

Remove Right of Way Markers		
Station	Offset	
4074+39.38	120.00	LT
4089+39.38	120.00	LT
4089+39.39	140.00	LT
4096+33.59	125.00	LT
4235+47.77	99.38	RT
4239+02.17	102.21	LT
4262+54.66	99.20	RT
4262+54.69	99.31	LT
4270+40.26	99.85	RT
4290+52.30	99.61	RT
4290+52.51	100.10	LT
4292+02.43	109.85	LT
4292+13.74	109.31	RT
4292+67.50	99.38	LT
4292+68.77	109.48	LT
4293+58.21	98.83	RT
4293+58.45	108.89	RT
4338+86.64	99.68	RT
4344+66.82	99.42	RT
4357+58.91	99.73	RT
4364+03.01	99.35	RT
4376+51.58	99.02	LT
4376+51.65	99.41	RT
4383+35.84	100.25	LT
4383+35.99	98.77	RT
4391+76.50	98.93	RT

Remove Right of Way Markers		
Station	Offset	
4396+18.00	98.90	RT
4397+66.44	101.93	LT
4397+67.89	99.18	RT
4402+10.12	99.77	LT
4402+11.77	89.83	RT
4403+99.96	101.45	LT
4404+00.00	100.08	RT
4423+20.56	98.50	RT
4423+22.81	101.11	LT
4435+86.70	99.24	RT
4435+87.25	100.27	LT
4444+57.92	99.89	RT
4448+74.18	99.86	RT
4448+75.24	99.25	LT
4450+23.88	149.69	RT
4450+25.69	100.06	LT
4458+08.49	130.26	LT
4458+12.07	100.85	LT
4460+04.91	98.70	LT
4460+08.47	129.02	LT
4483+10.11	100.15	LT
4483+10.20	169.40	LT
4501+51.01	100.48	RT
4502+99.88	98.90	LT
4507+93.91	99.23	LT
4512+57.45	99.32	LT
4560+86.89	100.03	RT

Remove Right of Way Markers		
Station	Offset	
4586+59.62	99.70	RT
4586+59.84	168.70	RT
4589+49.50	168.70	RT
4590+96.68	169.12	RT
4590+97.40	99.96	RT
4617+60.47	99.66	RT
4617+60.67	119.63	RT
4618+50.96	120.29	RT
4620+57.06	119.76	RT
4620+57.16	99.59	RT
4636+57.69	80.54	LT
4693+21.59	100.47	RT
4695+92.38	159.52	RT
4697+79.20	99.91	RT
4714+01.03	100.37	LT
4716+47.08	98.71	LT
4753+71.70	91.27	LT
4771+56.88	74.12	LT
4775+00.58	116.12	LT
4791+44.96	91.61	LT
4802+06.79	77.49	LT
4804+84.48	137.31	LT
4817+52.30	124.98	RT
4817+98.04	73.65	LT
4819+98.77	125.18	RT
4820+16.37	76.35	LT
4827+56.53	78.20	LT

Remove Right of Way Markers		
Station	Offset	
4827+56.67	108.07	LT
4829+07.52	120.40	RT
4829+07.53	129.89	RT
4829+09.89	109.05	LT
4830+06.62	119.53	RT
4830+07.30	129.48	RT
4830+26.05	79.63	LT
4830+26.14	109.64	LT
4835+61.21	117.27	RT
4835+62.25	81.67	LT
4854+52.80	92.18	LT
4870+51.69	100.52	LT
4879+50.48	169.38	LT
4879+50.88	109.55	LT
4882+51.65	163.78	RT
4883+06.92	100.44	LT
4885+55.82	163.27	RT
4885+56.22	99.07	RT
4894+59.91	100.15	LT
4901+53.69	99.96	LT
4950+62.18	158.87	RT
4950+62.63	97.94	RT
4952+86.78	159.33	RT
4952+94.41	99.33	LT
4957+05.80	100.56	RT
TOTAL	105	

Note: All stations are based off of the existing alignment (ND200)

This document was originally issued and sealed by  
 Craig Mizera  
 Registration Number  
 PE- 7475,  
 on 09/15/15 and the original document is stored at the  
 North Dakota Department  
 of Transportation

ND Hwy 200  
 Monuments and  
 Right of Way Markers

Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
3963+31	102'	Rt	622764.06	1303272.22	1	0	0	0
3963+32	101'	Lt	622966.39	1303279.59	1	0	0	0
3963+38	101'	Rt	622764.85	1303278.91	0	0	0	1
3963+38	100'	Lt	622965.17	1303286.21	0	0	0	1
3964+38	0'	Rt	622862.03	1303382.74	0	1	0	0
3965+28	363'	Lt	623221.95	1303483.97	0	0	1	0
3965+34	365'	Lt	623223.28	1303490.57	1	0	0	0
3965+36	336'	Rt	622522.71	1303469.69	0	0	1	0
3965+43	337'	Rt	622521.40	1303476.29	1	0	0	0
3966+36	198'	Rt	622657.34	1303574.31	0	0	0	1
3966+38	200'	Lt	623055.42	1303589.38	0	0	0	1
3966+40	204'	Rt	622651.76	1303578.07	1	0	0	0
3966+42	206'	Lt	623060.71	1303593.53	1	0	0	0
3966+96	150'	Lt	623003.51	1303645.48	0	0	1	0
3966+97	157'	Lt	623010.11	1303646.75	1	0	0	0
3967+74	100'	Rt	622751.06	1303715.01	0	0	1	0
3967+75	107'	Rt	622744.38	1303715.85	1	0	0	0
3969+37	157'	Lt	623002.16	1303886.67	1	0	0	0
3969+38	150'	Lt	622995.48	1303887.50	0	0	1	0
3969+38	100'	Lt	622945.51	1303885.84	0	0	1	0
3969+39	107'	Lt	622952.12	1303887.12	1	0	0	0
3990+87	107'	Lt	622880.94	1306033.65	1	0	0	0
3990+87	107'	Rt	622667.76	1306026.63	1	0	0	0
3990+88	100'	Lt	622874.26	1306034.49	0	0	0	1
3990+88	100'	Rt	622674.37	1306027.90	0	0	0	1
3990+88	0'	Rt	622774.32	1306031.20	0	1	0	0
4016+36	107'	Lt	622797.04	1308581.02	1	0	0	0
4016+37	107'	Rt	622583.84	1308574.95	1	0	0	0
4016+37	100'	Lt	622790.37	1308581.86	0	0	0	1
4016+38	100'	Rt	622590.44	1308576.22	0	0	0	1
4017+03	107'	Lt	622794.82	1308648.46	1	0	0	0
4017+03	107'	Rt	622581.65	1308641.44	1	0	0	0
4017+04	100'	Lt	622788.15	1308649.29	0	0	1	0
4017+04	100'	Rt	622588.26	1308642.71	0	0	1	0
4017+37	0'	Rt	622687.11	1308678.99	0	1	0	0
4017+70	100'	Rt	622586.16	1308708.68	0	0	1	0
4017+71	100'	Lt	622786.05	1308715.26	0	0	1	0
4017+71	107'	Rt	622579.48	1308709.53	1	0	0	0
4017+72	107'	Lt	622792.66	1308716.52	1	0	0	0
4018+37	100'	Lt	622784.01	1308781.99	0	0	0	1
4018+37	100'	Rt	622584.10	1308775.89	0	0	0	1
4018+38	107'	Lt	622790.62	1308783.25	1	0	0	0
4018+38	107'	Rt	622577.43	1308776.74	1	0	0	0
4019+69	107'	Rt	622573.44	1308907.33	1	0	0	0
4019+70	100'	Rt	622580.05	1308908.59	0	0	1	0
4020+89	107'	Lt	622782.97	1309033.63	1	0	0	0
4020+90	150'	Lt	622776.30	1309034.48	0	0	1	0
4020+90	130'	Lt	622806.28	1309035.39	0	0	1	0
4020+91	137'	Lt	622812.89	1309036.65	1	0	0	0
4022+39	107'	Rt	622565.20	1309176.95	1	0	0	0
4022+40	100'	Rt	622571.81	1309178.20	0	0	1	0
4025+39	137'	Lt	622799.21	1309484.33	1	0	0	0
4025+40	130'	Lt	622792.54	1309485.18	0	0	1	0
4025+40	100'	Lt	622762.55	1309484.27	0	0	1	0
4025+41	107'	Lt	622769.16	1309485.52	1	0	0	0
4026+39	107'	Rt	622552.98	1309576.76	1	0	0	0
4026+40	100'	Rt	622559.59	1309578.01	0	0	1	0
4029+71	107'	Rt	622542.83	1309908.87	1	0	0	0
4029+72	100'	Rt	622549.44	1309910.12	0	0	1	0
4032+56	107'	Rt	622534.12	1310193.74	1	0	0	0
4032+57	100'	Rt	622540.74	1310194.99	0	0	1	0
4040+39	107'	Lt	622723.39	1310983.00	1	0	0	0
4040+39	107'	Rt	622510.20	1310976.49	1	0	0	0
4040+40	155'	Rt	622461.85	1310975.77	0	0	1	0
4040+40	100'	Lt	622716.72	1310983.85	0	0	1	0
4040+40	120'	Lt	622736.71	1310984.46	0	0	1	0
4040+40	100'	Rt	622516.81	1310977.74	0	0	1	0
4040+41	127'	Lt	622743.32	1310985.72	1	0	0	0
4040+41	162'	Rt	622455.16	1310976.91	1	0	0	0
4043+69	127'	Lt	622733.30	1311313.59	1	0	0	0
4043+70	120'	Lt	622726.63	1311314.44	0	0	1	0
4043+70	100'	Lt	622706.63	1311313.82	0	0	1	0
4043+70	155'	Rt	622451.75	1311306.04	0	0	0	1

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	2

Note: All stations are based off of the existing alignment (ND200)

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ND Hwy 200  
 Monuments and  
 Right of Way Markers

Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4043+70	0'	Rt	622606.68	1311310.77	0	1	0	0
4043+70	2'	Rt	622604.56	1311310.71	0	1	0	0
4043+71	107"	Lt	622713.24	1311315.08	1	0	0	0
4043+71	162"	Rt	622445.08	1311306.88	1	0	0	0
4044+50	0'	Rt	622604.24	1311390.42	0	1	0	0
4044+89	162"	Rt	622441.48	1311424.60	1	0	0	0
4044+90	100'	Rt	622503.07	1311427.53	0	0	1	0
4044+90	155"	Rt	622448.09	1311425.85	0	0	1	0
4044+91	107"	Rt	622496.42	1311428.47	1	0	0	0
4047+00	0'	Rt	622596.61	1311640.23	0	1	0	0
4047+24	3'	Rt	622593.35	1311664.59	0	1	0	0
4049+24	107"	Rt	622483.16	1311861.05	1	0	0	0
4049+25	125'	Rt	622464.79	1311861.54	0	0	1	0
4049+25	100'	Rt	622489.78	1311862.30	0	0	1	0
4049+26	132'	Rt	622458.11	1311862.39	1	0	0	0
4049+50	8'	Rt	622580.65	1311889.65	0	1	0	0
4050+50	12'	Rt	622574.24	1311989.92	0	1	0	0
4053+00	20'	Rt	622558.29	1312239.34	0	1	0	0
4053+44	132'	Rt	622445.35	1312280.09	1	0	0	0
4053+45	125'	Rt	622451.96	1312281.34	0	0	1	0
4053+45	175'	Rt	622401.98	1312279.81	0	0	1	0
4053+46	182"	Rt	622395.31	1312280.66	1	0	0	0
4054+60	225'	Rt	622348.49	1312393.23	0	0	1	0
4054+60	175'	Rt	622398.47	1312394.76	0	0	1	0
4054+61	232'	Rt	622341.82	1312394.08	1	0	0	0
4054+61	182"	Rt	622391.79	1312395.61	1	0	0	0
4055+39	107"	Lt	622677.57	1312482.27	1	0	0	0
4055+40	100'	Lt	622670.90	1312483.12	0	0	1	0
4055+40	150'	Lt	622720.87	1312484.65	0	0	1	0
4055+41	157"	Lt	622727.48	1312485.91	1	0	0	0
4055+50	20'	Rt	622550.66	1312489.05	0	1	0	0
4056+79	232'	Rt	622335.16	1312611.88	1	0	0	0
4056+80	125'	Rt	622441.73	1312616.18	0	0	1	0
4056+80	225'	Rt	622341.77	1312613.13	0	0	1	0
4056+81	132'	Rt	622435.05	1312617.03	1	0	0	0
4059+00	20'	Rt	622539.96	1312839.20	0	1	0	0
4060+54	132'	Rt	622423.66	1312989.76	1	0	0	0
4060+55	190'	Rt	622365.30	1312989.02	0	0	1	0
4060+55	125'	Rt	622430.27	1312991.01	0	0	1	0
4060+56	197"	Rt	622358.62	1312989.87	1	0	0	0
4061+99	197"	Rt	622354.26	1313132.70	1	0	0	0
4062+00	125'	Rt	622425.84	1313135.94	0	0	1	0
4062+00	190'	Rt	622360.87	1313133.96	0	0	1	0
4062+01	132'	Rt	622419.16	1313136.79	1	0	0	0
4064+00	20'	Rt	622524.69	1313338.83	0	1	0	0
4068+53	5'	Rt	622525.98	1313792.26	0	1	0	0
4068+53	157"	Lt	622687.40	1313797.50	1	0	0	0
4068+55	150'	Lt	622680.72	1313798.34	0	0	0	1
4068+78	132'	Rt	622398.48	1313813.68	1	0	0	0
4068+80	125'	Rt	622405.09	1313814.93	0	0	0	1
4069+00	3'	Rt	622526.07	1313838.69	0	1	0	0
4069+70	132'	Rt	622395.67	1313905.52	1	0	0	0
4069+71	157"	Lt	622683.82	1313914.58	1	0	0	0
4069+71	125'	Rt	622402.28	1313906.77	0	0	1	0
4069+72	150'	Lt	622677.15	1313915.43	0	0	1	0
4070+05	5'	Rt	622521.19	1313943.53	0	1	0	0
4070+05	0'	Rt	622526.21	1313943.69	0	1	0	0
4070+37	150'	Rt	622375.28	1313971.95	0	0	1	0
4070+38	150'	Lt	622675.13	1313981.40	0	0	1	0
4070+38	157"	Rt	622368.60	1313972.80	1	0	0	0
4070+39	157"	Lt	622681.74	1313982.66	1	0	0	0
4071+00	3'	Lt	622526.63	1314039.63	0	1	0	0
4071+55	150'	Lt	622671.56	1314098.20	0	0	0	1
4071+55	150'	Rt	622371.70	1314089.04	0	0	0	1
4071+56	157"	Lt	622678.17	1314099.46	1	0	0	0
4071+56	157"	Rt	622365.02	1314089.89	1	0	0	0
4074+88	157"	Rt	622354.86	1314422.47	1	0	0	0
4074+89	100'	Rt	622411.45	1314425.25	0	0	1	0
4074+89	150'	Rt	622361.47	1314423.72	0	0	1	0
4074+90	107"	Rt	622404.77	1314426.10	1	0	0	0
4076+00	20'	Lt	622528.01	1314539.49	0	1	0	0
4081+00	20'	Lt	622512.74	1315039.12	0	1	0	0
4081+88	157"	Lt	622646.62	1315131.71	1	0	0	0

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	3

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ND Hwy 200  
Monuments and  
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Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4081+89	150'	Lt	622639.95	1315132.56	0	0	1	0
4081+89	220'	Lt	622709.91	1315134.70	0	0	1	0
4081+90	227'	Lt	622716.52	1315135.96	1	0	0	0
4089+38	107'	Rt	622360.54	1315873.32	1	0	0	0
4089+39	170'	Rt	622297.19	1315872.44	0	0	1	0
4089+39	100'	Rt	622367.15	1315874.57	0	0	1	0
4089+40	177'	Rt	622290.51	1315873.29	1	0	0	0
4096+17	177'	Rt	622269.84	1316549.43	1	0	0	0
4096+18	100'	Rt	622346.42	1316552.82	0	0	1	0
4096+18	170'	Rt	622276.46	1316550.68	0	0	1	0
4096+19	107'	Rt	622339.75	1316553.67	1	0	0	0
4096+33	227'	Lt	622672.47	1316577.39	1	0	0	0
4096+34	100'	Rt	622345.94	1316568.47	0	0	0	1
4096+34	0'	Rt	622445.90	1316571.52	0	1	0	0
4096+34	20'	Lt	622465.89	1316572.16	0	1	0	0
4096+34	215'	Lt	622660.79	1316578.35	0	0	1	0
4096+34	220'	Lt	622665.79	1316578.50	0	0	1	0
4096+35	222'	Lt	622667.41	1316579.34	1	0	0	0
4096+35	107'	Rt	622339.27	1316569.32	1	0	0	0
4098+73	222'	Lt	622660.14	1316817.14	1	0	0	0
4098+74	215'	Lt	622653.47	1316817.98	0	0	1	0
4098+74	270'	Lt	622708.44	1316819.66	0	0	1	0
4098+75	277'	Lt	622715.05	1316820.92	1	0	0	0
4100+18	277'	Lt	622710.69	1316963.75	1	0	0	0
4100+19	270'	Lt	622704.01	1316964.60	0	0	1	0
4100+19	215'	Lt	622649.04	1316962.92	0	0	1	0
4100+20	222'	Lt	622655.65	1316964.17	1	0	0	0
4101+53	222'	Lt	622651.59	1317097.01	1	0	0	0
4101+54	215'	Lt	622644.91	1317097.85	0	0	1	0
4101+54	125'	Lt	622554.96	1317095.10	0	0	1	0
4101+55	132'	Lt	622561.56	1317096.36	1	0	0	0
4102+67	132'	Lt	622558.15	1317208.22	1	0	0	0
4102+67	107'	Rt	622319.96	1317200.94	1	0	0	0
4102+68	100'	Rt	622326.58	1317202.19	0	0	1	0
4102+68	0'	Rt	622426.53	1317205.23	0	1	0	0
4102+68	125'	Lt	622551.47	1317209.07	0	0	1	0
4103+14	20'	Lt	622445.09	1317252.45	0	1	0	0
4105+17	132'	Lt	622555.97	1317452.47	1	0	0	0
4105+18	125'	Lt	622549.34	1317453.60	0	0	1	0
4105+18	100'	Lt	622524.34	1317453.93	0	0	1	0
4105+19	107'	Lt	622531.00	1317454.90	1	0	0	0
4110+80	107'	Rt	622353.29	1318028.29	1	0	0	0
4110+81	100'	Rt	622360.02	1318028.60	0	0	1	0
4114+27	119'	Rt	622390.62	1318380.41	0	1	0	0
4114+54	100'	Rt	622414.51	1318404.33	0	0	1	0
4114+55	107'	Rt	622408.15	1318406.54	1	0	0	0
4114+76	109'	Rt	622409.18	1318427.68	0	1	0	0
4122+02	107'	Lt	622793.60	1319080.16	1	0	0	0
4122+03	100'	Lt	622787.58	1319083.17	0	0	0	1
4122+08	107'	Rt	622591.92	1319149.77	1	0	0	0
4122+09	100'	Rt	622598.57	1319148.75	0	0	0	1
4122+34	107'	Rt	622600.24	1319175.73	1	0	0	0
4122+35	100'	Rt	622606.89	1319174.69	0	0	1	0
4123+04	100'	Rt	622628.90	1319241.34	0	0	1	0
4123+05	107'	Rt	622622.91	1319244.38	1	0	0	0
4123+06	0'	Rt	622724.21	1319211.03	0	1	0	0
4123+07	107'	Lt	622825.48	1319177.60	1	0	0	0
4123+07	3'	Lt	622727.09	1319211.11	0	1	0	0
4123+08	100'	Lt	622819.52	1319180.72	0	0	1	0
4123+80	100'	Lt	622842.50	1319247.39	0	0	1	0
4123+81	107'	Lt	622849.14	1319246.27	1	0	0	0
4124+04	100'	Rt	622661.93	1319336.67	0	0	0	1
4124+04	107'	Rt	622655.96	1319339.70	1	0	0	0
4124+09	100'	Lt	622852.07	1319274.40	0	0	0	1
4124+10	107'	Lt	622858.72	1319273.28	1	0	0	0
4125+85	107'	Rt	622720.59	1319512.34	1	0	0	0
4125+86	107'	Lt	622919.39	1319435.09	1	0	0	0
4125+87	100'	Lt	622913.47	1319438.18	0	0	1	0
4125+87	100'	Rt	622727.31	1319511.29	0	0	1	0
4125+87	0'	Rt	622820.40	1319474.76	0	1	0	0
4126+38	0'	Rt	622838.97	1319522.05	0	1	0	0
4136+39	107'	Rt	623105.75	1320493.06	1	0	0	0
4136+40	110'	Rt	623103.16	1320495.66	0	0	1	0

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	4

Note: All stations are based off of the existing alignment (ND200)

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ND Hwy 200  
 Monuments and  
 Right of Way Markers

Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4136+40	100'	Rt	623112.46	1320492.01	0	0	1	0
4136+41	117'	Rt	623097.21	1320498.67	1	0	0	0
4138+39	117'	Rt	623169.55	1320682.87	1	0	0	0
4138+40	100'	Rt	623185.57	1320678.17	0	0	1	0
4138+40	110'	Rt	623176.27	1320681.82	0	0	1	0
4138+41	107'	Rt	623179.63	1320681.18	1	0	0	0
4147+67	107'	Lt	623716.53	1321464.86	1	0	0	0
4147+68	100'	Lt	623710.61	1321467.95	0	0	1	0
4147+68	250'	Lt	623850.23	1321413.12	0	0	1	0
4147+69	257'	Lt	623856.92	1321411.99	1	0	0	0
4150+67	257'	Lt	623965.81	1321689.27	1	0	0	0
4150+68	250'	Lt	623959.90	1321692.35	0	0	1	0
4150+68	100'	Lt	623820.28	1321747.19	0	0	1	0
4150+69	107'	Lt	623826.96	1321746.06	1	0	0	0
4151+60	107'	Rt	623661.74	1321908.78	1	0	0	0
4151+61	107'	Lt	623860.53	1321831.53	1	0	0	0
4151+61	100'	Lt	623854.61	1321834.62	0	0	0	1
4151+61	100'	Rt	623668.45	1321907.73	0	0	0	1
4151+61	0'	Rt	623761.54	1321871.18	0	1	0	0
4159+39	107'	Rt	623946.51	1322633.88	1	0	0	0
4159+39	107'	Rt	623946.51	1322633.88	1	0	0	0
4159+40	110'	Rt	623943.92	1322636.49	0	0	1	0
4159+40	100'	Rt	623953.22	1322632.83	0	0	1	0
4159+41	117'	Rt	623937.97	1322639.50	1	0	0	0
4161+39	117'	Rt	624010.31	1322823.70	1	0	0	0
4161+40	100'	Rt	624026.33	1322818.99	0	0	1	0
4161+40	110'	Rt	624017.03	1322822.65	0	0	1	0
4161+41	107'	Rt	624020.39	1322822.00	1	0	0	0
4171+39	107'	Rt	624385.17	1323750.85	1	0	0	0
4171+40	107'	Lt	624583.96	1323673.60	1	0	0	0
4171+40	100'	Lt	624578.05	1323676.69	0	0	1	0
4171+40	130'	Lt	624605.97	1323665.73	0	0	1	0
4171+40	150'	Rt	624345.35	1323768.08	0	0	1	0
4171+40	100'	Rt	624391.89	1323749.80	0	0	1	0
4171+41	157'	Rt	624339.40	1323771.09	1	0	0	0
4171+42	137'	Lt	624612.66	1323664.60	1	0	0	0
4174+89	157'	Rt	624466.57	1324094.91	1	0	0	0
4174+90	137'	Lt	624739.83	1323988.41	1	0	0	0
4174+90	130'	Lt	624733.91	1323991.50	0	0	1	0
4174+90	100'	Lt	624705.99	1324002.47	0	0	1	0
4174+90	100'	Rt	624519.83	1324075.58	0	0	1	0
4174+90	150'	Rt	624473.29	1324093.86	0	0	1	0
4174+91	107'	Rt	624513.88	1324078.59	1	0	0	0
4174+92	107'	Lt	624712.67	1324001.34	1	0	0	0
4179+22	107'	Rt	624671.38	1324479.62	1	0	0	0
4179+23	107'	Lt	624870.17	1324402.37	1	0	0	0
4179+23	100'	Lt	624864.25	1324405.46	0	0	0	1
4179+23	100'	Rt	624678.09	1324478.57	0	0	0	1
4179+43	107'	Rt	624679.09	1324499.25	1	0	0	0
4179+45	100'	Rt	624685.81	1324498.20	0	0	1	0
4180+16	100'	Rt	624699.26	1324537.91	0	0	0	1
4180+17	107'	Rt	624693.44	1324541.30	1	0	0	0
4180+23	0'	Rt	624807.73	1324535.10	0	1	0	0
4180+30	107'	Lt	624909.34	1324502.12	1	0	0	0
4180+31	17'	Lt	624812.91	1324508.51	0	1	0	0
4180+31	100'	Lt	624903.43	1324505.21	0	0	1	0
4181+02	100'	Lt	624916.89	1324544.95	0	0	0	1
4181+04	107'	Lt	624923.45	1324543.48	1	0	0	0
4181+23	100'	Lt	624924.55	1324564.46	0	0	1	0
4181+23	100'	Rt	624738.39	1324637.57	0	0	1	0
4181+24	107'	Lt	624931.11	1324562.99	1	0	0	0
4181+24	107'	Rt	624732.58	1324640.96	1	0	0	0
4199+99	107'	Lt	625616.50	1326308.18	1	0	0	0
4200+00	100'	Lt	625610.69	1326311.57	0	0	0	1
4200+00	120'	Lt	625629.30	1326304.26	0	0	0	1
4200+01	127'	Lt	625635.86	1326302.78	1	0	0	0
4209+10	127'	Lt	625968.12	1327148.79	1	0	0	0
4209+10	107'	Rt	625750.97	1327234.07	1	0	0	0
4209+11	120'	Lt	625962.30	1327152.18	0	0	1	0
4209+11	100'	Rt	625757.53	1327232.60	0	0	1	0
4209+11	0'	Rt	625850.61	1327196.04	0	1	0	0
4209+62	127'	Lt	625987.10	1327197.12	1	0	0	0
4209+63	120'	Lt	625981.28	1327200.51	0	0	0	1

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	5

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ND Hwy 200  
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Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4209+63	100'	Lt	625962.67	1327207.82	0	0	0	1
4209+64	107'	Lt	625969.23	1327206.34	1	0	0	0
4211+91	107'	Rt	625853.45	1327495.01	1	0	0	0
4211+92	100'	Rt	625860.01	1327493.53	0	0	0	1
4228+85	107'	Lt	626671.41	1328994.31	1	0	0	0
4228+86	100'	Lt	626665.60	1328997.69	0	0	0	1
4235+49	107'	Lt	626913.99	1329611.99	1	0	0	0
4235+49	107'	Rt	626715.46	1329689.96	1	0	0	0
4235+50	100'	Rt	626722.02	1329688.49	0	0	0	1
4235+50	0'	Rt	626815.10	1329651.93	0	1	0	0
4236+58	107'	Lt	626953.54	1329715.52	1	0	0	0
4236+59	100'	Lt	626947.72	1329718.92	0	0	0	1
4236+63	129'	Lt	626976.14	1329713.24	1	0	0	0
4236+69	125'	Lt	626974.89	1329719.85	0	0	1	0
4236+87	107'	Rt	626763.37	1329816.33	1	0	0	0
4236+87	100'	Rt	626769.91	1329814.86	0	0	1	0
4237+14	107'	Rt	626772.58	1329841.72	1	0	0	0
4237+15	100'	Rt	626779.11	1329840.24	0	0	0	1
4237+59	378'	Lt	627244.37	1329722.39	1	0	0	0
4237+65	376'	Lt	627245.17	1329729.07	0	0	0	1
4237+87	100'	Rt	626802.69	1329907.09	0	0	0	1
4237+88	107'	Rt	626796.85	1329910.50	1	0	0	0
4237+90	0'	Rt	626898.21	1329877.32	0	1	0	0
4238+70	120'	Lt	627037.59	1329915.10	0	0	0	1
4238+71	127'	Lt	627044.23	1329913.99	1	0	0	0
4238+93	100'	Rt	626835.74	1330005.63	0	0	1	0
4238+94	107'	Rt	626829.74	1330008.66	1	0	0	0
4239+07	120'	Lt	627049.26	1329950.87	0	0	1	0
4239+08	127'	Lt	627055.90	1329949.81	1	0	0	0
4242+76	127'	Lt	627159.87	1330311.86	1	0	0	0
4242+77	120'	Lt	627153.68	1330314.48	0	0	0	1
4242+77	100'	Lt	627134.28	1330319.38	0	0	0	1
4242+78	107'	Lt	627140.98	1330318.74	1	0	0	0
4246+56	107'	Lt	627222.70	1330694.53	1	0	0	0
4246+57	100'	Lt	627216.44	1330697.19	0	0	0	1
4247+00	117'	Lt	627241.40	1330737.41	0	1	0	0
4250+24	100'	Lt	627271.80	1331066.05	0	0	0	1
4250+25	107'	Lt	627278.52	1331066.30	1	0	0	0
4258+50	107'	Rt	627102.91	1331899.22	1	0	0	0
4258+50	107'	Lt	627316.13	1331905.05	1	0	0	0
4258+51	100'	Lt	627309.45	1331905.90	0	0	0	1
4258+51	100'	Rt	627109.53	1331900.42	0	0	0	1
4258+51	0'	Rt	627209.49	1331903.16	0	1	0	0
4260+71	107'	Rt	627096.86	1332120.29	1	0	0	0
4260+72	100'	Rt	627103.48	1332121.50	0	0	0	1
4260+72	120'	Rt	627083.49	1332120.96	0	0	0	1
4260+73	127'	Rt	627076.81	1332121.80	1	0	0	0
4261+21	107'	Lt	627308.71	1332176.11	1	0	0	0
4261+22	100'	Lt	627302.04	1332176.96	0	0	0	1
4261+22	120'	Lt	627322.03	1332177.50	0	0	0	1
4261+23	127'	Lt	627328.64	1332178.71	1	0	0	0
4263+91	127'	Lt	627321.31	1332446.56	1	0	0	0
4263+92	120'	Lt	627314.64	1332447.40	0	0	0	1
4263+92	100'	Lt	627294.65	1332446.85	0	0	0	1
4263+93	107'	Lt	627301.26	1332448.06	1	0	0	0
4264+81	127'	Rt	627065.66	1332529.41	1	0	0	0
4264+81	107'	Lt	627298.85	1332536.13	1	0	0	0
4264+82	140'	Rt	627052.28	1332530.04	0	0	0	1
4264+82	120'	Rt	627072.27	1332530.62	0	0	0	1
4264+82	100'	Lt	627292.19	1332536.82	0	0	1	0
4264+82	0'	Rt	627192.22	1332534.08	0	1	0	0
4264+82	4'	Lt	627196.32	1332534.20	0	1	0	0
4264+83	147'	Rt	627045.61	1332530.88	1	0	0	0
4271+06	147'	Rt	627028.55	1333154.02	1	0	0	0
4271+07	140'	Rt	627035.17	1333155.23	0	0	0	1
4271+07	100'	Rt	627075.15	1333156.33	0	0	0	1
4271+08	107'	Rt	627068.48	1333157.17	1	0	0	0
4274+21	107'	Lt	627273.13	1333475.84	1	0	0	0
4274+21	107'	Rt	627059.92	1333470.00	1	0	0	0
4274+22	100'	Lt	627266.46	1333476.68	0	0	0	1
4274+22	155'	Lt	627321.44	1333478.19	0	0	0	1
4274+22	100'	Rt	627066.54	1333471.21	0	0	0	1
4274+22	140'	Rt	627026.55	1333470.11	0	0	0	1

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	6

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Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4274+23	162'	Lt	627328.06	1333479.39	1	0	0	0
4274+23	147'	Rt	627019.88	1333470.96	1	0	0	0
4275+96	162'	Lt	627323.32	1333652.28	1	0	0	0
4275+96	147'	Rt	627015.15	1333643.85	1	0	0	0
4275+97	155'	Lt	627316.65	1333653.12	0	0	0	1
4275+97	100'	Lt	627261.67	1333651.62	0	0	0	1
4275+97	140'	Rt	627021.76	1333645.05	0	0	0	1
4275+97	100'	Rt	627061.75	1333646.15	0	0	0	1
4275+98	107'	Lt	627268.29	1333652.83	1	0	0	0
4275+98	107'	Rt	627055.07	1333646.99	1	0	0	0
4283+51	107'	Lt	627247.69	1334405.49	1	0	0	0
4283+52	100'	Lt	627241.01	1334406.34	0	0	0	1
4283+52	145'	Lt	627286.00	1334407.57	0	0	0	1
4283+53	152'	Lt	627292.61	1334408.77	1	0	0	0
4289+76	107'	Rt	627017.37	1335024.42	1	0	0	0
4289+77	100'	Rt	627023.99	1335025.63	0	0	0	1
4289+77	115'	Rt	627008.99	1335025.22	0	0	0	1
4289+78	122'	Rt	627002.32	1335026.06	1	0	0	0
4289+84	152'	Lt	627275.36	1335039.15	1	0	0	0
4289+85	145'	Lt	627268.69	1335040.00	0	0	1	0
4290+09	122'	Rt	627001.48	1335056.84	1	0	0	0
4290+10	115'	Rt	627008.10	1335058.05	0	0	1	0
4290+93	122'	Rt	626999.18	1335140.79	1	0	0	0
4290+93	152'	Lt	627272.36	1335148.67	1	0	0	0
4290+94	115'	Rt	627005.80	1335141.99	0	0	0	1
4290+94	145'	Lt	627265.69	1335149.51	0	0	0	1
4291+27	0'	Rt	627119.85	1335178.31	0	1	0	0
4291+59	160'	Lt	627278.58	1335215.91	0	0	0	1
4291+60	167'	Lt	627285.18	1335217.11	1	0	0	0
4291+61	155'	Rt	626963.70	1335206.80	0	0	0	1
4291+63	162'	Rt	626957.02	1335207.65	1	0	0	0
4292+82	155'	Rt	626959.27	1335327.52	0	0	1	0
4292+83	162'	Rt	626952.59	1335328.37	1	0	0	0
4292+87	160'	Lt	627273.88	1335344.06	0	0	1	0
4292+88	167'	Lt	627280.48	1335345.27	1	0	0	0
4293+97	167'	Lt	627276.48	1335454.34	1	0	0	0
4293+98	160'	Lt	627269.80	1335455.19	0	0	0	1
4293+98	100'	Lt	627209.84	1335452.99	0	0	0	1
4293+99	107'	Lt	627216.45	1335454.19	1	0	0	0
4295+02	162'	Rt	626944.56	1335547.37	1	0	0	0
4295+03	155'	Rt	626951.16	1335548.57	0	0	0	1
4295+03	115'	Rt	626991.14	1335550.04	0	0	0	1
4295+05	122'	Rt	626984.46	1335550.88	1	0	0	0
4297+27	122'	Rt	626976.28	1335773.68	1	0	0	0
4297+28	115'	Rt	626982.89	1335774.89	0	0	0	1
4297+28	100'	Rt	626997.88	1335775.44	0	0	0	1
4297+30	107'	Rt	626991.20	1335776.28	1	0	0	0
4312+52	107'	Lt	627148.54	1337305.90	1	0	0	0
4312+53	100'	Lt	627141.86	1337306.74	0	0	0	1
4312+53	160'	Lt	627201.82	1337308.94	0	0	0	1
4312+54	167'	Lt	627208.42	1337310.15	1	0	0	0
4312+72	107'	Rt	626934.65	1337318.20	1	0	0	0
4312+73	100'	Rt	626941.26	1337319.40	0	0	0	1
4312+73	150'	Rt	626891.29	1337317.57	0	0	0	1
4312+75	157'	Rt	626884.61	1337318.41	1	0	0	0
4315+87	167'	Lt	627196.22	1337642.87	1	0	0	0
4315+87	157'	Rt	626873.14	1337631.15	1	0	0	0
4315+88	160'	Lt	627189.54	1337643.72	0	0	0	1
4315+88	100'	Lt	627129.58	1337641.52	0	0	0	1
4315+88	150'	Rt	626879.75	1337632.36	0	0	0	1
4315+88	100'	Rt	626929.71	1337634.19	0	0	0	1
4315+89	107'	Lt	627136.19	1337642.72	1	0	0	0
4315+90	107'	Rt	626923.03	1337635.03	1	0	0	0
4317+58	107'	Rt	626916.85	1337803.68	1	0	0	0
4317+59	100'	Lt	627123.32	1337812.21	0	0	1	0
4317+59	100'	Rt	626923.45	1337804.88	0	0	1	0
4317+59	0'	Rt	627023.39	1337808.55	0	1	0	0
4319+03	107'	Lt	627124.69	1337956.27	1	0	0	0
4319+04	100'	Lt	627118.00	1337957.12	0	0	0	1
4319+04	130'	Lt	627147.98	1337958.22	0	0	0	1
4319+05	137'	Lt	627154.59	1337959.42	1	0	0	0
4322+13	137'	Lt	627143.30	1338267.16	1	0	0	0

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	7

Note: All stations are based off of the existing alignment (ND200)

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 Craig Mizera  
 Registration Number  
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 of Transportation

ND Hwy 200  
 Monuments and  
 Right of Way Markers

Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4322+14	130'	Lt	627136.62	1338268.01	0	0	0	1
4322+14	115'	Lt	627121.63	1338267.46	0	0	0	1
4322+15	122'	Lt	627128.24	1338268.66	1	0	0	0
4322+88	107'	Rt	626897.42	1338333.32	1	0	0	0
4322+89	100'	Rt	626904.03	1338334.53	0	0	0	1
4322+89	115'	Rt	626889.04	1338333.98	0	0	0	1
4322+90	122'	Rt	626882.36	1338334.82	1	0	0	0
4325+73	122'	Rt	626871.99	1338617.58	1	0	0	0
4325+74	115'	Rt	626878.59	1338618.79	0	0	0	1
4325+74	100'	Rt	626893.58	1338619.34	0	0	0	1
4325+75	107'	Rt	626886.90	1338620.18	1	0	0	0
4326+78	122'	Lt	627111.27	1338731.30	1	0	0	0
4326+79	115'	Lt	627104.59	1338732.15	0	0	0	1
4326+79	100'	Lt	627089.60	1338731.60	0	0	0	1
4326+80	107'	Lt	627096.21	1338732.80	1	0	0	0
4338+08	107'	Rt	626841.72	1339852.30	1	0	0	0
4338+09	100'	Rt	626848.32	1339853.51	0	0	0	1
4338+09	125'	Rt	626823.34	1339852.59	0	0	0	1
4338+10	132'	Rt	626816.66	1339853.44	1	0	0	0
4338+87	107'	Lt	627051.97	1339938.92	1	0	0	0
4338+87	132'	Rt	626813.84	1339930.32	1	0	0	0
4338+88	100'	Lt	627045.29	1339939.77	0	0	0	1
4338+88	125'	Rt	626820.44	1339931.52	0	0	0	1
4338+88	0'	Rt	626945.36	1339936.10	0	1	0	0
4342+63	132'	Rt	626793.02	1340300.24	1	0	0	0
4342+64	125'	Rt	626799.57	1340301.77	0	0	1	0
4342+92	107'	Lt	627028.35	1340347.63	1	0	0	0
4342+93	100'	Lt	627021.64	1340348.13	0	0	1	0
4343+53	107'	Lt	627023.33	1340408.60	1	0	0	0
4343+54	100'	Lt	627016.62	1340409.06	0	0	0	1
4343+64	132'	Rt	626784.94	1340399.55	1	0	0	0
4343+65	125'	Rt	626791.47	1340401.15	0	0	0	1
4343+91	13'	Lt	626926.92	1340438.79	0	1	0	0
4343+92	0'	Rt	626913.67	1340438.34	0	1	0	0
4344+19	100'	Lt	627010.76	1340474.89	0	0	0	1
4344+20	107'	Lt	627017.28	1340476.52	1	0	0	0
4344+32	125'	Rt	626785.52	1340466.98	0	0	0	1
4344+33	132'	Rt	626778.81	1340467.38	1	0	0	0
4344+90	100'	Lt	627003.88	1340546.31	0	0	1	0
4344+91	107'	Lt	627010.40	1340547.99	1	0	0	0
4345+12	132'	Rt	626771.16	1340545.31	1	0	0	0
4345+13	120'	Rt	626782.96	1340547.55	0	0	1	0
4345+13	125'	Rt	626777.66	1340547.01	0	0	0	1
4345+13	100'	Rt	626802.53	1340549.56	0	0	0	1
4345+15	107'	Rt	626795.82	1340549.90	1	0	0	0
4345+20	121'	Rt	626781.26	1340554.06	1	0	0	0
4348+92	107'	Rt	626750.35	1340920.66	1	0	0	0
4348+92	107'	Lt	626961.50	1340950.83	1	0	0	0
4348+93	100'	Lt	626954.77	1340950.91	0	0	0	1
4348+93	100'	Rt	626756.78	1340922.62	0	0	0	1
4348+93	0'	Rt	626855.78	1340936.76	0	1	0	0
4350+01	100'	Lt	626939.49	1341057.85	0	0	0	1
4350+02	107'	Lt	626946.10	1341059.09	1	0	0	0
4357+27	107'	Rt	626632.25	1341747.27	1	0	0	0
4357+28	100'	Rt	626638.68	1341749.22	0	0	0	1
4357+28	120'	Rt	626618.88	1341746.40	0	0	0	1
4357+29	127'	Rt	626612.16	1341746.47	1	0	0	0
4364+06	127'	Rt	626516.45	1342416.37	1	0	0	0
4364+07	120'	Rt	626522.88	1342418.32	0	0	0	1
4364+07	130'	Rt	626512.98	1342416.91	0	0	0	1
4364+07	0'	Rt	626641.68	1342435.29	0	1	0	0
4364+08	137'	Rt	626506.26	1342416.98	1	0	0	0
4365+63	137'	Rt	626486.03	1342573.81	1	0	0	0
4365+64	130'	Rt	626492.52	1342575.59	0	0	0	1
4365+64	100'	Rt	626522.32	1342579.02	0	0	0	1
4365+65	107'	Rt	626515.60	1342579.28	1	0	0	0
4366+43	107'	Rt	626507.07	1342658.25	1	0	0	0
4366+44	100'	Rt	626513.58	1342659.94	0	0	0	1
4366+44	110'	Rt	626503.63	1342658.94	0	0	0	1
4366+45	117'	Rt	626496.91	1342659.29	1	0	0	0
4367+98	117'	Rt	626483.33	1342814.80	1	0	0	0
4367+99	110'	Rt	626489.88	1342816.31	0	0	0	1
4367+99	100'	Rt	626499.86	1342817.04	0	0	0	1

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	8

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ND Hwy 200  
 Monuments and  
 Right of Way Markers



Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4368+00	107'	Rt	626493.15	1342817.58	1	0	0	0
4370+28	34'	Rt	626553.58	1343051.92	0	1	0	0
4370+41	293'	Lt	626879.49	1343075.61	1	0	0	0
4370+41	107'	Rt	626480.29	1343063.18	1	0	0	0
4370+42	286'	Lt	626872.81	1343076.42	0	0	1	0
4370+42	100'	Rt	626486.90	1343064.41	0	0	1	0
4370+42	0'	Rt	626586.85	1343067.52	0	1	0	0
4371+20	107'	Rt	626478.33	1343143.47	1	0	0	0
4371+21	100'	Rt	626484.95	1343144.61	0	0	0	1
4371+21	492'	Rt	626093.30	1343137.82	0	0	0	1
4371+22	498'	Rt	626086.69	1343139.07	1	0	0	0
4376+48	0'	Rt	626600.04	1343673.07	0	1	0	0
4377+11	498'	Rt	626107.79	1343772.78	1	0	0	0
4377+12	492'	Rt	626114.47	1343773.58	0	0	0	1
4377+12	100'	Rt	626505.09	1343744.36	0	0	0	1
4377+13	107'	Rt	626498.54	1343745.88	1	0	0	0
4381+76	107'	Rt	626533.07	1344207.42	1	0	0	0
4381+77	100'	Rt	626539.77	1344207.95	0	0	0	1
4381+77	145'	Rt	626494.90	1344211.31	0	0	0	1
4381+78	152'	Rt	626488.34	1344212.82	1	0	0	0
4388+13	135'	Lt	626821.72	1344824.45	1	0	0	0
4388+13	128'	Lt	626815.04	1344825.25	0	0	0	1
4388+16	160'	Lt	626847.03	1344826.31	0	0	0	1
4388+18	167'	Lt	626853.64	1344827.56	1	0	0	0
4388+31	152'	Rt	626537.05	1344863.95	1	0	0	0
4388+32	145'	Rt	626543.75	1344864.48	0	0	0	1
4388+32	225'	Rt	626463.98	1344870.45	0	0	0	1
4388+33	232'	Rt	626457.43	1344871.97	1	0	0	0
4389+51	232'	Rt	626466.22	1344989.59	1	0	0	0
4389+52	225'	Rt	626472.93	1344990.11	0	0	0	1
4389+52	145'	Rt	626552.70	1344984.15	0	0	0	1
4389+53	152'	Rt	626546.15	1344985.67	1	0	0	0
4389+82	110'	Lt	626809.43	1344995.16	0	0	0	1
4389+84	117'	Lt	626816.04	1344996.41	1	0	0	0
4389+85	149'	Lt	626848.09	1344995.41	1	0	0	0
4389+85	142'	Lt	626841.41	1344996.22	0	0	0	1
4390+75	107'	Lt	626812.96	1345088.38	1	0	0	0
4390+76	100'	Lt	626806.30	1345089.93	0	0	0	1
4391+81	107'	Lt	626820.73	1345193.71	1	0	0	0
4391+81	152'	Rt	626563.16	1345212.98	1	0	0	0
4391+82	145'	Rt	626569.86	1345213.51	0	0	0	1
4391+82	100'	Lt	626814.18	1345195.23	0	0	0	1
4391+82	0'	Rt	626714.46	1345202.69	0	1	0	0
4395+44	152'	Rt	626583.06	1345569.40	1	0	0	0
4395+45	145'	Rt	626589.74	1345570.18	0	0	1	0
4395+94	107'	Lt	626842.90	1345610.39	1	0	0	0
4395+95	100'	Lt	626836.29	1345611.63	0	0	1	0
4396+50	152'	Rt	626586.33	1345674.15	1	0	0	0
4396+51	145'	Rt	626593.00	1345675.00	0	0	0	1
4396+65	107'	Lt	626844.90	1345682.30	1	0	0	0
4396+66	100'	Lt	626838.28	1345683.49	0	0	0	1
4396+93	0'	Rt	626738.93	1345713.19	0	1	0	0
4396+94	14'	Lt	626752.68	1345713.68	0	1	0	0
4397+19	135'	Rt	626604.46	1345741.45	0	0	0	1
4397+20	142'	Rt	626597.83	1345742.60	1	0	0	0
4397+34	155'	Lt	626894.68	1345751.39	0	0	0	1
4397+35	162'	Lt	626901.34	1345752.25	1	0	0	0
4398+31	135'	Rt	626605.85	1345852.02	0	0	1	0
4398+32	142'	Rt	626599.21	1345853.09	1	0	0	0
4398+44	155'	Lt	626895.92	1345863.69	0	0	1	0
4398+45	162'	Lt	626902.57	1345864.55	1	0	0	0
4402+04	162'	Lt	626897.60	1346229.67	1	0	0	0
4402+05	142'	Rt	626594.46	1346220.19	1	0	0	0
4402+06	155'	Lt	626890.92	1346230.87	0	0	0	1
4402+06	135'	Rt	626601.07	1346221.43	0	0	0	1
4402+06	0'	Rt	626736.00	1346225.82	0	1	0	0
4405+34	162'	Lt	626886.85	1346559.49	1	0	0	0
4405+36	155'	Lt	626880.18	1346560.70	0	0	0	1
4405+36	100'	Lt	626825.21	1346558.91	0	0	0	1
4405+36	107'	Lt	626831.82	1346559.75	1	0	0	0
4408+19	107'	Lt	626822.61	1346842.55	1	0	0	0
4408+21	100'	Lt	626815.93	1346843.75	0	0	0	1
4408+21	150'	Lt	626865.90	1346845.38	0	0	0	1

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	9

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ND Hwy 200  
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Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4408+21	157'	Lt	626872.51	1346846.23	1	0	0	0
4410+15	142'	Rt	626568.10	1347029.76	1	0	0	0
4410+16	135'	Rt	626574.71	1347031.00	0	0	0	1
4410+16	165'	Rt	626544.72	1347030.03	0	0	0	1
4410+17	172'	Rt	626538.05	1347030.83	1	0	0	0
4410+24	157'	Lt	626865.91	1347049.07	1	0	0	0
4410+26	150'	Lt	626859.23	1347050.27	0	0	0	1
4410+26	100'	Lt	626809.26	1347048.65	0	0	0	1
4410+26	107'	Lt	626815.87	1347049.49	1	0	0	0
4411+80	172'	Rt	626532.74	1347193.70	1	0	0	0
4411+81	165'	Rt	626539.35	1347194.94	0	0	0	1
4411+81	100'	Rt	626604.32	1347197.05	0	0	0	1
4411+82	107'	Rt	626597.64	1347197.86	1	0	0	0
4414+40	107'	Rt	626589.24	1347455.67	1	0	0	0
4414+41	100'	Rt	626595.85	1347456.92	0	0	0	1
4414+41	125'	Rt	626570.86	1347456.10	0	0	0	1
4414+42	132'	Rt	626564.19	1347456.91	1	0	0	0
4417+95	132'	Rt	626552.70	1347809.67	1	0	0	0
4417+96	125'	Rt	626559.31	1347810.91	0	0	0	1
4417+96	100'	Rt	626584.30	1347811.73	0	0	0	1
4417+97	107'	Rt	626577.62	1347812.54	1	0	0	0
4420+00	107'	Rt	626571.02	1348015.38	1	0	0	0
4420+01	100'	Rt	626577.63	1348016.62	0	0	0	1
4420+01	140'	Rt	626537.65	1348015.32	0	0	0	1
4420+02	147'	Rt	626530.97	1348016.13	1	0	0	0
4421+14	107'	Lt	626780.45	1348136.87	1	0	0	0
4421+16	100'	Lt	626773.78	1348138.07	0	0	0	1
4421+16	120'	Lt	626793.77	1348138.72	0	0	0	1
4421+16	127'	Lt	626800.38	1348139.57	1	0	0	0
4423+20	127'	Lt	626793.74	1348343.39	1	0	0	0
4423+21	147'	Rt	626520.59	1348334.89	1	0	0	0
4423+22	120'	Lt	626787.06	1348344.60	0	0	1	0
4423+22	140'	Rt	626527.20	1348336.13	0	0	0	1
4423+22	160'	Rt	626507.21	1348335.48	0	0	0	1
4423+22	0'	Rt	626667.12	1348340.69	0	1	0	0
4423+23	167'	Rt	626500.53	1348336.29	1	0	0	0
4424+64	127'	Lt	626789.05	1348487.33	1	0	0	0
4424+66	120'	Lt	626782.37	1348488.53	0	0	0	1
4424+66	100'	Lt	626762.38	1348487.88	0	0	0	1
4424+66	107'	Lt	626769.00	1348488.73	1	0	0	0
4427+65	167'	Rt	626486.15	1348778.02	1	0	0	0
4427+66	160'	Rt	626492.76	1348779.26	0	0	0	1
4427+66	125'	Rt	626527.74	1348780.40	0	0	0	1
4427+67	132'	Rt	626521.06	1348781.21	1	0	0	0
4429+55	132'	Rt	626514.94	1348969.06	1	0	0	0
4429+56	125'	Rt	626521.55	1348970.30	0	0	0	1
4429+56	100'	Rt	626546.54	1348971.11	0	0	0	1
4429+57	107'	Rt	626539.86	1348971.92	1	0	0	0
4431+65	107'	Rt	626533.10	1349179.76	1	0	0	0
4431+66	100'	Rt	626539.70	1349181.00	0	0	0	1
4431+66	115'	Rt	626524.71	1349180.51	0	0	0	1
4431+67	122'	Rt	626518.04	1349181.32	1	0	0	0
4433+25	122'	Rt	626512.90	1349339.19	1	0	0	0
4433+26	115'	Rt	626519.50	1349340.43	0	0	0	1
4433+26	100'	Rt	626534.50	1349340.92	0	0	0	1
4433+27	107'	Rt	626527.82	1349341.73	1	0	0	0
4433+99	107'	Lt	626738.63	1349421.18	1	0	0	0
4434+01	100'	Lt	626731.95	1349422.39	0	0	0	1
4434+01	125'	Lt	626756.94	1349423.20	0	0	0	1
4434+01	132'	Lt	626763.55	1349424.05	1	0	0	0
4434+70	107'	Rt	626523.17	1349484.60	1	0	0	0
4434+71	100'	Rt	626529.78	1349485.84	0	0	0	1
4434+71	160'	Rt	626469.81	1349483.89	0	0	0	1
4434+72	167'	Rt	626463.13	1349484.70	1	0	0	0
4436+49	132'	Lt	626755.48	1349671.87	1	0	0	0
4436+51	125'	Lt	626748.80	1349673.07	0	0	0	1
4436+51	100'	Lt	626723.81	1349672.25	0	0	0	1
4436+51	107'	Lt	626730.42	1349673.10	1	0	0	0
4439+89	107'	Lt	626719.42	1350010.87	1	0	0	0
4439+91	100'	Lt	626712.75	1350012.07	0	0	0	1
4439+91	145'	Lt	626757.72	1350013.54	0	0	0	1
4439+91	152'	Lt	626764.33	1350014.39	1	0	0	0
4440+70	167'	Rt	626443.67	1350082.33	1	0	0	0

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	10

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ND Hwy 200  
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Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4440+71	160'	Rt	626450.28	1350083.57	0	0	0	1
4440+71	100'	Rt	626510.25	1350085.52	0	0	0	1
4440+72	107'	Rt	626503.57	1350086.33	1	0	0	0
4442+85	107'	Rt	626496.64	1350299.17	1	0	0	0
4442+86	100'	Rt	626503.25	1350300.41	0	0	0	1
4442+86	125'	Rt	626478.26	1350299.59	0	0	0	1
4442+87	132'	Rt	626471.59	1350300.40	1	0	0	0
4444+33	152'	Lt	626749.95	1350456.10	1	0	0	0
4444+35	145'	Lt	626743.27	1350457.30	0	0	0	1
4444+35	100'	Lt	626698.29	1350455.84	0	0	0	1
4444+35	107'	Lt	626704.90	1350456.69	1	0	0	0
4445+54	107'	Lt	626701.04	1350575.26	1	0	0	0
4445+54	132'	Rt	626462.87	1350567.90	1	0	0	0
4445+55	100'	Lt	626694.36	1350576.46	0	0	0	1
4445+55	356'	Lt	626950.23	1350584.80	0	0	0	1
4445+55	125'	Rt	626469.48	1350569.14	0	0	0	1
4445+55	244'	Rt	626350.55	1350565.27	0	0	0	1
4445+56	363'	Lt	626956.84	1350585.64	1	0	0	0
4445+56	251'	Rt	626343.87	1350566.07	1	0	0	0
4446+04	363'	Lt	626955.28	1350633.57	1	0	0	0
4446+04	251'	Rt	626342.31	1350614.00	1	0	0	0
4446+05	356'	Lt	626948.60	1350634.77	0	0	0	1
4446+05	100'	Lt	626692.74	1350626.44	0	0	0	1
4446+05	244'	Rt	626348.92	1350615.24	0	0	0	1
4446+05	135'	Rt	626457.86	1350618.79	0	0	0	1
4446+06	107'	Lt	626699.35	1350627.29	1	0	0	0
4446+06	142'	Rt	626451.19	1350619.60	1	0	0	0
4448+14	142'	Rt	626444.43	1350827.01	1	0	0	0
4448+15	135'	Rt	626451.04	1350828.26	0	0	1	0
4448+49	107'	Lt	626691.45	1350869.90	1	0	0	0
4448+50	100'	Lt	626684.77	1350871.10	0	0	1	0
4449+16	107'	Lt	626689.27	1350936.77	1	0	0	0
4449+16	142'	Rt	626441.11	1350929.08	1	0	0	0
4449+17	100'	Lt	626682.59	1350937.97	0	0	0	1
4449+17	135'	Rt	626447.72	1350930.32	0	0	0	1
4449+50	0'	Rt	626581.57	1350967.70	0	1	0	0
4449+83	115'	Lt	626695.42	1351004.42	0	0	0	1
4449+83	150'	Rt	626430.56	1350995.80	0	0	0	1
4449+84	122'	Lt	626702.03	1351005.67	1	0	0	0
4449+84	157'	Rt	626423.88	1350996.61	1	0	0	0
4450+65	115'	Lt	626692.71	1351086.43	0	0	1	0
4450+66	122'	Lt	626699.32	1351087.68	1	0	0	0
4451+00	150'	Rt	626426.70	1351112.67	0	0	1	0
4451+01	157'	Rt	626420.03	1351113.48	1	0	0	0
4452+68	122'	Lt	626692.68	1351288.91	1	0	0	0
4452+69	115'	Lt	626686.00	1351289.72	0	0	0	1
4452+69	100'	Lt	626671.01	1351289.23	0	0	0	1
4452+70	107'	Lt	626677.62	1351290.47	1	0	0	0
4454+98	107'	Lt	626670.10	1351518.29	1	0	0	0
4454+99	100'	Lt	626663.42	1351519.10	0	0	0	1
4454+99	140'	Lt	626703.40	1351520.42	0	0	0	1
4455+00	147'	Lt	626710.01	1351521.66	1	0	0	0
4457+18	147'	Lt	626702.82	1351739.49	1	0	0	0
4457+19	140'	Lt	626696.14	1351740.30	0	0	0	1
4457+19	200'	Lt	626756.11	1351742.28	0	0	0	1
4457+20	207'	Lt	626762.72	1351743.52	1	0	0	0
4461+93	207'	Lt	626747.11	1352216.22	1	0	0	0
4461+94	200'	Lt	626740.43	1352217.02	0	0	0	1
4461+94	100'	Lt	626640.49	1352213.72	0	0	0	1
4461+95	107'	Lt	626647.10	1352214.97	1	0	0	0
4469+38	107'	Lt	626622.58	1352957.51	1	0	0	0
4469+39	100'	Lt	626615.91	1352958.32	0	0	0	1
4469+39	150'	Lt	626665.88	1352959.97	0	0	0	1
4469+40	157'	Lt	626672.49	1352961.21	1	0	0	0
4470+58	157'	Rt	626355.47	1353068.76	1	0	0	0
4470+59	150'	Rt	626362.08	1353070.00	0	0	0	1
4470+59	160'	Rt	626352.09	1353069.67	0	0	0	1
4470+60	167'	Rt	626345.41	1353070.48	1	0	0	0
4473+38	157'	Lt	626659.36	1353358.94	1	0	0	0
4473+39	150'	Lt	626652.68	1353359.75	0	0	0	1
4473+39	100'	Lt	626602.71	1353358.10	0	0	0	1
4473+40	107'	Lt	626609.32	1353359.34	1	0	0	0
4475+87	107'	Lt	626601.15	1353606.63	1	0	0	0

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	11

Note: All stations are based off of the existing alignment (ND200)

This document was originally issued and sealed by Craig Mizera Registration Number PE- 7475, on 09/15/15 and the original document is stored at the North Dakota Department of Transportation

ND Hwy 200  
Monuments and  
Right of Way Markers

Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4475+87	167'	Rt	626328.01	1353597.62	1	0	0	0
4475+88	160'	Rt	626334.62	1353598.86	0	0	1	0
4475+88	160'	Lt	626654.44	1353609.42	0	0	0	1
4475+88	100'	Lt	626594.48	1353607.44	0	0	0	1
4475+88	0'	Rt	626494.53	1353604.14	0	1	0	0
4475+89	167'	Lt	626661.05	1353610.66	1	0	0	0
4479+37	167'	Lt	626649.57	1353958.42	1	0	0	0
4479+38	160'	Lt	626642.90	1353959.22	0	0	0	1
4479+38	100'	Lt	626582.93	1353957.25	0	0	0	1
4479+39	107'	Lt	626589.54	1353958.49	1	0	0	0
4479+58	167'	Rt	626315.78	1353967.94	1	0	0	0
4479+59	160'	Rt	626322.39	1353969.18	0	0	0	1
4479+59	150'	Rt	626332.39	1353969.51	0	0	0	1
4479+60	157'	Rt	626325.71	1353970.32	1	0	0	0
4482+33	107'	Lt	626579.82	1354252.75	1	0	0	0
4482+34	100'	Lt	626573.15	1354253.56	0	0	0	1
4482+34	170'	Lt	626643.11	1354255.87	0	0	0	1
4482+36	177'	Lt	626649.72	1354257.11	1	0	0	0
4484+23	177'	Lt	626643.52	1354444.96	1	0	0	0
4484+24	170'	Lt	626636.84	1354445.76	0	0	0	1
4484+24	250'	Lt	626716.80	1354448.40	0	0	0	1
4484+26	257'	Lt	626723.41	1354449.65	1	0	0	0
4488+63	257'	Lt	626708.95	1354887.36	1	0	0	0
4488+64	250'	Lt	626702.28	1354888.16	0	0	0	1
4488+64	170'	Lt	626622.32	1354885.52	0	0	0	1
4488+66	177'	Lt	626628.93	1354886.77	1	0	0	0
4491+78	177'	Lt	626618.60	1355199.55	1	0	0	0
4491+79	170'	Lt	626611.93	1355200.35	0	0	0	1
4491+79	200'	Lt	626641.91	1355201.34	0	0	0	1
4491+81	207'	Lt	626648.52	1355202.59	1	0	0	0
4494+48	207'	Lt	626639.68	1355470.39	1	0	0	0
4494+49	200'	Lt	626633.00	1355471.19	0	0	0	1
4494+49	170'	Lt	626603.02	1355470.21	0	0	0	1
4494+51	177'	Lt	626609.63	1355471.45	1	0	0	0
4500+55	177'	Lt	626589.69	1356075.47	1	0	0	0
4500+56	170'	Lt	626583.01	1356076.28	0	0	1	0
4500+75	157'	Rt	626255.92	1356084.46	1	0	0	0
4500+76	150'	Rt	626262.53	1356085.71	0	0	1	0
4501+92	177'	Lt	626585.17	1356212.39	1	0	0	0
4501+92	157'	Rt	626252.06	1356201.40	1	0	0	0
4501+93	150'	Rt	626258.66	1356202.64	0	0	0	1
4501+93	170'	Lt	626578.49	1356213.20	0	0	0	1
4502+26	0'	Rt	626407.49	1356240.57	0	1	0	0
4502+59	100'	Rt	626306.51	1356270.26	0	0	0	1
4502+59	170'	Lt	626576.36	1356279.17	0	0	0	1
4502+60	107'	Rt	626299.83	1356271.07	1	0	0	0
4502+60	177'	Lt	626582.97	1356280.41	1	0	0	0
4503+26	100'	Rt	626304.40	1356337.07	0	0	1	0
4503+27	107'	Rt	626297.73	1356337.88	1	0	0	0
4503+96	170'	Lt	626572.04	1356416.36	0	0	1	0
4503+97	177'	Lt	626578.65	1356417.60	1	0	0	0
4514+45	177'	Lt	626545.67	1357464.52	1	0	0	0
4514+46	170'	Lt	626539.00	1357465.32	0	0	0	1
4514+46	120'	Lt	626489.02	1357463.75	0	0	0	1
4514+47	127'	Lt	626495.63	1357464.99	1	0	0	0
4517+15	127'	Lt	626487.20	1357732.81	1	0	0	0
4517+16	120'	Lt	626480.52	1357733.61	0	0	0	1
4517+16	100'	Lt	626460.53	1357732.98	0	0	0	1
4517+17	107'	Lt	626467.14	1357734.23	1	0	0	0
4518+75	107'	Lt	626462.17	1357892.10	1	0	0	0
4518+76	100'	Lt	626455.50	1357892.90	0	0	0	1
4518+76	125'	Lt	626480.48	1357893.69	0	0	0	1
4518+77	132'	Lt	626487.09	1357894.94	1	0	0	0
4523+20	132'	Lt	626473.15	1358337.66	1	0	0	0
4523+21	125'	Lt	626466.47	1358338.47	0	0	0	1
4523+21	100'	Lt	626441.48	1358337.68	0	0	0	1
4523+22	107'	Lt	626448.10	1358338.93	1	0	0	0
4528+24	107'	Lt	626432.30	1358840.43	1	0	0	0
4528+24	107'	Rt	626219.10	1358834.04	1	0	0	0
4528+25	100'	Lt	626425.62	1358841.24	0	0	1	0
4528+25	100'	Rt	626225.71	1358835.28	0	0	1	0
4528+25	0'	Rt	626325.67	1358838.26	0	1	0	0
4532+24	107'	Rt	626207.18	1359233.69	1	0	0	0

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	12

Note: All stations are based off of the existing alignment (ND200)

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 Craig Mizera  
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ND Hwy 200  
 Monuments and  
 Right of Way Markers

Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4532+25	100'	Rt	626213.79	1359234.93	0	0	0	1
4540+45	107'	Lt	626395.90	1360060.92	1	0	0	0
4540+46	100'	Lt	626389.23	1360061.72	0	0	0	1
4540+46	120'	Lt	626409.22	1360062.32	0	0	0	1
4540+47	127'	Lt	626415.83	1360063.57	1	0	0	0
4542+95	127'	Lt	626408.44	1360311.40	1	0	0	0
4542+96	120'	Lt	626401.77	1360312.21	0	0	0	1
4542+96	100'	Lt	626381.78	1360311.61	0	0	0	1
4542+97	107'	Lt	626388.39	1360312.86	1	0	0	0
4544+85	107'	Lt	626382.79	1360500.72	1	0	0	0
4544+86	100'	Lt	626376.11	1360501.53	0	0	0	1
4544+86	115'	Lt	626391.11	1360501.98	0	0	0	1
4544+87	122'	Lt	626397.72	1360503.22	1	0	0	0
4546+45	122'	Lt	626393.01	1360661.10	1	0	0	0
4546+46	115'	Lt	626386.34	1360661.90	0	0	0	1
4546+46	100'	Lt	626371.35	1360661.46	0	0	0	1
4546+47	107'	Lt	626377.96	1360662.70	1	0	0	0
4548+25	107'	Lt	626372.65	1360840.57	1	0	0	0
4548+26	100'	Lt	626365.98	1360841.38	0	0	0	1
4548+26	115'	Lt	626380.97	1360841.82	0	0	0	1
4548+27	122'	Lt	626387.59	1360843.07	1	0	0	0
4552+50	122'	Lt	626374.98	1361265.83	1	0	0	0
4552+51	115'	Lt	626368.31	1361266.64	0	0	0	1
4552+51	100'	Lt	626353.31	1361266.19	0	0	0	1
4552+52	107'	Lt	626359.93	1361267.43	1	0	0	0
4553+68	107'	Rt	626143.28	1361376.72	1	0	0	0
4553+68	107'	Lt	626356.47	1361383.38	1	0	0	0
4553+69	100'	Rt	626149.89	1361377.96	0	0	1	0
4553+69	100'	Lt	626349.79	1361384.19	0	0	1	0
4554+35	107'	Rt	626141.28	1361443.82	1	0	0	0
4554+35	107'	Lt	626354.47	1361450.22	1	0	0	0
4554+36	100'	Lt	626347.80	1361451.02	0	0	0	1
4554+36	100'	Rt	626147.89	1361445.06	0	0	0	1
4554+69	0'	Rt	626246.86	1361481.03	0	1	0	0
4555+02	100'	Lt	626345.81	1361516.99	0	0	0	1
4555+02	100'	Rt	626145.90	1361511.03	0	0	0	1
4555+03	107'	Lt	626352.42	1361518.24	1	0	0	0
4555+03	107'	Rt	626139.23	1361511.84	1	0	0	0
4555+69	100'	Lt	626343.77	1361584.03	0	0	1	0
4555+69	100'	Rt	626143.86	1361577.94	0	0	1	0
4555+70	107'	Rt	626137.19	1361578.75	1	0	0	0
4555+70	107'	Lt	626350.38	1361585.27	1	0	0	0
4560+33	107'	Rt	626123.08	1362041.48	1	0	0	0
4560+34	100'	Rt	626129.70	1362042.72	0	0	0	1
4560+34	115'	Rt	626114.70	1362042.26	0	0	0	1
4560+35	122'	Rt	626108.03	1362043.07	1	0	0	0
4561+88	122'	Rt	626103.37	1362195.95	1	0	0	0
4561+89	115'	Rt	626109.98	1362197.19	0	0	0	1
4561+89	100'	Rt	626124.97	1362197.65	0	0	0	1
4561+90	107'	Rt	626118.30	1362198.46	1	0	0	0
4561+98	107'	Lt	626331.25	1362212.93	1	0	0	0
4561+99	115'	Lt	626339.57	1362214.19	0	0	0	1
4561+99	100'	Lt	626324.58	1362213.74	0	0	0	1
4562+00	122'	Lt	626346.18	1362215.44	1	0	0	0
4562+18	122'	Lt	626345.63	1362233.38	1	0	0	0
4562+19	115'	Lt	626338.96	1362234.18	0	0	0	1
4562+19	100'	Lt	626323.97	1362233.73	0	0	0	1
4562+20	107'	Lt	626330.58	1362234.97	1	0	0	0
4581+07	107'	Rt	626059.89	1364115.03	1	0	0	0
4581+07	107'	Lt	626273.08	1364121.56	1	0	0	0
4581+08	100'	Lt	626266.41	1364122.36	0	0	1	0
4581+08	100'	Rt	626066.50	1364116.27	0	0	1	0
4581+08	0'	Rt	626166.45	1364119.32	0	1	0	0
4585+29	107'	Rt	626047.04	1364536.65	1	0	0	0
4585+30	100'	Rt	626053.65	1364537.89	0	0	0	1
4585+30	270'	Rt	625883.73	1364532.71	0	0	0	1
4585+31	277'	Rt	625877.05	1364533.52	1	0	0	0
4592+19	277'	Rt	625856.10	1365221.15	1	0	0	0
4592+20	270'	Rt	625862.71	1365222.39	0	0	0	1
4592+20	100'	Rt	626032.63	1365227.57	0	0	0	1
4592+21	107'	Rt	626025.95	1365228.38	1	0	0	0
4601+34	107'	Rt	625998.14	1366140.90	1	0	0	0
4601+35	100'	Rt	626004.75	1366142.14	0	0	0	1

