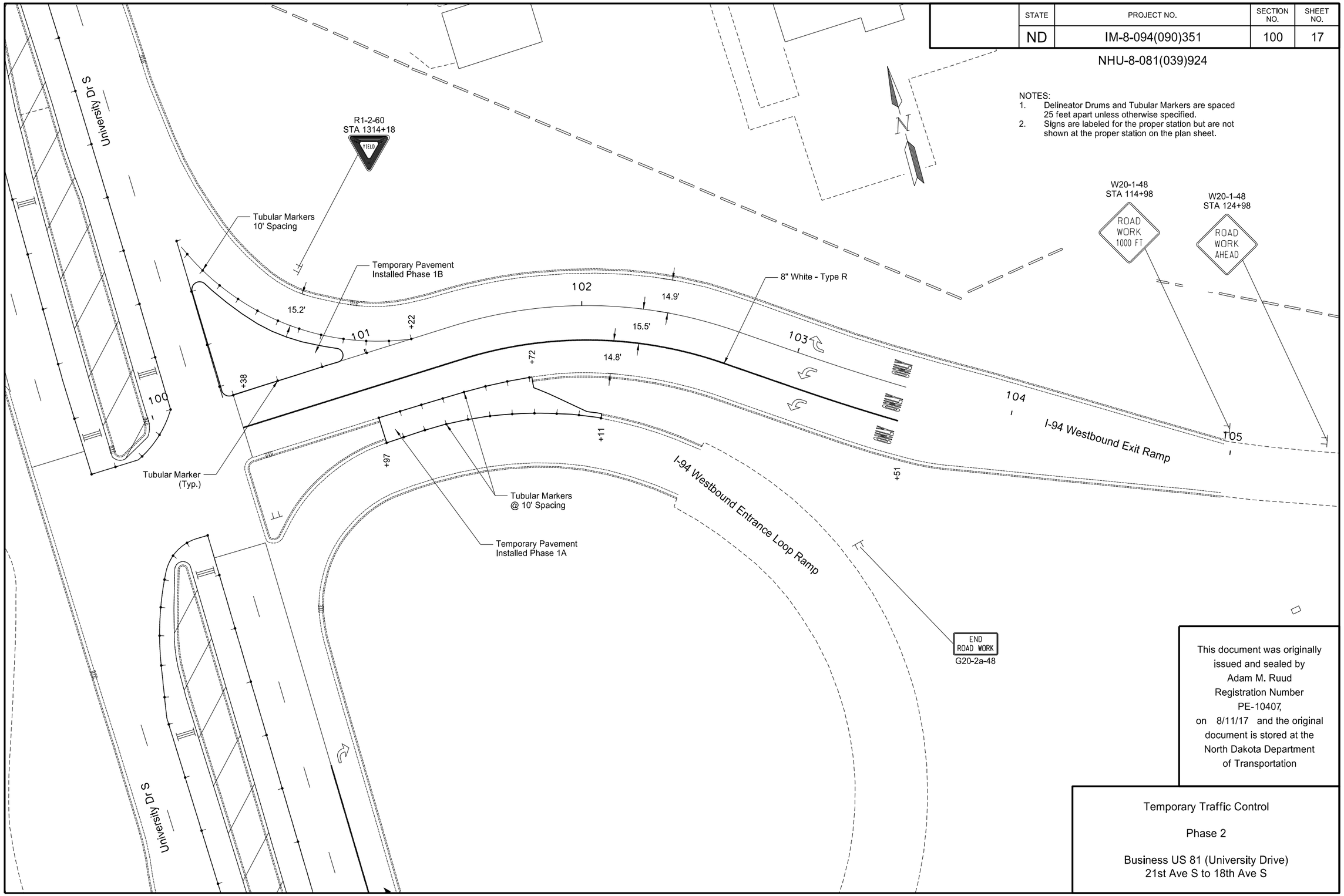
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	17

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 2

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	18

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.

Loaf 'N Jug

Taco Shop

U.S. Bank Branch

R3-5R-30
R3-2-24
STA 1315+74
STA 1316+53
STA 1317+30

PRIVATE PROPERTY NO THRU TRAFFIC
Consign 5

R1-2-60
STA 1317+75

R3-5R-30
R3-2-24
STA 1318+15

R2-1-48
STA 1320+00

W4-2L-48
STA 1320+80

18th Ave S

Phase 2 Work Zone
Remove Existing Median Concrete, Curb & Gutter
Install Temp Pavement (4" HMA, 12" Salvaged Base Course)

Tubular Markers
@ 10' Spacing

Type III Barricade
(Typ.)

4IN Yellow - Type R

4IN Yellow - Type R

Tubular Markers
@ 10' Spacing

University Dr S

1316 1317 1318 1319 1320 1321

+35 +53 +71 +75 +00 +80 +37 +42 +18 +12

36'
Obliterate Pvmt Mk
18 SF - 4IN Line

125'
Obliterate Pvmt Mk
10 SF - 4IN Line

125'
Obliterate Pvmt Mk
33 SF - 4IN Line

75'
Obliterate Pvmt Mk
7 SF - 4IN Line

11' 12' 13.4' 10.3' 12.5'

4IN Yellow - Type R

University Dr S

Delineator Drums
@ 10' Spacing

Delineator Drums
@ 10' Spacing

4IN White - Type R

Delineator Drum
(Typ.)

DO NOT ENTER
R5-1-48
STA 1317+42

SEQUENCING ARROW PANEL TYPE C
STA 1319+20

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Temporary Traffic Control

Phase 2

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	19

NHU-8-081(039)924

18th Ave S

W20-5L-48
STA 1323+00

LEFT LANE
CLOSED
AHEAD

Sanford 1717 Medical Building

University Dr S

1321 1322 1323 1324 1325 1326

University Dr S

18th Ave S

Sanford
South University
Medical Center

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Temporary Traffic Control

Phase 2

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	20

NHU-8-081(039)924

Sanford 1717 Medical Building

R2-1-48
STA 1326+70

W3-5-48
STA 1328+20

W20-1-48
STA 1329+60

17th Ave S

University Dr S

1325 1326 1327 1328 1329 1330

University Dr S

R2-1-48
STA 1326+00

G20-2a-48
STA 1331+50

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Temporary Traffic Control

Phase 2

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	21
		NHU-8-081(039)924		

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Burger King

Taco Bell

Oak Manor Ave S

University Dr S

M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1R-21
STA 1298+72

DETOUR TO NORTH
University Dr

181'
Obliterate Pvmt Mk
17 SF - 4IN Line

1296 1297 1298 1299 1300 1301

4" White - Type R
(2' Line, 6' Skip)

Tubular Marker
(Typ.)

12.3'
12'
12'
12'

+19 +10 +00

Type III Barricade
(Typ.)

4" White - Type R

University Dr S

Frontage Road

ROAD WORK AHEAD
W20-1-48
STA 1293+45

SPEED LIMIT 25
W3-5-48
STA 1294+85

SPEED LIMIT 25
R2-1-48
STA 1296+25

PETRO SERVE
CONSIGN 2
STA 1297+00

RIGHT LANE MUST TURN RIGHT
R3-7R-48
STA 1300+00

Rodeway Inn

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1R-21
STA 1299+55

Randy's University Diner

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1L-21
STA 1300+50

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Temporary Traffic Control

Phase 3A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	22

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified

Precision Tune Auto Care

21st Ave S

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

G20-2a-48
STA 1300+65
END ROAD WORK

R2-1-48
STA 1301+40
SPEED LIMIT 35

R3-7R-48
STA 1302+45
RIGHT LANE MUST TURN RIGHT

University Dr S

+00

+43

143'
Obliterate Pvmt Mk
14 SF - 4IN Line

1301

1302

1303

1304

1305

1306

4IN White - Type R
(2' Line, 6' Skip)

4IN White - Type R

12'

+06

12.1'

+41

+58

+79

Message - Type R

4IN White - Type R
(10' Line, 30' Skip)

8IN White - Type R

+05

11.6'

12'

+63

11.9'

University Dr S

4IN White - Type R

Tubular Marker
(Typ.)

SPEED LIMIT 25
R2-1-48
STA 1305+65

4IN White - Type R

Delineator Drums
@ 10' Spacing

+07

+25

ROAD CLOSED
DETOUR
R11-2-48
M4-10L-48
STA 1302+68

EXIT
E5-1-48
STA 1303+88

Type III Barricade
(Typ.)

4IN White - Type R

I-94 Eastbound Entrance Ramp

EAST
INTERSTATE
NORTH DAKOTA
94
M3-2-24
M1-1-36
MR-2R-21
STA 1301+00

Petro Serve USA

DO NOT ENTER
R5-1-48
STA 1302+39

Delineator Drums
@ 10' Spacing

21st Ave S

DETOUR
TO
NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1L-21
STA 1302+61
STA 1302+91

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Temporary Traffic Control

Phase 3A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	23

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Flexible Delineators are spaced 25 feet apart unless otherwise specified

EXISTING
EXIT

W1-4bL-48
STA 1308+10

I-94 Eastbound
Entrance Loop Ramp

Message - Type R

+85

+10

125'
Obliterate Pvmt Mk
14 SF - 4IN Line
84 SF - 8IN Line

258'
Obliterate Pvmt Mk
178 SF - 8IN Line
38 SF - Message

+68

4IN White - Type R

4IN White
(10' Line, 30' Skip)

4IN Dbl Yellow Barrier - Type R

4IN White - Type R

University Dr S

13.1'

12'

12'

12'

12'

12'

12'

4IN Yellow - Type R

Temp Pavement
Installed Phase 2

Flexible Delineator
(Typ.)

12.6'

+27

+55

+91

11'

1306

1307

1308

1309

1310

1311

11.7'

12'

11.9'

4IN White - Type R

Delineator Drum
(Typ.)

Barrel Attenuation
Device Type B

University Dr S

Type III Barricade
(Typ.)

191'
Obliterate Pvmt Mk
7 SF - 4IN Line

+42

+33

Temp Pavement
Installed Phase 2

Phase 3A Work Zone

20
M.P.H.

W1-4bL-48
W13-1-24
STA 1306+40

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Temporary Traffic Control

Phase 3A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	24

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

I-94 Westbound Entrance Ramp

W1-4bR-48
STA 1312+01

R10-6L-24
STA 1313+93

Loaf 'N Jug

4IN White - Type R

13.2'

12'

Flexible Delineator (Typ.)

4IN Dbl Yellow Barrier - Type R

24IN White - Type R

Temp Pavement Installed Phase 2

4IN White (10' Line, 30' Skip)

+94

Delineator Drums @ 10' Spacing

+93

+19

+64

University Dr S

Flexible Delineators @ 10' Spacing

1311

1312

1313

1314

1315

1316

4IN White - Type R

4IN White - Type R (10' Line, 30' Skip)

134'
Obliterate Pvmt Mk
20 SF - 4IN Line

+68

+02

Phase 3A Work Zone

W1-4bR-48
STA 1310+69

M3-4-24
M1-1-36
M6-1R-21
STA 1312+19

R10-6L-24
STA 1312+94

I-94 Westbound Entrance Loop Ramp

I-94 Westbound Exit Ramp

Phase 3A Work Zone

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Temporary Traffic Control

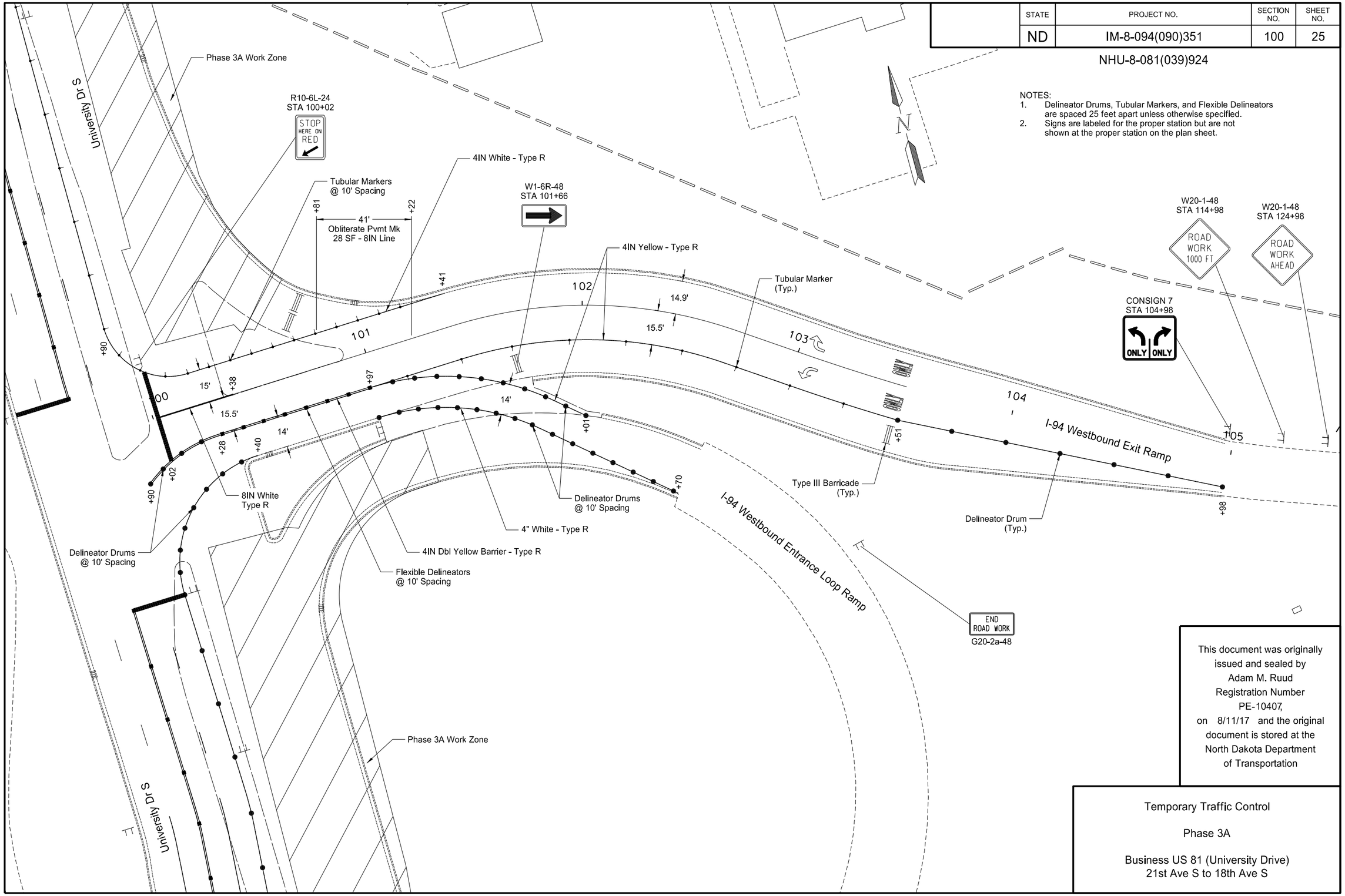
Phase 3A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	25

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 3A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	26

NHU-8-081(039)924

NOTES:
1. Tubular Markers and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

Loaf 'N Jug

Taco Shop

U.S. Bank Branch

R3-5R-30
R3-2-24
STA 1315+74
STA 1316+53
STA 1317+30
STA 1318+15

PRIVATE PROPERTY NO THRU TRAFFIC
Consign 5

R2-1-48
STA 1320+00

SPEED LIMIT 25

R3-5R-30
R3-2-24
STA 1320+38

4IN Dbl Yellow Barrier - Type R

Flexible Delineator 10' Spacing

Flexible Delineator (Typ.)

10.2'

11'

11'

12'

Flexible Delineators @ 10' Spacing

24IN White - Type R

University Dr S

+75

+14

4IN White - Type R (10' Line, 30' Skip)

1316

1317

Tubular Marker (Typ.)

1318

4" White - Type R

1319

1320

1321

University Dr S

Phase 3A Work Zone

Type III Barricade (Typ.)

+43

471'
Obliterate Pvmt Mk
276 SF - 4IN Line
64 SF - Message

R3-2-36
STA 1315+63
STA 1316+45
STA 1317+21
STA 1318+08

R3-2-36
STA 1319+40

DETOUR
WEST
18 Ave S

M4-8-24
M3-4-24
Consign 3
M6-3-21
STA 1320+15

Nativity Church of Fargo

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Temporary Traffic Control

Phase 3A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	27

NHU-8-081(039)924

Sanford 1717 Medical Building

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station/offset but are not shown at the proper station/offset on the plan sheet.

R2-1-48
STA 1321+25
OFFSET 140' Lt

W20-1-48
STA 1321+25
OFFSET 290' Lt

W3-5-48
STA 1321+25
OFFSET 215' Lt

R3-2-36
STA 1323+50

W1-4bR-48
STA 1325+55

R2-1-48
STA 1321+75
OFFSET: 175' Rt

W3-5-48
STA 1321+75
OFFSET: 250' Rt

W20-1-48
STA 1321+75
OFFSET: 325' Rt

R3-5R-30
R3-2-24
STA 1325+03

18th Ave S

University Dr S

Flexible Delineator (Typ.)

4IN Dbl Yellow Barrier - Type R

Flexible Delineator 10' Spacing

4IN Dbl Yellow Barrier - Type R

4IN White (10' Line, 30' Skip)

4IN White - Type R

4IN Yellow - Type R

130'
Obliterate Pvmt Mk
10 SF - 4IN Line

240'
Obliterate Pvmt Mk
155 SF - 4IN Line
67 SF - 8IN Line
32 SF - Message

40'
Obliterate Pvmt Mk
28 SF - 8IN Line
48 SF - 24IN Line

100'
Obliterate Pvmt Mk
75 SF - 4IN Barrier Line

75'

Delineator Drums @ 10' Spacing

4IN White - Type R

4IN Yellow - Type R

Tubular Marker (Typ.)

Delineator Drum (Typ.)

Type III Barricade (Typ.)

Sanford
South University
Medical Center

1321 1322 1323 1324 1325 1326

+14 +54 +87 +06 +98 +83 +25 +55 +24 +38 +58 +70 +34 +46

ONLY

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Temporary Traffic Control

Phase 3A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	28

NHU-8-081(039)924

NOTES:
1. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Sanford 1717 Medical Building

R2-1-48
STA 1326+70
SPEED LIMIT 25

W3-5-48
STA 1328+20
SPEED LIMIT 25

W20-1-48
STA 1329+60
ROAD WORK AHEAD

M4-8-24
M3-2-24
Consign 3
M6-1L-21
STA 1332+40
DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
STA 1333+80
DETOUR
EAST
18 Ave S

University Dr S

1326 1327 1328 1329 1330

University Dr S

G20-2a-48
STA 1331+50
END ROAD WORK

R2-1-48
STA 1326+00
SPEED LIMIT 35

M4-8-24
M3-4-24
Consign 3
M5-1L-21
STA 1327+50
DETOUR
WEST
18 Ave S

M4-8-24
M3-4-24
Consign 3
M6-1L-21
STA 1328+90
DETOUR
WEST
18 Ave S

Essentia Health
South University Clinic

17th Ave S

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Temporary Traffic Control

Phase 3A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	29
		NHU-8-081(039)924		

13½ St S

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M6-1R-21

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M5-1R-21

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M5-1L-21

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M6-1L-21

M4-8-24
M3-2-24
Consign 3
M6-1L-21
DETOUR EAST 18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
DETOUR EAST 18 Ave S

16th Ave S

University Dr S

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M6-3-21

18th Ave S

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M5-1L-21

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M6-1L-21

17th Ave S

M4-8-24
M3-2-24
Consign 3
M5-1R-21
DETOUR EAST 18 Ave S

M4-8-24
M3-2-24
Consign 3
M6-1L-21
DETOUR EAST 18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
DETOUR EAST 18 Ave S

M4-8-24
M3-2-24
Consign 3
M6-1R-21
DETOUR EAST 18 Ave S

11th St S

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Temporary Traffic Control

Phase 3A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	30

NHU-8-081(039)924

24th Ave S

Oak Manor Ave

21st Ave S

University Dr S

R11-2-48
M4-10L-48
ROAD CLOSED
DETOUR

DETOUR
TO
NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1L-21

Interstate 94

DETOUR AHEAD
W20-2-48

ROAD CLOSED AHEAD
W20-3-48

DETOUR
TO
NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1R-21

DETOUR
TO
NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1L-21

11th St S

24th Ave S

21st Ave S

Park Dr S

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Temporary Traffic Control

Phase 3A

Business US 81 (University Drive)
21st Ave S to 21st Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	31
	NHU-8-081(039)924		

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Burger King

Taco Bell

Oak Manor Ave S

University Dr S

1296 1297 1298 1299 1300 1301

M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1R-21
STA 1298+72

DETOUR TO NORTH
University Dr

Type III Barricade (Typ.)

Tubular Marker (Typ.)

+10

Frontage Road

ROAD WORK AHEAD
W20-1-48
STA 1293+45

SPEED LIMIT 25
W3-5-48
STA 1294+85

SPEED LIMIT 25
R2-1-48
STA 1296+25

PETRO SERVE
CONSIGN 2
STA 1297+00

RIGHT LANE MUST TURN RIGHT
R3-7R-48
STA 1300+00

Rodeway Inn

Randy's University Diner

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1R-21
STA 1299+55

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1L-21
STA 1300+50

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Temporary Traffic Control

Phase 3B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	32
		NHU-8-081(039)924		

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.

Precision Tune Auto Care

21st Ave S

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

G20-2a-48
STA 1300+65
END ROAD WORK

R2-1-48
STA 1301+40
SPEED LIMIT 35

R3-7R-48
STA 1302+45
RIGHT LANE MUST TURN RIGHT

University Dr S

1301 1302 1303 1304 1305 1306

+06 +41 +63 +07 +25

Delineator Drums @ 10' Spacing

Type III Barricade (Typ.)

Tubular Marker (Typ.)

R2-1-48
STA 1305+65
SPEED LIMIT 25

ROAD CLOSED
DETOUR
R11-2-48
M4-10L-48
STA 1302+68

EXIT
E5-1-48
STA 1303+88

EAST
INTERSTATE
NORTH DAKOTA
94
M3-2-24
M1-1-36
M6-2R-21
STA 1301+00

Petro Serve USA

DO NOT ENTER
R5-1-48
STA 1302+39

Delineator Drums @ 10' Spacing

21st Ave S

DETOUR
TO
NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1L-21
STA 1302+61
STA 1302+91

I-94 Eastbound Entrance Ramp

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Temporary Traffic Control

Phase 3B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	33

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Flexible Delineators are spaced 25 feet apart unless otherwise specified

EXISTING
EXIT

W1-4bL-48
STA 1308+10

I-94 Eastbound
Entrance Loop Ramp

+10
+33
+68
+85
+42

University Dr S

Temp Pavement
Installed Phase 2

Flexible Delineator
(Typ.)

1306
1307
1308
1309
1310
1311

Delineator Drum
(Typ.)

Barrel Attenuation
Device Type B

Type III Barricade
(Typ.)

Temp Pavement
Installed Phase 2

20
M.P.H.

W1-4bL-48
W13-1-24
STA 1306+40

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Temporary Traffic Control

Phase 3B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	34

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

I-94 Westbound Entrance Ramp

W1-4bR-48
STA 1312+01

R10-6L-24
STA 1312+94
STA 1313+93
STOP HERE ON RED

E5-1-48
STA 1312+42
EXIT

Loaf 'N Jug

Flexible Delineator (Typ.)

University Dr S

+68

+94

4IN Yellow - Type R

+93

12'

+64

Tubular Markers @ 10' Spacing

+95

4" Yellow - Type R

+31

+24

+95

12'

1311

+85

1312

1313

1314

1315

1316

12'

4IN White - Type R

16'

Delineator Drums @ 10' Spacing

24IN White - Type R

Tubular Markers @ 10' Spacing

Temp Pavement Installed Phase 2

Delineator Drum (Typ.)

4IN White - Type R

4IN White - Type R

+03

+92

I-94 Westbound Entrance Loop Ramp

I-94 Westbound Exit Ramp

W1-4bR-48
STA 1310+69

20 M.P.H.
W1-4bR-48
W13-1-24
STA 1314+94

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Temporary Traffic Control

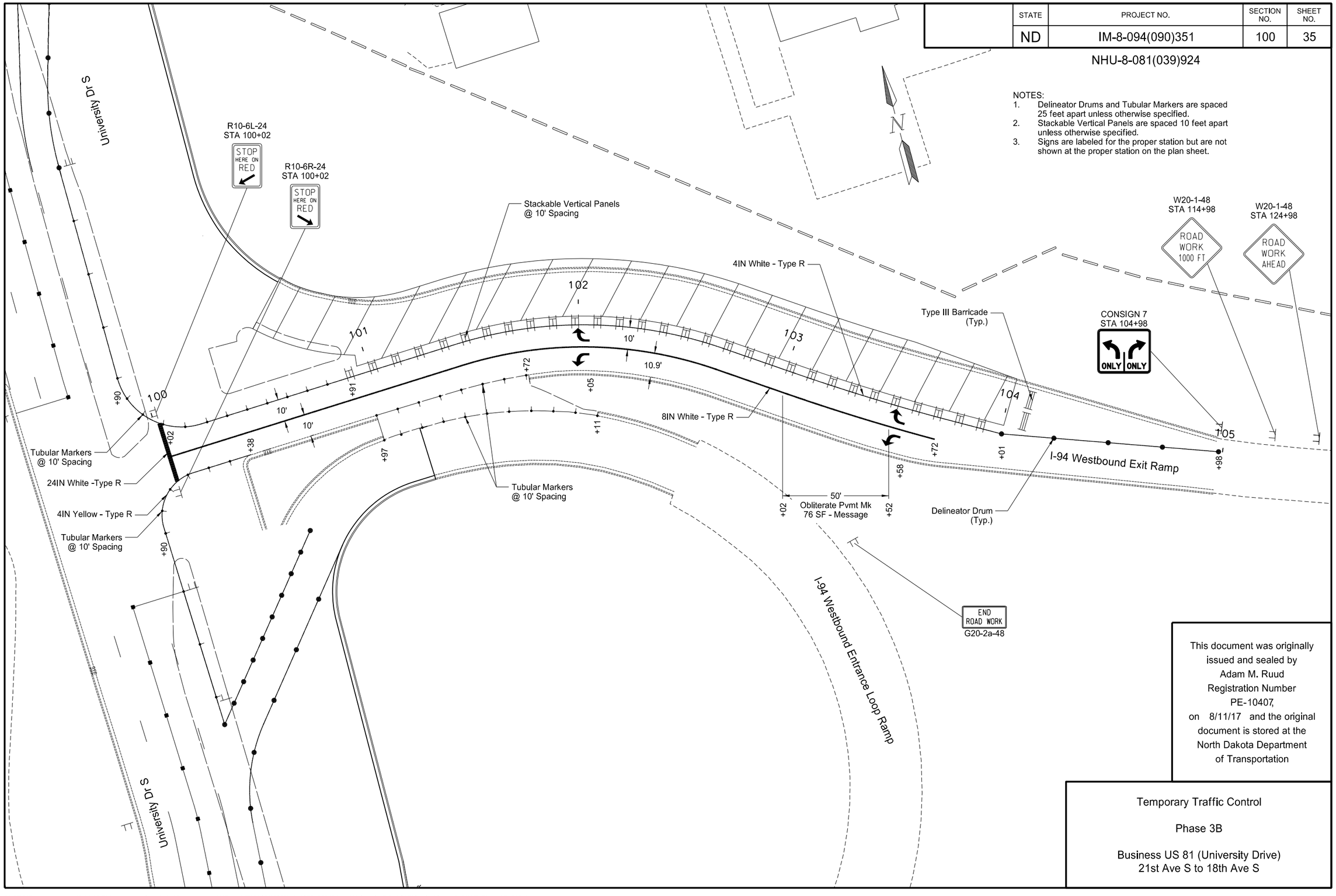
Phase 3B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	35

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Stackable Vertical Panels are spaced 10 feet apart unless otherwise specified.
3. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 3B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	36
		NHU-8-081(039)924		

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

Loaf 'N Jug

Taco Shop

U.S. Bank Branch

R3-5R-30
R3-2-24
STA 1315+74
STA 1316+53
STA 1317+30
STA 1318+15

PRIVATE PROPERTY NO THRU TRAFFIC
Consign 5

ONLY

R2-1-48
STA 1320+00

SPEED LIMIT 25

R3-5R-30
R3-2-24
STA 1320+38

ONLY

Tubular Markers @ 10' Spacing

University Dr S

Type III Barricade (Typ.)

Tubular Markers @ 10' Spacing

4" Yellow - Type R

1316 1317 1318 1319 1320 1321

+75 +18 +13 +81 +13 +14 +87 +10 +91 +05 +36

Message - Type R

Tubular Markers @ 10' Spacing

12' 11' 11' 11' 11' 11' 11.2'

Delineator Drum (Typ.)

University Dr S

4IN White - Type R (10' Line, 30' Skip)

Message - Type R

8IN White - Type R

24IN White - Type R

4IN White - Type R

278'
Obliterate Pvmt Mk
10 SF - 4IN Line
64 SF - 8IN Line

Nativity Church of Fargo

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Temporary Traffic Control

Phase 3B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	37

NHU-8-081(039)924

NOTES:
1. Tubular Markers are spaced 25 feet apart unless otherwise specified.

24" C&G

18th Ave S

R3-2-36
STA 1322+75

W1-4bR-48
STA 1325+55

Sanford 1717 Medical Building

Delineator Drum
(Typ.)

Type III Barricade
(Typ.)

Tubular Marker
(Typ.)

University Dr S

1321 +14 | 1322 +98 | 1323 | 1324 +68 | 1325 +18 | 1326 +37 | +55

12' | 12' | 11.3'

Re-Establish
24IN White Pvmt Mk

University Dr S

Tubular Marker
(Typ.)

4" Yellow - Type R

4" White - Type R
(10' Line, 30' Skip)

34.7' | +46 | +58 | +70

12' | 12.1' | 13.1' | 42'

113'

18th Ave S

Re-Establish
8IN White Pvmt Mk

Re-Establish
4IN Dbl Yellow Barrier Pvmt Mk

Sanford
South University
Medical Center

ONLY

R3-5R-30
R3-2-24
STA 1325+03

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Temporary Traffic Control

Phase 3B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	38

NHU-8-081(039)924

NOTES:
1. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Sanford 1717 Medical Building

R2-1-48
STA 1326+70
SPEED LIMIT 25

W3-5-48
STA 1328+20
SPEED LIMIT 25

W20-1-48
STA 1329+60
ROAD WORK AHEAD

M4-8-24
M3-2-24
Consign 3
M6-1L-21
STA 1332+40
DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
STA 1333+80
DETOUR
EAST
18 Ave S

University Dr S

1326 1327 1328 1329 1330

University Dr S

G20-2a-48
STA 1331+50
END ROAD WORK

R2-1-48
STA 1326+00
SPEED LIMIT 35

Essentia Health
South University Clinic

17th Ave S

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Temporary Traffic Control

Phase 3B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	39
		NHU-8-081(039)924		

13½ St S

University Dr S

18th Ave S

16th Ave S

17th Ave S

11th St S

M4-8-24
M3-2-24
Consign 3
M6-1L-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1R-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M6-1R-21

DETOUR
EAST
18 Ave S

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Temporary Traffic Control

Phase 3B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	40

NHU-8-081(039)924

24th Ave S

Oak Manor Ave

21st Ave S

University Dr S

R11-2-48
M4-10L-48
ROAD CLOSED
DETOUR

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1L-21

Interstate 94

DETOUR AHEAD
W20-2-48

ROAD CLOSED AHEAD
W20-3-48

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1R-21

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1L-21

11th St S

24th Ave S

21st Ave S

Park Dr S

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Temporary Traffic Control

Phase 3B

Business US 81 (University Drive)
21st Ave S to 21st Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	41
		NHU-8-081(039)924		

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Burger King

Taco Bell

Oak Manor Ave S

University Dr S

1296 1297 1298 1299 1300 1301

M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1R-21
STA 1298+72

DETOUR TO NORTH
University Dr

Type III Barricade (Typ.)

Tubular Marker (Typ.)

Frontage Road

ROAD WORK AHEAD
W20-1-48
STA 1293+45

SPEED LIMIT 25
W3-5-48
STA 1294+85

SPEED LIMIT 25
R2-1-48
STA 1296+25

PETRO SERVE
CONSIGN 2
STA 1297+00

RIGHT LANE MUST TURN RIGHT
R3-7R-48
STA 1300+00

Rodeway Inn

Randy's University Diner

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1R-21
STA 1299+55

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1L-21
STA 1300+50

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Temporary Traffic Control

Phase 3C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	42
		NHU-8-081(039)924		

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.