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	13

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ND Hwy 200  
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 Right of Way Markers

Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4601+35	130'	Rt	625974.77	1366141.23	0	0	0	1
4601+36	137'	Rt	625968.08	1366142.04	1	0	0	0
4602+64	137'	Rt	625964.20	1366269.93	1	0	0	0
4602+65	130'	Rt	625970.81	1366271.17	0	0	0	1
4602+65	100'	Rt	626000.79	1366272.08	0	0	0	1
4602+66	107'	Rt	625994.12	1366272.89	1	0	0	0
4606+47	107'	Rt	625982.53	1366653.33	1	0	0	0
4606+47	107'	Lt	626195.72	1366659.92	1	0	0	0
4606+48	100'	Rt	625989.14	1366654.58	0	0	1	0
4606+48	100'	Lt	626189.04	1366660.73	0	0	1	0
4607+14	107'	Rt	625980.48	1366720.33	1	0	0	0
4607+14	107'	Lt	626193.68	1366726.86	1	0	0	0
4607+15	100'	Lt	626187.00	1366727.67	0	0	0	1
4607+15	100'	Rt	625987.09	1366721.57	0	0	0	1
4607+48	0'	Rt	626086.04	1366757.61	0	1	0	0
4607+81	100'	Lt	626184.99	1366793.64	0	0	0	1
4607+81	100'	Rt	625985.08	1366787.54	0	0	0	1
4607+82	107'	Lt	626191.60	1366794.88	1	0	0	0
4607+82	107'	Rt	625978.40	1366788.35	1	0	0	0
4608+48	100'	Lt	626182.93	1366860.62	0	0	1	0
4608+48	100'	Rt	625983.03	1366854.50	0	0	1	0
4608+49	107'	Rt	625976.35	1366855.31	1	0	0	0
4608+49	107'	Lt	626189.55	1366861.87	1	0	0	0
4616+19	107'	Rt	625952.77	1367625.19	1	0	0	0
4616+20	100'	Rt	625959.39	1367626.44	0	0	0	1
4616+20	165'	Rt	625894.42	1367624.45	0	0	0	1
4616+21	172'	Rt	625887.74	1367625.25	1	0	0	0
4619+59	107'	Lt	626155.56	1367971.59	1	0	0	0
4619+60	100'	Lt	626148.88	1367972.40	0	0	0	1
4619+60	110'	Lt	626158.88	1367972.71	0	0	0	1
4619+61	117'	Lt	626165.49	1367973.95	1	0	0	0
4620+59	172'	Rt	625874.34	1368063.00	1	0	0	0
4620+60	165'	Rt	625880.95	1368064.24	0	0	0	1
4620+60	135'	Rt	625910.93	1368065.16	0	0	0	1
4620+61	142'	Rt	625904.26	1368065.97	1	0	0	0
4621+59	117'	Lt	626159.43	1368171.81	1	0	0	0
4621+60	110'	Lt	626152.76	1368172.61	0	0	0	1
4621+60	100'	Lt	626142.76	1368172.31	0	0	0	1
4621+61	107'	Lt	626149.37	1368173.55	1	0	0	0
4633+83	142'	Rt	625863.78	1369387.56	1	0	0	0
4633+83	107'	Lt	626111.96	1369395.19	1	0	0	0
4633+84	100'	Lt	626105.28	1369395.99	0	0	1	0
4633+84	135'	Rt	625870.39	1369388.80	0	0	0	1
4633+84	100'	Rt	625905.38	1369389.87	0	0	0	1
4633+84	0'	Rt	626005.33	1369392.93	0	1	0	0
4633+85	107'	Rt	625898.70	1369390.68	1	0	0	0
4637+07	107'	Lt	626102.04	1369718.94	1	0	0	0
4637+08	100'	Lt	626095.37	1369719.75	0	0	0	1
4645+91	107'	Lt	626074.97	1370602.68	1	0	0	0
4645+92	100'	Lt	626068.30	1370603.49	0	0	0	1
4659+20	107'	Rt	625821.11	1371924.00	1	0	0	0
4659+20	107'	Lt	626034.31	1371930.56	1	0	0	0
4659+21	100'	Lt	626027.63	1371931.36	0	0	1	0
4659+21	100'	Rt	625827.73	1371925.24	0	0	1	0
4659+87	107'	Rt	625819.06	1371990.97	1	0	0	0
4659+87	107'	Lt	626032.25	1371997.53	1	0	0	0
4659+88	100'	Lt	626025.58	1371998.33	0	0	0	1
4659+88	100'	Rt	625825.67	1371992.21	0	0	0	1
4660+21	0'	Rt	625924.62	1372028.25	0	1	0	0
4660+53	100'	Rt	625823.84	1372058.18	0	0	0	1
4660+54	107'	Rt	625817.17	1372058.99	1	0	0	0
4660+54	80'	Lt	626003.76	1372063.69	0	0	0	1
4660+55	87'	Lt	626010.37	1372064.94	1	0	0	0
4661+02	80'	Lt	626002.57	1372111.13	0	0	1	0
4661+03	87'	Lt	626009.19	1372112.38	1	0	0	0
4661+20	100'	Rt	625822.18	1372124.61	0	0	1	0
4661+21	107'	Rt	625815.51	1372125.41	1	0	0	0
4667+17	107'	Rt	625800.61	1372721.39	1	0	0	0
4667+18	100'	Rt	625807.22	1372722.64	0	0	0	1
4667+18	120'	Rt	625787.23	1372722.14	0	0	0	1
4667+19	127'	Rt	625780.56	1372722.94	1	0	0	0
4668+77	87'	Lt	625989.83	1372886.28	1	0	0	0
4668+78	80'	Lt	625983.17	1372887.09	0	0	0	1

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	14

Note: All stations are based off of the existing alignment (ND200)

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 Registration Number  
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 North Dakota Department  
 of Transportation

ND Hwy 200  
 Monuments and  
 Right of Way Markers

Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4668+78	100'	Lt	626003.16	1372887.59	0	0	0	1
4668+79	107'	Lt	626009.78	1372888.83	1	0	0	0
4669+92	127'	Rt	625773.74	1372995.81	1	0	0	0
4669+93	120'	Rt	625780.35	1372997.05	0	0	0	1
4669+93	100'	Rt	625800.35	1372997.55	0	0	0	1
4669+94	107'	Rt	625793.68	1372998.36	1	0	0	0
4686+60	107'	Rt	625752.04	1374663.47	1	0	0	0
4686+60	107'	Lt	625965.27	1374668.91	1	0	0	0
4686+61	100'	Rt	625758.66	1374664.71	0	0	1	0
4686+61	100'	Lt	625958.60	1374669.71	0	0	1	0
4686+61	0'	Rt	625858.63	1374667.21	0	1	0	0
4691+17	107'	Rt	625740.61	1375120.47	1	0	0	0
4691+18	100'	Rt	625747.23	1375121.72	0	0	0	1
4691+18	160'	Rt	625687.25	1375120.22	0	0	0	1
4691+19	167'	Rt	625680.58	1375121.03	1	0	0	0
4692+27	107'	Lt	625951.09	1375235.88	1	0	0	0
4692+28	100'	Lt	625944.42	1375236.68	0	0	0	1
4692+28	140'	Lt	625984.41	1375237.68	0	0	0	1
4692+29	147'	Lt	625991.02	1375238.93	1	0	0	0
4693+22	167'	Rt	625675.51	1375323.91	1	0	0	0
4693+22	147'	Lt	625988.70	1375331.85	1	0	0	0
4693+23	140'	Lt	625982.03	1375332.65	0	0	0	1
4693+23	120'	Lt	625962.04	1375332.15	0	0	0	1
4693+23	160'	Rt	625682.13	1375325.15	0	0	0	1
4693+23	190'	Rt	625652.14	1375324.40	0	0	0	1
4693+24	197'	Rt	625645.47	1375325.21	1	0	0	0
4693+24	127'	Lt	625968.66	1375333.40	1	0	0	0
4697+07	127'	Lt	625959.08	1375716.23	1	0	0	0
4697+08	120'	Lt	625952.41	1375717.03	0	0	0	1
4697+08	100'	Lt	625932.42	1375716.53	0	0	0	1
4697+09	107'	Lt	625939.04	1375717.78	1	0	0	0
4697+77	197'	Rt	625634.14	1375778.02	1	0	0	0
4697+78	190'	Rt	625640.76	1375779.26	0	0	0	1
4697+78	160'	Rt	625670.75	1375780.01	0	0	0	1
4697+79	167'	Rt	625664.08	1375780.82	1	0	0	0
4699+72	167'	Rt	625659.26	1375973.71	1	0	0	0
4699+73	160'	Rt	625665.88	1375974.95	0	0	0	1
4699+73	100'	Rt	625725.86	1375976.45	0	0	0	1
4699+74	107'	Rt	625719.19	1375977.26	1	0	0	0
4711+97	107'	Rt	625688.60	1377200.49	1	0	0	0
4711+99	100'	Rt	625695.22	1377201.74	0	0	1	0
4712+01	107'	Lt	625901.73	1377209.82	1	0	0	0
4712+02	100'	Lt	625895.06	1377210.62	0	0	1	0
4712+66	107'	Rt	625686.88	1377269.43	1	0	0	0
4712+67	107'	Lt	625900.10	1377275.16	1	0	0	0
4712+68	100'	Rt	625693.50	1377270.68	0	0	0	1
4712+68	100'	Lt	625893.43	1377275.96	0	0	0	1
4713+01	0'	Rt	625792.64	1377306.17	0	1	0	0
4713+33	115'	Lt	625906.45	1377342.35	0	0	0	1
4713+34	100'	Rt	625691.52	1377336.65	0	0	0	1
4713+34	121'	Lt	625913.06	1377343.59	1	0	0	0
4713+35	107'	Rt	625684.84	1377337.46	1	0	0	0
4714+00	100'	Rt	625689.23	1377402.64	0	0	1	0
4714+01	107'	Rt	625682.55	1377403.45	1	0	0	0
4714+16	114'	Lt	625903.58	1377425.09	0	0	1	0
4714+17	121'	Lt	625910.19	1377426.33	1	0	0	0
4717+30	120'	Lt	625899.32	1377739.09	1	0	0	0
4717+31	98'	Lt	625877.66	1377739.38	0	0	0	1
4717+31	113'	Lt	625892.65	1377739.90	0	0	0	1
4717+32	105'	Lt	625884.26	1377740.62	1	0	0	0
4739+38	119'	Rt	625594.49	1379939.13	1	0	0	0
4739+39	94'	Lt	625807.66	1379946.51	1	0	0	0
4739+39	112'	Rt	625601.10	1379940.37	0	0	1	0
4739+40	0'	Rt	625713.27	1379944.27	0	1	0	0
4739+40	12'	Rt	625701.04	1379943.91	0	1	0	0
4739+40	88'	Lt	625800.98	1379947.32	0	0	1	0
4739+80	94'	Lt	625806.26	1379986.85	1	0	0	0
4739+81	88'	Lt	625799.58	1379987.65	0	0	0	1
4739+81	118'	Lt	625829.56	1379988.69	0	0	0	1
4739+82	124'	Lt	625836.17	1379989.94	1	0	0	0
4741+89	120'	Rt	625585.80	1380189.34	1	0	0	0
4741+89	200'	Rt	625505.96	1380187.58	0	0	0	1
4741+90	113'	Rt	625592.41	1380190.59	0	0	0	1

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	15

Note: All stations are based off of the existing alignment (ND200)

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ND Hwy 200  
Monuments and  
Right of Way Markers

Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4741+90	123'	Lt	625828.95	1380197.76	1	0	0	0
4741+90	207'	Rt	625499.28	1380188.39	1	0	0	0
4741+91	117'	Lt	625822.27	1380198.57	0	0	0	1
4741+91	200'	Lt	625905.72	1380201.47	0	0	0	1
4741+92	207'	Lt	625912.33	1380202.71	1	0	0	0
4742+38	207'	Rt	625497.62	1380236.31	1	0	0	0
4742+39	200'	Rt	625504.23	1380237.55	0	0	0	1
4742+40	114'	Rt	625590.67	1380240.56	0	0	0	1
4742+41	120'	Rt	625583.99	1380241.36	1	0	0	0
4742+45	206'	Lt	625910.49	1380255.63	1	0	0	0
4742+46	106'	Lt	625810.37	1380253.19	0	0	0	1
4742+46	200'	Lt	625903.81	1380256.43	0	0	0	1
4742+47	113'	Lt	625816.97	1380254.43	1	0	0	0
4744+34	121'	Rt	625577.30	1380434.20	1	0	0	0
4744+35	125'	Rt	625573.91	1380435.09	0	0	0	1
4744+35	115'	Rt	625583.91	1380435.44	0	0	0	1
4744+36	131'	Rt	625567.23	1380435.90	1	0	0	0
4751+69	135'	Rt	625541.79	1381168.41	1	0	0	0
4751+70	128'	Rt	625548.40	1381169.65	0	0	0	1
4751+70	118'	Rt	625558.40	1381170.00	0	0	0	1
4751+71	125'	Rt	625551.72	1381170.80	1	0	0	0
4754+80	107'	Lt	625774.18	1381486.64	1	0	0	0
4754+81	91'	Lt	625757.51	1381487.10	0	0	0	1
4754+81	101'	Lt	625767.50	1381487.44	0	0	0	1
4754+82	97'	Lt	625764.12	1381488.34	1	0	0	0
4755+88	97'	Lt	625760.41	1381595.08	1	0	0	0
4755+89	90'	Lt	625753.73	1381595.89	0	0	0	1
4756+55	96'	Lt	625758.11	1381661.40	1	0	0	0
4756+56	90'	Lt	625751.43	1381662.21	0	0	0	1
4756+56	100'	Lt	625761.42	1381662.55	0	0	0	1
4756+57	106'	Lt	625768.03	1381663.80	1	0	0	0
4756+70	106'	Lt	625767.59	1381676.52	1	0	0	0
4756+71	100'	Lt	625760.91	1381677.33	0	0	0	1
4756+71	130'	Lt	625790.89	1381678.37	0	0	0	1
4756+72	136'	Lt	625797.50	1381679.61	1	0	0	0
4760+08	386'	Lt	626036.48	1382023.45	1	0	0	0
4760+11	379'	Lt	626030.13	1382025.67	0	0	0	1
4760+76	424'	Lt	626073.09	1382092.27	1	0	0	0
4760+80	419'	Lt	626067.70	1382096.30	0	0	0	1
4761+43	134'	Lt	625781.35	1382150.48	1	0	0	0
4761+48	134'	Lt	625780.96	1382155.71	1	0	0	0
4761+49	128'	Lt	625774.29	1382156.51	0	0	0	1
4761+49	137'	Lt	625783.56	1382156.83	0	0	0	1
4761+73	129'	Rt	625516.93	1382172.36	1	0	0	0
4761+74	158'	Rt	625488.56	1382172.39	0	0	0	1
4761+74	123'	Rt	625523.54	1382173.60	0	0	0	1
4761+75	164'	Rt	625481.88	1382173.20	1	0	0	0
4762+03	164'	Rt	625480.91	1382201.13	1	0	0	0
4762+04	158'	Rt	625487.52	1382202.37	0	0	0	1
4762+04	123'	Rt	625522.50	1382203.59	0	0	0	1
4762+05	129'	Rt	625515.82	1382204.40	1	0	0	0
4762+29	127'	Lt	625771.51	1382236.46	0	0	0	1
4762+29	158'	Lt	625802.21	1382237.53	0	0	0	1
4762+30	134'	Lt	625778.12	1382237.71	1	0	0	0
4762+35	162'	Lt	625806.24	1382242.92	1	0	0	0
4762+98	133'	Lt	625775.76	1382305.61	1	0	0	0
4762+99	77'	Lt	625719.11	1382304.69	0	0	0	1
4762+99	127'	Lt	625769.08	1382306.42	0	0	0	1
4763+00	83'	Lt	625725.72	1382305.93	1	0	0	0
4764+53	131'	Rt	625507.19	1382452.81	1	0	0	0
4764+54	124'	Rt	625513.80	1382454.05	0	0	1	0
4765+02	83'	Lt	625718.72	1382507.30	1	0	0	0
4765+03	76'	Lt	625712.05	1382508.10	0	0	1	0
4765+45	131'	Rt	625504.03	1382543.95	1	0	0	0
4765+45	82'	Lt	625717.21	1382550.95	1	0	0	0
4765+46	124'	Rt	625510.64	1382545.20	0	0	0	1
4765+46	76'	Lt	625710.53	1382551.75	0	0	0	1
4765+78	0'	Rt	625633.93	1382581.65	0	1	0	0
4765+79	24'	Rt	625609.43	1382581.64	0	1	0	0
4766+12	124'	Rt	625508.50	1382611.16	0	0	0	1
4766+12	76'	Lt	625708.39	1382617.72	0	0	0	1
4766+13	131'	Rt	625501.82	1382611.97	1	0	0	0
4766+13	82'	Lt	625715.00	1382618.96	1	0	0	0

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	16

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ND Hwy 200  
 Monuments and  
 Right of Way Markers



Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4766+54	76'	Lt	625707.13	1382659.40	0	0	1	0
4766+55	82'	Lt	625713.75	1382660.64	1	0	0	0
4767+03	124'	Rt	625505.75	1382702.33	0	0	1	0
4767+04	131'	Rt	625499.08	1382703.14	1	0	0	0
4769+56	82'	Lt	625704.67	1382961.69	1	0	0	0
4769+57	76'	Lt	625698.00	1382962.49	0	0	0	1
4770+41	82'	Lt	625702.13	1383046.16	1	0	0	0
4770+42	116'	Lt	625735.44	1383048.17	0	0	0	1
4770+42	76'	Lt	625695.46	1383046.97	0	0	0	1
4770+43	122'	Lt	625742.05	1383049.41	1	0	0	0
4771+56	122'	Lt	625738.65	1383162.31	1	0	0	0
4771+57	116'	Lt	625731.97	1383163.12	0	0	0	1
4771+57	136'	Lt	625751.96	1383163.72	0	0	0	1
4771+58	142'	Lt	625758.58	1383164.97	1	0	0	0
4775+36	142'	Lt	625747.19	1383542.74	1	0	0	0
4775+37	136'	Lt	625740.52	1383543.55	0	0	0	1
4775+37	116'	Lt	625720.53	1383542.95	0	0	0	1
4775+38	122'	Lt	625727.14	1383544.19	1	0	0	0
4781+56	123'	Lt	625708.53	1384161.86	1	0	0	0
4781+57	116'	Lt	625701.86	1384162.66	0	0	0	1
4781+57	76'	Lt	625661.87	1384161.46	0	0	0	1
4781+58	83'	Lt	625668.49	1384162.71	1	0	0	0
4789+56	83'	Lt	625644.45	1384960.29	1	0	0	0
4789+57	121'	Lt	625682.76	1384962.45	0	0	0	1
4789+57	76'	Lt	625637.78	1384961.10	0	0	0	1
4789+58	128'	Lt	625689.37	1384963.70	1	0	0	0
4791+41	128'	Lt	625683.84	1385147.25	1	0	0	0
4791+42	121'	Lt	625677.17	1385148.06	0	0	0	1
4792+16	130'	Rt	625423.41	1385214.40	1	0	0	0
4792+17	0'	Rt	625553.70	1385219.37	0	1	0	0
4792+17	24'	Rt	625529.97	1385218.66	0	1	0	0
4792+17	124'	Rt	625430.02	1385215.65	0	0	1	0
4792+97	76'	Lt	625627.52	1385301.63	0	0	0	1
4792+98	83'	Lt	625634.13	1385302.88	1	0	0	0
4795+65	83'	Lt	625626.11	1385568.92	1	0	0	0
4795+65	156'	Lt	625699.40	1385572.13	0	0	0	1
4795+66	76'	Lt	625619.44	1385569.72	0	0	0	1
4795+67	163'	Lt	625706.02	1385573.38	1	0	0	0
4797+10	130'	Rt	625408.55	1385707.39	1	0	0	0
4797+11	124'	Rt	625415.16	1385708.63	0	0	0	1
4797+11	139'	Rt	625400.17	1385708.18	0	0	0	1
4797+12	145'	Rt	625393.50	1385708.99	1	0	0	0
4798+00	145'	Rt	625390.85	1385796.90	1	0	0	0
4798+01	139'	Rt	625397.46	1385798.14	0	0	0	1
4798+01	124'	Rt	625412.45	1385798.59	0	0	0	1
4798+02	130'	Rt	625405.78	1385799.40	1	0	0	0
4799+44	163'	Lt	625694.63	1385951.15	1	0	0	0
4799+45	156'	Lt	625687.96	1385951.96	0	0	0	1
4799+46	76'	Lt	625608.00	1385949.55	0	0	0	1
4799+47	83'	Lt	625614.61	1385950.79	1	0	0	0
4801+00	83'	Lt	625609.97	1386104.66	1	0	0	0
4801+01	102'	Lt	625628.29	1386106.22	0	0	0	1
4801+01	77'	Lt	625603.30	1386105.46	0	0	0	1
4801+03	108'	Lt	625634.90	1386107.46	1	0	0	0
4802+05	108'	Lt	625631.80	1386210.36	1	0	0	0
4802+06	217'	Lt	625740.07	1386214.63	0	0	0	1
4802+06	102'	Lt	625625.12	1386211.17	0	0	0	1
4802+07	223'	Lt	625746.68	1386215.88	1	0	0	0
4810+05	223'	Lt	625722.65	1387013.46	1	0	0	0
4810+06	217'	Lt	625715.98	1387014.27	0	0	0	1
4810+06	77'	Lt	625576.04	1387010.05	0	0	0	1
4810+08	83'	Lt	625582.65	1387011.30	1	0	0	0
4812+60	83'	Lt	625575.03	1387264.13	1	0	0	0
4812+61	132'	Lt	625623.34	1387266.59	0	0	0	1
4812+61	77'	Lt	625568.36	1387264.94	0	0	0	1
4812+63	138'	Lt	625629.95	1387267.84	1	0	0	0
4815+66	130'	Rt	625352.65	1387562.53	1	0	0	0
4815+67	123'	Rt	625359.27	1387563.77	0	0	0	1
4815+67	203'	Rt	625279.30	1387561.36	0	0	0	1
4815+68	210'	Rt	625272.63	1387562.17	1	0	0	0
4816+51	210'	Rt	625270.12	1387645.50	1	0	0	0
4816+52	203'	Rt	625276.73	1387646.75	0	0	1	0
4817+22	139'	Lt	625616.12	1387726.83	1	0	0	0

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	17

Note: All stations are based off of the existing alignment (ND200)

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ND Hwy 200  
 Monuments and  
 Right of Way Markers

Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4817+23	132'	Lt	625609.44	1387727.64	0	0	1	0
4818+21	139'	Lt	625613.11	1387826.48	1	0	0	0
4818+22	210'	Rt	625264.98	1387816.02	1	0	0	0
4818+22	132'	Lt	625606.44	1387827.29	0	0	0	1
4818+23	203'	Rt	625271.59	1387817.26	0	0	0	1
4818+55	0'	Rt	625473.52	1387855.67	0	1	0	0
4818+56	23'	Rt	625450.51	1387855.67	0	1	0	0
4818+88	182'	Lt	625654.44	1387894.74	0	0	0	1
4818+89	189'	Lt	625661.05	1387895.99	1	0	0	0
4818+90	243'	Rt	625229.63	1387882.03	0	0	0	1
4818+91	249'	Rt	625222.95	1387882.84	1	0	0	0
4820+27	249'	Rt	625218.87	1388019.51	1	0	0	0
4820+28	122'	Rt	625345.42	1388024.34	0	0	0	1
4820+28	172'	Rt	625296.02	1388022.86	0	0	1	0
4820+28	242'	Rt	625225.48	1388020.75	0	0	0	1
4820+29	129'	Rt	625338.75	1388025.14	1	0	0	0
4820+35	173'	Rt	625294.79	1388029.47	1	0	0	0
4820+36	183'	Lt	625650.00	1388043.04	0	0	1	0
4820+37	189'	Lt	625656.61	1388044.29	1	0	0	0
4821+00	190'	Lt	625654.72	1388107.62	1	0	0	0
4821+01	183'	Lt	625648.04	1388108.42	0	0	0	1
4821+02	138'	Lt	625603.06	1388107.08	0	0	0	1
4821+03	145'	Lt	625609.68	1388108.32	1	0	0	0
4822+41	145'	Lt	625605.55	1388246.21	1	0	0	0
4822+42	139'	Lt	625598.88	1388247.02	0	0	0	1
4822+42	79'	Lt	625538.91	1388245.22	0	0	0	1
4822+43	85'	Lt	625545.52	1388246.47	1	0	0	0
4823+02	128'	Rt	625330.59	1388297.97	1	0	0	0
4823+03	121'	Rt	625337.20	1388299.21	0	0	0	1
4823+03	176'	Rt	625282.22	1388297.57	0	0	0	1
4823+04	183'	Rt	625275.55	1388298.38	1	0	0	0
4825+62	182'	Rt	625267.84	1388556.21	1	0	0	0
4825+63	120'	Rt	625329.43	1388559.10	0	0	0	1
4825+63	175'	Rt	625274.45	1388557.45	0	0	0	1
4825+64	127'	Rt	625322.75	1388559.91	1	0	0	0
4826+81	87'	Lt	625532.42	1388684.22	1	0	0	0
4826+82	111'	Lt	625555.73	1388685.92	0	0	0	1
4826+82	81'	Lt	625525.75	1388685.02	0	0	0	1
4826+83	117'	Lt	625562.35	1388687.17	1	0	0	0
4827+36	117'	Lt	625560.76	1388740.09	1	0	0	0
4827+37	161'	Lt	625604.07	1388742.39	0	0	0	1
4827+37	111'	Lt	625554.09	1388740.90	0	0	0	1
4827+38	167'	Lt	625610.68	1388743.64	1	0	0	0
4827+47	126'	Rt	625317.28	1388742.77	1	0	0	0
4827+48	119'	Rt	625323.89	1388744.01	0	0	0	1
4827+48	229'	Rt	625213.94	1388740.73	0	0	0	1
4827+49	236'	Rt	625207.27	1388741.53	1	0	0	0
4830+46	169'	Lt	625601.47	1389051.45	1	0	0	0
4830+47	162'	Lt	625594.80	1389052.25	0	0	0	1
4830+47	112'	Lt	625544.82	1389050.76	0	0	0	1
4830+48	119'	Lt	625551.43	1389052.00	1	0	0	0
4831+57	234'	Rt	625195.07	1389149.30	1	0	0	0
4831+58	117'	Rt	625311.63	1389153.83	0	0	0	1
4831+58	227'	Rt	625201.68	1389150.54	0	0	0	1
4831+59	124'	Rt	625304.96	1389154.64	1	0	0	0
4833+32	123'	Rt	625299.79	1389327.51	1	0	0	0
4833+33	117'	Rt	625306.40	1389328.75	0	0	0	1
4833+33	132'	Rt	625291.41	1389328.30	0	0	0	1
4833+34	138'	Rt	625284.73	1389329.11	1	0	0	0
4834+47	138'	Rt	625281.35	1389442.01	1	0	0	0
4834+48	131'	Rt	625287.97	1389443.25	0	0	0	1
4834+48	181'	Rt	625237.99	1389441.76	0	0	0	1
4834+49	188'	Rt	625231.32	1389442.57	1	0	0	0
4837+52	186'	Rt	625222.26	1389745.38	1	0	0	0
4837+53	115'	Rt	625293.84	1389748.57	0	0	0	1
4837+53	180'	Rt	625228.87	1389746.62	0	0	0	1
4837+54	121'	Rt	625287.17	1389749.37	1	0	0	0
4838+51	122'	Lt	625527.42	1389854.59	1	0	0	0
4838+52	136'	Lt	625540.74	1389856.00	0	0	0	1
4838+52	116'	Lt	625520.75	1389855.40	0	0	0	1
4838+53	142'	Lt	625547.35	1389857.24	1	0	0	0
4845+06	145'	Lt	625527.82	1390509.84	1	0	0	0
4845+07	139'	Lt	625521.15	1390510.64	0	0	0	1

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	18

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ND Hwy 200  
 Monuments and  
 Right of Way Markers

Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4845+07	118'	Rt	625264.65	1390501.92	1	0	0	0
4845+07	119'	Lt	625501.16	1390510.04	0	0	0	1
4845+07	0'	Rt	625382.69	1390506.50	0	1	0	0
4845+07	11'	Rt	625371.22	1390506.16	0	1	0	0
4845+08	111'	Rt	625271.26	1390503.17	0	0	1	0
4845+08	125'	Lt	625507.77	1390511.29	1	0	0	0
4851+95	128'	Lt	625487.23	1391197.96	1	0	0	0
4851+96	122'	Lt	625480.55	1391198.76	0	0	0	1
4851+96	102'	Lt	625460.56	1391198.17	0	0	0	1
4851+97	108'	Lt	625467.18	1391199.41	1	0	0	0
4856+30	110'	Lt	625454.23	1391632.17	1	0	0	0
4856+31	113'	Lt	625457.55	1391633.27	0	0	0	1
4856+31	103'	Lt	625447.55	1391632.97	0	0	0	1
4856+32	120'	Lt	625464.16	1391634.52	1	0	0	0
4858+05	121'	Lt	625458.99	1391807.39	1	0	0	0
4858+06	149'	Lt	625487.30	1391809.24	0	0	0	1
4858+06	114'	Lt	625452.32	1391808.19	0	0	0	1
4858+07	156'	Lt	625493.91	1391810.48	1	0	0	0
4858+25	112'	Rt	625225.21	1391820.06	1	0	0	0
4858+26	106'	Rt	625231.83	1391821.30	0	0	0	1
4858+27	153'	Rt	625184.85	1391819.90	0	0	0	1
4858+28	159'	Rt	625178.17	1391820.71	1	0	0	0
4858+76	159'	Rt	625176.74	1391868.63	1	0	0	0
4858+76	106'	Rt	625230.33	1391871.28	0	0	0	1
4858+77	153'	Rt	625183.35	1391869.88	0	0	0	1
4858+77	112'	Rt	625223.66	1391872.09	1	0	0	0
4860+55	157'	Lt	625486.50	1392058.32	1	0	0	0
4860+56	150'	Lt	625479.83	1392059.13	0	0	0	1
4860+56	95'	Lt	625424.85	1392057.48	0	0	0	1
4860+57	102'	Lt	625431.46	1392058.73	1	0	0	0
4863+85	103'	Lt	625421.65	1392386.53	1	0	0	0
4863+86	137'	Lt	625454.96	1392388.53	0	0	0	1
4863+86	97'	Lt	625414.98	1392387.33	0	0	0	1
4863+87	143'	Lt	625461.58	1392389.78	1	0	0	0
4870+09	146'	Lt	625442.97	1393011.51	1	0	0	0
4870+10	139'	Lt	625436.30	1393012.31	0	0	1	0
4870+49	107'	Rt	625188.61	1393043.44	1	0	0	0
4870+50	100'	Rt	625195.23	1393044.68	0	0	1	0
4871+16	147'	Lt	625439.77	1393118.46	1	0	0	0
4871+17	140'	Lt	625433.10	1393119.27	0	0	0	1
4871+17	107'	Rt	625186.60	1393110.85	1	0	0	0
4871+18	100'	Rt	625193.21	1393112.09	0	0	0	1
4871+50	0'	Rt	625292.18	1393148.06	0	1	0	0
4871+83	140'	Lt	625431.06	1393185.23	0	0	0	1
4871+84	165'	Rt	625126.19	1393176.11	0	0	0	1
4871+84	147'	Lt	625437.67	1393186.48	1	0	0	0
4871+85	172'	Rt	625119.52	1393176.92	1	0	0	0
4872+90	140'	Lt	625427.61	1393292.49	0	0	1	0
4872+91	147'	Lt	625434.22	1393293.73	1	0	0	0
4873+15	165'	Rt	625121.97	1393307.68	0	0	1	0
4873+16	172'	Rt	625115.29	1393308.49	1	0	0	0
4879+06	147'	Lt	625414.49	1393908.04	1	0	0	0
4879+07	140'	Lt	625407.82	1393908.85	0	0	0	1
4879+07	230'	Lt	625497.77	1393911.73	0	0	0	1
4879+08	237'	Lt	625504.38	1393912.98	1	0	0	0
4881+06	172'	Rt	625089.95	1394097.71	1	0	0	0
4881+07	165'	Rt	625096.56	1394098.95	0	0	0	1
4881+07	235'	Rt	625026.59	1394096.71	0	0	0	1
4881+08	242'	Rt	625019.92	1394097.51	1	0	0	0
4881+91	237'	Lt	625495.30	1394195.78	1	0	0	0
4881+92	230'	Lt	625488.62	1394196.59	0	0	0	1
4881+92	170'	Lt	625428.65	1394194.66	0	0	0	1
4881+93	177'	Lt	625435.19	1394195.78	1	0	0	0
4883+06	177'	Lt	625431.64	1394308.80	1	0	0	0
4883+07	170'	Lt	625424.96	1394309.60	0	0	0	1
4883+07	150'	Lt	625404.97	1394308.96	0	0	0	1
4883+08	157'	Lt	625411.58	1394310.21	1	0	0	0
4887+31	242'	Rt	624999.92	1394720.14	1	0	0	0
4887+32	235'	Rt	625006.53	1394721.38	0	0	0	1
4887+32	155'	Rt	625086.49	1394723.95	0	0	0	1
4887+33	162'	Rt	625079.81	1394724.76	1	0	0	0
4892+86	157'	Lt	625380.19	1395287.65	1	0	0	0
4892+87	150'	Lt	625373.52	1395288.46	0	0	0	1

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	19

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ND Hwy 200  
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Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4892+87	310'	Lt	625533.44	1395293.59	0	0	0	1
4892+88	317'	Lt	625540.04	1395294.84	1	0	0	0
4894+01	162'	Rt	625058.37	1395392.36	1	0	0	0
4894+02	155'	Rt	625064.98	1395393.61	0	0	0	1
4894+02	100'	Rt	625119.96	1395395.37	0	0	0	1
4894+03	107'	Rt	625113.28	1395396.18	1	0	0	0
4895+46	317'	Lt	625531.77	1395552.65	1	0	0	0
4895+47	310'	Lt	625525.09	1395553.46	0	0	0	1
4895+47	175'	Lt	625390.16	1395549.12	0	0	0	1
4895+48	182'	Lt	625396.77	1395550.37	1	0	0	0
4897+82	107'	Rt	625101.10	1395775.41	1	0	0	0
4897+82	182'	Lt	625389.24	1395784.68	1	0	0	0
4897+83	175'	Lt	625382.57	1395785.48	0	0	1	0
4897+83	100'	Rt	625107.71	1395776.65	0	0	1	0
4897+83	0'	Rt	625207.66	1395779.86	0	1	0	0
4906+51	182'	Lt	625361.37	1396652.75	1	0	0	0
4906+52	175'	Lt	625354.69	1396653.55	0	0	0	1
4906+52	100'	Lt	625279.73	1396651.15	0	0	0	1
4906+53	107'	Lt	625286.34	1396652.39	1	0	0	0
4920+80	107'	Rt	625027.35	1398071.88	1	0	0	0
4920+81	100'	Rt	625033.96	1398073.13	0	0	0	1
4923+15	107'	Rt	625019.80	1398307.10	1	0	0	0
4923+16	107'	Lt	625232.97	1398314.28	1	0	0	0
4923+16	100'	Rt	625026.41	1398308.34	0	0	1	0
4923+17	100'	Lt	625226.29	1398315.08	0	0	1	0
4923+83	107'	Rt	625017.64	1398374.23	1	0	0	0
4923+83	107'	Lt	625230.82	1398381.08	1	0	0	0
4923+84	100'	Lt	625224.15	1398381.89	0	0	0	1
4923+84	100'	Rt	625024.25	1398375.47	0	0	0	1
4924+17	0'	Rt	625123.14	1398411.66	0	1	0	0
4924+50	100'	Lt	625222.00	1398447.85	0	0	0	1
4924+50	100'	Rt	625022.11	1398441.43	0	0	0	1
4924+51	107'	Lt	625228.61	1398449.10	1	0	0	0
4924+51	107'	Rt	625015.43	1398442.24	1	0	0	0
4925+17	100'	Lt	625219.80	1398514.90	0	0	1	0
4925+17	100'	Rt	625019.91	1398508.32	0	0	1	0
4925+18	107'	Lt	625226.41	1398516.14	1	0	0	0
4925+18	107'	Rt	625013.23	1398509.13	1	0	0	0
4937+41	107'	Lt	625186.16	1399738.87	1	0	0	0
4937+42	100'	Lt	625179.48	1399739.67	0	0	0	1
4948+01	107'	Rt	624938.09	1400791.69	1	0	0	0
4948+02	100'	Rt	624944.70	1400792.93	0	0	0	1
4948+02	170'	Rt	624874.74	1400790.63	0	0	0	1
4948+04	177'	Rt	624868.06	1400791.44	1	0	0	0
4950+61	107'	Lt	625142.71	1401058.56	1	0	0	0
4950+61	177'	Rt	624859.57	1401049.24	1	0	0	0
4950+62	115'	Lt	625151.03	1401059.86	0	0	0	1
4950+62	100'	Lt	625136.04	1401059.37	0	0	0	1
4950+62	170'	Rt	624866.18	1401050.49	0	0	0	1
4950+62	215'	Rt	624821.21	1401049.01	0	0	0	1
4950+62	0'	Rt	625036.09	1401056.08	0	1	0	0
4950+64	122'	Lt	625157.93	1401061.12	1	0	0	0
4950+64	222'	Rt	624814.53	1401049.81	1	0	0	0
4954+89	122'	Lt	625143.63	1401486.65	1	0	0	0
4954+90	115'	Lt	625136.95	1401487.46	0	0	0	1
4954+90	100'	Lt	625121.96	1401486.96	0	0	0	1
4954+91	107'	Lt	625128.57	1401488.21	1	0	0	0
4958+04	222'	Rt	624790.16	1401790.19	1	0	0	0
4958+05	215'	Rt	624796.77	1401791.43	0	0	0	1
4958+05	160'	Rt	624851.74	1401793.24	0	0	0	1
4958+06	167'	Rt	624845.06	1401794.05	1	0	0	0
4959+43	107'	Lt	625113.72	1401939.31	1	0	0	0
4959+44	100'	Lt	625107.04	1401940.11	0	0	0	1
4962+59	167'	Rt	624830.16	1402246.75	1	0	0	0
4962+60	160'	Rt	624836.77	1402247.99	0	0	0	1
4962+60	100'	Rt	624896.73	1402249.97	0	0	0	1
4962+61	107'	Rt	624890.06	1402250.77	1	0	0	0
4968+24	107'	Lt	625084.72	1402820.34	1	0	0	0
4968+25	100'	Lt	625078.04	1402821.15	0	0	0	1
4972+07	107'	Rt	624858.93	1403196.24	1	0	0	0
4972+08	100'	Rt	624865.54	1403197.48	0	0	0	1
4974+07	107'	Lt	625065.53	1403403.14	1	0	0	0
4974+08	100'	Lt	625058.86	1403403.95	0	0	0	1

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	20

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 Registration Number  
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ND Hwy 200  
 Monuments and  
 Right of Way Markers

Station	Offset		Northing	Easting	720-0110 RIGHT OF WAY MARKERS	720-0125 ALIGNMENT MONUMENTS	720-0130 IRON PIN RW MONUMENTS	720-0135 IRON PIN REFERENCE MONUMENTS
4976+07	107'	Lt	625058.95	1403603.04	1	0	0	0
4976+07	107'	Rt	624845.77	1403596.02	1	0	0	0
4976+08	100'	Lt	625052.27	1403603.84	0	0	1	0
4976+08	100'	Rt	624852.38	1403597.26	0	0	1	0
4976+74	107'	Lt	625056.75	1403670.00	1	0	0	0
4976+74	107'	Rt	624843.57	1403662.98	1	0	0	0
4976+75	100'	Lt	625050.07	1403670.80	0	0	0	1
4976+75	100'	Rt	624850.18	1403664.22	0	0	0	1
4977+08	0'	Rt	624949.04	1403700.50	0	1	0	0
4977+41	100'	Lt	625047.89	1403736.77	0	0	0	1
4977+41	100'	Rt	624847.99	1403730.19	0	0	0	1
4977+42	107'	Lt	625054.49	1403738.01	1	0	0	0
4977+42	107'	Rt	624841.32	1403731.00	1	0	0	0
4978+08	100'	Lt	625045.66	1403803.69	0	0	1	0
4978+08	100'	Rt	624845.76	1403797.19	0	0	1	0
4978+09	107'	Lt	625052.27	1403804.94	1	0	0	0
4978+09	107'	Rt	624839.09	1403798.00	1	0	0	0
4985+76	107'	Rt	624813.58	1404563.64	1	0	0	0
4985+77	100'	Rt	624820.19	1404564.89	0	0	0	1
4985+77	125'	Rt	624795.20	1404564.05	0	0	0	1
4985+78	132'	Rt	624788.53	1404564.86	1	0	0	0
4987+26	132'	Rt	624783.60	1404712.73	1	0	0	0
4987+27	125'	Rt	624790.21	1404713.97	0	0	0	1
4987+27	100'	Rt	624815.20	1404714.80	0	0	0	1
4987+28	107'	Rt	624808.52	1404715.61	1	0	0	0
4991+15	107'	Rt	624795.62	1405102.81	1	0	0	0
4991+16	100'	Rt	624802.10	1405104.04	0	0	0	1
4994+56	107'	Rt	624784.28	1405443.16	1	0	0	0
4994+57	100'	Rt	624790.89	1405444.40	0	0	0	1
4994+57	110'	Rt	624780.90	1405444.06	0	0	0	1
4994+58	117'	Rt	624774.22	1405444.87	1	0	0	0
4996+56	117'	Rt	624767.63	1405642.71	1	0	0	0
4996+57	110'	Rt	624774.24	1405643.95	0	0	0	1
4996+57	100'	Rt	624784.23	1405644.29	0	0	0	1
4996+58	107'	Rt	624777.56	1405645.10	1	0	0	0
5003+39	107'	Lt	624968.06	1406332.92	1	0	0	0
5003+39	107'	Rt	624754.88	1406325.83	1	0	0	0
5003+40	12'	Lt	624873.92	1406330.76	0	1	0	0
5003+40	100'	Rt	624761.49	1406327.07	0	0	1	0
5003+40	100'	Lt	624961.38	1406333.73	0	0	1	0
5003+40	0'	Rt	624861.43	1406330.40	0	1	0	0
5017+20	107'	Lt	624922.08	1407713.20	1	0	0	0
5017+21	100'	Lt	624915.40	1407714.01	0	0	0	1
5021+97	107'	Rt	624693.01	1408183.13	1	0	0	0
5021+98	175'	Rt	624624.66	1408181.87	0	0	0	1
5021+98	100'	Rt	624699.62	1408184.37	0	0	0	1
5021+99	182'	Rt	624617.99	1408182.68	1	0	0	0
5025+47	107'	Lt	624894.53	1408540.03	1	0	0	0
5025+48	100'	Lt	624887.86	1408540.84	0	0	0	1
5026+69	182'	Rt	624602.33	1408652.51	1	0	0	0
5026+70	175'	Rt	624608.94	1408653.75	0	0	0	1
5027+04	266'	Lt	625048.73	1408702.40	1	0	0	0
5027+10	262'	Lt	625044.59	1408707.70	0	0	1	0
5027+28	242'	Rt	624540.00	1408709.64	1	0	0	0
5027+34	238'	Rt	624543.81	1408715.17	0	0	1	0
5028+49	360'	Rt	624418.01	1408826.28	1	0	0	0
5028+53	414'	Lt	625191.76	1408856.22	1	0	0	0
5028+56	359'	Rt	624418.94	1408832.94	0	0	0	1
5028+60	413'	Lt	625190.25	1408862.77	0	0	0	1
5029+71	25'	Lt	624798.80	1408961.01	0	1	0	0
5029+72	0'	Rt	624773.80	1408961.02	0	1	0	0
					682	86	183	497

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	82	21

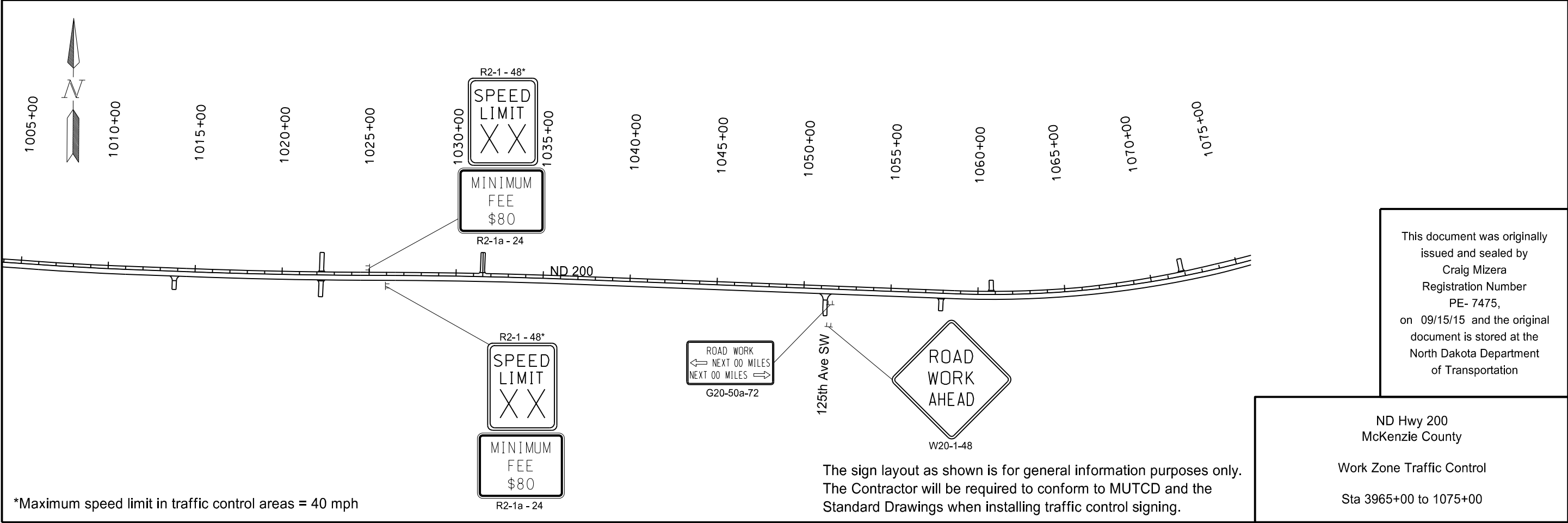
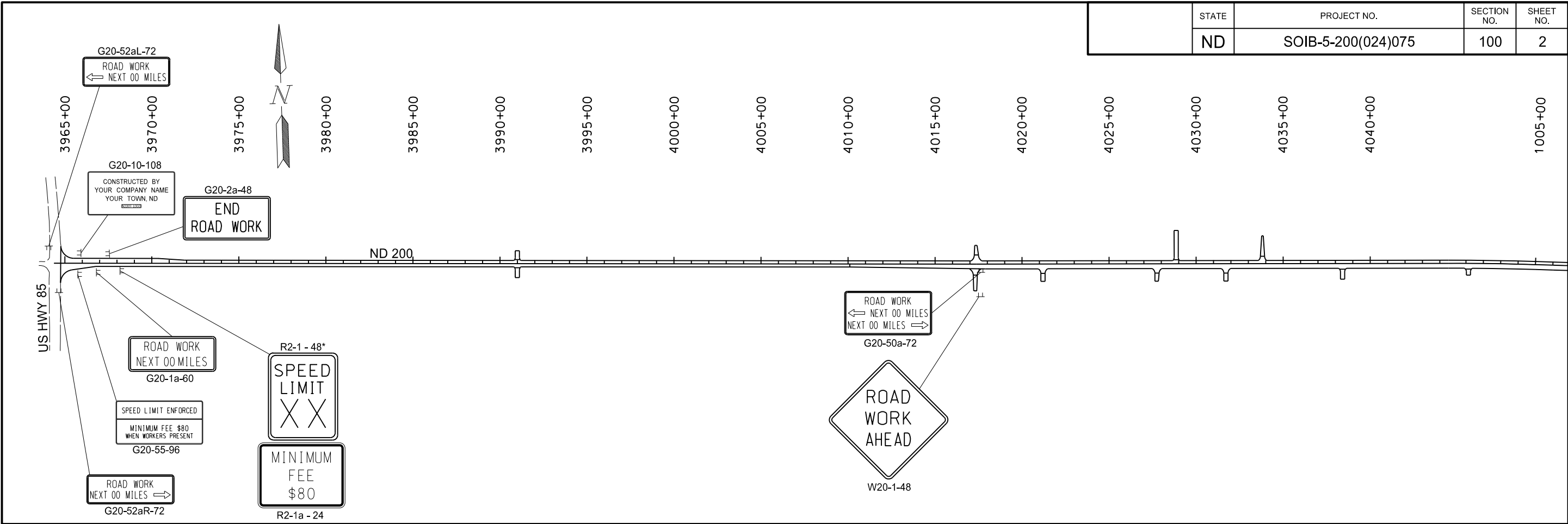
Note: All stations are based off of the existing alignment (ND200)

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ND Hwy 200  
 Monuments and  
 Right of Way Markers



STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	2



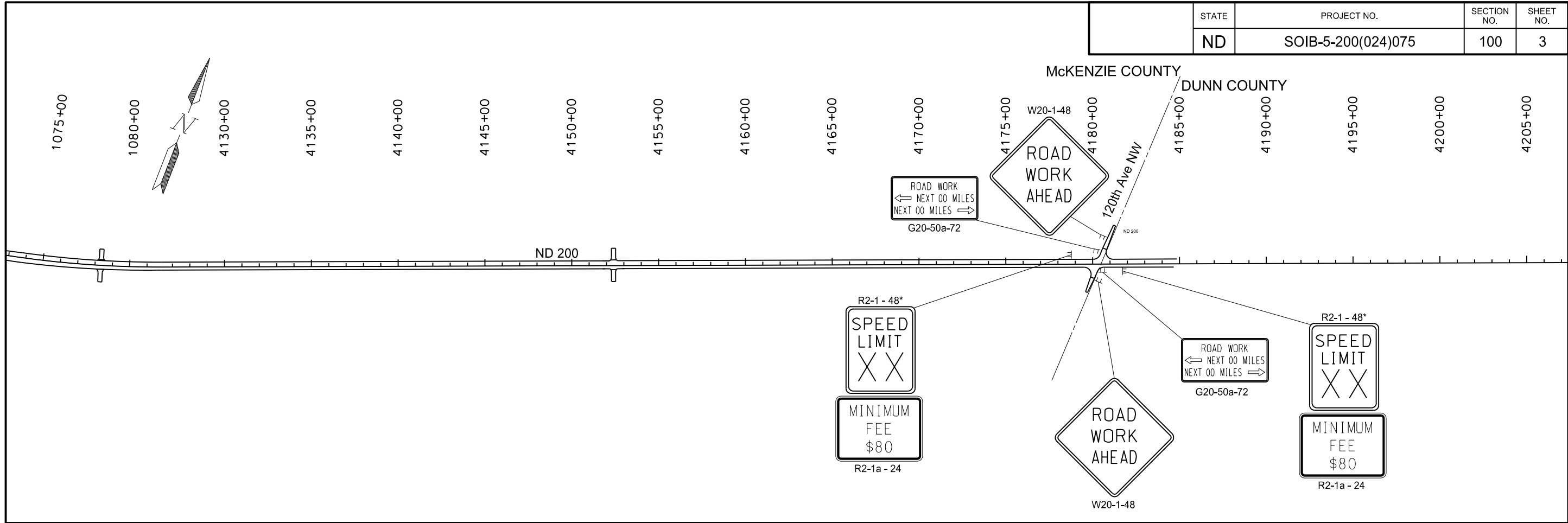
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ND Hwy 200  
 McKenzie County  
 Work Zone Traffic Control  
 Sta 3965+00 to 1075+00

The sign layout as shown is for general information purposes only.  
 The Contractor will be required to conform to MUTCD and the  
 Standard Drawings when installing traffic control signing.

\*Maximum speed limit in traffic control areas = 40 mph

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	3



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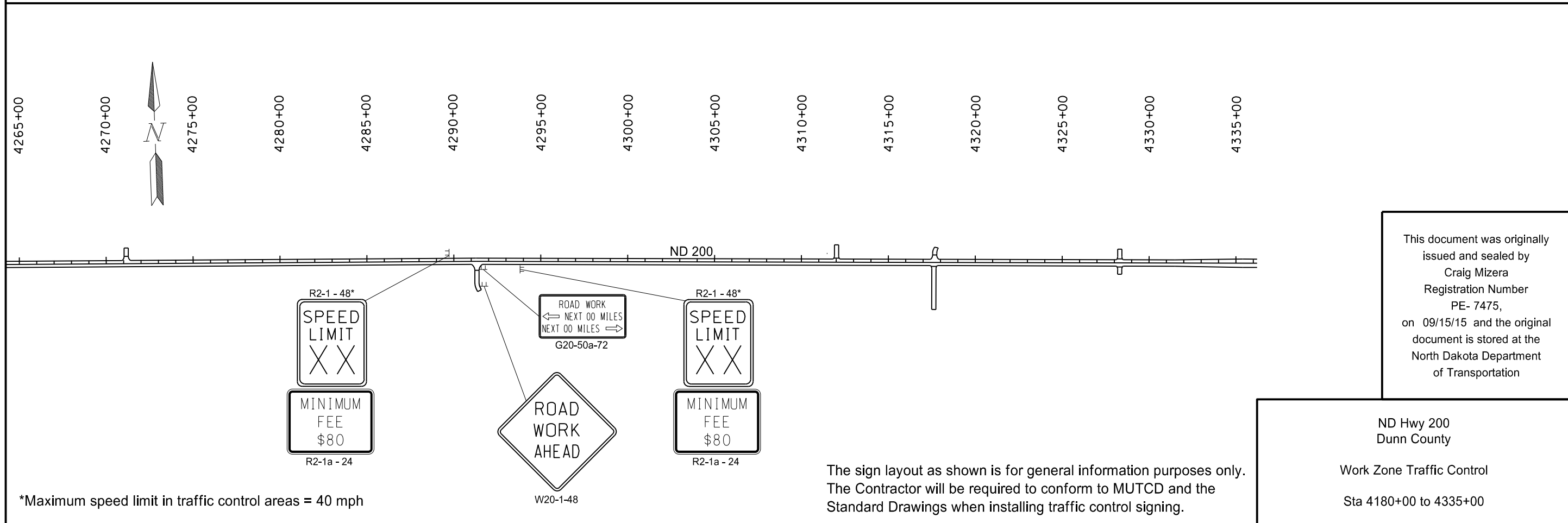
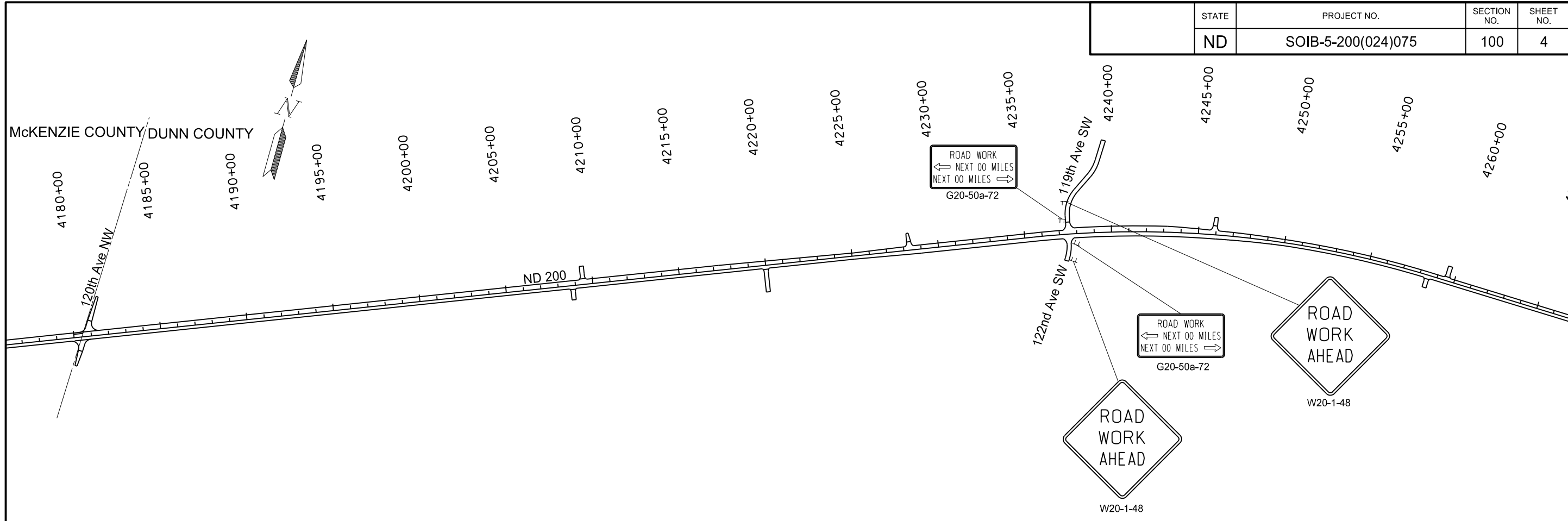
ND Hwy 200  
 McKenzie County  
 Work Zone Traffic Control  
 Sta 1075+00 to 4185+00

The sign layout as shown is for general information purposes only.  
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\*Maximum speed limit in traffic control areas = 40 mph



STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	4



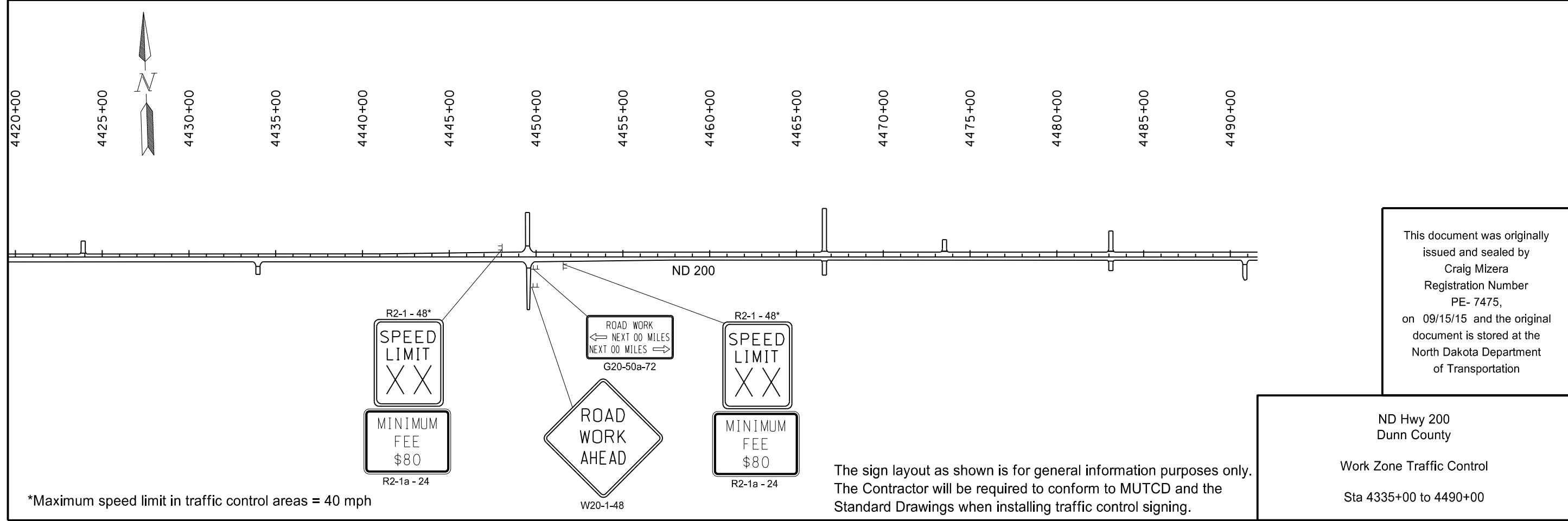
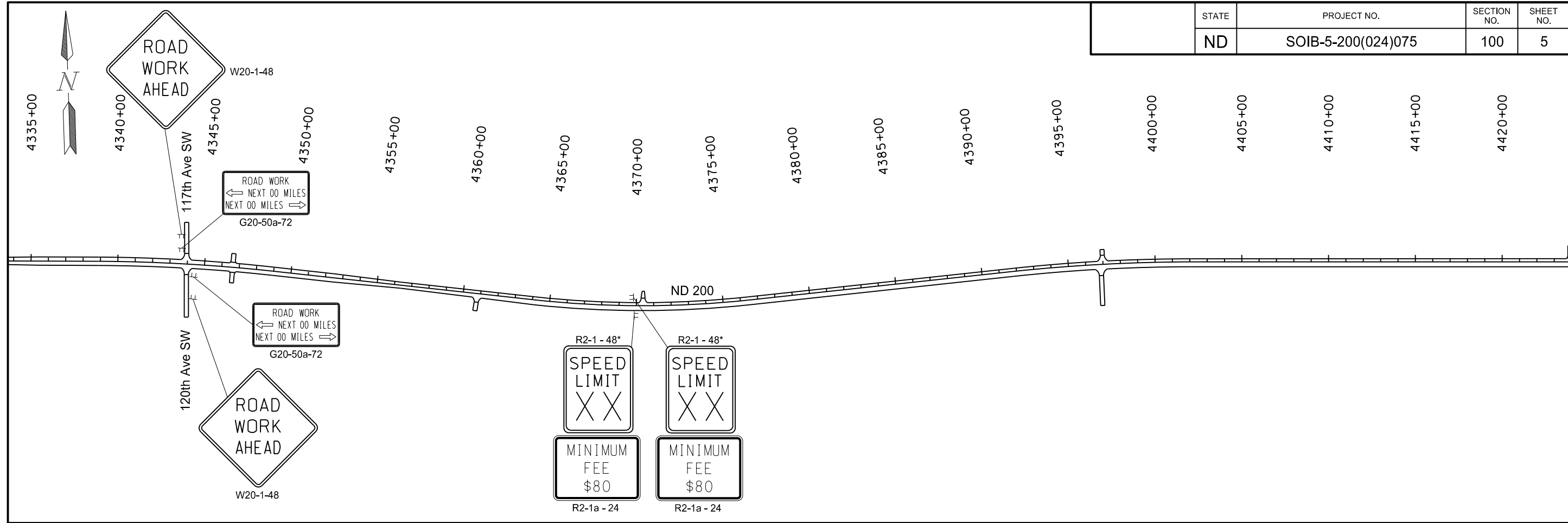
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ND Hwy 200  
 Dunn County  
 Work Zone Traffic Control  
 Sta 4180+00 to 4335+00

The sign layout as shown is for general information purposes only.  
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 Standard Drawings when installing traffic control signing.

\*Maximum speed limit in traffic control areas = 40 mph

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	5



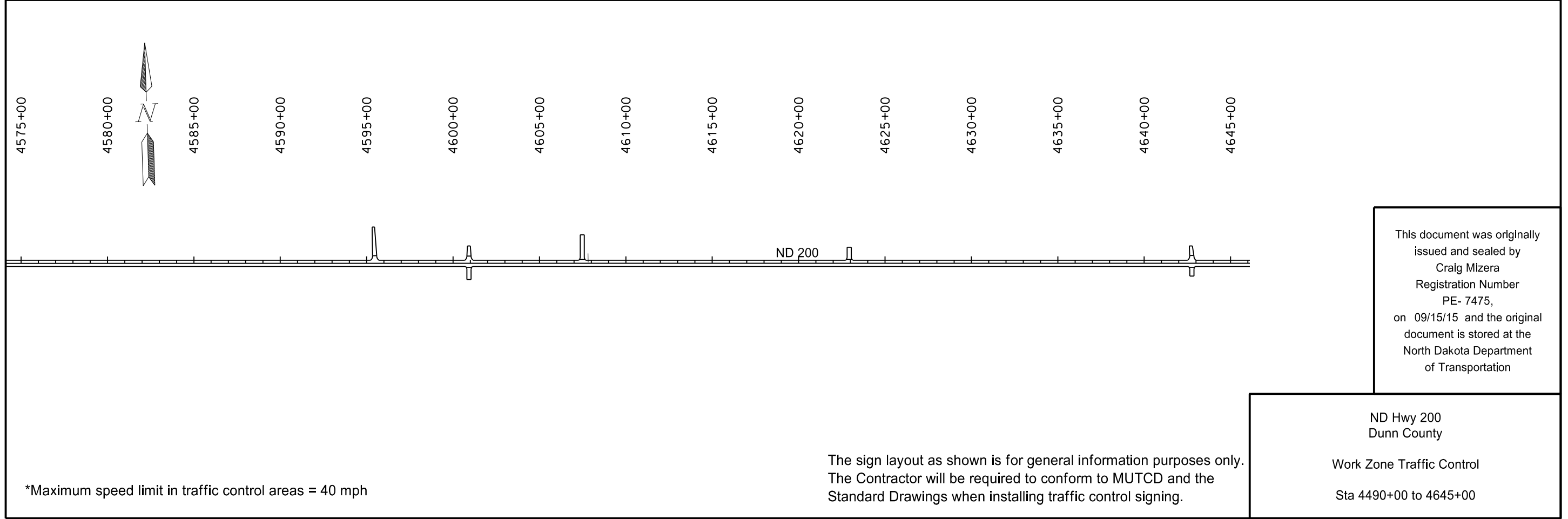
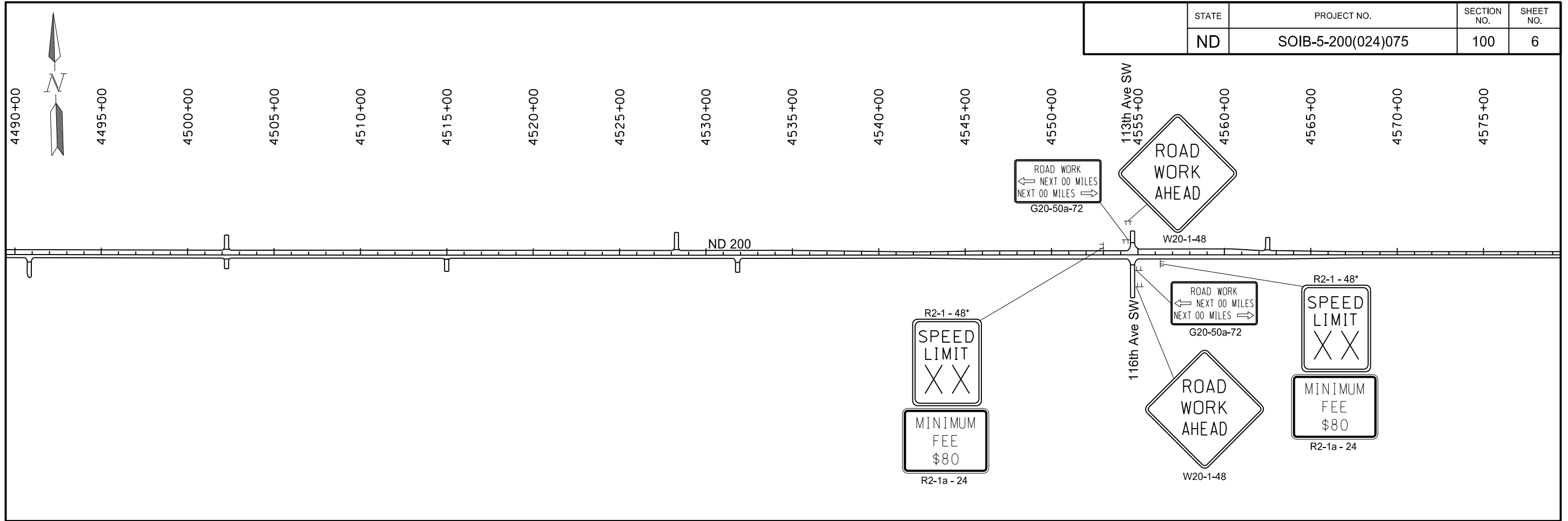
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ND Hwy 200  
 Dunn County  
 Work Zone Traffic Control  
 Sta 4335+00 to 4490+00

The sign layout as shown is for general information purposes only. The Contractor will be required to conform to MUTCD and the Standard Drawings when installing traffic control signing.

\*Maximum speed limit in traffic control areas = 40 mph

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	6



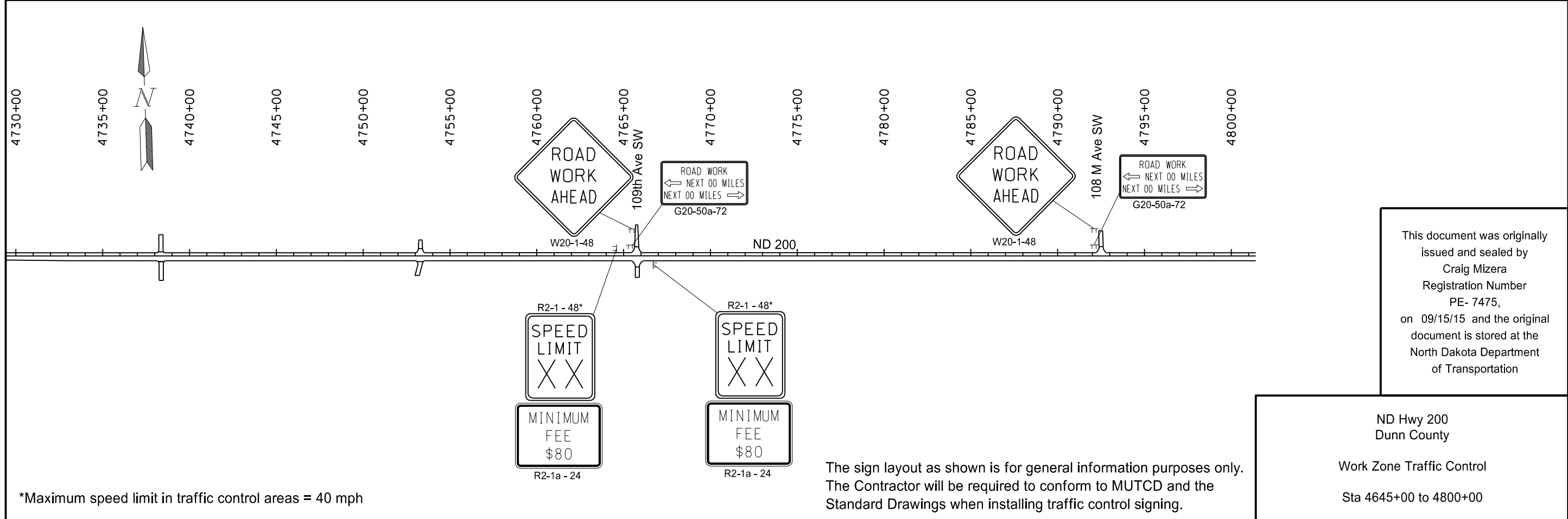
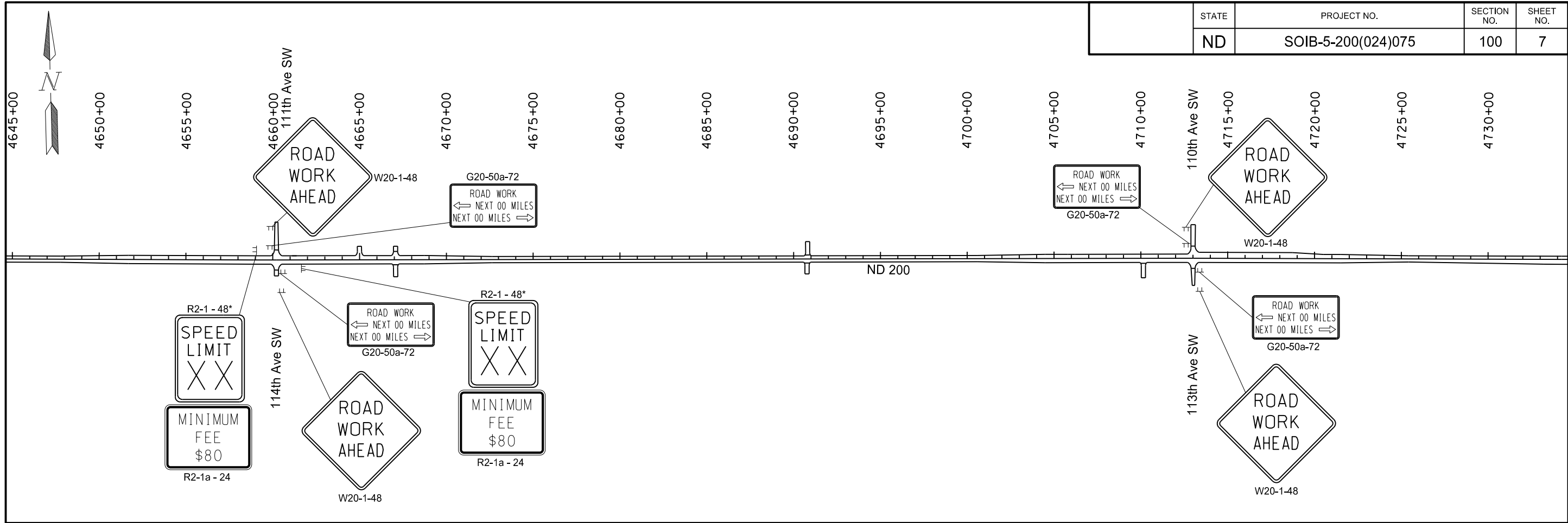
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ND Hwy 200  
 Dunn County  
 Work Zone Traffic Control  
 Sta 4490+00 to 4645+00

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	7



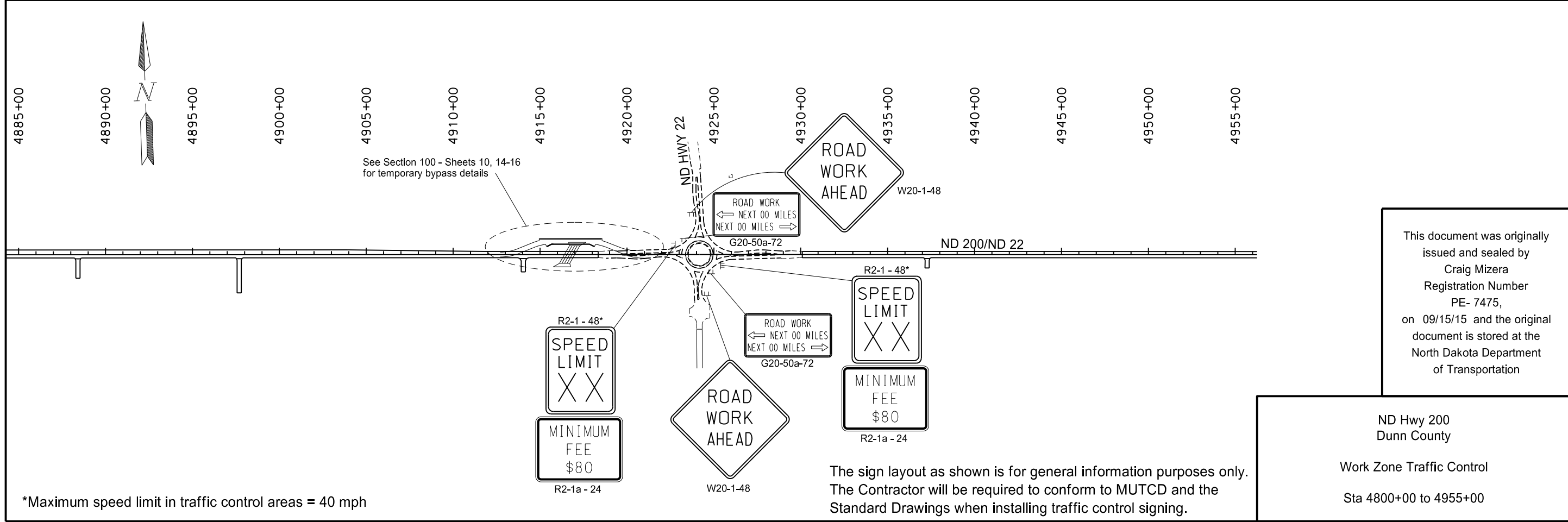
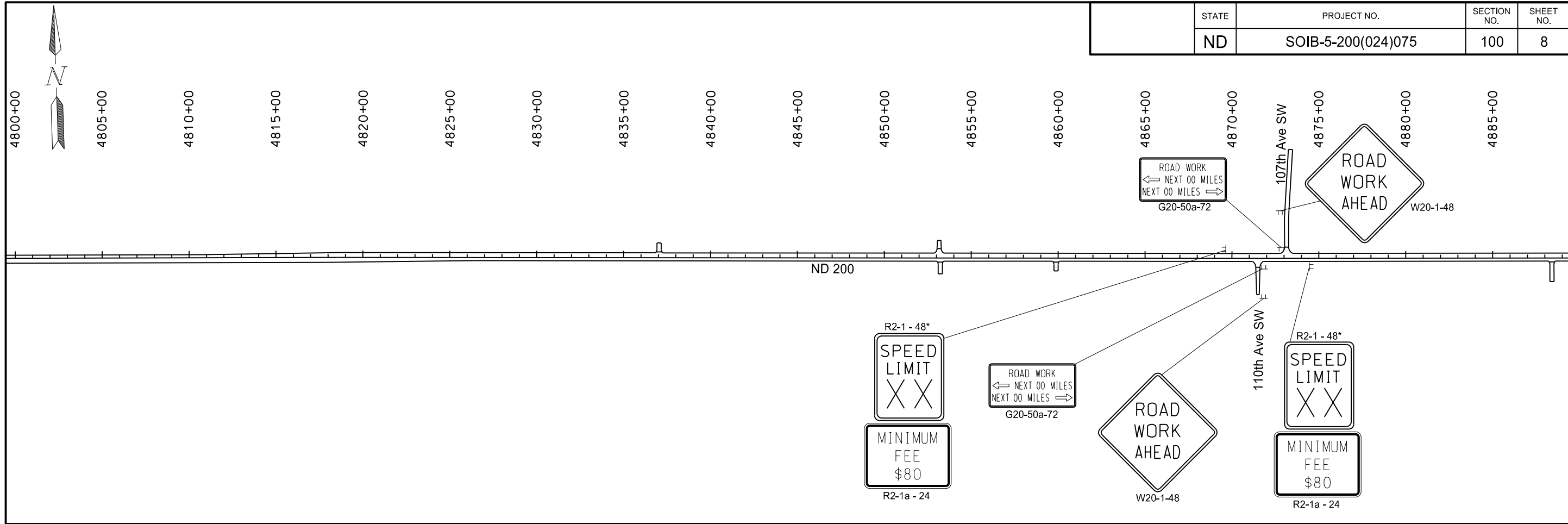
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ND Hwy 200  
 Dunn County  
 Work Zone Traffic Control  
 Sta 4645+00 to 4800+00

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\*Maximum speed limit in traffic control areas = 40 mph

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	8

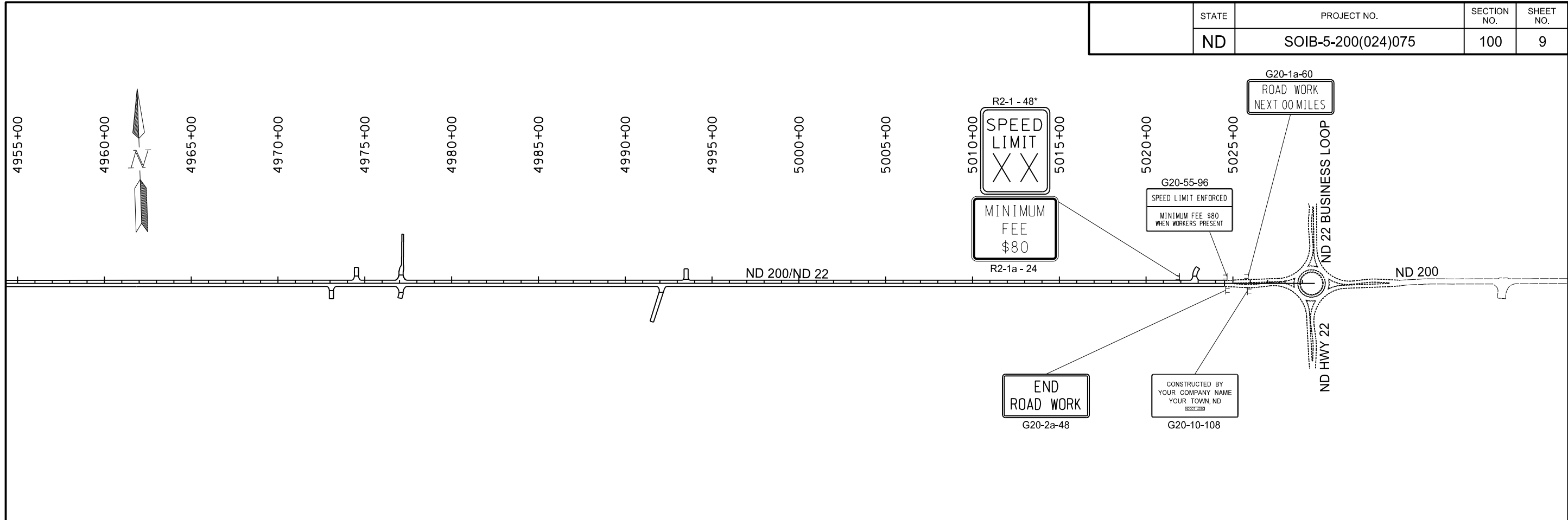


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ND Hwy 200  
 Dunn County  
 Work Zone Traffic Control  
 Sta 4800+00 to 4955+00

\*Maximum speed limit in traffic control areas = 40 mph

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	9



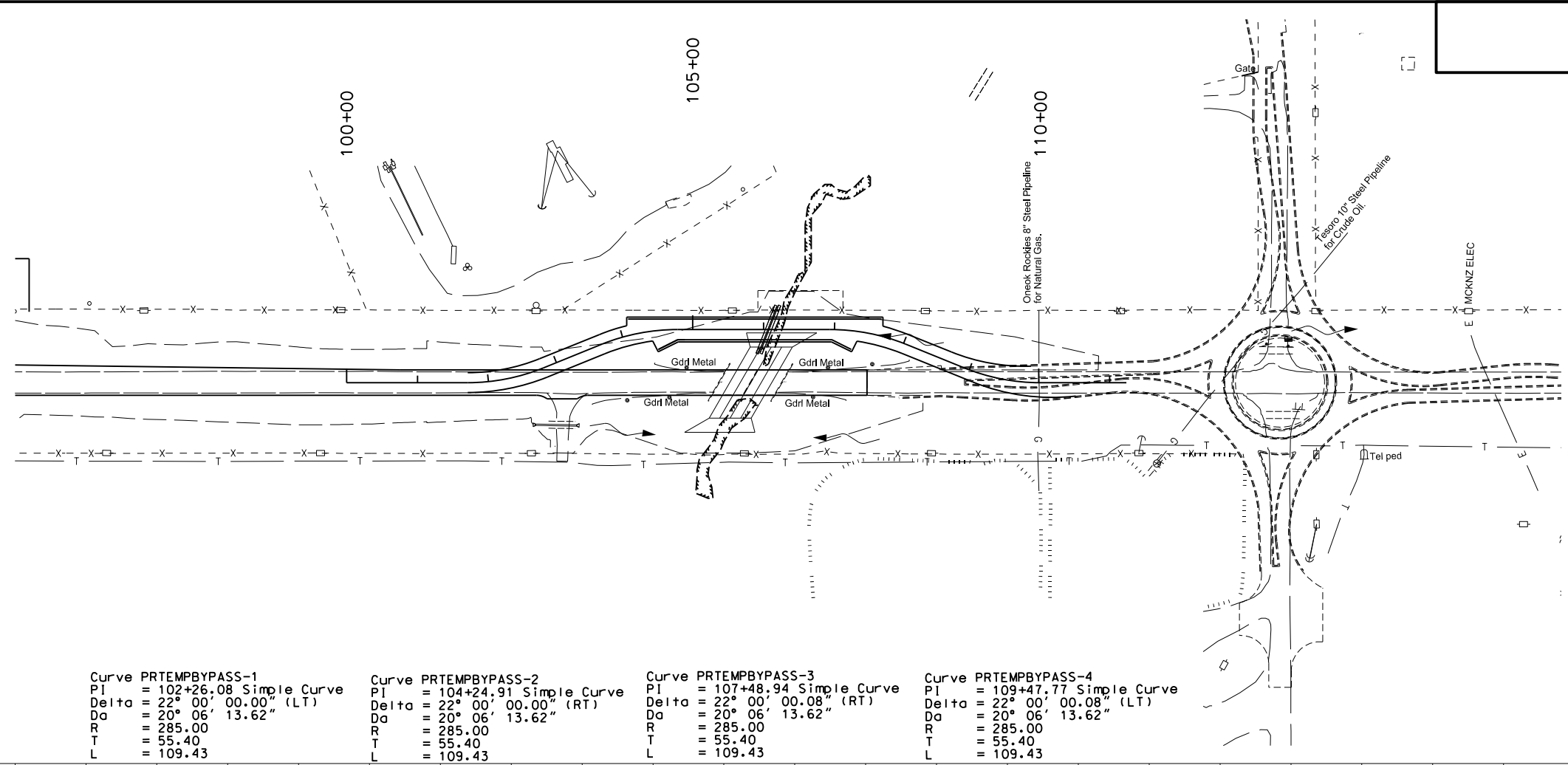
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ND Hwy 200  
 Dunn County  
 Work Zone Traffic Control  
 Sta 4955+00 to 5025+00

\*Maximum speed limit in traffic control areas = 40 mph

The sign layout as shown is for general information purposes only. The Contractor will be required to conform to MUTCD and the the Standard Drawings when installing the traffic control signing.

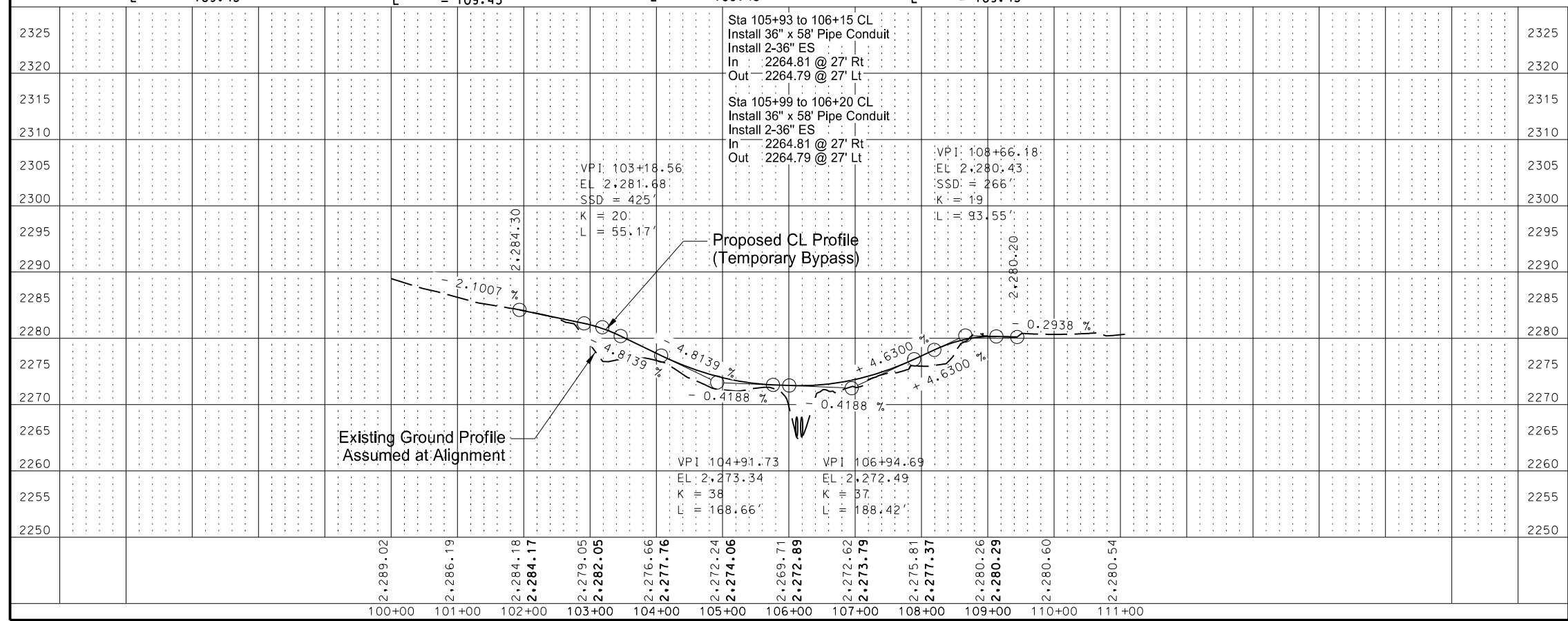
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	10



Temporary Bypass	
Common Excavation - Type A	1564 CY
Salvaged Base Coarse	1656 TON
Tack Coat	263 GAL
Superpave FAA 45	808 TON
PG 58-28 Asphalt Cement	48 TON
Pipe Conduit 36IN	132 LF
Embankment 30% Shrinkage	964 CY

Note: These are the estimated quantities for construction of the RCB Temporary Bypass. These quantities are included in the overall roadway quantities.

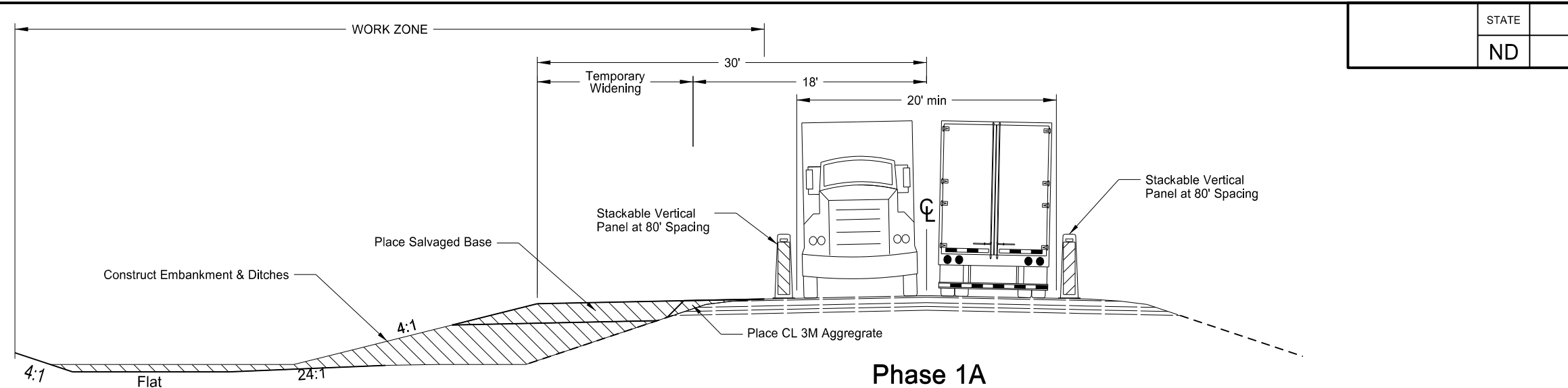
<p>Curve PRTEMPBYPASS-1          PI = 102+26.08 Simple Curve          Delta = 22° 00' 00.00" (LT)          Da = 20° 06' 13.62"          R = 285.00          T = 55.40          L = 109.43</p>	<p>Curve PRTEMPBYPASS-2          PI = 104+24.91 Simple Curve          Delta = 22° 00' 00.00" (RT)          Da = 20° 06' 13.62"          R = 285.00          T = 55.40          L = 109.43</p>	<p>Curve PRTEMPBYPASS-3          PI = 107+48.94 Simple Curve          Delta = 22° 00' 00.08" (RT)          Da = 20° 06' 13.62"          R = 285.00          T = 55.40          L = 109.43</p>	<p>Curve PRTEMPBYPASS-4          PI = 109+47.77 Simple Curve          Delta = 22° 00' 00.08" (LT)          Da = 20° 06' 13.62"          R = 285.00          T = 55.40          L = 109.43</p>
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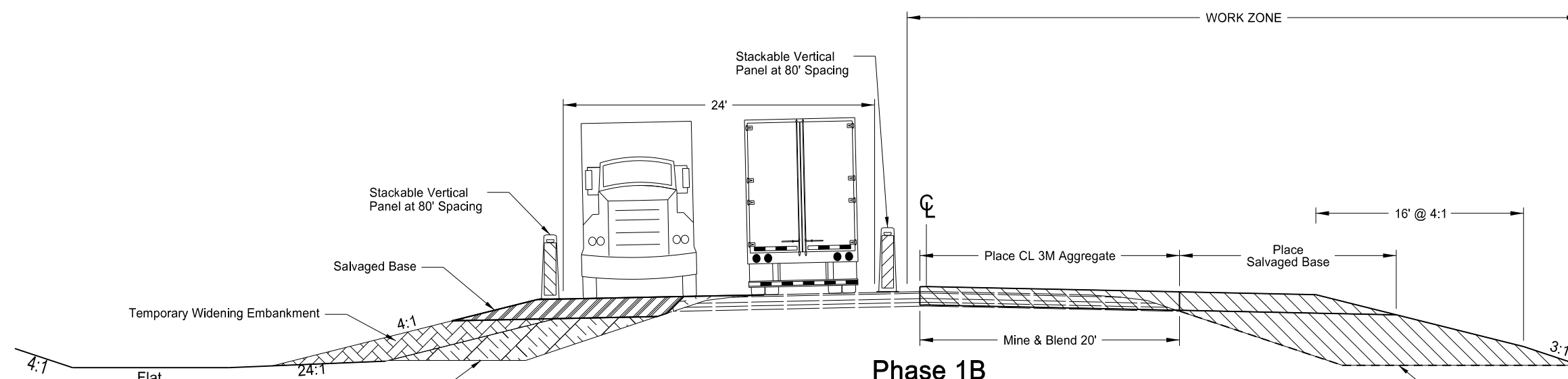
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ND Hwy 200  
 Dunn County  
 Temporary Bypass Plan & Profile

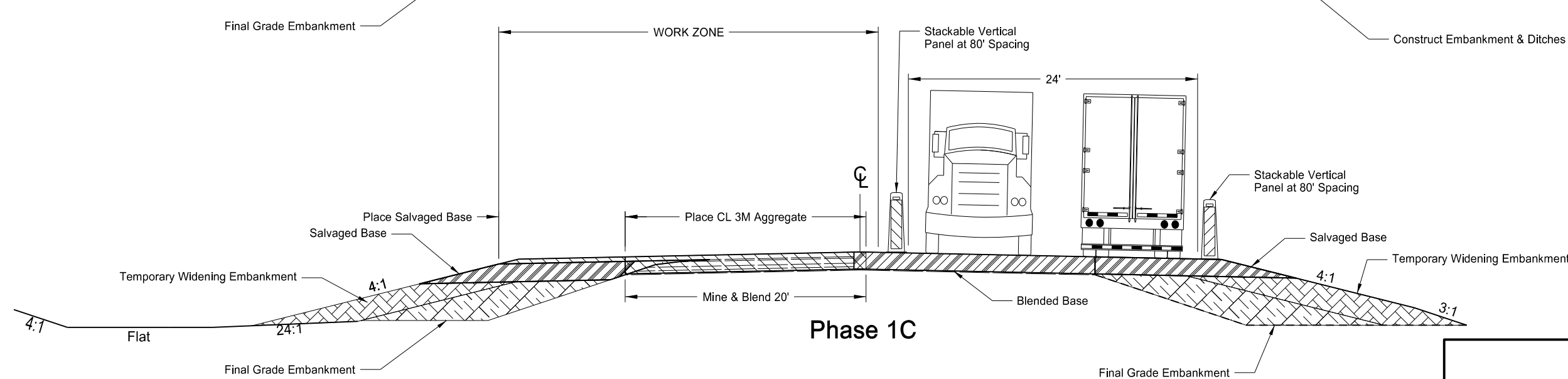
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	11



**Phase 1A**



**Phase 1B**



**Phase 1C**



Note:  
Temporary Widening shall be constructed in areas where the final roadway section embankment is unable to maintain two way travel.

Utilize the existing roadway to accommodate 2 lanes of traffic in the reconstruction area from Sta. 4050+00 to Sta. 4115+00  
Temporary widening quantities are not provided for this area.

Maximum speed limit in traffic control areas = 40 mph

Maximum timeframe for traffic on 2 lifts = 2 weeks

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ND Hwy 200  
Work Zone Traffic Control  
Phasing Typical Sections  
Phase 1A to 1C



STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	12



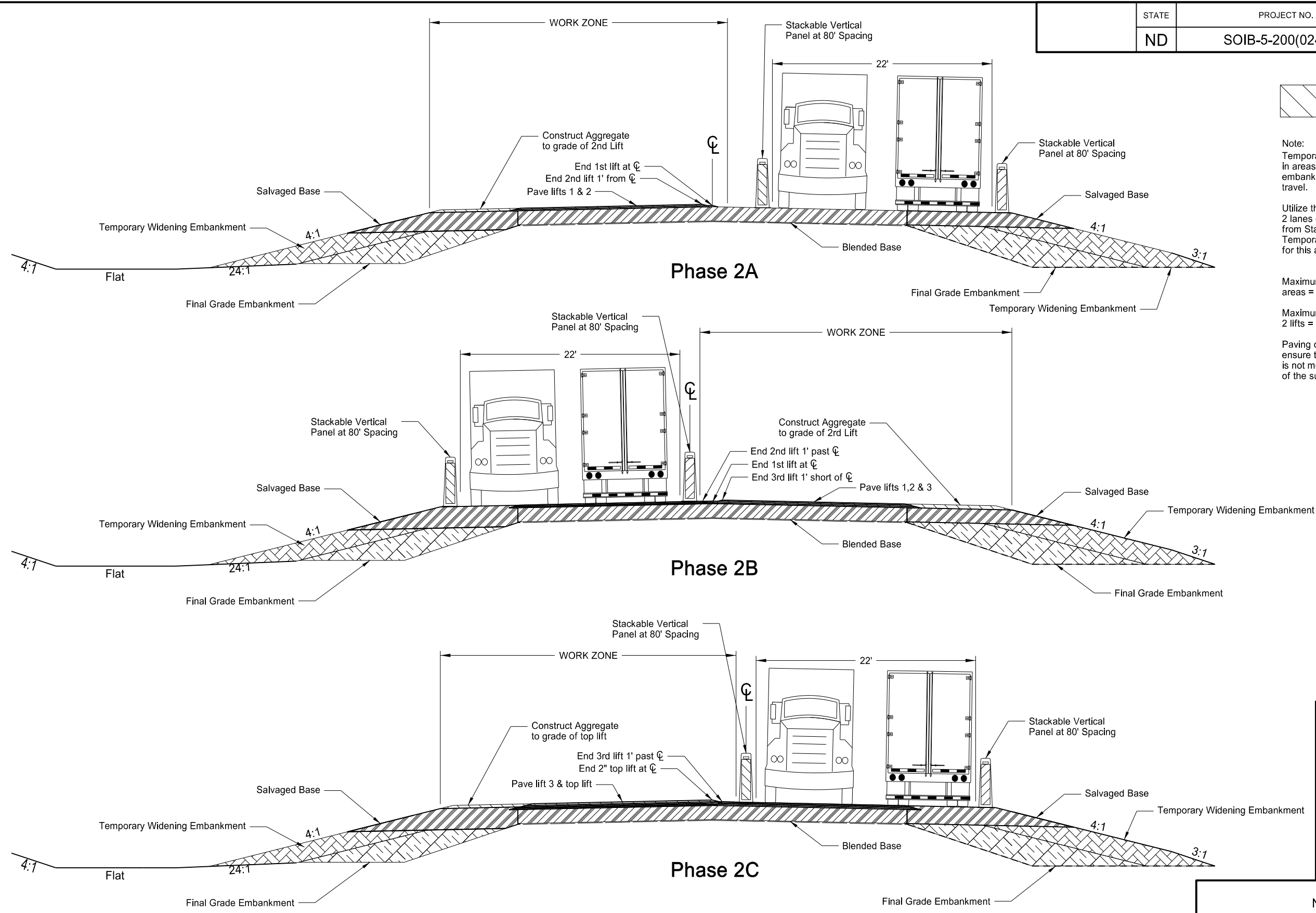
Note:  
Temporary Widening shall be constructed in areas where the final roadway section embankment is unable to maintain two way travel.

Utilize the existing roadway to accommodate 2 lanes of traffic in the reconstruction area from Sta. 4050+00 to Sta. 4115+00  
Temporary widening quantities are not provided for this area.

Maximum speed limit in traffic control areas = 40 mph

Maximum timeframe for traffic on 2 lifts = 2 weeks

Paving operation shall be sequenced to ensure that one section or lift of pavement is not more than one day of paving ahead of the subsequent section or lift of pavement.



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ND Hwy 200  
Work Zone Traffic Control  
Phasing Typical Sections  
Phase 2A to 2C

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	13



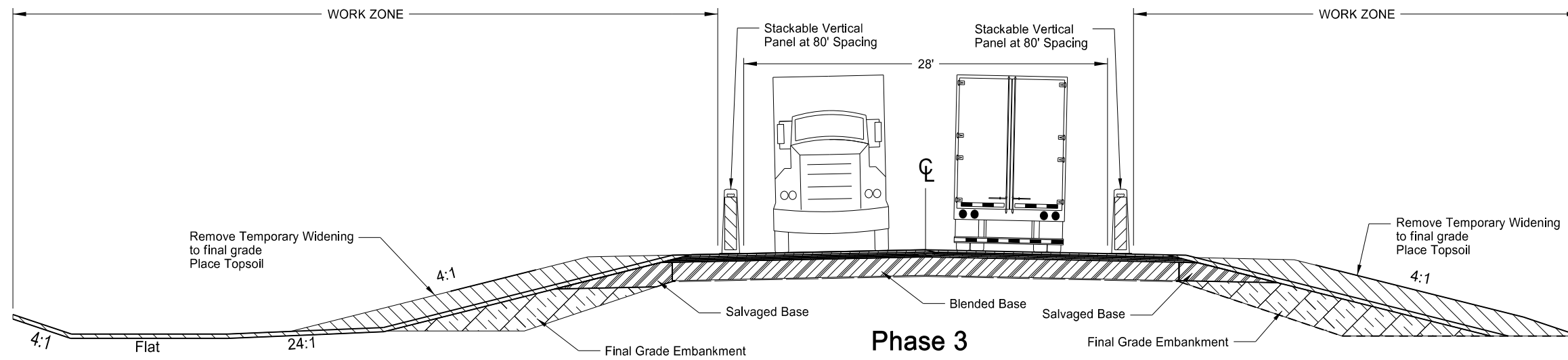
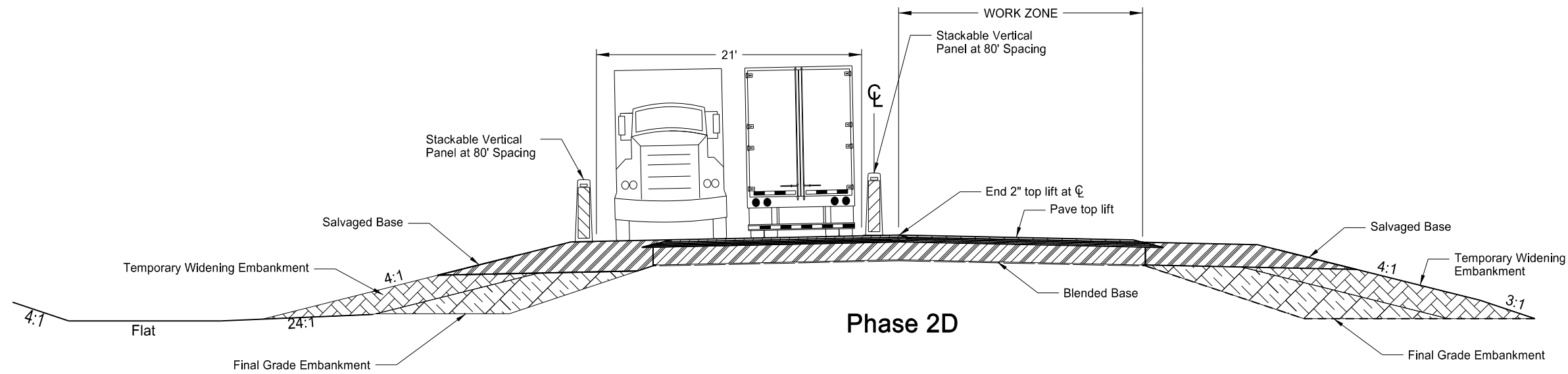
Note:  
Temporary Widening shall be constructed in areas where the final roadway section embankment is unable to maintain two way travel.

Utilize the existing roadway to accommodate 2 lanes of traffic in the reconstruction area from Sta. 4050+00 to Sta. 4115+00  
Temporary widening quantities are not provided for this area.

Maximum speed limit in traffic control areas = 40 mph

Maximum timeframe for traffic on 2 lifts = 2 weeks

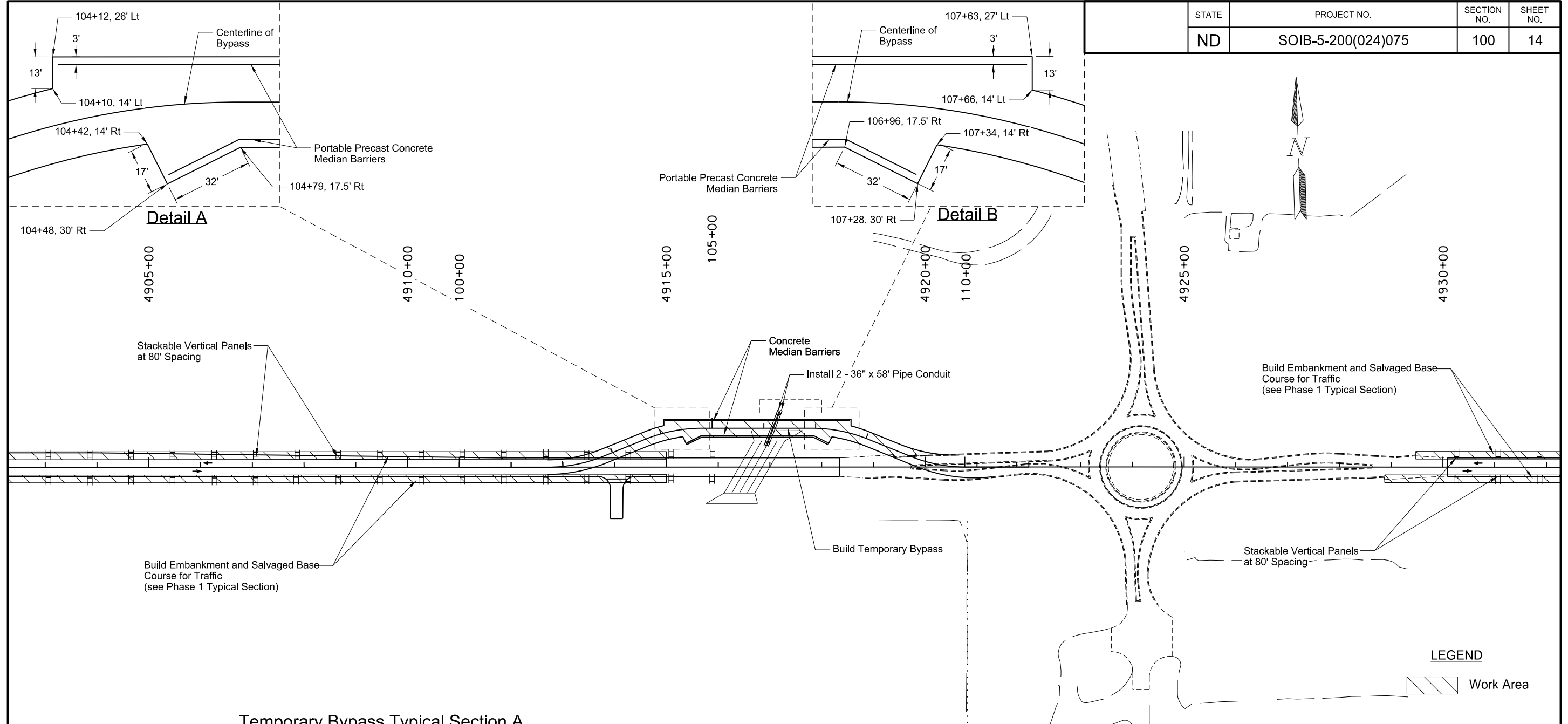
Paving operation shall be sequenced to ensure that one section or lift of pavement is not more than one day of paving ahead of the subsequent section or lift of pavement.



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ND Hwy 200  
Work Zone Traffic Control  
Phasing Typical Sections  
Phase 2D to 3

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	14



Stackable Vertical Panels at 80' Spacing

Build Embankment and Salvaged Base Course for Traffic (see Phase 1 Typical Section)

Concrete Median Barriers  
Install 2 - 36" x 58' Pipe Conduit

Build Temporary Bypass

Build Embankment and Salvaged Base Course for Traffic (see Phase 1 Typical Section)

Stackable Vertical Panels at 80' Spacing

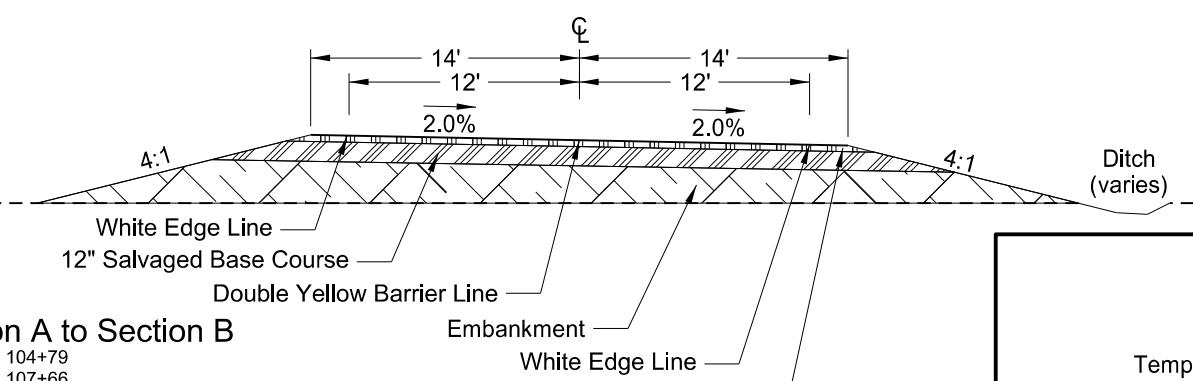
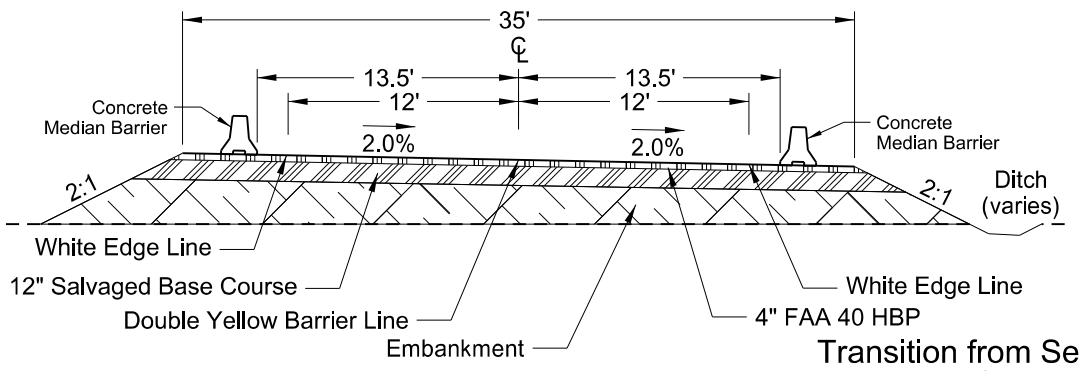
**LEGEND**  
Work Area

**Temporary Bypass Typical Section A**

Station 104+79 to 106+94

**Temporary Bypass Typical Section B**

Station 101+71 to 104+10  
Station 107+66 to 108+67



**Transition from Section A to Section B**

Station 104+10 to 104+79  
Station 106+94 to 107+66

**Transition from Section B to Roundabout**

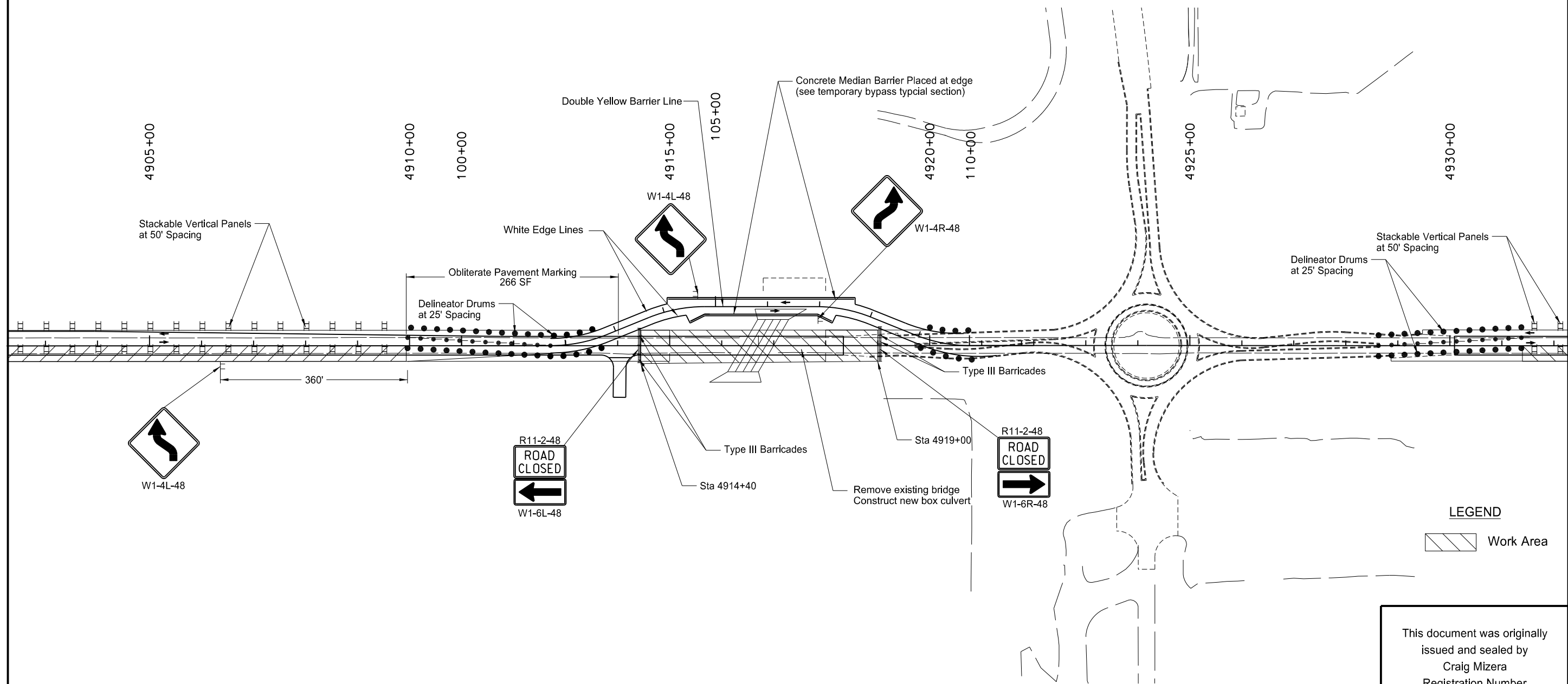
Station 108+67 to 110+52

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ND Hwy 200  
Dunn County  
Temporary Bypass - Phase 1  
Typical Sections

The sign layout as shown is for general information purposes only. The Contractor will be required to conform to MUTCD and the Standard Drawings when installing the traffic control signing.

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	15



**LEGEND**  
 Work Area

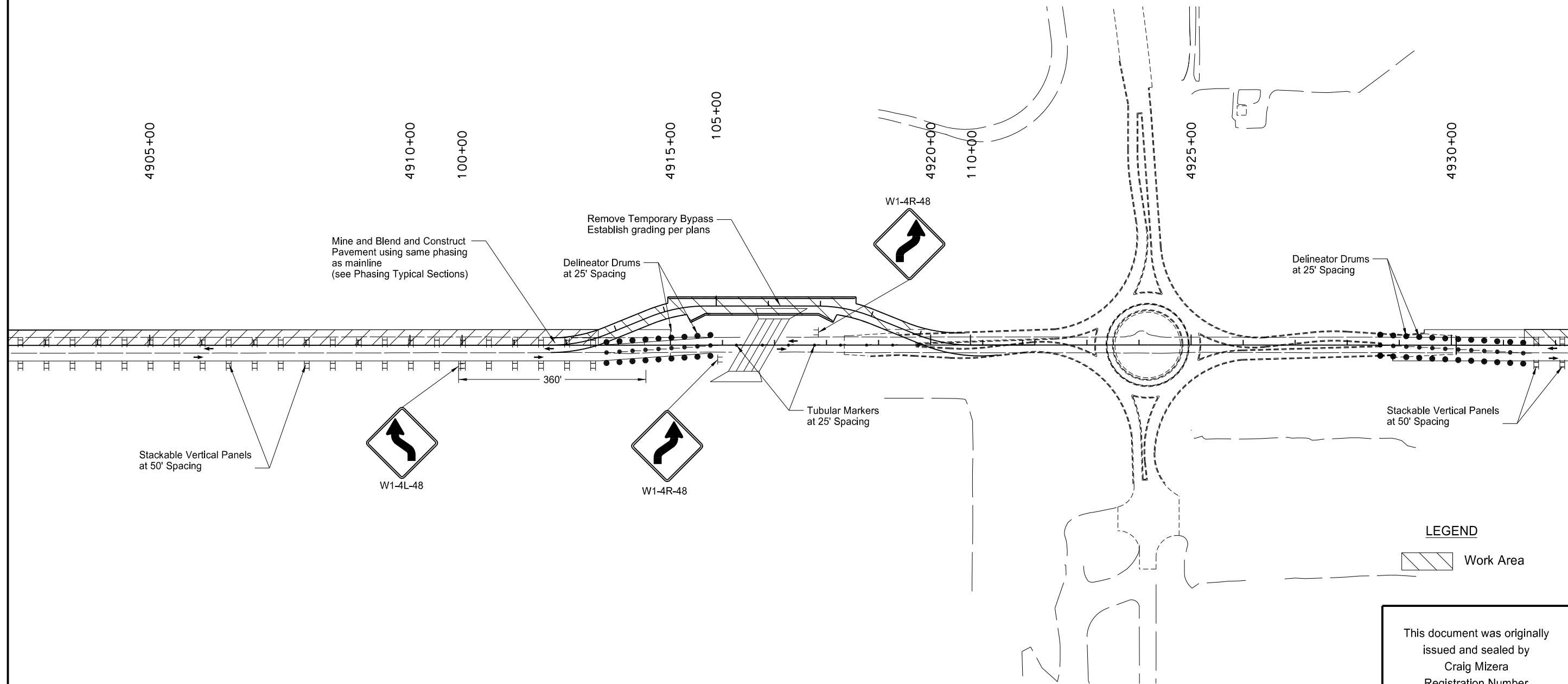
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ND Hwy 200  
 Dunn County  
 Temporary Bypass - Phase 2


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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	16

Temporary Bypass	EA
Removal of Temporary Bypass	1 EA



**LEGEND**

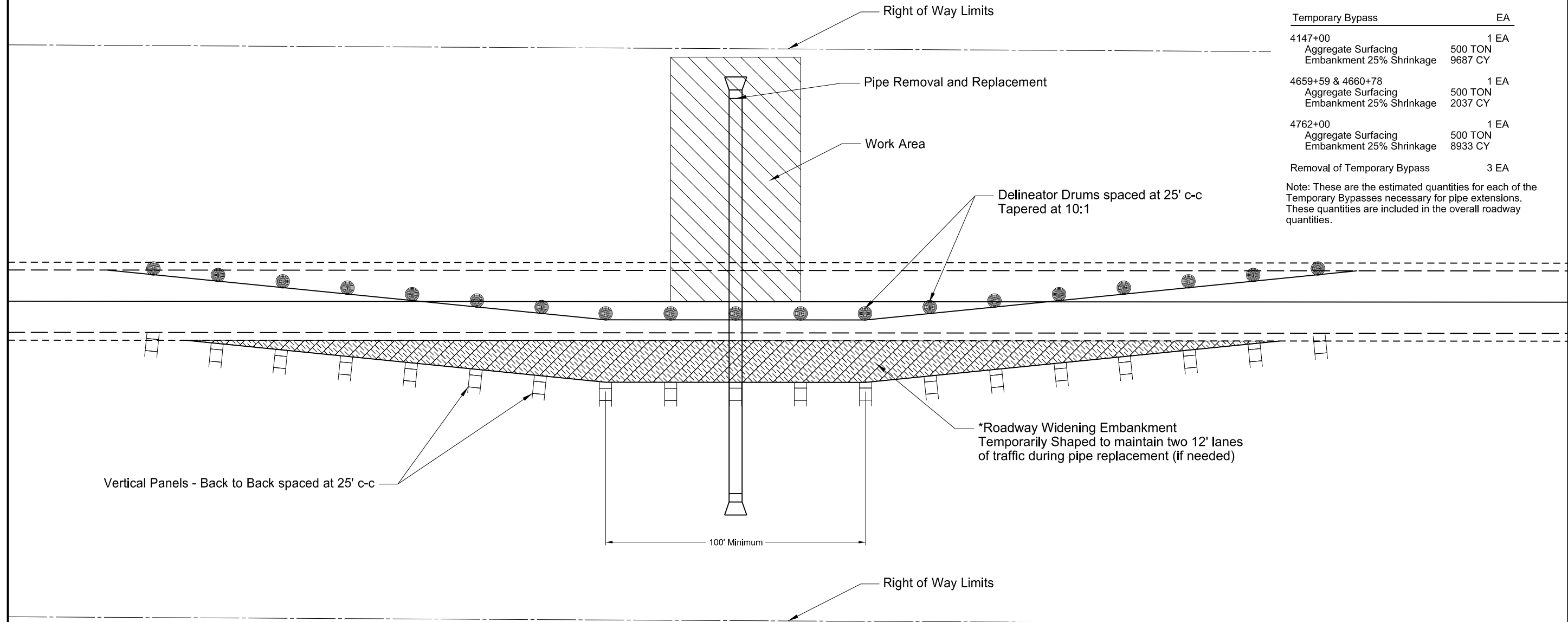
 Work Area

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ND Hwy 200  
 Dunn County  
 Temporary Bypass - Phase 3

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	100	17



Temporary Bypass		EA
4147+00	Aggregate Surfacing	500 TON
	Embankment 25% Shrinkage	9687 CY
4659+59 & 4660+78	Aggregate Surfacing	500 TON
	Embankment 25% Shrinkage	2037 CY
4762+00	Aggregate Surfacing	500 TON
	Embankment 25% Shrinkage	8933 CY
	Removal of Temporary Bypass	3 EA

Note: These are the estimated quantities for each of the Temporary Bypasses necessary for pipe extensions. These quantities are included in the overall roadway quantities.

Totals per Location				
SPEC	CODE	BID ITEM	UNIT	QUANTITY
704	1060	Delineator Drums	EA	19
704	1081	Vertical Panels-Back to Back	EA	19

Quantities included in the Traffic Control Device List (Supplied 3 Locations)

Note: Use in conjunction with standard drawing D-704-15 Layout Type B  
 \*If aggregate surfacing is required by engineer, blended base course or traffic service gravel will be used as temporary surfacing

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ND Hwy 200  
 Work Zone Traffic Control  
 Temporary Widening for Pipe Replacement  
 When work is Present

Sta/RP	Sign No.	Assembly No.	Flat Sheet For Signs		Sign Support Length				Support Size	Max Post Len	Sleeve Length				Sleeve Size	Anchor EA	Anchor LF	Anchor Size	Reset Sign Panel EA	Reset Sign Support EA	Break-Away EA	Comments
			IV SF	XI SF	1st LF	2nd LF	3rd LF	4th LF		LF	1st LF	2nd LF	3rd LF	4th LF								
1014+08 Rt		1		5.2	10.7				2.25 x 2.25 12 ga	13.7						1	4	2.5 x 2.5 12 ga				
1051+50 Rt	SA-2E			5.2	12.2				2.25 x 2.25 12 ga	13.3						1	4	2.5 x 2.5 12 ga	1			
1055+80 Rt		20		9.0	13.2				2.25 x 2.25 12 ga	14.1	4.5				2 x 2 12 ga	1	4	3 x 3 7 ga			1	
1061+80 Rt		20		9.0	12.7				2.25 x 2.25 12 ga	14.1	4.0				2 x 2 12 ga	1	4	3 x 3 7 ga			1	
3964+76 Lt		2		7.5	7.7				2.25 x 2.25 12 ga	9.6						1	4	2.5 x 2.5 12 ga				
3965+07 Lt		1		5.2	12.1				2.25 x 2.25 12 ga	13.7						1	4	2.5 x 2.5 12 ga				
3966+57 Rt		372	7.0		12.7				2.5 x 2.5 12 ga	14.1						1	4	3 x 3 7 ga				
3968+57 Lt	SN-1		38.0		12.6	13.4	14.1		2.5 x 2.5 10 ga	15.2	3.4	4.2	4.9		2.19 x 2.19 10 ga	3	4	3 x 3 7 ga			3	
3970+57 Rt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
3972+57 Lt		414	11.2		14.4				2.5 x 2.5 12 ga	16.7	3.8				2.25 x 2.25 12 ga	1	4	3 x 3 7 ga			1	
3976+57 Lt		399	6.2		12.8				2.5 x 2.5 12 ga	15.9						1	4	3 x 3 7 ga				
3977+67 Rt	SN-3	9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
3980+57 Lt		21		16.0	13.6	14.1			2.25 x 2.25 12 ga	15.7	4.0	4.5			2 x 2 12 ga	2	4	3 x 3 7 ga			2	
3980+57 Rt		21		16.0	13.6	14.1			2.25 x 2.25 12 ga	15.7	4.0	4.5			2 x 2 12 ga	2	4	3 x 3 7 ga			2	
3985+00 Rt	SA-A		12.3		12.2				2.5 x 2.5 12 ga	13.3	4.2				2.25 x 2.25 12 ga	1	4	3 x 3 7 ga			1	
3987+63 Rt		40	12.0		12.0				2.5 x 2.5 12 ga	13.5	3.8				2.25 x 2.25 12 ga	1	4	3 x 3 7 ga			1	
4005+10 Lt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4007+60 Rt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4017+57 Rt		1		5.2	10.8				2.25 x 2.25 12 ga	13.7						1	4	2.5 x 2.5 12 ga				
4130+30 Lt		20		9.0	13.2				2.25 x 2.25 12 ga	14.1	4.5				2 x 2 12 ga	1	4	3 x 3 7 ga			1	
4136+30 Lt		20		9.0	13.2				2.25 x 2.25 12 ga	14.1	4.5				2 x 2 12 ga	1	4	3 x 3 7 ga			1	
4142+41 Rt	SA-B		14.0		12.6				2.5 x 2.5 10 ga	15.0	3.4				2.19 x 2.19 10 ga	1	4	3 x 3 7 ga			1	
4175+00 Lt		9		5.0	12.2				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4178+85 Rt	SN-4		13.5		11.8				2.5 x 2.5 10 ga	14.1	3.3				2.19 x 2.19 10 ga	1	4	3 x 3 7 ga			1	
4180+25 Lt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			
4180+44 Rt		1		5.2	10.8				2.25 x 2.25 12 ga	13.7						1	4	2.5 x 2.5 12 ga				
4182+18 Lt	SN-5		15.0		12.1				2.5 x 2.5 10 ga	12.8	4.4				2.19 x 2.19 10 ga	1	4	3 x 3 7 ga			1	
4185+00 Rt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4227+61 Lt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4237+10 Rt		9		5.0	11.3				2 x 2 12 ga	11.5						1	4	2.25 x 2.25 12 ga				
4237+27 Lt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			
4237+77 Rt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			
4254+90 Rt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4270+10 Lt	SA-A		12.3		12.2				2.5 x 2.5 12 ga	13.3	4.2				2.25 x 2.25 12 ga	1	4	3 x 3 7 ga			1	

Basis of Estimate  
Sign Support Lengths  
The sign support lengths have been calculated using the following vertical clearances:  
Rural Roadway - 60"

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Sta/RP	Sign No.	Assembly No.	Flat Sheet For Signs		Sign Support Length				Support Size	Max Post Len LF	Sleeve Length				Sleeve Size	Anchor EA	Anchor LF	Anchor Size	Reset Sign Panel EA	Reset Sign Support EA	Break-Away EA	Comments
			IV SF	XI SF	1st LF	2nd LF	3rd LF	4th LF			1st LF	2nd LF	3rd LF	4th LF								
4311+34 Rt	SA-A		12.3		12.2				2.5 x 2.5 12 ga	13.3	4.2				2.25 x 2.25 12 ga	1	4	3 x 3 7 ga			1	
4327+83 Lt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4339+00 Lt		9		5.0	11.8				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4343+69 Lt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			
4344+23 Rt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			
4349+00 Rt		9		5.0	12.3				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4353+84 Rt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4426+20 Lt	SA-B		14.0		13.0				2.5 x 2.5 10 ga	15.5	3.3				2.19 x 2.19 10 ga	1	4	3 x 3 7 ga			1	
4432+00 Rt		20		9.0	13.2				2.25 x 2.25 12 ga	14.1	4.5				2 x 2 12 ga	1	4	3 x 3 7 ga			1	
4438+00 Rt		20		9.0	13.2				2.25 x 2.25 12 ga	14.1	4.5				2 x 2 12 ga	1	4	3 x 3 7 ga			1	
4445+11 Rt		9		5.0	12.2				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4453+90 Lt		9		5.0	12.2				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4461+00 Lt		20		9.0	13.2				2.25 x 2.25 12 ga	14.1	4.5				2 x 2 12 ga	1	4	3 x 3 7 ga			1	
4467+00 Lt		20		9.0	13.2				2.25 x 2.25 12 ga	14.1	4.5				2 x 2 12 ga	1	4	3 x 3 7 ga			1	
4472+80 Rt	SA-B		14.0		12.7				2.5 x 2.5 10 ga	15.0	3.5				2.19 x 2.19 10 ga	1	4	3 x 3 7 ga			1	
4486+26 Rt		19		6.3	12.7				2.5 x 2.5 12 ga	14.5						1	4	3 x 3 7 ga				
4489+56 Lt		372	7.0		12.8				2.5 x 2.5 12 ga	14.1						1	4	3 x 3 7 ga				
4492+12 Rt		372	7.0		12.6				2.5 x 2.5 12 ga	14.1						1	4	3 x 3 7 ga				
4544+77 Lt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4551+40 Rt	SN-6		36.0		13.2	13.8	14.3		2.5 x 2.5 10 ga	16.3	3.2	3.8	4.4		2.19 x 2.19 10 ga	3	4	3 x 3 7 ga			3	
4554+44 Lt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			
4554+94 Rt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			
4558+01 Lt	SN-7		36.0		13.2	13.7	14.3		2.5 x 2.5 10 ga	16.3	3.2	3.8	4.3		2.19 x 2.19 10 ga	3	4	3 x 3 7 ga			3	
4572+11 Rt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4587+27 Lt	SA-A		12.3		12.2				2.5 x 2.5 12 ga	13.3	4.2				2.25 x 2.25 12 ga	1	4	3 x 3 7 ga			1	
4659+96 Lt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			
4660+46 Rt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			
4680+43 Rt	SA-A		12.3		12.2				2.5 x 2.5 12 ga	13.3	4.2				2.25 x 2.25 12 ga	1	4	3 x 3 7 ga			1	
4693+88 Lt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4712+75 Lt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			
4713+26 Rt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			
4722+93 Rt		9		5.0	12.3				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4761+00 Lt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4765+50 Lt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			
4770+00 Rt		9		5.0	12.2				2.25 x 2.25 12 ga	15.0						1	4	2.5 x 2.5 12 ga				
4792+25 Lt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3						1	4	2.5 x 2.5 12 ga	1			

Basis of Estimate  
Sign Support Lengths  
The sign support lengths have been calculated using the following vertical clearances:  
Rural Roadway - 60"

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Sign Summary  
Perforated Tube  
ND Hwy 200