Precision Tune Auto Care

21st Ave S

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

G20-2a-48
STA 1300+65
END ROAD WORK

R2-1-48
STA 1301+40
SPEED LIMIT 35

R3-7R-48
STA 1302+45
RIGHT LANE MUST TURN RIGHT

University Dr S

1301 1302 1303 1304 1305 1306

+06 +41 +63 +07 +25

Delineator Drums @ 10' Spacing

Type III Barricade (Typ.)

Tubular Marker (Typ.)

R2-1-48
STA 1305+65
SPEED LIMIT 25

ROAD CLOSED
DETOUR
R11-2-48
M4-10L-48
STA 1302+68

E5-1-48
STA 1303+88
EXIT

EAST
INTERSTATE
NORTH DAKOTA
94
M3-2-24
M1-1-36
M6-2R-21
STA 1301+00

DO NOT ENTER
R5-1-48
STA 1302+39

Petro Serve USA

Delineator Drums @ 10' Spacing

21st Ave S

DETOUR
TO
NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1L-21
STA 1302+61
STA 1302+91

I-94 Eastbound Entrance Ramp

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Temporary Traffic Control

Phase 3C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	43

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Flexible Delineators are spaced 25 feet apart unless otherwise specified

EXISTING
EXIT

W1-4bL-48
STA 1308+10

I-94 Eastbound
Entrance Loop Ramp

University Dr S

+10
+33
+68
+85
+42

1306
1307
1308
1309
1310
1311

Flexible Delineator
(Typ.)

Barrel Attenuation
Device Type B

Delineator Drum
(Typ.)

Type III Barricade
(Typ.)

20
M.P.H.

W1-4bL-48
W13-1-24
STA 1306+40

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Temporary Traffic Control

Phase 3C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	44

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

Loaf 'N Jug

I-94 Westbound Entrance Ramp

W1-4bR-48
STA 1312+01

R10-6L-24
STA 1312+94
STA 1313+93
STOP HERE ON RED

E5-1-48
STA 1312+42
EXIT

Flexible Delineator (Typ.)

University Dr S

+68

+94

4IN White - Type R

Tubular Marker (Typ.)

+93

4IN White - Type R

Tubular Markers @ 10' Spacing

+91

+64

12'

+31

+67

+72

+90

+20

+38

+57

12'

+94

1311

1312

1313

1314

1315

1316

16'

+03

+92

24IN White - Type R

Delineator Drum (Typ.)

W1-4bR-48
STA 1310+69

I-94 Westbound Entrance Loop Ramp

I-94 Westbound Exit Ramp

20 M.P.H.

W1-4bR-48
W13-1-24
STA 1314+94

Noise Wall

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Temporary Traffic Control

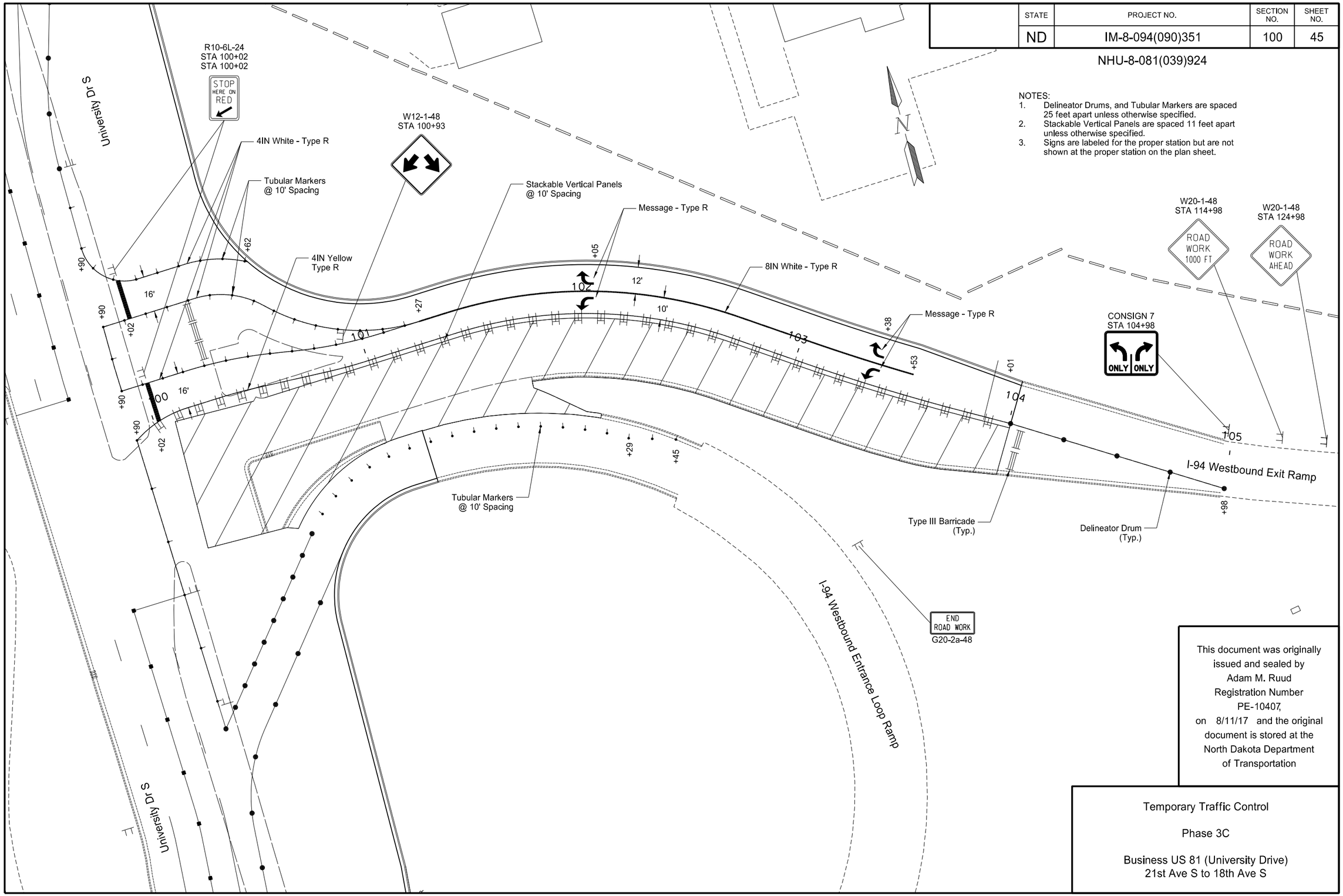
Phase 3C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	45

NHU-8-081(039)924

NOTES:
1. Delineator Drums, and Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Stackable Vertical Panels are spaced 11 feet apart unless otherwise specified.
3. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 3C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	46

NHU-8-081(039)924

Loaf 'N Jug

R3-5R-30
R3-2-24
STA 1315+74
STA 1316+53
STA 1317+30
STA 1318+15

ONLY

PRIVATE PROPERTY NO THRU TRAFFIC

Consign 5

Taco Shop

U.S. Bank Branch

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

R2-1-48
STA 1320+00

SPEED LIMIT 25

R3-5R-30
R3-2-24
STA 1320+38

ONLY

Tubular Markers @ 10' Spacing

Type III Barricade (Typ.)

Tubular Markers @ 10' Spacing

University Dr S

1316 1317 1318 1319 1320 1321

+75 +18 +13 +14

Tubular Markers @ 10' Spacing

+87 +13

University Dr S

+10 +05

Delineator Drum (Typ.)

+91

Nativity Church of Fargo

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Temporary Traffic Control

Phase 3C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	47

NHU-8-081(039)924

NOTES:
1. Tubular Markers are spaced 25 feet apart unless otherwise specified.

24" C&G

18th Ave S

R3-2-36
STA 1322+75

W1-4bR-48
STA 1325+55

Sanford 1717 Medical Building

Delineator Drum
(Typ.)

Type III Barricade
(Typ.)

University Dr S

+14

+98

+31

+55

1321

1322

1323

1324

1325

1326

Tubular Marker
(Typ.)

University Dr S

18th Ave S

Sanford
South University
Medical Center

ONLY

R3-5R-30
R3-2-24
STA 1325+03

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Temporary Traffic Control

Phase 3C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	48

NHU-8-081(039)924

NOTES:
1. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Sanford 1717 Medical Building

R2-1-48
STA 1326+70
SPEED LIMIT 25

W3-5-48
STA 1328+20
SPEED LIMIT 25

W20-1-48
STA 1329+60
ROAD WORK AHEAD

M4-8-24
M3-2-24
Consign 3
M6-1L-21
STA 1332+40
DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
STA 1333+80
DETOUR
EAST
18 Ave S

University Dr S

1326 1327 1328 1329 1330

University Dr S

G20-2a-48
STA 1331+50
END ROAD WORK

R2-1-48
STA 1326+00
SPEED LIMIT 35

17th Ave S

Essentia Health
South University Clinic

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Temporary Traffic Control

Phase 3C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	49
		NHU-8-081(039)924		

13½ St S

University Dr S

18th Ave S

16th Ave S

17th Ave S

11th St S

M4-8-24
M3-2-24
Consign 3
M6-1L-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1R-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M6-1R-21

DETOUR
EAST
18 Ave S

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Temporary Traffic Control

Phase 3C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	50

NHU-8-081(039)924

24th Ave S

Oak Manor Ave

21st Ave S

University Dr S

R11-2-48
M4-10L-48
ROAD CLOSED
DETOUR

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1L-21

Interstate 94

DETOUR AHEAD
W20-2-48

ROAD CLOSED AHEAD
W20-3-48

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1R-21

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1L-21

11th St S

24th Ave S

21st Ave S

Park Dr S

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Temporary Traffic Control

Phase 3C

Business US 81 (University Drive)
21st Ave S to 21st Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	51

NHU-8-081(039)924

17th Ave S

18th Ave S

21st Ave S

24th Ave S

25th Ave S

27th Ave S

32nd Ave S

25th St S

University Dr S

Interstate 94

N

M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1R-24

DETOUR TO NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M5-1R-24

DETOUR TO NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M5-1L-24

DETOUR TO NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1L-24

R11-2-48
ROAD CLOSED

W20-2-48
DETOUR AHEAD

DETOUR TO SOUTH
University Dr

M4-8-24
M4-5-24
M3-3-24
Consign 6
M6-1L-24

DETOUR TO NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1R-24

DETOUR TO SOUTH
University Dr

M4-8-24
M4-5-24
M3-3-24
Consign 6
M5-1L-24

DETOUR TO NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M5-1R-24

DETOUR TO SOUTH
University Dr

M4-8-24
M4-5-24
M3-3-24
Consign 6
M6-2R-24

DETOUR TO NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-2R-24

DETOUR TO SOUTH
University Dr

M4-8-24
M4-5-24
M3-3-24
Consign 6
M5-1R-24

DETOUR TO SOUTH
University Dr

M4-8-24
M4-5-24
M3-3-24
Consign 6
M6-1R-24

DETOUR TO SOUTH
University Dr

M4-8-24
M4-5-24
M3-3-24
Consign 6
M6-3-24

DETOUR TO NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-3-24

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Temporary Traffic Control

Phase 3C

Business US 81 (University Drive)
21st Ave S to 21st Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	52
		NHU-8-081(039)924		

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Burger King

Taco Bell

Oak Manor Ave S

University Dr S

University Dr S

Frontage Road

Rodeway Inn

Randy's University Diner

1296

1297

1298

1299

1300

1301

+10

M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1R-21
STA 1298+72

DETOUR TO NORTH
University Dr

Type III Barricade (Typ.)

Tubular Marker (Typ.)

ROAD WORK AHEAD
W20-1-48
STA 1293+45

SPEED LIMIT 25
W3-5-48
STA 1294+85

SPEED LIMIT 25
R2-1-48
STA 1296+25

PETRO SERVE
CONSIGN 2
STA 1297+00

RIGHT LANE MUST TURN RIGHT
R3-7R-48
STA 1300+00

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1R-21
STA 1299+55

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1L-21
STA 1300+50

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Temporary Traffic Control

Phase 3D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	53
	NHU-8-081(039)924		

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.

Precision Tune Auto Care

21st Ave S

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

G20-2a-48
STA 1300+65
END ROAD WORK

R2-1-48
STA 1301+40
SPEED LIMIT 35

R3-7R-48
STA 1302+45
RIGHT LANE MUST TURN RIGHT

University Dr S

1301 1302 1303 1304 1305 1306

+06 +41 +63 +07 +25

Delineator Drums @ 10' Spacing

Type III Barricade (Typ.)

Tubular Marker (Typ.)

R2-1-48
STA 1305+65
SPEED LIMIT 25

R11-2-48
M4-10L-48
STA 1302+68
ROAD CLOSED
DETOUR

E5-1-48
STA 1303+88
EXIT

M3-2-24
M1-1-36
M6-2R-21
STA 1301+00
EAST
INTERSTATE
NORTH DAKOTA
94

Petro Serve USA

R5-1-48
STA 1302+39
DO NOT ENTER

Delineator Drums @ 10' Spacing

21st Ave S

M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1L-21
STA 1302+61
STA 1302+91
DETOUR
TO
NORTH
University Dr

I-94 Eastbound Entrance Ramp

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Temporary Traffic Control

Phase 3D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	54

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Flexible Delineators are spaced 25 feet apart unless otherwise specified

EXISTING
EXIT

W1-4bL-48
STA 1308+10

I-94 Eastbound
Entrance Loop Ramp

University Dr S

Flexible Delineator
(Typ.)

+10
+33
+68
+85
+42

1306
1307
1308
1309
1310
1311

Barrel Attenuation
Device Type B

Delineator Drum
(Typ.)

Type III Barricade
(Typ.)

20
M.P.H.

W1-4bL-48
W13-1-24
STA 1306+40

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Temporary Traffic Control

Phase 3D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	55

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

I-94 Westbound Entrance Ramp

W1-4bR-48
STA 1312+01

R10-6L-24
STA 1312+94
STA 1313+93
STOP HERE ON RED

E5-1-48
STA 1312+42
EXIT

Loaf 'N Jug

Flexible Delineator (Typ.)

University Dr S

Tubular Markers @ 10' Spacing

+68 +94 +93 +64 +95 +31 +37 +42 +56 +20

1311 1312 1313 1314 1315 1316

12' 16' 12' 16' 12'

Tubular Markers @ 10' Spacing

Delineator Drum (Typ.)

+03 +92

I-94 Westbound Entrance Loop Ramp

I-94 Westbound Exit Ramp

W1-4bR-48
STA 1310+69

20 M.P.H.
W1-4bR-48
W13-1-24
STA 1314+94

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Temporary Traffic Control

Phase 3D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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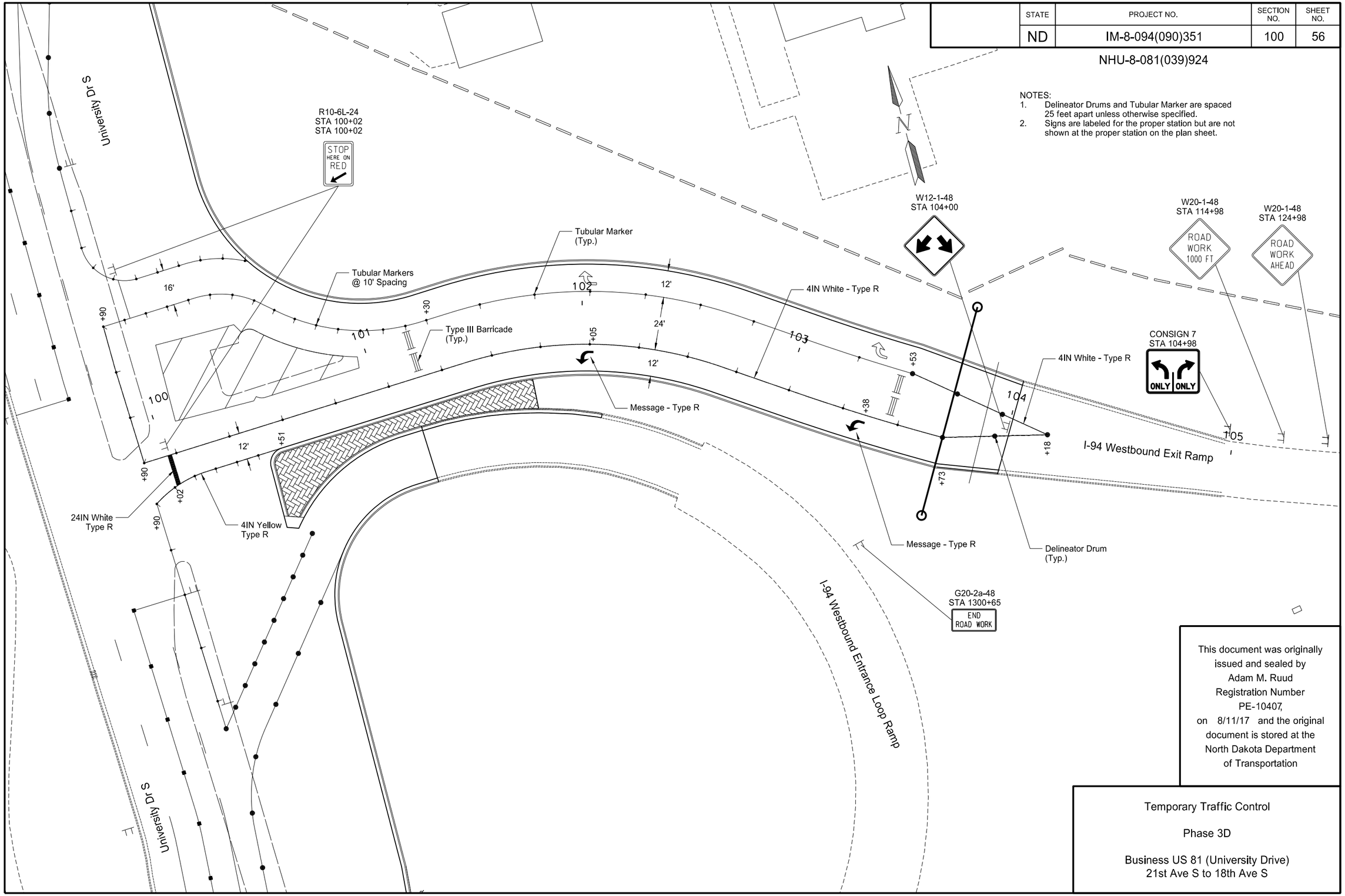
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	56

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Marker are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 3D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	57

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

Loaf 'N Jug

R3-5R-30
R3-2-24
STA 1315+74
STA 1316+53
STA 1317+30
STA 1318+15

PRIVATE PROPERTY NO THRU TRAFFIC
Consign 5

Taco Shop

U.S. Bank Branch

R2-1-48
STA 1320+00
SPEED LIMIT 25

R3-5R-30
R3-2-24
STA 1320+38

Tubular Markers @ 10' Spacing

University Dr S

1316 1317 1318 1319 1320 1321

+75 +18 +13 +87 +13 +14 +10 +91 +05

Type III Barricade (Typ.)

Delineator Drum (Typ.)

Tubular Markers @ 10' Spacing

Nativity Church of Fargo

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Temporary Traffic Control

Phase 3D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	58

NHU-8-081(039)924

NOTES:
1. Tubular Markers are spaced 25 feet apart unless otherwise specified.

24" C&G

18th Ave S

R3-2-36
STA 1322+75

W1-4bR-48
STA 1325+55

Sanford 1717 Medical Building

Delineator Drum
(Typ.)

University Dr S

+14 +98 +31 +55 +05

1321 1322 1323 1324 1325 1326

Type III Barricade
(Typ.)

Tubular Marker
(Typ.)

University Dr S

18th Ave S

Sanford
South University
Medical Center

ONLY

R3-5R-30
R3-2-24
STA 1325+03

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Temporary Traffic Control

Phase 3D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	59

NHU-8-081(039)924

NOTES:
1. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Sanford 1717 Medical Building

R2-1-48
STA 1326+70
SPEED LIMIT 25

W3-5-48
STA 1328+20
SPEED LIMIT 25

W20-1-48
STA 1329+60
ROAD WORK AHEAD

M4-8-24
M3-2-24
Consign 3
M6-1L-21
STA 1332+40
DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
STA 1333+80
DETOUR
EAST
18 Ave S

University Dr S

1326 1327 1328 1329 1330

University Dr S

G20-2a-48
STA 1331+50
END ROAD WORK

R2-1-48
STA 1326+00
SPEED LIMIT 35

Essentia Health
South University Clinic

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Temporary Traffic Control

Phase 3D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	60
		NHU-8-081(039)924		

13½ St S

University Dr S

18th Ave S

16th Ave S

17th Ave S

11th St S

M4-8-24
M3-2-24
Consign 3
M6-1L-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1R-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M6-1R-21

DETOUR
EAST
18 Ave S

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Temporary Traffic Control

Phase 3D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	61

NHU-8-081(039)924

24th Ave S

Oak Manor Ave

21st Ave S

University Dr S

R11-2-48
M4-10L-48
ROAD CLOSED
DETOUR

DETOUR
TO
NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1L-21

Interstate 94

DETOUR AHEAD
W20-2-48

ROAD CLOSED AHEAD
W20-3-48

DETOUR
TO
NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1R-21

DETOUR
TO
NORTH
University Dr

M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1L-21

11th St S

24th Ave S

21st Ave S

Park Dr S

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Temporary Traffic Control

Phase 3D

Business US 81 (University Drive)
21st Ave S to 21st Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	62

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Burger King

Taco Bell

Oak Manor Ave S

University Dr S

1296 1297 1298

1299 1300 1301

12.3'

12'

12'

12'

+19

4IN White - Type R
(10' Line, 30' Skip)

Frontage Road

ROAD WORK AHEAD
W20-1-48
STA 1293+45

SPEED LIMIT 25
W3-5-48
STA 1294+85

SPEED LIMIT 25
R2-1-48
STA 1296+25

LEFT LANE CLOSED AHEAD
W20-5L-48
STA 1299+30

W4-2L-48
STA 1300+70

Rodeway Inn

Randy's University Diner

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Temporary Traffic Control

Phase 4A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	63

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified

Precision Tune Auto Care

21st Ave S

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

G20-2a-48
STA 1300+65
END ROAD WORK

R2-1-48
STA 1301+40
SPEED LIMIT 35

SEQUENCING ARROW PANEL TYPE C
STA 1303+50

University Dr S

Type III Barricade (Typ.)

1301 1302 1303 1304 1305 1306

+80 +49 +05 +65 +62 +98

4IN White - Type R (10' Line, 30' Skip)

4IN Yellow - Type R

Delineator Drum (Typ.)

Tubular Marker (Typ.)

University Dr S

4IN Yellow - Type R

I-94 Eastbound Entrance Ramp

Petro Serve USA

21st Ave S

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Temporary Traffic Control

Phase 4A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	64

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified

EXISTING

EXIT

I-94 Eastbound Entrance Loop Ramp

+34 — 57' Obliterate Pvmt Mk 80 SF - 8IN Line — +91

4IN White - Type R

Delineator Drum (Typ.)

University Dr S

4IN Dbl Yellow Barrier - Type R

Flexible Delineator (Typ.)

+27 +10 +58

1306 1307 1308 1309 1310 1311

+62 +98 +15 +05 +52

11.7' 12' 11.6' 12.5' 12' 12.6'

4IN Yellow - Type R

University Dr S

Type III Barricade (Typ.)

Tubular Marker (Typ.)

Re-establish Existing 4IN White Pvmt Mk (10' Line, 30' Skip)

Barrel Attenuation Device Type B

4IN White - Type R

4IN White Permanent Pvmt Mk (10' Line, 30' Skip)

SPEED LIMIT 25

R2-1-48
STA 1306+90

20 M.P.H.

W1-3R-48
W13-1-24
STA 1310+20

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Temporary Traffic Control

Phase 4A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	65

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

I-94 Westbound Entrance Ramp

Loaf 'N Jug

W1-6R-48
STA 1314+41

Phase 4A Work Zone
Install Temp Pavement
(4" HMA, 12" Salvaged Base Course)

Phase 4A Work Zone

CB

University Dr S

4IN White - Type R

4IN Yellow Dbl Barrier - Type R

Flexible Delineator
(Typ.)

Tubular Markers
@ 10' Spacing

Type III Barricade
(Typ.)

4IN White - Type R

24IN White - Type R

Tubular Marker
(Typ.)

Delineator Drum
(Typ.)

4" Yellow - Type R

4" Dbl Yellow Barrier - Type R

4IN White
Permanent Pvmt Mk
(10' Line, 30' Skip)

Message
Permanent Pvmt Mk

8IN White
Permanent Pvmt Mk

24IN White
Permanent Pvmt Mk

4IN White
Permanent Pvmt Mk
(10' Line, 30' Skip)

1311 1312 1313 1314 1315 1316

+38 +05 +99 +16 +79 +74 +71 +63 +11 +30

12' 11'

I-94 Westbound Entrance Loop Ramp

I-94 Westbound Exit Ramp

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Temporary Traffic Control

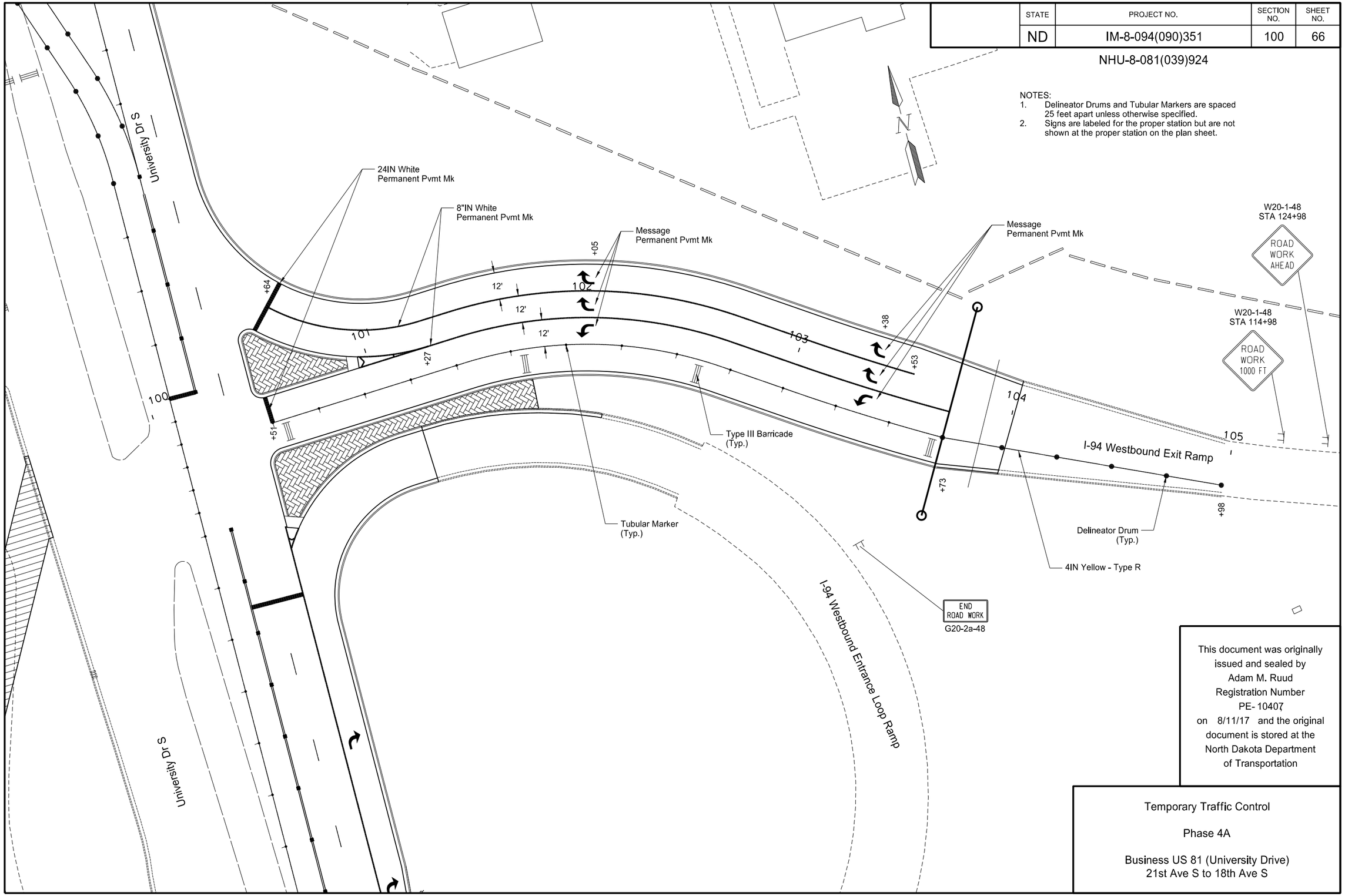
Phase 4A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	66

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 4A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	67

NHU-8-081(039)924

NOTES:
1. Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

W21-5bL-48
STA 316+00

LEFT SHOULDER CLOSED AHEAD

316
317
318
319
320
321

I-94 Westbound Entrance Ramp

18'
24.5'
20.5'
18'

Phase 4A Work Zone
Install Temp Pavement
(4" HMA, 12" Salvaged Base Course)

Aggregate Base
For Attenuation Device

University Dr S

+51

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Temporary Traffic Control

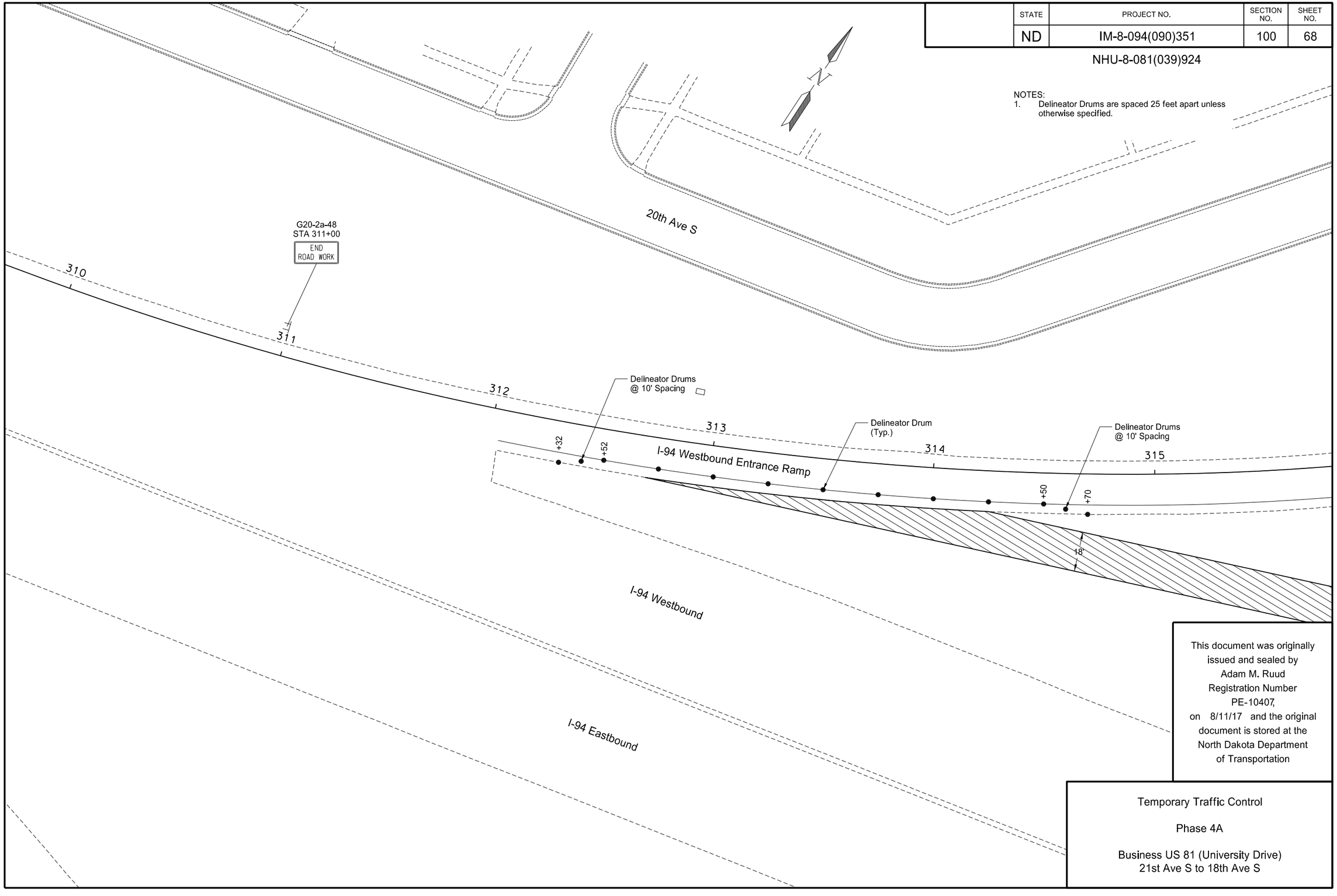
Phase 4A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	68

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.