STATE	PROJECT NO.	SECTION NO.	SHEET NO.
N.D.	SOIB-5-200(024)075	110	3

Sta/RP	Sign No.	Assembly No.	Flat Sheet For Signs		Sign Support Length				Support Size	Max Post Len LF	Sleeve Length				Sleeve Size	Anchor EA	Anchor LF	Anchor Size	Reset Sign Panel EA	Reset Sign Support EA	Break-Away EA	Comments
			IV SF	XI SF	1st LF	2nd LF	3rd LF	4th LF			1st LF	2nd LF	3rd LF	4th LF								
4795+77 Lt	SA-B		14.0		12.6				2.5 x 2.5 10 ga	15.0	3.4			2.19 x 2.19 10 ga	1	4	3 x 3 7 ga				1	
4800+59 Rt		20		9.0	13.2				2.25 x 2.25 12 ga	14.1	4.5			2 x 2 12 ga	1	4	3 x 3 7 ga				1	
4806+59 Rt		20		9.0	13.2				2.25 x 2.25 12 ga	14.1	4.5			2 x 2 12 ga	1	4	3 x 3 7 ga				1	
4814+67 Rt		9		5.0	12.2				2.25 x 2.25 12 ga	15.0					1	4	2.5 x 2.5 12 ga					
4822+48 Lt		9		5.0	12.2				2.25 x 2.25 12 ga	15.0					1	4	2.5 x 2.5 12 ga					
4830+56 Lt		20		9.0	13.2				2.25 x 2.25 12 ga	14.1	4.5			2 x 2 12 ga	1	4	3 x 3 7 ga				1	
4836+56 Lt		20		9.0	13.2				2.25 x 2.25 12 ga	14.1	4.5			2 x 2 12 ga	1	4	3 x 3 7 ga				1	
4871+75 Rt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3					1	4	2.5 x 2.5 12 ga	1				
4872+90 Lt	SA-2B			5.2	11.5				2.25 x 2.25 12 ga	12.3					1	4	2.5 x 2.5 12 ga	1				
4914+25 Lt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0					1	4	2.5 x 2.5 12 ga					
4956+75 Lt	SA-A		12.3		12.2				2.5 x 2.5 12 ga	13.3	4.2			2.25 x 2.25 12 ga	1	4	3 x 3 7 ga				1	
5005+06 Rt		20		9.0	13.0				2.25 x 2.25 12 ga	14.1	4.3			2 x 2 12 ga	1	4	3 x 3 7 ga				1	
5016+58 Rt		9		5.0	12.0				2.25 x 2.25 12 ga	15.0					1	4	2.5 x 2.5 12 ga					
5020+58 Rt		391			13.5				2.5 x 2.5 12 ga	15.9					1	4	3 x 3 7 ga	1				
5022+55 Lt		1		5.2	10.6				2.25 x 2.25 12 ga	13.7					1	4	2.5 x 2.5 12 ga					
5022+58 Rt		53			14.5				2.25 x 2.25 12 ga	16.1	4.4			2 x 2 12 ga	1	4	3 x 3 7 ga	1			1	
<b>Sub Total</b>			318.7	397.0		<b>Total</b>	1164.1								<b>Total</b>	376			18	0	41	
<b>Grand Total</b>			318.7	397.0		<b>Total</b>	1164.1								<b>Total</b>	376			18	0	41	

Basis of Estimate  
Sign Support Lengths  
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Rural Roadway - 60"

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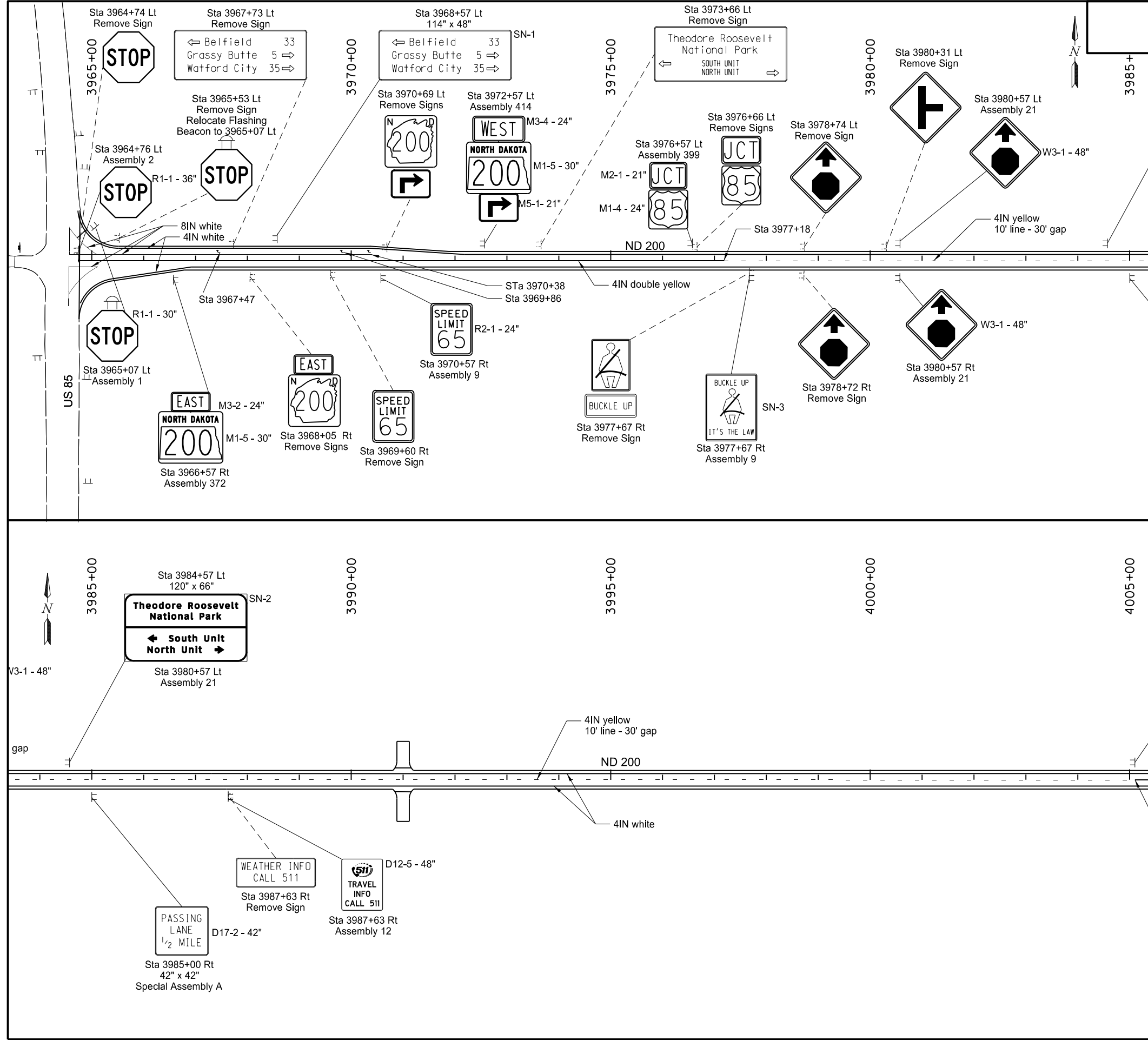
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
N.D.	SOIB-5-200(024)075	110	4

Sta/RP	Sign/Assembly No.	Flat Sheet For Signs		Panel For Signs		Overlay Panel		Galv Steel Post Standard Pipe		Size	Galv Steel Post W-Shape Posts			Max Post Len LF	Post Space FT	Revise Fuse Joint EA	Std Pipe Fdn			W-Shape Pile LF	Remove Sign Fdns		Reset Sign Panel EA	Reset Sign Support EA	Stub Post EA	Multi Dir Base EA	Comments	
		IV SF	XI SF	IV SF	XI SF	IV SF	XI SF	1st LF	2nd LF		3rd LF	1st LF	2nd LF				3rd LF	Dia FT	Dep FT		Vol CY	Conc Fdn EA						W-Shape Pile EA
3984+57 Lt	SN-2			55.0						W5x16	14.9	16.1		23.7	5.0													
5018+58 Rt	DSTN									W5x16					4.5								1	2				
<b>Sub Total</b>		0.0	0.0	55.0	0.0	0.0	0.0	<b>Total</b> 0.0					<b>Total</b> 31.0					0.0	56	0	0	1	2	0	0			
<b>Grand Total</b>		0.0	0.0	55.0	0.0	0.0	0.0	<b>Total</b> 0.0					<b>Total</b> 31.0					0.0	56	0	0	1	2	0	0			

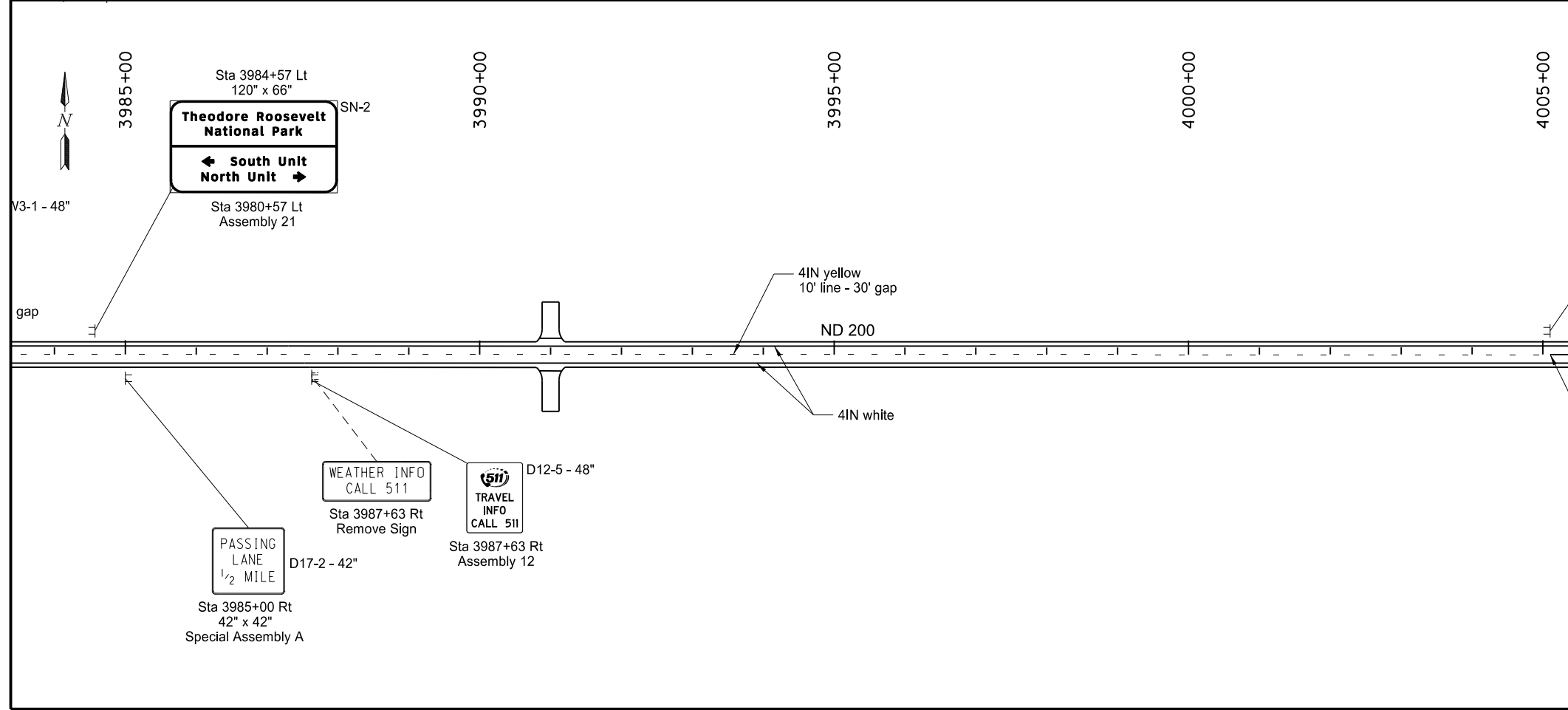
Basis of Estimate  
Sign Support Lengths  
The sign support lengths have been calculated using the following vertical clearances:  
Rural Roadway - 60"

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	5



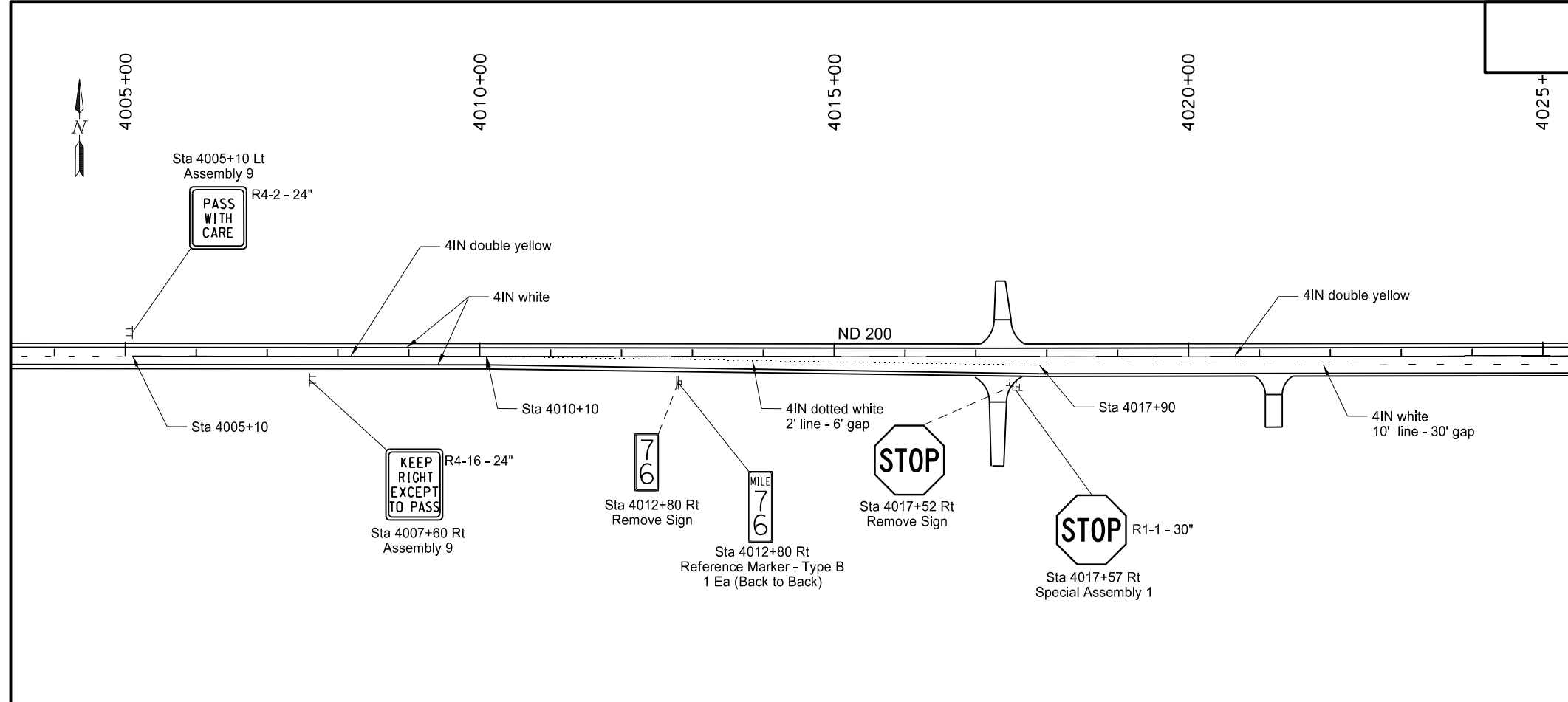
Relocate Flashing Beacon - Post Mounted  
Sta 3965+53 Lt 1 EA



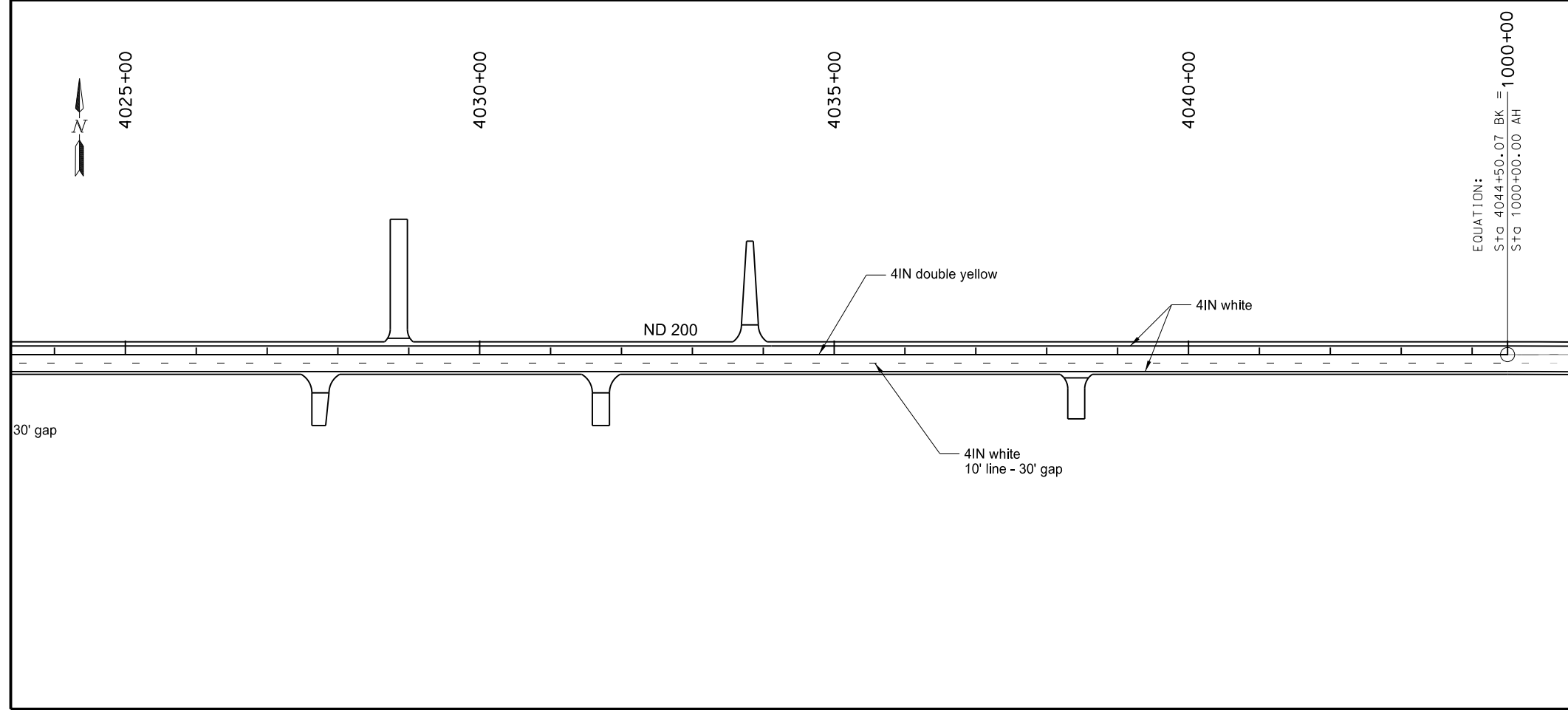
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ND Hwy 200  
McKenzie County  
Sign Layout/Pavement Marking Layout  
Sta 3965+00 to 4005+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	6



754-0562 Reference Marker - Type B  
 Sta 4012+80 Rt 1 EA

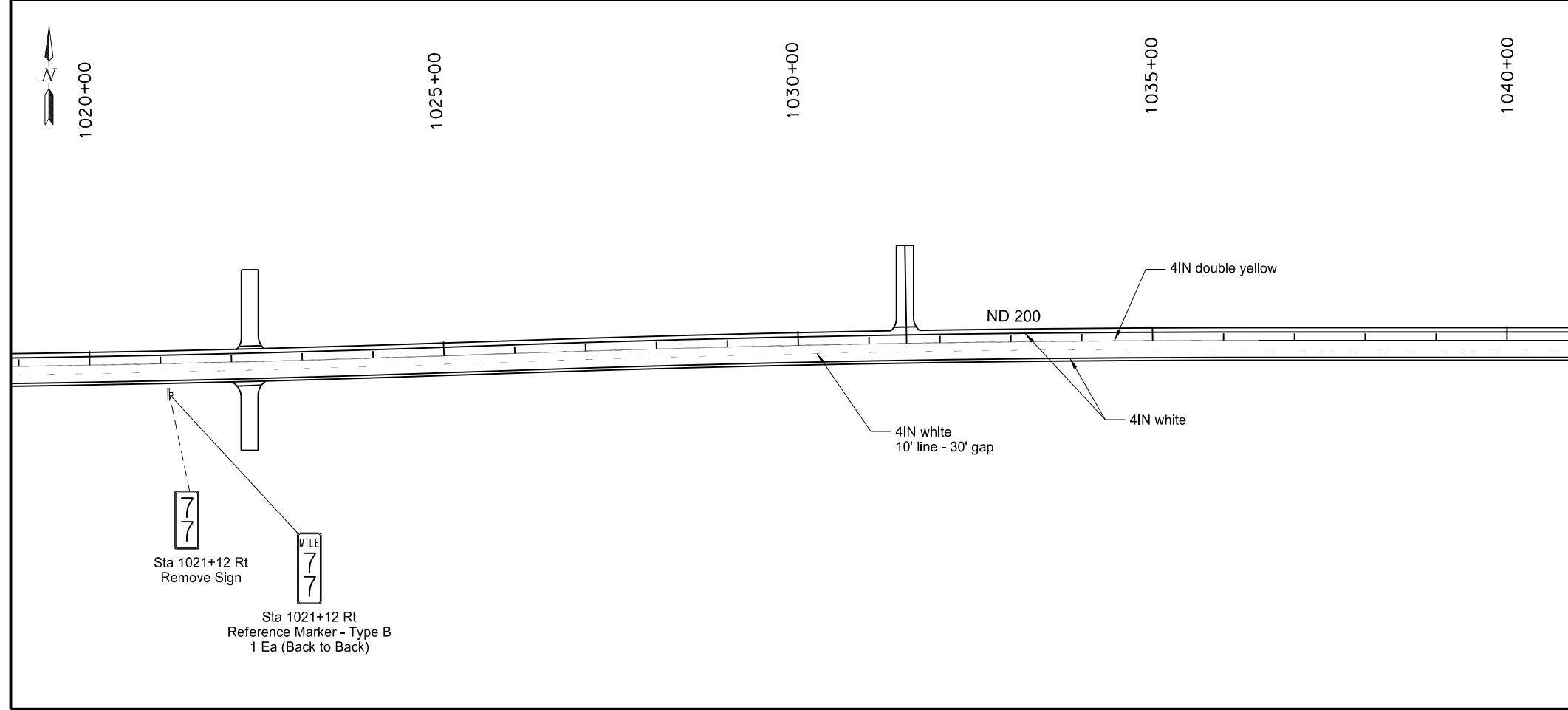
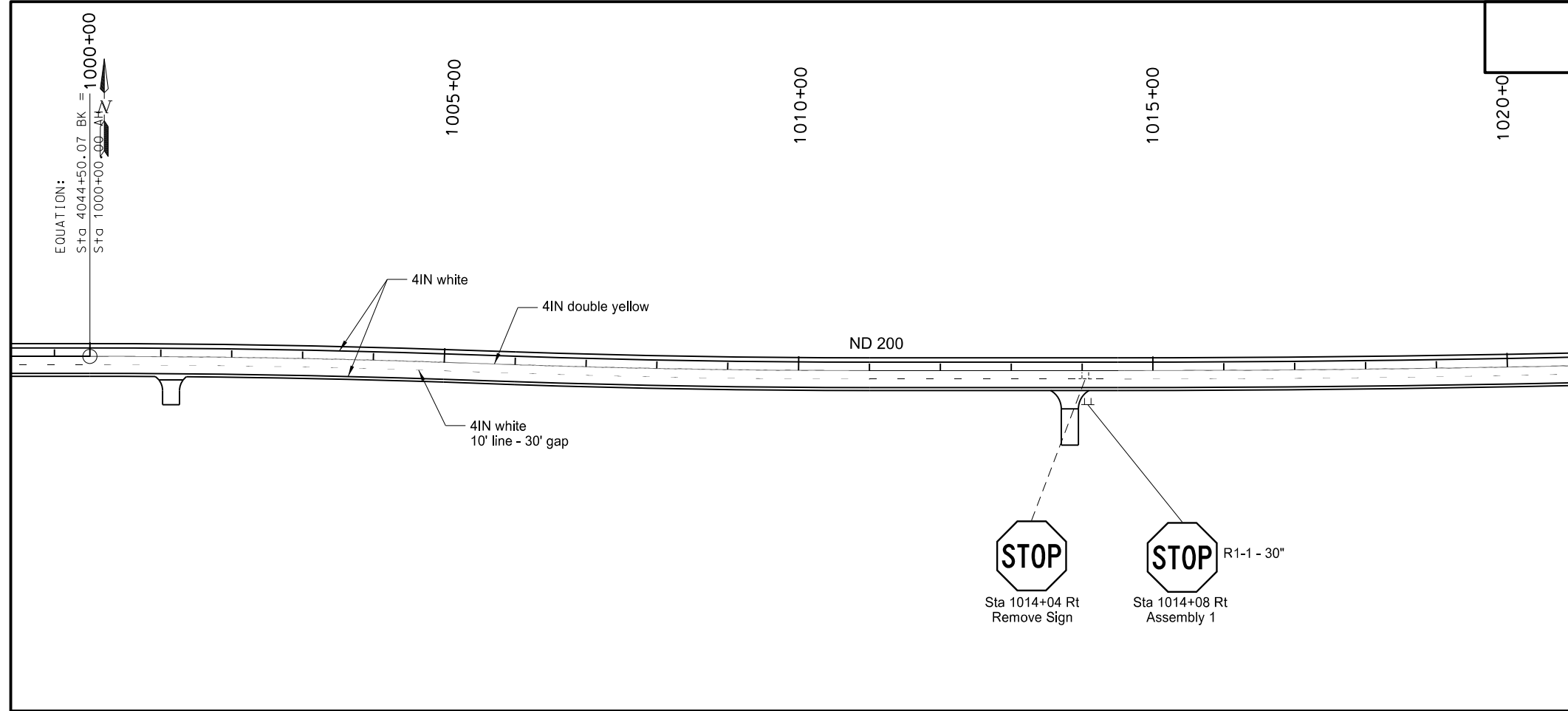


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ND Hwy 200  
 McKenzie County  
 Sign Layout/Pavement Marking Layout  
 Sta 4005+00 to 4045+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	7

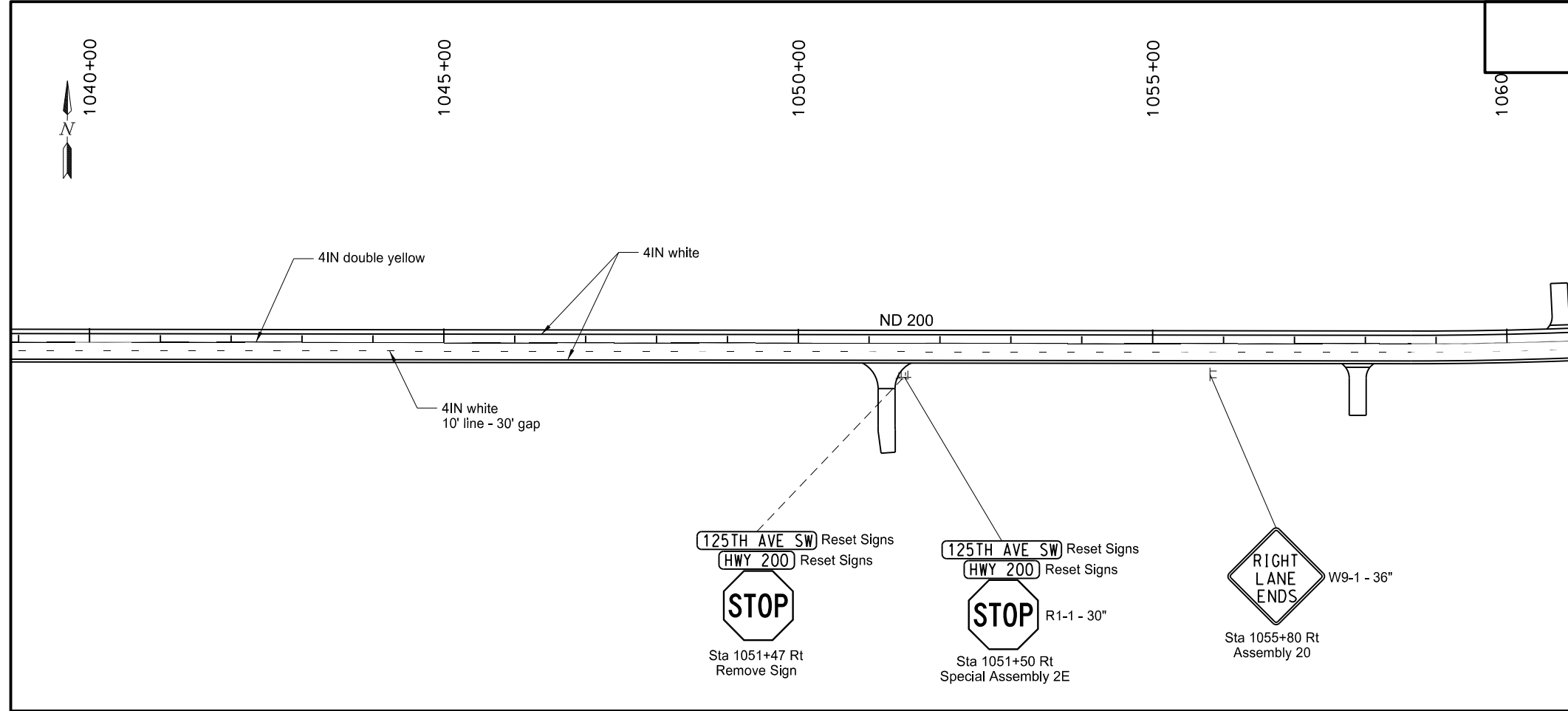
754-0562 Reference Marker - Type B  
 Sta 1021+12 Rt 1 EA



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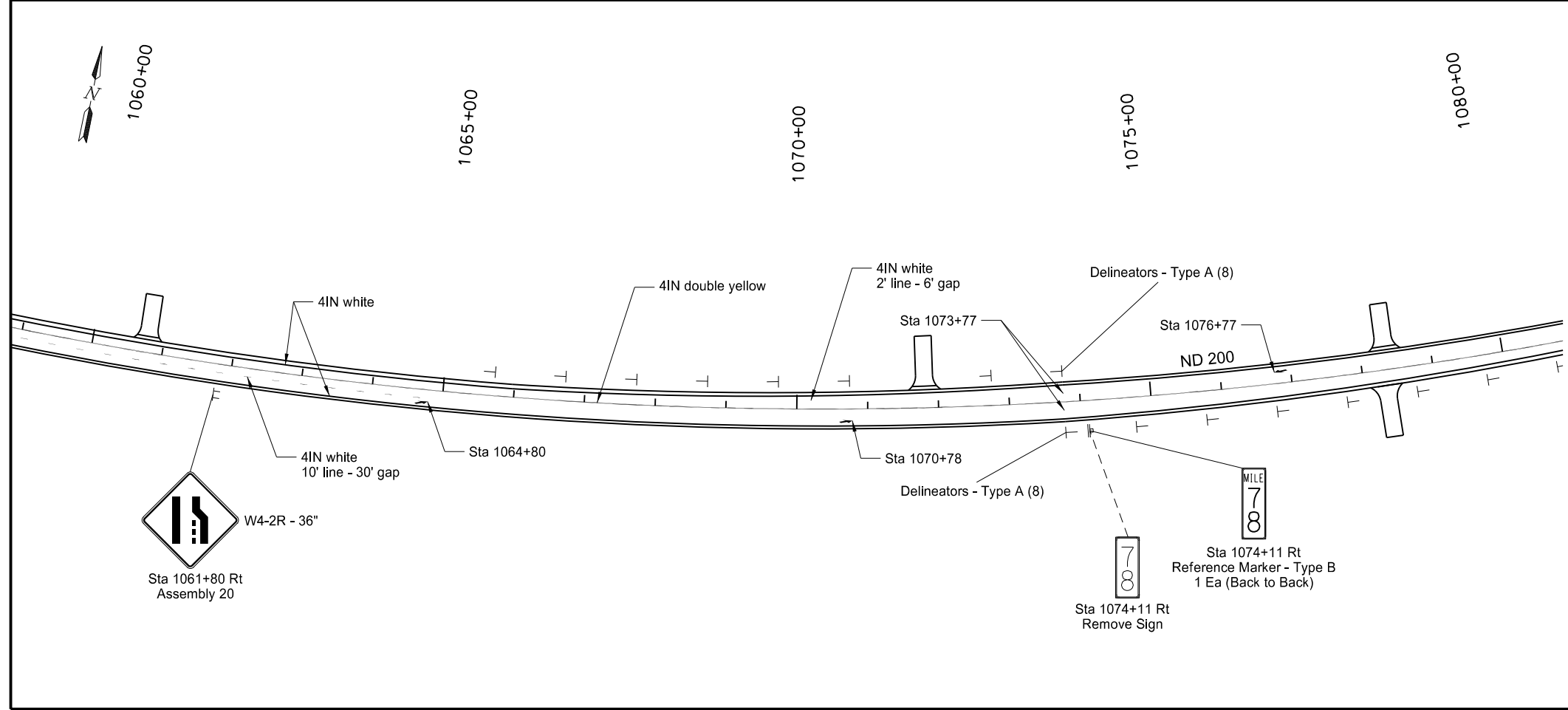
ND Hwy 200  
 McKenzie County  
 Sign Layout/Pavement Marking Layout  
 Sta1000+00 to 1040+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	8



754-0562 Reference Marker - Type B  
Sta 1074+11 Rt 1 EA

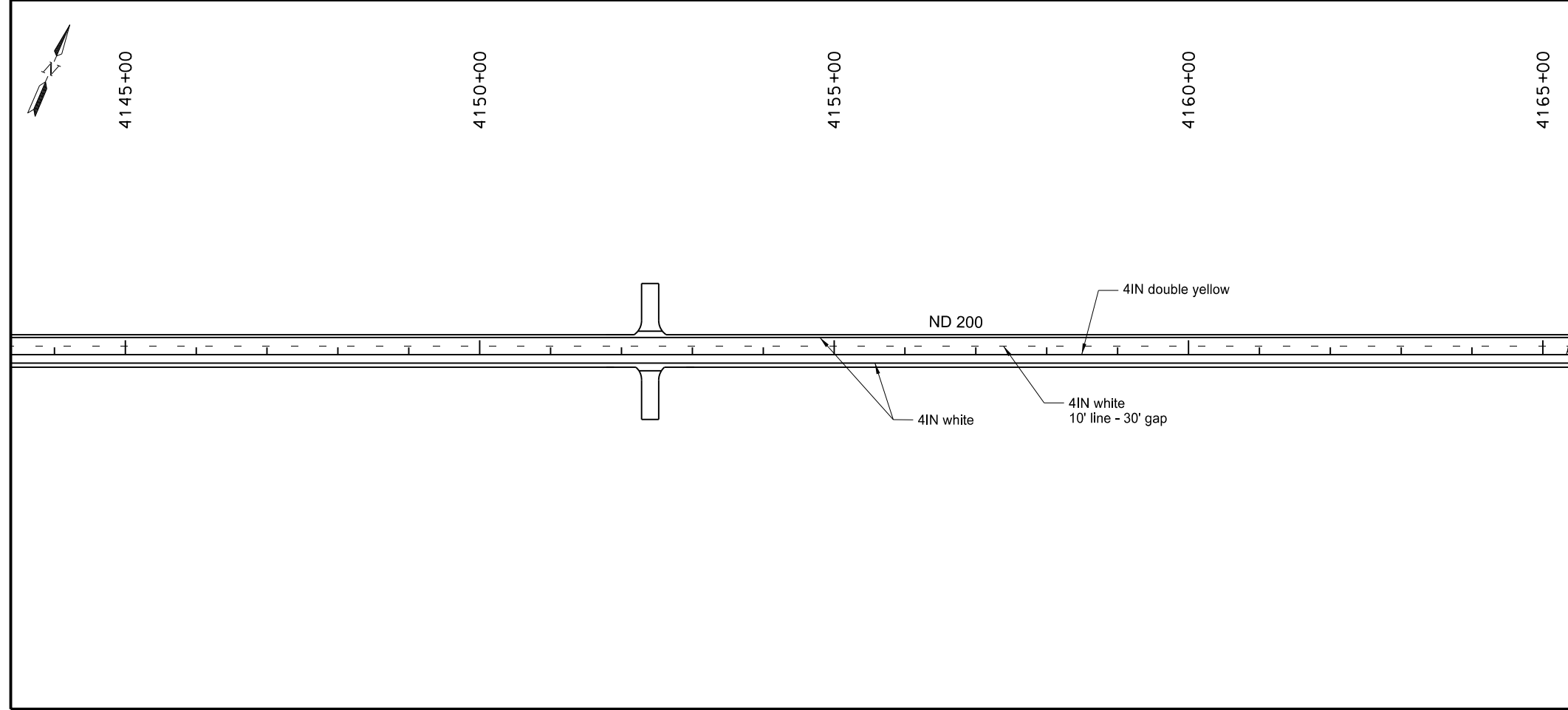
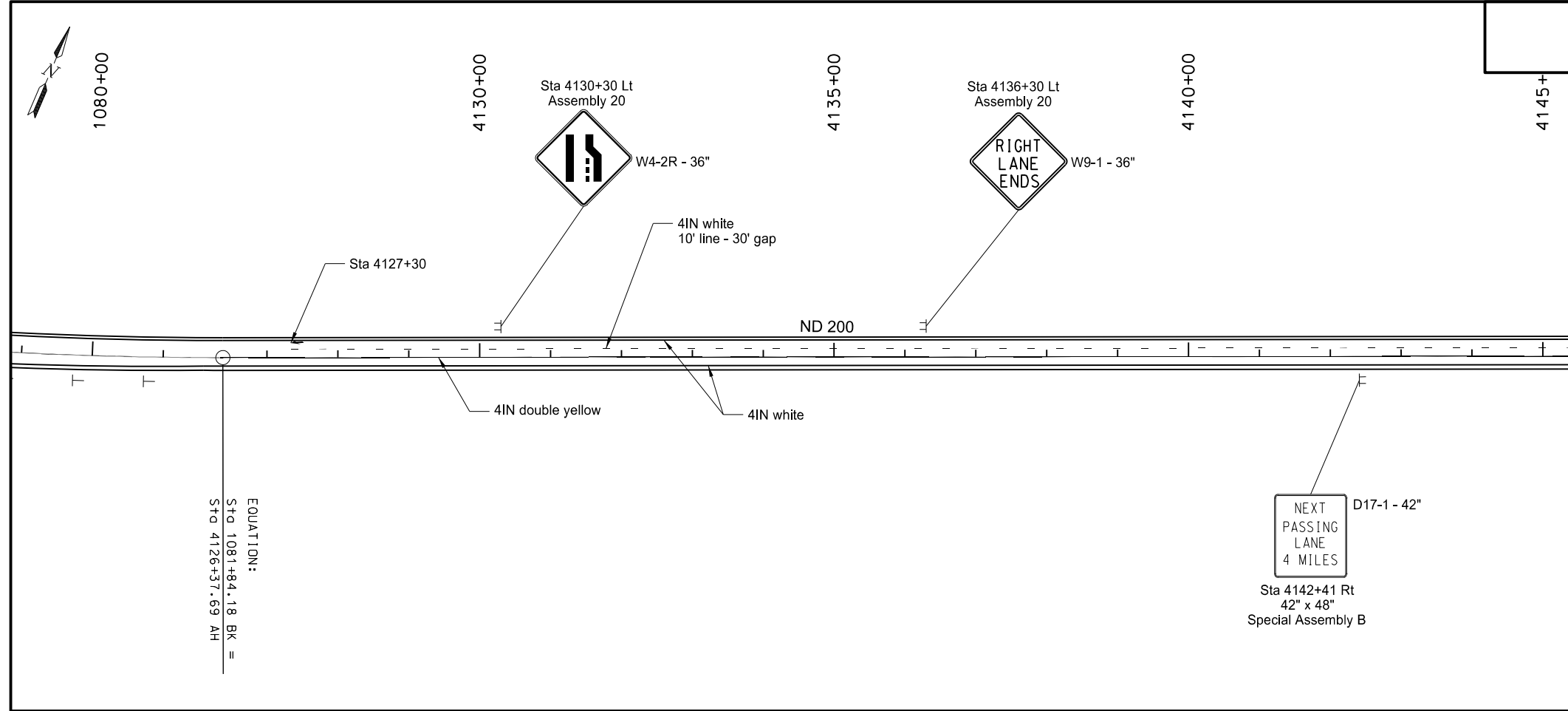
754-0150 Delineators - Type A  
Sta 1056+72 - 1073+77 Lt 8 EA  
Sta 1073+77 - 1080+73 Rt 8 EA



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ND Hwy 200  
McKenzie County  
Sign Layout/Pavement Marking Layout  
Sta 1040+00 to 1080+00

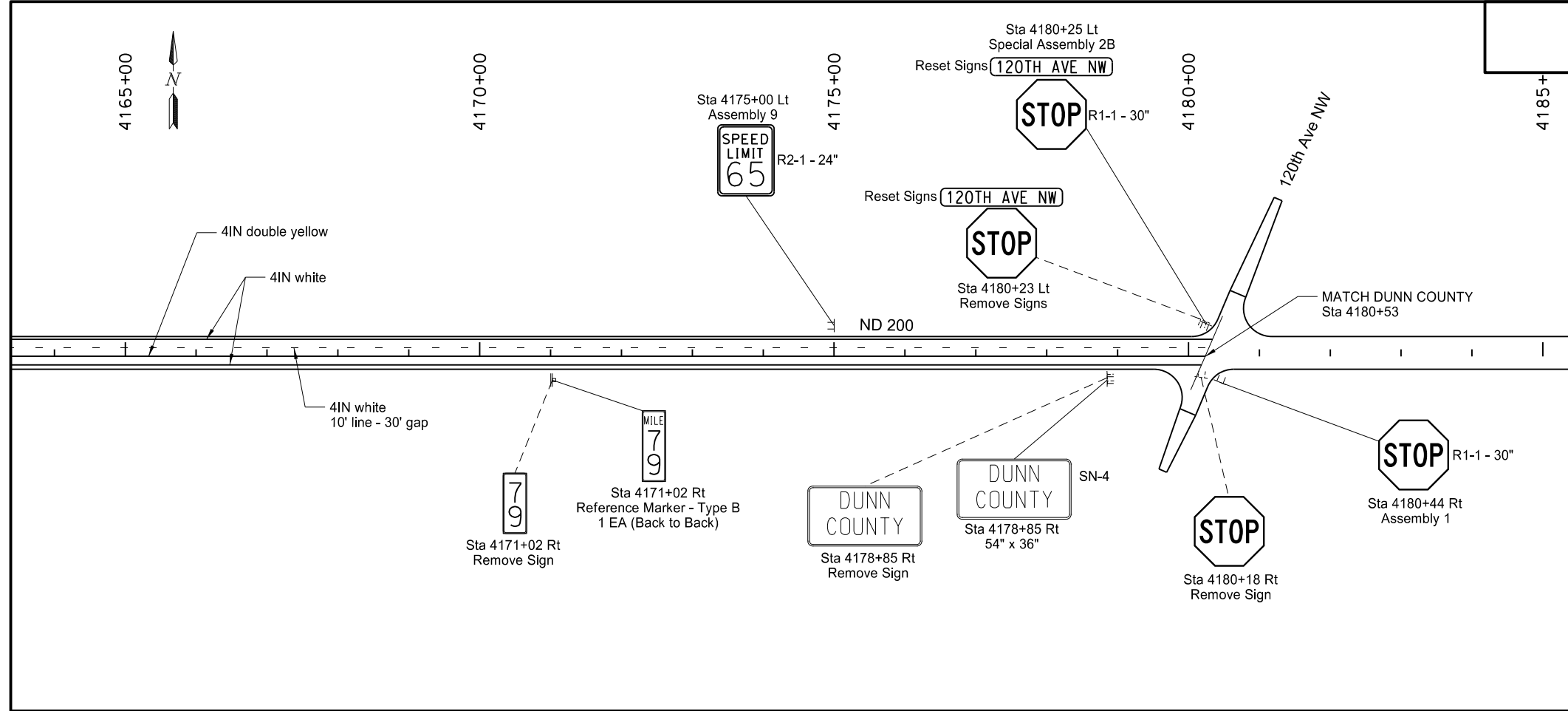
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	9



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ND Hwy 200  
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 Sign Layout/Pavement Marking Layout  
 Sta 1080+00 to 4165+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	10



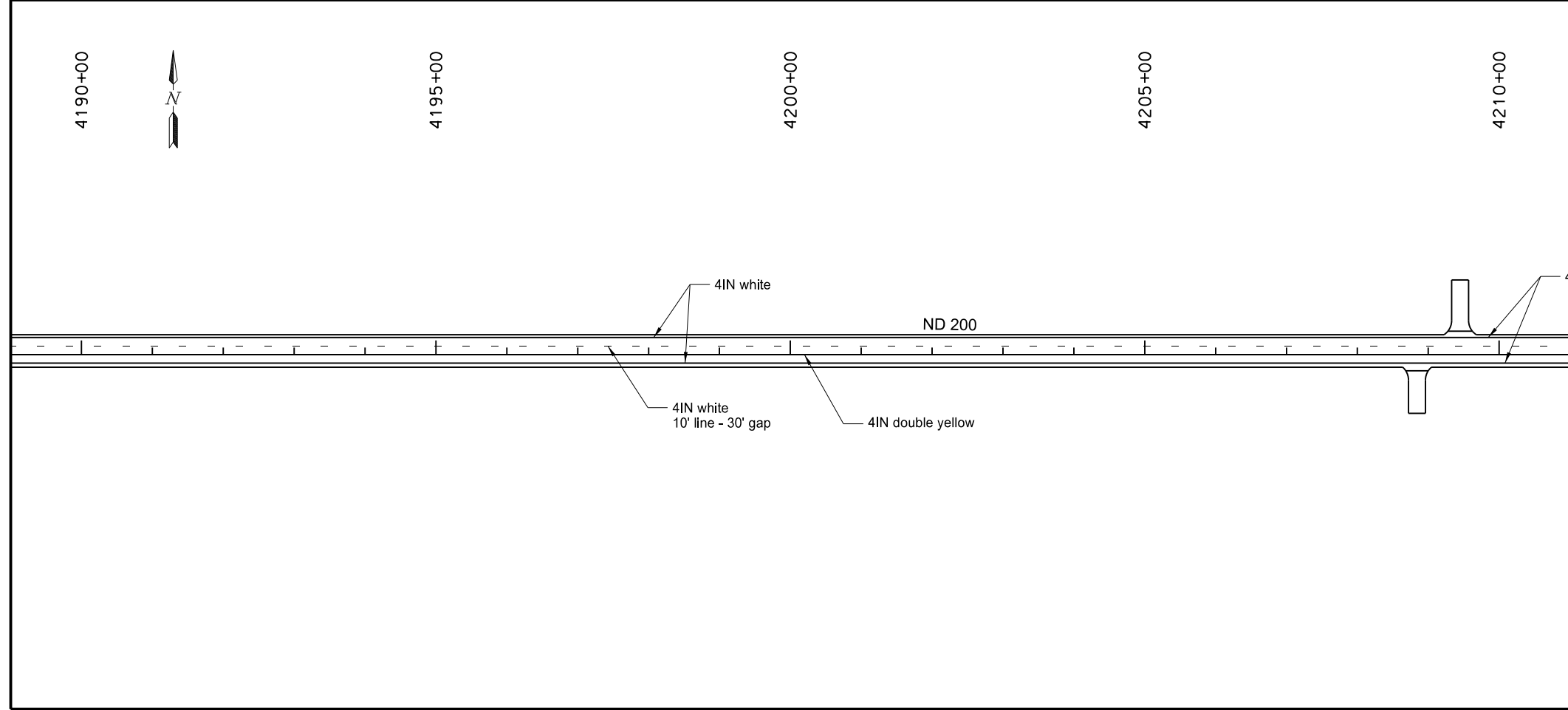
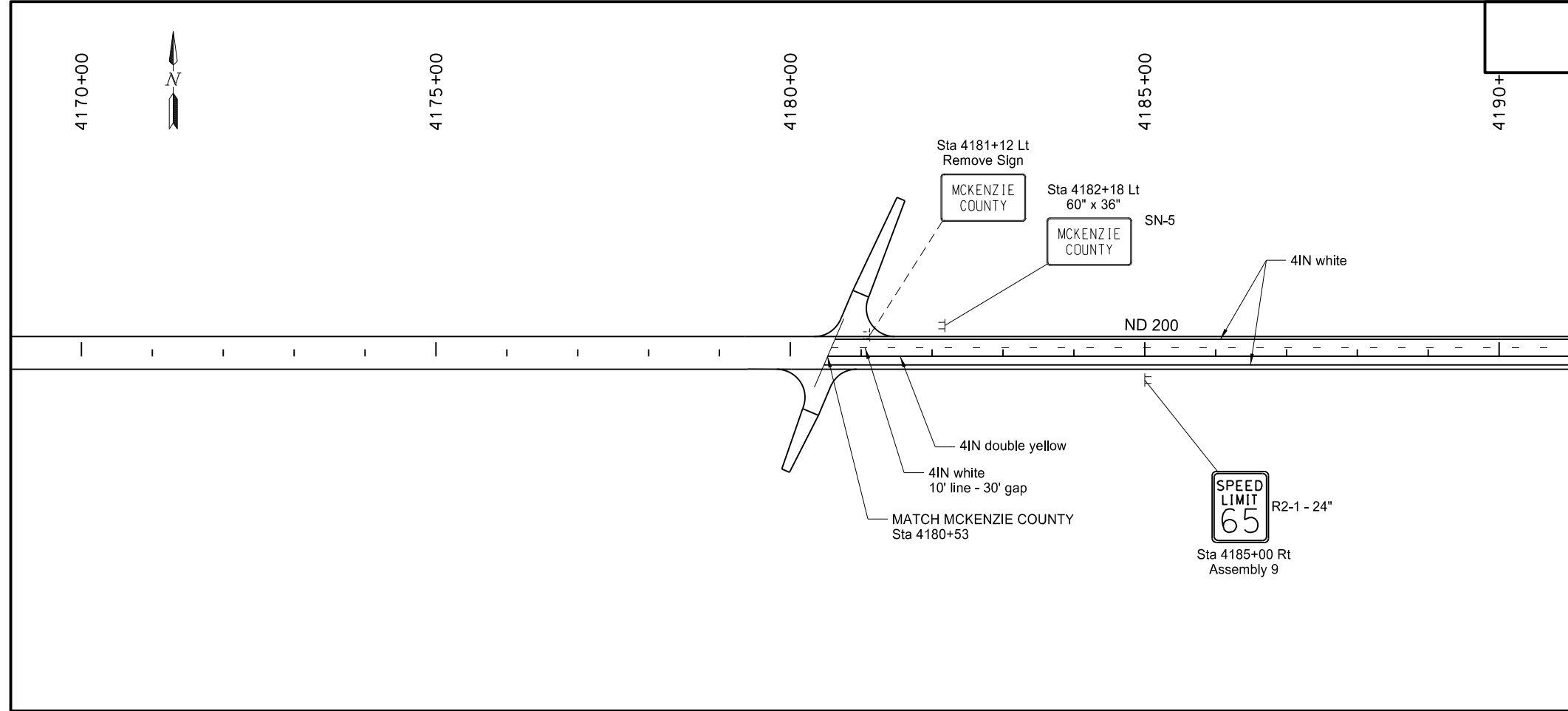
754-0562 Reference Marker - Type B  
 Sta 4171+02 Rt 1 EA

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 Sta 4165+00 to 4185+00



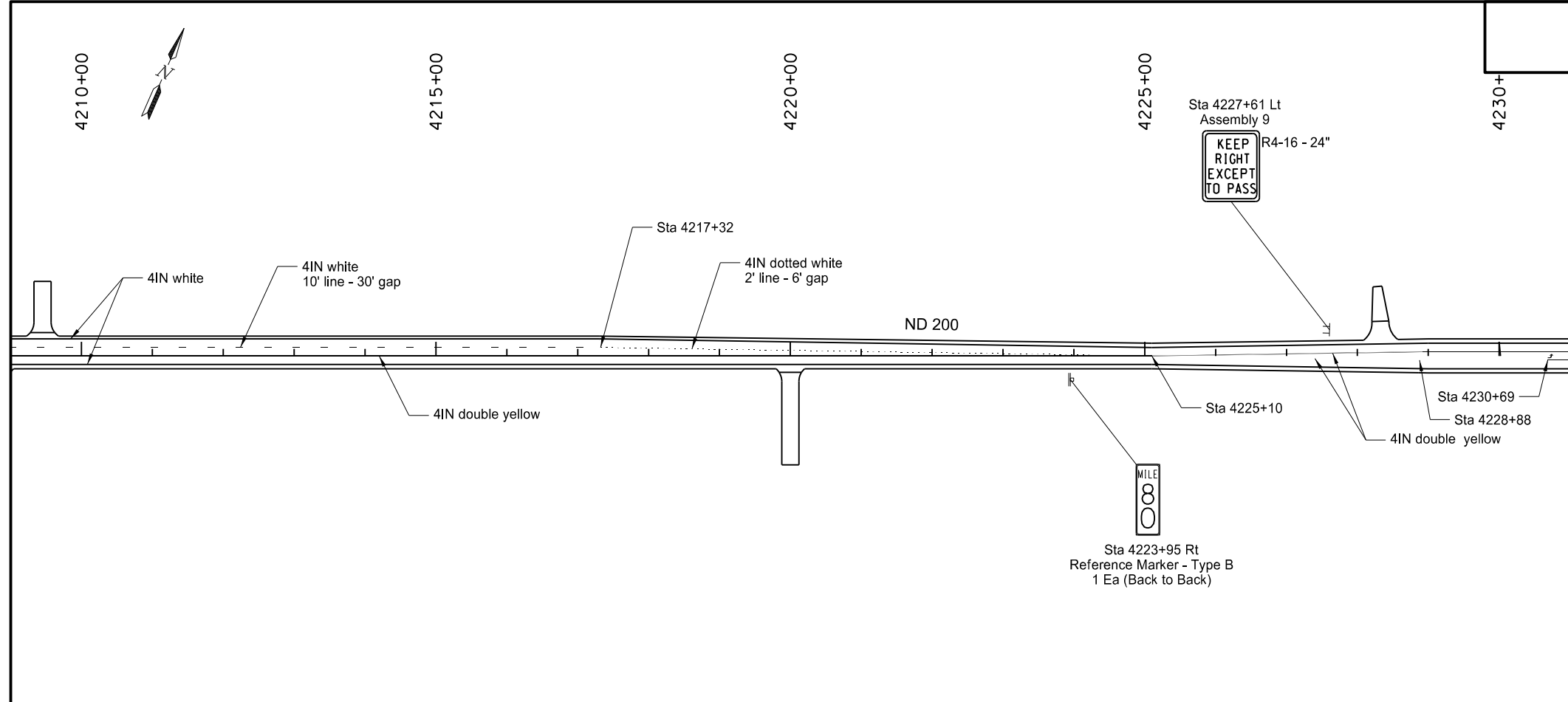
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	11



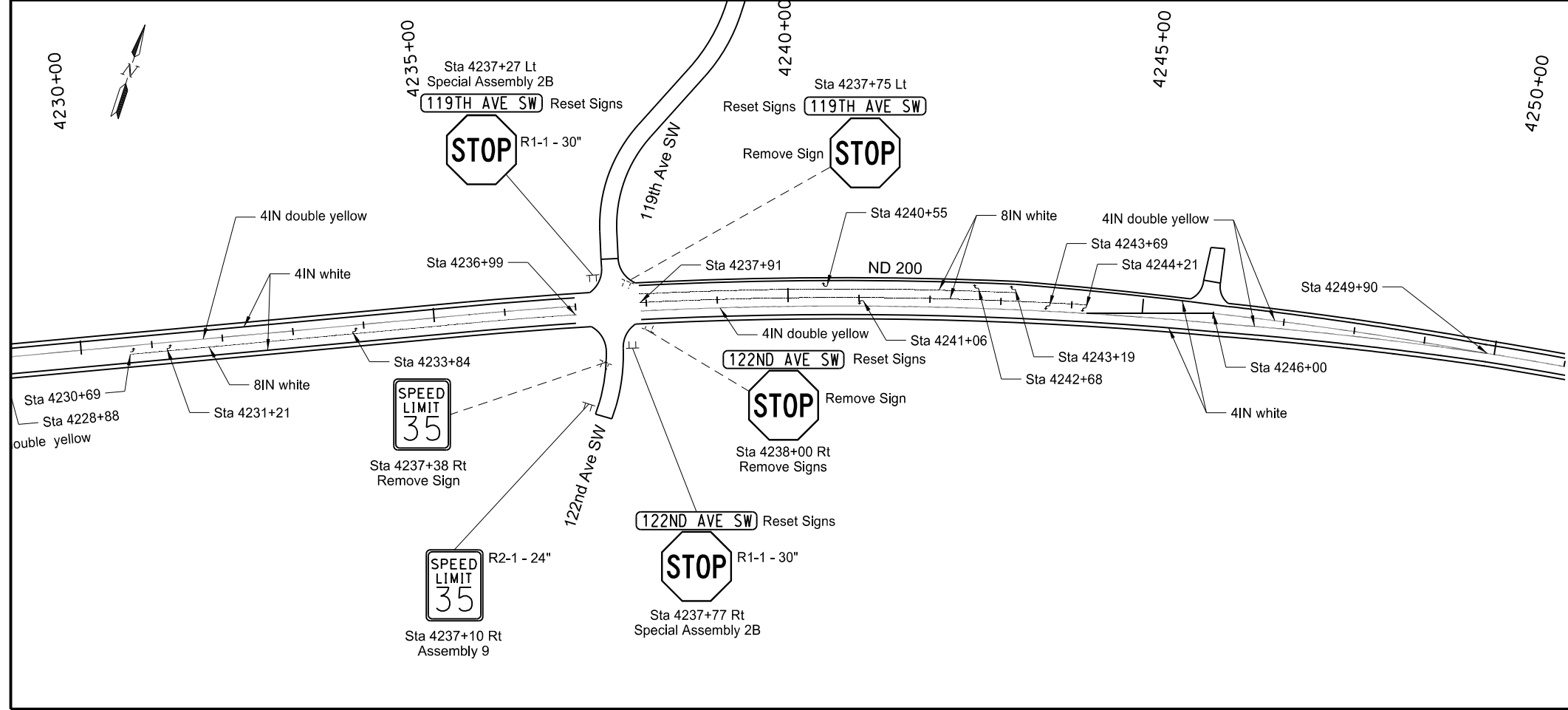
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ND Hwy 200  
 Dunn County  
 Sign Layout/ Pavement Marking Layout  
 Sta 4170+00 to 4210+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	12



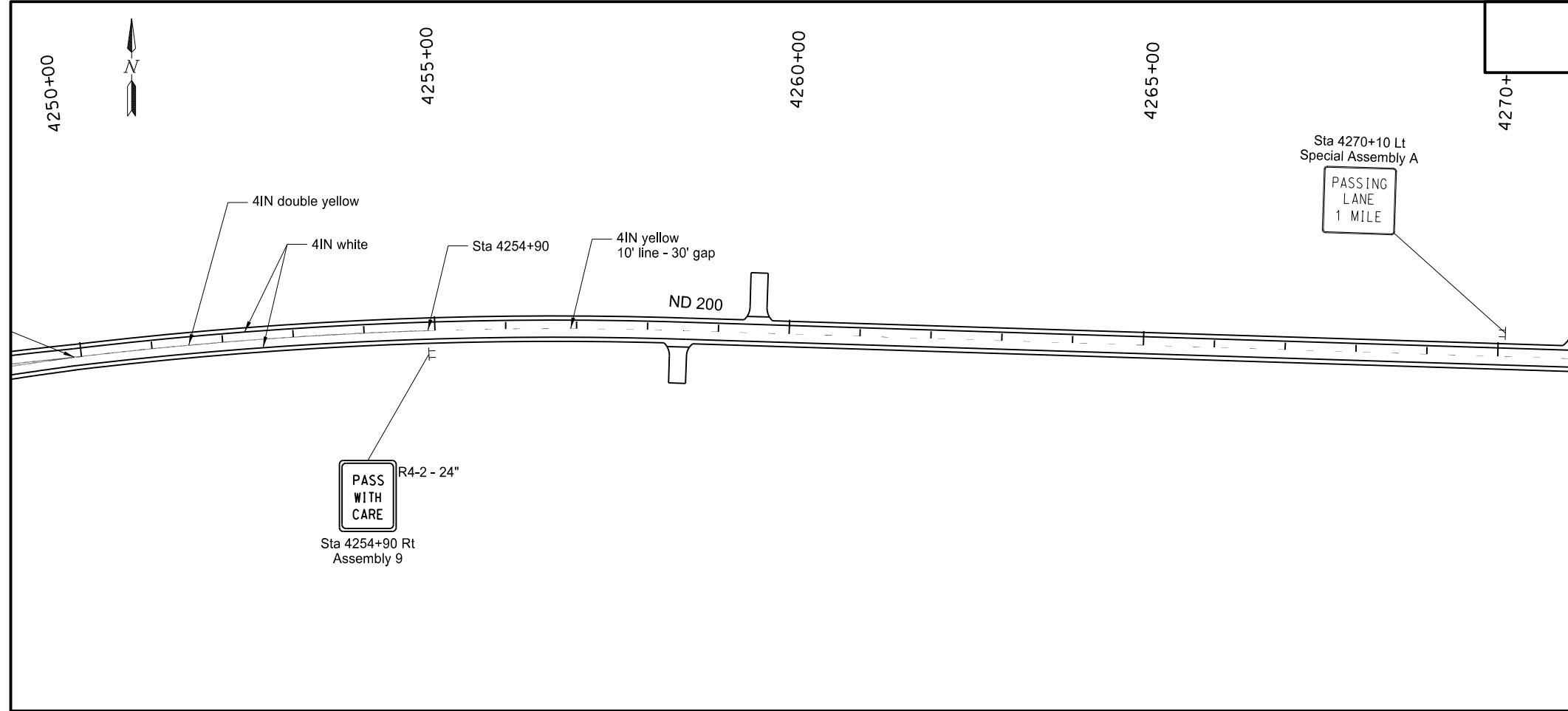
754-0562 Reference Marker - Type B  
 Sta 4223+95 Rt 1 EA



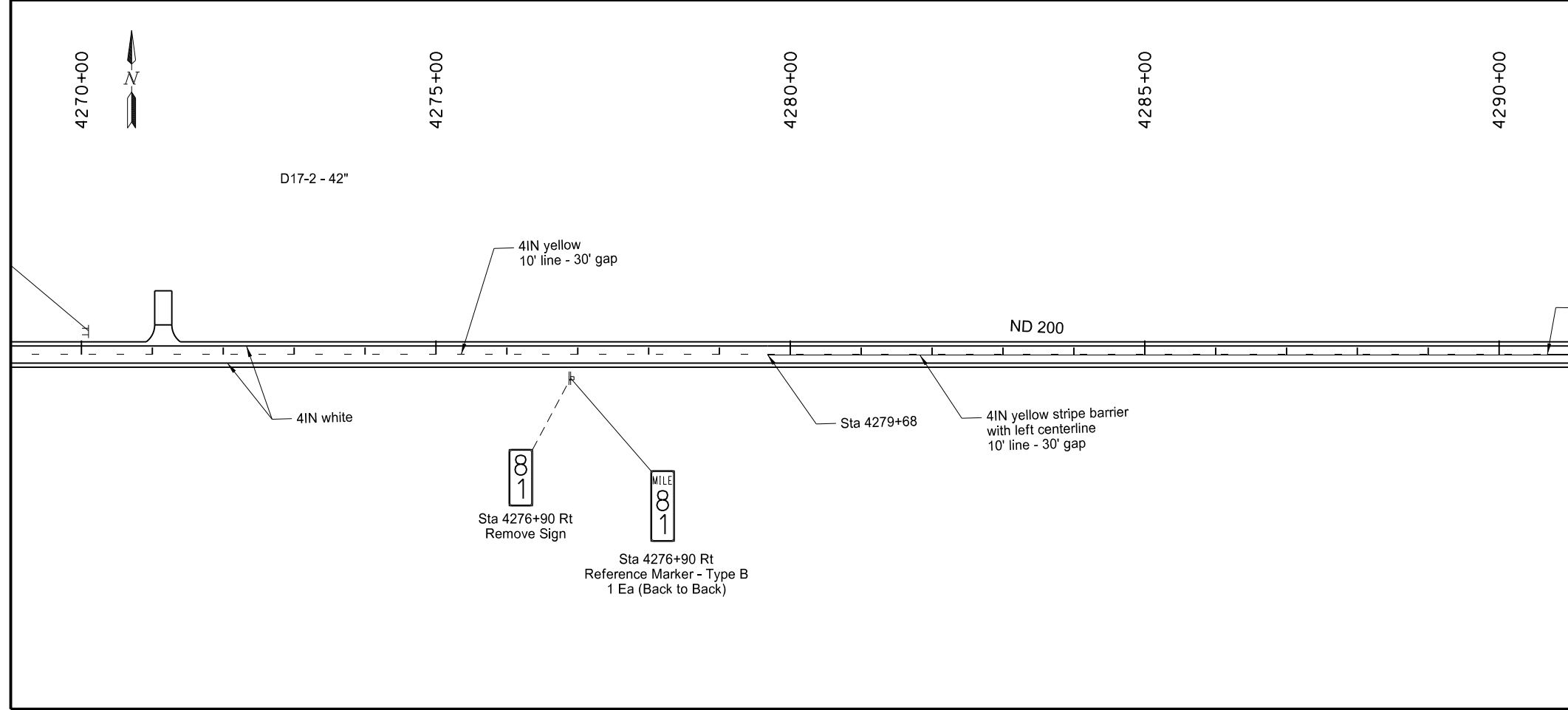
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ND Hwy 200  
 Dunn County  
 Sign Layout/Pavement Marking Layout  
 Sta 4210+00 to 4250+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	13



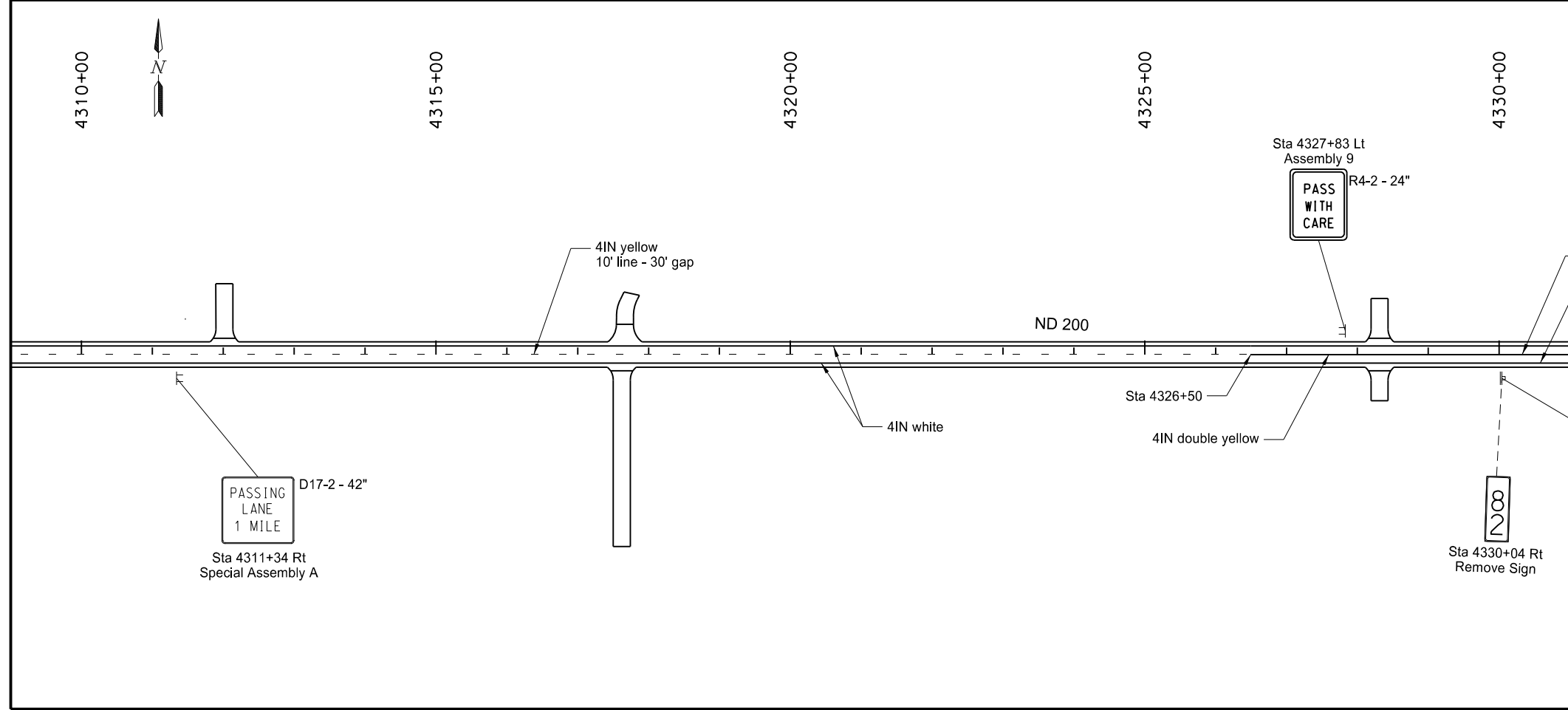
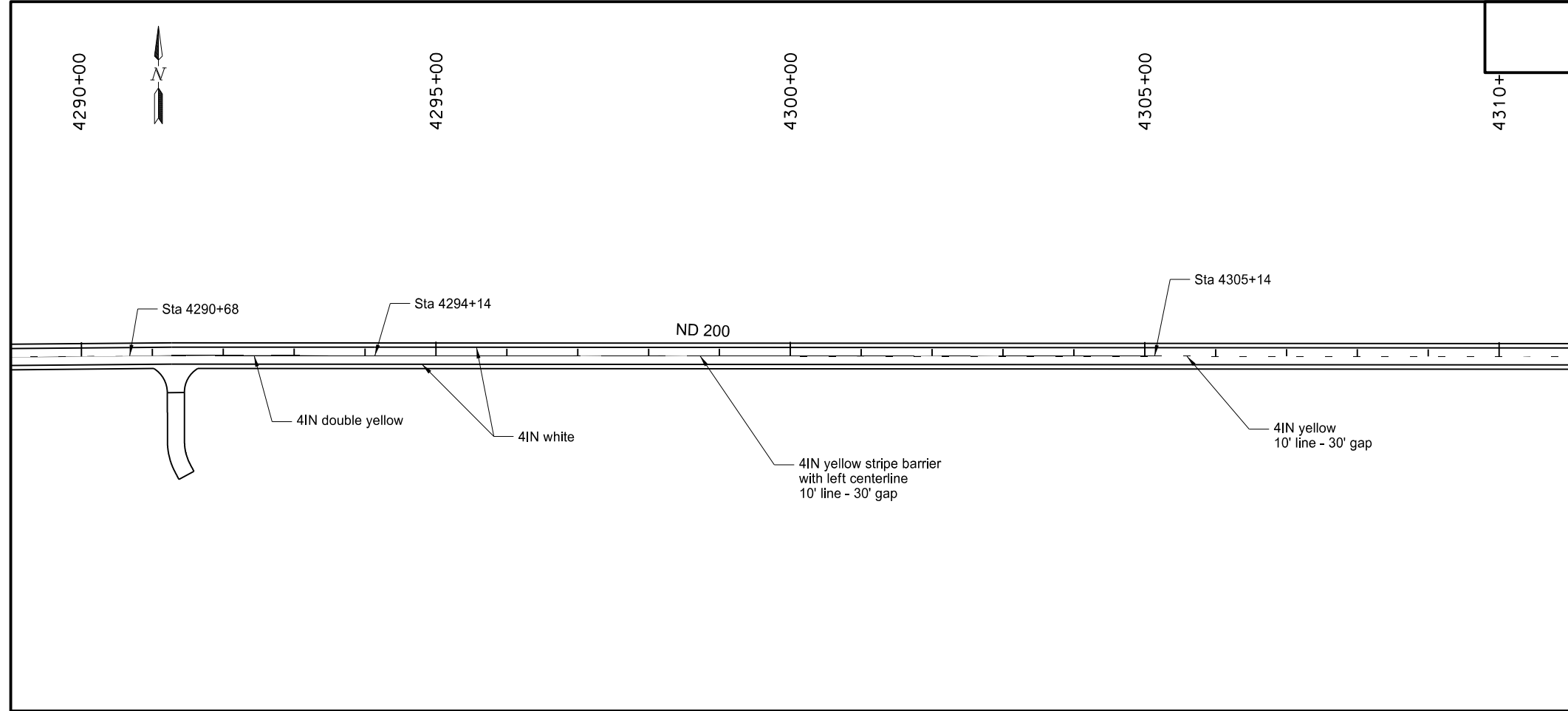
754-0562 Reference Marker - Type B  
 Sta 4276+90 Rt 1 EA



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 Sta 4250+00 to 4290+00

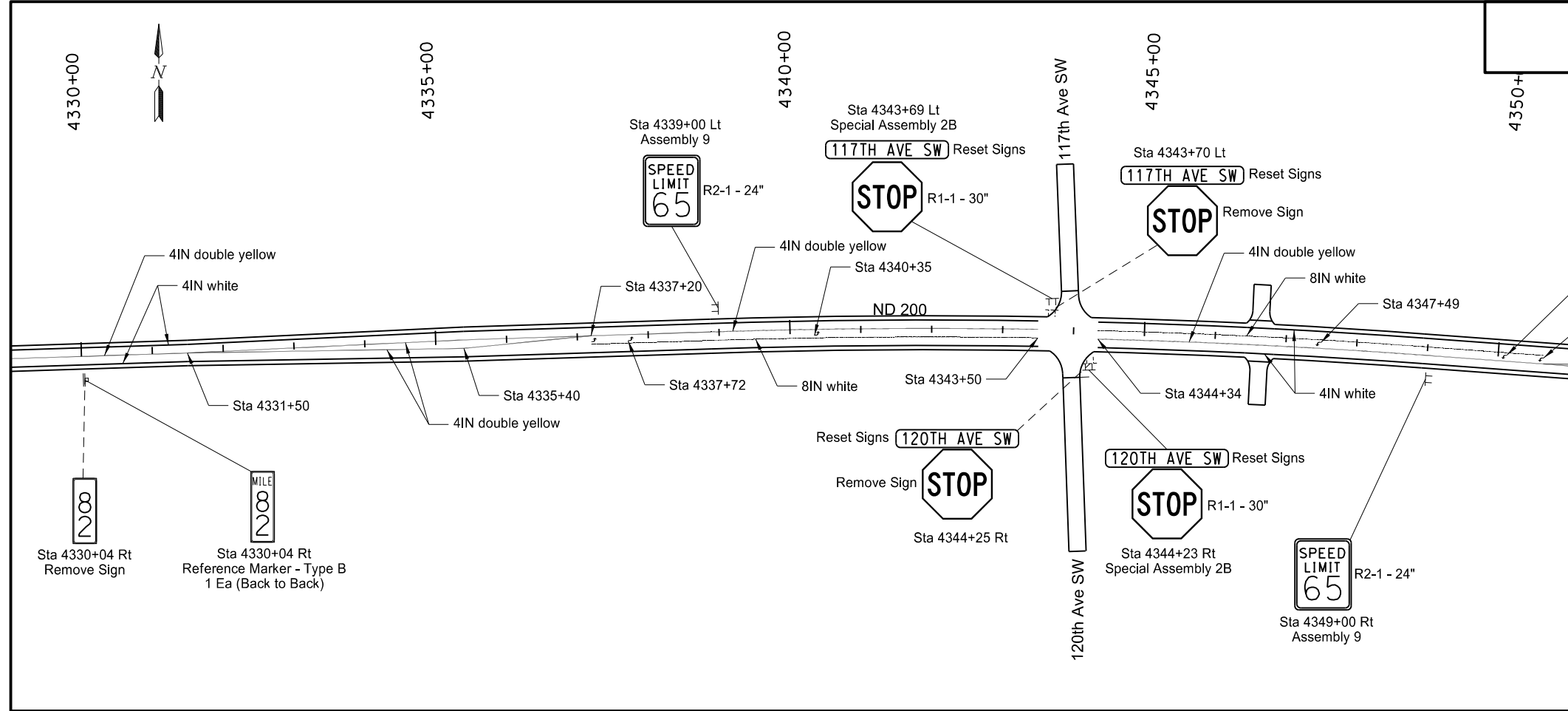
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	14



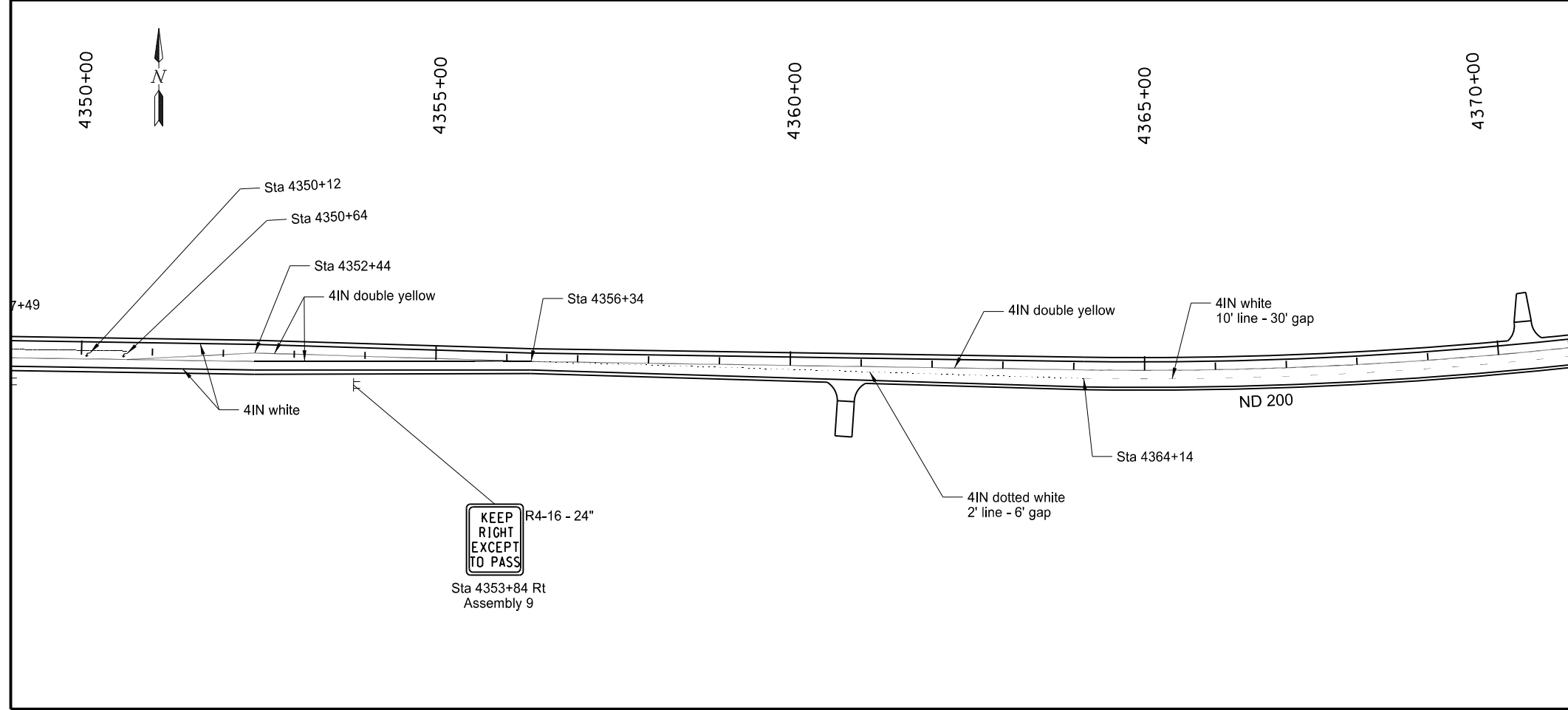
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 Sta 4290+00 to 4330+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	15



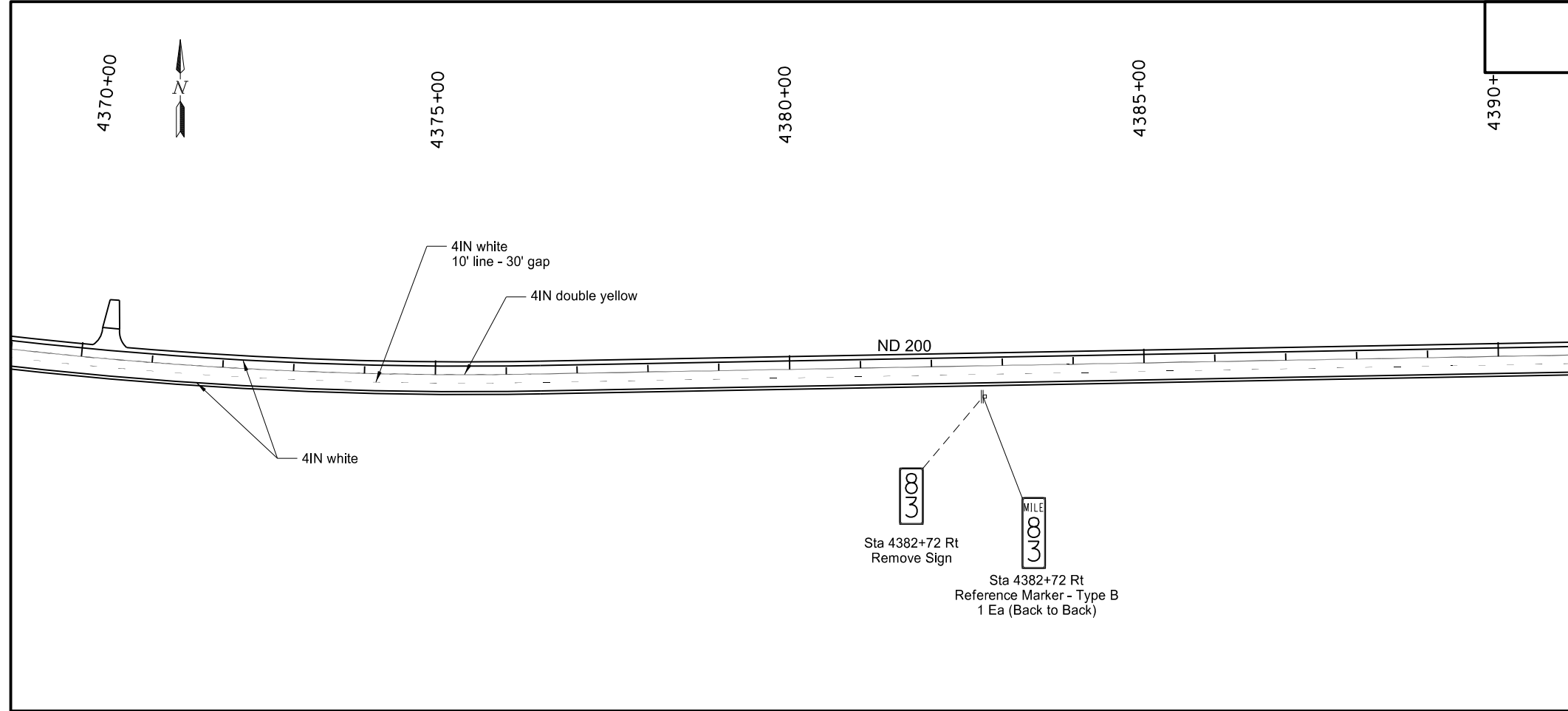
754-0562 Reference Marker - Type B  
Sta 4330+04 Rt 1 EA



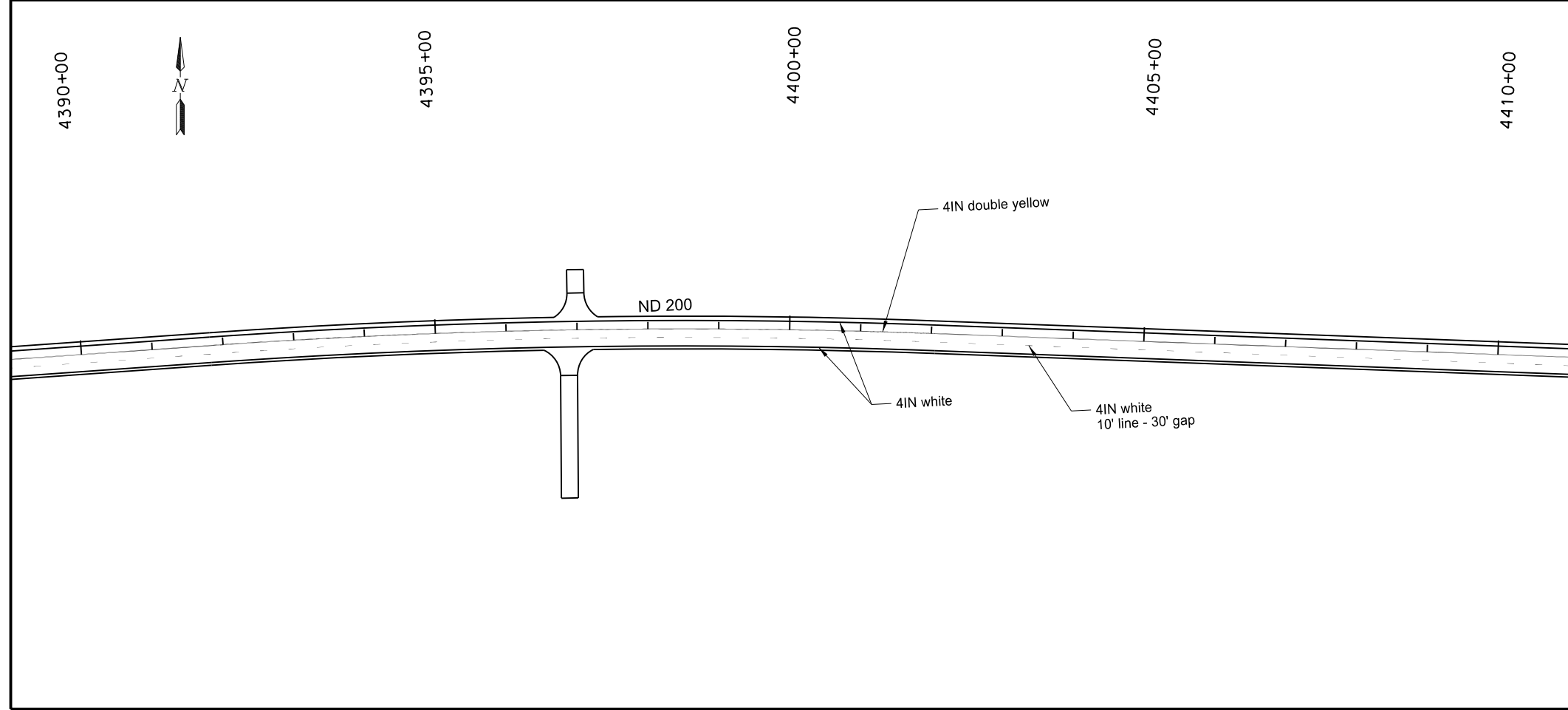
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Sta 4330+00 to 4370+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	16



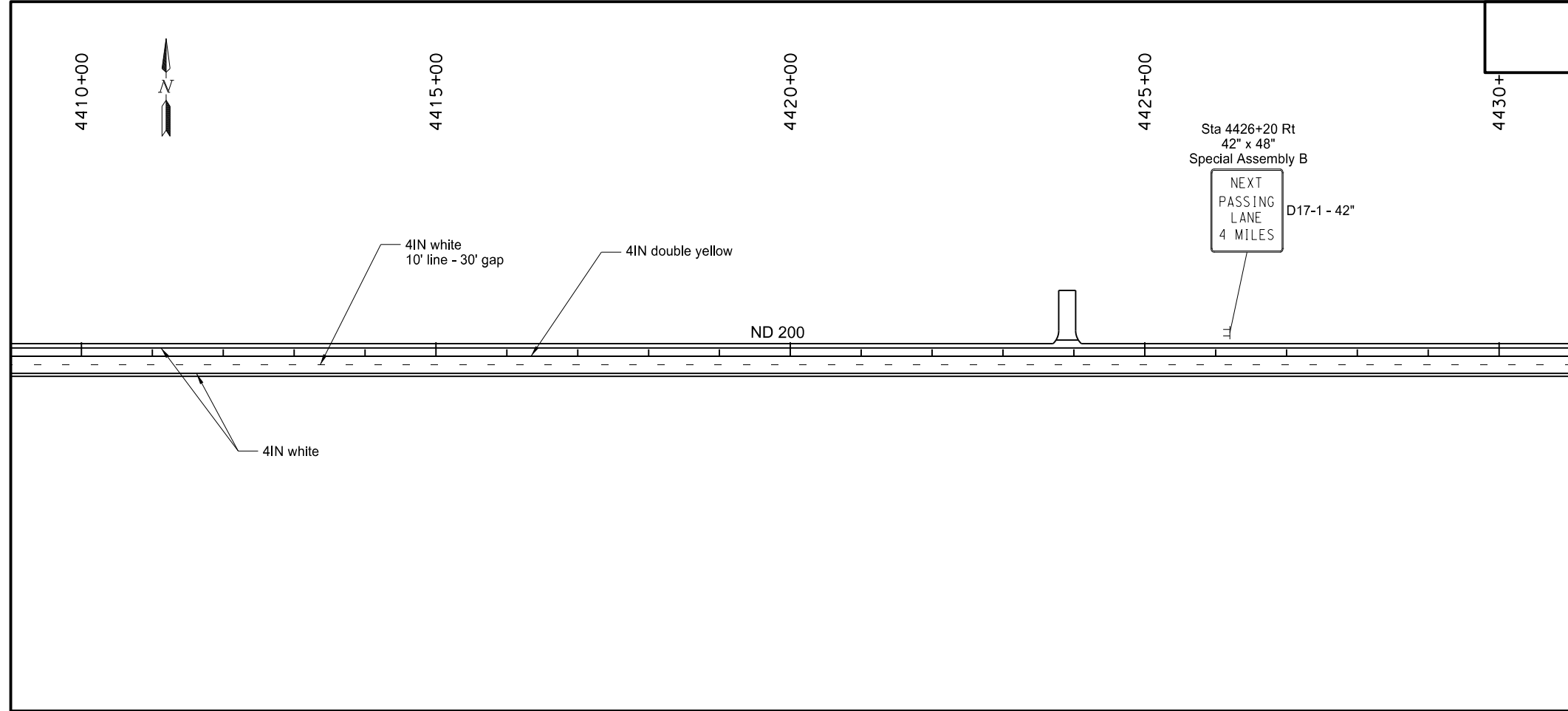
754-0562 Reference Marker - Type B  
 Sta 4382+72 Rt 1 EA



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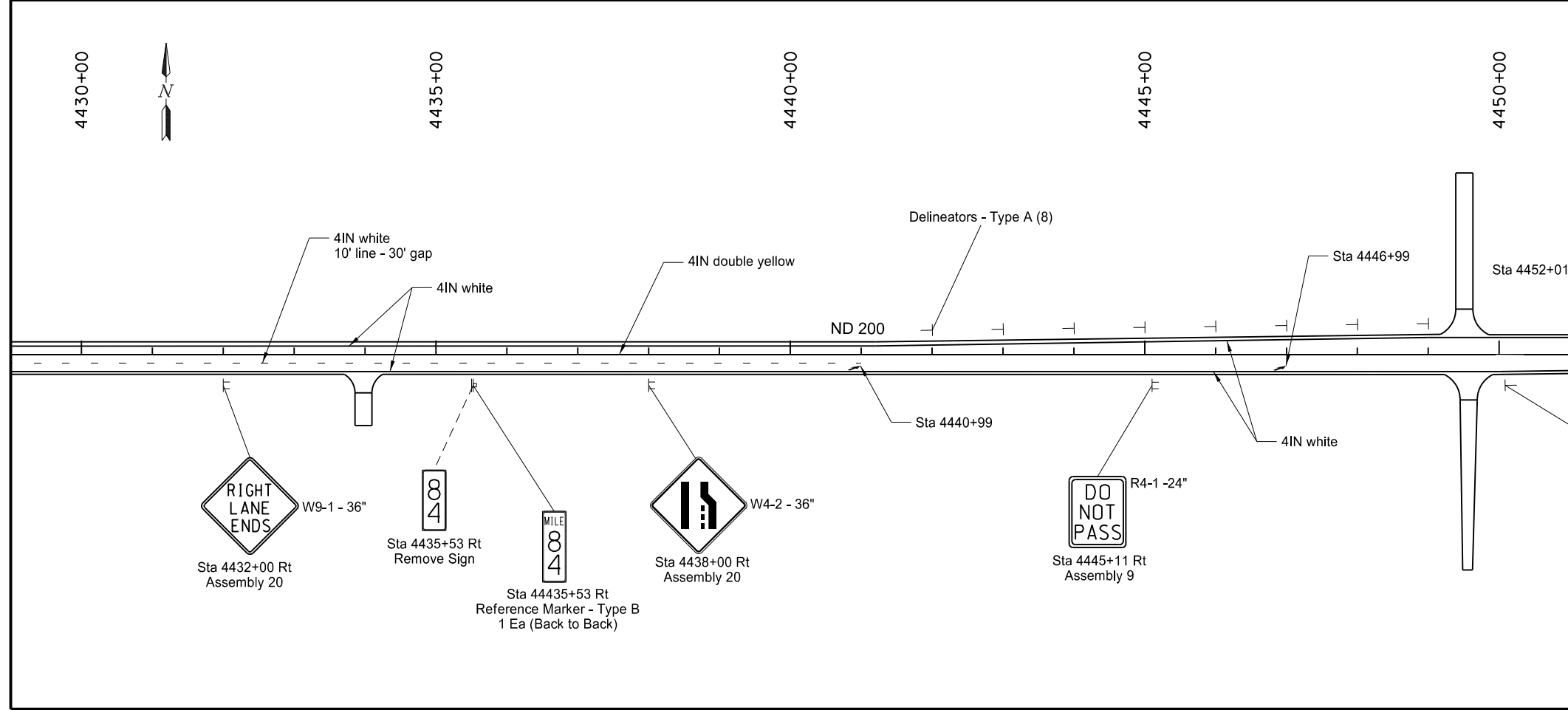
ND Hwy 200  
 Dunn County  
 Sign Layout/Pavement Marking Layout  
 Sta 4370+00 to 4410+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	17



754-0562 Reference Marker - Type B  
 Sta 4435+53 Rt 1 EA

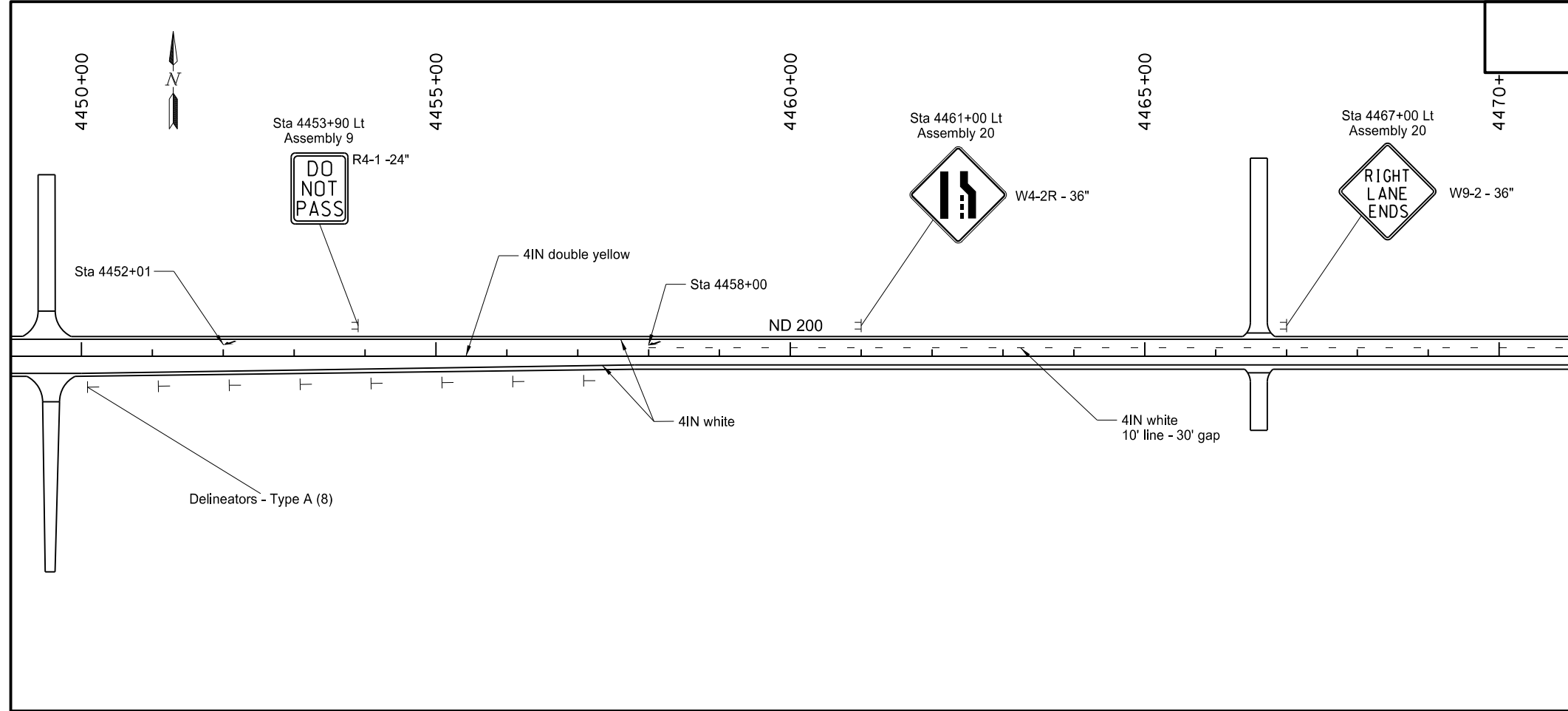
754-0150 Delineators - Type A  
 Sta 4442+00-4449+00 Lt 8 EA



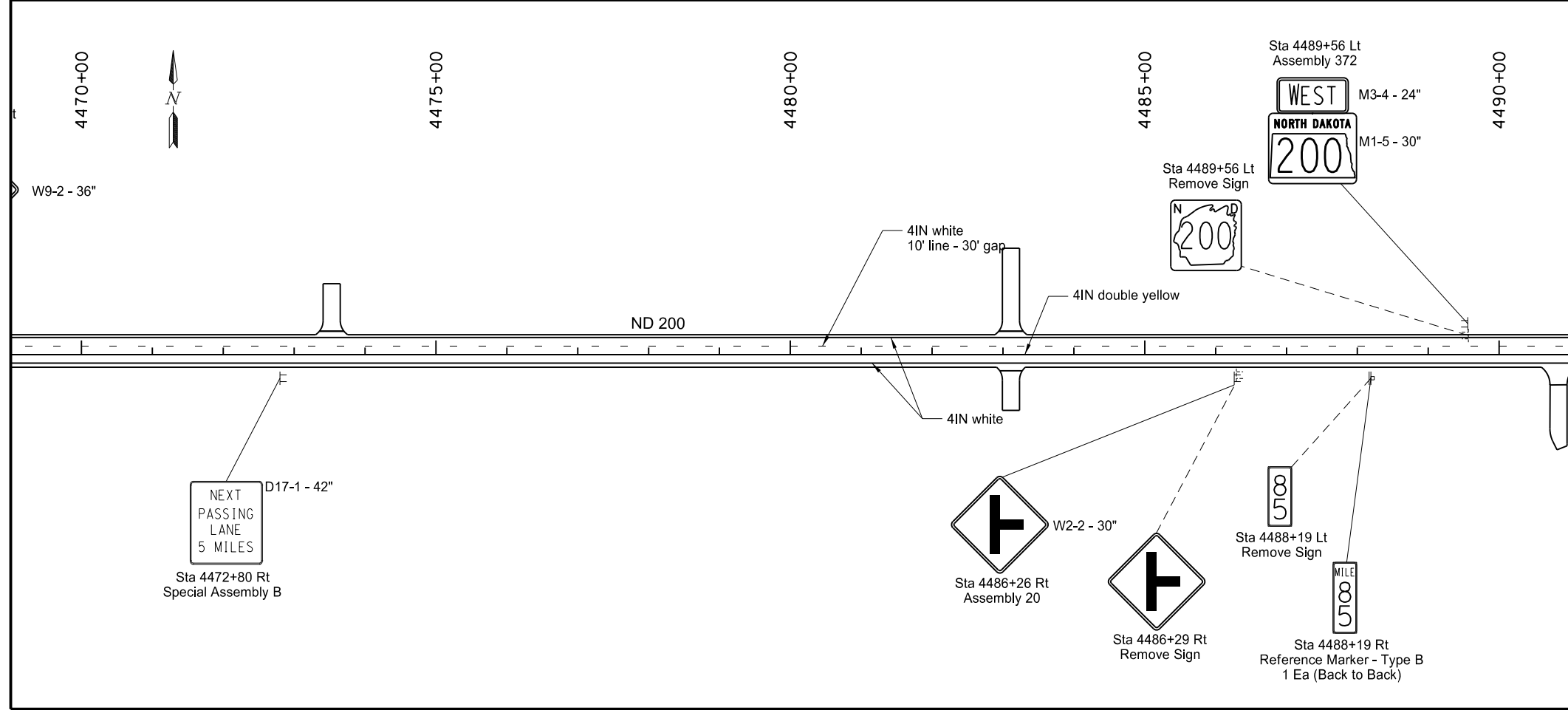
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 Dunn County  
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 Sta 4410+00 to 4450+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	18



- 754-0562 Reference Marker - Type B  
Sta 4488+19 Rt 1 EA
- 754-0150 Delineators - Type A  
Sta 4450+08-4457+08 Rt 8 EA

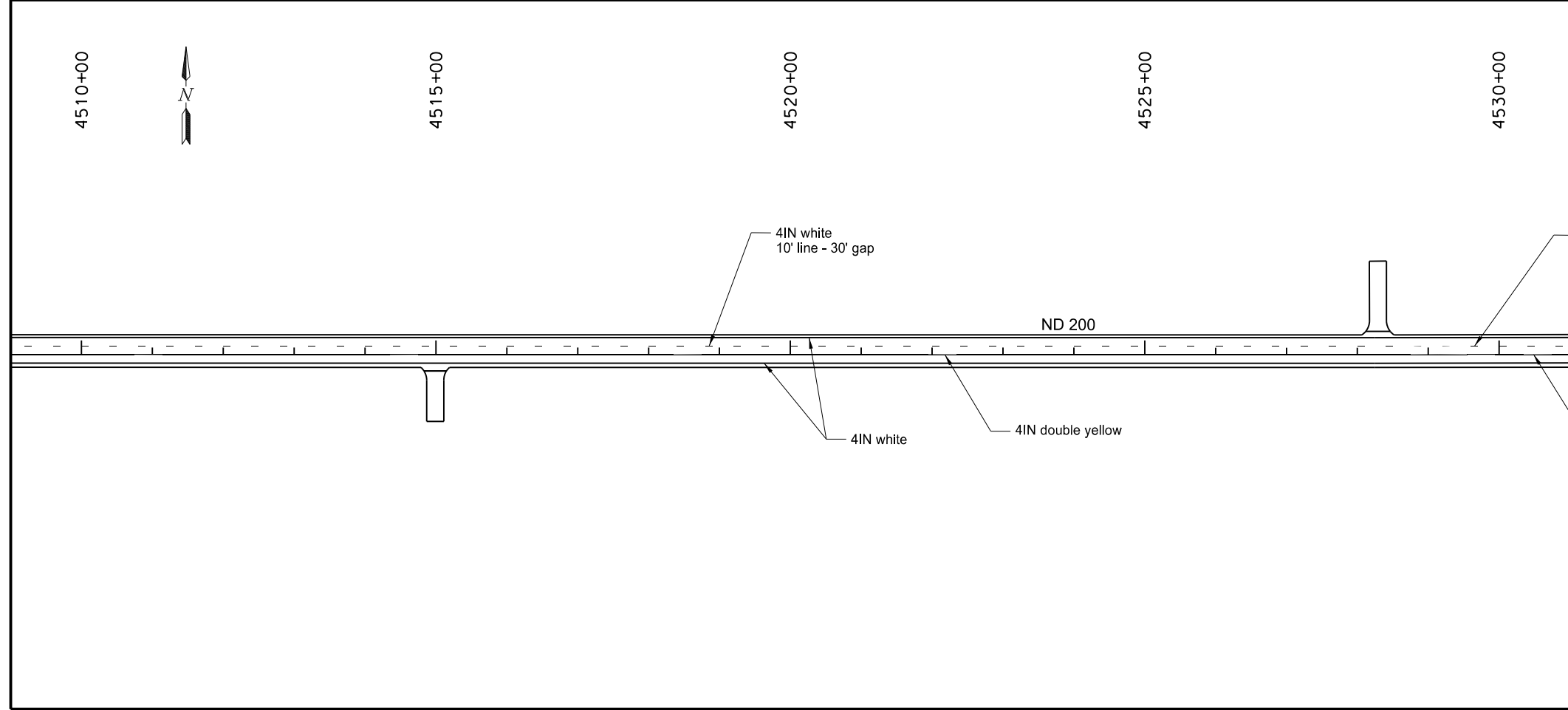
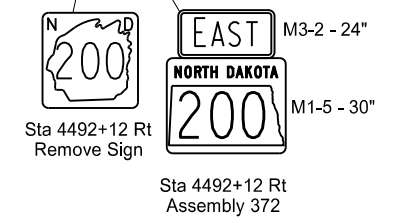
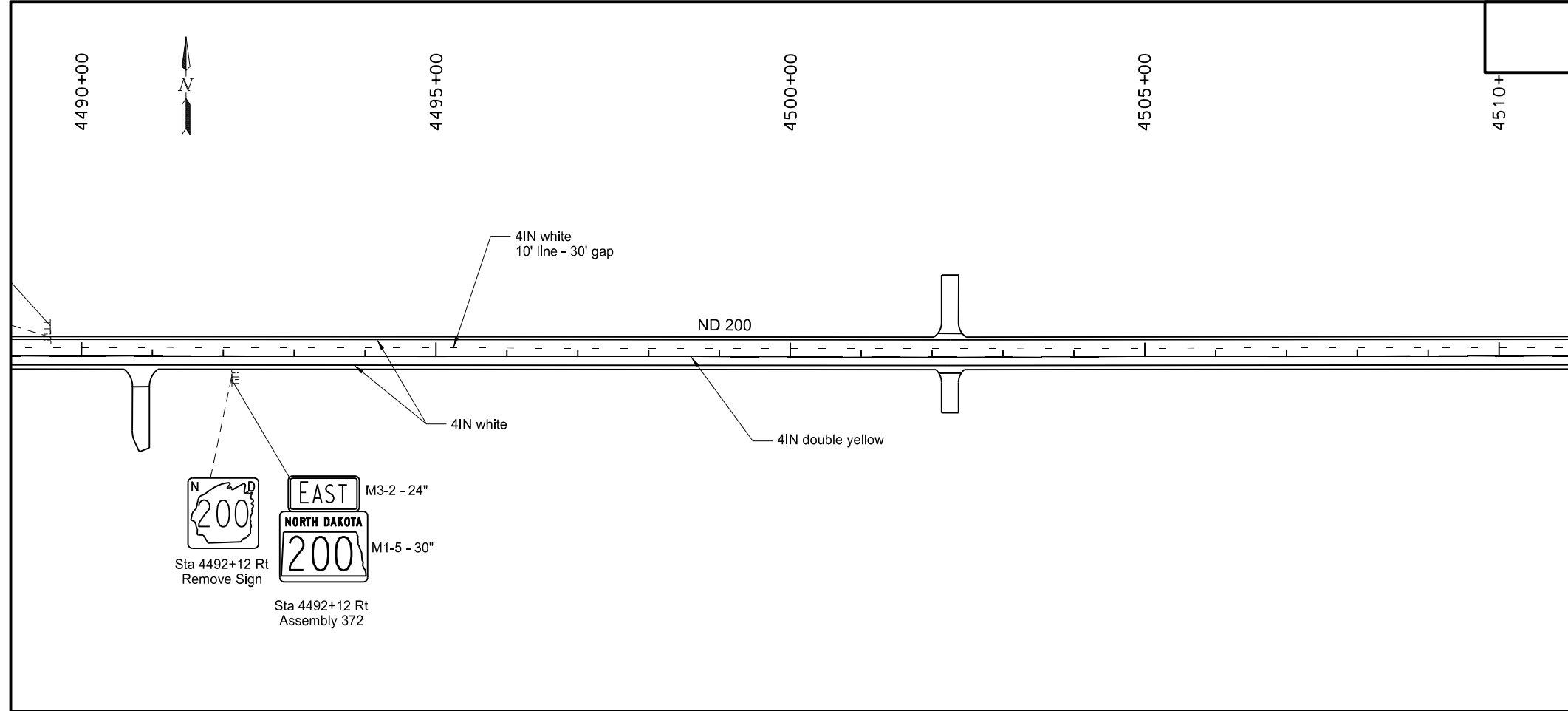


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 Sta 4450+00 to 4490+00



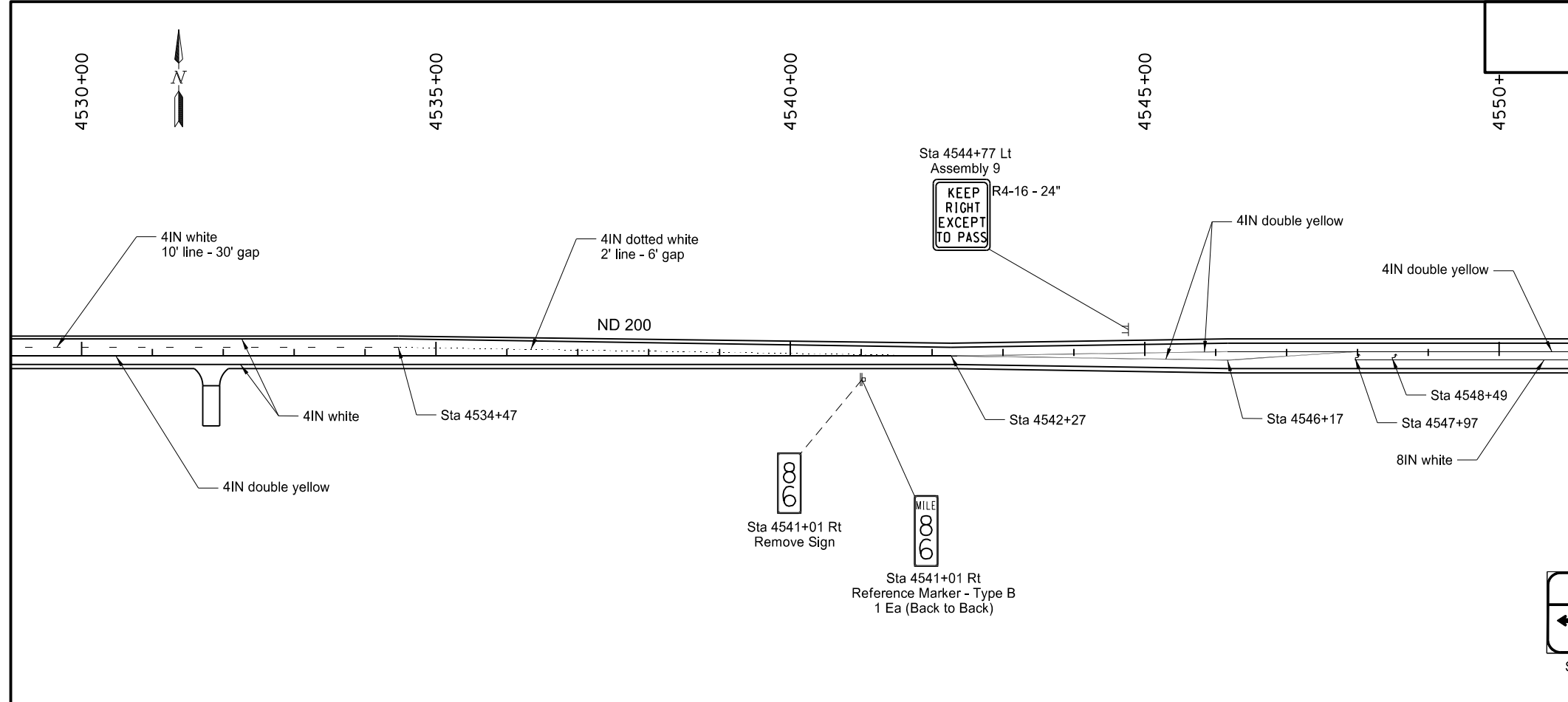
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	19



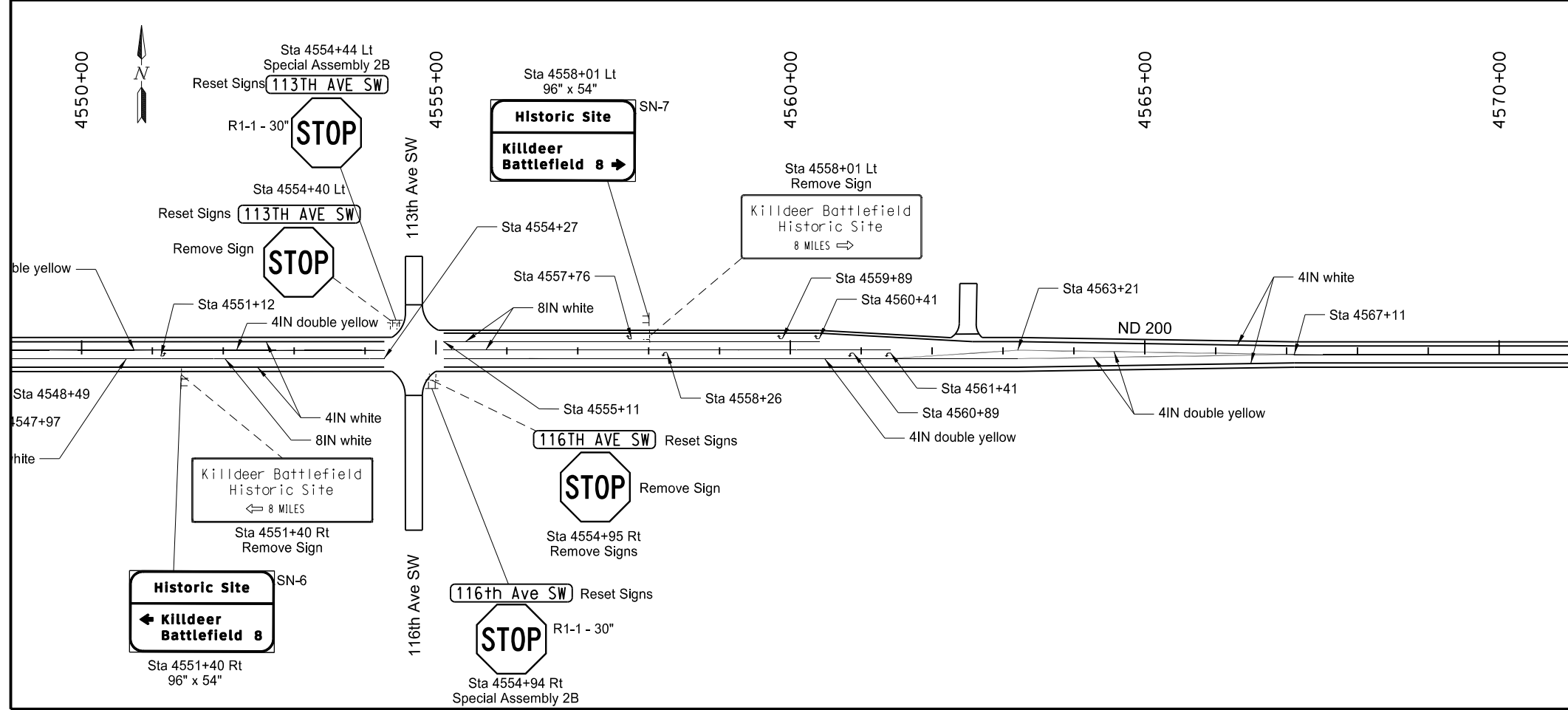
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 Sta 4490+00 to 4530+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	20



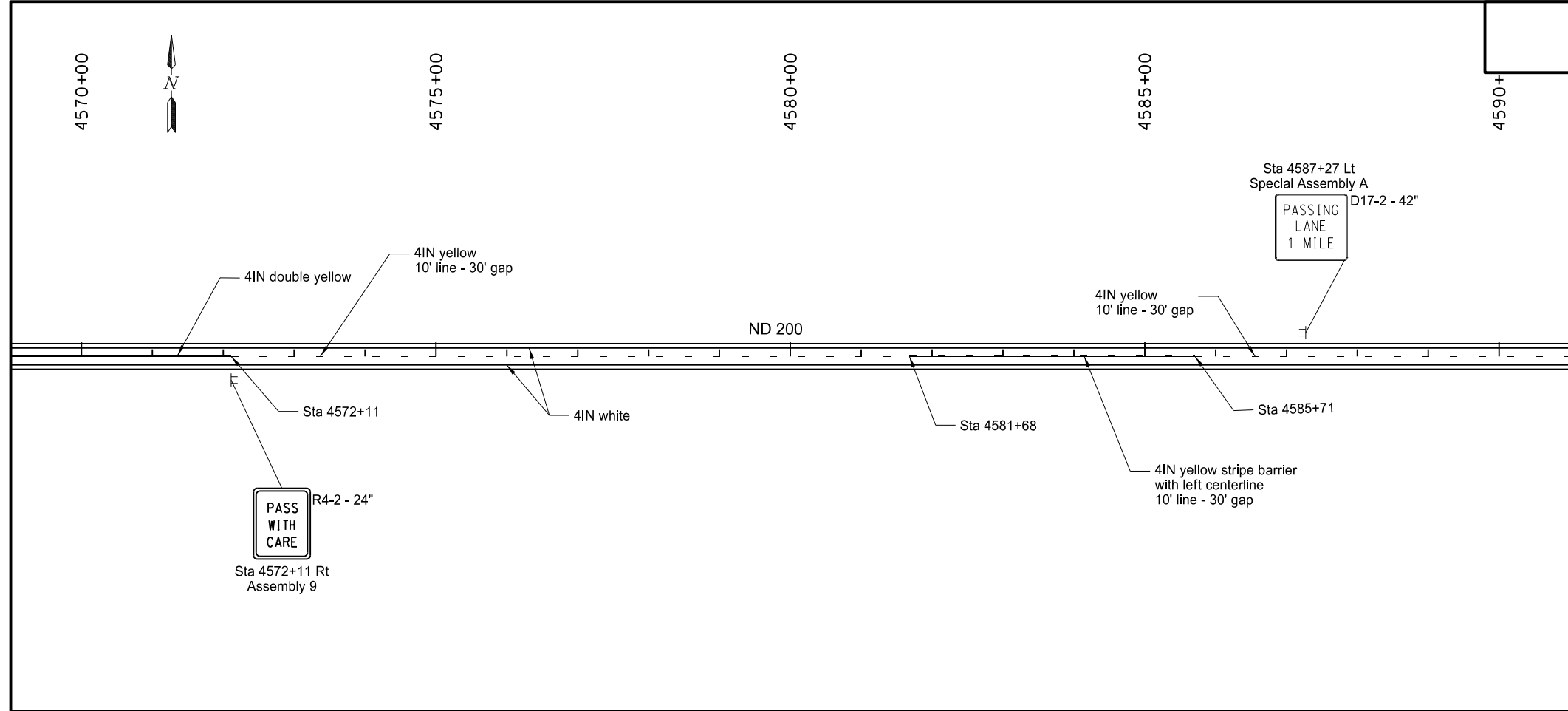
754-0562 Reference Marker - Type B  
Sta 4541+01 Rt 1 EA



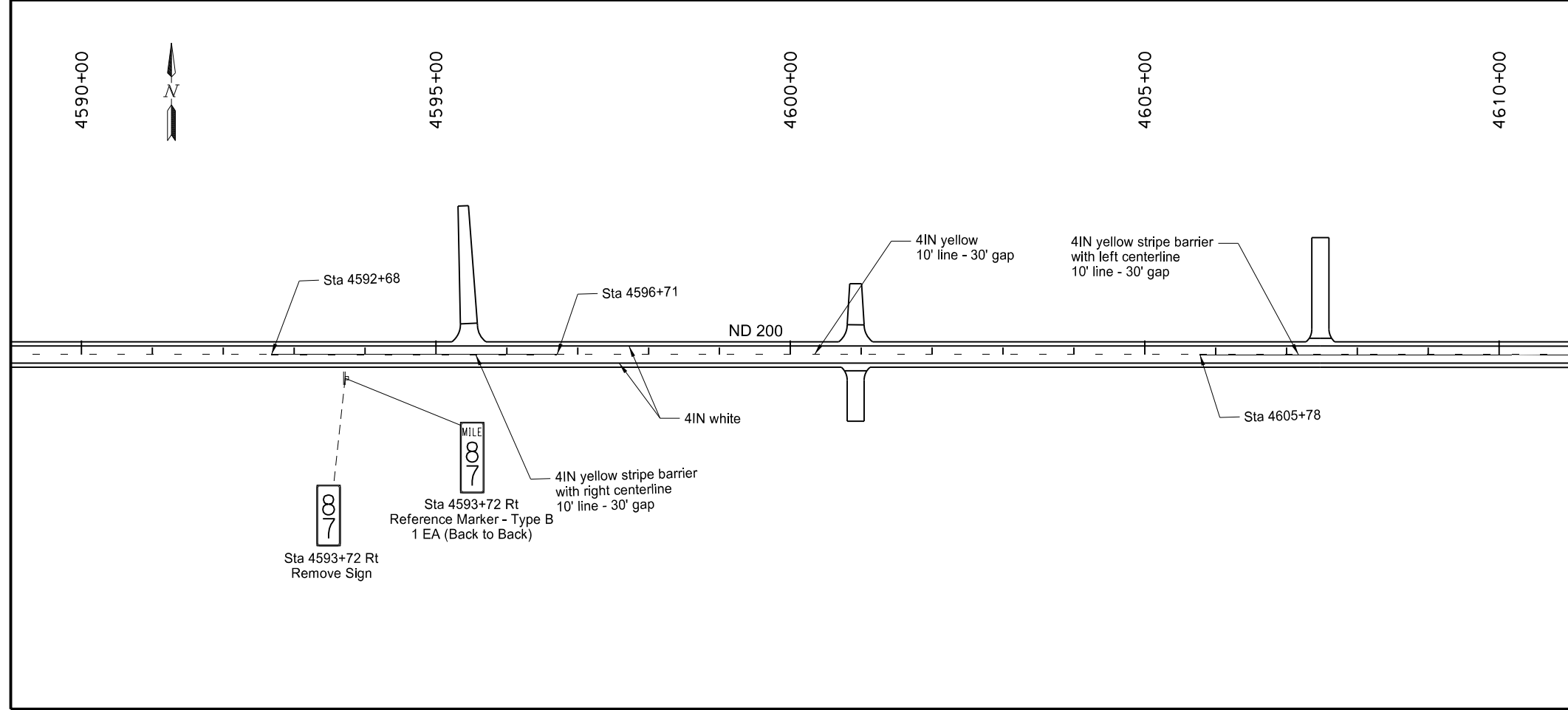
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Sta 4530+00 to 4570+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	21



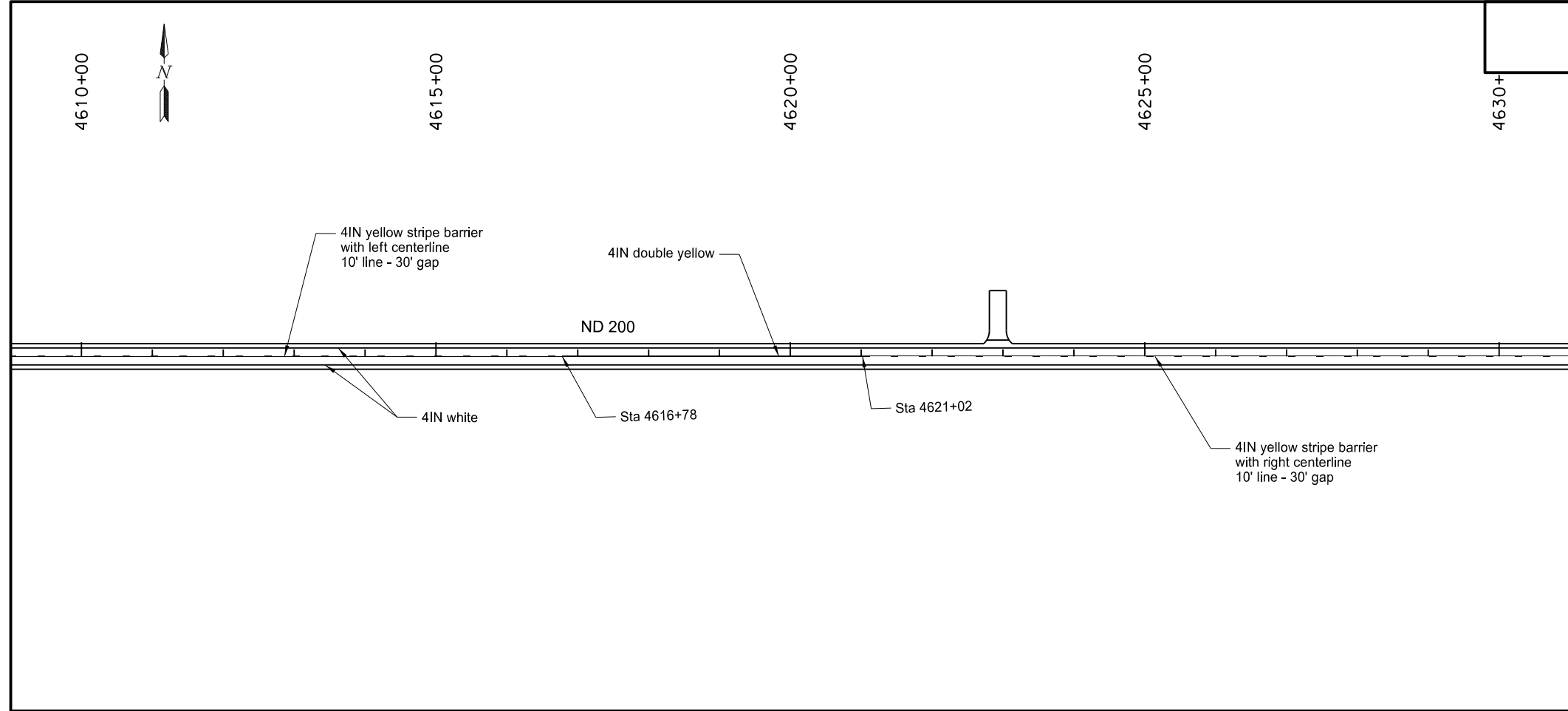
754-0562 Reference Marker - Type B  
 Sta 4593+72 Rt 1 EA



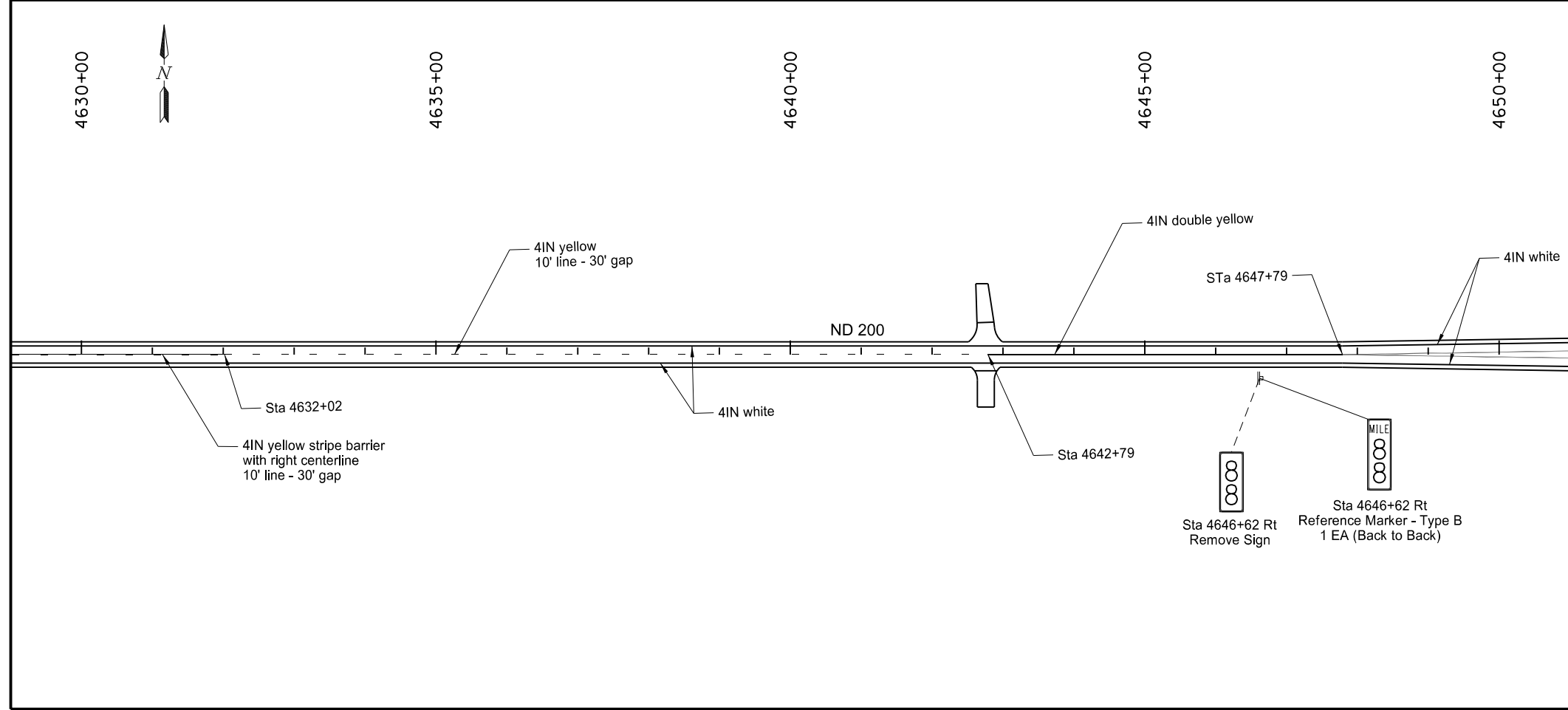
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 Sta 4570+00 to 4610+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	22



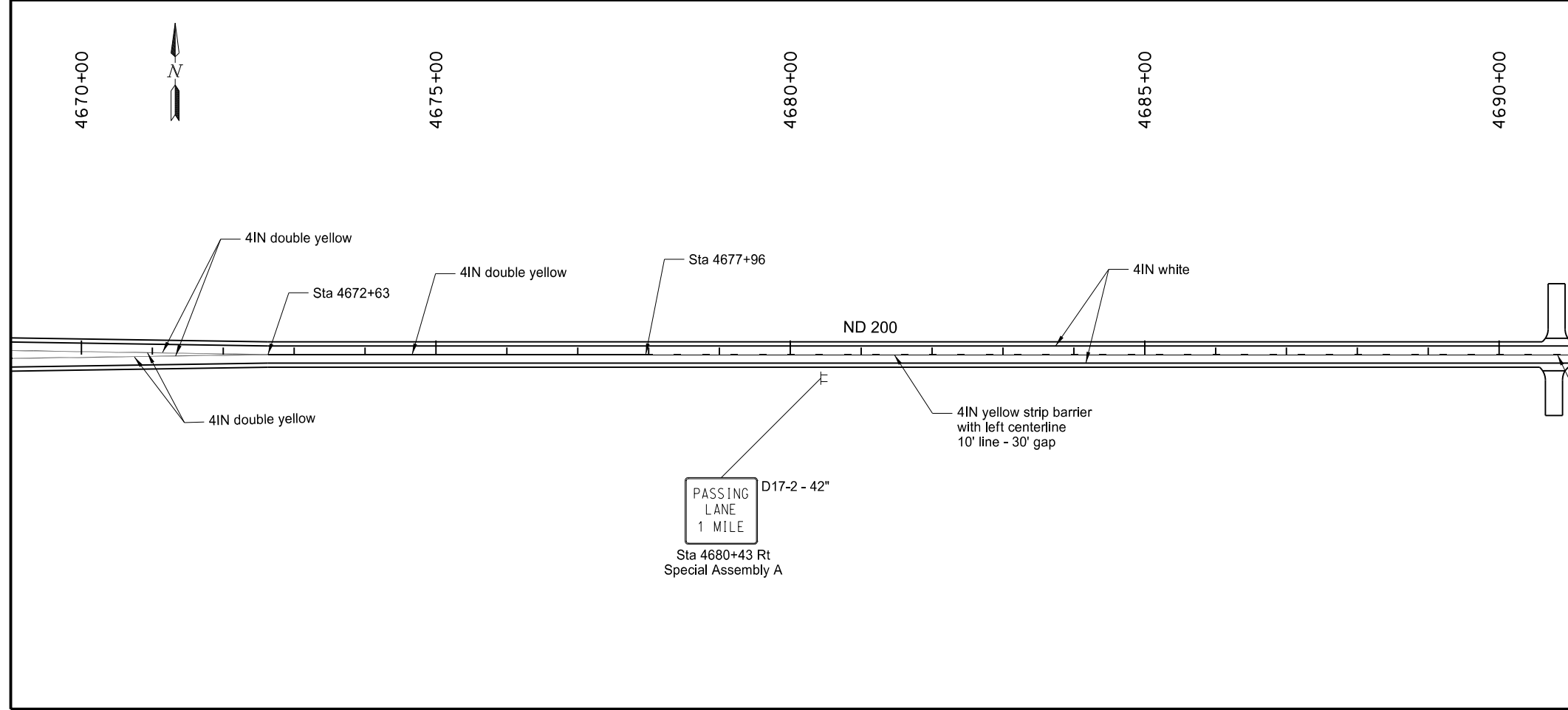
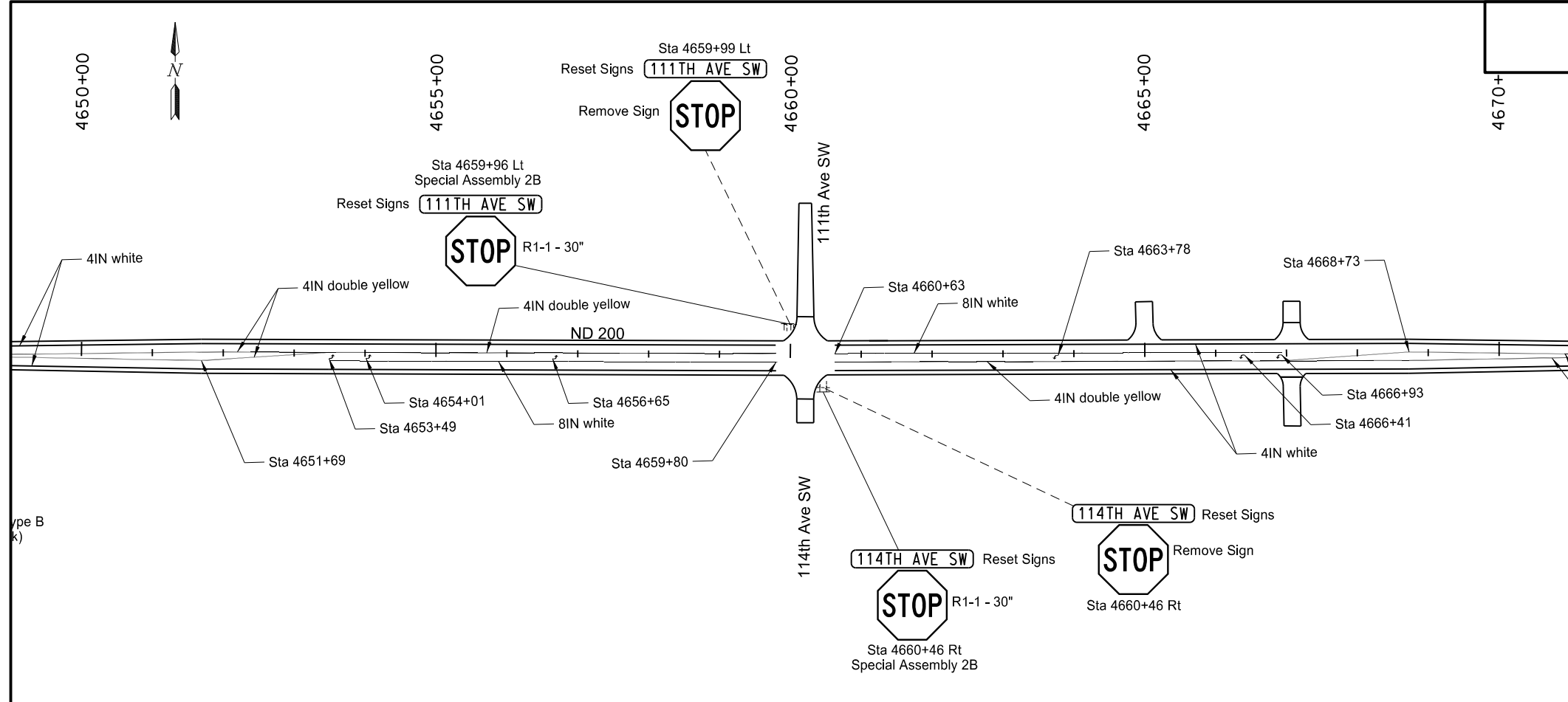
754-0562 Reference Marker - Type B  
 Sta 4646+62 Rt 1 EA