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Temporary Traffic Control

Phase 4A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	69
		NHU-8-081(039)924		

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.

Loaf 'N Jug

PRIVATE PROPERTY NO THRU TRAFFIC
Consign 5

Taco Shop

U.S. Bank Branch

E5-1-48
STA 1316+54
EXIT

R3-5R-30
R3-2-24
STA 1317+30
ONLY

R3-5R-30
R3-2-24
STA 1318+15
ONLY

R3-7R-48
STA 1319+00
RIGHT LANE MUST TURN RIGHT

R2-1-48
STA 1320+00
SPEED LIMIT 25

R3-5R-30
R3-2-24
STA 1320+38
ONLY

Type III Barricade (Typ.)

4IN White - Type R

Tubular Markers @ 10' Spacing

University Dr S

1316 1317 1318 1319 1320 1321

+05 +75 +18 +13 +14 +37 +10 +87 +63 +55 +05

10.2' 11' 11' 11' 11' 11.2' 12' 11.3' 11.2'

4" Yellow - Type R

Delineator Drum (Typ.)

Tubular Markers @ 10' Spacing

4" White - Type R

4IN White
Permanent Pvmt Mk
(10' Line, 30' Skip)

20 M.P.H.
W1-3L-48
W13-1-24
STA 1317+05

M3-3-24 SOUTH
CONSIGN 6 University Dr
M6-2L-21

WEST INTERSTATE NORTH DAKOTA 94
M3-4-24
M1-1-36
M6-2R-21
STA 1317+80

Nativity Church of Fargo

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Temporary Traffic Control

Phase 4A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	70

NHU-8-081(039)924

NOTES:
1. Tubular Markers are spaced 25 feet apart unless otherwise specified.

18th Ave S

R3-2-36
STA 1322+75

W1-4bR-48
STA 1325+55

Sanford 1717 Medical Building

University Dr S

+14
1321
+05
+98
1322
1323
1324
+31
1325
+55
1326

Tubular Marker (Typ.)

University Dr S

Type III Barricade (Typ.)

18th Ave S

Sanford
South University
Medical Center

ONLY
R3-5R-30
R3-2-24
STA 1325+03

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Temporary Traffic Control

Phase 4A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	71

NHU-8-081(039)924

NOTES:
1. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Sanford 1717 Medical Building

R2-1-48
STA 1326+70
SPEED LIMIT 25

W3-5-48
STA 1328+20
SPEED LIMIT 25

W20-1-48
STA 1329+60
ROAD WORK AHEAD

M4-8-24
M3-2-24
Consign 3
M6-1L-21
STA 1332+40
DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
STA 1333+80
DETOUR
EAST
18 Ave S

University Dr S

1326 1327 1328 1329 1330

University Dr S

G20-2a-48
STA 1331+50
END ROAD WORK

R2-1-48
STA 1326+00
SPEED LIMIT 35

Essentia Health
South University Clinic

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Temporary Traffic Control

Phase 4A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	72
		NHU-8-081(039)924		

13½ St S

University Dr S

18th Ave S

16th Ave S

17th Ave S

11th St S

M4-8-24
M3-2-24
Consign 3
M6-1L-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1R-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M6-1R-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M6-1L-21

DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21

DETOUR
EAST
18 Ave S

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Temporary Traffic Control

Phase 4A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	73

NHU-8-081(039)924

R9-9-24
W16-9P-24
SIDEWALK CLOSED
AHEAD

R9-9-24
M4-10(R)-48
SIDEWALK CLOSED
DETOUR

M4-9(L)-30
DETOUR

R9-9-24
SIDEWALK CLOSED

R9-9-24
SIDEWALK CLOSED

13½ St S

R9-9-24
M4-10(L)-48
SIDEWALK CLOSED
DETOUR

M4-9(R)-30
DETOUR

R9-9-24
W16-9P-24
SIDEWALK CLOSED
AHEAD

16th Ave S

University Dr S

DETOUR
M4-9(L)-30

DETOUR
M4-9(R)-30

DETOUR
M4-9(L)-30

DETOUR
M4-9(R)-30

18th Ave S

SIDEWALK CLOSED
AHEAD
R9-9-24
W16-9P-24

17th Ave S

11th St S

11th St S

M4-9(R)-30
DETOUR

10th St S

S Dr S

M4-9(L)-30
DETOUR

M4-9(R)-30
DETOUR

10th St S

M4-9(L)-30
DETOUR

M4-9(R)-30
DETOUR

Pedestrian Detour Route

9th St S

9th St S

DETOUR
M4-9(L)-30

DETOUR
M4-9(R)-30

DETOUR
M4-9(L)-30

8th St S

24th Ave S

21st Ave S

Park Dr S

Interstate 94

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Temporary Traffic Control

Phase 4A Pedestrian Detour

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	74

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Burger King

Taco Bell

Oak Manor Ave S

University Dr S

1296 1297 1298

1299 1300 1301

Frontage Road

ROAD WORK AHEAD
W20-1-48
STA 1293+45

SPEED LIMIT 25
W3-5-48
STA 1294+85

SPEED LIMIT 25
R2-1-48
STA 1296+25

LEFT LANE CLOSED AHEAD
W20-5L-48
STA 1299+30

W4-2L-48
STA 1300+70

Rodeway Inn

Randy's University Diner

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Temporary Traffic Control

Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	75
	NHU-8-081(039)924		

Precision Tune Auto Care

21st Ave S

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

G20-2a-48
STA 1300+65
END ROAD WORK

R2-1-48
STA 1301+40
SPEED LIMIT 35

SEQUENCING ARROW PANEL TYPE C
STA 1303+50

Type III Barricade (Typ.)

Delineator Drum (Typ.)

Tubular Marker (Typ.)

University Dr S

1301 1302 1303 1304 1305 1306

+80 +05 +65 +62 +98

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified

Petro Serve USA

21st Ave S

I-94 Eastbound Entrance Ramp

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Temporary Traffic Control

Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	76

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

EXISTING

EXIT

Re-Establish Existing
4IN White Pvmt Mk
(10' Line, 30' Skip)

Re-Establish Existing
Message Pvmt Mk

4" Yellow - Type R

Re-Establish Existing
8IN White Pvmt Mk

+25 +85 +14 +04 +39 +24 +35 +85 +27 +10 +55 +98 +62 +98

12' 12' 12' 11.9' 12' 12.2' 12'

University Dr S

University Dr S

Delineator Drum
(Typ.)

4IN White - Type R

Type III Barricade
(Typ.)

1306 1307 1308 1309 1310 1311

Tubular Marker
(Typ.)

4IN Yellow - Type R

Barrel Attenuation
Device Type B

SPEED LIMIT 25

R2-1-48
STA 1306+90

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Temporary Traffic Control

Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	77

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, Flexible Delineators, and Type A Delineators are spaced 25 feet apart unless otherwise specified.

Loaf 'N Jug

Jersey Barrier

Type A White Delineator @ 25' Spacing

W1-4bR-48
W13-1-24
STA 1311+52

15 M.P.H.

Barrel Attenuation Device Type B

Type A Yellow Delineator @ 25' Spacing

E5-1-48
STA 1314+62

EXIT

Install Safety Fence

4" White - Type R

4IN Yellow - Type R

4IN White - Type R

University Dr S

Tubular Marker (Typ.)

Delineator Drums @ 10' Spacing

12'

1311

1312

1313

1314

1315

1316

+49

+99

+16

+44

+71

+88

14'

Tubular Markers @ 10' Spacing

24IN White - Type R

Flexible Delineator (Typ.)

4" Yellow - Type R

4IN Dbl Yellow Barrier - Type R

12'

187'
Obliterate Pvmt Mk
20 SF - 4IN Line

+79

+66

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Temporary Traffic Control

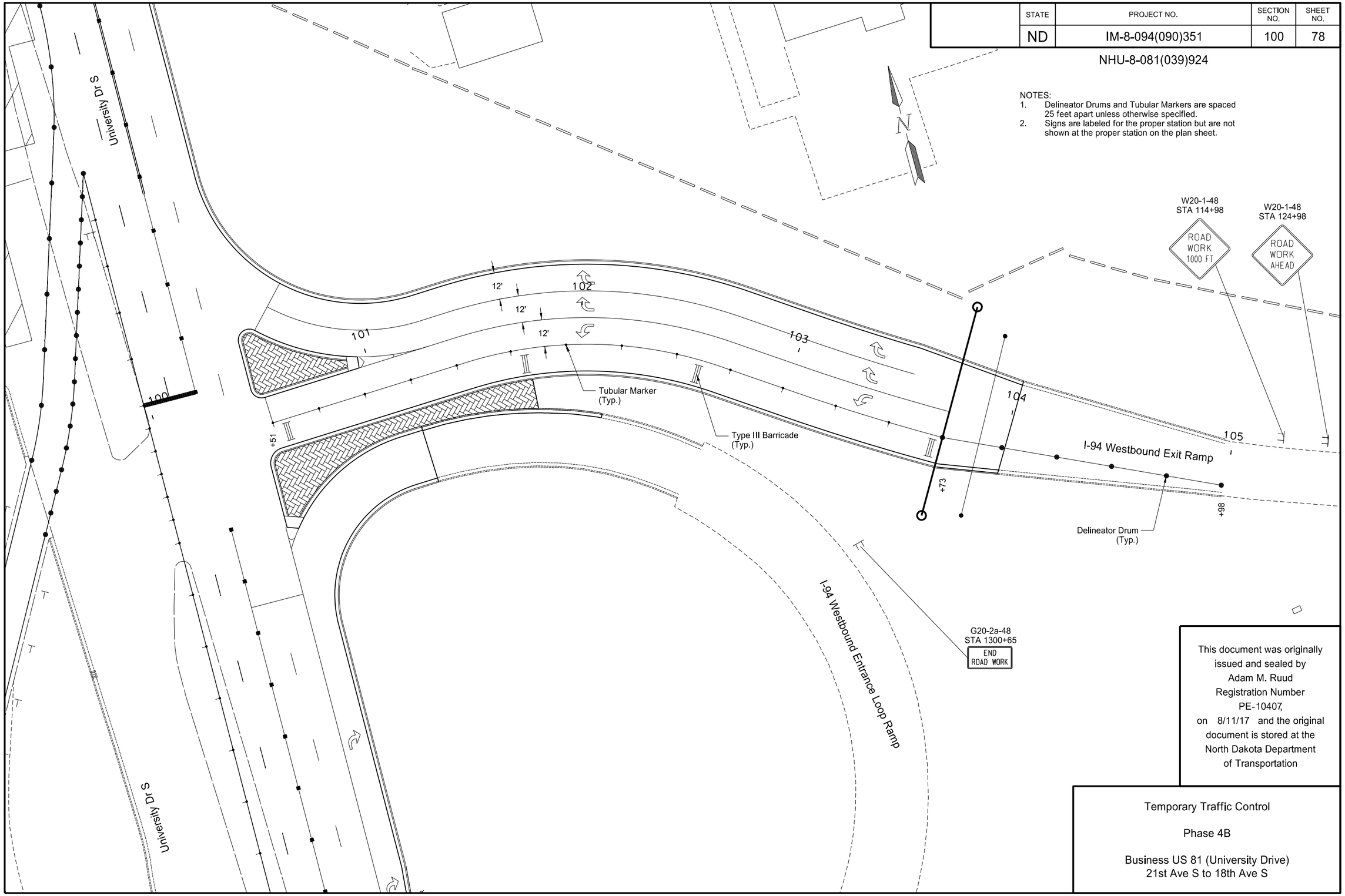
Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	78

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

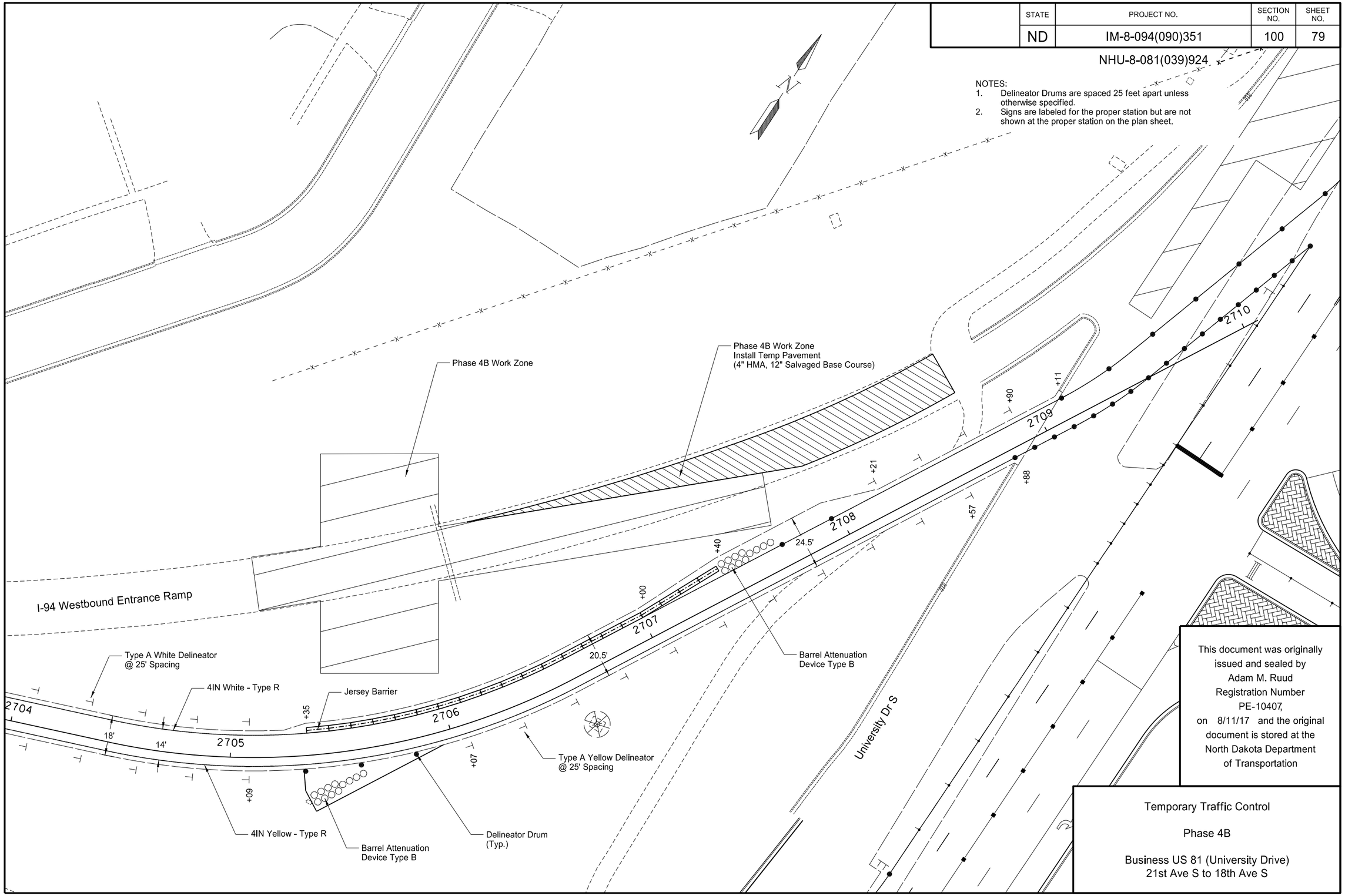
Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	79

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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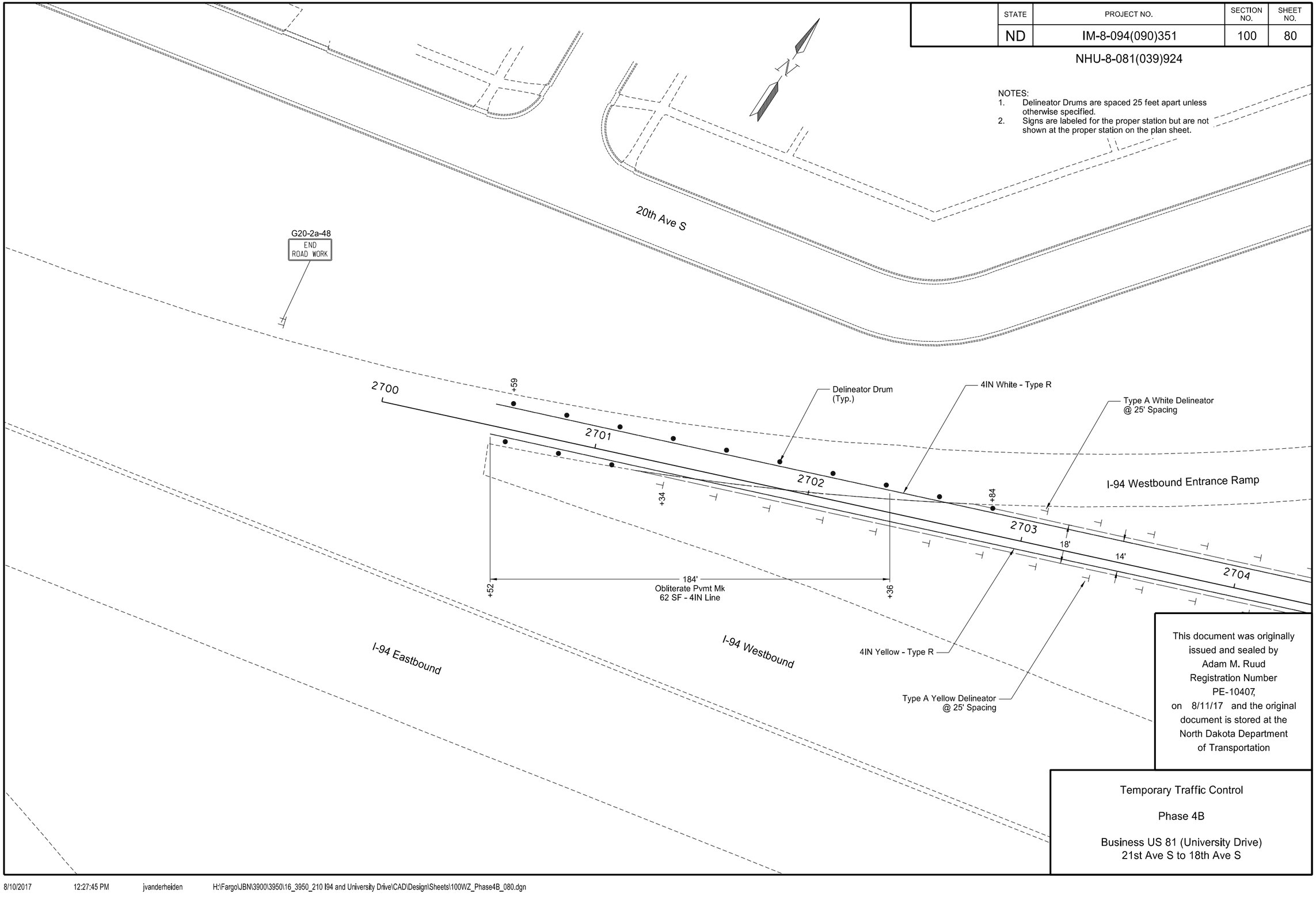
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	80

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	81

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

Loaf 'N Jug

PRIVATE PROPERTY NO THRU TRAFFIC
Consign 5

Taco Shop

U.S. Bank Branch

R3-5R-30
R3-2-24
STA 1317+16

R1-1-48
STA 1317+21
STOP

Maintain access to the Loaf 'N Jug and Taco Shop from University throughout Phase 4B. See plan notes for requirements.

Install Safety Fence

R11-2a-48
STA 1320+59
ROAD CLOSED

1316 1317 1318 1319 1320 1321

+03 +33 +73 +04 +28 +05 +14

Delineator Drums @ 10' Spacing

4IN White - Type R

4IN Dbl Yellow Barrier - Type R

12' 11.7' 11.7' 11.4'

12' 11' 11' 11.3'

University Dr S

Flexible Delineator 10' Spacing

Flexible Delineator (Typ.)

Tubular Marker (Typ.)

SPEED LIMIT 25
R2-1-48
STA 1320+50

R3-2-36
STA 1315+63
STA 1316+45
STA 1317+21
STA 1318+08

R3-2-36
STA 1319+40

DETOUR
WEST
18 Ave S
M4-8-24
M3-4-24
Consign 3
M6-3-21
STA 1320+15

Nativity Church of Fargo

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Temporary Traffic Control

Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	82

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station/offset but are not shown at the proper station/offset on the plan sheet.

ROAD WORK AHEAD
W20-1-48
STA 1321+25
OFFSET: 275' Lt

SPEED LIMIT 25
W3-5-48
STA 1321+25
OFFSET: 200' Lt

SPEED LIMIT 25
R2-1-48
STA 1321+25
OFFSET: 125' Lt

18th Ave S

12' Lanes

Flexible Delineators @ 10' Spacing

+31

+68

30'

12'

11'

11'

Delineator Drum 10' Spacing

4IN White - Type R

Delineator Drums @ 10' Spacing

+01

1321

8IN White - Type R

Message - Type R

Delineator Drum (Typ.)

+08

+49

+84

+99

12'

1322

1323

4IN White - Type R (10' Line, 30' Skip)

1324

12'

12'

12'

11.3'

24IN White - Type R

+98

University Dr S

CONSIGN 8
STA 1323+95

ONLY ONLY ONLY

+95

167'
Obliterate Pvmt Mk
91 SF - 4IN Line

+62

W1-4bR-48
STA 1325+55

Sanford 1717 Medical Building

University Dr S

4IN White - Type R

+48

1325

1326

+08

+85

Tubular Marker (Typ.)

4IN Yellow - Type R

Flexible Delineator (Typ.)

4IN Dbl Yellow Barrier - Type R

SPEED LIMIT 25
R2-1-48
STA 1321+75
OFFSET: 100' Rt

SPEED LIMIT 25
W3-5-48
STA 1321+75
OFFSET: 175' Rt

ROAD WORK AHEAD
W20-1-48
STA 1321+75
OFFSET: 250' Rt

18th Ave S

Sanford
South University
Medical Center

ONLY

R3-5R-30
R3-2-24
STA 1325+03

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Temporary Traffic Control

Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	83

NHU-8-081(039)924

NOTES:
1. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Sanford 1717 Medical Building

R2-1-48
STA 1326+70
SPEED LIMIT 25

W3-5-48
STA 1328+20
SPEED LIMIT 25

W20-1-48
STA 1329+60
ROAD WORK AHEAD

M4-8-24
M3-2-24
Consign 3
M6-1L-21
STA 1332+40
DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
STA 1333+80
DETOUR
EAST
18 Ave S

University Dr S

1326 1327 1328 1329 1330

University Dr S

G20-2a-48
STA 1331+50
END ROAD WORK

R2-1-48
STA 1326+00
SPEED LIMIT 35

M4-8-24
M3-4-24
Consign 3
M5-1L-21
STA 1327+50
DETOUR
WEST
18 Ave S

M4-8-24
M3-4-24
Consign 3
M6-1L-21
STA 1328+90
DETOUR
WEST
18 Ave S

Essentia Health
South University Clinic

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Temporary Traffic Control

Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	84
		NHU-8-081(039)924		

13½ St S

DETOUR WEST 18 Ave S →
M4-8-24
M3-4-24
Consign 3
M6-1R-21

DETOUR WEST 18 Ave S ↱
M4-8-24
M3-4-24
Consign 3
M5-1R-21

DETOUR WEST 18 Ave S ↰
M4-8-24
M3-4-24
Consign 3
M5-1L-21

DETOUR WEST 18 Ave S ←
M4-8-24
M3-4-24
Consign 3
M6-1L-21

M4-8-24
M3-4-24
Consign 3
M6-1L-21
DETOUR EAST 18 Ave S ←

M4-8-24
M3-2-24
Consign 3
M5-1L-21
DETOUR EAST 18 Ave S ↰

16th Ave S

University Dr S

DETOUR WEST 18 Ave S ↑
M4-8-24
M3-4-24
Consign 3
M6-3-21

18th Ave S

DETOUR WEST 18 Ave S ↰
M4-8-24
M3-4-24
Consign 3
M5-1L-21

DETOUR WEST 18 Ave S ←
M4-8-24
M3-4-24
Consign 3
M6-1L-21

M4-8-24
M3-2-24
Consign 3
M6-1L-21
DETOUR EAST 18 Ave S ←

M4-8-24
M3-2-24
Consign 3
M5-1L-21
DETOUR EAST 18 Ave S ↰

11th St S

17th Ave S

M4-8-24
M3-2-24
Consign 3
M5-1R-21
DETOUR EAST 18 Ave S ↱

M4-8-24
M3-2-24
Consign 3
M6-1R-21
DETOUR EAST 18 Ave S →

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Temporary Traffic Control

Phase 4B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	85

NHU-8-081(039)924

R9-9-24
W16-9P-24
SIDEWALK CLOSED
AHEAD

R9-9-24
M4-10(R)-48
SIDEWALK CLOSED
DETOUR

M4-9(L)-30
DETOUR

R9-9-24
SIDEWALK CLOSED

R9-9-24
SIDEWALK CLOSED

13½ St S

R9-9-24
M4-10(L)-48
SIDEWALK CLOSED
DETOUR

M4-9(R)-30
DETOUR

R9-9-24
W16-9P-24
SIDEWALK CLOSED
AHEAD

16th Ave S

University Dr S

DETOUR
M4-9(L)-30

DETOUR
M4-9(R)-30

DETOUR
M4-9(L)-30

DETOUR
M4-9(R)-30

18th Ave S

SIDEWALK CLOSED
AHEAD
R9-9-24
W16-9P-24

17th Ave S

11th St S

11th St S

M4-9(R)-30
DETOUR

10th St S

S Dr S

M4-9(L)-30
DETOUR

M4-9(R)-30
DETOUR

10th St S

M4-9(L)-30
DETOUR

M4-9(R)-30
DETOUR

Pedestrian Detour Route

9th St S

9th St S

DETOUR
M4-9(L)-30

DETOUR
M4-9(R)-30

DETOUR
M4-9(L)-30

8th St S

24th Ave S

21st Ave S

Park Dr S

Interstate 94

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Temporary Traffic Control

Phase 4B Pedestrian Detour

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	86

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Burger King

Taco Bell

1296 1297 1298 1299 1300 1301

ROAD WORK AHEAD
W20-1-48
STA 1293+45

SPEED LIMIT 25
W3-5-48
STA 1294+85

SPEED LIMIT 25
R2-1-48
STA 1296+25

LEFT LANE CLOSED AHEAD
W20-5L-48
STA 1299+30

W4-2L-48
STA 1300+70

Rodeway Inn

Randy's University Diner

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Temporary Traffic Control

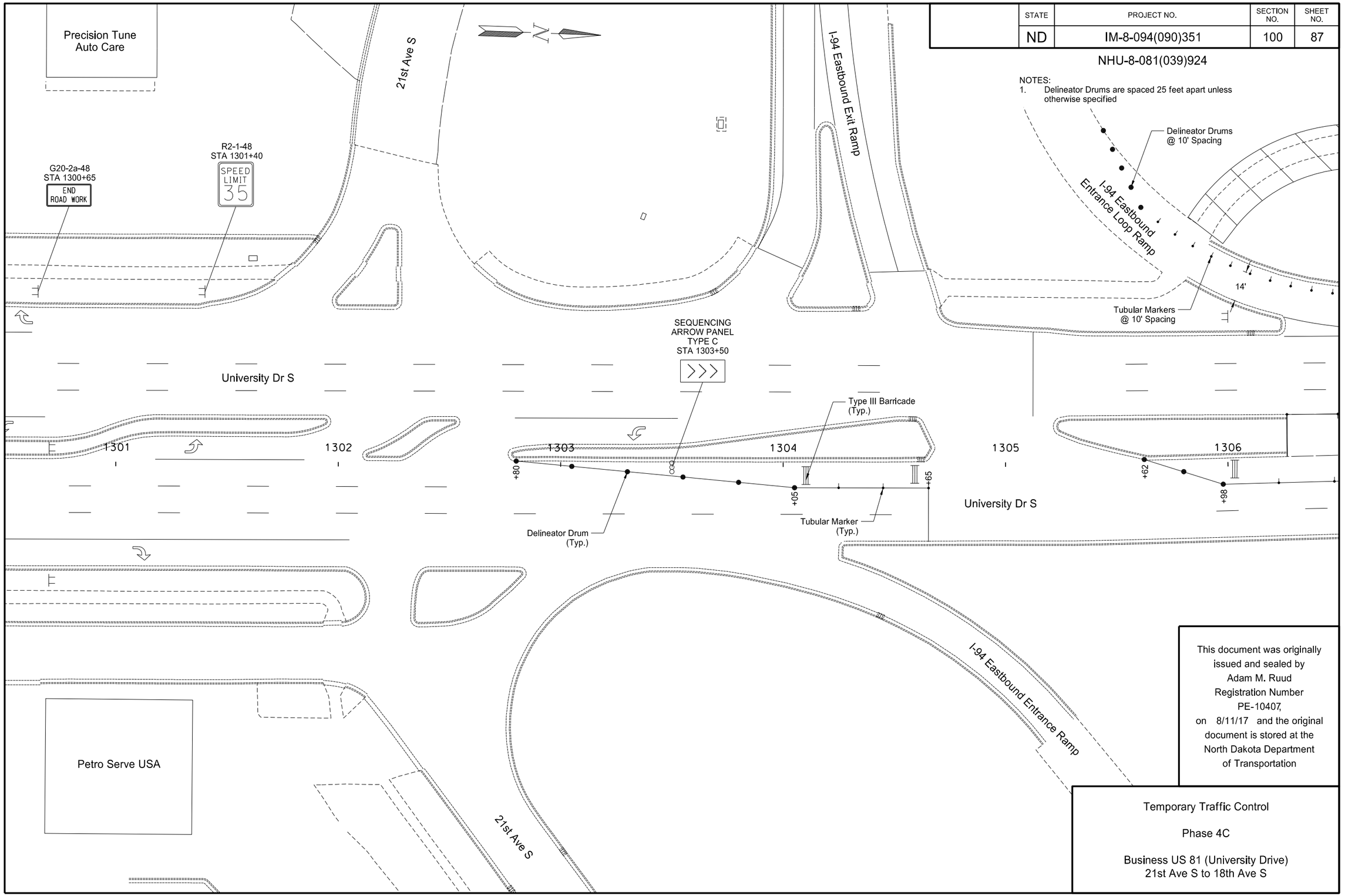
Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	87

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified



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Temporary Traffic Control

Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	88

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified

EXISTING

EXIT

Phase 4C Work Zone

Tubular Markers
@ 10' Spacing

14'

+55

+80

+39

+35

+85

University Dr S

Delineator Drum
(Typ.)

+27

+55

1306

1307

1308

1309

1310

1311

+62

+98

University Dr S

Type III Barricade
(Typ.)

Tubular Marker
(Typ.)

SPEED LIMIT 25

R2-1-48
STA 1306+90

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Temporary Traffic Control

Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	89

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Marker, Flexible Delineators, and Type A Delineators are spaced 25 feet apart unless otherwise specified.

4IN White - Type R

Type A White Delineator (Typ.)

Tubular Markers @ 10' Spacing

4IN Yellow - Type R

W1-4bR-48
W13-1-24
STA 1311+52

15 M.P.H.

4IN White - Type R

University Dr S

+10

+76

Delineator Drum (Typ.)

1311 1312 1313 1314 1315 1316

+49 +16 +79 +88 +66

Tubular Markers @ 10' Spacing

Tubular Marker (Typ.)

4IN White - Type R

Flexible Delineator (Typ.)

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Temporary Traffic Control

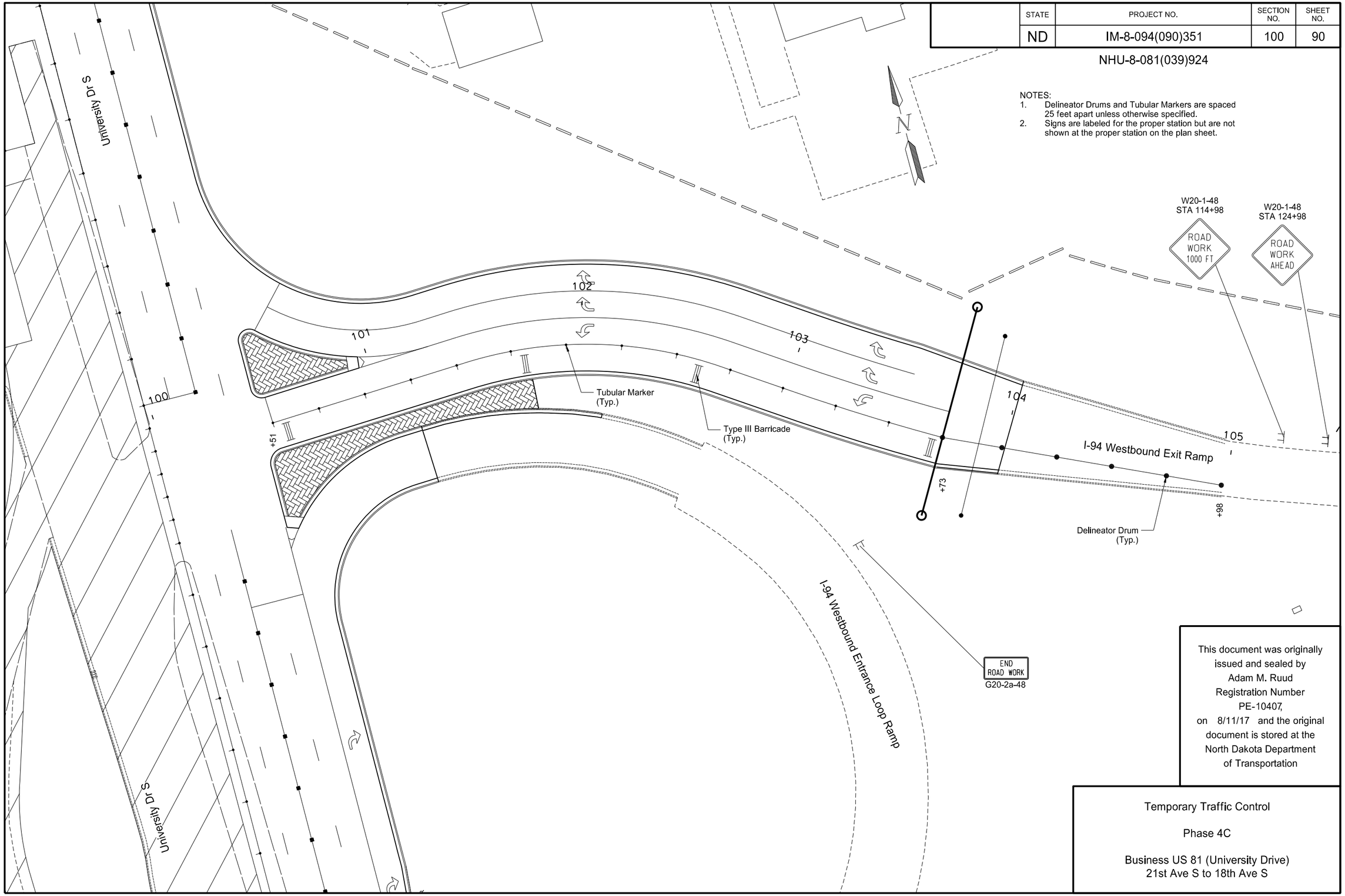
Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	90

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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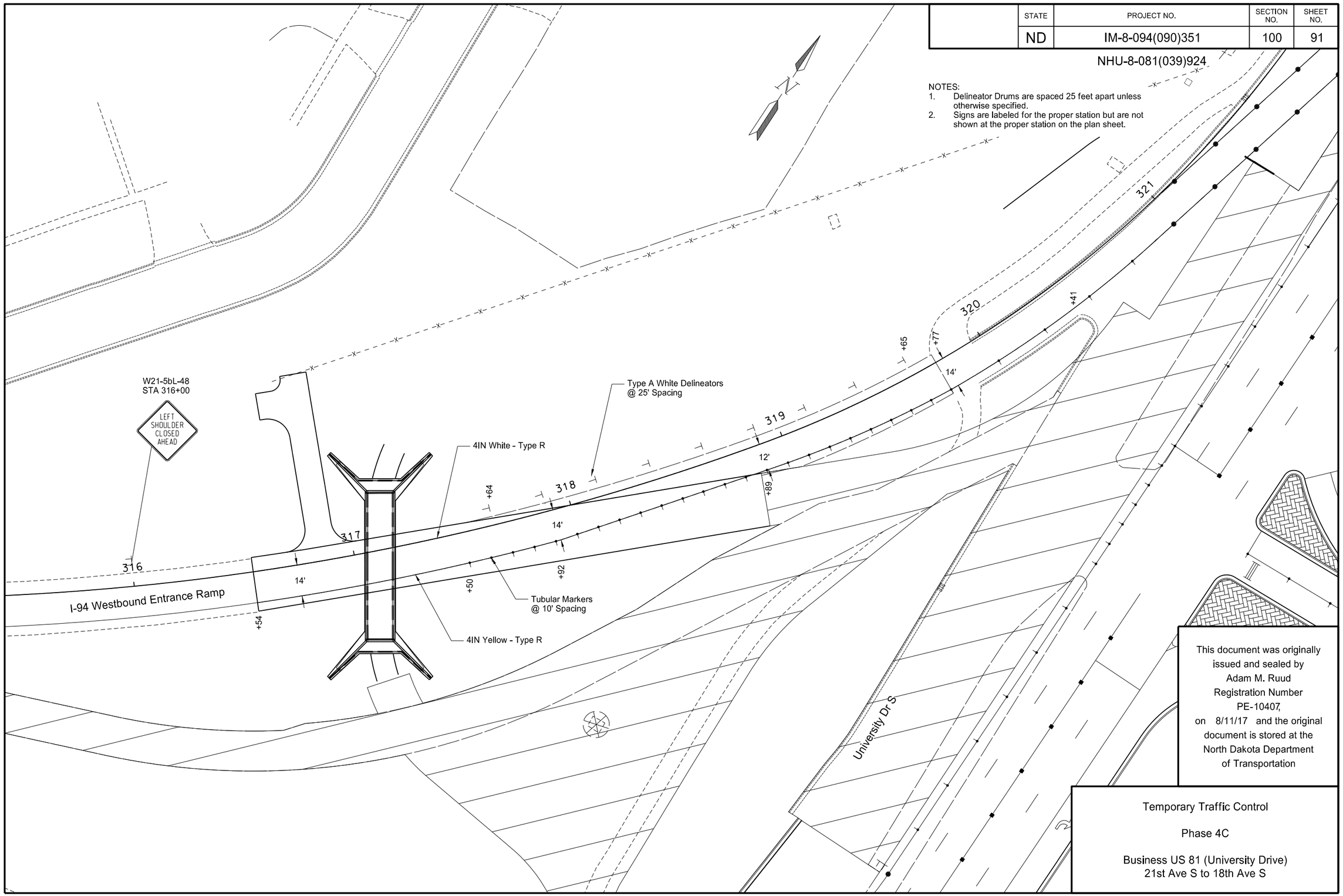
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	91

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

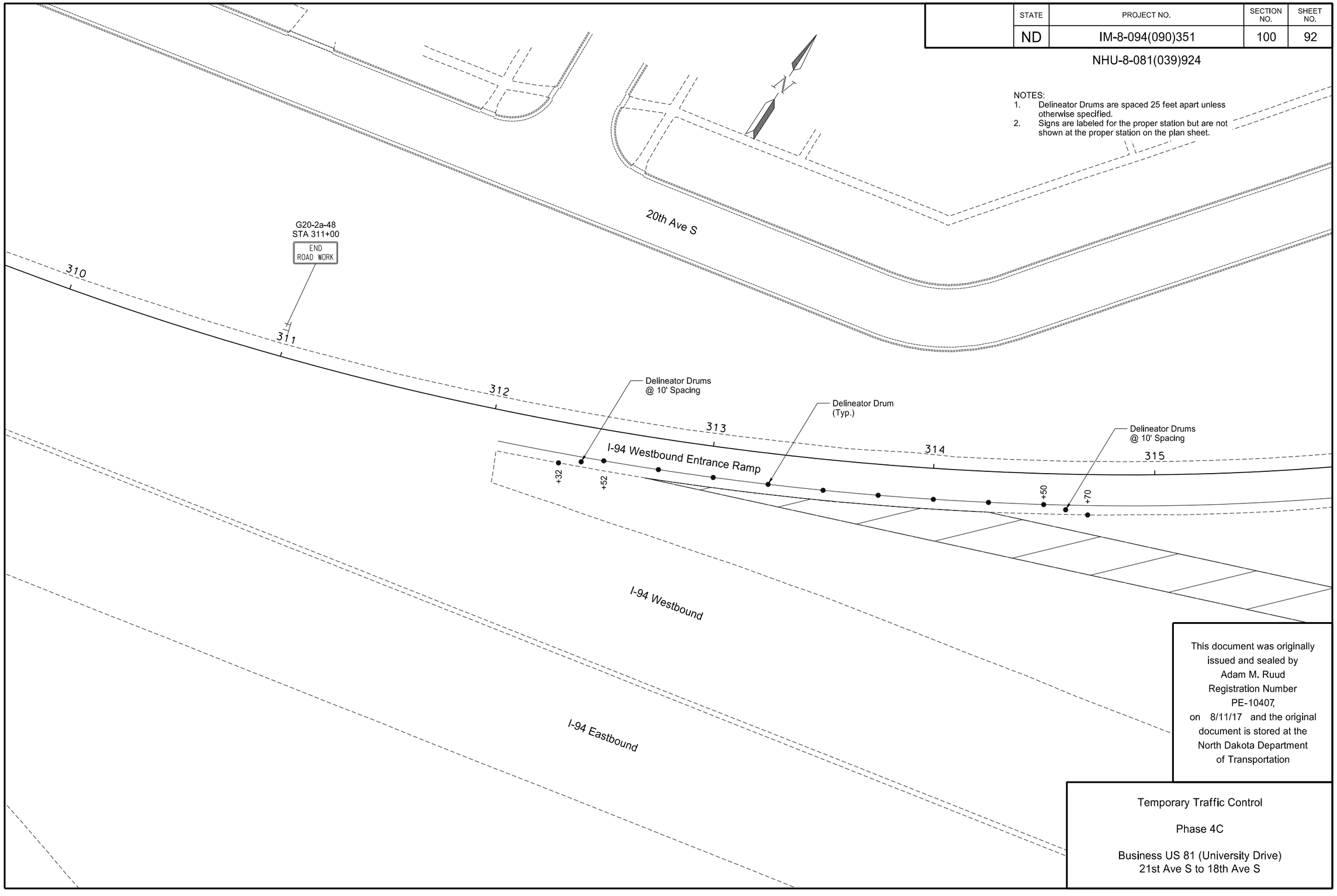
Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	92

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	93

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

Loaf 'N Jug

PRIVATE PROPERTY NO THRU TRAFFIC
Consign 5

R3-5R-30
R3-2-24
STA 1317+21

Taco Shop

U.S. Bank Branch

E5-1-48
STA 1316+43
EXIT

R1-1-48
STA 1317+26
STOP

R11-2a-48
STA 1320+59
ROAD CLOSED

Delineator Drums @ 10' Spacing

4IN White - Type R

14'

1316 1317 1318 1319 1320 1321

+66 +70 +18 +37 +69 +01 +73 +28 +05 +14

Tubular Marker (Typ.)

Flexible Delineator 10' Spacing

4IN White - Type R

University Dr S

Flexible Delineator (Typ.)

R3-2-36
STA 1315+68
STA 1317+29
STA 1318+14

R3-2-36
STA 1319+40

SPEED LIMIT 25
R2-1-48
STA 1320+50

DETOUR
WEST
18 Ave S
M4-8-24
M3-4-24
Consign 3
M6-3-21
STA 1320+15

Nativity Church of Fargo

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Temporary Traffic Control

Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	94

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Flexible Delineators are spaced 25 feet apart unless otherwise specified.

18th Ave S

CONSIGN 8
STA 1323+95

ONLY ONLY ONLY

W1-4bR-48
STA 1325+55

Sanford 1717 Medical Building

Type III Barricade (Typ.)

Tubular Marker (Typ.)

Delineator Drum (Typ.)

University Dr S

+98 +99 +95 +13 +48 +62 +85

1321 1322 1323 1324 1325 1326

University Dr S

Flexible Delineator (Typ.)

18th Ave S

Sanford
South University
Medical Center

ONLY

R3-5R-30
R3-2-24
STA 1325+03

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Temporary Traffic Control

Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	95

NHU-8-081(039)924

NOTES:
1. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Sanford 1717 Medical Building

R2-1-48
STA 1326+70
SPEED LIMIT 25

W3-5-48
STA 1328+20
SPEED LIMIT 25

W20-1-48
STA 1329+60
ROAD WORK AHEAD

M4-8-24
M3-2-24
Consign 3
M6-1L-21
STA 1332+40
DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
STA 1333+80
DETOUR
EAST
18 Ave S

17th Ave S

University Dr S

1326 1327 1328 1329 1330

University Dr S

G20-2a-48
STA 1331+50
END ROAD WORK

R2-1-48
STA 1326+00
SPEED LIMIT 35

M4-8-24
M3-4-24
Consign 3
M5-1L-21
STA 1327+50
DETOUR
WEST
18 Ave S

Essentia Health
South University Clinic

M4-8-24
M3-4-24
Consign 3
M6-1L-21
STA 1328+90
DETOUR
WEST
18 Ave S

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Temporary Traffic Control

Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	96
		NHU-8-081(039)924		

13½ St S

DETOUR WEST 18 Ave S →
M4-8-24
M3-4-24
Consign 3
M6-1R-21

DETOUR WEST 18 Ave S ↱
M4-8-24
M3-4-24
Consign 3
M5-1R-21

DETOUR WEST 18 Ave S ↰
M4-8-24
M3-4-24
Consign 3
M5-1L-21

DETOUR WEST 18 Ave S ←
M4-8-24
M3-4-24
Consign 3
M6-1L-21

M4-8-24
M3-2-24
Consign 3
M6-1L-21

DETOUR EAST 18 Ave S ←

M4-8-24
M3-2-24
Consign 3
M5-1L-21

DETOUR EAST 18 Ave S ↰

16th Ave S

University Dr S

DETOUR WEST 18 Ave S ↑
M4-8-24
M3-4-24
Consign 3
M6-3-21

18th Ave S

DETOUR WEST 18 Ave S ↰
M4-8-24
M3-4-24
Consign 3
M5-1L-21

DETOUR WEST 18 Ave S ←
M4-8-24
M3-4-24
Consign 3
M6-1L-21

M4-8-24
M3-2-24
Consign 3
M6-1L-21

DETOUR EAST 18 Ave S ←

M4-8-24
M3-2-24
Consign 3
M5-1L-21

DETOUR EAST 18 Ave S ↰

17th Ave S

M4-8-24
M3-2-24
Consign 3
M5-1R-21

DETOUR EAST 18 Ave S ↱

M4-8-24
M3-2-24
Consign 3
M6-1R-21

DETOUR EAST 18 Ave S →

11th St S

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Temporary Traffic Control

Phase 4C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	97

NHU-8-081(039)924

R9-9-24
W16-9P-24
SIDEWALK CLOSED
AHEAD

R9-9-24
M4-10(R)-48
SIDEWALK CLOSED
DETOUR

M4-9(L)-30
DETOUR

R9-9-24
SIDEWALK CLOSED

R9-9-24
SIDEWALK CLOSED

13½ St S

R9-9-24
M4-10(L)-48
SIDEWALK CLOSED
DETOUR

M4-9(R)-30
DETOUR

R9-9-24
W16-9P-24
SIDEWALK CLOSED
AHEAD

16th Ave S

University Dr S

DETOUR
M4-9(L)-30

DETOUR
M4-9(R)-30

DETOUR
M4-9(L)-30

DETOUR
M4-9(R)-30

18th Ave S

SIDEWALK CLOSED
AHEAD
R9-9-24
W16-9P-24

17th Ave S

11th St S

11th St S

M4-9(R)-30
DETOUR

10th St S

S Dr S

M4-9(L)-30
DETOUR

M4-9(R)-30
DETOUR

10th St S

M4-9(L)-30
DETOUR

M4-9(R)-30
DETOUR

Pedestrian Detour Route

9th St S

9th St S

DETOUR
M4-9(L)-30

DETOUR
M4-9(R)-30

DETOUR
M4-9(L)-30

8th St S

24th Ave S

21st Ave S

Park Dr S

Interstate 94

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Temporary Traffic Control

Phase 4C Pedestrian Detour

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	98

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Burger King

Oak Manor Ave S

Taco Bell

University Dr S

1296 1297 1298

1299 1300 1301

Frontage Road

ROAD WORK AHEAD
W20-1-48
STA 1293+45

SPEED LIMIT 25
W3-5-48
STA 1294+85

SPEED LIMIT 25
R2-1-48
STA 1296+25

LEFT LANE CLOSED AHEAD
W20-5L-48
STA 1299+30

W4-2L-48
STA 1300+70

Rodeway Inn

Randy's University Diner

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Temporary Traffic Control

Phase 4D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	99

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified

Precision Tune Auto Care

21st Ave S

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

G20-2a-48
STA 1300+65
END ROAD WORK

R2-1-48
STA 1301+40
SPEED LIMIT 35

SEQUENCING ARROW PANEL TYPE C
STA 1303+50

4IN Yellow - Type R

Type III Barricade (Typ.)

Delineator Drum (Typ.)

Tubular Marker (Typ.)

University Dr S

1301 1302 1303 1304 1305 1306

+80 +05 +65 +12 +62 +98

Petro Serve USA

21st Ave S

I-94 Eastbound Entrance Ramp

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Temporary Traffic Control

Phase 4D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	100

NHU-8-081(039)924

NOTES:
1. Tubular Markers and Flexible Delineators are spaced 25 feet apart unless otherwise specified

EXISTING

EXIT

I-94 Eastbound Entrance Loop Ramp

4IN Yellow - Type R

Re-Establish Existing 8IN White Pvmt Mk

8IN White Permanent Pvmt Mk

Message Permanent Pvmt Mk

+05

+39

+74

12'

12'

12.5'

University Dr S

+27

1306

1307

1308

1309

1310

1311

+62

+98

University Dr S

Traf Sig

Type III Barricade (Typ.)

Tubular Marker (Typ.)

Barrel Attenuation Device Type B

Barrel Attenuation Device Type B

SPEED LIMIT 25

R2-1-48
STA 1306+90

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Temporary Traffic Control

Phase 4D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	101

NHU-8-081(039)924

NOTES:
1. Delineator Drums, Tubular Markers, and Flexible Delineators are spaced 25 feet apart unless otherwise specified.
2. Stackable Vertical Panles are spaced 11 feet apart unless otherwise specified.

I-94 Westbound Entrance Ramp

Phase 4D Work Zone

8IN White
Permanent Pvmt MK

4IN White - Type R

Stackable Vertical Panels
@ 10' Spacing

4IN White
Permanent Pvmt Mk
(10' Line, 30' Skip)

4IN Yellow - Type R

Delineator Drum
(Typ.)

University Dr S

24IN White
Permanent Pvmt Mk

+24

10'

12'

12'

+01

+21

+69

+03

+48

+69

+64

1311

1312

1313

1314

4IN Yellow - Type R

1315

1316

4IN White - Type R

Message
Permanent Pvmt Mk

Tubular Markers
@ 10' Spacing

4IN Yellow - Type R

+55

+71

Tubular Markers
@ 10' Spacing

Tubular Marker
(Typ.)

Phase 4D Work Zone

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Temporary Traffic Control

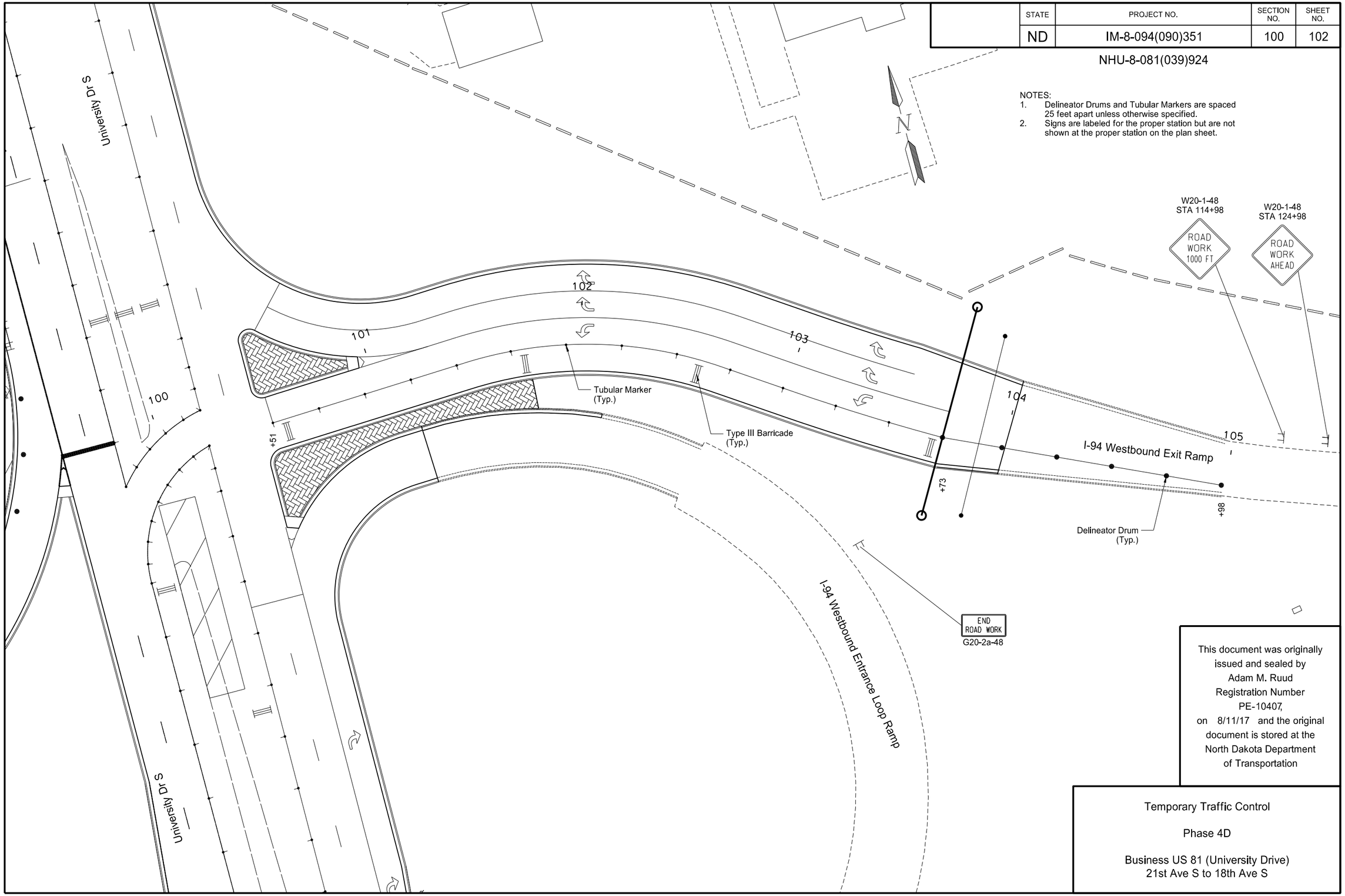
Phase 4D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	102

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 4D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	103

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

2108
2107
2106
2105
2104
2103
2102
+33
+73
Delineator Drums
@ 10' Spacing
4IN Yellow
Permanent Pvmt Mk
4IN White
Permanent Pvmt Mk
Delineator Drum
(Typ.)
I-94 Westbound Entrance Ramp
University Dr S
+51

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Temporary Traffic Control

Phase 4D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	104

NHU-8-081(039)924

NOTES:
1. Tubular Markers are spaced 25 feet apart unless otherwise specified.

Loaf 'N Jug

Taco Shop

U.S. Bank Branch

R3-5R-30
R3-2-24
STA 1317+30
STA 1318+18

PRIVATE PROPERTY NO THRU TRAFFIC
Consign 5

R3-5R-30
R3-2-24
STA 1319+76

University Dr S

12'
12'
+21
11'
11'
11'
11'
+64
1316
+24
1317
+24
1318
+74
1319
+79
1320
+19
1321
+14
+05

Tubular Markers @ 10' Spacing
4IN Yellow - Type R
Tubular Markers @ 10' Spacing
Tubular Marker (Typ.)
Tubular Markers @ 10' Spacing

University Dr S

R3-2-36
STA 1315+68
STA 1317+29
STA 1318+14

R3-2-36
STA 1319+40

DETOUR
WEST
18 Ave S

M4-8-24
M3-4-24
Consign 3
M6-3-21
STA 1320+15

Nativity Church of Fargo

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Temporary Traffic Control

Phase 4D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	105

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.

18th Ave S

R3-2-36
STA 1322+75

W1-4bR-48
STA 1325+55

Sanford 1717 Medical Building

24IN White - Type R

Type III Barrier
(Typ.)

4IN Yellow - Type R

4IN Yellow - Type R

4IN White - Type R

12'

12'

University Dr S

+25

+31

+55

1321

1322

1323

1324

1325

1326

4IN White - Type R
(10' Line, 30' Skip)

+98

+08

University Dr S

12'

11'

12'

+85

+58

Tubular Marker
(Typ.)

Re-Establish Existing
4IN Yellow Pvmt Mk
(Barrier Line NB
10' Line, 30' Skip SB)

Re-Establish Existing
4IN White Pvmt Mk
(10' Line, 30' Skip)

18th Ave S

Sanford
South University
Medical Center

ONLY

R3-5R-30
R3-2-24
STA 1325+03

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Temporary Traffic Control

Phase 4D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	106

NHU-8-081(039)924

NOTES:
1. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Sanford 1717 Medical Building

R2-1-48
STA 1326+70
SPEED LIMIT 25

W3-5-48
STA 1328+20
SPEED LIMIT 25

W20-1-48
STA 1329+60
ROAD WORK AHEAD

M4-8-24
M3-2-24
Consign 3
M6-1L-21
STA 1332+40
DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
STA 1333+80
DETOUR
EAST
18 Ave S

University Dr S

1326 1327 1328 1329 1330

University Dr S

G20-2a-48
STA 1331+50
END ROAD WORK

R2-1-48
STA 1326+00
SPEED LIMIT 35

M4-8-24
M3-4-24
Consign 3
M5-1L-21
STA 1327+50
DETOUR
WEST
18 Ave S

Essentia Health
South University Clinic

M4-8-24
M3-4-24
Consign 3
M6-1L-21
STA 1328+90
DETOUR
WEST
18 Ave S

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Temporary Traffic Control

Phase 4D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	107
		NHU-8-081(039)924		

13½ St S

DETOUR WEST 18 Ave S →
M4-8-24
M3-4-24
Consign 3
M6-1R-21

DETOUR WEST 18 Ave S ↱
M4-8-24
M3-4-24
Consign 3
M5-1R-21

DETOUR WEST 18 Ave S ↰
M4-8-24
M3-4-24
Consign 3
M5-1L-21

DETOUR WEST 18 Ave S ←
M4-8-24
M3-4-24
Consign 3
M6-1L-21

M4-8-24
M3-2-24
Consign 3
M6-1L-21
DETOUR EAST 18 Ave S ←

M4-8-24
M3-2-24
Consign 3
M5-1L-21
DETOUR EAST 18 Ave S ↰

16th Ave S

University Dr S

DETOUR WEST 18 Ave S ↑
M4-8-24
M3-4-24
Consign 3
M6-3-21

18th Ave S

DETOUR WEST 18 Ave S ↰
M4-8-24
M3-4-24
Consign 3
M5-1L-21

DETOUR WEST 18 Ave S ←
M4-8-24
M3-4-24
Consign 3
M6-1L-21

M4-8-24
M3-2-24
Consign 3
M6-1L-21
DETOUR EAST 18 Ave S ←

M4-8-24
M3-2-24
Consign 3
M5-1L-21
DETOUR EAST 18 Ave S ↰

17th Ave S

M4-8-24
M3-2-24
Consign 3
M5-1R-21
DETOUR EAST 18 Ave S ↱

M4-8-24
M3-2-24
Consign 3
M6-1R-21
DETOUR EAST 18 Ave S →

11th St S

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Temporary Traffic Control

Phase 4D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	108

NHU-8-081(039)924

R9-9-24
W16-9P-24
SIDEWALK CLOSED
AHEAD

R9-9-24
M4-10(R)-48
SIDEWALK CLOSED
DETOUR

M4-9(L)-30
DETOUR

R9-9-24
SIDEWALK CLOSED

R9-9-24
SIDEWALK CLOSED

13½ St S

R9-9-24
M4-10(L)-48
SIDEWALK CLOSED
DETOUR

M4-9(R)-30
DETOUR

R9-9-24
W16-9P-24
SIDEWALK CLOSED
AHEAD

16th Ave S

University Dr S

DETOUR
M4-9(L)-30

DETOUR
M4-9(R)-30

DETOUR
M4-9(L)-30

DETOUR
M4-9(R)-30

18th Ave S

SIDEWALK CLOSED
AHEAD
R9-9-24
W16-9P-24

17th Ave S

11th St S

11th St S

M4-9(R)-30
DETOUR

10th St S

S Dr S

M4-9(L)-30
DETOUR

M4-9(R)-30
DETOUR

10th St S

M4-9(L)-30
DETOUR

M4-9(R)-30

Pedestrian Detour Route

9th St S

9th St S

DETOUR
M4-9(L)-30

DETOUR
M4-9(R)-30

DETOUR
M4-9(L)-30

8th St S

24th Ave S

21st Ave S

Park Dr S

Interstate 94

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Temporary Traffic Control

Phase 4D Pedestrian Detour

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	109

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Burger King

Taco Bell

Oak Manor Ave S

University Dr S

1296 1297 1298 1299 1300 1301

Frontage Road

ROAD WORK AHEAD
W20-1-48
STA 1293+45

SPEED LIMIT 25
W3-5-48
STA 1294+85

SPEED LIMIT 25
R2-1-48
STA 1296+25

LEFT LANE CLOSED AHEAD
W20-5L-48
STA 1299+30

W4-2L-48
STA 1300+70

Rodeway Inn

Randy's University Diner

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Temporary Traffic Control

Phase 5

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	110

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified

Precision Tune Auto Care

21st Ave S

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

G20-2a-48
STA 1300+65
END ROAD WORK

R2-1-48
STA 1301+40
SPEED LIMIT 35

SEQUENCING ARROW PANEL TYPE C
STA 1303+50

Type III Barricade (Typ.)

University Dr S

1301 1302 1303 1304 1305 1306

+80 +05 +65 +12 +62 +98

Delineator Drum (Typ.)

Tubular Marker (Typ.)

University Dr S

I-94 Eastbound Entrance Ramp

Petro Serve USA

21st Ave S

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Temporary Traffic Control

Phase 5

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	111

NHU-8-081(039)924

NOTES:
1. Tubular Markers and Flexible Delineators are spaced 25 feet apart unless otherwise specified

EXISTING

EXIT

I-94 Eastbound
Entrance Loop Ramp

University Dr S

+55

+91

1306

1307

1308

1309

1310

1311

+62

+98

University Dr S

Type III Barricade
(Typ.)

Tubular Marker
(Typ.)

SPEED LIMIT 25

R2-1-48
STA 1306+90

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Temporary Traffic Control

Phase 5

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	112

NHU-8-081(039)924

NOTES:
1. Tubular Markers are spaced 25 feet apart unless otherwise specified.

Loaf 'N Jug

I-94 Westbound Entrance Ramp

Phase 5 Work Zone

Tubular Markers @ 10' Spacing

4IN Yellow - Type R

University Dr S

Tubular Markers @ 10' Spacing

+37

+99

+48

4IN Yellow - Type R

+64

+24

1311

1312

1313

1314

1315

1316

+20

+45

+71

4IN White - Type R

4IN Yellow - Type R

Tubular Marker (Typ.)

Type III Barricade (Typ.)