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 Sta 4610+00 to 4650+00

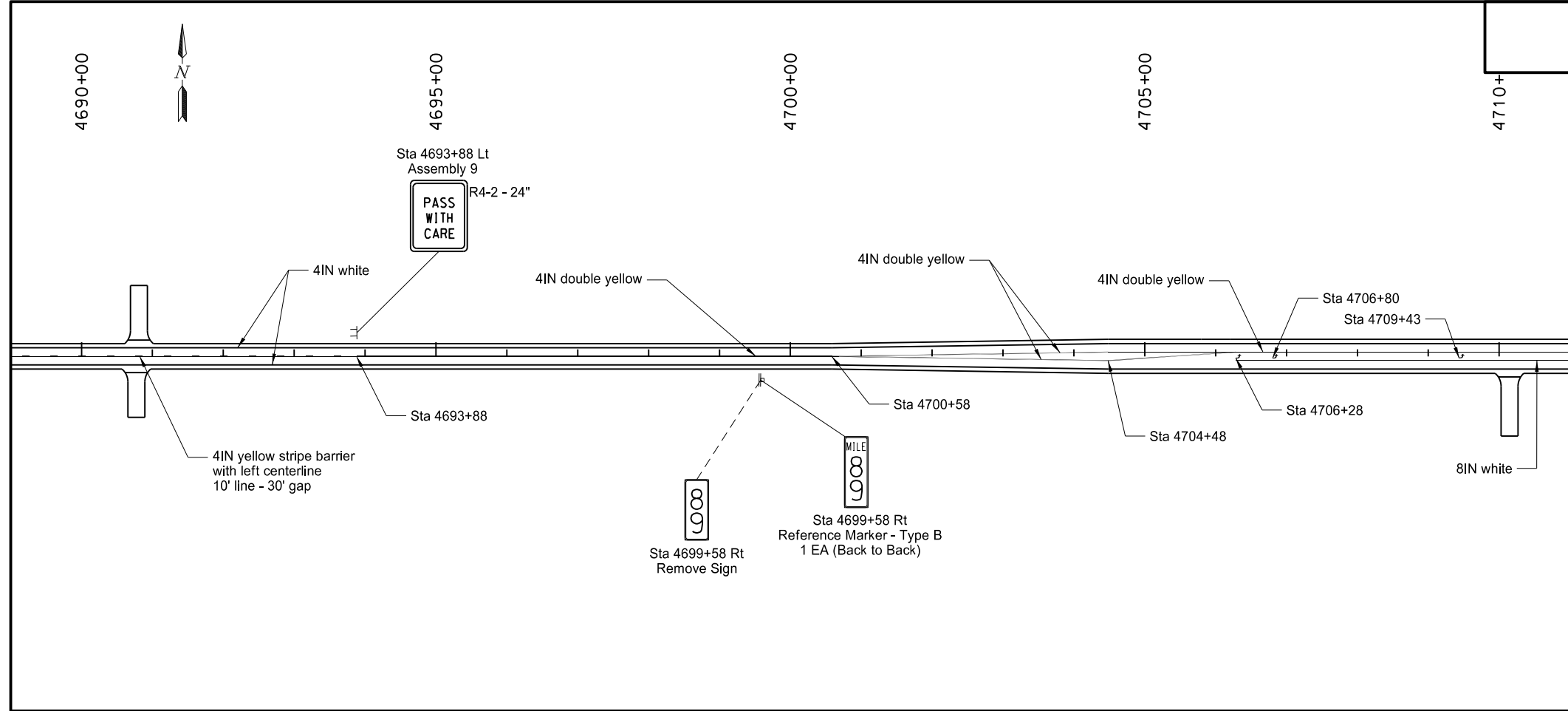
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	23



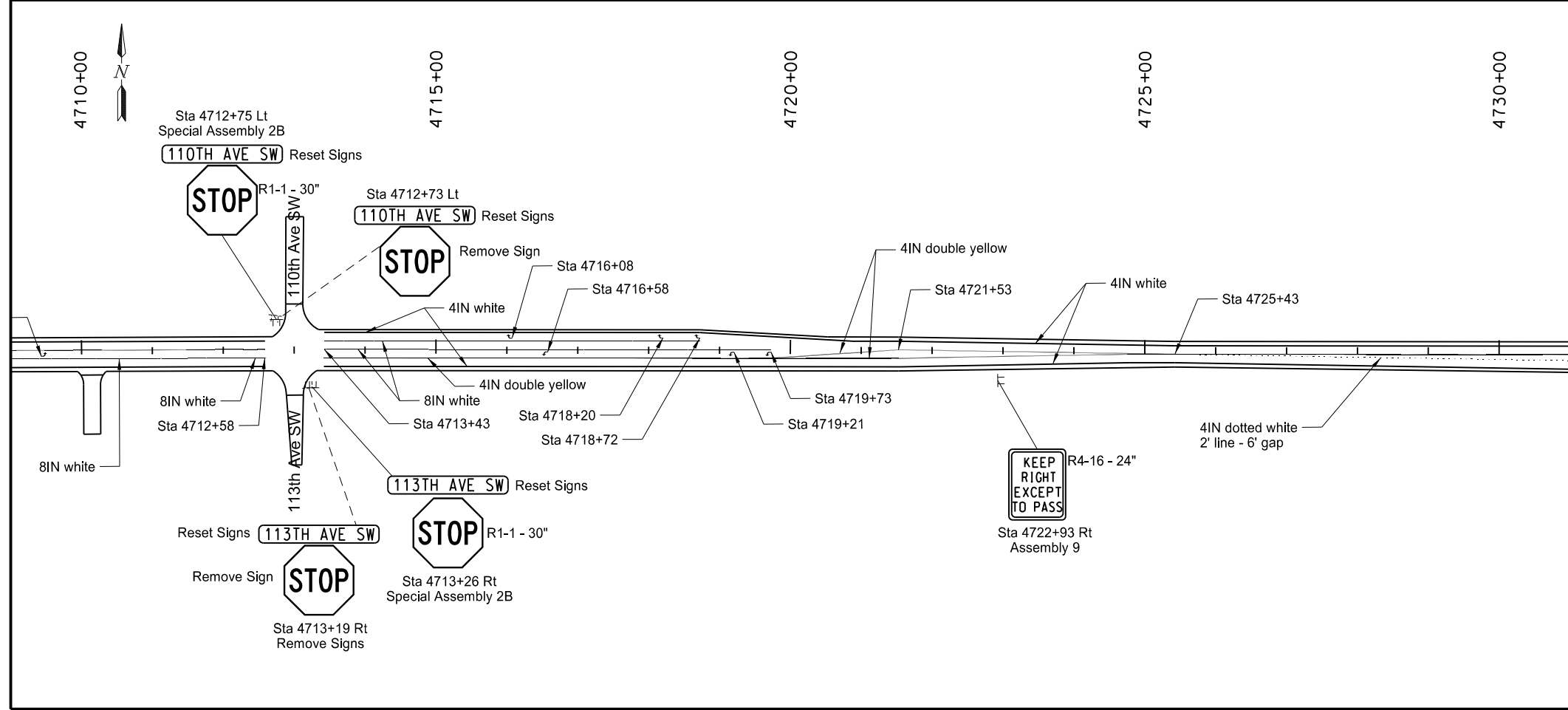
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 Sta 4650+00 to 4690+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	24



754-0562 Reference Marker - Type B  
 Sta 4699+58 Rt 1 EA

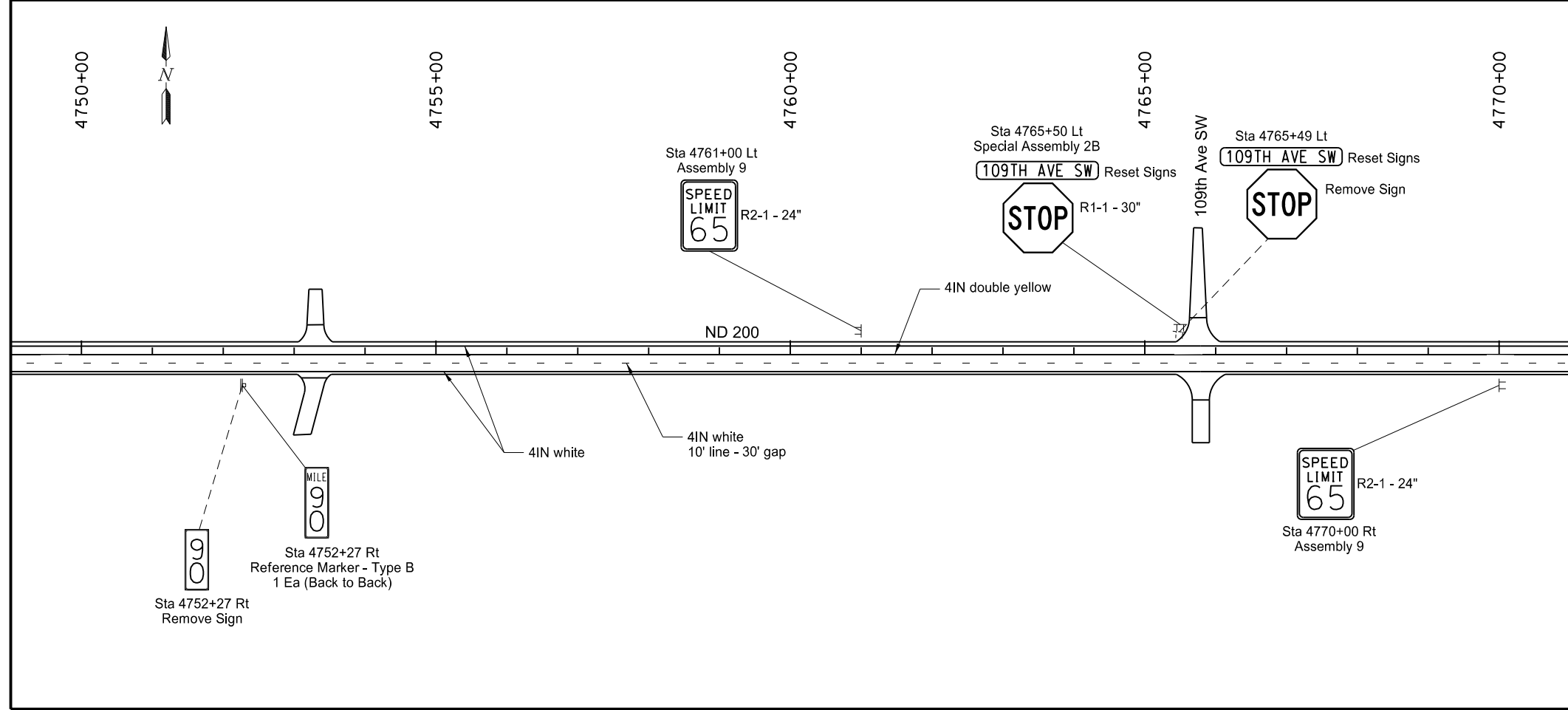
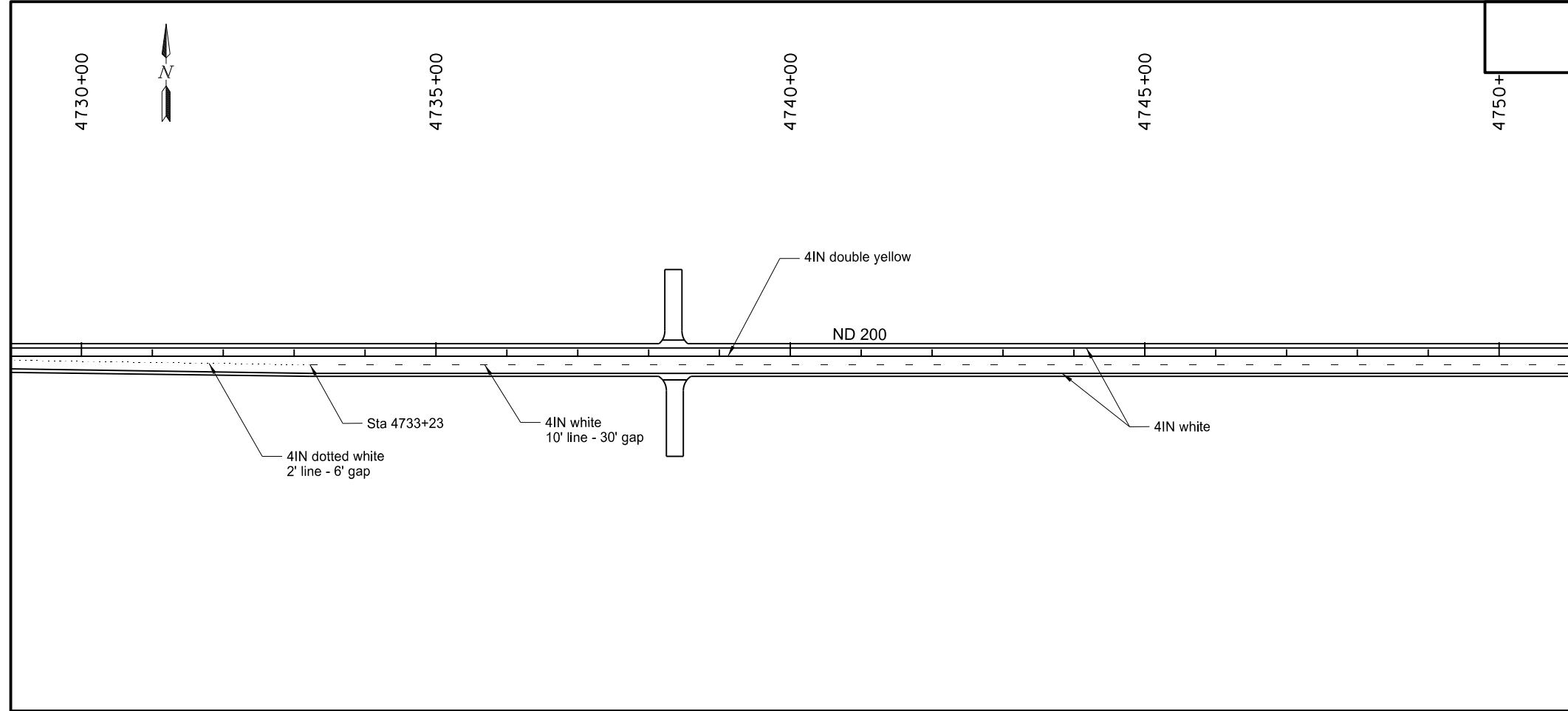


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 Sta 4690+00 to 4730+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	25

754-0562 Reference Marker - Type B  
 Sta 4752+27 Rt 1 EA

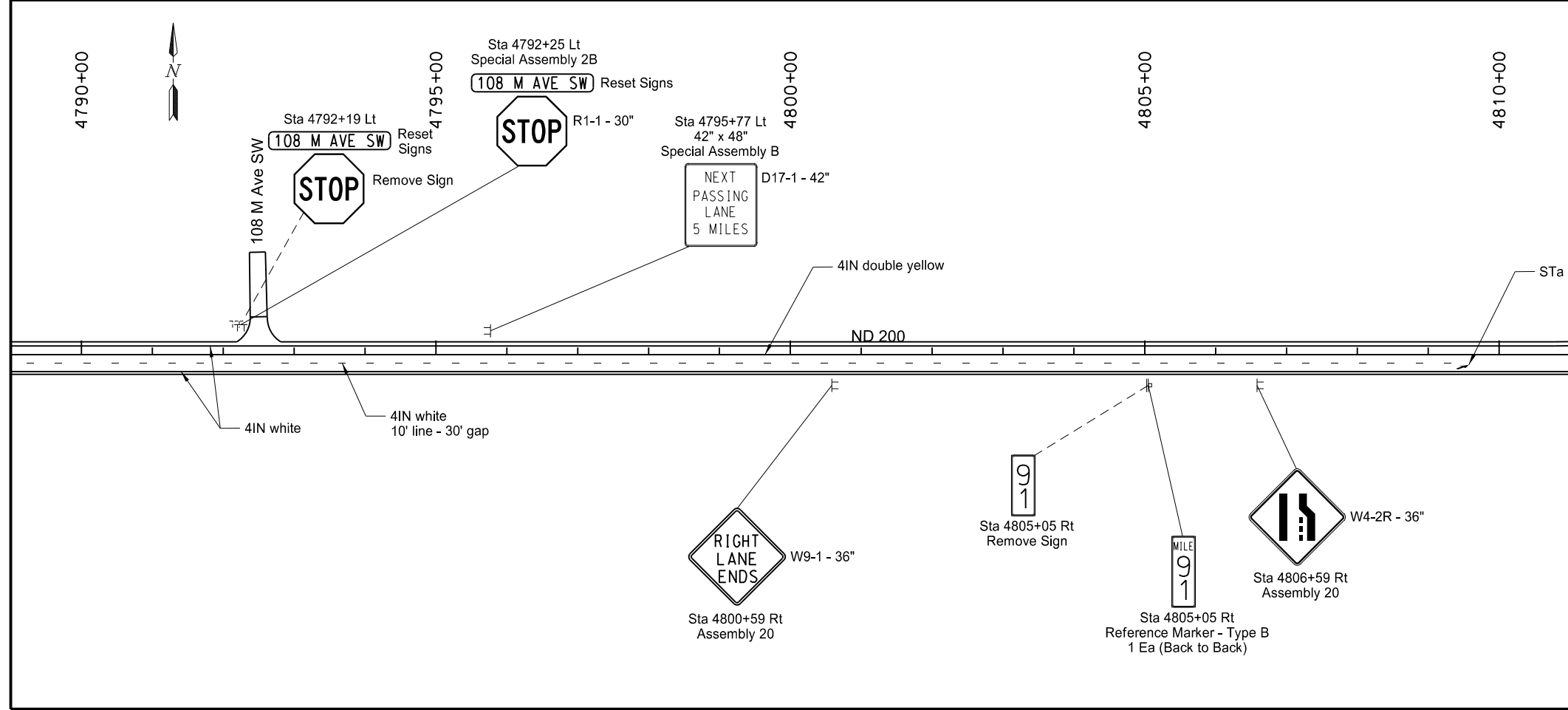
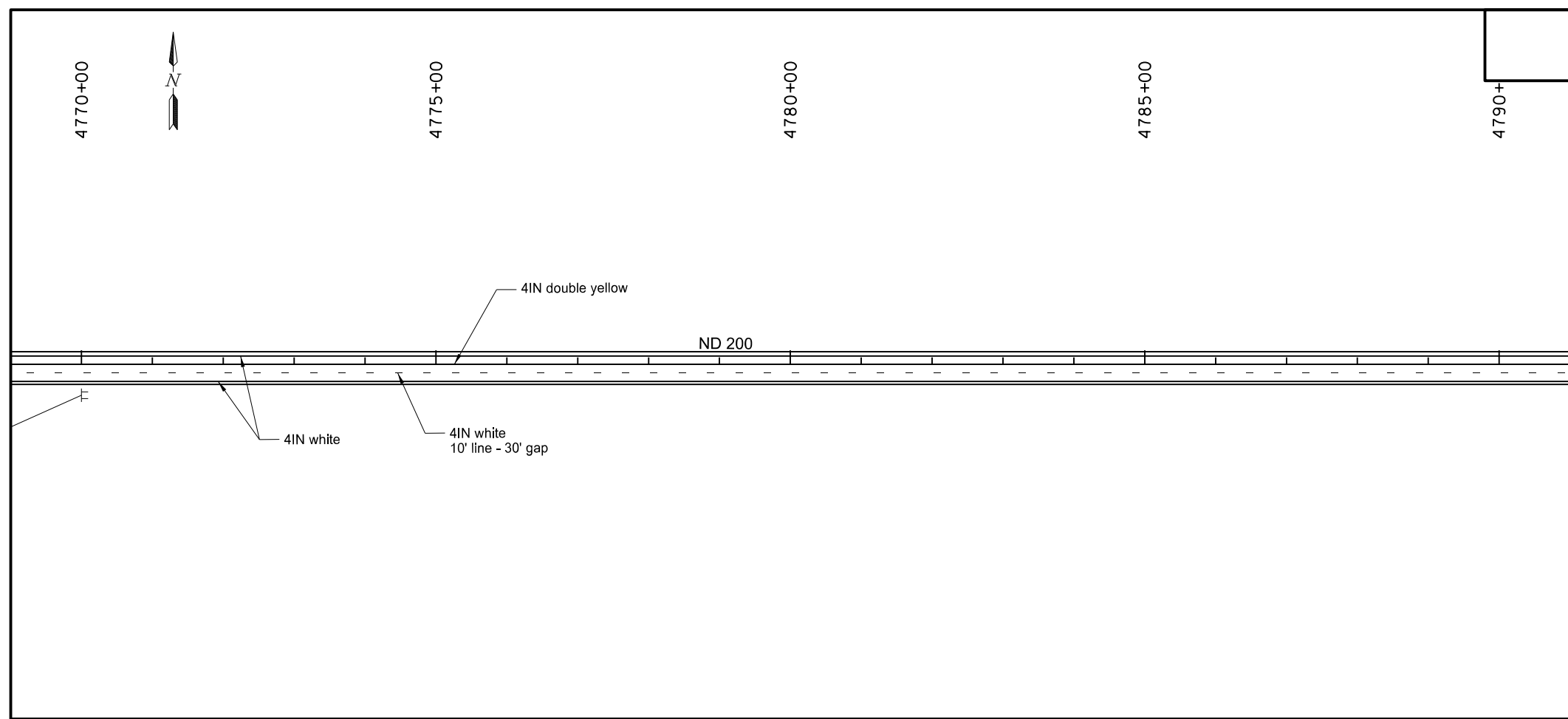


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 Sta 4730+00 to 4770+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	26

754-0562 Reference Marker - Type B  
 Sta 4805+05 Rt 1 EA

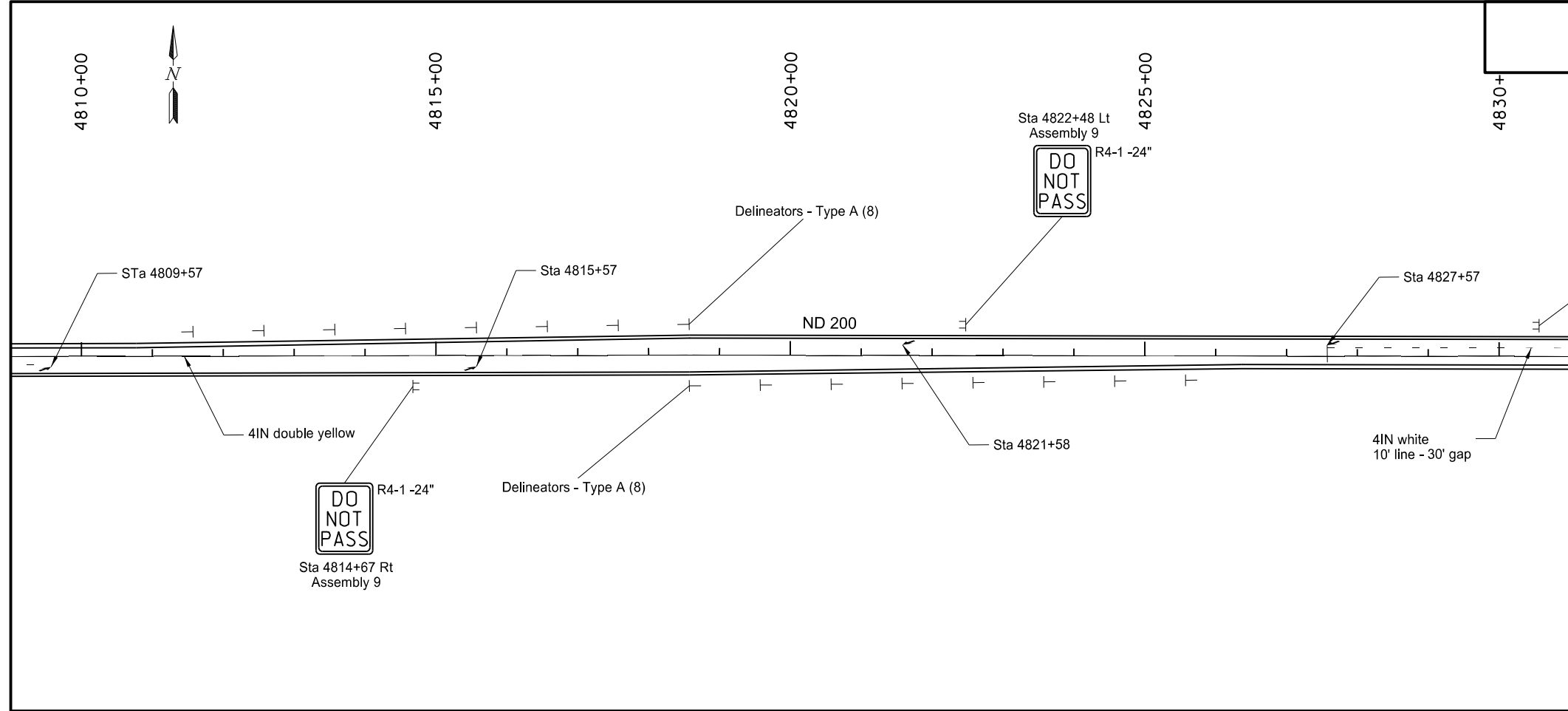


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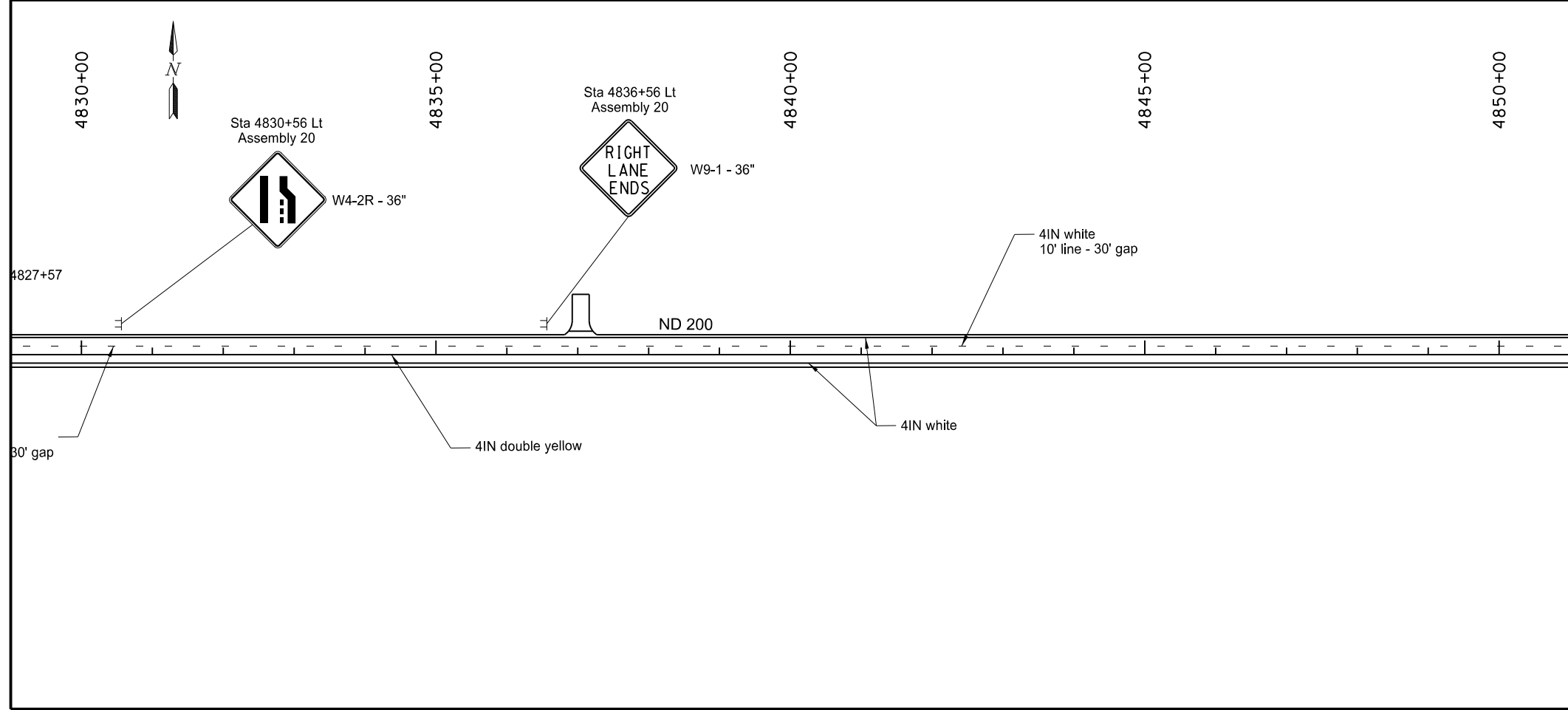
ND Hwy 200  
 Dunn County  
 Sign Layout/Pavement Marking Layout  
 Sta 4770+00 to 4810+00



STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	27



754-0150 Delineators - Type A  
 Sta 4811+58 - 4818+58 Lt 8 EA  
 Sta 4818+58 - 4825+58 Rt 8 EA

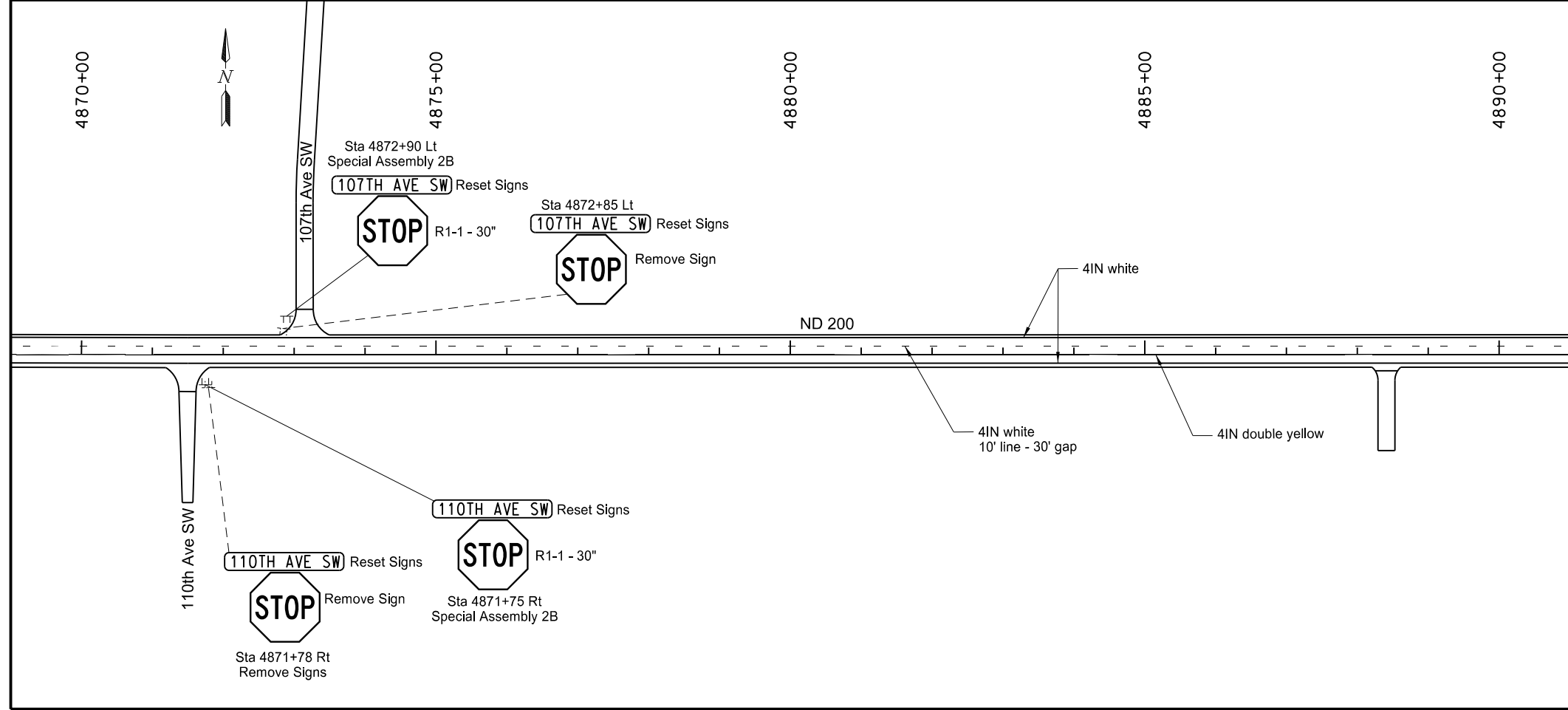
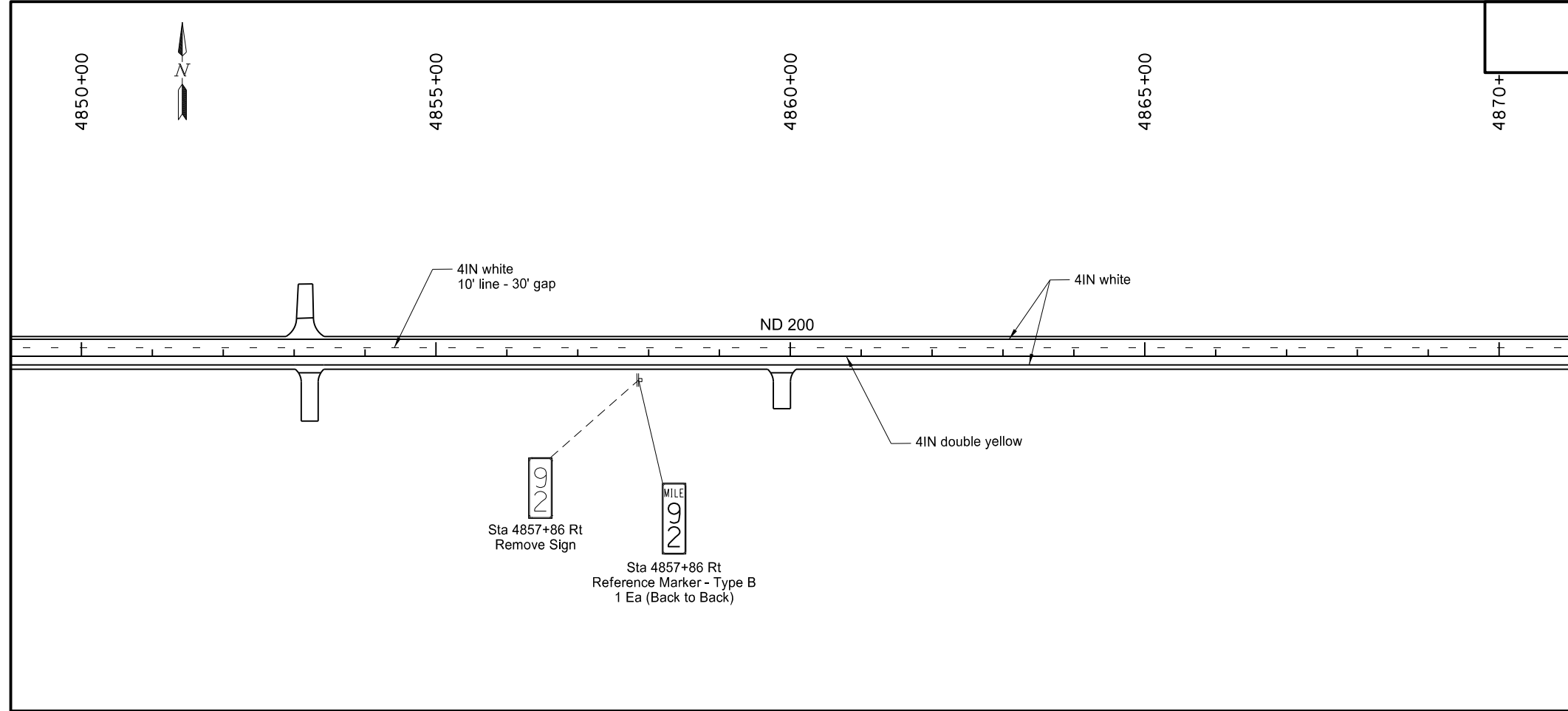


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 Sta 4810+00 to 4850+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	28

754-0562 Reference Marker - Type B  
 Sta 4857+86 Rt 1 EA

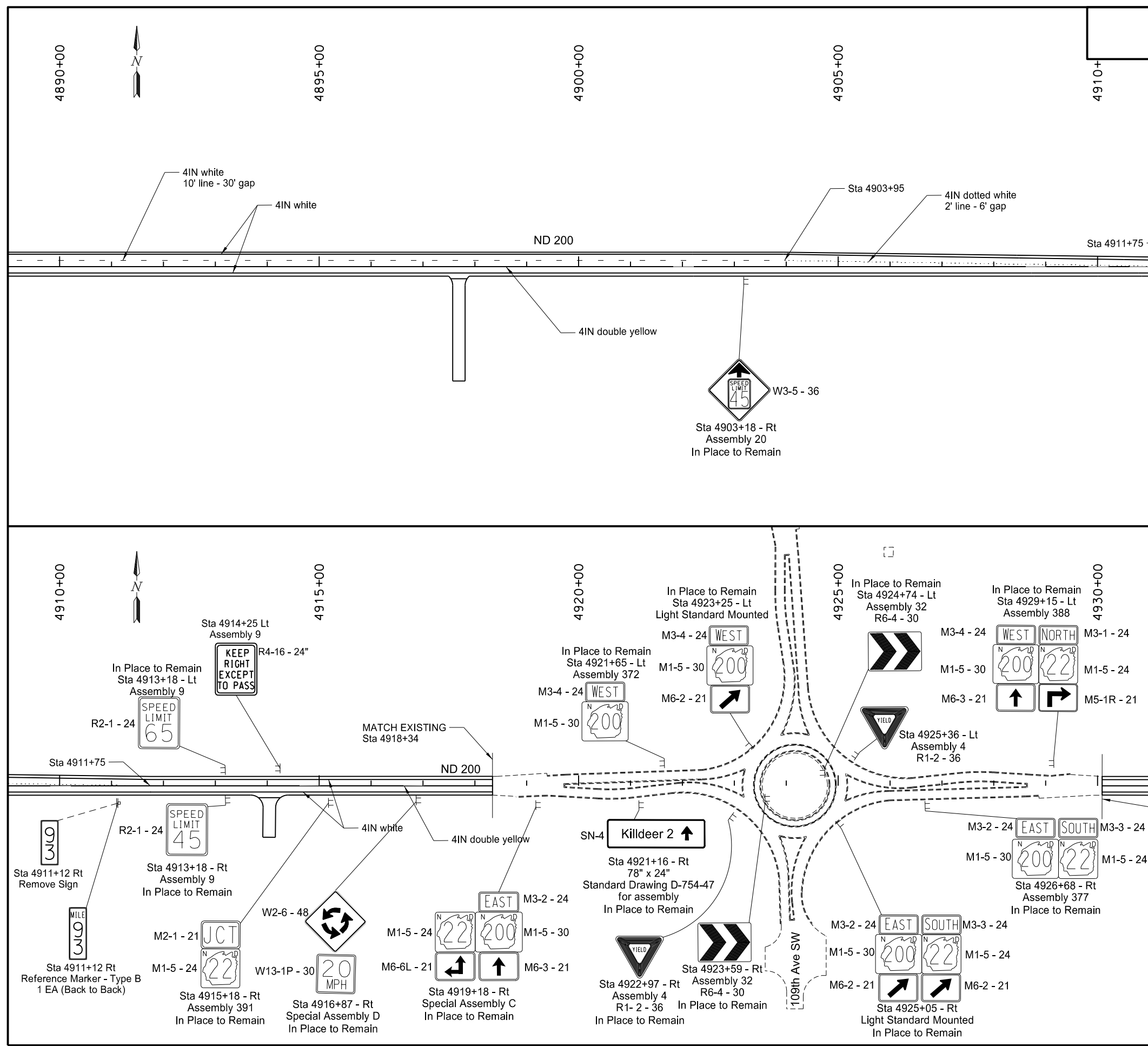


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 Sta 4850+00 to 4890+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	29

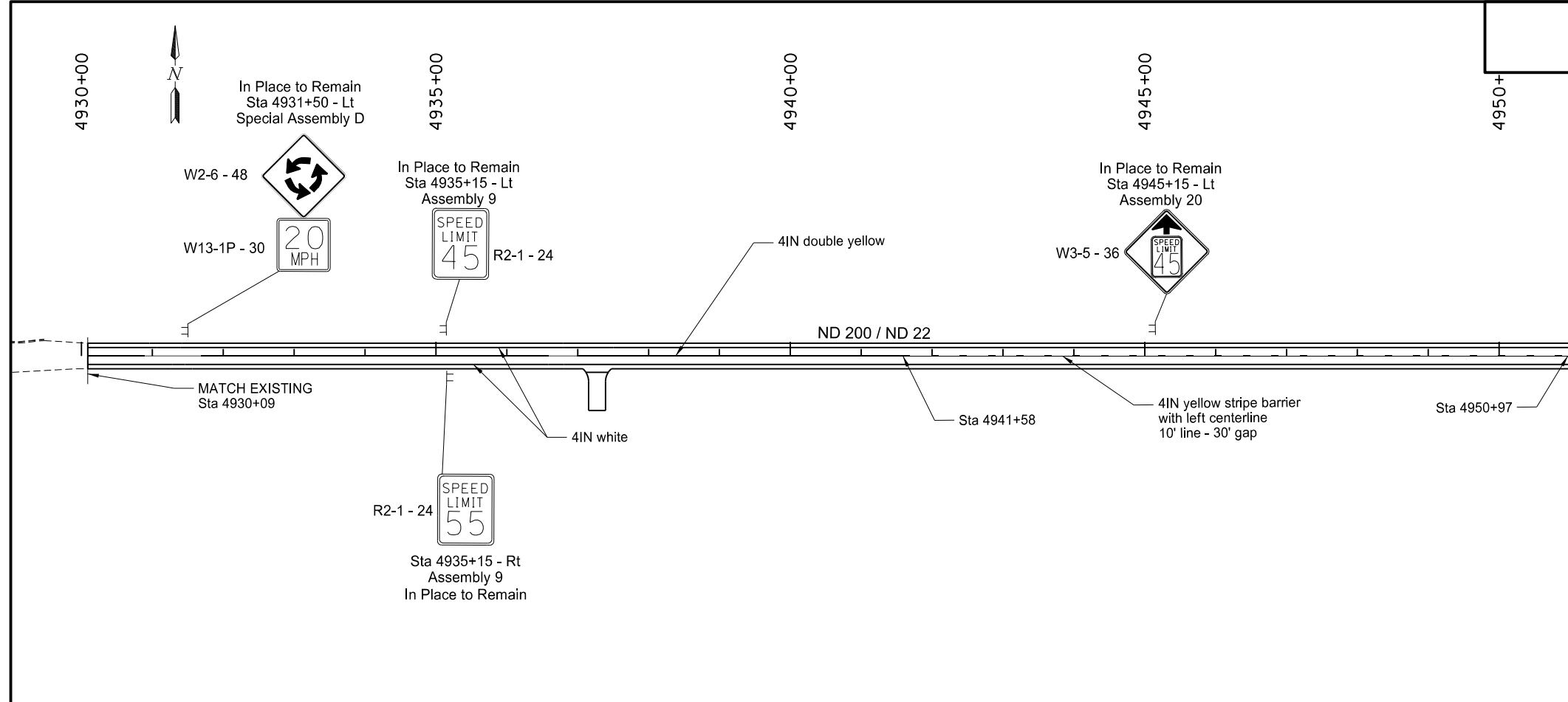
754-0562 Reference Marker - Type B  
 Sta 4911+12 Rt 1 EA



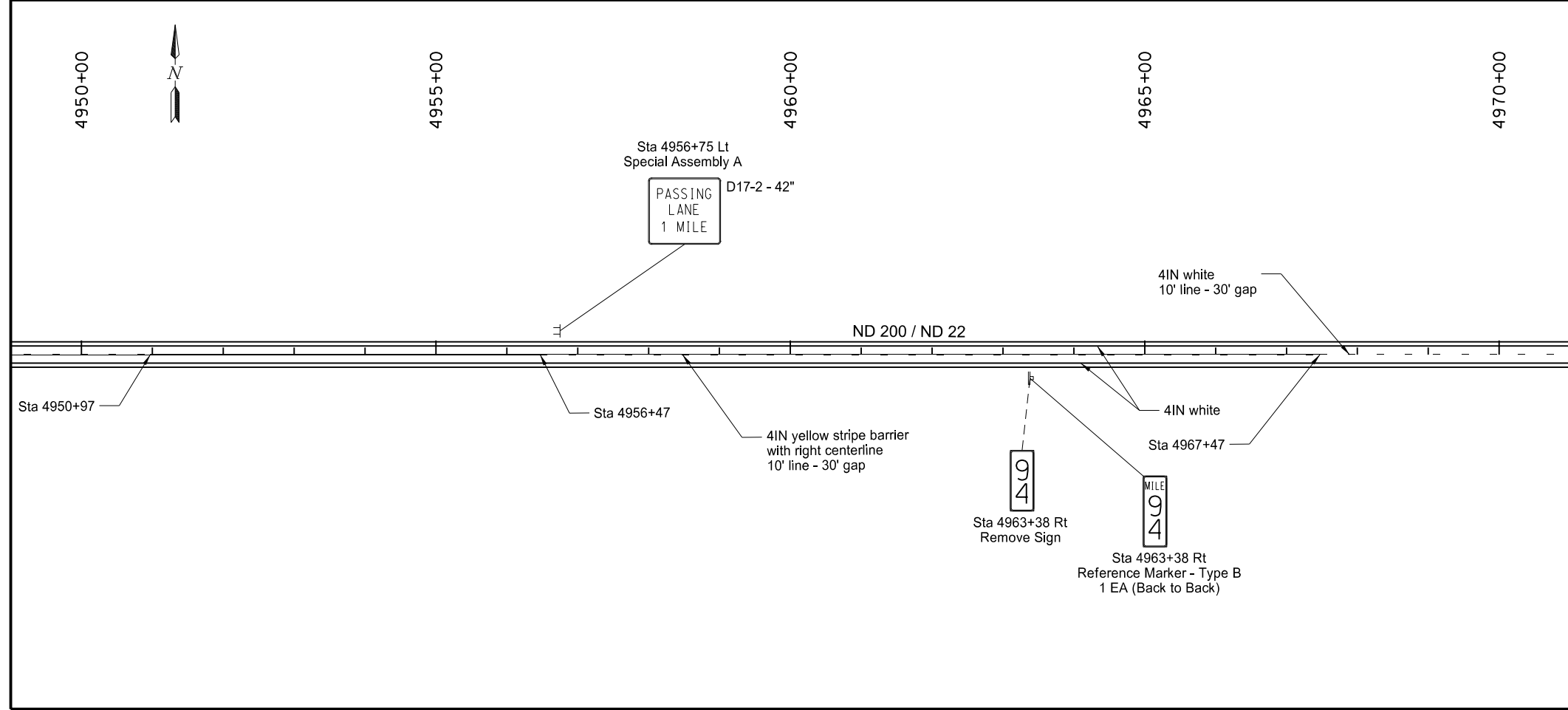
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ND Hwy 200  
 Dunn County  
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 Sta 4890+00 to 4930+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	30



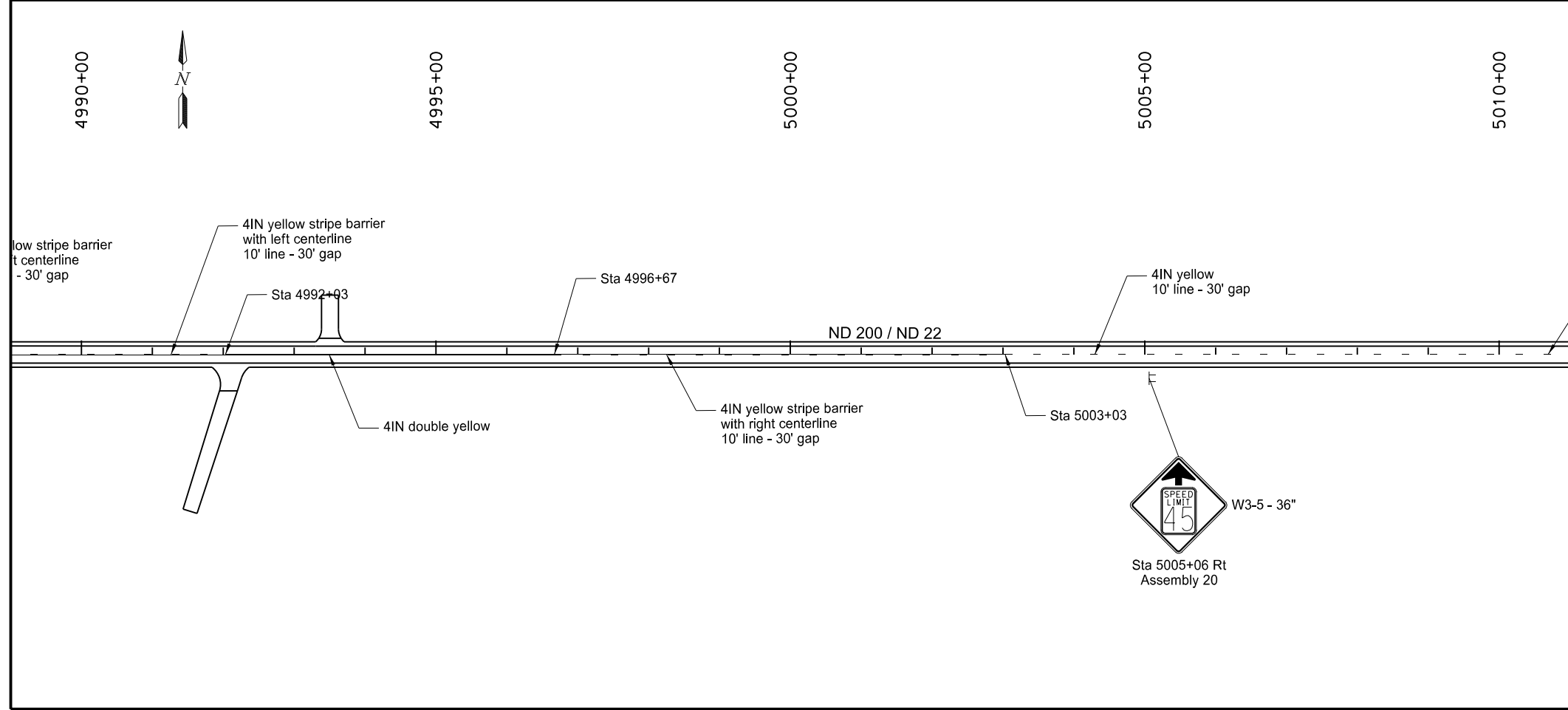
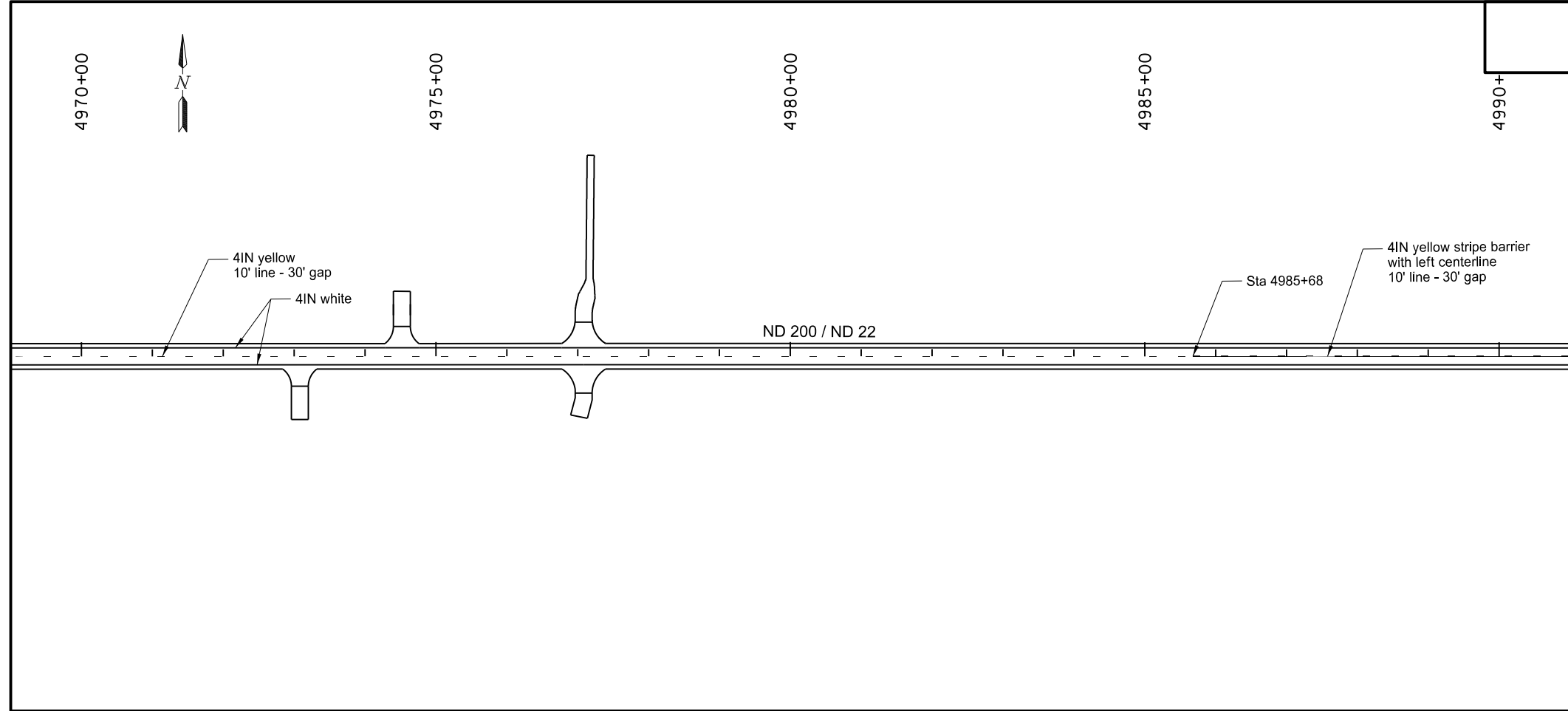
754-0562 Reference Marker - Type B  
 Sta 4963+38 Rt 1 EA



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 4930+00 to 4970+00

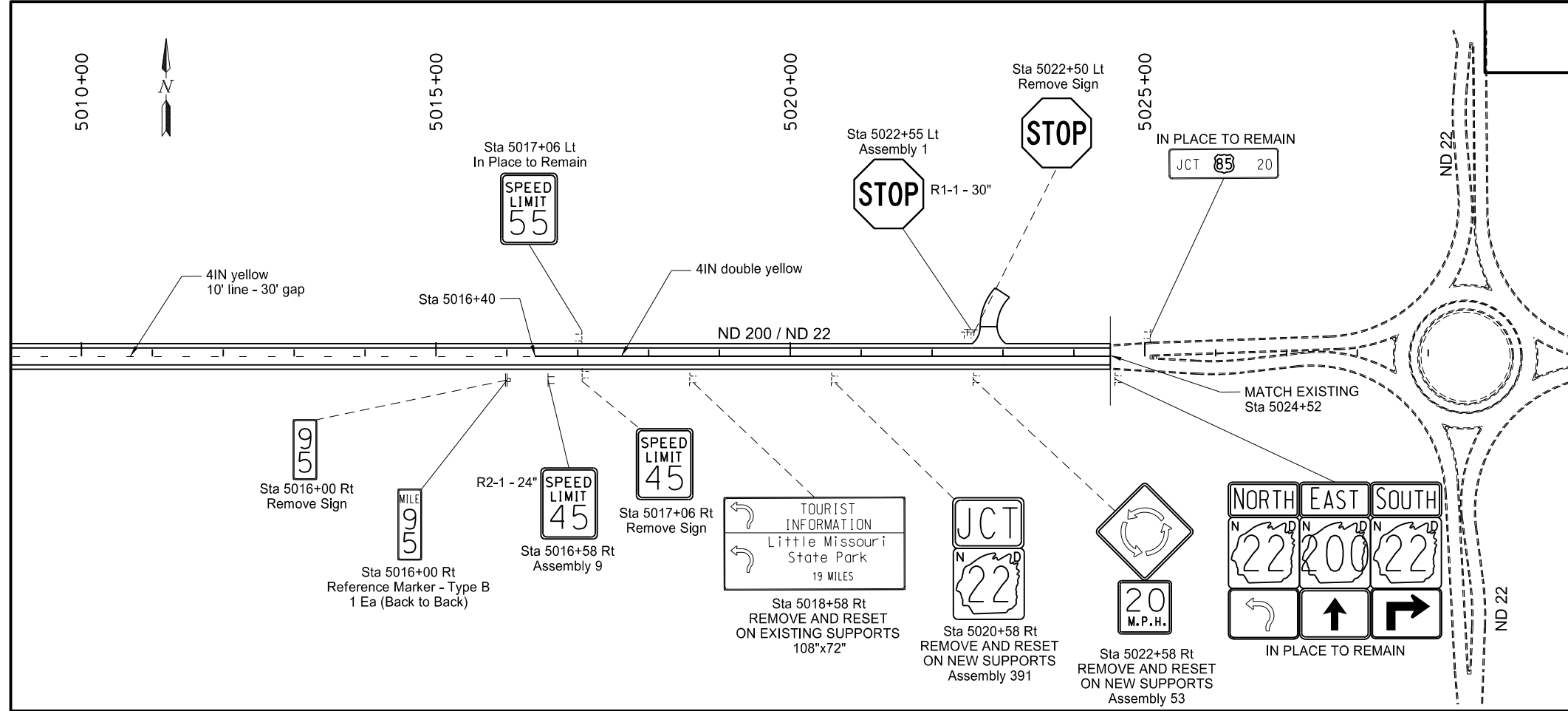
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	31



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 Sta 4970+00 to 5010+00

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	32



754-0562 Reference Marker - Type B  
Sta 5016+00 Rt 1 EA

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Sta 5010+00 to 5030+00

SIGN NUMBER	SN-1
WIDTH x HEIGHT	9'-6" x 4'-0"
BORDER WIDTH	1.25" (inset 0")
CORNER RADIUS	6"
MOUNTING	Ground
BACKGROUND	TYPE: IV Reflective COLOR: Green
LEGEND/BORDER	TYPE: IV Reflective COLOR: White
SYMBOL	X Y WID HT ANGLE
ARDD	9.3 31.8 7.1 9 180
ARDD	95.7 20.7 7.1 9 0
ARDD	95.7 9.1 7.1 9 0

STATION(S): 3968+57 It

AREA: 38.0 Sq.Ft.

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITION (X)															LENGTH	SIZE	SERIES
B	e	l	f	i	e	l	d	3	3						80.4	6/4.9	ClearviewHwy-5-W
24.3	30.7	37.1	40.3	44.8	48.2	54.6	58.1	94.7	100.5								
G	r	a	s	s	y		B	u	t	t	e	5			80.4	6/4.9	ClearviewHwy-5-W
9.3	16.6	20.7	26.6	31.9	36.9	41.6	48.1	54.7	60.4	64.6	69.1	85.6					
W	a	t	f	o	r	d		C	i	t	y	3	5		80.4	6/4.9	ClearviewHwy-5-W
9.3	18.6	24.4	28.7	33.1	39.7	44	48.3	55.2	61.8	64.8	68.8	79.5	85.6				

SIGN NUMBER	SN-2
WIDTH x HEIGHT	10'-0" x 5'-6"
BORDER WIDTH	1.25" (inset 0")
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: IV Reflective COLOR: Brown / Brown
LEGEND/BORDER	TYPE: IV Reflective COLOR: White
SYMBOL	X Y WID HT ANGLE
ARDD	22.6 18.9 7.1 9 180
ARDD	88.4 7.9 7.1 9 0

STATION(S): 3984+57 It

AREA: 55.0 Sq.Ft.

Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITION (X)																	LENGTH	SIZE	SERIES	
T	h	e	o	d	o	r	e		R	o	o	s	e	v	e	l	t	102.2	6/4.9	ClearviewHwy-5-W
8.9	15	21.2	27.4	33.8	40.2	46.9	51.2	55.6	62.5	68.8	75.2	81.4	86.9	92.7	98.6	105	108.1			
N	a	t	i	o	n	a	l		P	a	r	k						69.3	6/4.9	ClearviewHwy-5-W
25.3	32.3	38	42.7	46	52.7	58.7	65.1	67	73.7	79.5	85.9	90.4								
S	o	u	t	h		U	n	i	t									53.8	6/4.9	ClearviewHwy-5-W
43.6	49.6	56.3	62.1	66.8	71	78.2	85.2	91.5	94.4											
N	o	r	t	h		U	n	i	t									52.9	6/4.9	ClearviewHwy-5-W
22.6	29.7	36.3	40.2	45	49.2	56.3	63.3	69.6	72.6											

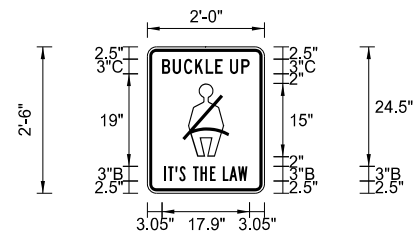
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ND Hwy 200  
Sign Details

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	110	34

SIGN NUMBER	SN-3
WIDTH x HEIGHT	2'-0" x 2'-6"
BORDER WIDTH	0.63" (inset 0.38")
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: XI Reflective COLOR: White
LEGEND/BORDER	TYPE: Non-reflective COLOR: Black
SYMBOL	X Y WID HT ANGLE
Seat Belt	7.2 7.5 9.7 15 0

STATION(S): 3977+67 ft AREA: 5.0 Sq.Ft.

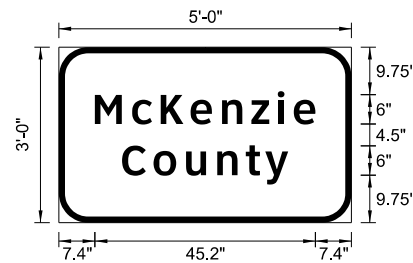


Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITION (X)										LENGTH	SIZE	SERIES
B	U	C	K	L	E	U	P			17.9	3	C 2000
3	5.2	7.5	9.8	12	13.9	17	19.3					
I	T	'	S	T	H	E	L	A	W	17.1	3	B 2000
3.5	4.3	5.7	6.6	9.4	10.9	12.9	15.5	16.8	18.6			

SIGN NUMBER	SN-5
WIDTH x HEIGHT	5'-0" x 3'-0"
BORDER WIDTH	1.25" (inset 0")
CORNER RADIUS	6"
MOUNTING	Ground
BACKGROUND	TYPE: IV Reflective COLOR: Green
LEGEND/BORDER	TYPE: IV Reflective COLOR: White
SYMBOL	X Y WID HT ANGLE

STATION(S): 4182+18 ft AREA: 15.0 Sq.Ft.

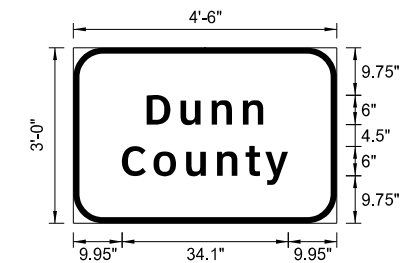


Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITION (X)										LENGTH	SIZE	SERIES
M	c	K	e	n	z	i	e			45.2	6/4.9	ClearviewHwy-5-W
7.4	15	20.9	27	33.5	39.5	44.9	48.2					
C	o	u	n	t	y					34.1	6/4.9	ClearviewHwy-5-W
13	19.4	26.1	32.5	38.3	42.3							

SIGN NUMBER	SN-4
WIDTH x HEIGHT	4'-6" x 3'-0"
BORDER WIDTH	1.25" (inset 0")
CORNER RADIUS	6"
MOUNTING	Ground
BACKGROUND	TYPE: IV Reflective COLOR: Green
LEGEND/BORDER	TYPE: IV Reflective COLOR: White
SYMBOL	X Y WID HT ANGLE

STATION(S): 4178+85 ft AREA: 13.5 Sq.Ft.



Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

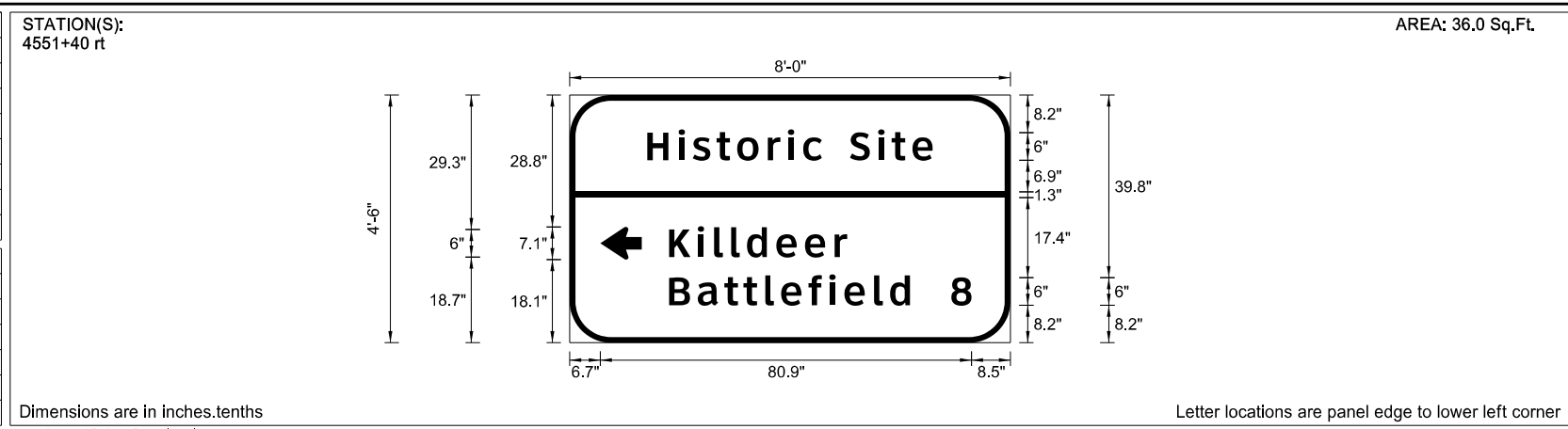
LETTER POSITION (X)										LENGTH	SIZE	SERIES
D	u	n	n							23.9	6/4.9	ClearviewHwy-5-W
15	22	28.4	34.8									
C	o	u	n	t	y					34.1	6/4.9	ClearviewHwy-5-W
10	16.4	23.1	29.5	35.3	39.3							

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ND Hwy 200  
Sign Details

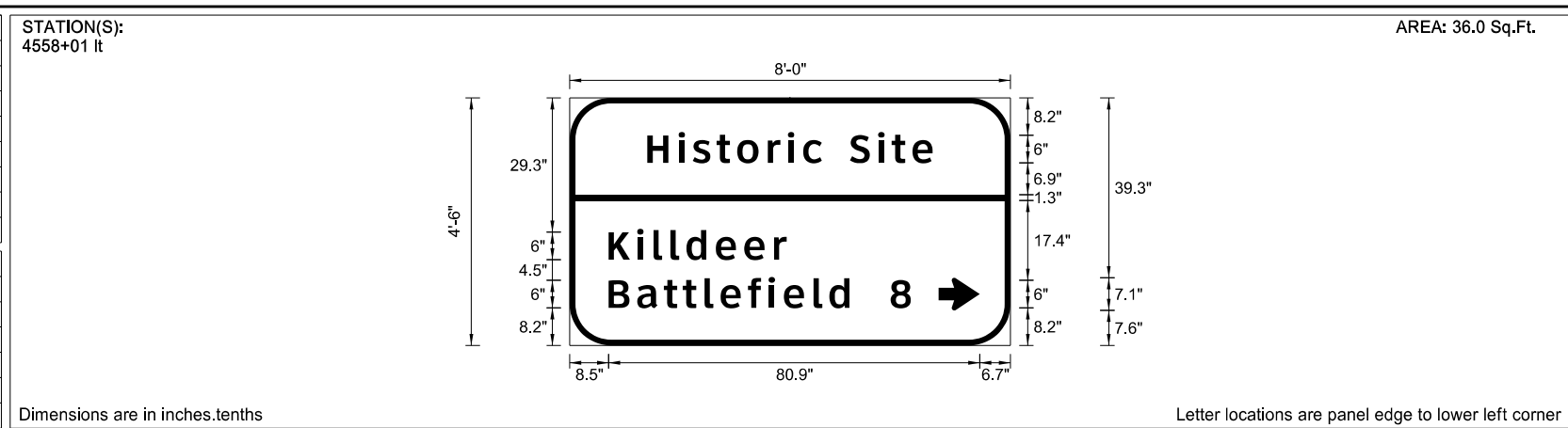


SIGN NUMBER	SN-6
WIDTH x HEIGHT	8'-0" x 4'-6"
BORDER WIDTH	1.25" (inset 0")
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: IV Reflective COLOR: Brown / Brown
LEGEND/BORDER	TYPE: IV Reflective COLOR: White
SYMBOL	X Y WID HT ANGLE
ARDD	6.7 18.1 7.1 9 180



LETTER POSITION (X)													LENGTH	SIZE	SERIES	
H	i	s	t	o	r	i	c	S	i	t	e			62.2	6/4.9	ClearviewHwy-5-W
16.9	23.7	26.8	32	36.5	43.2	47.5	50.9	54.9	61.1	67.2	70.1	74.7				
K	i	l	l	d	e	e	r							38.8	6/4.9	ClearviewHwy-5-W
21.7	27.9	31.5	35.2	38.6	45	51.2	57.7									
B	a	t	t	l	e	f	i	e	l	d	8			65.9	6/4.9	ClearviewHwy-5-W
21.7	27.9	33.7	37.8	42.6	46.1	52	56.5	59.9	66.3	69.8	83.1					

SIGN NUMBER	SN-7
WIDTH x HEIGHT	8'-0" x 4'-6"
BORDER WIDTH	1.25" (inset 0")
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: IV Reflective COLOR: Brown / Brown
LEGEND/BORDER	TYPE: IV Reflective COLOR: White
SYMBOL	X Y WID HT ANGLE
ARDD	80.3 7.6 7.1 9 0

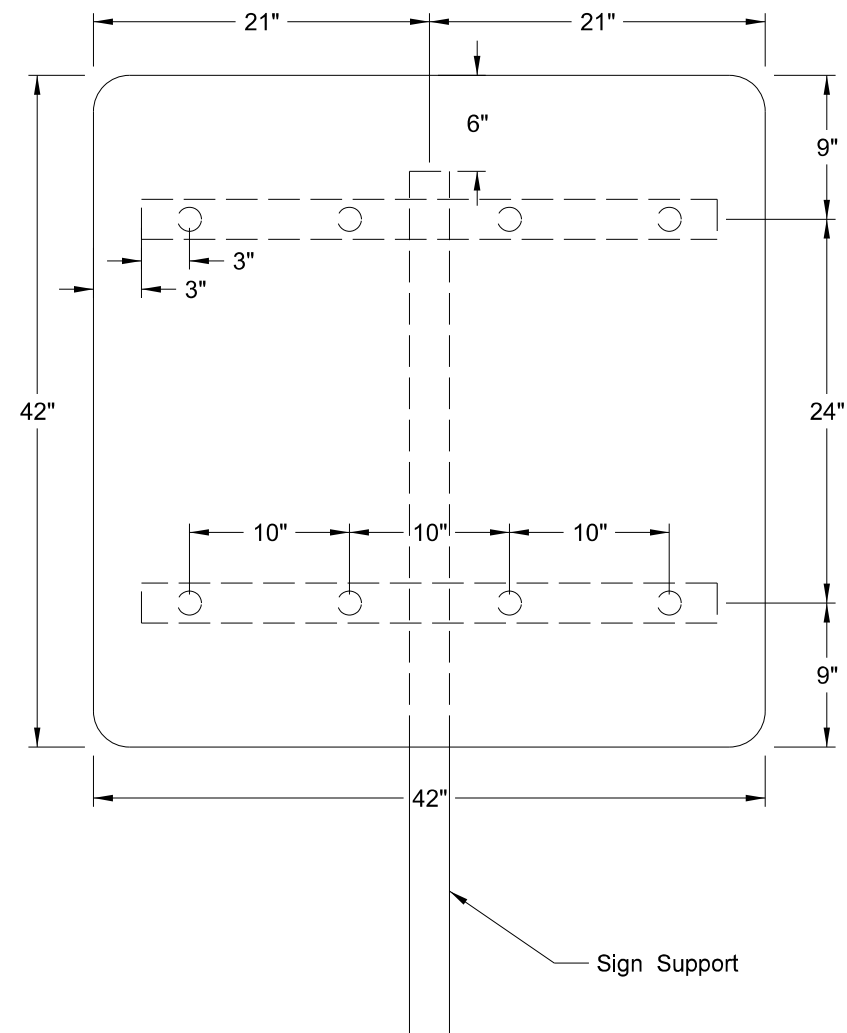


LETTER POSITION (X)													LENGTH	SIZE	SERIES	
H	i	s	t	o	r	i	c	S	i	t	e			62.2	6/4.9	ClearviewHwy-5-W
16.9	23.7	26.8	32	36.5	43.2	47.5	50.9	54.9	61.1	67.2	70.1	74.7				
K	i	l	l	d	e	e	r							38.8	6/4.9	ClearviewHwy-5-W
8.5	14.7	18.3	22	25.4	31.8	38	44.5									
B	a	t	t	l	e	f	i	e	l	d	8			65.9	6/4.9	ClearviewHwy-5-W
8.5	14.7	20.5	24.6	29.4	32.9	38.8	43.3	46.6	53.1	56.6	69.9					

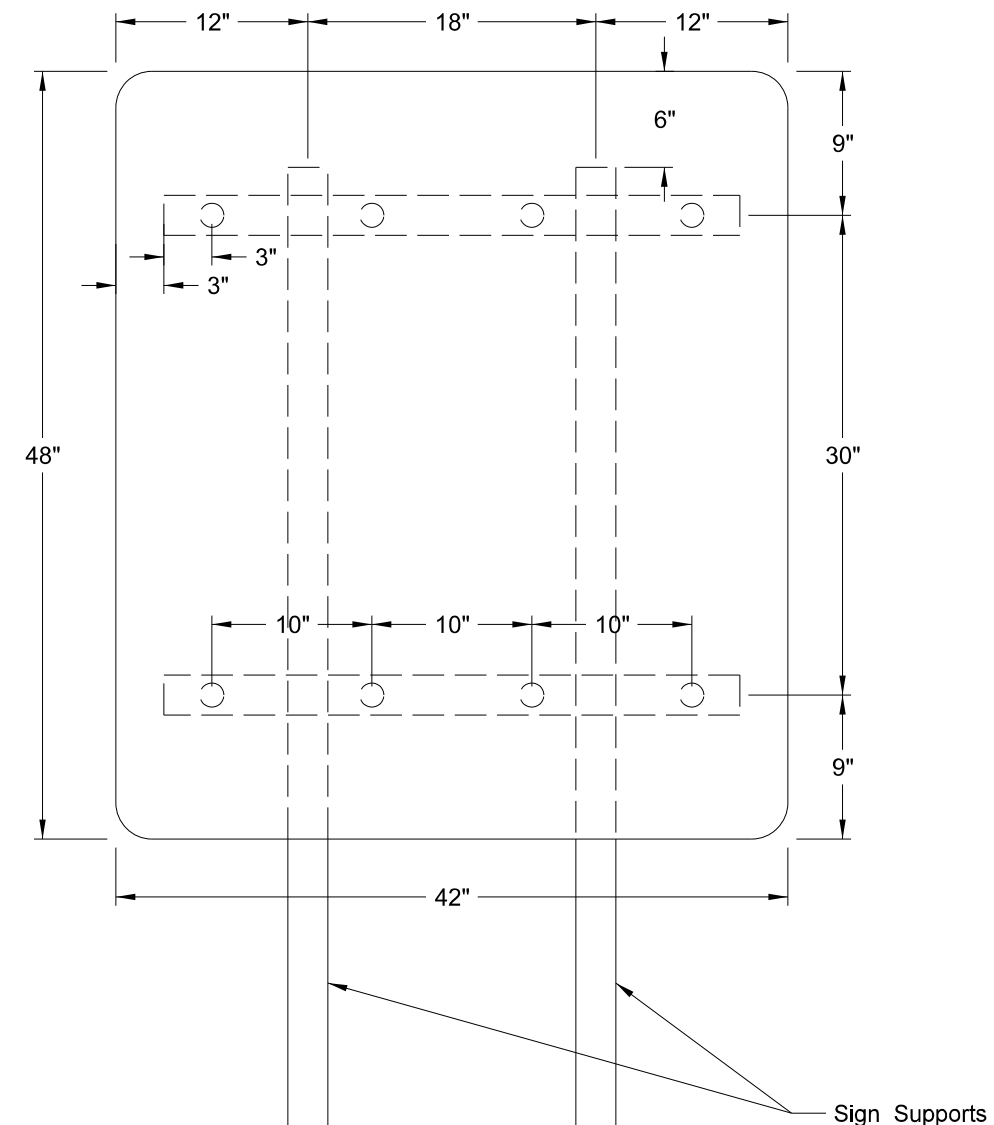
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ND Hwy 200  
Sign Details

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	SOIB-5-200(024)075	110	36



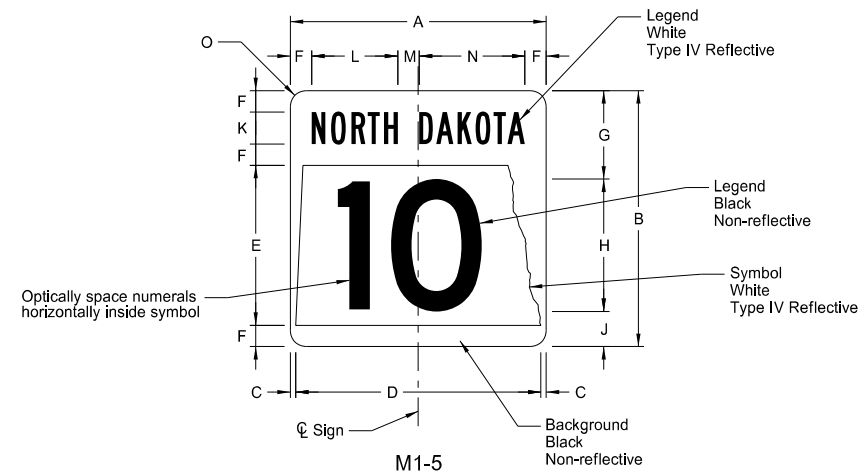
Special Assembly A  
Design Area: 12.25 SF



Special Assembly B  
Design Area: 14.00 SF

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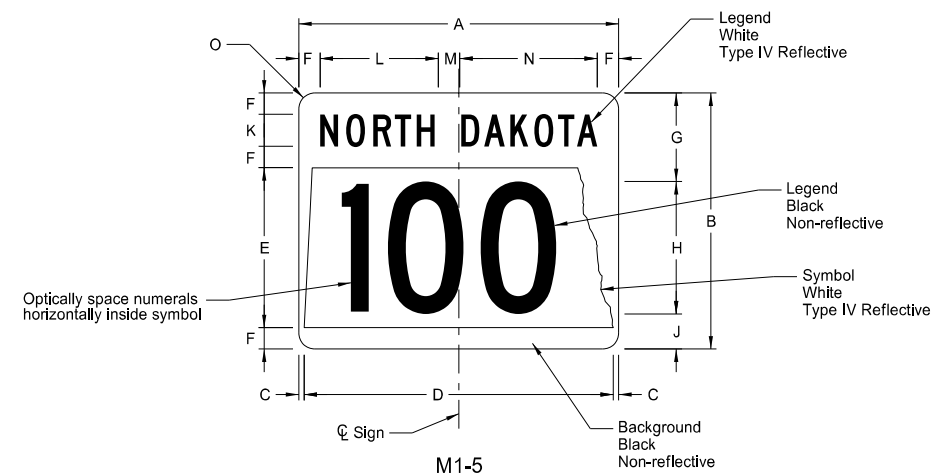
ND Hwy 200  
Special Assembly A & B



STATE ROUTE MARKER

SIGN	DIMENSION (INCHES)													
	A	B	C	D	E	F	G	H	J	K	L	M	N	O
1, 2 digits	18*	18*	0.38	17.25	11.25	1.5	6.38	9 D**	2.63	2.25 B	6.1	1.5	7.4	1.5
1, 2 digits	24	24	0.5	23	15	2	8.5	12 D**	3.5	3 B	8.1	2	9.9	1.5
1, 2 digits	36	36	0.75	34.5	22.5	3	12.75	18 D**	5.25	4.5 B	12.1	3	14.9	2.25
1, 2 digits	48*	48*	1	46	30	4	17	24 D**	7	6 B	16.2	4	19.8	3

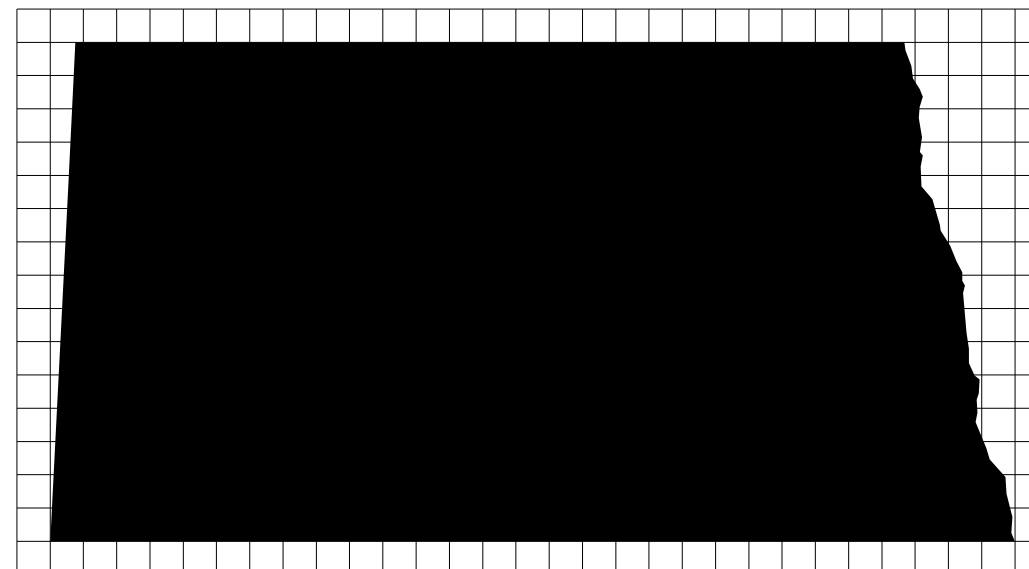
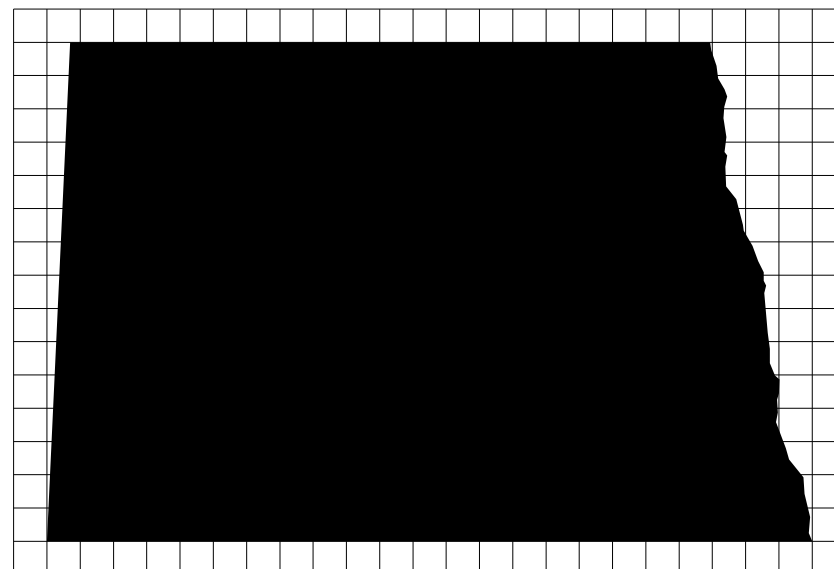
\* Size not for independent use (only for use within a guide sign)  
 \*\* Reduce numeral spacing by 25%



STATE ROUTE MARKER

SIGN	DIMENSION (INCHES)													
	A	B	C	D	E	F	G	H	J	K	L	M	N	O
3 digits	18*	24*	1.13	21.75	11.25	1.5	6.38	9 C**	2.63	2.25 C	8.8	2	10.2	1.5
3 digits	24	30	0.5	29	15	2	8.5	12 C**	3.5	3 C	10.7	2.5	12.8	1.5
3 digits	36	45	0.75	43.5	22.5	3	12.75	18 C**	5.25	4.5 C	16.1	3.8	19.1	2.25
3 digits	48*	60*	1	58	30	4	17	24 C**	7	6 C	21.5	5	25.5	3
4 digits	18*	24*	1.13	21.75	11.25	1.5	6.38	9 B***	2.63	2.25 C	8.8	2	10.2	1.5
4 digits	24	30	0.5	29	15	2	8.5	12 B***	3.5	3 C	10.7	2.5	12.8	1.5
4 digits	36	45	0.75	43.5	22.5	3	12.75	18 B***	5.25	4.5 C	16.1	3.8	19.1	2.25
4 digits	48*	60*	1	58	30	4	17	24 B***	7	6 C	21.5	5	25.5	3

\* Size not for indecent use (only for use within a guide sign)  
 \*\* Reduce numeral spacing by 25%  
 \*\*\* Reduce numeral spacing by 50%



Note: North Dakota symbol graphics file can be obtained from the Design Division of North Dakota Department of Transportation.

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ND Highway Shield Details for  
 Route Markers and Guide Signs

EPOXY 4IN WHITE STRIPE				
Station to		Station		Quantity
3964+73	Lt	4180+33 R 3	Lt	21589 LF
3964+78	Rt	4180+18 R 3	Rt	21567 LF
4180+47	Rt	4236+99	Rt	5651 LF
4180+63	Lt	4237+00	Lt	5637 LF
4237+91	Lt	4343+50	Lt	10567 LF
4237+92	Rt	4343+50	Rt	10552 LF
4344+35	Lt	4554+27	Lt	20992 LF
4344+35	Rt	4554+27	Rt	20994 LF
4555+11	Lt	4659+79	Lt	10469 LF
4555+11	Rt	4659+80	Rt	10469 LF
4660+63	Rt	4712+58	Rt	5196 LF
4660+63	Lt	4712+59	Lt	5196 LF
4713+42	Rt	4918+34	Rt	20492 LF
4713+43	Lt	4918+34	Lt	20492 LF
4930+09	Rt	5024+52	Rt	9443 LF
4930+09	Lt	5024+52	Lt	9443 LF
TOTAL				208749 LF

EPOXY 4IN WHITE DOTTED EXTENSION				
Station to		Station		Quantity
4010+10	CL	4017+90	Rt	195 LF
4217+30	Lt	4225+10	CL	195 LF
4356+34	CL	4364+14	Rt	195 LF
4534+47	Lt	4542+27	CL	195 LF
4725+43	CL	4733+23	Rt	195 LF
4903+95	Lt	4911+75	CL	195 LF
TOTAL				1170 LF

EPOXY 4IN WHITE STRIPE CENTERLINE				
Station to		Station		Quantity
4017+90	Rt	1064+79 R 2	Rt	2285 LF
4180+58	Lt	4217+30	Lt	918 LF
4364+14	Rt	4441+00	Rt	1922 LF
4458+00	Lt	4534+47	Lt	1912 LF
4733+23	Rt	4809+58	Rt	1909 LF
4827+57	Lt	4903+97	Lt	1910 LF
4127+33 R 3	Lt	4180+28 R 3	Lt	1324 LF
TOTAL				12180 LF

EPOXY 4IN YELLOW STRIPE CENTERLINE				
Station to		Station		Quantity
3977+18	CL	4005+10	Rt	698 LF
4254+90	CL	4279+68	CL	620 LF
4305+14	CL	4326+50	CL	534 LF
4572+11	CL	4581+68	CL	239 LF
4585+71	CL	4592+68	CL	174 LF
4596+71	CL	4605+78	CL	227 LF
4632+02	CL	4642+79	CL	269 LF
4967+47	CL	4985+68	CL	455 LF
5003+03	CL	5016+40	CL	334 LF
TOTAL				3550 LF

EPOXY 4IN YELLOW STRIPE BARRIER				
Station to		Station		Quantity
3964+74	CL	3977+18	CL	2488 LF
4005+10	CL	4180+23 R 3	CL	35020 LF
4180+53	CL	4237+00	Lt	11294 LF
4237+92	Rt	4254+90	CL	3394 LF
4244+21	Rt	4249+90	Lt	1140 LF
4290+68	CL	4294+14	CL	692 LF
4326+50	CL	4343+50	Lt	3402 LF
4331+50	CL	4337+20	Lt	1140 LF
4344+34	Rt	4554+27	Lt	41984 LF
4350+64	Rt	4356+34	CL	1140 LF
4542+27	CL	4547+97	Lt	1140 LF
4555+11	Rt	4572+11	CL	3400 LF
4561+41	Rt	4567+11	Lt	1140 LF
4616+78	CL	4621+02	CL	848 LF
4642+79	CL	4659+79	Lt	3400 LF
4647+79	CL	4653+49	Lt	1142 LF
4660+63	Rt	4677+96	CL	3466 LF
4666+93	Rt	4672+63	Lt	1140 LF
4693+88	CL	4712+48	Lt	3720 LF
4700+58	CL	4706+28	Lt	1140 LF
4712+48	Lt	4712+59	Lt	22 LF
4713+42	Rt	4918+34	CL	40984 LF
4719+73	Rt	4725+43	Lt	1140 LF
4930+09	CL	4936+59	CL	1300 LF
4936+59	CL	4941+59	CL	1000 LF
4950+97	CL	4956+47	CL	1100 LF
4992+03	CL	4996+67	CL	928 LF
5016+40	CL	5024+52	CL	1624 LF
TOTAL				170328 LF

EPOXY 4IN YELLOW STRIPE BARRIER WITH LEFT CENTERLINE				
Station to		Station		Quantity
4279+68	CL	4290+68	CL	1375 LF
4581+68	CL	4585+71	CL	504 LF
4605+78	CL	4616+78	CL	1375 LF
4677+96	CL	4693+88	CL	1990 LF
4941+59	CL	4950+97	CL	1173 LF
4985+68	CL	4992+03	CL	794 LF
TOTAL				7211 LF

EPOXY 4IN YELLOW STRIPE BARRIER WITH RIGHT CENTERLINE				
Station to		Station		Quantity
4294+14	CL	4305+14	CL	1375 LF
4592+68	CL	4596+71	CL	504 LF
4621+02	CL	4632+02	CL	1375 LF
4956+47	CL	4967+47	CL	1375 LF
4996+67	CL	5003+03	CL	795 LF
TOTAL				5424 LF

EPOXY 8IN WHITE STRIPE				
Station to		Station		Quantity
3964+55	Rt	3964+56	Rt	75 LF
3964+56	Rt	3965+11	Rt	78 LF
3964+56	Rt	3965+11	Rt	55 LF
3964+57	Lt	3964+57	Lt	51 LF
3964+57	Lt	3970+38	Lt	581 LF
3964+57	Lt	3965+10	Lt	74 LF
4230+69	Rt	4236+99	Rt	630 LF
4237+91	Lt	4243+19	Lt	530 LF
4237+91	Lt	4244+20	Lt	629 LF
4337+20	Rt	4343+50	Rt	630 LF
4344+35	Lt	4350+64	Lt	630 LF
4547+97	Rt	4554+27	Rt	630 LF
4555+11	Lt	4560+41	Lt	530 LF
4555+11	Lt	4561+41	Lt	630 LF
4653+49	Rt	4659+80	Rt	631 LF
4660+63	Lt	4666+93	Lt	630 LF
4706+28	Rt	4712+58	Rt	630 LF
4713+43	Lt	4718+73	Lt	530 LF
4713+43	Lt	4719+73	Lt	630 LF
TOTAL				8804 LF

EPOXY 24IN WHITE STRIPE				
Station to		Station		Quantity
3964+72	Lt	3964+87	Lt	20 LF
3964+75	Lt	3964+75	Lt	11 LF
TOTAL				31 LF

EPOXY LANE DROP ARROW				
Station to		Station		Quantity
4440+81	Rt	4440+99	Rt	41 SF
4446+81	Rt	4446+99	Rt	41 SF
4452+01	Lt	4452+19	Lt	41 SF
4458+00	Lt	4458+18	Lt	41 SF
4809+39	Rt	4809+57	Rt	41 SF
4815+39	Rt	4815+57	Rt	41 SF
4821+58	Lt	4821+76	Lt	41 SF
4827+57	Lt	4827+75	Lt	41 SF
1076+76 R 2	Lt	1076+95 R 2	Lt	41 SF
4127+33 R 3	Lt	4127+52 R 3	Lt	41 SF
1070+59 R 2	Rt	1070+78 R 2	Rt	41 SF
1064+61 R 2	Rt	1064+79 R 2	Rt	41 SF
TOTAL				492 SF

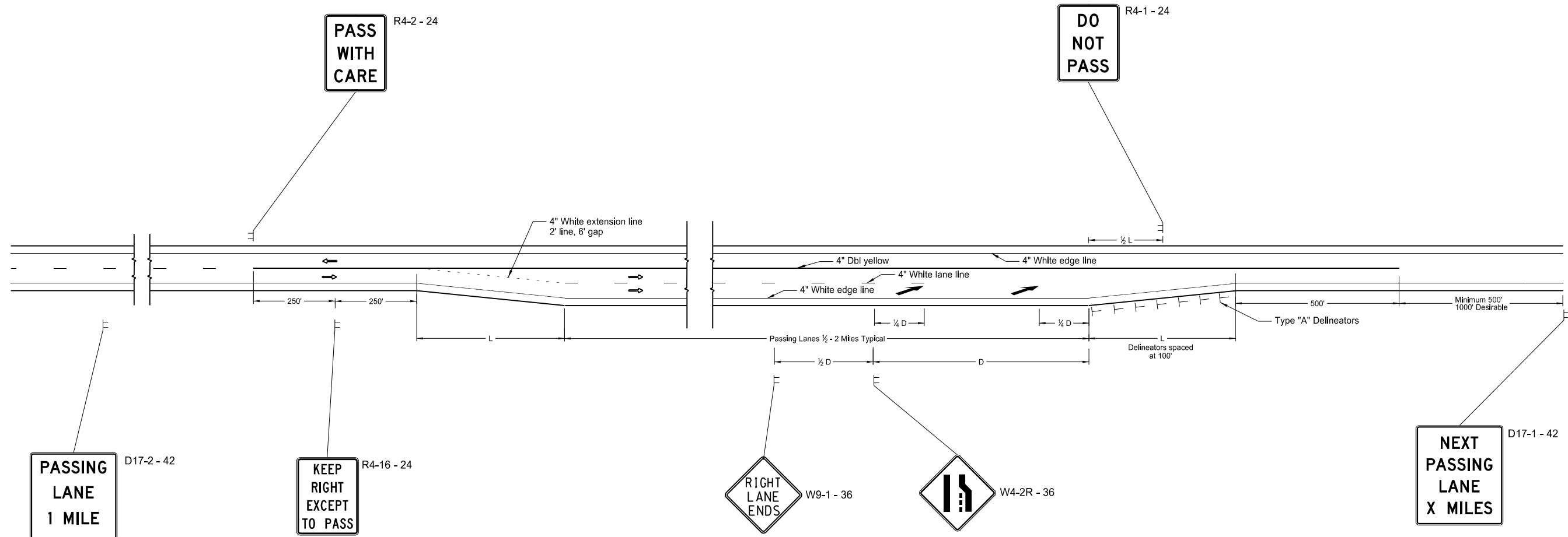
EPOXY LEFT TURN ARROWS			
Station			Quantity
4230+69	Rt		16 SF
4231+21	Rt		16 SF
4233+84	Rt		16 SF
4241+06	Lt		16 SF
4243+69	Lt		16 SF
4244+21	Lt		16 SF
4337+20	Rt		16 SF
4337+72	Rt		16 SF
4340+35	Rt		16 SF
4347+49	Lt		16 SF
4350+12	Lt		16 SF
4350+64	Lt		16 SF
4547+97	Rt		16 SF
4548+49	Rt		16 SF
4551+12	Rt		16 SF
4558+26	Lt		16 SF
4560+89	Lt		16 SF
4561+41	Lt		16 SF
4653+49	Rt		16 SF
4654+01	Rt		16 SF
4656+65	Rt		16 SF
4663+78	Lt		16 SF
4666+41	Lt		16 SF
4666+93	Lt		16 SF
4706+28	Rt		16 SF
4706+80	Rt		16 SF
4709+43	Rt		16 SF
4716+58	Lt		16 SF
4719+21	Lt		16 SF
4719+73	Lt		16 SF
TOTAL			480 SF

EPOXY RIGHT TURN ARROWS			
Station			Quantity
3967+47	Lt		16 SF
3969+86	Lt		16 SF
3970+38	Lt		16 SF
4240+55	Lt		16 SF
4242+68	Lt		16 SF
4243+19	Lt		16 SF
4557+76	Lt		16 SF
4559+89	Lt		16 SF
4560+41	Lt		16 SF
4716+08	Lt		16 SF
4718+20	Lt		16 SF
4718+72	Lt		16 SF
TOTAL			192 SF

QUANTITY SUMMARY				
SPEC	CODE	DESCRIPTION	QUANTITY	UNIT
762	112	EPOXY PVMT MK MESSAGE	1164	SF
762	113	EPOXY PVMT MK 4IN LINE	408612	LF
762	115	EPOXY PVMT MK 8IN LINE	8804	LF
762	117	EPOXY PVMT MK 24IN LINE	31	LF

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ND Hwy 200  
Pavement Marking  
Locations & Quantities



Passing Areas	
(Eastbound)	(Westbound)
Sta 4017+90 to 1064+80	Sta 4127+30 to 4217+32
Sta 4364+14 to 4440+99	Sta 4458+00 to 4534+47
Sta 4733+23 to 4809+57	Sta 4903+95 to 4827+57

Distance Table		
Posted or 85th Percentile Speed	Distance "D" (ft)	Distance "L" (ft)
65	1200	L = WS

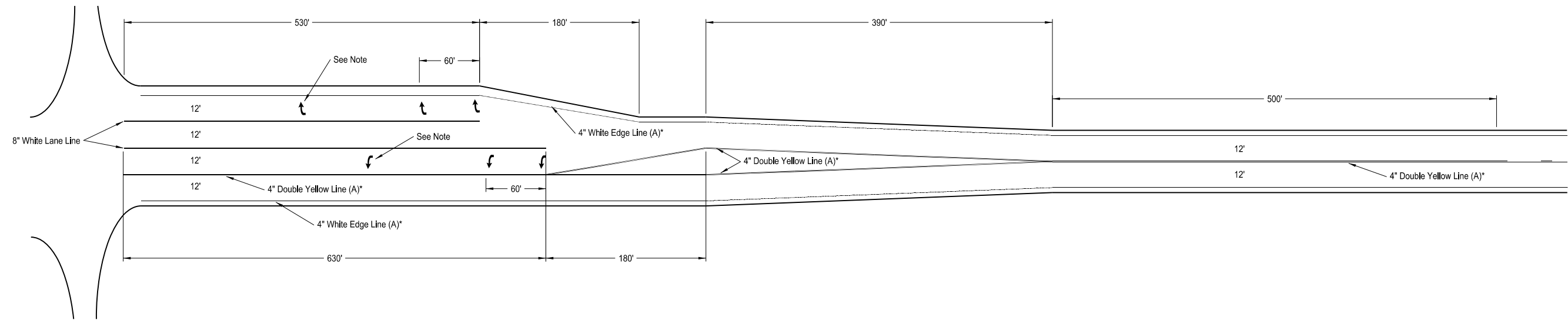
W = Width of Offset (ft)  
S = Posted Speed (mph)

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ND Hwy 200  
 Passing Areas

Note:  
 (A)\* Center lane lines and edge line quantities indicated (A)\* are shown in section 120, sheet 1

If turning lane length is greater than 300' a third arrow shall be placed beginning at 1/2 length of turn lane



Right Turn Lanes		Left Turn Lanes	
(Eastbound)	(Westbound)	(Eastbound)	(Westbound)
	Sta 3964+57 to 3970+38	Sta 4230+69 to 4236+99	Sta 4237+91 to 4244+20
	Sta 4237+91 to 4243+19	Sta 4337+20 to 4343+50	Sta 4344+35 to 4350+64
	Sta 4555+11 to 4560+41	Sta 4547+97 to 4554+27	Sta 4555+11 to 4561+41
	Sta 4713+43 to 4718+73	Sta 4653+49 to 4659+80	Sta 4660+63 to 4666+93
		Sta 4706+28 to 4712+58	Sta 4713+43 to 4719+73
EPOXY PVMT MK-MESSAGE RT TURN ARROWS (12) <span style="float: right;">192 SF</span>		EPOXY PVMT MK-MESSAGE RT TURN ARROWS (30) <span style="float: right;">480 SF</span>	

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ND Hwy 200  
 Typical Turning Lanes  
 Marking Detail

Light Standard Foundation Selection Table		
Description	Footing Depth "D"	
	24" or 30" Diameter (ft)	36" or 42" Diameter (ft)
40' Mounting Height (12' Single Mast Arm)	6	5

NOTES FOR LIGHT STANDARD FOUNDATIONS:

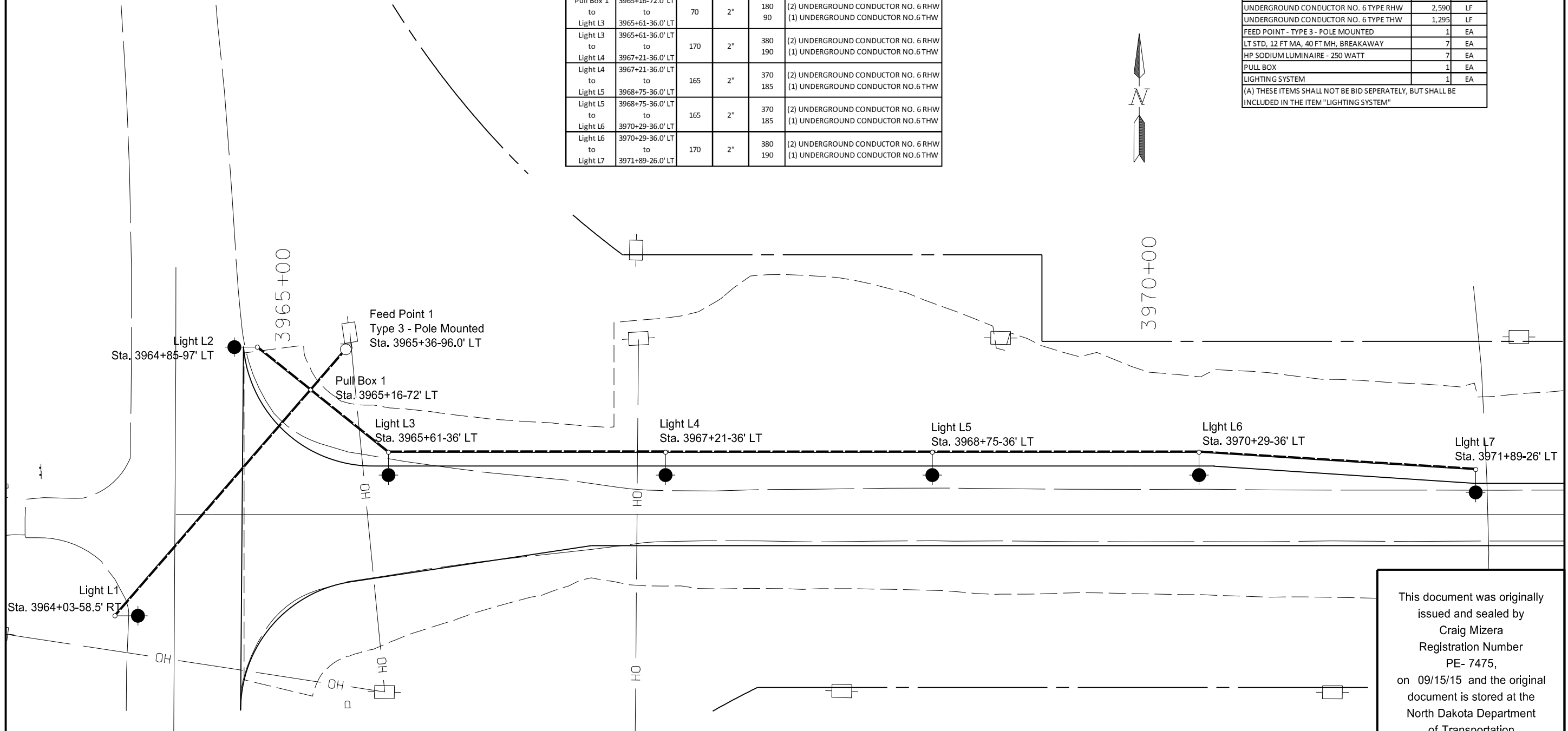
- See Standard Drawing D-770-1 for additional foundation information.

LIGHTING CABLE & CONDUIT SCHEDULE					
ITEM	STATION OFFSET	CONDUIT RUN		CABLE RUN	
		TOTAL LF	SIZE (IN)	TOTAL LF	SIZE/TYPE
Feed Point 1 to Pull Box 1	3965+36-96.0' LT to 3965+16-72.0' LT	40	3"	360	(6) UNDERGROUND CONDUCTOR NO. 6 RHW (3) UNDERGROUND CONDUCTOR NO. 6 THW
Pull Box 1 to Light L1	3965+16-72.0' LT to 3964+03-58.5' RT	185	2"	410	(2) UNDERGROUND CONDUCTOR NO. 6 RHW (1) UNDERGROUND CONDUCTOR NO. 6 THW
Pull Box 1 to Light L2	3965+16-72.0' LT to 3964+85-97.0' LT	50	2"	140	(2) UNDERGROUND CONDUCTOR NO. 6 RHW (1) UNDERGROUND CONDUCTOR NO. 6 THW
Pull Box 1 to Light L3	3965+16-72.0' LT to 3965+61-36.0' LT	70	2"	180	(2) UNDERGROUND CONDUCTOR NO. 6 RHW (1) UNDERGROUND CONDUCTOR NO. 6 THW
Light L3 to Light L4	3965+61-36.0' LT to 3967+21-36.0' LT	170	2"	380	(2) UNDERGROUND CONDUCTOR NO. 6 RHW (1) UNDERGROUND CONDUCTOR NO. 6 THW
Light L4 to Light L5	3967+21-36.0' LT to 3968+75-36.0' LT	165	2"	370	(2) UNDERGROUND CONDUCTOR NO. 6 RHW (1) UNDERGROUND CONDUCTOR NO. 6 THW
Light L5 to Light L6	3968+75-36.0' LT to 3970+29-36.0' LT	165	2"	370	(2) UNDERGROUND CONDUCTOR NO. 6 RHW (1) UNDERGROUND CONDUCTOR NO. 6 THW
Light L6 to Light L7	3970+29-36.0' LT to 3971+89-26.0' LT	170	2"	380	(2) UNDERGROUND CONDUCTOR NO. 6 RHW (1) UNDERGROUND CONDUCTOR NO. 6 THW

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Lighting Quantities (A)		
DESCRIPTION	QUANTITY	UNIT
CONCRETE FOUNDATION - HIGHWAY LIGHTING	7	EA
2" DIAMETER RIGID CONDUIT	975	LF
3" DIAMETER RIGID CONDUIT	40	LF
UNDERGROUND CONDUCTOR NO. 6 TYPE RHW	2,590	LF
UNDERGROUND CONDUCTOR NO. 6 TYPE THW	1,295	LF
FEED POINT - TYPE 3 - POLE MOUNTED	1	EA
LT STD, 12 FT MA, 40 FT MH, BREAKAWAY	7	EA
HP SODIUM LUMINAIRE - 250 WATT	7	EA
PULL BOX	1	EA
LIGHTING SYSTEM	1	EA

(A) THESE ITEMS SHALL NOT BE BID SEPARATELY, BUT SHALL BE INCLUDED IN THE ITEM "LIGHTING SYSTEM"

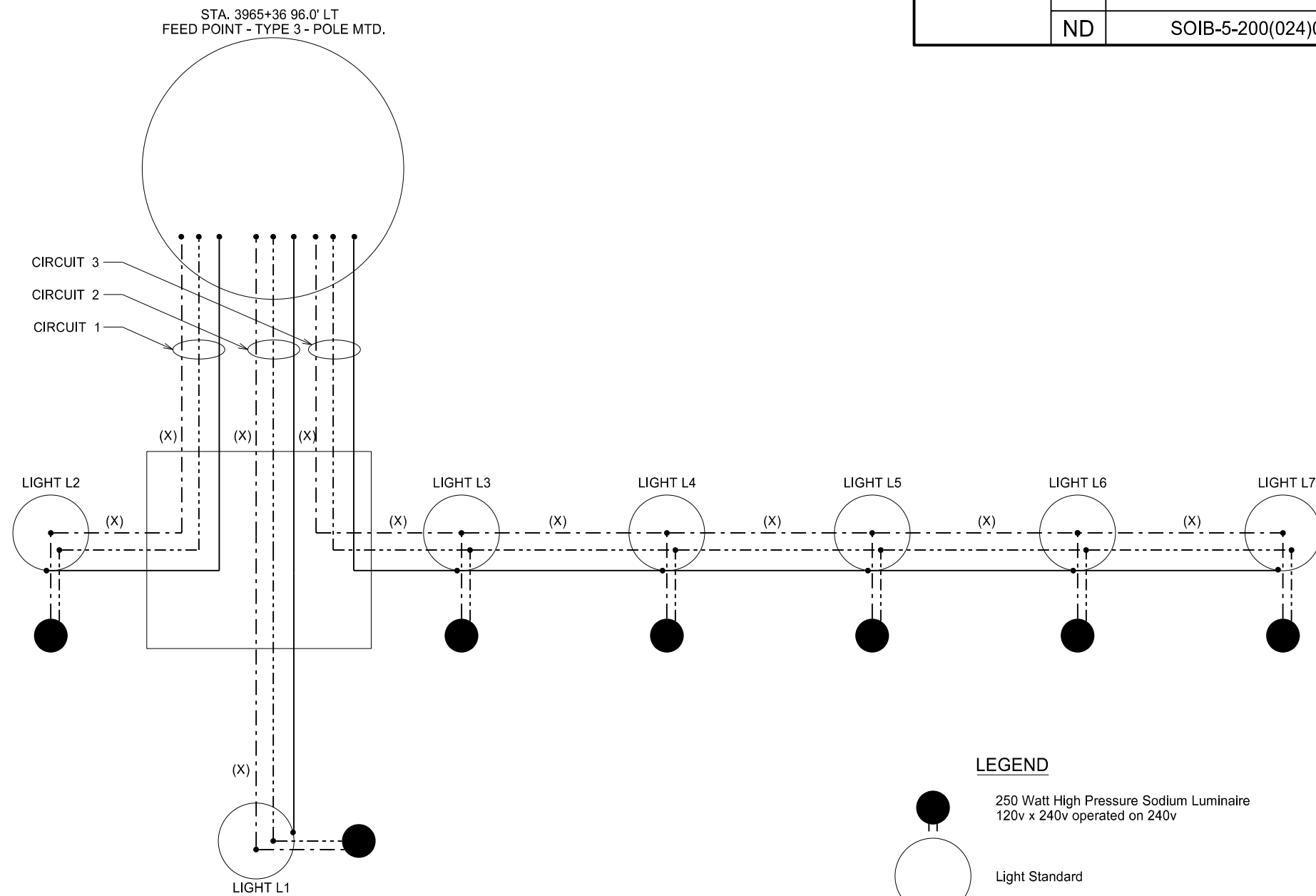


LIGHT STANDARD SCHEDULE								
LIGHT NUMBER	WATTS/TYPE	OPTICS	STANDARDS			No. 12 AWG Cable	Circuit	REMARKS
			TYPE	MT. HT.	ARM LG.			
L1	250W HPS	MSC III	GALVANIZED	40'	12'	60'	2	BREAKAWAY BASE
L2	250W HPS	MSC III	GALVANIZED	40'	12'	60'	1	BREAKAWAY BASE
L3	250W HPS	MSC III	GALVANIZED	40'	12'	60'	3	BREAKAWAY BASE
L4	250W HPS	MSC II	GALVANIZED	40'	12'	60'	3	BREAKAWAY BASE
L5	250W HPS	MSC II	GALVANIZED	40'	12'	60'	3	BREAKAWAY BASE
L6	250W HPS	MSC II	GALVANIZED	40'	12'	60'	3	BREAKAWAY BASE
L7	250W HPS	MSC II	GALVANIZED	40'	12'	60'	3	BREAKAWAY BASE


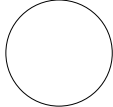

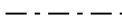
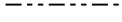

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ND Hwy 200  
 McKenzie County  
 Lighting Layout

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**LEGEND**

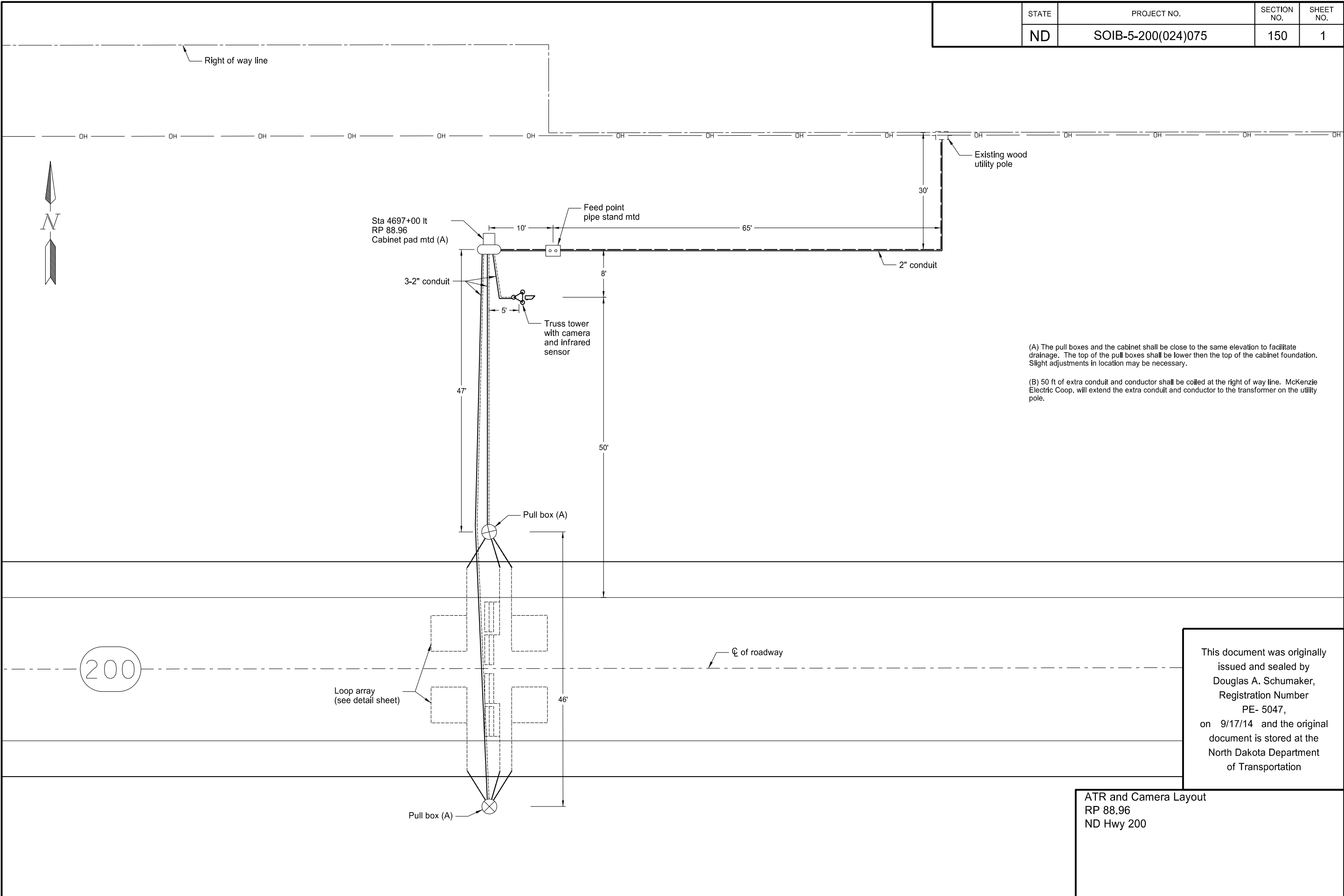
-  250 Watt High Pressure Sodium Luminaire  
120v x 240v operated on 240v
-  Light Standard
- 7 Light Standard Number
-  Pull Box
-  Phase Conductor
-  Phase Conductor
-  Ground
- (X) (2) No 6 RHW  
(1) No 6 THW

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ND Hwy 200  
 Lighting Schematic



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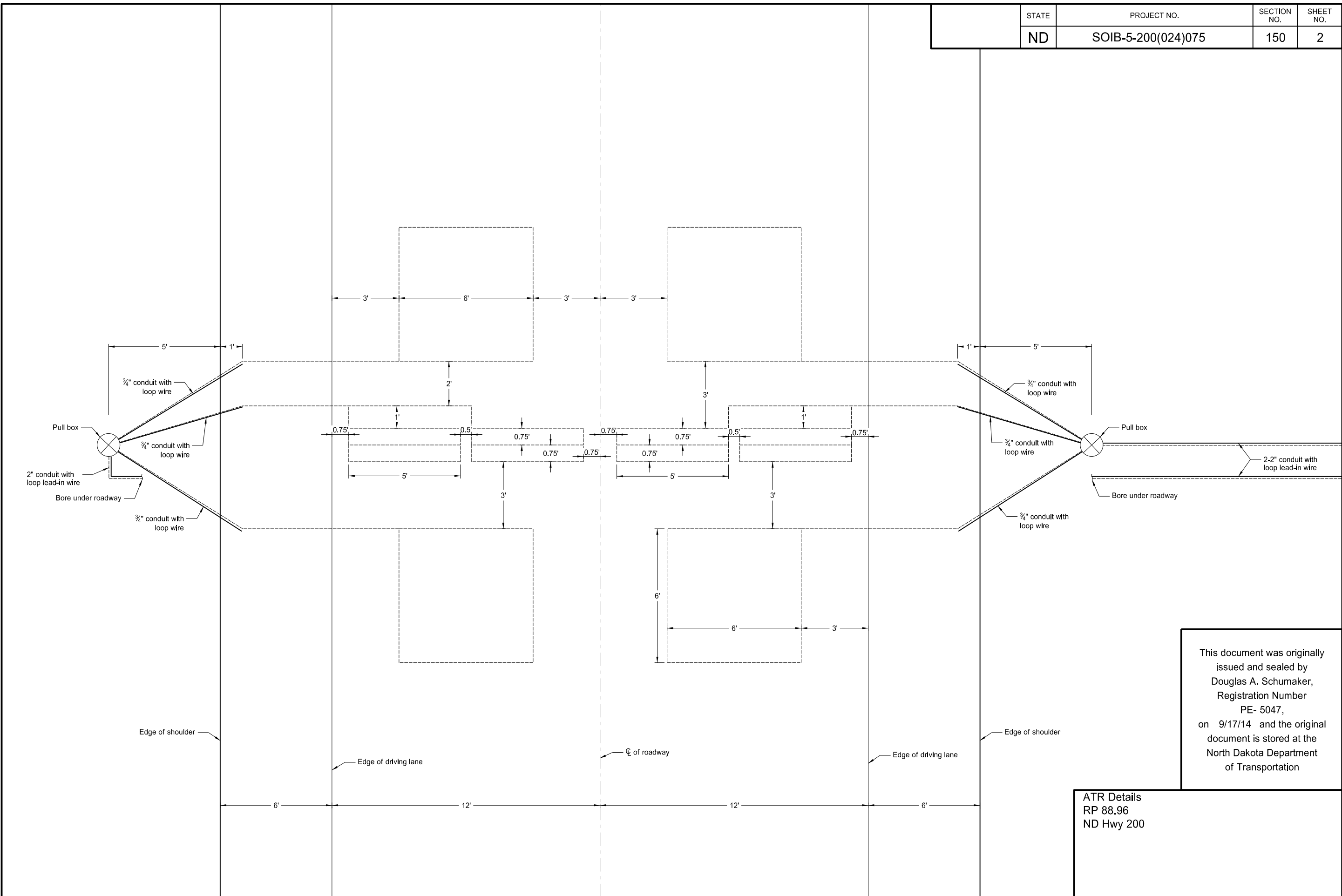
(A) The pull boxes and the cabinet shall be close to the same elevation to facilitate drainage. The top of the pull boxes shall be lower than the top of the cabinet foundation. Slight adjustments in location may be necessary.

(B) 50 ft of extra conduit and conductor shall be coiled at the right of way line. McKenzie Electric Coop. will extend the extra conduit and conductor to the transformer on the utility pole.

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ATR and Camera Layout  
 RP 88.96  
 ND Hwy 200

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ND	SOIB-5-200(024)075	150	2



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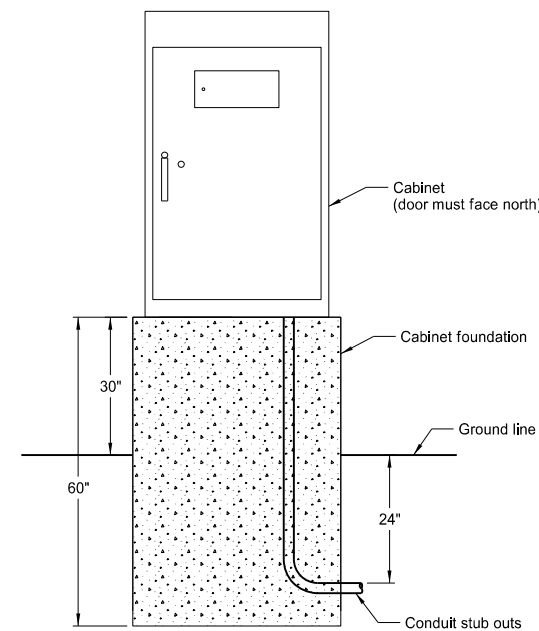
ATR Details  
 RP 88.96  
 ND Hwy 200

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	150	3

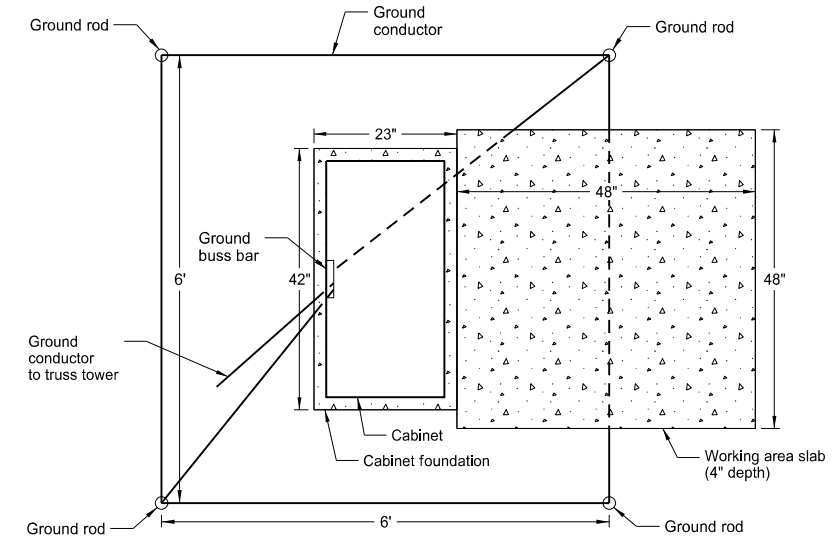
Quantities (A)		
PVC Pull Box	EA	2
Underground Conductor No 4 Type RHW (B)	LF	370
Underground Conductor No 6 Type THW (B)	LF	185
Shielded Twisted Pair Loop Lead-In Wire 14 AWG XHHW	LF	680
Conductor Loop Wire 14 AWG XHHW (C)	LF	1008
Saw Slot and Sealant for Loops	LF	233
3/4 Inch Diameter Rigid HDPE Conduit	LF	48
2 Inch Diameter Rigid HDPE Conduit (D)	LF	369
PEEK ADR 6000 Traffic Counter/Classifier with all necessary cabling plus IDRIS License	EA	1
NEMA Type 3R Ground Mounted Cabinet including AC Power Panel and Sensor Surge Boards	EA	1
GFCI/Duplex Receptacles (3), Battery Backup, Thermostatically Controlled Fan	EA	1
Telephone with Surge Protection	EA	1
4G Cellular Modem with all necessary cabling including ethernet and power cables	EA	1
Video Verification and Validation	EA	1
PEEK Representative Oversight	EA	1
30 Day Monitoring Period	EA	1
Concrete ATR Cabinet Foundation with working slab and grounding system	EA	1
Feed Point- Pipe Stand Mounted including switch box, meter trim, 2 inch perf. tube, and concrete slab	EA	1

Automatic Traffic Recorder System	EA	1
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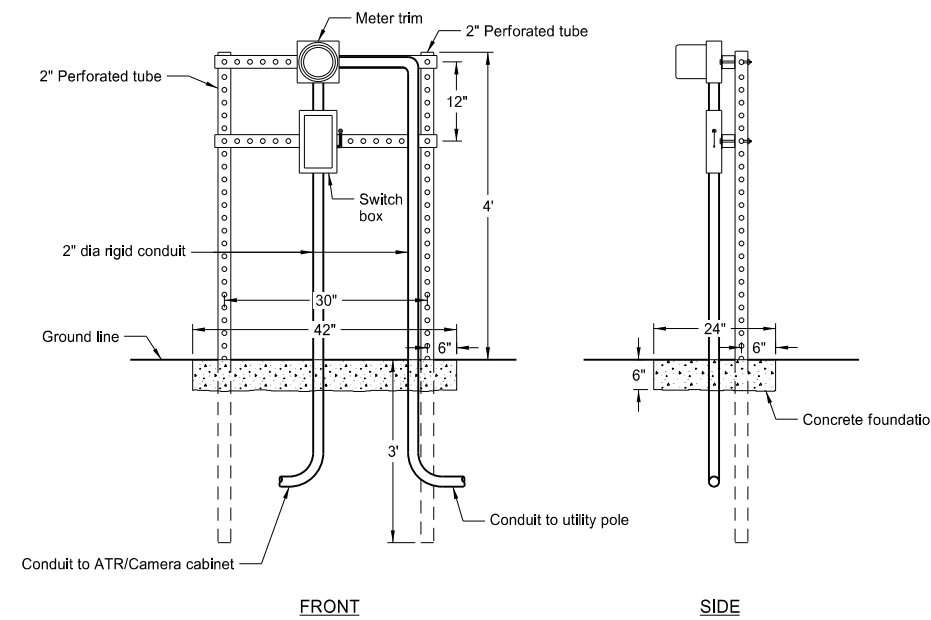
- (A) These quantities shall be included in the price bid for the item "Automatic Traffic Recorder System".
- (B) 2 No 4 and 1 No 6 conductors are provided to extend from the ATR/Camera cabinet to the feed point and from the feed point to the right of way line. McKenzie Electric Coop. will provide the service connection.
- (C) The Entrance and Exit loops shall be 6'x6" with 4 turns of conductor per loop. The Inner Axle loops shall be 1.5'x5" Quadrapol with 3 turns of conductor.
- (D) An extra 20 ft of conduit stub out is provided for future use. Both ends shall be capped.



ATR/Camera Cabinet with Concrete Foundation



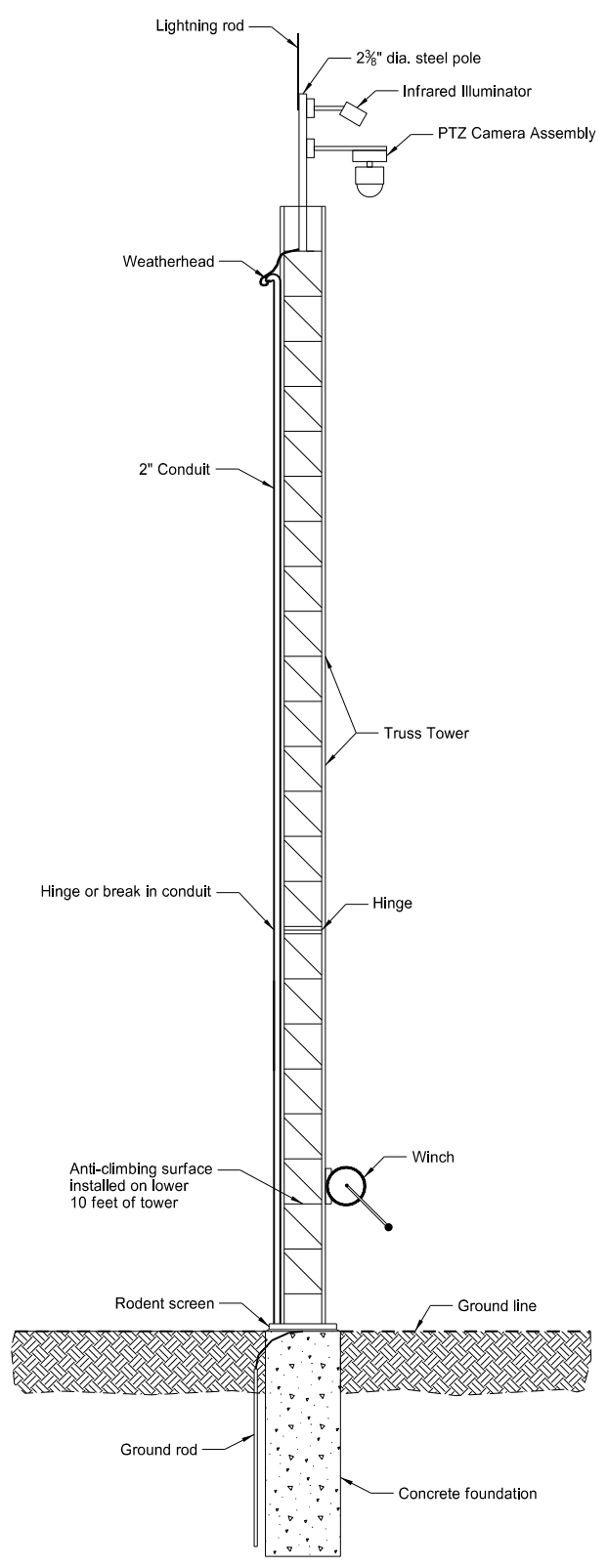
ATR/Camera Cabinet Foundation and Working Slab



Feed Point Detail with Concrete Foundation

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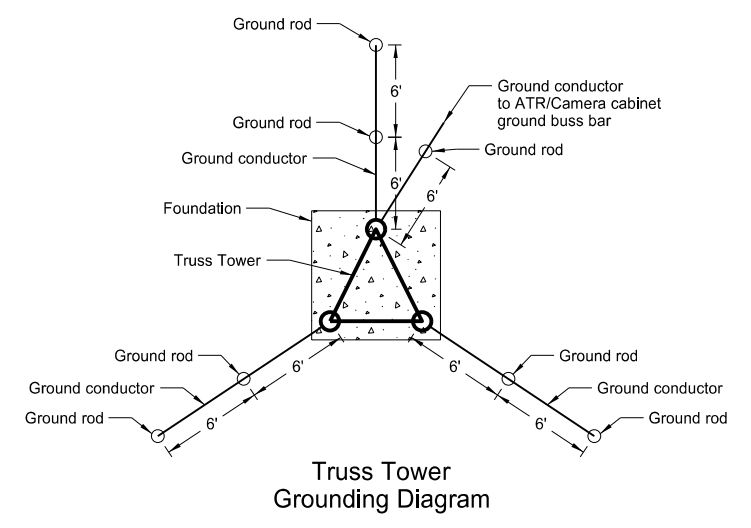
ATR Details  
RP 88.96  
ND Hwy 200



Truss Tower Detail

Quantities (A)		
2 Inch Diameter Rigid HDPE Conduit	LF	65
PTZ Camera	EA	1
OSP Cat 5e Cable (B)	LF	65
Infrared Illuminator	EA	1
No 14 AWG 2, 600V Conductor Cable (C)	LF	70
30 Foot Hinged Truss Tower (accessories to be included according to Special Provision)	EA	1
Manufacturer Field Technician	EA	1
<b>Surveillance Camera System</b>		
	EA	1

(A) These quantities shall be included in the price bid for the item "Surveillance Camera System".  
 (B) This cable will extend from the cabinet to the PTZ camera.  
 (C) This cable will extend from the cabinet to the Infrared Illuminator.