Phase 5 Work Zone

I-94 Westbound Entrance Loop Ramp

I-94 Westbound Exit Ramp

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Temporary Traffic Control

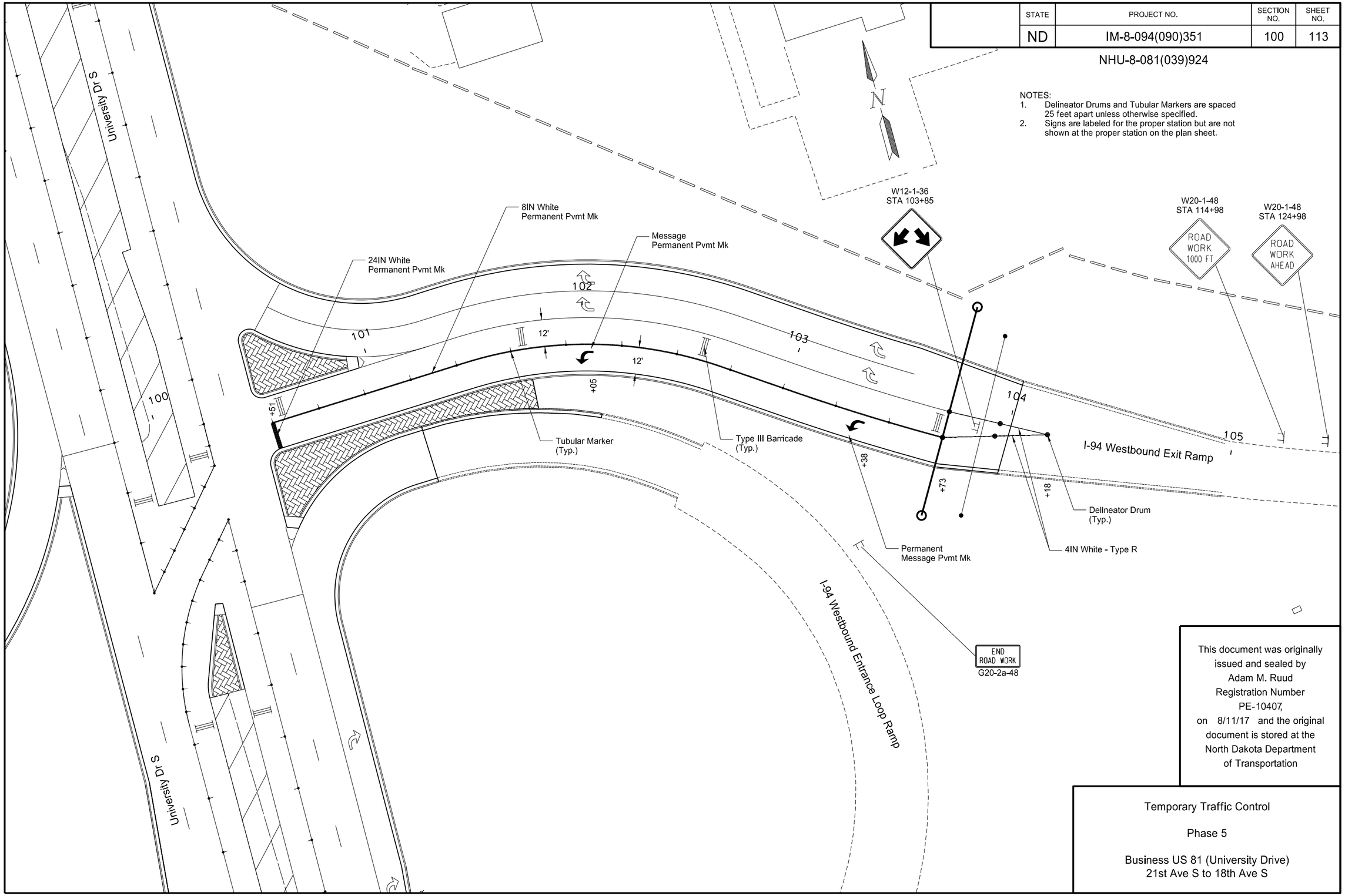
Phase 5

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	113

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.



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Temporary Traffic Control

Phase 5

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	114

NHU-8-081(039)924

NOTES:
1. Tubular Markers are spaced 25 feet apart unless otherwise specified.

Loaf 'N Jug

R3-5R-30
R3-2-24
STA 1315+72
STA 1317+30
STA 1318+18

PRIVATE PROPERTY NO THRU TRAFFIC

CONSIGN 5

Taco Shop

U.S. Bank Branch

R3-5R-30
R3-2-24
STA 1319+76

Tubular Marker (Typ.)

Tubular Markers @ 10' Spacing

Tubular Markers @ 10' Spacing

Tubular Markers @ 10' Spacing

University Dr S

+64 +24 +24 +74 +79 +19 +05 +14

1316 1317 1318 1319 1320 1321

11' 11' 11' 11.4'

University Dr S

R3-2-36
STA 1315+68
STA 1317+29
STA 1318+14

R3-2-36
STA 1319+40

DETOUR
WEST
18 Ave S

M4-8-24
M3-4-24
Consign 3
M6-3-21
STA 1320+15

Nativity Church of Fargo

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Temporary Traffic Control

Phase 5

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	115

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.

18th Ave S

R3-2-36
STA 1322+75

W1-4bR-48
STA 1325+55

Sanford 1717 Medical Building

Type III Barricade
(Typ.)

University Dr S

+98

+31

1321

1322

1323

1324

1325

1326

+55

Delineator Drum
(Typ.)

Tubular Marker
(Typ.)

University Dr S

18th Ave S

Sanford
South University
Medical Center

ONLY

R3-5R-30
R3-2-24
STA 1325+03

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Temporary Traffic Control

Phase 5

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	116

NHU-8-081(039)924

NOTES:
1. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

Sanford 1717 Medical Building

R2-1-48
STA 1326+70
SPEED LIMIT 25

W3-5-48
STA 1328+20
SPEED LIMIT 25

W20-1-48
STA 1329+60
ROAD WORK AHEAD

M4-8-24
M3-2-24
Consign 3
M6-1L-21
STA 1332+40
DETOUR
EAST
18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
STA 1333+80
DETOUR
EAST
18 Ave S

University Dr S

1326 1327 1328 1329 1330

University Dr S

G20-2a-48
STA 1331+50
END ROAD WORK

R2-1-48
STA 1326+00
SPEED LIMIT 35

M4-8-24
M3-4-24
Consign 3
M5-1L-21
STA 1327+50
DETOUR
WEST
18 Ave S

Essentia Health
South University Clinic

M4-8-24
M3-4-24
Consign 3
M6-1L-21
STA 1328+90
DETOUR
WEST
18 Ave S

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Temporary Traffic Control

Phase 5

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	117
		NHU-8-081(039)924		

13½ St S

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M6-1R-21

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M5-1R-21

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M5-1L-21

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M6-1L-21

M4-8-24
M3-2-24
Consign 3
M6-1L-21
DETOUR EAST 18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
DETOUR EAST 18 Ave S

16th Ave S

University Dr S

18th Ave S

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M6-3-21

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M5-1L-21

DETOUR WEST 18 Ave S
M4-8-24
M3-4-24
Consign 3
M6-1L-21

M4-8-24
M3-2-24
Consign 3
M6-1L-21
DETOUR EAST 18 Ave S

M4-8-24
M3-2-24
Consign 3
M5-1L-21
DETOUR EAST 18 Ave S

17th Ave S

M4-8-24
M3-2-24
Consign 3
M5-1R-21
DETOUR EAST 18 Ave S

M4-8-24
M3-2-24
Consign 3
M6-1R-21
DETOUR EAST 18 Ave S

11th St S

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Temporary Traffic Control

Phase 5

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	118

NHU-8-081(039)924

G20-2a-48
STA 1292+15
END
ROAD WORK

University Dr S

1289 1290 1291 1292 1293 1294

24th Ave S

ROAD
WORK
AHEAD
W20-1-48
STA 1289+20

SPEED
LIMIT
25
W3-5-48
STA 1290+60

SPEED
LIMIT
25
R2-1-48
STA 1293+30

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Temporary Traffic Control

Phase 6A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	119

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.

Burger King

Taco Bell

Oak Manor Ave

University Dr S

M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1R-21
STA 1298+72

DETOUR
TO
NORTH
University Dr

Tubular Marker (Typ.)

4IN White - Type R

1294 1295 1296 1297 1298 1299

10.5'

12.2'

12'

11.9'

+55 +80

125'
Obliterate Pvmt Mk
10 SF - 4IN Line

Delineator Drum (Typ.)

Type III Barricade (Typ.)

RIGHT LANE CLOSED AHEAD
W20-5L-48
STA 1294+05

W4-2L-48
STA 1294+80

SEQUENCING ARROW PANEL TYPE C
STA 1296+40

PETRO SERVE
CONSIGN 2
STA 1297+30

Rodeway Inn

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Temporary Traffic Control

Phase 6A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	120
	NHU-8-081(039)924		

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.

Precision Tune Auto Care

Taco Bell

21st Ave S

I-94 Eastbound Exit Ramp

R2-1-48
STA 1301+00
SPEED LIMIT 35

E5-1-48
STA 1301+65
EXIT

University Dr S

+85

+91

96'
Obliterate Pvmt Mk
64 SF - 8IN Line

1299

1300

1301

1302

1303

1304

12.2'

12'

+00

+89

Type III Barricade (Typ.)

Delineator Drum (Typ.)

4IN White - Type R

+06

+58

+45

Tubular Marker (Typ.)

Delineator Drums @ 10' Spacing

ROAD CLOSED
DETOUR
R11-2-48
M4-10L-48
STA 1302+68

DETOUR TO NORTH University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1L-21
STA 1302+61
STA 1302+91

Frontage Road

EAST INTERSTATE NORTH DAKOTA 94
M3-2-24
M1-1-36
M6-2R-24
STA 1299+89

DETOUR TO NORTH University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1R-21
STA 1299+55

DETOUR TO NORTH University Dr
M4-8-24
M4-5-24
M3-1-24
CONSIGN 6
M6-1L-21
STA 1300+50

DO NOT ENTER
R5-1-48
STA 1302+39

Rodeway Inn

Randy's University Diner

Petro Serve USA

21st Ave S

Delineator Drums @ 10' Spacing

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Temporary Traffic Control

Phase 6A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	121

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

University Dr S

1304 1305 1306 1307 1308 1309

Tubular Marker (Typ.)

4IN White - Type R

11.7'

12'

11.9'

Delineator Drum (Typ.)

Type III Barricade (Typ.)

6" Temporary Aggregate Surfacing

75'
Obliterate Pvmt Mk
7 SF - 4IN Line

+25

+35

+10

Delineator Drums @ 10' Spacing

Phase 6A Work Zone
Install Temp Pavement
(4" HMA, 12" Salvaged Base Course)

I-94 Eastbound Entrance Ramp

+30

+44

+07

SPEED LIMIT 35
R2-1-48
STA 1307+85

END ROAD WORK
G20-2a-48
STA 1310+75

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Temporary Traffic Control

Phase 6A

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	122

NHU-8-081(039)924

24th Ave S

Oak Manor Ave

21st Ave S

University Dr S

R11-2-48
M4-10L-48
ROAD CLOSED
DETOUR

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1L-21

Interstate 94

DETOUR AHEAD
W20-2-48

ROAD CLOSED AHEAD
W20-3-48

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1R-21

DETOUR TO NORTH
University Dr
M4-8-24
M4-5-24
M3-1-24
Consign 6
M6-1L-21

11th St S

24th Ave S

21st Ave S

Park Dr S

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Temporary Traffic Control

Phase 6A

Business US 81 (University Drive)
21st Ave S to 21st Ave S

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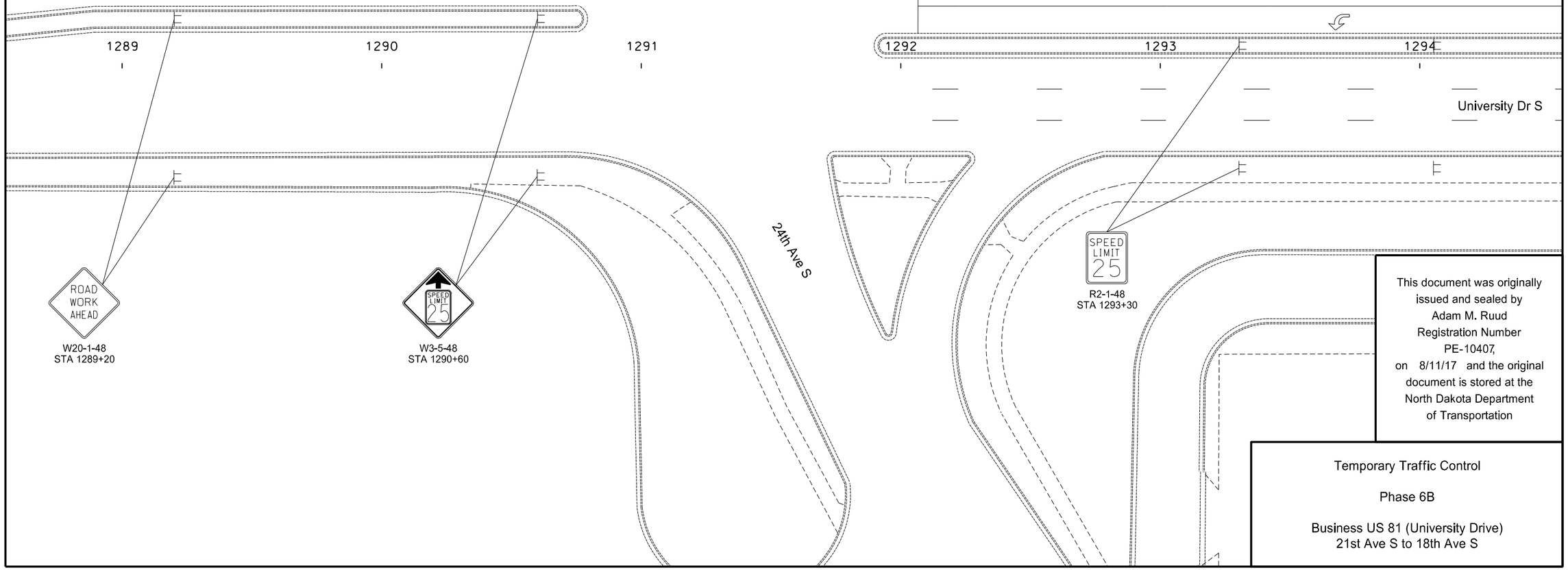
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	123

NHU-8-081(039)924

M4-8-24
M3-2-24
Consign 4
M6-1L-21
STA 1293+55

G20-2a-48
STA 1292+15



W20-1-48
STA 1289+20

W3-5-48
STA 1290+60

R2-1-48
STA 1293+30

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Temporary Traffic Control

Phase 6B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	124

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.

M4-8-24
M3-2-24
Consign 4
M5-1L-21
STA 1294+95

DETOUR
EAST
21 Ave S

Burger King

Taco Bell

Oak Manor Ave

University Dr S

1294 1295 1296 1297 1298 1299

+55 +80

Delineator Drum (Typ.)

Tubular Marker (Typ.)

Type III Barricade (Typ.)

Frontage Road

RIGHT LANE CLOSED AHEAD

W20-5L-48
STA 1294+05

W4-2L-48
STA 1294+80

SEQUENCING ARROW PANEL TYPE C
STA 1296+40

PETRO SERVE

CONSIGN 2
STA 1297+30

Rodeway Inn

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Temporary Traffic Control

Phase 6B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	125
	NHU-8-081(039)924		

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.

Precision Tune Auto Care

Taco Bell

21st Ave S

I-94 Eastbound Exit Ramp

R2-1-48
STA 1301+00
SPEED LIMIT 35

CONSIGN 9
STA 1301+15
PETRO SERVE

University Dr S

1299 1300 1301 1302 1303 1304

+00 +89 +85 +06 +58 +79 +52 +54

12.2'
12'
24'

Tubular Marker (Typ.)

4IN White - Type R

4IN Yellow - Type R

73'
Obliterate Pvmt Mk
49 SF - 8IN Line

Type III Barricade (Typ.)

Frontage Road

Rodeway Inn

Randy's University Diner

DETOUR
WEST
21 Ave S

M4-8-24
M3-4-24
Consign 4
M5-1L-21
STA 1299+65

M4-8-24
M3-4-24
Consign 4
M6-1L-21
STA 1301+05

Petro Serve USA

ROAD CLOSED
R11-2-48
STA 1301+67
STA 1301+94

Phase 6B Work Zone

21st Ave S

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Temporary Traffic Control

Phase 6B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	126

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

E5-1-48
STA 1305+30
EXIT

4IN Yellow - Type R

University Dr S

+43

1304 1305 1306 1307 1308 1309

11.5'

12'

Tubular Marker (Typ.)

4IN White - Type R

+71 +16 +35 +10

Type III Barricade (Typ.)

Barrel Attenuation Device Type B

Delineator Drum (Typ.)

+93 +16

Type A White Delineators @ 25' Spacing

I-94 Eastbound Entrance Ramp

+30

4IN Yellow - Type R

4IN White - Type R

Type A Yellow Delineators @ 25' Spacing

+22 +18 +07

EAST
INTERSTATE
NORTH DAKOTA
94

M3-2-24
M1-1-36
M6-1R-21
STA 1303+95

SPEED LIMIT 35
R2-1-48
STA 1307+85

END ROAD WORK
G20-2a-48
STA 1310+75

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Temporary Traffic Control

Phase 6B

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	127

NHU-8-081(039)924

24th Ave S

Oak Manor Ave

21st Ave S

University Dr S

Interstate 94

11th St S

Park Dr S

24th Ave S

21st Ave S

M4-8-24
M3-4-24
Consign 4
M6-3-21

M4-8-24
M3-2-24
Consign 4
M6-1L-21

M4-8-24
M3-2-24
Consign 4
M5-1L-21

M4-8-24
M3-2-24
Consign 4
M5-1R-21

M4-8-24
M3-2-24
Consign 4
M6-1R-21

R11-2-48
ROAD CLOSED

R11-4a-60
STREET CLOSED TO THRU TRAFFIC

DETOUR
WEST
EAST
21 Ave S

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Temporary Traffic Control

Phase 6B

Business US 81 (University Drive)
21st Ave S to 21st Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	128
		NHU-8-081(039)924		

R9-9-24
W16-9P-24
SIDEWALK CLOSED
AHEAD

R9-9-24
M4-10(R)-48
SIDEWALK CLOSED
DETOUR

R9-9-24
W16-9P-24
SIDEWALK CLOSED
AHEAD

University Dr S

DETOUR
M4-9(L)-30

SIDEWALK CLOSED
DETOUR
R9-9-24
M4-10(R)-48

R9-9-24
SIDEWALK CLOSED

Interstate 94

R9-9-24
W16-9P-24
SIDEWALK CLOSED
AHEAD

M4-9(L)-30
DETOUR

M4-9(L)-30
DETOUR

M4-9(R)-30
DETOUR

M4-9(R)-30
DETOUR

Pedestrian Detour Route

11th St S

24th Ave S

21st Ave S

10th St S

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Temporary Traffic Control

Phase 6B Pedestrian Detour

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	129

NHU-8-081(039)924

G20-2a-48
STA 1292+15
END
ROAD WORK

University Dr S

1289 1290 1291 1292 1293 1294

24th Ave S

ROAD
WORK
AHEAD
W20-1-48
STA 1289+20

SPEED
LIMIT
25
W3-5-48
STA 1290+60

SPEED
LIMIT
25
R2-1-48
STA 1293+30

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Temporary Traffic Control

Phase 6C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	130

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.

Burger King

Oak Manor Ave

Taco Bell

1294 1295 1296 1297 1298 1299

+55 +80

Type III Barricade (Typ.)

Tubular Marker (Typ.)

Delineator Drum (Typ.)

Frontage Road

RIGHT LANE CLOSED AHEAD

W20-5L-48
STA 1294+05

W4-2L-48
STA 1294+80

SEQUENCING ARROW PANEL TYPE C
STA 1296+40

PETRO SERVE

CONSIGN 2
STA 1297+30

Rodeway Inn

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Temporary Traffic Control

Phase 6C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	131
	NHU-8-081(039)924		

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.

Precision Tune Auto Care

Taco Bell

21st Ave S

I-94 Eastbound Exit Ramp

R2-1-48
STA 1301+00
SPEED LIMIT 35

E5-1-48
STA 1301+65
EXIT

University Dr S

1299 1300 1301 1302 1303 1304

12.5'
12'

+00 +89 +85 +80 +90 +21 +58 +13 +29

Tubular Marker (Typ.)
Type III Barricade (Typ.)
Tubular Markers @ 10' Spacing
4IN White - Type R
Delineator Drum (Typ.)
4IN White - Type R
4IN White - Type R
8IN White Permanent Pvmt Mk

SIDEWALK CLOSED
R9-9-24
STA 1302+81

STOP
R1-1-48
STA 1302+67

EAST INTERSTATE NORTH DAKOTA 94
M3-2-24
M1-1-36
M6-2R-24
STA 1299+89

Frontage Road

Rodeway Inn

Randy's University Diner

Petro Serve USA

4IN Yellow Permanent Pvmt Mk (10' Line, 30' Skip)

24IN White Permanent Pvmt Mk

4IN Yellow Permanent Pvmt Mk (10' Line, 30' Skip)

21st Ave S

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Temporary Traffic Control

Phase 6C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	132

NHU-8-081(039)924

NOTES:
1. Delineator Drums are spaced 25 feet apart unless otherwise specified.

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

University Dr S

24IN White
Permanent Pvmt Mk

1304 1305 1306 1307 1308 1309

Tubular Marker
(Typ.)

11.7'

12'

11.9'

+35

+10

Delineator Drum
(Typ.)

Type III Barricade
(Typ.)

8IN White
Permanent Pvmt Mk

I-94 Eastbound Entrance Ramp

Phase 6C Work Zone
Remove Temp Pavement

+30

+44

+07

Delineator Drum
(Typ.)

SPEED LIMIT 35
R2-1-48
STA 1307+85

END ROAD WORK
G20-2a-48
STA 1310+75

University Dr S

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Temporary Traffic Control

Phase 6C

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	133

NHU-8-081(039)924

G20-2a-48
STA 1292+15
END
ROAD WORK

University Dr S

1289 1290 1291 1292 1293 1294

University Dr S

24th Ave S

ROAD
WORK
AHEAD
W20-1-48
STA 1289+20

SPEED
LIMIT
25
W3-5-48
STA 1290+60

SPEED
LIMIT
25
R2-1-48
STA 1293+30

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Temporary Traffic Control

Phase 6D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	134
	NHU-8-081(039)924		

NOTES:
1. Delineator Drums and Tubular Markers are spaced 25 feet apart unless otherwise specified.

Precision Tune Auto Care

Taco Bell

21st Ave S

I-94 Eastbound Exit Ramp

R2-1-48
STA 1301+00
SPEED LIMIT 35

CONSIGN 9
STA 1301+15
PETRO SERVE

SEQUENCING ARROW PANEL TYPE C
STA 1301+97

R9-9-24
STA 1303+77
SIDEWALK CLOSED

4IN White - Type R

125'
Obliterate Pvmt Mk
7 SF - 4IN Line

75'
Obliterate Pvmt Mk
7 SF - 4IN Line

+54

+29

Delineator Drums
@ 10' Spacing

Delineator Drum
(Typ.)

4IN Yellow - Type R

University Dr S

1299 1300 1301 1302 1303 1304

+18

4IN Yellow - Type R

+43

12'

+19

13.3'

+95

+91

+49

Type III Barricade
(Typ.)

Tubular Marker
(Typ.)

12'

12.4'

11.3'

Re-Establish Existing
8IN White Pvmt Mk

Re-Establish Existing
4IN White Pvmt Mk
(10' Line, 30' Skip)

LEFT LANE CLOSED AHEAD
W20-5L-48
STA 1299+17

W4-2L-48
STA 1300+57

SIDEWALK CLOSED
R9-9-24
STA 1302+81

STOP
R1-1-48
STA 1302+67

Rodeway Inn

Randy's University Diner

Petro Serve USA

21st Ave S

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Temporary Traffic Control

Phase 6D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	135

NHU-8-081(039)924

NOTES:
1. Delineator Drums and Type A Delineators are spaced 25 feet apart unless otherwise specified.
2. Signs are labeled for the proper station but are not shown at the proper station on the plan sheet.

I-94 Eastbound Exit Ramp

I-94 Eastbound Entrance Loop Ramp

R9-9-24
STA 1304+79
SIDEWALK CLOSED

W4-2L-48
STA 1307+90

4IN White
Type R

+00

4IN White - Type R

+42

+76

12.3'

+47

12'

+58

4IN Yellow - Type R

4IN White
Type R

+83

12'

12.2'

4IN Yellow - Type R

+12

+90

125'
Obliterate Pvmt Mk
10 SF - 4IN Line

+15

Type III Barricade
(Typ.)

4" Yellow - Type R

Delineator Drum
(Typ.)

1304

1305

1306

1307

1308

1309

University Dr S

University Dr S

SEQUENCING
ARROW PANEL
TYPE C
STA 1306+25

SPEED
LIMIT
35

R2-1-48
STA 1307+85

I-94 Eastbound Entrance Ramp

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Temporary Traffic Control

Phase 6D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	136
		NHU-8-081(039)924		

NOTES:
1. Tubular Markers are spaced 25 feet apart unless otherwise specified.

R2-1-48
STA 1310+85
SPEED LIMIT 25

W20-1-48
STA 1314+30
ROAD WORK AHEAD

I-94 Westbound Entrance Ramp

University Dr S

1309 1310 1311 1312 1313 1314

LEFT LANE CLOSED AHEAD
W20-5L-48
STA 1310+10

END ROAD WORK
G20-2a-48
STA 1310+75

SPEED LIMIT 25
W3-5-48
STA 1312+25

I-94 Westbound Entrance Loop Ramp

I-94 Westbound Exit Ramp

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Temporary Traffic Control

Phase 6D

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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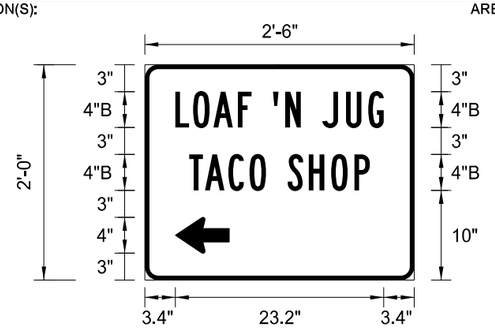
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	137

SIGN NUMBER	Consign 1
WIDTH x HEIGHT	2'-6" x 2'-0"
BORDER WIDTH	0.5" (inset 0")
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Type IV Reflective
	COLOR: Blue
LEGEND/BORDER	TYPE: Type IV Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE
ND_4IN_TYPE D	3.4	3	4	6	90

STATION(S): AREA: 5.0 Sq.Ft.



Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

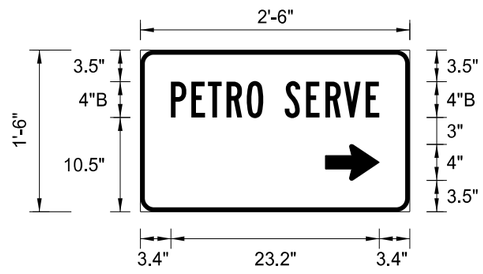
PANEL STYLE: SS_Work Zone Business Sign (NDDOT).ssl

LETTER POSITION (X)																			LENGTH	SIZE	SERIES
L	O	A	F	'	N	J	U	G											23.2	4	B 2000
3.4	5.4	7.6	10.4	14.3	15.6	19.8	22.4	24.9													
T	A	C	O	S	H	O	P												20.1	4	B 2000
4.9	6.7	9.3	11.7	15.9	18.3	20.7	23.3														

SIGN NUMBER	Consign 2
WIDTH x HEIGHT	2'-6" x 1'-6"
BORDER WIDTH	0.5" (inset 0")
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Type IV Reflective
	COLOR: Blue
LEGEND/BORDER	TYPE: Type IV Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE
ND_4IN_TYPE D	20.6	3.5	4	6	270

STATION(S): AREA: 3.8 Sq.Ft.



Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

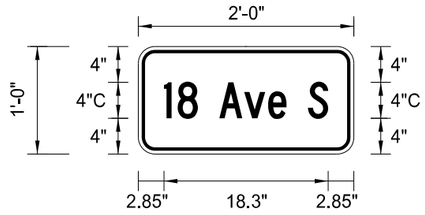
PANEL STYLE: SS_Work Zone Business Sign (NDDOT).ssl

LETTER POSITION (X)																			LENGTH	SIZE	SERIES
P	E	T	R	O	S	E	R	V	E										23.2	4	B 2000
3.4	5.7	7.5	9.6	11.8	16.1	18.4	20.6	22.6	25.1												

SIGN NUMBER	Consign 3
WIDTH x HEIGHT	2'-0" x 1'-0"
BORDER WIDTH	0.38" (inset 0.38")
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Type XI Reflective
	COLOR: Fluorescent Orange
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

SYMBOL	X	Y	WID	HT	ANGLE

STATION(S): NHU-8-081(039)924 AREA: 2.0 Sq.Ft.



Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

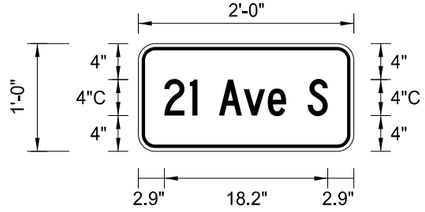
PANEL STYLE: SS_Const_Special_Street.ssl

LETTER POSITION (X)																			LENGTH	SIZE	SERIES
1	8	A	v	e	S														18.3	4	C 2000
2.9	4.4	9	11.8	14.5	18.9																

SIGN NUMBER	Consign 4
WIDTH x HEIGHT	2'-0" x 1'-0"
BORDER WIDTH	0.38" (inset 0.38")
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Type XI Reflective
	COLOR: Fluorescent Orange
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

SYMBOL	X	Y	WID	HT	ANGLE

STATION(S): AREA: 2.0 Sq.Ft.



Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

PANEL STYLE: SS_Const_Special_Street.ssl

LETTER POSITION (X)																			LENGTH	SIZE	SERIES
2	1	A	v	e	S														18.2	4	C 2000
2.9	5.7	9	11.7	14.4	18.9																

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Construction Sign Details

Business US 81 (University Drive)
21st Ave S to 18th Ave S

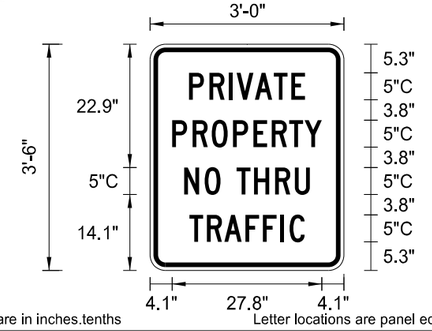
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-029(140)143	100	138

NHU-8-081(039)924

SIGN NUMBER	Consign 5
WIDTH x HEIGHT	3'-0" x 3'-6"
BORDER WIDTH	0.88" (inset 0.63")
CORNER RADIUS	2.25"
MOUNTING	Ground
BACKGROUND	TYPE: Type XI Reflective
	COLOR: Fluorescent Orange
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

SYMBOL	X	Y	WID	HT	ANGLE

STATION(S): AREA: 10.5 Sq.Ft.



Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

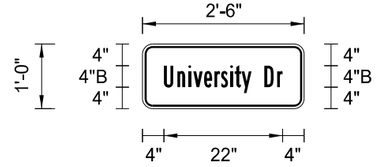
PANEL STYLE: SS_Const_Special_4.ssi

LETTER POSITION (X)																			LENGTH	SIZE	SERIES
P	R	I	V	A	T	E													21.5	5	C 2000
7.2	11	14.7	16.1	19.5	23	26.2															
P	R	O	P	E	R	T	Y												27.8	5	C 2000
4.1	7.9	11.5	15.4	19.2	22.6	25.9	28.7														
N	O	T	H	R	U														23.4	5	C 2000
6.3	10.1	16.1	19.3	23.2	26.9																
T	R	A	F	F	I	C													21.4	5	C 2000
7.3	10.6	13.8	17.7	21	24.2	25.9															

SIGN NUMBER	Consign 6
WIDTH x HEIGHT	2'-6" x 1'-0"
BORDER WIDTH	0.38" (inset 0.38")
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Type XI Reflective
	COLOR: Fluorescent Orange
LEGEND/BORDER	TYPE: Black
	COLOR: Non-Reflective

SYMBOL	X	Y	WID	HT	ANGLE

STATION(S): AREA: 2.5 Sq.Ft.



Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

PANEL STYLE: SS_Const_Special_Street.ssi

LETTER POSITION (X)																			LENGTH	SIZE	SERIES
U	n	i	v	e	r	s	i	t	y	D	r								22	4/3	B 2000
4	6.5	8.5	9.4	11.4	13.3	14.6	16.3	17.1	18.4	22.6	25										

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Construction Sign Details

Business US 81 (University Drive)
21st Ave S to 18th Ave S

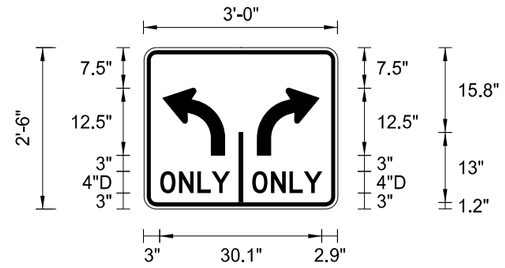
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-029(140)143	100	139

NHU-8-081(039)924

SIGN NUMBER	Consign 7
WIDTH x HEIGHT	3'-0" x 2'-6"
BORDER WIDTH	0.75" (inset 0.5")
CORNER RADIUS	1.88"
MOUNTING	Ground
BACKGROUND	TYPE: Type XI Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

SYMBOL	X	Y	WID	HT	ANGLE
LT_ARW_2.5	3.5	10	11.5	12.5	0
RT_ARW_2.5	21	10	11.5	12.5	0

STATION(S): AREA: 7.5 Sq.Ft.



Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

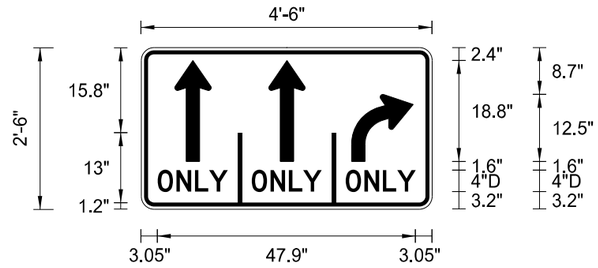
PANEL STYLE: SS_R3-8 Custom_1.ssi

LETTER POSITION (X)																		LENGTH	SIZE	SERIES
O	N	L	Y															13	4	D 2000
3	6.5	9.9	12.6																	
O	N	L	Y															13	4	D 2000
20.1	23.6	27	29.6																	

SIGN NUMBER	Consign 8
WIDTH x HEIGHT	4'-6" x 2'-6"
BORDER WIDTH	0.75" (inset 0.5")
CORNER RADIUS	1.88"
MOUNTING	Ground
BACKGROUND	TYPE: Type XI Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

SYMBOL	X	Y	WID	HT	ANGLE
THRU_ARW_2.5	6.2	8.8	6.8	18.8	0
THRU_ARW_2.5	23.7	8.8	6.8	18.8	0
RT_ARW_2.5	39	8.8	11.5	12.5	0

STATION(S): AREA: 11.3 Sq.Ft.

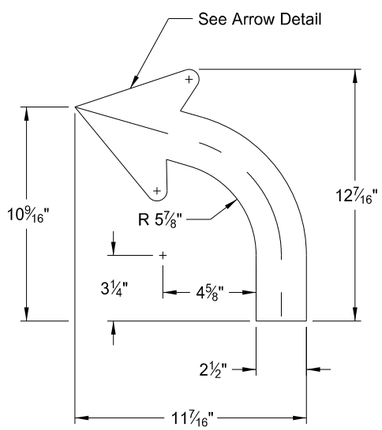


Dimensions are in inches.tenths

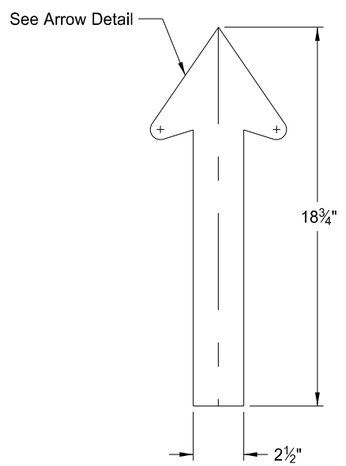
Letter locations are panel edge to lower left corner

PANEL STYLE: SS_R3-8 Custom_1.ssi

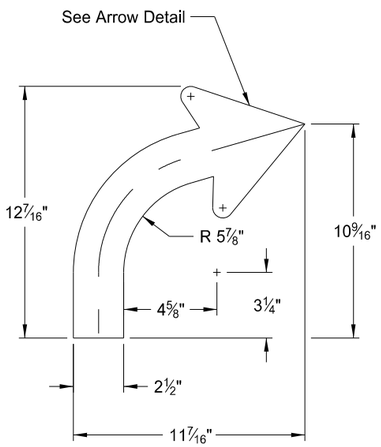
LETTER POSITION (X)																		LENGTH	SIZE	SERIES
O	N	L	Y															13	4	D 2000
3.1	6.5	10	12.6																	
O	N	L	Y															13	4	D 2000
20.5	24	27.4	30.1																	
O	N	L	Y															13	4	D 2000
38	41.4	44.9	47.5																	



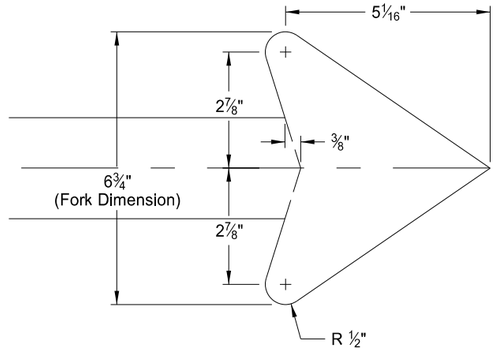
LT_ARW_2.5



THRU_ARW_2.5



RT_ARW_2.5



Arrow Detail

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Construction Sign Details

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	140

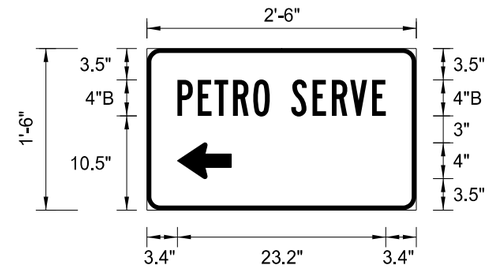
NHU-8-081(039)924

SIGN NUMBER	Consign 9
WIDTH x HEIGHT	2'-6" x 1'-6"
BORDER WIDTH	0.5" (inset 0")
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Type IV Reflective
	COLOR: Blue
LEGEND/BORDER	TYPE: Type IV Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE
ND_4IN_TYPE D	3.4	3.5	4	6	270

STATION(S):

AREA: 3.8 Sq.Ft.



Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

PANEL STYLE: SS_Work Zone Business Sign (NDDOT).ssl

LETTER POSITION (X)																			LENGTH	SIZE	SERIES
P	E	T	R	O	S	E	R	V	E										23.2	4	B 2000
3.4	5.7	7.5	9.6	11.8	16.1	18.4	20.6	22.6	25.1												

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Construction Sign Details

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	141

NHU-8-081(039)924

0 20' 40'

3" RIGID STEEL CONDUIT AND CABLING ABOVE GROUND FROM TEMPORARY CONTROLLER TO EXISTING CONTROLLER OR PULL BOX

GUY WIRE (TYP)

TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET. CONNECT TO EXISTING FIBER OPTIC INTERCONNECT SYSTEM AND ELECTRIC SERVICE.

STA 1303+40, 138' LT
40' WOOD POLE

STA 1303+55, 97' LT
40' WOOD POLE

SPAN WIRE WITH 1-7C SIGNAL WIRE

CONNECT AERIAL CABLE TO EXISTING POLE

SPAN WIRE WITH 2-7C SIGNAL WIRE
(7) 5C SIGNAL WIRE
(2) #14 AWG 2 (A)
(2) EVD CABLE (B)
(3) COAXIAL CABLE (C)
(3) #16 AWG 3 (D)
(4) #16 AWG 2 (E)

SPAN WIRE WITH 1-7C SIGNAL WIRE
(1) #16 AWG 2 (E)

CONNECT AERIAL CABLE TO EXISTING POLE

SPAN WIRE WITH 7-5C SIGNAL WIRE
(2) #14 AWG 2 (A)
(2) EVD CABLE (B)
(2) COAXIAL CABLE (C)
(2) #16 AWG 3 (D)
(3) #16 AWG 2 (E)

STA 1304+20, 90' LT
40' WOOD POLE

SPAN WIRE WITH 3-5C SIGNAL WIRE
(1) #16 AWG 2 (E)
(1) #14 AWG 2 (A)
(1) EVD CABLE (B)

CONNECT AERIAL CABLE TO EXISTING POLE

SPAN WIRE WITH 3-5C SIGNAL WIRE
(1) #14 AWG 2 (A)
(1) EVD CABLE (B)
(1) COAXIAL CABLE (C)
(1) #16 AWG 3 (D)
(1) #16 AWG 2 (E)

RUN CABLE DOWN WOOD POLE AND CONNECT TO EXISTING FLASHING BEACON SYSTEM OR HANDHOLE AS NEEDED

SPAN WIRE WITH 4-5C SIGNAL WIRE
(1) #14 AWG 2 (A)
(1) EVD CABLE (B)
(2) COAXIAL CABLE (C)
(2) #16 AWG 3 (D)
(2) #16 AWG 2 (E)

CONNECT AERIAL CABLE TO EXISTING POLE

SPAN WIRE WITH 1-5C SIGNAL WIRE
(1) #16 AWG 2 (E)

STA 1304+81, 87' LT
40' WOOD POLE

STA 1305+75, 75' LT
40' WOOD POLE

SPAN WIRE WITH 1-5C SIGNAL WIRE
(1) #16 AWG 2 (E)

VIDEO DETECTION CAMERA (TYP)

STA 1305+25, 66' RT
40' WOOD POLE

SPAN WIRE WITH 2-5C SIGNAL WIRE
(1) #14 AWG 2 (A)
(1) EVD CABLE (B)
(1) COAXIAL CABLE (C)
(1) #16 AWG 3 (D)

EMERGENCY VEHICLE DETECTOR/LIGHT (TYP)

STA 1305+25, 45' RT
40' WOOD POLE

STA 1304+70, 45' RT
40' WOOD POLE

SPAN WIRE WITH 1-5C SIGNAL WIRE

21ST AVE S

EB I-94 OFF RAMP

EB I-94 ON RAMP

UNIVERSITY DR

1302 1303 1304 1305 1306 1307

(48') (19') (65') (61') (13') (49') (57') (111') (21') (9') (55')

P1 P2 P3 P4

ALL L.E.D. SIGNAL HEADS
12" LENSES
VEHICLE HEADS 1,2,3
ALL ARROW LED SIGNAL HEADS

ALL L.E.D. SIGNAL HEADS
12" LENSES
VEHICLE HEADS 4,5,6

NOTE: ALL SIGNAL HEADS SHALL BE SIG POLYCARBONATE. ALL BACK PLATES SHALL BE LOUVERED .063" THICK ALUMINUM.

INTERIM TRAFFIC SIGNAL QUANTITIES
(FOR INFORMATION ONLY)

	TEMPORARY SIGNAL POLE (WOOD)	VEHICULAR TRAFFIC SIGNAL HEADS	SPAN WIRE	STABILITY WIRE	TRAFFIC SIGNAL WIRE (#14 AWG 7C)	TRAFFIC SIGNAL WIRE (#14 AWG 5C)	GUY WIRES	EMERGENCY VEHICLE DETECTOR/ LIGHT	OPTICOM CABLE	#14 AWG 2	COAXIAL CABLE	#16 AWG 3	3" RIGID STEEL CONDUIT	TEMPORARY TRAFFIC SIGNAL CONTROLLER	16 AWG 2
	EACH	EACH	LF	LF	LF	LF	EACH	EACH	LF	LF	LF	LF	LF	EA	LF
TOTAL	8	6	508	166	256	1836	7	1	350	350	655	655	20	1	730

N

PED ϕ2 ϕ6 ϕ4

SIGNAL PHASING

NOTES:

1. SUFFICIENT LENGTH OF ADDITIONAL CABLE SHALL BE PROVIDED AT EACH LOCATION WHERE SIGNAL HEADS WILL BE REQUIRED TO SHIFT AFTER THE INITIAL INSTALLATION HAS BEEN MADE. THE CONTRACTOR SHALL LOOP AND NEATLY ATTACH THESE CABLES AT EACH OF THESE LOCATIONS.
2. THE AMOUNT THE WOOD POLES ARE SET INTO THE GROUND WILL BE MEASURED FROM THE FINAL FINISHED GRADE.
3. HEAD LOCATIONS ARE APPROXIMATE. FINAL DIMENSIONS SHALL BE DETERMINED BY THE FIELD ENGINEER SO SIGNAL HEADS WILL BE POSITIONED OVER THE LANES THEY APPLY TO.
4. CONTRACTOR SHALL SETUP DETECTION CAMERAS AND MAINTAIN DETECTION ZONES THROUGHOUT TRAFFIC CONTROL PHASES.

NOTES:

(A) INDICATOR LIGHT CABLE
(B) EMERGENCY VEHICLE DETECTOR CABLE
(C) VIDEO DETECTION (AS REQUIRED BY MANUFACTURER)
(D) VIDEO DETECTION POWER CABLE (AS REQUIRED BY MANUFACTURER)
(E) PEDESTRIAN PUSHBUTTON CABLE

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TEMPORARY SIGNAL PLANS
EB I-94 RAMP & UNIVERSITY DR
INTERIM TRAFFIC SIGNAL LAYOUT

BUSINESS US 81 (UNIVERSITY DRIVE)
21ST AVE S TO 18TH AVE S

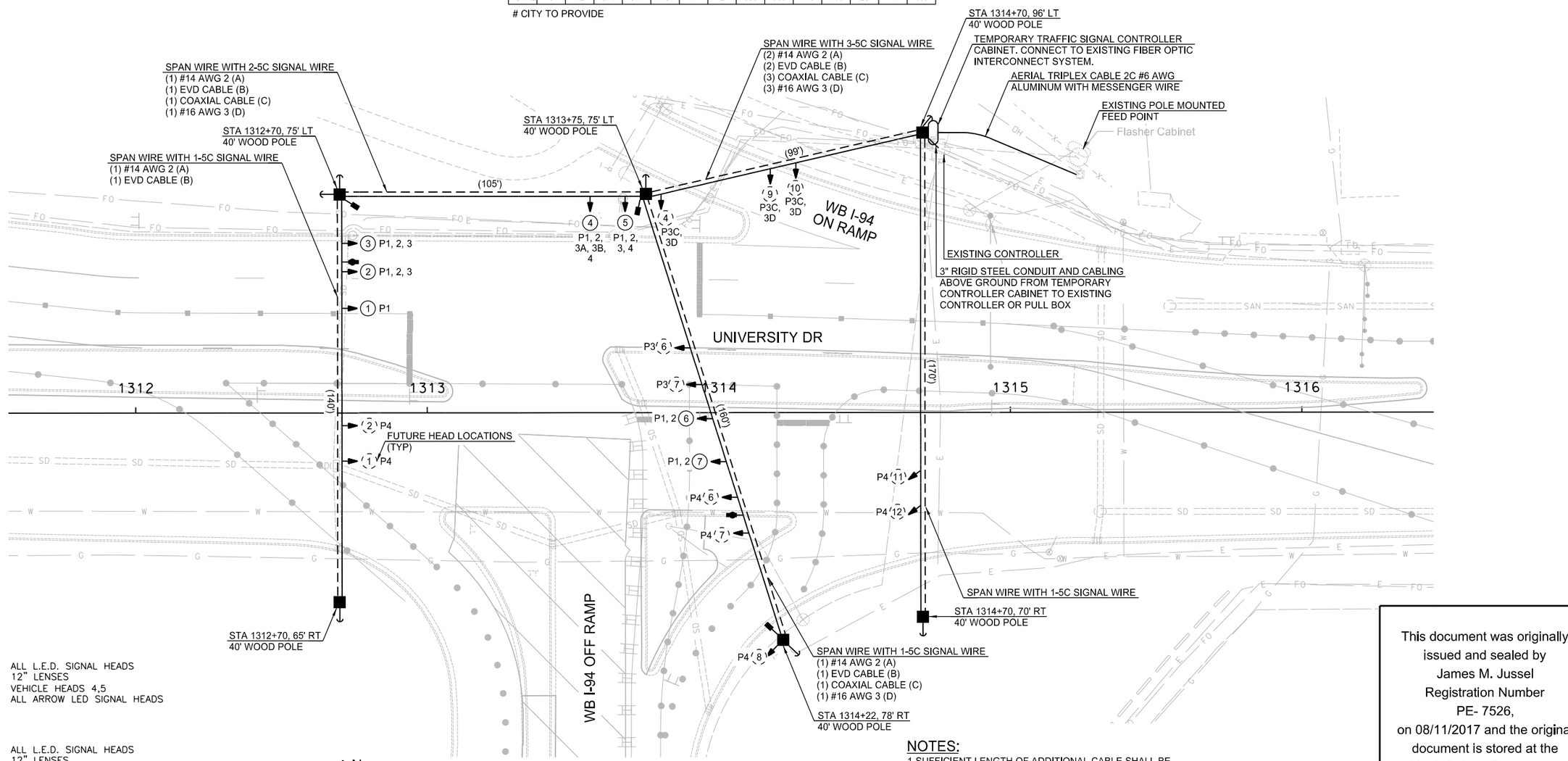
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	142

NHU-8-081(039)924

INTERIM TRAFFIC SIGNAL QUANTITIES
(FOR INFORMATION ONLY)

	TEMPORARY SIGNAL POLE (WOOD)	VEHICULAR TRAFFIC SIGNAL HEADS	SPAN WIRE	STABILITY WIRE	TRAFFIC SIGNAL WIRE (#14 AWG 5C)	GUY WIRES	EMERGENCY VEHICLE DETECTOR (#)	OPTICOM CABLE	#14 AWG 2	COAXIAL CABLE	#16 AWG 3	3" RIGID STEEL CONDUIT	TEMPORARY CONTROLLER	AERIAL CABLE 2C #6 W/MESSENGER
	EACH	EACH	LF	LF	LF	EACH	EACH	LF	LF	LF	LF	LF	EA	LF
TOTAL	6	12	674	674	1137	7	2	530	530	740	740	20	1	100

CITY TO PROVIDE

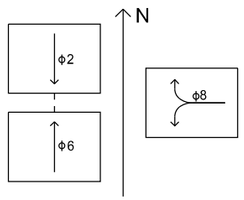


ALL L.E.D. SIGNAL HEADS
12" LENSES
VEHICLE HEADS 4,5
ALL ARROW LED SIGNAL HEADS

ALL L.E.D. SIGNAL HEADS
12" LENSES
VEHICLE HEADS 9,10
ALL ARROW LED SIGNAL HEADS

ALL L.E.D. SIGNAL HEADS
12" LENSES
VEHICLE HEADS 1,2,3,6,7,8,11,12

NOTE: ALL SIGNAL HEADS SHALL BE SIG POLYCARBONATE. ALL BACK PLATES SHALL BE LOUVERED .063" THICK ALUMINUM.



SIGNAL PHASING

NOTES:
(A) INDICATOR LIGHT CABLE
(B) EMERGENCY VEHICLE DETECTOR CABLE
(C) VIDEO DETECTION (AS REQUIRED BY MANUFACTURER)
(D) VIDEO DETECTION POWER CABLE (AS REQUIRED BY MANUFACTURER)

NOTES:
1. SUFFICIENT LENGTH OF ADDITIONAL CABLE SHALL BE PROVIDED AT EACH LOCATION WHERE SIGNAL HEADS WILL BE REQUIRED TO SHIFT AFTER THE INITIAL INSTALLATION HAS BEEN MADE. THE CONTRACTOR SHALL LOOP AND NEATLY ATTACH THESE CABLES AT EACH OF THESE LOCATIONS.
2. THE AMOUNT THE WOOD POLES ARE SET INTO THE GROUND WILL BE MEASURED FROM THE FINAL FINISHED GRADE.
3. HEAD LOCATIONS ARE APPROXIMATE. FINAL DIMENSIONS SHALL BE DETERMINED BY THE FIELD ENGINEER SO SIGNAL HEADS WILL BE POSITIONED OVER THE LANES THEY APPLY TO.
4. CONTRACTOR SHALL SETUP DETECTION CAMERAS AND MAINTAIN DETECTION ZONES THROUGHOUT TRAFFIC CONTROL PHASES.

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TEMPORARY SIGNAL PLANS
WB I-94 RAMP & UNIVERSITY DR
INTERIM TRAFFIC SIGNAL LAYOUT

BUSINESS US 81 (UNIVERSITY DRIVE)
21ST AVE S TO 18TH AVE S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	100	143

NHU-8-081(039)924

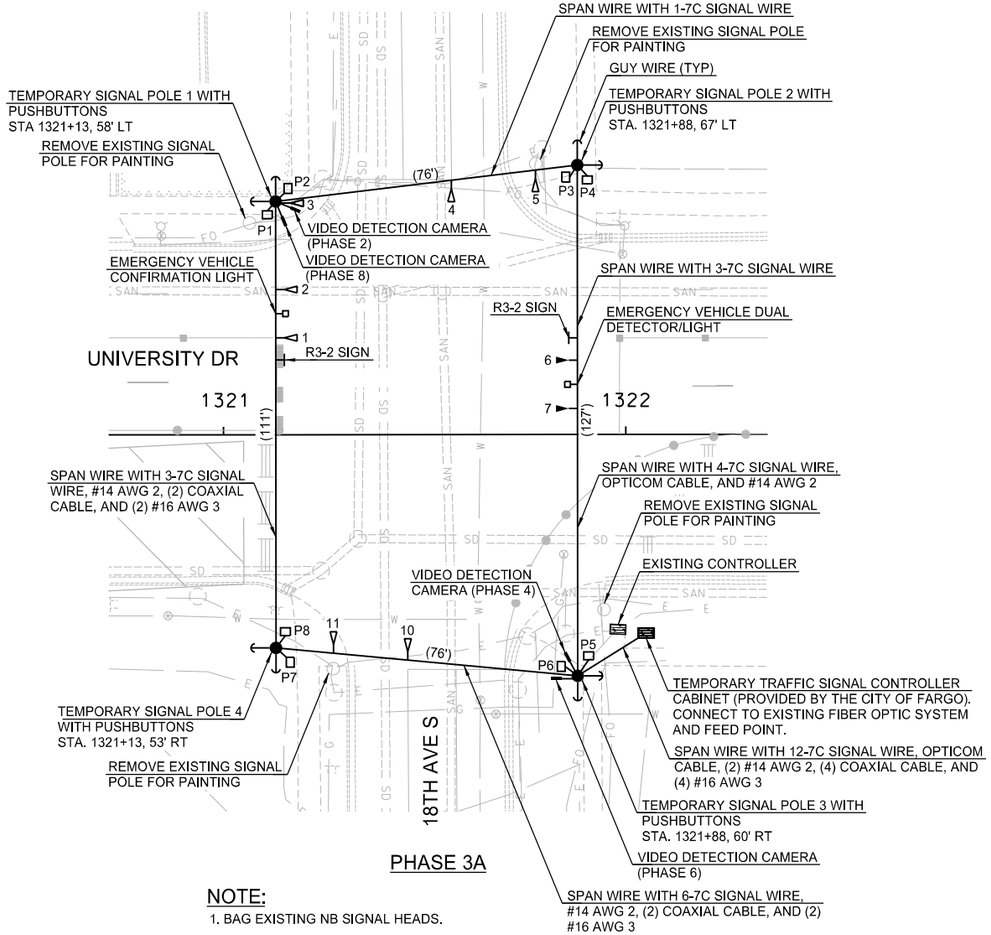
0 20' 40'

ALL L.E.D. SIGNAL HEADS
12" LENSES
VEHICLE HEAD 4
ALL ARROW L.E.D. SIGNAL HEADS

ALL PEDESTRIAN HEADS
16" X 18" FILLED OVERLAY
L.E.D. PEDESTRIAN HEAD WITH
PEDESTRIAN COUNT DOWN TIMER

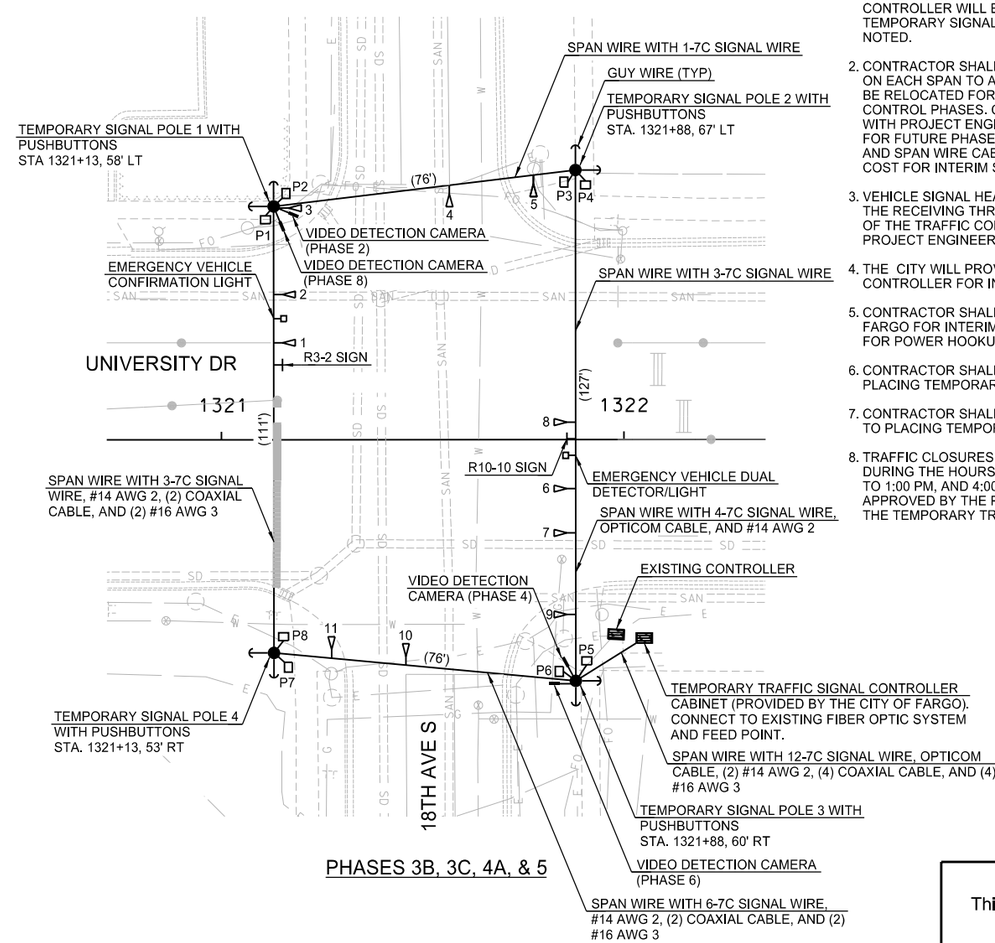
ALL L.E.D. SIGNAL HEADS
12" LENSES
VEHICLE HEADS 1,2,3,5,6,7,9,10,11

ALL L.E.D. ARROW SIGNAL HEADS
12" LENSES
VEHICLE HEADS 8
BAG LT HEADS OR AS NEEDED FOR STAGES
WITH NO LEFT TURNS



PHASE 3A

NOTE:
1. BAG EXISTING NB SIGNAL HEADS.



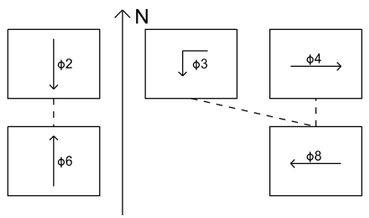
PHASES 3B, 3C, 4A, & 5

TEMPORARY SIGNAL PLAN NOTES:

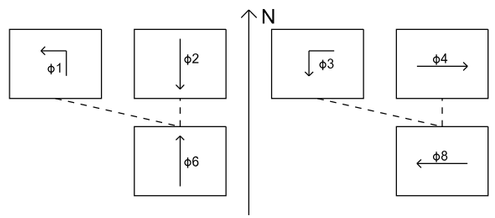
1. CONTRACTOR SHALL INSTALL TEMPORARY SIGNAL SYSTEM SHOWN ON THE PLAN. AN INTERIM TRAFFIC CONTROLLER WILL BE USED TO OPERATE THE TEMPORARY SIGNAL SYSTEM UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL PROVIDE ENOUGH SIGNAL WIRE ON EACH SPAN TO ALLOW FOR THE SIGNAL HEADS TO BE RELOCATED FOR THE ADDITIONAL TRAFFIC CONTROL PHASES. CONTRACTOR SHALL COORDINATE WITH PROJECT ENGINEER FOR PLACEMENT OF HEADS FOR FUTURE PHASES. COST FOR ADDITIONAL SIGNAL AND SPAN WIRE CABLE SHALL BE INCLUDED IN THE COST FOR INTERIM SIGNAL SYSTEM.
3. VEHICLE SIGNAL HEADS SHALL BE INSTALLED OVER THE RECEIVING THROUGH LANES FOR EACH PHASE OF THE TRAFFIC CONTROL PLAN. COORDINATE WITH PROJECT ENGINEER.
4. THE CITY WILL PROVIDE TRAFFIC SIGNAL CONTROLLER FOR INTERIM TRAFFIC SIGNAL.
5. CONTRACTOR SHALL COORDINATE WITH CITY OF FARGO FOR INTERIM SIGNAL CONTROLLER AND EXCEL FOR POWER HOOKUP.
6. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO PLACING TEMPORARY WOOD POLES.
7. CONTRACTOR SHALL STAKE POLE LOCATIONS PRIOR TO PLACING TEMPORARY WOOD POLES.
8. TRAFFIC CLOSURES SHALL NOT BE COMPLETED DURING THE HOURS OF 7:00 AM TO 9:00 AM, 11:00 AM TO 1:00 PM, AND 4:00 PM TO 6:00 PM. UNLESS APPROVED BY THE PROJECT ENGINEER OR PART OF THE TEMPORARY TRAFFIC CONTROL PLANS.

INTERIM TRAFFIC SIGNAL QUANTITIES
(FOR INFORMATION ONLY)

	TEMPORARY SIGNAL POLE (WOOD)	VEHICULAR TRAFFIC SIGNAL HEADS	SPAN WIRE	TRAFFIC SIGNAL WIRE (#14 AWG 7C)	GUY WIRES	R3-2 SIGN (36"x36")	BAG SIGNAL HEAD	PEDESTRIAN SIGNAL HEADS	TRAFFIC SIGNAL CONTROLLER	EMERGENCY VEHICLE DETECTOR/LIGHT	#14 AWG 2	OPTICOM CABLE	VIDEO DETECTION SYSTEM	COAXIAL CABLE	#16 AWG 3	R10-10 SIGN (30"x36")
	EACH	EACH	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	EACH	LF	LF	EACH
TOTAL	4	11	390	1373	8	2	1	8	1	2	337	120	1	560	560	1



PHASE 3 A SIGNAL PHASING
* TIMMINGS TO BE COMPLETED BY THE CITY OF FARGO.



PHASES 3B, 3C, 4A, & 5 SIGNAL PHASING
* TIMMINGS TO BE COMPLETED BY THE CITY OF FARGO.

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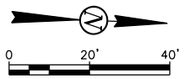
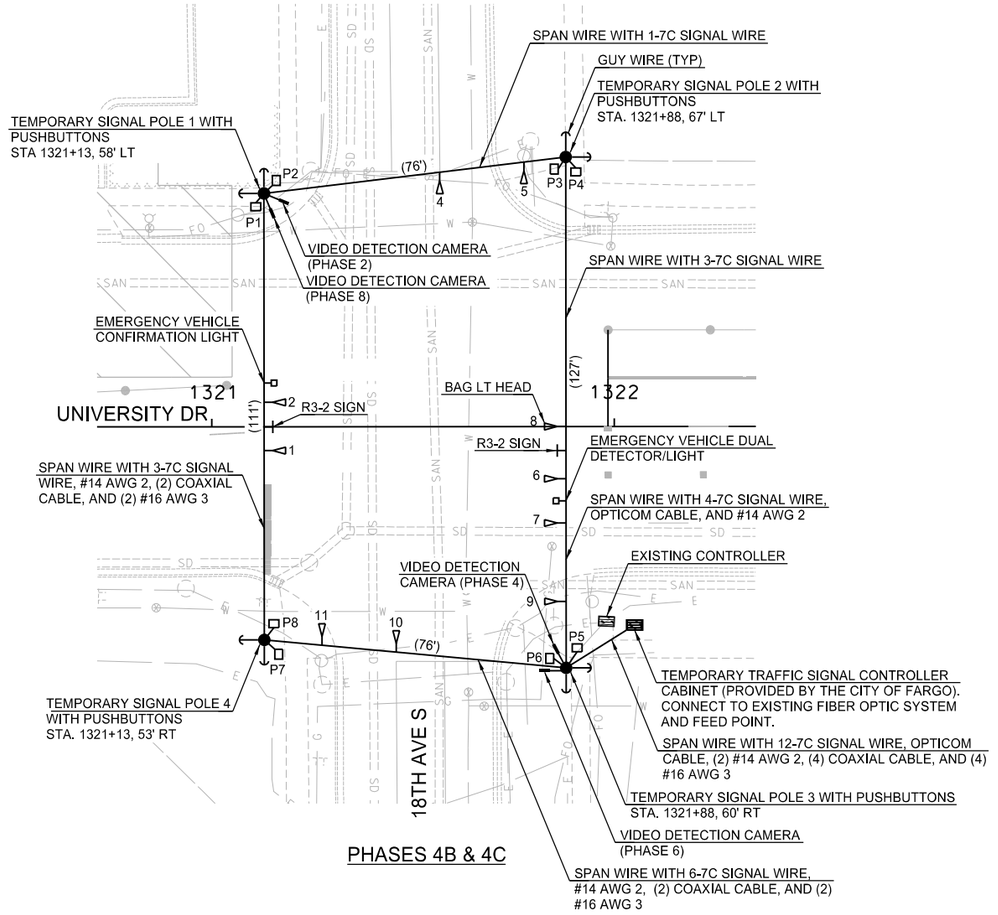
TEMPORARY SIGNAL PLANS
18TH AVE S & UNIVERSITY DR
INTERIM TRAFFIC SIGNAL LAYOUT

BUSINESS US 81 (UNIVERSITY DRIVE)
21ST AVE S TO 18TH AVE S

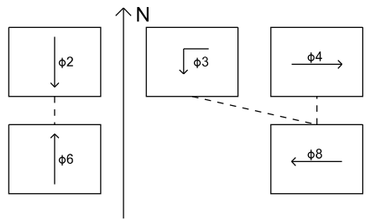
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	144

NHU-8-081(039)924





PHASES 4B & 4C



PHASES 4B & 4C SIGNAL PHASING

* TIMMINGS TO BE COMPLETED BY THE CITY OF FARGO.

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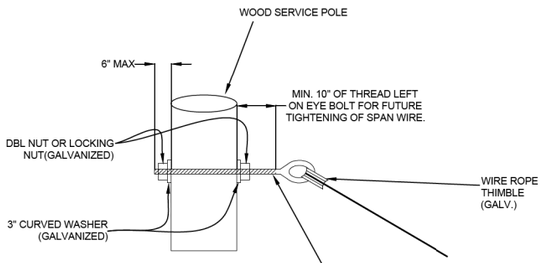
TEMPORARY SIGNAL PLANS
18TH AVE S & UNIVERSITY DR
INTERIM TRAFFIC SIGNAL LAYOUT

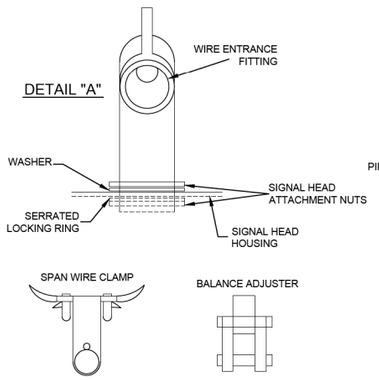
BUSINESS US 81 (UNIVERSITY DRIVE)
21ST AVE S TO 18TH AVE S

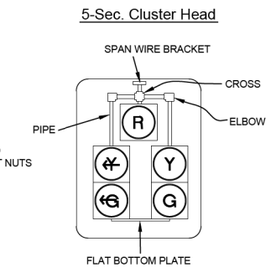
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	100	145

NHU-8-081(039)924



SPAN & STABILIZATION WIRE
EYE BOLT DETAIL





OVERHEAD INTERIM TRAFFIC SIGNAL SPAN LENGTHS

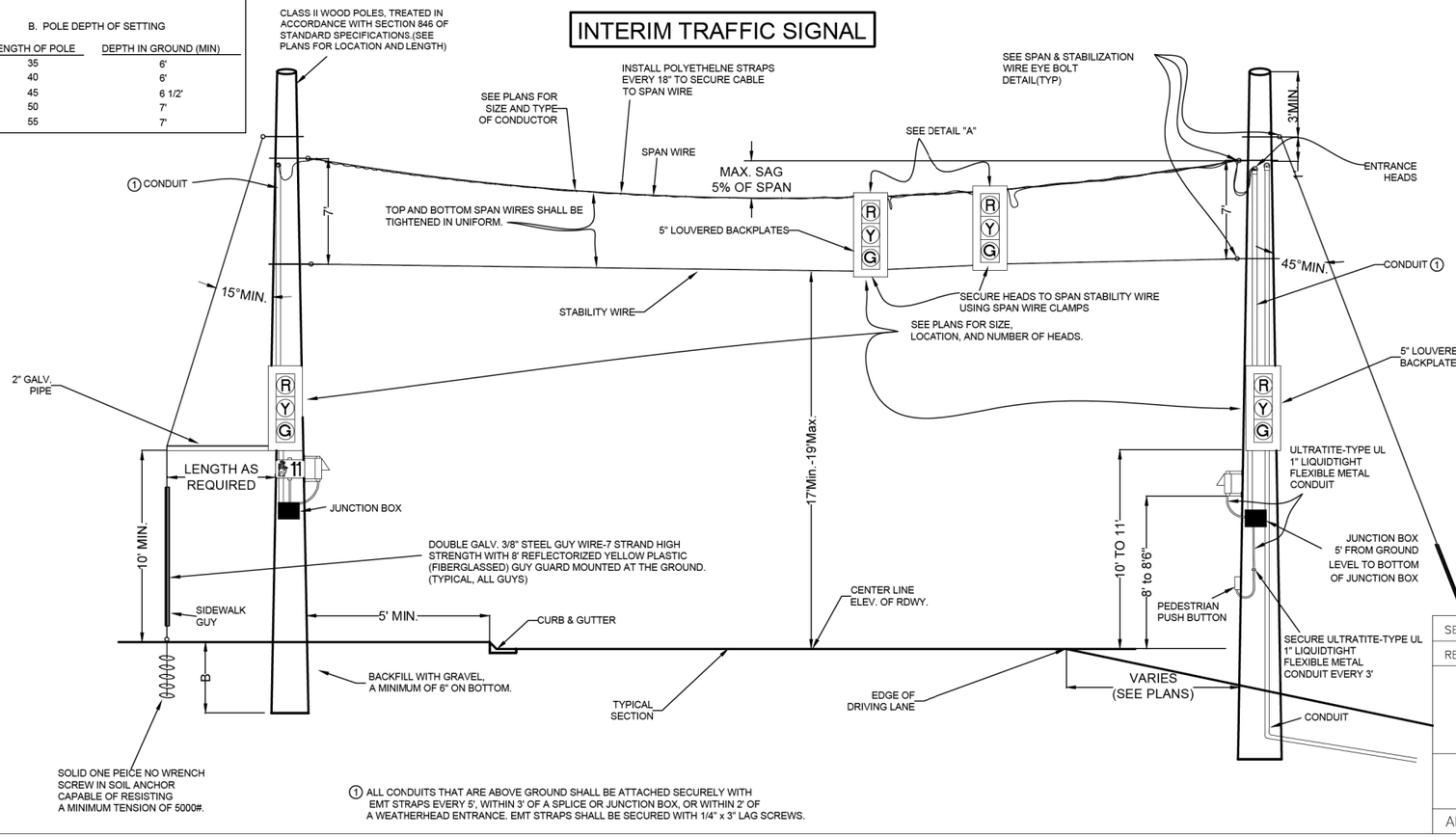
	3/8 INCH SPAN WIRE WITH 3/8 INCH STABILI-ZATION WIRE	3/8 INCH SPAN WIRE WITH 3/8 INCH STABILI-ZATION WIRE	1/2 INCH SPAN WIRE WITH 1/2 INCH STABILI-ZATION WIRE	5/8 INCH SPAN WIRE WITH 5/8 INCH STABILI-ZATION WIRE	3/8 INCH SPAN WIRE WITH 3/8 INCH STABILI-ZATION WIRE	3/8 INCH SPAN WIRE WITH 3/8 INCH STABILI-ZATION WIRE	1/2 INCH SPAN WIRE WITH 1/2 INCH STABILI-ZATION WIRE	5/8 INCH SPAN WIRE WITH 5/8 INCH STABILI-ZATION WIRE
	ONE TRAFFIC SIGNAL HEAD				TWO TRAFFIC SIGNAL HEAD			
	HIGH STRENGTH STEEL				HIGH STRENGTH STEEL			
MAXIMUM SPAN LENGTH	FT 110	FT 130	FT 150	FT 165	FT 65	FT 85	FT 125	FT 150
	EXTRA HIGH STRENGTH STEEL				EXTRA HIGH STRENGTH STEEL			
MAXIMUM SPAN LENGTH	FT 140	FT 160	FT 185	FT 200	FT 90	FT 120	FT 160	FT 185
	THREE TRAFFIC SIGNAL HEAD				FOUR TRAFFIC SIGNAL HEAD			
	HIGH STRENGTH STEEL				HIGH STRENGTH STEEL			
MAXIMUM SPAN LENGTH	FT 45	FT 60	FT 100	FT 130	FT 35	FT 50	FT 80	FT 110
	EXTRA HIGH STRENGTH STEEL				EXTRA HIGH STRENGTH STEEL			
MAXIMUM SPAN LENGTH	FT 65	FT 85	FT 130	FT 165	FT 50	FT 65	FT 110	FT 145

A. ANGLE	MIN. ANCHOR RESISTANCE
30°	12,000 LBS.
15°	24,500 LBS.

B. POLE DEPTH OF SETTING

LENGTH OF POLE	DEPTH IN GROUND (MIN)
35	6'
40	6'
45	6 1/2'
50	7'
55	7'

INTERIM TRAFFIC SIGNAL



1 ALL CONDUITS THAT ARE ABOVE GROUND SHALL BE ATTACHED SECURELY WITH EMT STRAPS EVERY 5', WITHIN 3' OF A SPLICE OR JUNCTION BOX, OR WITHIN 2' OF A WEATHERHEAD ENTRANCE. EMT STRAPS SHALL BE SECURED WITH 1/4" x 3" LAG SCREWS.

NOTES:

1. THE INTERIM TRAFFIC SIGNAL SHALL MEET THE REQUIREMENTS AS STATED IN THE N.D. STANDARD SPECIFICATION SECTION 772 AND 896.

2. IF A GUY WIRE ANGLE OF LESS THAN 45 DEGREES IS USED, THE CAPABILITY OF THE EXPANDING SOIL ANCHOR TO RESIST TENSION ON SITE MUST BE INCREASED.

3. THE CONTRACTOR SHALL MAINTAIN THE REQUIRED 17 TO 19 FEET SIGNAL HEIGHT OVER THE ROADWAY FOR A MINIMUM PERIOD OF 90 CALENDER DAYS AFTER THE FINAL ACCEPTANCE DATE, UNLESS WRITTEN PERMISSION IS GRANTED THE ENGINEER TO WAIVE THE 90 DAY REQUIREMENT. THE COST OF MAINTAINING THE SIGNAL HEAD ELEVATION SHALL NOT BE BID SEPARATELY BUT SHALL BE INCLUDED IN THE PRICE BID FOR INTERIM SIGNALS.

4. TRAFFIC SIGNAL CONTROLLER SHALL BE OPERATED ON 120 VOLTS.

5. ALL SPAN WIRE & STABILITY WIRE SHALL HAVE THIMBLE TYPE CONNECTIONS.

6. ALL POLE MOUNTED VEHICLE HEADS, PEDESTRIAN HEADS, AND PUSH BUTTONS SHALL USE 1" ULTRATITE-TYPE UL LIQUIDTIGHT FLEXIBLE METAL CONDUIT TO RUN WIRE FROM THE POLE MOUNTED HEAD OR BUTTON TO THE JUNCTION BOX. CONTRACTOR SHALL USE ALL METAL CONDUIT FITTINGS TO ENTER THE HEAD OR BUTTON AND FROM THE BOTTOM. CONTRACTOR SHALL USE ALL METAL CONDUIT FITTING TO ENTER THE JUNCTION BOX.

SECTION NO. 4200	DRAWING NO. 5.8
REV.D. 2016	

INTERIM TRAFFIC SIGNAL DETAIL

CITY OF FARGO
ENGINEERING DEPARTMENT

APPROVED	DATE

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TEMPORARY SIGNAL PLANS
INTERIM TRAFFIC SIGNAL DETAIL
CITY OF FARGO - 18TH AVE S

BUSINESS US 81 (UNIVERSITY DRIVE)
21ST AVE S TO 18TH AVE S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
N.D.	NHU-8-081(039)924	110	1

Station / RP	Sign No.	Assembly No.	Flat Sheet For Signs IV SF	Flat Sheet For Signs XI SF	Sign Support Length 1st LF	2nd LF	3rd LF	4th LF	Vert Clear-ance FT	Support Size	Max Post Len LF	Sleeve Length 1st LF	2nd LF	3rd LF	4th LF	Sleeve Size	Anchor EA	Anchor LF	Anchor Size	Reset Sign Panel EA	Reset Sign Support EA	Break-Away EA	Comments
University Drive																							
1300+98 Rt			4.0																				Mount on Existing Supports
1302+06 Rt	SA A			9.2	11.2				7.0	2.5 x 2.5 10 ga	11.9						1	4	3 x 3 7 ga			1	
1302+15 Rt	SA 1D		6.7		8.7				7.0	2 x 2 12 ga	17.0						1	4	2.25 x 2.25 12 ga				
1302+32 Lt	SA I			3.0	11.7				7.0	2.5 x 2.5 12 ga	12.9	3.3				2.25 x 2.25 12 ga	1	4	3 x 3 7 ga	1		1	
1302+65 Rt		1		5.2	9.7				7.0	2 x 2 12 ga	10.5						1	4	2.25 x 2.25 12 ga				
1302+93 Rt		14		4.0	7.2				5.0	2 x 2 12 ga	13.0						1	4	2.25 x 2.25 12 ga				
1303+24 Rt		9		5.0	9.7				7.0	2 x 2 12 ga	11.5						1	4	2.25 x 2.25 12 ga				
1305+39 Lt		9		5.0	9.7				7.0	2 x 2 12 ga	11.5						1	4	2.25 x 2.25 12 ga				
1311+44 Lt	SA B			10.5	11.2				7.0	2.5 x 2.5 10 ga	11.9						1	4	3 x 3 7 ga			1	
1311+48 Rt		379	8.2		11.5				7.0	2.5 x 2.5 12 ga	12.9						1	4	3 x 3 7 ga				
1312+19 Lt		373	8.0		11.2				7.0	2.5 x 2.5 12 ga	13.1						1	4	3 x 3 7 ga				
1312+23 Rt		9		5.0	9.7				7.0	2 x 2 12 ga	11.5						1	4	2.25 x 2.25 12 ga				
1312+66 Lt		9		5.0	9.7				7.0	2 x 2 12 ga	11.5						1	4	2.25 x 2.25 12 ga				
1313+90 Rt		9		5.0	9.7				7.0	2 x 2 12 ga	11.5						1	4	2.25 x 2.25 12 ga				
1314+66 Lt		9		5.0	9.7				7.0	2 x 2 12 ga	11.5						1	4	2.25 x 2.25 12 ga				
1315+57 Rt		373	8.0		11.2				7.0	2.5 x 2.5 12 ga	13.1						1	4	3 x 3 7 ga				
1315+86 Rt	SA D			7.0	10.2				7.0	2.5 x 2.5 12 ga	10.7						1	4	3 x 3 7 ga				
1316+32 Rt	SA B			10.5					7.0														Mount on Light Standard
1317+27 Lt		379	8.2						7.0														Mount on Light Standard
1317+53 Rt	SA D			7.0	10.2				7.0	2.5 x 2.5 12 ga	10.7						1	4	3 x 3 7 ga				
1317+99 Lt	SN 5		27.5		10.7	10.7			7.0	2.5 x 2.5 12 ga	12.2	3.1	3.1			2.25 x 2.25 12 ga	2	8	3 x 3 7 ga			2	
1318+22 Rt	SA C			8.8					7.0														Mount on Light Standard
1318+34 Lt	SA D			7.0	10.2				7.0	2.5 x 2.5 12 ga	10.7						1	4	3 x 3 7 ga				
1319+17 Lt		10		7.5					7.0														Mount on Light Standard
1319+91 Lt	SA D			7.0	10.2				7.0	2.5 x 2.5 12 ga	10.7						1	4	3 x 3 7 ga				
1320+16 Lt		8			7.2				5.0	2 x 2 12 ga	14.6						1	4	2.25 x 2.25 12 ga	1			
1320+26 Lt		9		5.0	9.7				7.0	2 x 2 12 ga	11.5						1	4	2.25 x 2.25 12 ga				
1321+05 Rt	SA C			8.8	9.9				7.0	2.25 x 2.25 12 ga	11.2	3.0				2 x 2 12 ga	1	4	3 x 3 7 ga			1	
1321+07 Lt	SN 11			7.5																			Mount on Signal
1321+23 Rt	SN 6			14.3																			Mount on Signal
1321+48 Rt				7.5																			Mount on Signal
1321+94 Lt	SN 11			7.5																			Mount on Signal
Sub Total			70.6	167.3	**Total**	240.8											**Total**	96		2	0	6	
Grand Total			**70.6**	**167.3**	**Total**	**240.8**											**Total**	**96**	**0**	**2**	**0**	**6**	

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Sign Summary
Perforated Tube

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
N.D.	IM-8-094(090)351	110	1A

Station / RP	Sign No.	Assembly No.	Flat Sheet For Signs IV SF	Flat Sheet For Signs XI SF	Sign Support Length 1st LF	2nd LF	3rd LF	4th LF	Vert Clear-ance FT	Support Size	Max Post Len LF	Sleeve Length 1st LF	2nd LF	3rd LF	4th LF	Sleeve Size	Anchor EA	Anchor LF	Anchor Size	Reset Sign Panel EA	Reset Sign Support EA	Break-Away EA	Comments
University Drive																							
1304+94 Rt				6.8																			Mount on Signal
1304+99 Rt	SN 6			14.3																			Mount on Signal
1305+06 Rt				7.5																			Mount on Signal
1305+16 Rt				7.5																			Mount on Signal
1305+25 Rt				9.0																			Mount on Signal
1312+62 Lt				9.0																			Mount on Signal
1313+32 Lt	SN 6			14.3																			Mount on Signal
1313+48 Lt				7.5																			Mount on Signal
1313+60 Lt				7.5																			Mount on Signal
1313+80 Rt				9.0																			Mount on Signal
1314+26 Rt	SN 6			14.3																			Mount on Signal
1314+39 Rt				7.5																			Mount on Signal
1314+47 Rt				7.5																			Mount on Signal
Sub Total			0.0	121.7		**Total**	0.0										**Total**	0		0	0	0		
Grand Total			**0.0**	**121.7**		**Total**	**0.0**										**Total**	**0**	**0**	**0**	**0**	**0**		

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Sign Summary
Perforated Tube

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	N.D.	IM-8-094(090)351	110	2

Station / RP	Sign / Assembly No.	Flat Sheet For Signs IV SF	Flat Sheet For Signs XI SF	Panel For Signs IV SF	Panel For Signs XI SF	Overlay Panel IV SF	Overlay Panel XI SF	Vert Clear-ance FT	Galv Steel Sheet Standard Pipe 1st	Galv Steel Sheet Standard Pipe 2nd	Size	Galv Steel Post W-Shape Posts 1st LF	Galv Steel Post W-Shape Posts 2nd LF	Galv Steel Post W-Shape Posts 3rd LF	Max Post Len LF	Post Space FT	Revise Fuse Joint EA	Std Pipe Fdn Dia FT	Std Pipe Fdn Dep FT	Std Pipe Fdn Vol CY	W-Shape Pile LF	Remove Sign Fdns Conc Fdn	Remove Sign Fdns W-Shape Pile	Reset Sign Panel EA	Reset Sign Support EA	Stub Post EA	Multi Dir Base EA	Comments
University Drive																												
1304+80 Rt	SN 3/SA E	12.5						7.0	11.1		3.5				16.7			1.3	5.0	0.3								
1304+92 Rt																						1						
1315+25 Lt	SN 7			61.8																								Mounted on Overhead Sign Structure
1315+25 Lt	SN 8			64.0																								Mounted on Overhead Sign Structure
1315+58 Lt																						1						
Sub Total		12.5		125.8				**Total**	11.1			**Total**	0.0							0.3	0	2	0	0	0	0	0	
I-94 Westbound Exit Ramp																												
100+54 Rt																						1						
100+55 Lt	SA F		29.5					7.0	11.7		3.5				16.6			1.3	5.5	0.3								
100+55 Rt	SA F		29.5					7.0	11.7		3.5				16.6			1.3	5.5	0.3								
100+83 Lt																						1						
102+55 Lt	SA G		8.8					7.0	9.2		3.5				21.2			1.3	4.5	0.2								
102+55 Rt	SA G		8.8					7.0	9.2		3.5				21.2			1.3	4.5	0.2								
103+75 Lt	SN 10			306.0																								Mounted on Overhead Sign Structure
103+75 Rt	SN 9			261.0																								Mounted on Overhead Sign Structure
Sub Total			76.6	567.0				**Total**	41.8			**Total**	0.0							1.0	0	2	0	0	0	0	0	
I-94 Westbound Entrance Loop																												
200+40 Lt																						1						
200+49 Lt	SN 4/SA E	12.5						7.0	11.1		3.5				16.7			1.3	5.0	0.3								
200+69 Lt	SA H		12.0					5.0	7.9		3.5				16.7			1.3	4.5	0.2								
201+11 Lt	SA H		12.0					5.0	7.9		3.5				16.7			1.3	4.5	0.2								
201+46 Lt	SA H		12.0					5.0	7.9		3.5				16.7			1.3	4.5	0.2								
201+81 Lt	SA H		12.0					5.0	7.9		3.5				16.7			1.3	4.5	0.2								
202+16 Lt	SA H		12.0					5.0	7.9		3.5				16.7			1.3	4.5	0.2								
202+51 Lt	SA H		12.0					5.0	9.3		3.5				16.7			1.3	5.0	0.3								
202+86 Lt	SA H		12.0					5.0	9.3		3.5				16.7			1.3	5.0	0.3								
203+20 Lt	SA H		12.0					5.0	9.3		3.5				16.7			1.3	5.0	0.3								
203+55 Lt	SA H		12.0					5.0	9.3		3.5				16.7			1.3	5.0	0.3								
203+90 Lt	SA H		12.0					5.0	9.3		3.5				16.7			1.3	5.0	0.3								
204+25 Lt	SA H		12.0					5.0	9.3		3.5				16.7			1.3	5.0	0.3								
Sub Total		12.5	132.0					**Total**	106.4			**Total**	0.0							3.1	0	1	0	0	0	0	0	
I-94 Westbound Entrance Ramp																												
2106+00 Rt	SN 4/SA E	12.5						7.0	11.1		3.5				16.7			1.3	5.0	0.3								
Sub Total		12.5						**Total**	11.1			**Total**	0.0							0.3	0	0	0	0	0	0	0	
Grand Total		**37.5**	**208.6**	**692.8**				**Total**	**170.4**			**Total**	**0.0**							**4.7**	**0**	**5**	**0**	**0**	**0**	**0**	**0**	

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Sign Summary
Round Steel Pipe & W-Shape

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	110	3

NHU-8-081(039)924

Sta 1300+90 Lt
Sign and Support
to Remain
FargoStreets.com

Sta 1301+72 Lt
Sign and Support
to Remain
University Dr S
21 Ave S

Sta 1301+81 Lt
Sign and Support
to Remain
STOP

21st Ave S

TO
NORTH
81

Sta 1302+48 Lt
Sign and Support
to Remain

Sta 1303+40 Lt
Sign to Remain
UNIVERSITY DR

Traf Sig

Traf Sig

I-94 Eastbound
Exit Ramp

Traf Sig

Sta 1304+79 Lt
Sign and Support
to Remain
ONE WAY
ONE WAY
DO NOT
ENTER
Back to Back
Mounted to Back of R5-1

Sta 1299+83 Lt
Sign and Support
to Remain
ONE WAY

Sta 1302+32 Lt
Remove Sign and Support
Reset
Reset
Back to Back

University Dr S

1300 1301 1302 1303 1304 1305

University Dr S

ONE WAY
Back to Back

Sta 1301+84 Lt
Sign and Support
to Remain

Sta 1304+92 Rt
Remove Sign, Support,
and Foundation (1)
ONE WAY

OH Sign

OH Signs to Remain

I-94 Eastbound
Entrance Ramp

Traf Sig

TO
INTERSTATE
NORTH DAKOTA
94
Remain
Remove
Remain

Sta 1300+98 Rt
Sign and Support
to Remain

Randy's
University Diner

STOP
NO
PARKING
THIS SIDE
OF STREET

Sta 1301+92 Rt
Remove Sign and Support

21st Ave S

Sta 1302+81 Rt
Remove Sign and Support

Petro Serve USA

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Adam M. Ruud
Registration Number
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North Dakota Department
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Existing Signing

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	110	4

NHU-8-081(039)924

Sta 1305+81 Lt
Sign and Support
to Remain

Sta 1305+96 Lt
Sign and Support
to Remain

Sta 1306+00 Lt
Sign and Support
to Remain

Sta 1306+73 Lt
Sign and Support
to Remain

Remain

Salvage

See Note 1

Sta 1307+30 Lt
Sign and Support
to Remain

Sta 1305+25 Lt
Sign and Support
to Remain

I-94 Eastbound
Entrance Loop

I-94 Westbound

OH Sign

OH Sign to Remain

University Dr S

1305 1306 1307 1308 1309 1310

University Dr S

OH Sign

OH Sign to Remain

Traf Sig

Traf Sig

UNIVERSITY DR
Sta 1304+86 Rt
Remove Sign

I-94 Eastbound
Entrance Ramp

Sta 1306+07 Rt
Sign and Support
to Remain

I-94 Eastbound

Note:

1. Remove and salvage sign. Sign to remain property of the City of Fargo and be delivered to the City of Fargo Public Works shop at 402 23rd St N, Fargo, ND 58102. Call 24 hours prior to delivery at (701) 241-1453. Include all costs to remove, salvage, and deliver sign in other signing bid items.

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Existing Signing

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	110	5

NHU-8-081(039)924

Sta 1313+60 Lt
Remove Sign and Support

Sta 1313+79 Lt
Remove Sign and Support

I-94 Westbound
Entrance Ramp

Traf Sig

OH Sign

Traf Sig

University Dr S

Sta 1313+58 Lt
Remove Sign, Support,
and Foundation (1)

University Dr
Sta 1313+67 Lt
Remove Sign

Remove OH Signs

OH Sign

1310 1311 1312 1313 1314 1315

University Dr S

I-94 Westbound

See Sheet 110-8 for
Existing Ramp Signing

I-94 Westbound
Entrance Loop

I-94 Westbound Exit Ramp

Traf Sig

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Existing Signing

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	110	6

NHU-8-081(039)924

Loaf 'N Jug

Sta 1317+02 Lt
Remove Sign

TO
INTERSTATE
NORTH DAKOTA
29

Taco Shop

US Bank

Sta 1319+68 Lt
Remove Sign

SPEED LIMIT 35
EMERGENCY SNOW ROUTE

Sta 1316+21 Lt
Remove Sign and Support

Sta 1318+11 Lt
Remove Sign

END
CENTER LANE
ONLY

Sta 1319+17 Lt
Remove Sign and Support

94
Bismarck
Minneapolis
RIGHT LANE

OH Sign

University Dr S

1315 1316 1317 1318 1319 1320

University Dr S

BEGIN
CENTER LANE
ONLY

Sta 1316+48 Rt
Remove Sign

SPEED LIMIT 35

Sta 1317+60 Rt
Remove Sign

AHEAD

Sta 1318+98 Rt
Remove Sign

NORTH
81
MILE
0.5

Sta 1319+89 Rt
Remove Sign and Support

Nativity Church of Fargo

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Existing Signing

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	110	7

NHU-8-081(039)924

Sta 1320+77 Lt
Remove Sign and Support
Reset
PRIVATE PROPERTY NO THRU TRAFFIC

Sta 1321+07 Lt
Sign to Remain
18th Ave S

Traf Sig

18th Ave S

Sta 1321+78 Lt
Sign to Remain
University Dr S

Sta 1321+78 Lt
Sign to Remain
LEFT TURN YIELD ON GREEN

Sta 1321+99 Lt
Sign and Support
to Remain

Traf Sig

Sta 1323+88 Lt
Sign and Support
to Remain
AHEAD

Sta 1324+53 Lt
Sign to Remain
TO
INTERSTATE
NORTH DAKOTA
29

Sanford

University Dr S

1320 1321 1322 1323 1324 1325

Sta 1321+27 Rt
Remove Sign
University Dr

Traf Sig

TRUCK ROUTE
NO TRUCK TRAILER PARKING ON CITY STREETS

Sta 1320+41 Rt
Remove Sign and Support

FargoStreets.com

Sta 1320+72 Rt
Remove Sign and Support

Sta 1321+13 Rt
Remove Sign and Support

18th Ave S

Traf Sig

18th Ave S

Sta 1321+95 Rt
Sign to Remain

Sta 1323+61 Rt
Sign to Remain
THRU TRAFFIC MERGE LEFT

Sanford

University Dr S

Sta 1325+36 Rt
Sign to Remain
LANE ENDS MERGE RIGHT

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Existing Signing

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	110	8

NHU-8-081(039)924

Sta 100+83 Lt (EX_WBEX)
Remove Sign, Support,
and Foundation (1)

YIELD

Sta 104+42 Lt
Sign and Support
to Remain

N

100

101

102

103

104

105

I-94 Westbound Exit Ramp

I-94 Westbound
Entrance Loop

University Dr S

Trail Sig

OH Sign

Remove OH Signs

DO NOT
ENTER

Sta 100+54 Rt (EX_WBEX)
Remove Sign, Support,
and Foundation (1)

EXIT

Sta 200+40 Lt (EX_WBENT_LOOP)
Remove Sign, Support,
and Foundation (1)

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Existing Signing

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	110	9

NHU-8-081(039)924

Sta 1300+90 Lt
Sign and Support
to Remain
FargoStreets.com

Sta 1301+72 Lt
Sign and Support
to Remain
University Dr S
21 Ave S

Sta 1301+81 Lt
Sign and Support
to Remain
STOP

21st Ave S

TO
NORTH
81

Sta 1302+48 Lt
Sign and Support
to Remain

Sta 1303+40 Lt
Sign to Remain
UNIVERSITY DR

I-94 Eastbound
Exit Ramp

Sta 1304+79 Lt
Sign and Support
to Remain
ONE WAY
ONE WAY
Back to Back
Mounted to Back of R5-1
DO NOT
ENTER

Sta 1302+32 Lt
Reset Signs on New Support
New R6-1R-36 Sign
Special Assemly I
ONE WAY
R6-1R-36
Reset
Back to Back
Reset

Sta 1299+83 Lt
Sign and Support
to Remain
ONE WAY

Sta 1301+84 Lt
Sign and Support
to Remain
ONE WAY
Back to Back

University Dr S

Sign SN 3
EAST
INTERSTATE
94

Sta 1304+80 Rt
New Sign, Support, and
Foundation (1)
Special Assembly E

1300 1301 1302 1303 1304 1305

Sta 1302+15 Rt
New Sign and Support
Special Assembly 1D
21 Ave S
University Dr
Sign SN 2
Sign SN 1 (Back to Back)

University Dr S

OH Sign

Type D White
Delineators
(Typ.)

OH Signs
to Remain

I-94 Eastbound
Entrance Ramp

Type D Yellow
Delineators
(Typ.)

TO
INTERSTATE
NORTH DAKOTA
29
Remain
M1-1-24
Remain
Sta 1300+98 Rt
Sign and Support
to Remain

Randy's
University Diner

STOP
R1-1-30
R8-3-24
Sta 1302+06 Rt
New Sign and Support
Special Assembly A

Petro Serve USA

21st Ave S

STOP
R1-1-30
Sta 1302+65 Rt
New Sign and Support
Assembly No. 1

EXIT
15
MPH
W13-2-24
Sta 1303+24 Rt
New Sign and Support
Assembly No. 9

Sta 1302+93 Rt
New Sign and Support
Assembly No. 14
R8-3-24

Item	Description	Quantity	Unit
754-0198	DIAMOND GRADE DELINEATORS-TYPE D		
	Yellow	3	EA
	White	3	EA
	Total	6	EA

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Proposed Signing

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	110	10

NHU-8-081(039)924

Sta 1305+81 Lt
Sign and Support
to Remain

Sta 1305+96 Lt
Sign and Support
to Remain

Sta 1306+00 Lt
Sign and Support
to Remain

Sta 1306+73 Lt
Sign and Support
to Remain

Sta 1307+30 Lt
Sign and Support
to Remain

Sta 1305+25 Lt
Sign and Support
to Remain

I-94 Eastbound
Entrance Loop

I-94 Westbound

Sta 1305+39 Lt
New Sign and Support
Assembly No. 9

R4-7-24

Type D Flexible Delineator

Type D Flexible Delineator

University Dr S

OH Sign

OH Sign to Remain

1305 1306 1307 1308 1309 1310

Sta 1304+94 Rt
Mount New Sign on Signal Support
Refer to Standard Drawing D-754-47

R6-1R-54

University Dr S

OH Sign

OH Sign to Remain

R3-5L-30

Sta 1305+06 Rt
Sta 1305+16 Rt
Mount New Sign
on Mast Arm

R3-2-36

Sta 1305+25 Rt
Mount New Sign
on Mast Arm

Sign SN 6

Sta 1304+99 Rt
Mount New Sign
on Mast Arm

I-94 Eastbound
Entrance Ramp

Sta 1306+07 Rt
Sign and Support
to Remain

I-94 Eastbound

Item	Description	Quantity	Unit
754-0193	FLEXIBLE DELINEATORS-TYPE D Yellow	2	EA

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Proposed Signing

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	110	11

NHU-8-081(039)924

Sta 1311+44 Lt
New Sign and Support
Special Assembly B

R2-1-30 SPEED LIMIT 35

R14-1-24 TRUCK ROUTE

Sta 1312+62 Lt
Mount New Sign
on Mast Arm

R3-2-36

Sta 1312+19 Lt
New Sign and Support
Assembly No. 373

M3-3-24 SOUTH

M4-3-24 BUSINESS

M1-4-24 81

I-94 Westbound
Entrance Ramp

Sta 1313+32 Lt
Mount New Sign
on Mast Arm

University Dr
Sign SN 6

Sta 1313+48 Lt
Sta 1313+60 Lt
Mount New Sign
on Mast Arm

ONLY

R3-5L-30

Sta 1314+66 Lt
New Sign and Support
Assembly No. 9

EXIT 25 MPH

W13-2-24

Type D
White Delineators
(Typ.)

See Sheet 110-14 for
Proposed Ramp Signing

Type D Yellow
Delineators
(Typ.)

OH Sign

Type D Flexible Delineator

Type D
Flexible Delineator

University Dr S

1310 1311 1312 1313 1314 1315

Type D Flexible Delineator

University Dr S

I-94 Westbound

TO INTERSTATE NORTH DAKOTA 29

M4-5-24

M1-1-24

M6-2R-21

Sta 1311+48 Rt
New Sign and Support
Assembly No. 379

R4-7-24

Sta 1312+66 Lt
Sta 1313+90 Rt
New Sign and Support
Assembly No. 9

EXIT 15 MPH

W13-2-24

Sta 1312+23 Rt
New Sign and Support
Assembly No. 9

See Sheet 110-14 for
Proposed Ramp Signing

I-94 Westbound
Entrance Loop

I-94 Westbound Exit Ramp

ONLY

R3-5R-30

Sta 1314+39 Rt
Sta 1314+47 Rt
Mount New Sign
on Mast Arm

Sign SN 6
University Dr

Sta 1314+26 Rt
Mount New Sign
on Mast Arm

R3-2-36

Sta 1313+80 Rt
Mount New Sign
on Mast Arm

Item	Description	Quantity	Unit
754-0193	FLEXIBLE DELINEATORS-TYPE D		
	Yellow	3	EA
754-0198	DIAMOND GRADE DELINEATORS-TYPE D		
	Yellow	3	EA
	White	3	EA
	Total	6	EA

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Proposed Signing

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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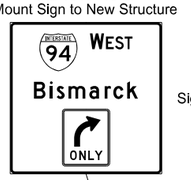
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	110	12

NHU-8-081(039)924

Sta 1315+10 Lt
Mount Sign to New Structure



Sign SN 8

Sta 1317+27 Lt
Mount New Sign on Light Standard
Assembly No. 379

M4-5-24
M1-1-24
M6-2R-21

Loaf 'N Jug

Taco Shop

US Bank

Sta 1315+86 Rt
New Sign and Support
Special Assembly D

R6-1R-36
R3-2-24

Sta 1317+99 Lt
New Sign and Support
Refer to Std Drawing D-754-48

Sign SN 5

Sta 1318+34 Lt
New Sign and Support
Special Assembly D

R6-1R-36
R3-2-24

Sta 1319+17 Lt
Mount New Sign on Light Standard
Assembly No. 10

R2-1-30

University Dr S

1315 1316 1317 1318 1319 1320

Type D Flexible Delineators

University Dr S

Sta 1315+10 Lt
Mount Sign to New Structure

Sign SN 7

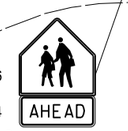
R2-1-30
R14-1-24

Sta 1316+32 Rt
Mount New Sign on Light Standard
Special Assembly B

R6-1R-36
R3-2-24

Sta 1317+53 Rt
New Sign and Support
Special Assembly D

S1-1-36
W16-9p-24



Sta 1318+22 Rt
Mount New Sign on Light Standard
Special Assembly C
Fluorescent Yellow Green Signs

D10-3-10
Back to Back

Sta 1319+89 Rt
New Reference Marker
and Support

M3-1-24
M4-3-24
M1-4-24

Sta 1315+57 Rt
New Sign and Support
Assembly No. 373

Nativity Church of Fargo

Item	Description	Quantity	Unit
754-0193	FLEXIBLE DELINEATORS-TYPE D Yellow	2	EA
754-0563	REFERENCE MARKER-TYPE C Sta 1319+89 Rt	1	EA

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Proposed Signing

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	110	13

NHU-8-081(039)924

Sta 1320+16 Lt
Reset Sign on New Support
Assembly No. 8

PRIVATE PROPERTY NO THRU TRAFFIC

Reset

Sta 1321+07 Lt
Sign to Remain

18th Ave S

Sta 1320+26 Lt
New Sign and Support
Assembly No. 9

R4-7-24

18th Ave S

Sta 1321+78 Lt
Sign to Remain

LEFT TURN YIELD ON GREEN

Sta 1321+78 Lt
Sign to Remain

University Dr S

Sta 1321+99 Lt
Sign and Support
to Remain

Sta 1323+88 Lt
Sign and Support
to Remain

AHEAD

Sta 1324+53 Lt
Sign to Remain

TO INTERSTATE NORTH DAKOTA 29

Sanford

Sta 1321+07 Lt
Sta 1321+94 Lt
Mount New Sign
on Mast Arm

LEFT TURN YIELD ON FLASHING

Sign SN 11

University Dr S

1320 1321 1322 1323 1324 1325

Sta 1321+23 Rt
Mount New Sign
on Mast Arm

University Dr

Sign SN 6

University Dr S

Sta 1325+36 Rt
Sign to Remain

LANE ENDS MERGE RIGHT

Type D
Flexible Delineator

ONE WAY

R1-6R-36

R3-2-24

Sta 1319+91 Lt
New Sign and Suport
Special Assembly D

18th Ave S

Sta 1321+95 Rt
Sign to Remain

THRU TRAFFIC MERGE LEFT

Sta 1323+61 Rt
Sign to Remain

S1-1-36

M6-2aL-21

Sta 1321+05 Rt
New Sign and Support
Special Assembly C
Fluorescent Yellow Green Signs

LEFT TURN YIELD ON GREEN

R10-12-30

Sta 1321+48 Rt
Mount New Sign
on Mast Arm

18th Ave S

Sanford

Item	Description	Quantity	Unit
754-0193	FLEXIBLE DELINEATORS-TYPE D Yellow	1	EA

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Proposed Signing

Business US 81 (University Drive)
21st Ave S to 18th Ave S

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	110	14

NHU-8-081(039)924

Type D White Delineators (Typ.)

Sta 100+55 Lt (EX_WBEX)
Sta 100+55 Rt (EX_WBEX)
New Sign, Support, and Foundation (1)
Special Assembly F

Back to Back
ONE WAY R6-1L-54
DO NOT ENTER R5-1-48

Type D Flexible Delineator

Sta 102+55 Lt (EX_WBEX)
Sta 102+55 Rt (EX_WBEX)
New Sign, Support, and Foundation (1)
Special Assembly G

R5-1a-42 WRONG WAY

Turn sign approximately 15° towards the Westbound exit ramp

Sta 104+42 Lt
Sign and Support to Remain

N

University Dr S

I-94 Westbound Exit Ramp

I-94 Westbound Entrance Loop

I-94 Westbound Entrance Ramp

Type D Flexible Delineator

Type D White Delineators (Typ.)

Type D Flexible Delineator

101 102 103 104 105 200 201 202 203 204 2101 2106

NORTH BUSINESS 81 University Dr Downtown

Sign SN 10

Sta 103+75 Lt (EX_WBEX)
Mount Sign to New Structure

SOUTH BUSINESS 81 University Dr

Sign SN 9

Sta 103+75 Rt (EX_WBEX)
Mount Sign to New Structure

WEST INTERSTATE 94

Sign SN 4

Sta 200+49 Lt (EX_WBENT_LOOP)
Sta 2106+00 Rt (PR_WBENT)
New Sign, Support,
and Foundation (1)
Special Assembly E

W1-8-36

Sta 200+69 Lt (EX_WBENT_LOOP)
Sta 201+11 Lt (EX_WBENT_LOOP)
Sta 201+46 Lt (EX_WBENT_LOOP)
Sta 201+81 Lt (EX_WBENT_LOOP)
Sta 202+16 Lt (EX_WBENT_LOOP)
Sta 202+51 Lt (EX_WBENT_LOOP)
Sta 202+86 Lt (EX_WBENT_LOOP)
Sta 203+20 Lt (EX_WBENT_LOOP)
Sta 203+55 Lt (EX_WBENT_LOOP)
Sta 203+90 Lt (EX_WBENT_LOOP)
Sta 204+25 Lt (EX_WBENT_LOOP)
New Sign, Support, and Foundation (1)
Special Assembly H

Remove Existing Yellow Delineators from Sta 200+69 Lt to Sta 204+25 Lt (EX_WBENT_LOOP)

I-94 Westbound

Item	Description	Quantity	Unit
754-0193	FLEXIBLE DELINEATORS-TYPE D		
	Yellow	3	EA
754-0198	DIAMOND GRADE DELINEATORS-TYPE D		
	White	6	EA

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Proposed Signing

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	110	15

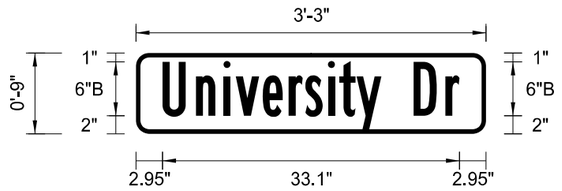
NHU-8-081(039)924

SIGN NUMBER	SN 1
WIDTH x HEIGHT	3'-3" x 0'-9"
BORDER WIDTH	0.5" (inset 0")
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Type IV Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Type IV Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE

STATION(S): 1302+15 Rt

AREA: 2.4 Sq.Ft.



Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

PANEL STYLE: ND_Street_Name_Conv_Border.ssi

LETTER POSITION (X)																			LENGTH	SIZE	SERIES
U	n	i	v	e	r	s	i	t	y	D	r								33.1	6/4.5	B 2000
3	6.7	9.8	11.1	14.1	17	18.9	21.4	22.7	24.6	30.9	34.5										

SIGN NUMBER	SN 2
WIDTH x HEIGHT	2'-6" x 0'-9"
BORDER WIDTH	0.5" (inset 0")
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Type IV Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Type IV Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE

STATION(S): 1302+15 Rt

AREA: 1.9 Sq.Ft.

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

PANEL STYLE: ND_Street_Name_Conv_Border.ssi

LETTER POSITION (X)																			LENGTH	SIZE	SERIES
2	1	A	v	e	S														23	6/4.5	B 2000
3.5	6.7	11.6	15.1	18.1	23.9																

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Sign Details

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	110	16

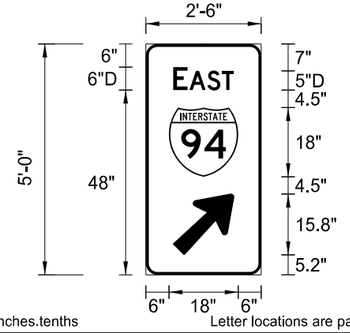
NHU-8-081(039)924

SIGN NUMBER	SN 3
WIDTH x HEIGHT	2'-6" x 5'-0"
BORDER WIDTH	0.75" (inset 0")
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Type IV Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Type IV Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE
M1_1	6	25.5	18	18	0
ND_6IN_TYPE A	7.1	5.2	12	20	315

STATION(S): 1304+80 Rt

AREA: 12.5 Sq.Ft.



Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

PANEL STYLE: ND_Conv_Destination.ssl

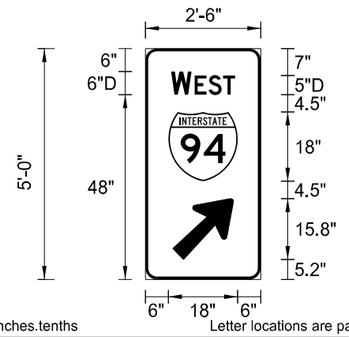
LETTER POSITION (X)																		LENGTH	SIZE	SERIES
E	A	S	T															15.7	6,5	D 2000
7.1	11.3	16	19.8																	

SIGN NUMBER	SN 4
WIDTH x HEIGHT	2'-6" x 5'-0"
BORDER WIDTH	0.75" (inset 0")
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Type IV Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Type IV Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE
M1_1	6	25.5	18	18	0
ND_6IN_TYPE A	7.1	5.2	12	20	315

STATION(S): 200+49 Lt, 2106+00 Rt

AREA: 12.5 Sq.Ft.



Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

PANEL STYLE: ND_Conv_Destination.ssl

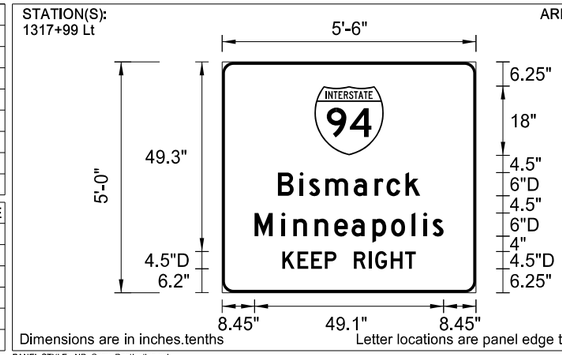
LETTER POSITION (X)																		LENGTH	SIZE	SERIES
W	E	S	T															16.6	6,5	D 2000
6.7	12.8	16.4	20.2																	

SIGN NUMBER	SN 5
WIDTH x HEIGHT	5'-6" x 5'-0"
BORDER WIDTH	0.75" (inset 0")
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: Type IV Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Type IV Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE
M1_1	24	35.8	18	18	0

STATION(S): 1317+99 Lt

AREA: 27.5 Sq.Ft.

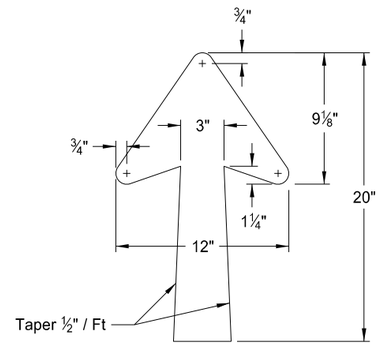


Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

PANEL STYLE: ND_Conv_Destination.ssl

LETTER POSITION (X)																		LENGTH	SIZE	SERIES
B	i	s	m	a	r	c	k											37	6/4.5	D 2000
14.5	20.2	22.6	26.8	34.2	39.6	42.7	47.6													
M	i	n	n	e	a	p	o	l	i	s								49.1	6/4.5	D 2000
8.4	15.4	18.5	24	29.1	33.6	39	43.9	49.2	52.3	54.7										
K	E	E	P	R	I	G	H	T										34.7	4.5	D 2000
15.7	19.6	23.1	26.7	34.2	38.1	39.8	43.8	47.6												



ND_6IN_TYPE A

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Sign Details

Business US 81 (University Drive)
21st Ave S to 18th Ave S

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	IM-8-094(090)351	110	17

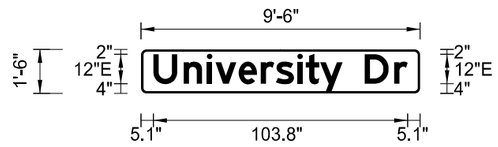
NHU-8-081(039)924

SIGN NUMBER	SN 6
WIDTH x HEIGHT	9'-6" x 1'-6"
BORDER WIDTH	1" (inset 0")
CORNER RADIUS	2.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Type XI Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Type XI Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE

STATION(S):
1304+99 Rt
1313+32 Lt
1314+26 Rt
1321+23 Rt

AREA: 14.3 Sq.Ft.



Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

PANEL STYLE: ND_Street_Name_Overhead_Border.ssl

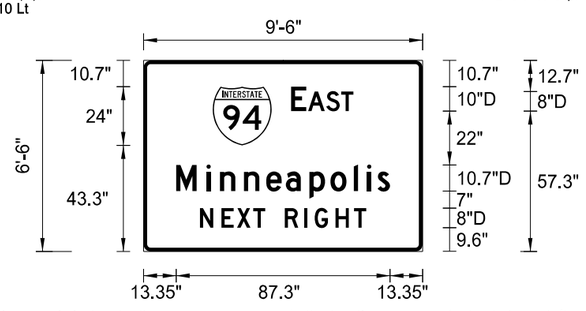
LETTER POSITION (X)																			LENGTH	SIZE	SERIES
U	n	i	v	e	r	s	i	t	y	D	r								103.8	12/9	E 2000
5.1	17.5	26.9	30.4	39.9	48.9	55.1	63.9	67.3	73.1	91.4	103.4										

SIGN NUMBER	SN 7
WIDTH x HEIGHT	9'-6" x 6'-6"
BORDER WIDTH	1.5" (inset 0")
CORNER RADIUS	3"
MOUNTING	Overhead
BACKGROUND	TYPE: Type XI Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Type XI Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE
M1_1	28.3	43.3	24	24	0

STATION(S):
1315+10 Lt

AREA: 61.8 Sq.Ft.



Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

PANEL STYLE: ND_Conv_Overhead.ssl

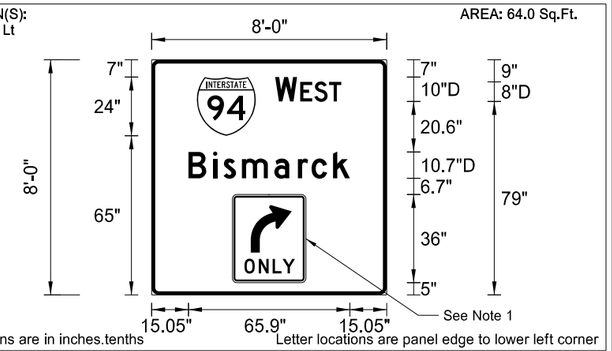
LETTER POSITION (X)																			LENGTH	SIZE	SERIES
E	A	S	T																25.4	10,8	D 2000
60.3	67.2	74.7	80.7																		
M	i	n	n	e	a	p	o	l	i	s									87.3	10.7/8	D 2000
13.3	25.8	31.2	41	50.1	58.1	67.8	76.4	85.9	91.3	95.7											
N	E	X	T		R	I	G	H	T										67.9	8	D 2000
23.1	31.9	38.2	44.8	49.7	57.7	65.6	69.9	78.4	86												

SIGN NUMBER	SN 8
WIDTH x HEIGHT	8'-0" x 8'-0"
BORDER WIDTH	1.5" (inset 0")
CORNER RADIUS	3"
MOUNTING	Overhead
BACKGROUND	TYPE: Type XI Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Type XI Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE
M1_1	18.5	65	24	24	0
R3-5R	33	5	30	36	0

STATION(S):
1315+10 Lt

AREA: 64.0 Sq.Ft.



Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

PANEL STYLE: ND_Conv_Lane Use_Destination.ssl

LETTER POSITION (X)																			LENGTH	SIZE	SERIES
W	E	S	T																27	10,8	D 2000
50.5	60.7	66.4	72.5																		
B	i	s	m	a	r	c	k												65.9	10.7/8	D 2000
15	25.1	29.5	36.9	50.1	59.8	65.4	74.1														

Notes:

1. White Background - Type XI Reflective
   Black Legend and Border - Non Reflective

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Sign Details

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	110	18

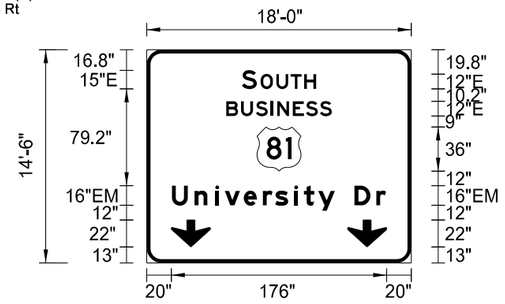
NHU-8-081(039)924

SIGN NUMBER	SN 9
WIDTH x HEIGHT	18'-0" x 14'-6"
BORDER WIDTH	3" (inset 0")
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Type XI Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Type XI Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE
M1_4	90	75	36	36	0
ND_16IN_DOWN	20	12.9	32	22	0
ND_16IN_DOWN	164	12.9	32	22	0

STATION(S): 103+75 Rt

AREA: 261.0 Sq.Ft.



Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

PANEL STYLE: ND_Fwy_Advance_Overhead.ssi

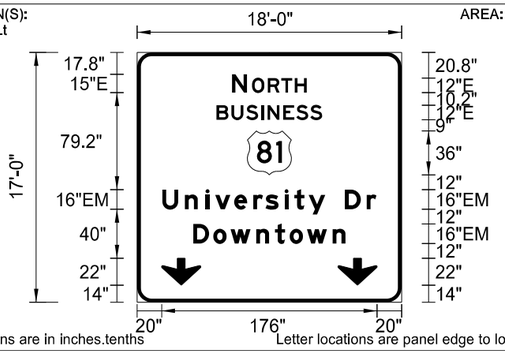
LETTER POSITION (X)																			LENGTH	SIZE	SERIES
S	O	U	T	H															60.6	15,12	E 2000
77.7	92.9	105.8	117.5	128.6																	
B	U	S	I	N	E	S	S												86.3	12	E 2000
64.9	77	89.1	101.2	106.5	119.3	130	141.4														
U	n	i	v	e	r	s	i	t	y	D	r								174.9	16/12	EM 2000
20.6	39	55.9	63.8	79.3	94.8	104.9	120.4	128.4	140.1	169.7	187.4										

SIGN NUMBER	SN 10
WIDTH x HEIGHT	18'-0" x 17'-0"
BORDER WIDTH	3" (inset 0")
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Type XI Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Type XI Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT	ANGLE
M1_4	90	104	36	36	0
ND_16IN_DOWN	20	13.9	32	22	0
ND_16IN_DOWN	164	13.9	32	22	0

STATION(S): 103+75 Lt

AREA: 306.0 Sq.Ft.



Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

PANEL STYLE: ND_Fwy_Advance_Overhead.ssi

LETTER POSITION (X)																			LENGTH	SIZE	SERIES
N	O	R	T	H															60.9	15,12	E 2000
77.6	93.8	106.7	117.7	128.7																	
B	U	S	I	N	E	S	S												86.3	12	E 2000
64.9	77	89.1	101.2	106.5	119.3	130	141.4														
U	n	i	v	e	r	s	i	t	y	D	r								174.9	16/12	EM 2000
20.6	39	55.9	63.8	79.3	94.8	104.9	120.4	128.4	140.1	169.7	187.4										
D	o	w	n	t	o	w	n												124.3	16/12	EM 2000
45.8	62.2	76.2	97.2	112.6	124.6	138.6	159.6														

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Sign Details

Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	110	19

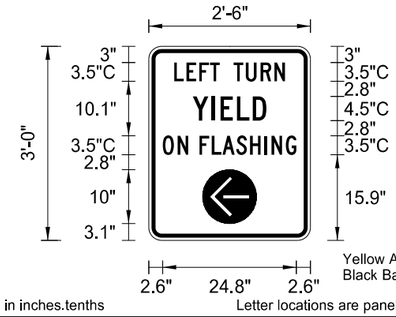
NHU-8-081(039)924

SIGN NUMBER	SN 11
WIDTH x HEIGHT	2'-6" x 3'-0"
BORDER WIDTH	0.75" (inset 0.5")
CORNER RADIUS	1.88"
MOUNTING	Overhead
BACKGROUND	TYPE: Type XI Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective
	COLOR: Black

SYMBOL	X	Y	WID	HT	ANGLE
YLW_ARW	10	3.1	10	10	0

STATION(S):
1321+07 Lt
1321+94 Lt

AREA: 7.5 Sq.Ft.



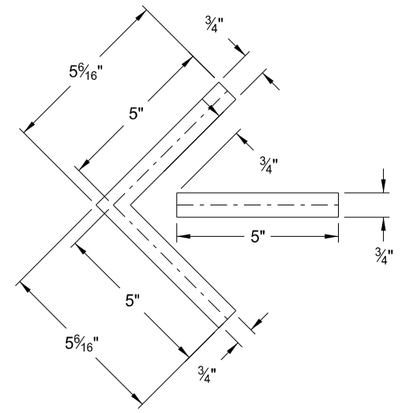
Yellow Arrow - Type XI Reflective
Black Ball - Non-Reflective

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

PANEL STYLE: SS_Flashing Yellow_Signal Sign.ssl

LETTER POSITION (X)																		LENGTH	SIZE	SERIES
L	E	F	T	T	U	R	N											20.6	3.5	C 2000
4.7	7	9.4	11.4	15.8	18	20.8	23.3													
Y	I	E	L	D														13.6	4.5	C 2000
8.2	11.7	13.3	16.4	19.3																
O	N	F	L	A	S	H	I	N	G									24.8	3.5	C 2000
2.6	5.4	9.4	11.7	13.7	16.2	18.8	21.5	22.8	25.4											



YLW_ARW

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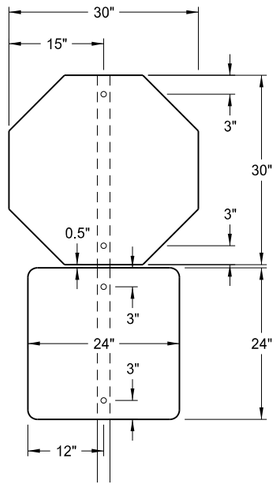
Sign Details

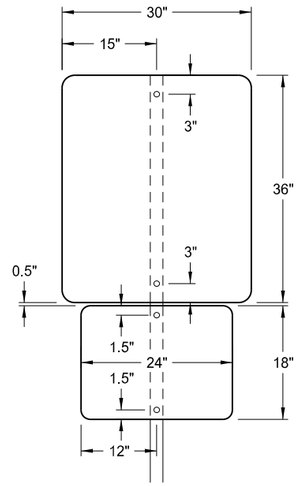
Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	110	20

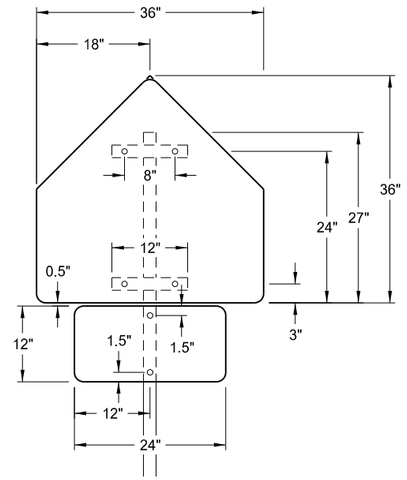
NHU-8-081(039)924



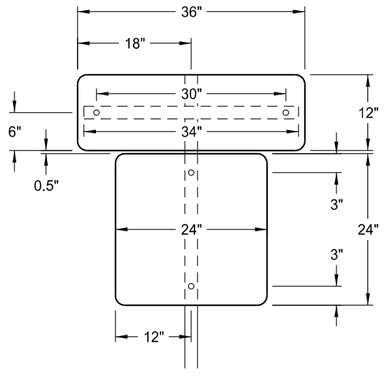
Special Assembly A
(Perforated Tube)



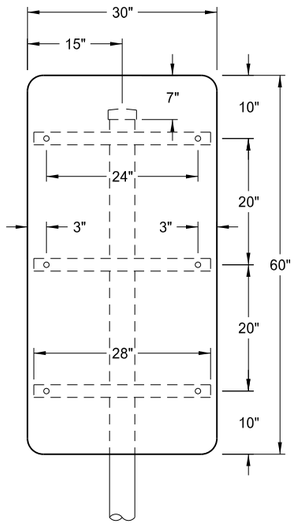
Special Assembly B
(Perforated Tube and Light Standard)



Special Assembly C
(Perforated Tube and Light Standard)



Special Assembly D
(Perforated Tube)



Special Assembly E
(Round Steel Pipe)

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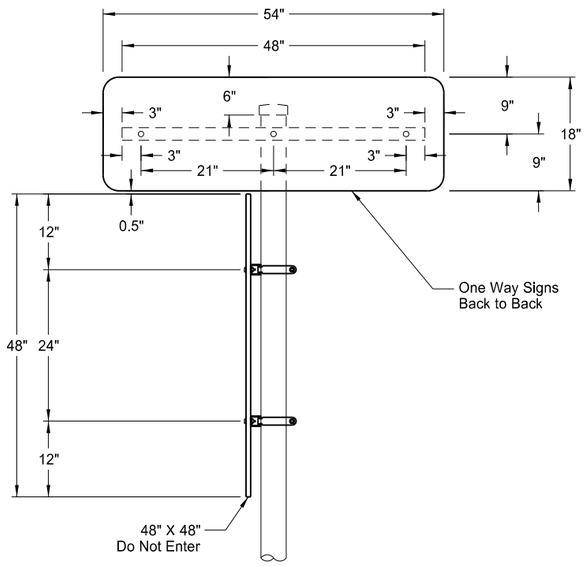
Sign Details
Special Assemblies

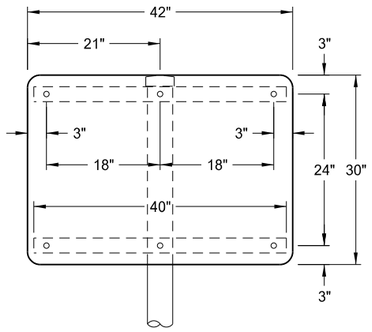
Business US 81 (University Drive)
21st Ave S to 18th Ave S

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	IM-8-094(090)351	110	21

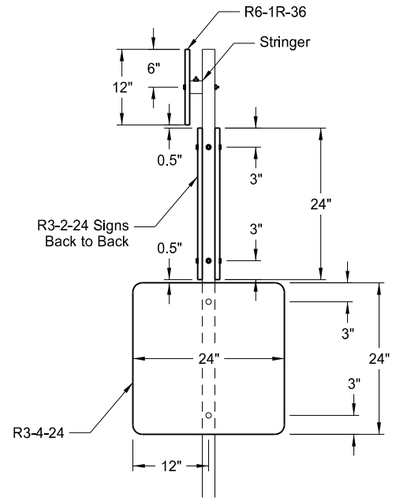
NHU-8-081(039)924



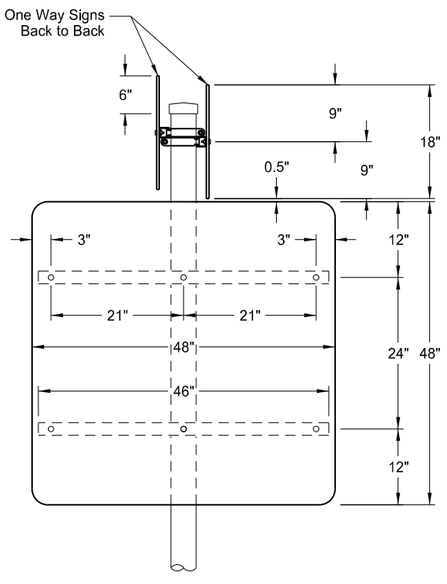
Special Assembly F
(Looking North)
(Round Steel Pipe)



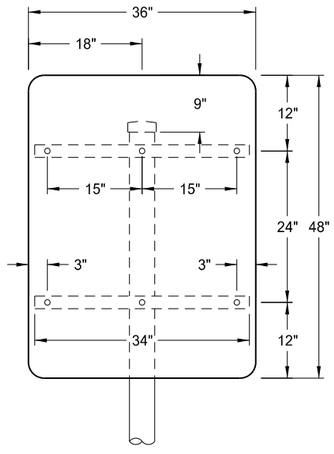
Special Assembly G
(Round Steel Pipe)



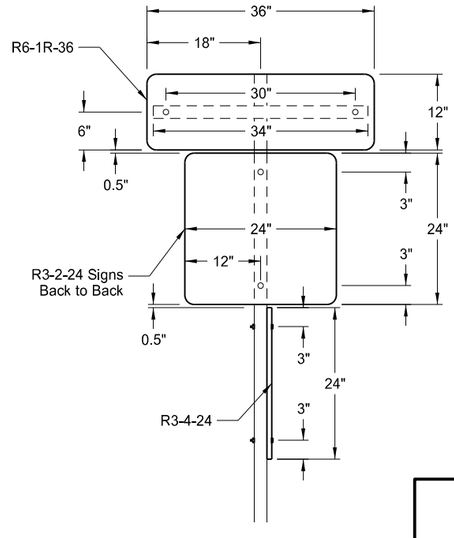
Special Assembly I
(Looking South)
(Perforated Tube)



Special Assembly F
(Looking East)
(Round Steel Pipe)



Special Assembly H
(Round Steel Pipe)



Special Assembly I
(Looking West)
(Perforated Tube)

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Sign Details
Special Assemblies

Business US 81 (University Drive)
21st Ave S to 18th Ave S