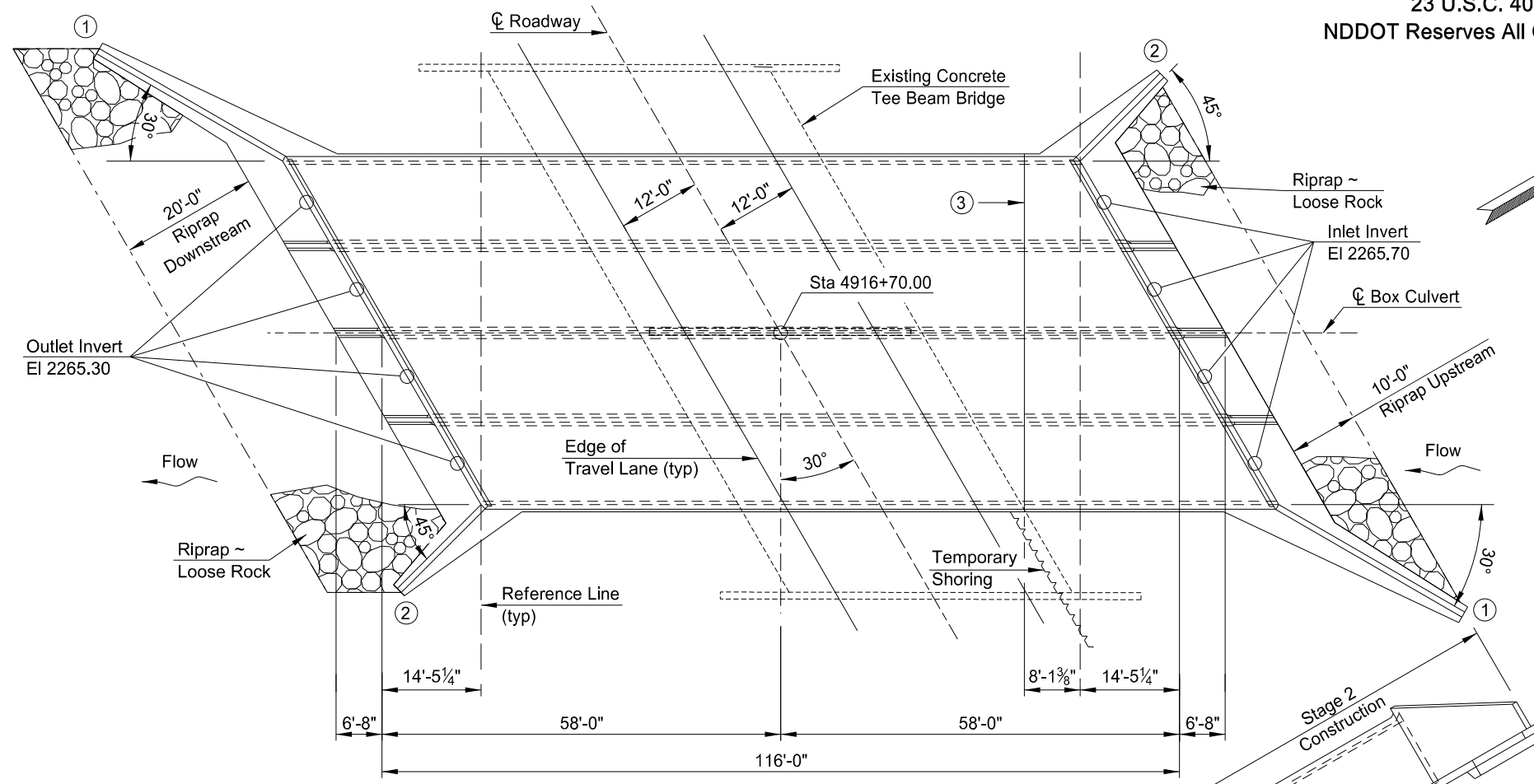


Truss Tower Grounding Diagram

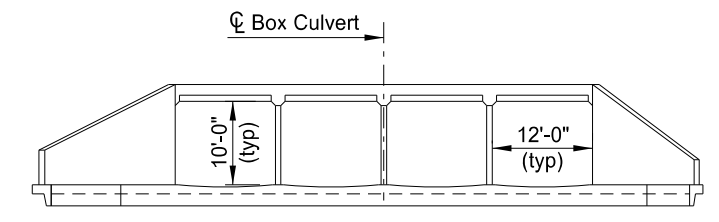
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Camera Details  
 RP 88.96  
 ND Hwy 200

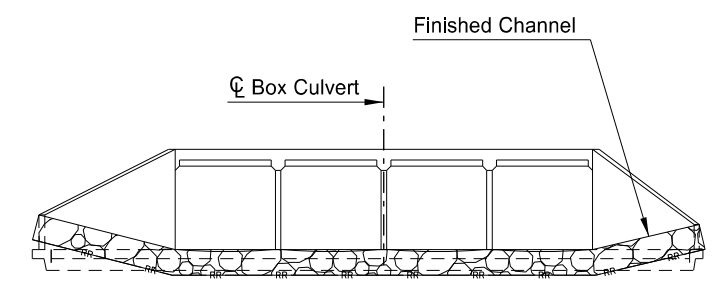
STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
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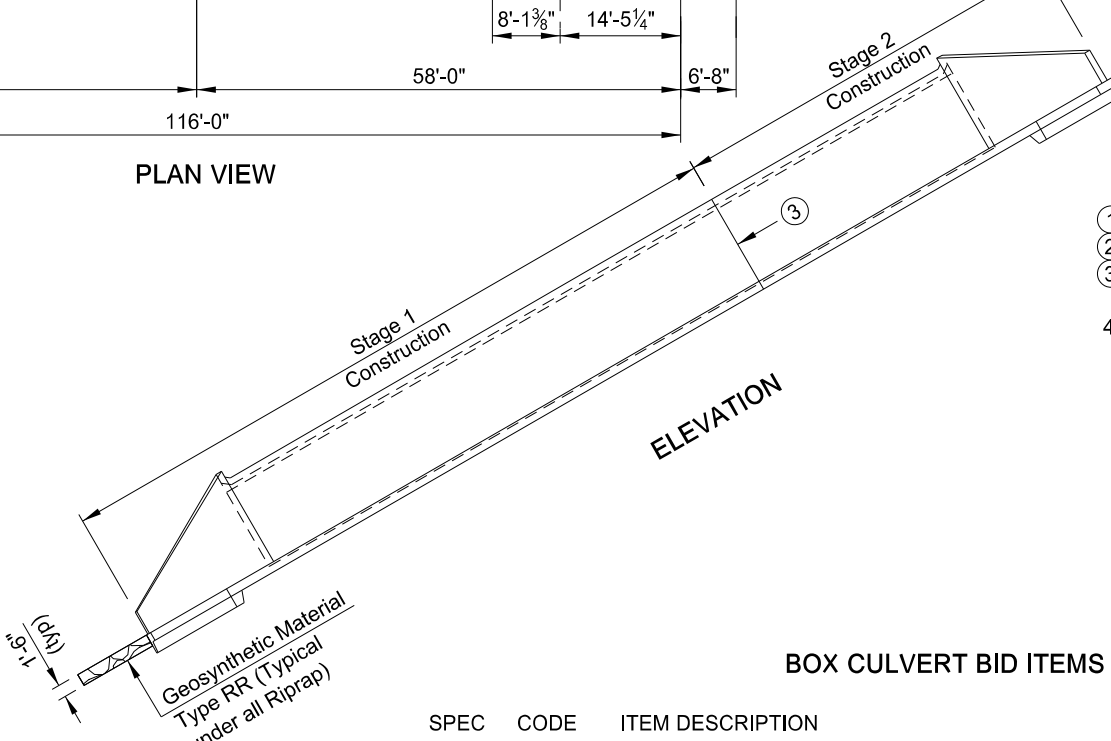
PLAN VIEW



(SHOWING DIMENSIONS)  
END VIEW



(SHOWING FINISHED SECTION)  
END VIEW



ELEVATION

NOTES:

- ① Denotes Long Wing.
- ② Denotes Short Wing.
- ③ Denotes location of Construction Joint and division between Stage 1 and Stage 2 construction.
- 4. See Section 100 of Plans for traffic phasing during Staged construction.

DESIGN STRENGTHS:

Load & Resistance Factor Design

$f'_c = 3,000$  psi ~ Class AE-3 Concrete  
 $f_y = 60,000$  psi ~ Reinforcing Steel

HYDRAULIC DATA:

Drainage Area	31.4	sq mi
Stream Gradient	0.016	ft/ft
Design Frequency	50	yr
Design Discharge	1,487	cfs
Design Headwater Stage	2274.7	ft
Design Tailwater Stage	2274.4	ft
Velocity Through Bridge	3.5	fps
100-Year Frequency Discharge	2,074	cfs
100-Year Frequency Headwater	2275.8	ft
Overtopping Stage	2,280.45	ft
Overtopping Discharge	5,400	cfs

BOX CULVERT BID ITEMS

SPEC	CODE	ITEM DESCRIPTION	UNIT	QUANTITY
			L SUM	1
202	0105	REMOVAL OF STRUCTURE	EA	1
210	0109	CLASS 2 EXCAVATION-BOX CULVERT	CY	2,100
210	0126	CHANNEL EXCAVATION	EA	1
210	0201	FOUNDATION PREPARATION	CY	1,220
210	0210	FOUNDATION FILL	CY	134
256	0200	RIPRAP-GRADE II	CY	624
602	1131	CLASS AE-3 CONCRETE-BOX CULVERT	LBS	92,040
612	0114	REINFORCING STEEL-GRADE 60-BOX CULVERT	SY	1690
709	0151	GEOSYNTHETIC MATERIAL TYPE R1	SY	268
709	0155	GEOSYNTHETIC MATERIAL TYPE RR	EA	1
930	8230	SHORING		

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**HL-93 DESIGN LOADING**  
NORTH DAKOTA  
DEPARTMENT OF TRANSPORTATION  
**SPRING CREEK OVERFLOW**  
**REINFORCED CONCRETE  
QUADRUPLE BOX CULVERT LAYOUT**  
CLEAR SPAN 4 x 12' CLEAR HEIGHT 10'  
MAXIMUM FILL 5'  
PROJECT: SOIB-5-200(024)075  
STATION: 4916+70.00  
DUNN COUNTY  
9/21/15  
DATE  
Jon Ketterling /s/  
BRIDGE ENGINEER

**NOTES**

23 U.S.C. 409  
NDDOT Reserves All Objections

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
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100 SCOPE OF WORK: Work at this site consists of removing the existing concrete T-beam bridge and building a new quadruple barrel 12' x 10' x 116' reinforced concrete box culvert.

202 REMOVAL OF STRUCTURE: The existing structure is a two-span reinforced concrete tee beam bridge. The lump sum bid item, "Removal of Structure" shall include all work required to remove this bridge.

210 FOUNDATION PREPARATION: The bidders shall be aware of the possible inundated conditions at this site before the bid letting. The cost of any cofferdams and dewatering the excavation shall be included in the bid for "Foundation Preparation".

210 EXCAVATION: All excavation required to build the box culvert shall be included in the bid for "Class 2 Excavation-Box Culvert".

210 FOUNDATION FILL: Moisture and density controls shall be in accordance with Section 203.04 E.2 of the Standard Specifications.

210 ORDINARY BACKFILL: Moisture and density controls shall be in accordance with Section 203.04 E.2 of the Standard Specifications.

602 CONCRETE: All concrete shall be Class AE-3 and shall be compacted by vibration.

The culvert will be constructed in two stages, the following elements of each section shall be cast in one continuous run:

STAGE 1:

1. Floor slab and south wing footings.
2. Each intermediate wall up to the bottom of fillets
3. Each sidewall up to the bottom of fillets and south adjacent wings complete to the top
4. Roof slab and south parapet

STAGE 2:

1. Remaining floor slab and north wing footings
2. Each intermediate wall up to the bottom of fillets
3. Each sidewall up to the bottom of fillets and north adjacent wings complete to the top
4. Remaining roof slab and north parapet

All exposed edges of concrete shall be beveled with 3/4" chamfer. The concrete in the wall slab shall be allowed to set at least two hours before the roof slab is poured.

602 CONCRETE: Provide aggregate for concrete that meets the requirements of Section 802.01 C.2, "Coarse Aggregate" and Section 802.01 C.3, "Fine Aggregate."

602 CURING CONCRETE: Wet cure all concrete surfaces not covered by forms. Cover the concrete with a double thickness of burlap. Maintain surface moisture between the final finish and placement of burlap by periodic applications of a light fog spray of water. Keep the burlap continuously moist until the end of the curing period.

612 REINFORCING STEEL: The transverse and vertical bars shall be placed nearest the surface. The longitudinal, temperature or tie bars shall be placed immediately inside the vertical and transverse bars and the intersections tied.

When the distance between end bars is not evenly divisible by bar spacing, the odd distance should be adjusted by a few irregular spaces near the center, not at the ends of the culvert.

The clear distance from the nearest bar to the surface of the concrete shall be as follows:

- Bottom of wing footing = 3" clear
- Bottom of floor slab = 2 1/2" clear
- Top of floor slab = 2" clear
- Top of wing footing = 2" clear
- All walls = 2" clear
- Top of roof slab = 2" clear
- Bottom of roof slab = 1" clear

Dimensions of bent bars are given out to out. All bends conform to A.C.I. Standards unless indicated otherwise.

709 GEOSYNTHETIC MATERIAL - TYPE R1: Reinforcement fabric shall be placed parallel to the roadway centerline. If more than one piece of fabric is used to meet the required roadway length, then the joint must be sewn. Adjacent strips of fabric shall be butted. All fabric must be taut and pinned with a six inch (min) pin, peg, or staple every 15' along all edges and on all corners prior to placing fill on the fabric.

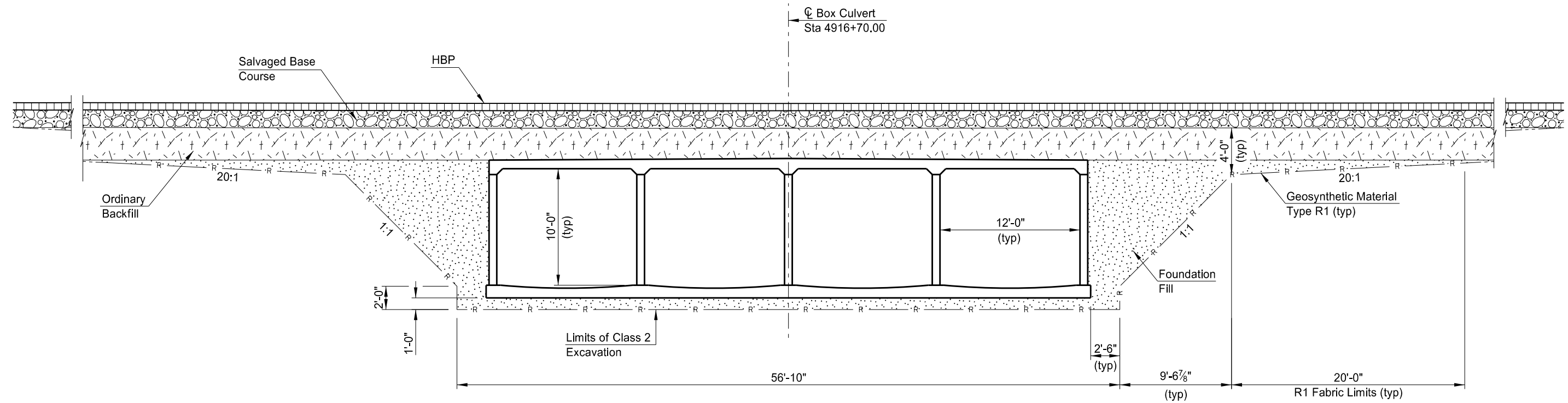
930 SHORING: Temporary shoring is required as shown on the plans for Stage 2 construction of the box culvert. The Contractor is responsible to design, construct, maintain, and remove temporary shoring. All labor, equipment and material needed for this work shall be included in the bid item, "Shoring".

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**NOTE:**

- The Geosynthetic Material Type R1 shall extend from roadway centerline to 50' Lt and Rt of  $\phi$  Roadway



FABRIC PLACEMENT AND FOUNDATION FILL  
 THROUGH EXISTING EMBANKMENT

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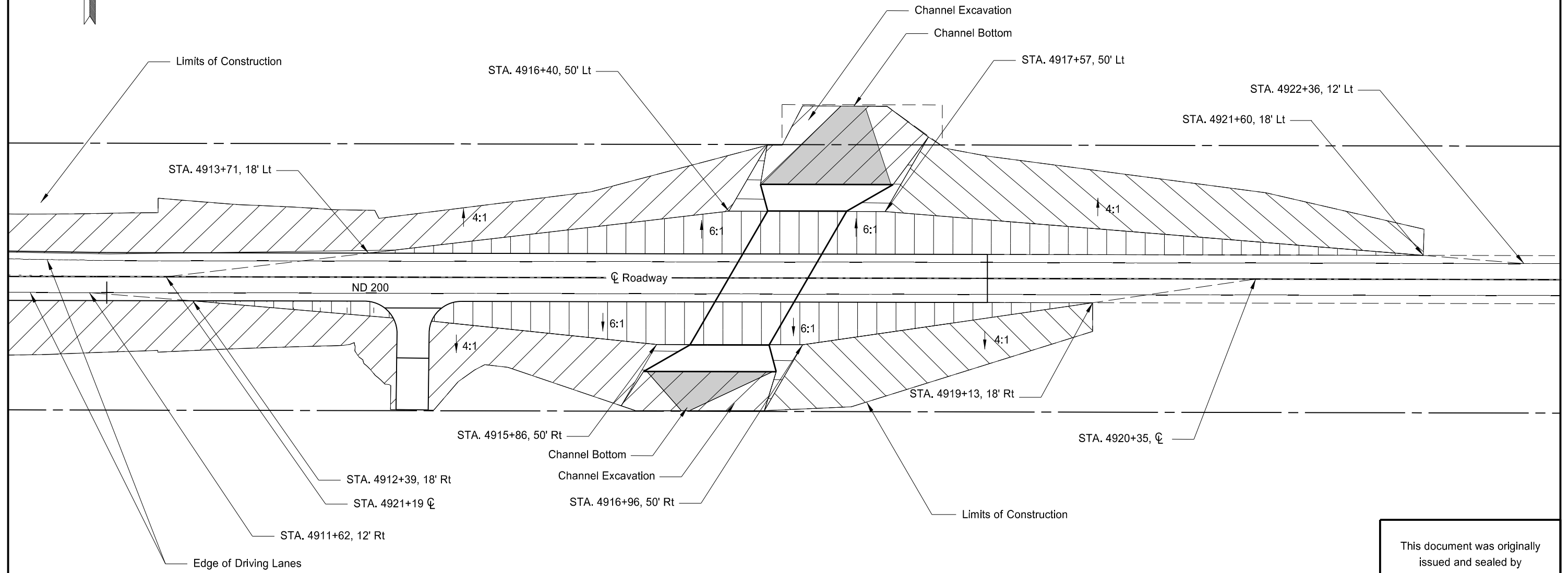
SPRING CREEK OVERFLOW

EXCAVATION & FOUNDATION  
 FILL DETAIL

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
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FORESLOPE TRANSITION AT BOX CULVERT



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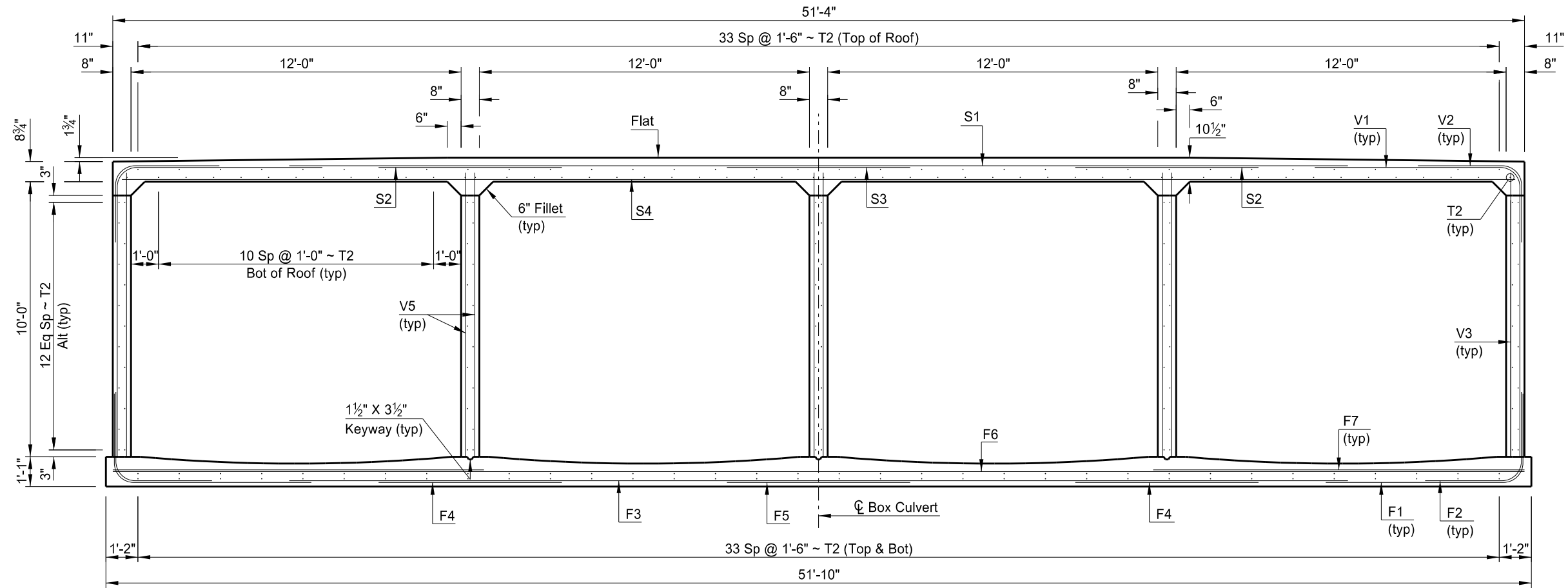
NOTES:

1. Transition Runout Length Approximately 425 Feet
2. For Cross Sections, See Section 200

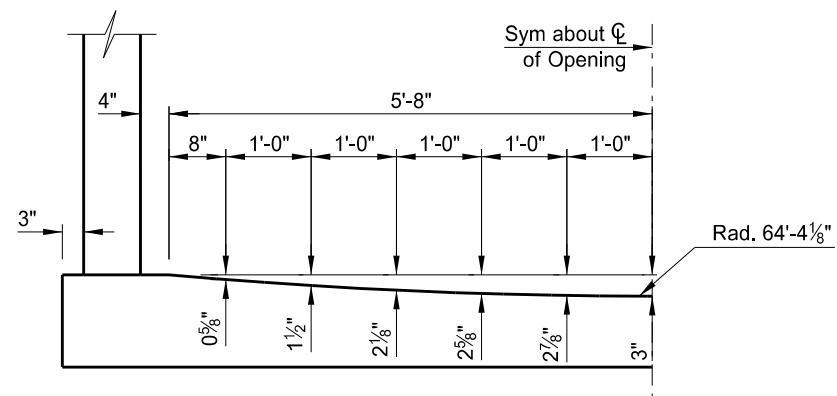
SPRING CREEK OVERFLOW  
 FORESLOPE TRANSITION



STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
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SECTION OF BARREL



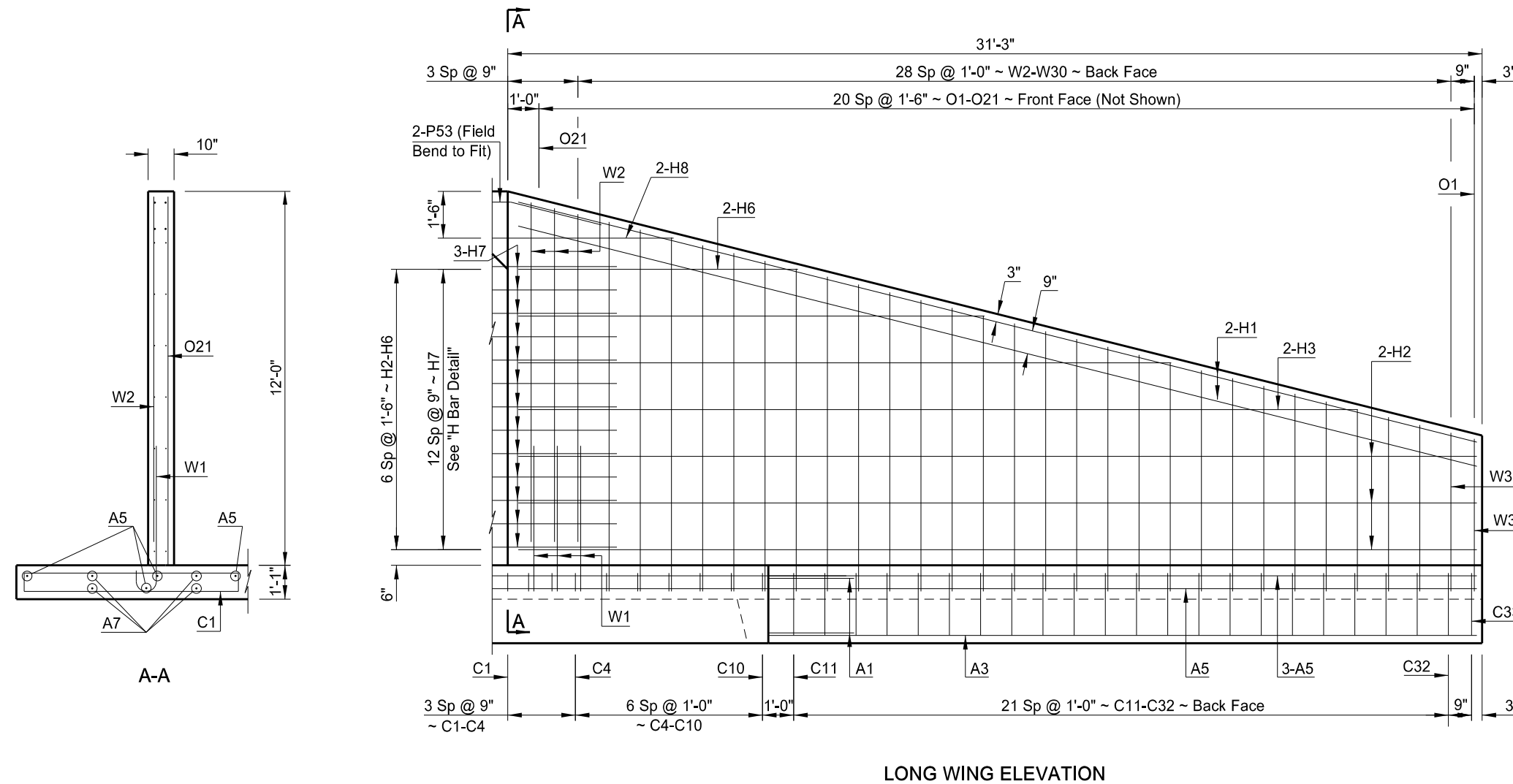
CURVED FLOOR OFF-SETS

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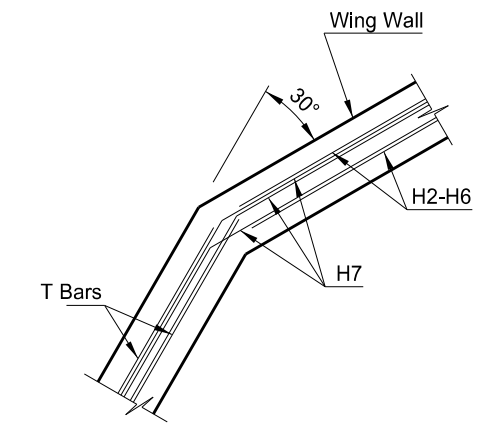
SPRING CREEK OVERFLOW

BARREL SECTION

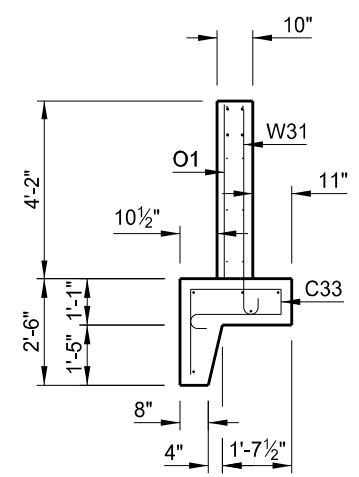
STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
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LONG WING ELEVATION



H BAR DETAIL

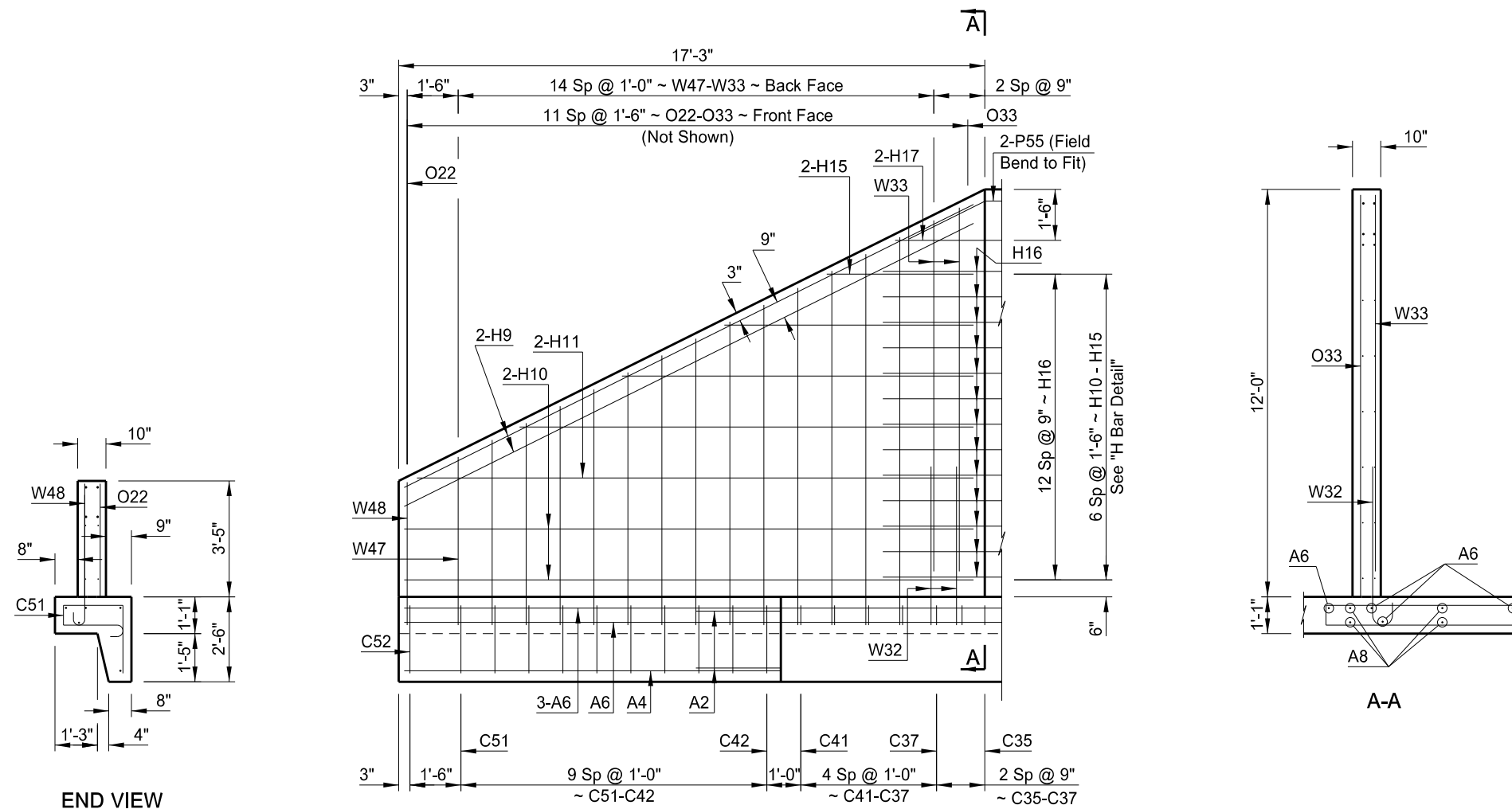


END VIEW

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SPRING CREEK OVERFLOW  
 LONG WING DETAILS

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END VIEW

SHORT WING ELEVATION

H BAR DETAIL

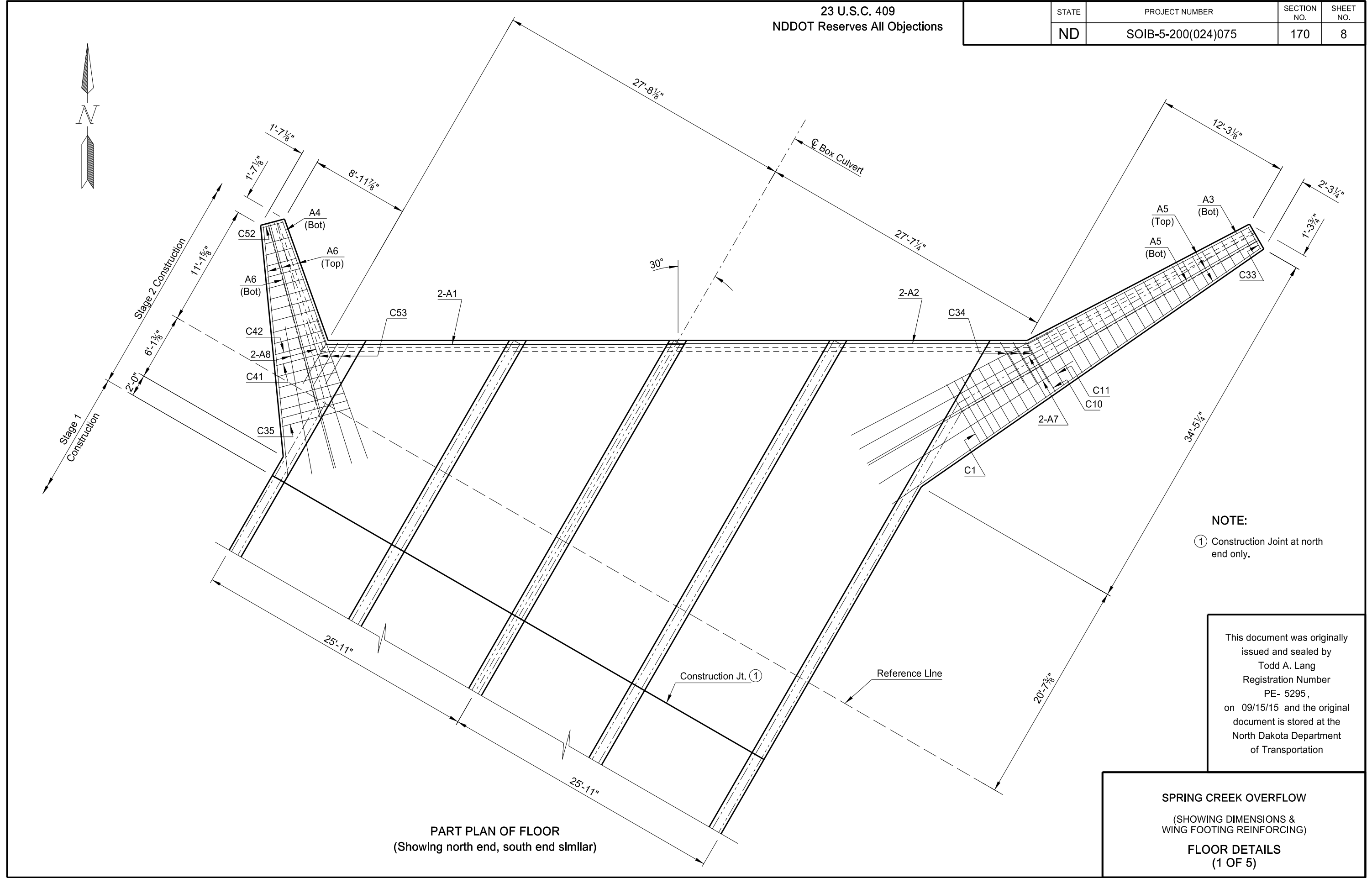
A-A

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SPRING CREEK OVERFLOW

SHORT WING DETAILS

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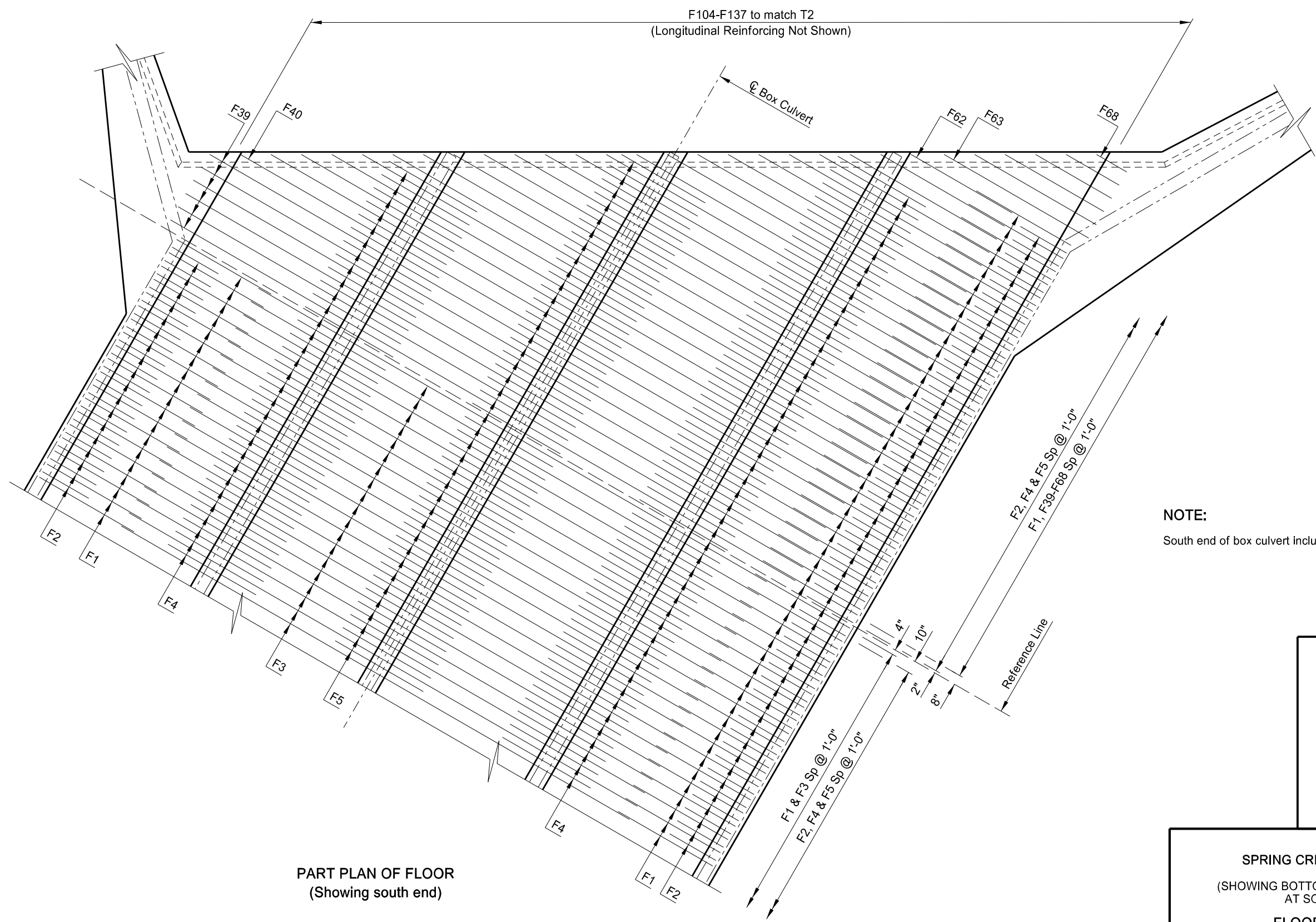


**NOTE:**  
 ① Construction Joint at north end only.

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**SPRING CREEK OVERFLOW**  
 (SHOWING DIMENSIONS &  
 WING FOOTING REINFORCING)  
**FLOOR DETAILS**  
 (1 OF 5)

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
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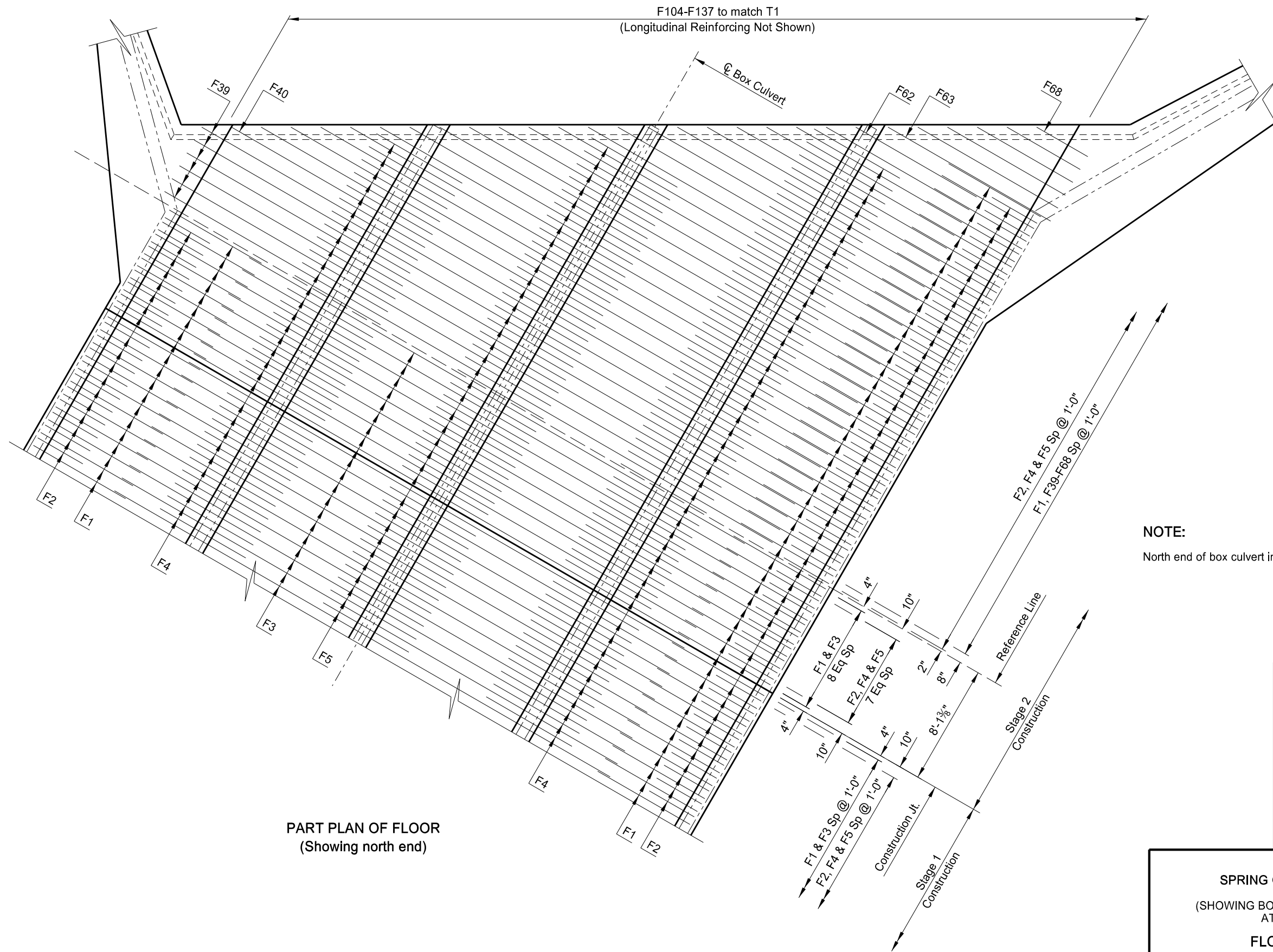
**NOTE:**  
 South end of box culvert included in Stage 1 construction.

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**SPRING CREEK OVERFLOW**  
 (SHOWING BOTTOM MAT REINFORCING  
 AT SOUTH END)  
**FLOOR DETAILS**  
 (2 OF 5)

**PART PLAN OF FLOOR**  
 (Showing south end)

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	170	10



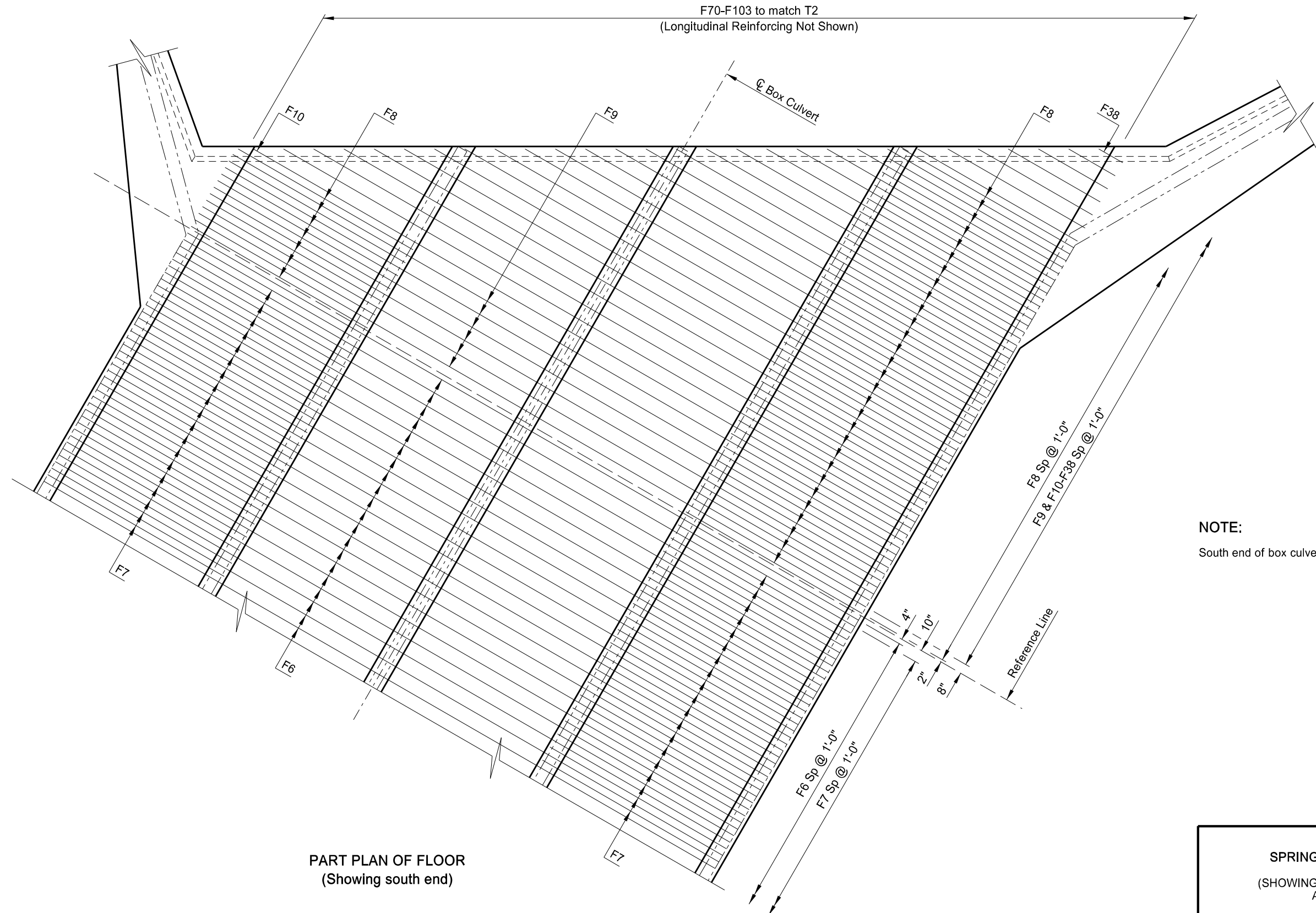
PART PLAN OF FLOOR  
 (Showing north end)

**NOTE:**  
 North end of box culvert included in Stage 2 construction.

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**SPRING CREEK OVERFLOW**  
 (SHOWING BOTTOM MAT REINFORCING  
 AT NORTH END)  
**FLOOR DETAILS**  
 (3 OF 5)

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	170	11



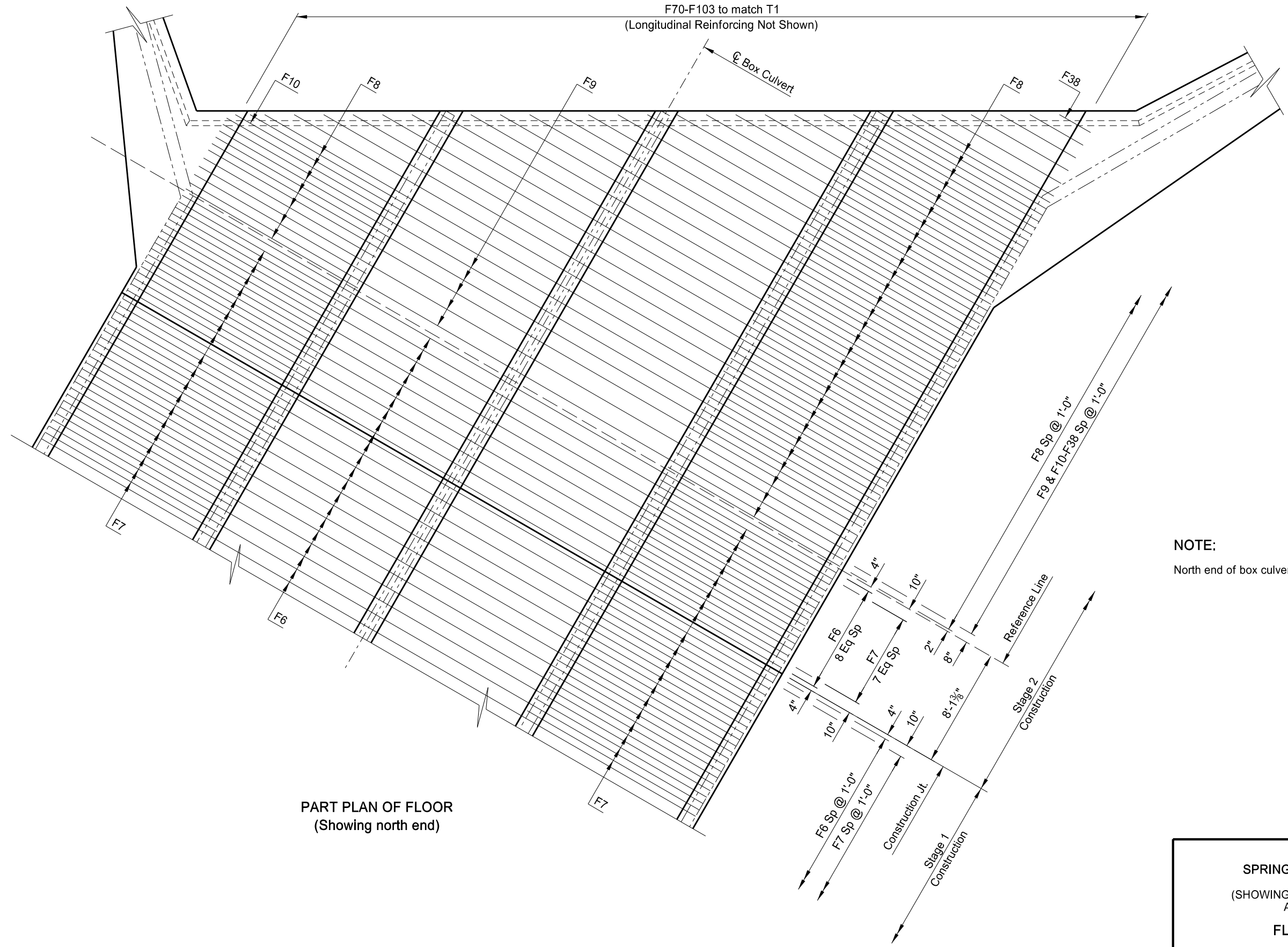
**NOTE:**  
 South end of box culvert included in Stage 1 construction.

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**PART PLAN OF FLOOR**  
 (Showing south end)

**SPRING CREEK OVERFLOW**  
 (SHOWING TOP MAT REINFORCING  
 AT SOUTH END)  
**FLOOR DETAILS**  
 (4 OF 5)

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	170	12



PART PLAN OF FLOOR  
 (Showing north end)

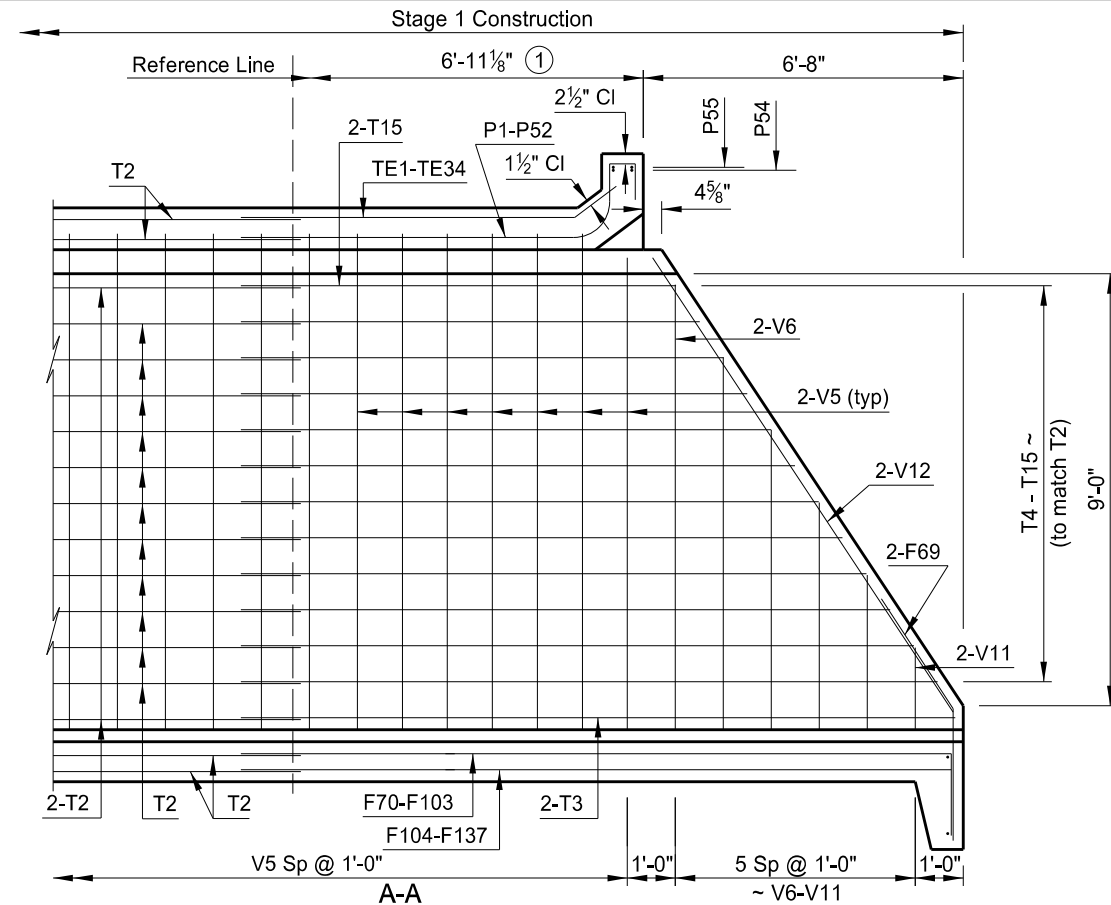
NOTE:  
 North end of box culvert included in Stage 2 construction.

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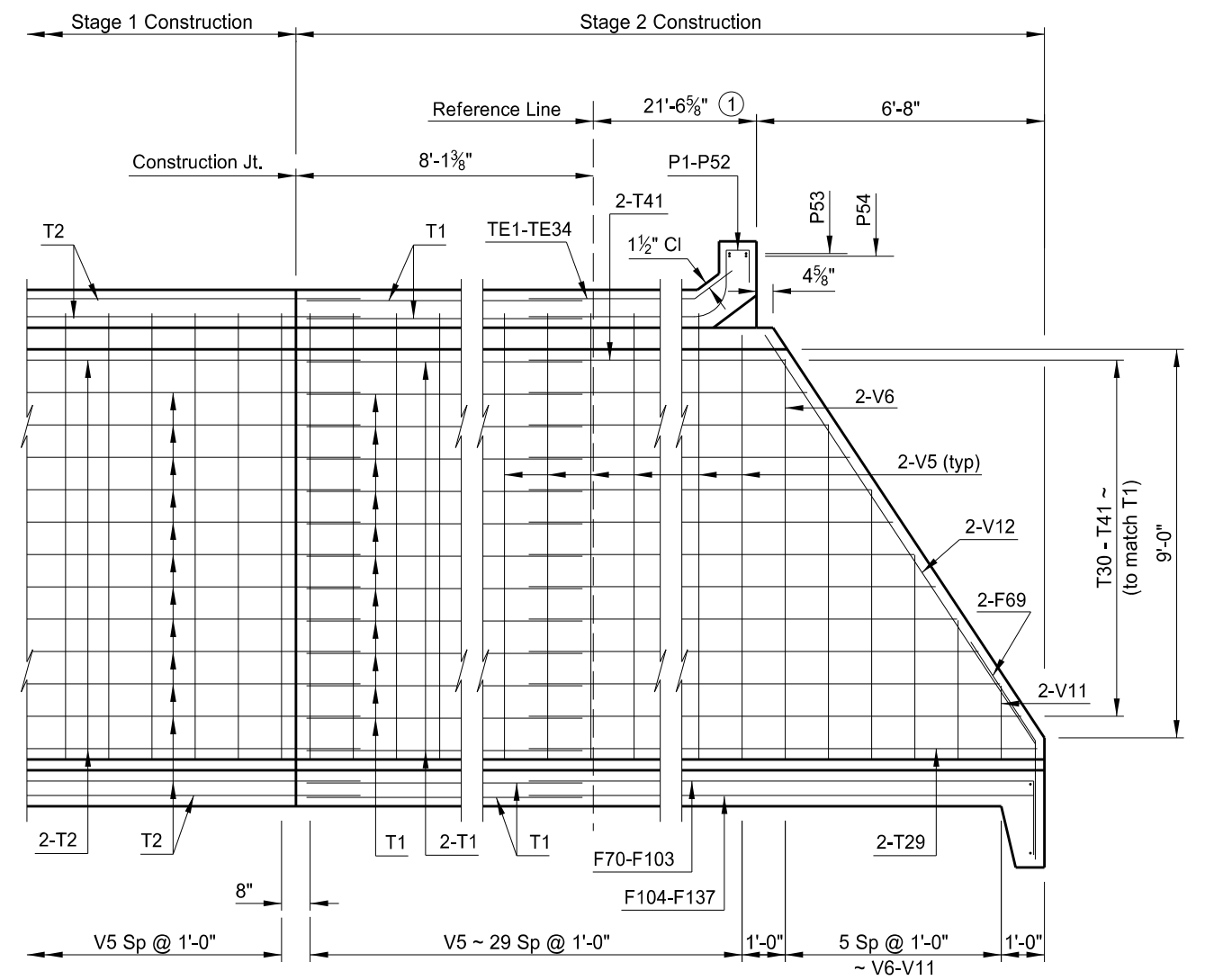
SPRING CREEK OVERFLOW  
 (SHOWING TOP MAT REINFORCING  
 AT NORTH END)  
 FLOOR DETAILS  
 (5 OF 5)



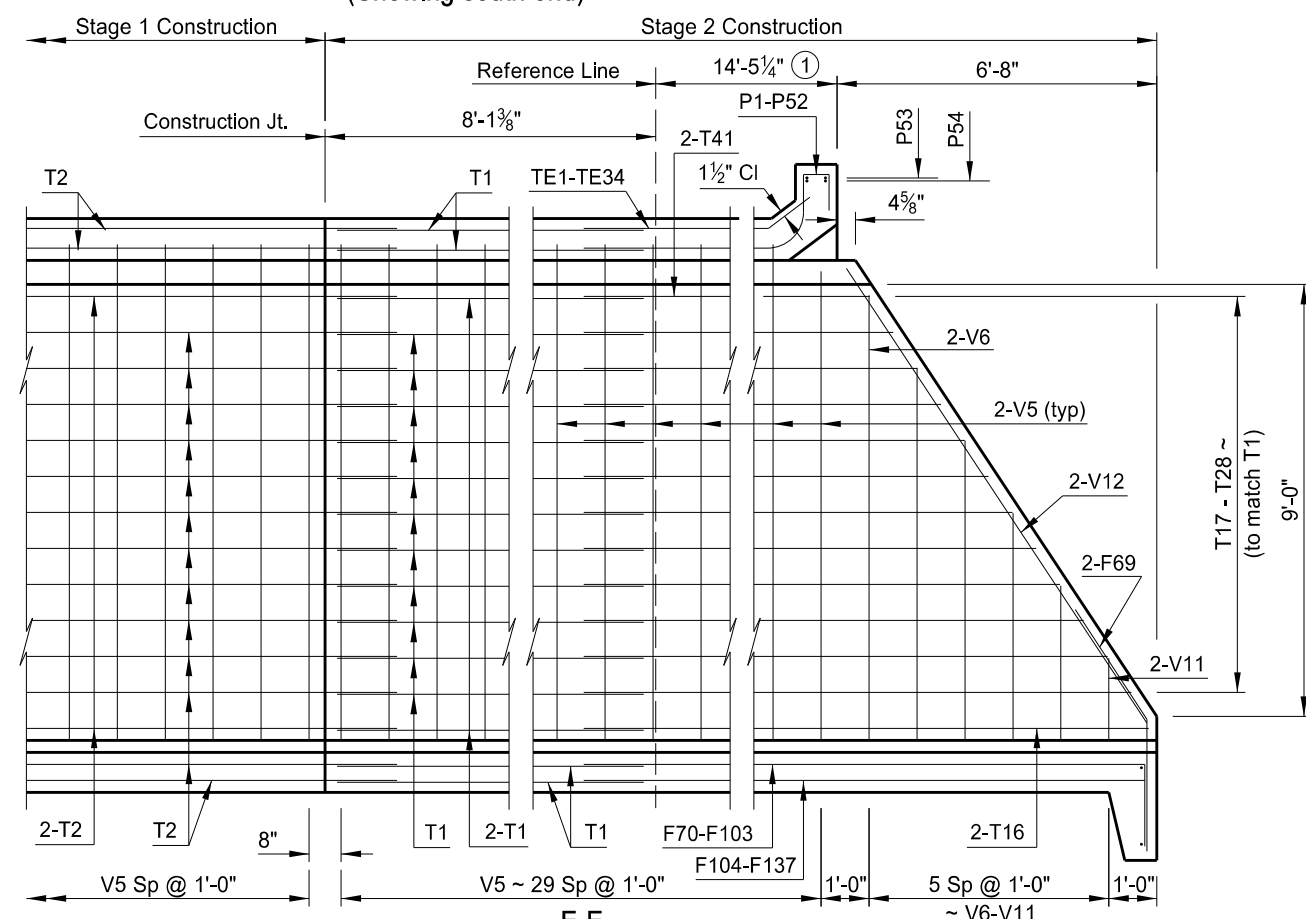
STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	170	13



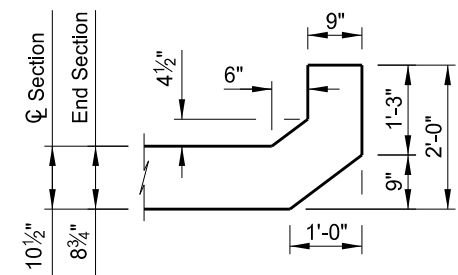
A-A  
(Showing south end)



B-B  
(Showing north end)



E-E  
(Showing north end)



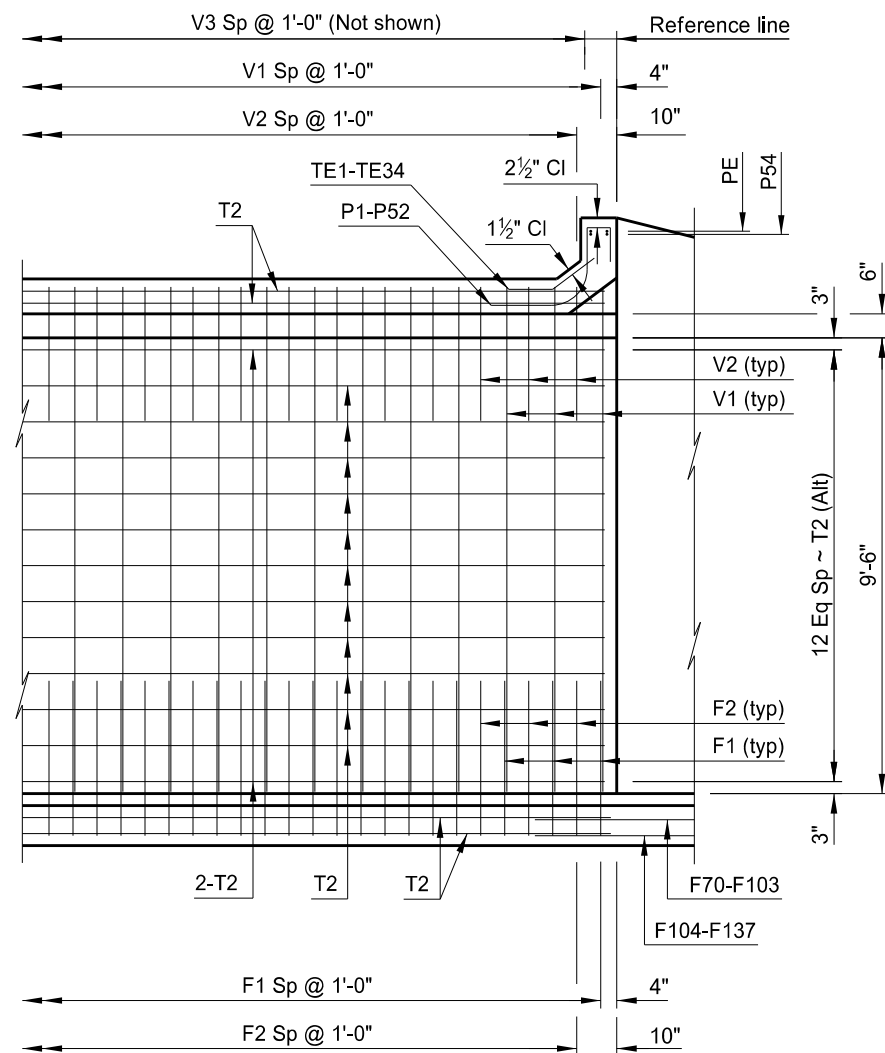
PARAPET DETAIL

- NOTES:**
- ① Distance will vary for each interior wall.
  - See Dwg 200-093.116-15 for cut section A-A.
  - See Dwg 200-093.116-16 for cut section B-B and E-E.

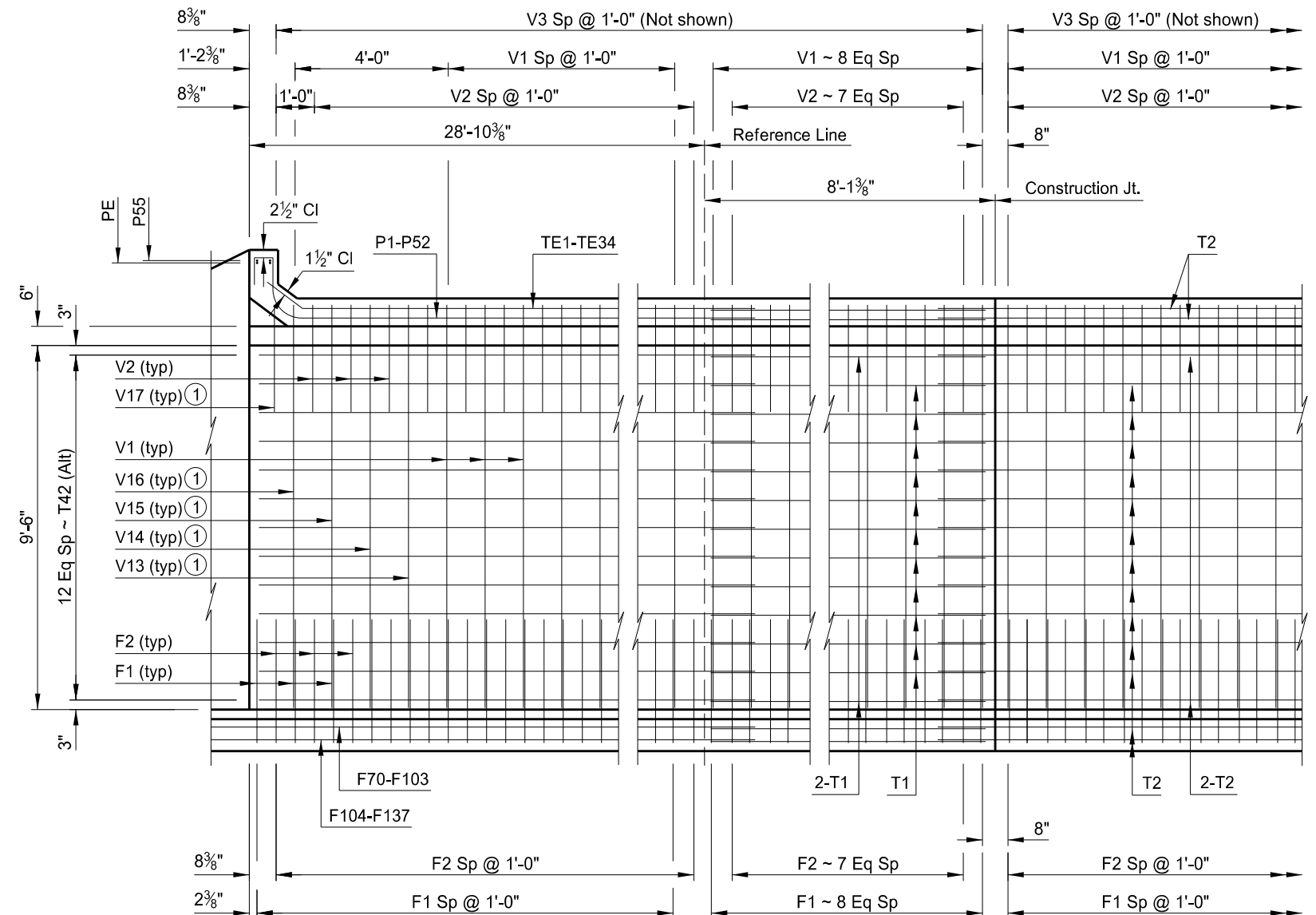
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**SPRING CREEK OVERFLOW**  
  
**INNER WALL DETAILS & PARAPET DETAIL**

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	170	14



C-C  
(Showing south end)



D-D  
(Showing north end)

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**NOTES:**

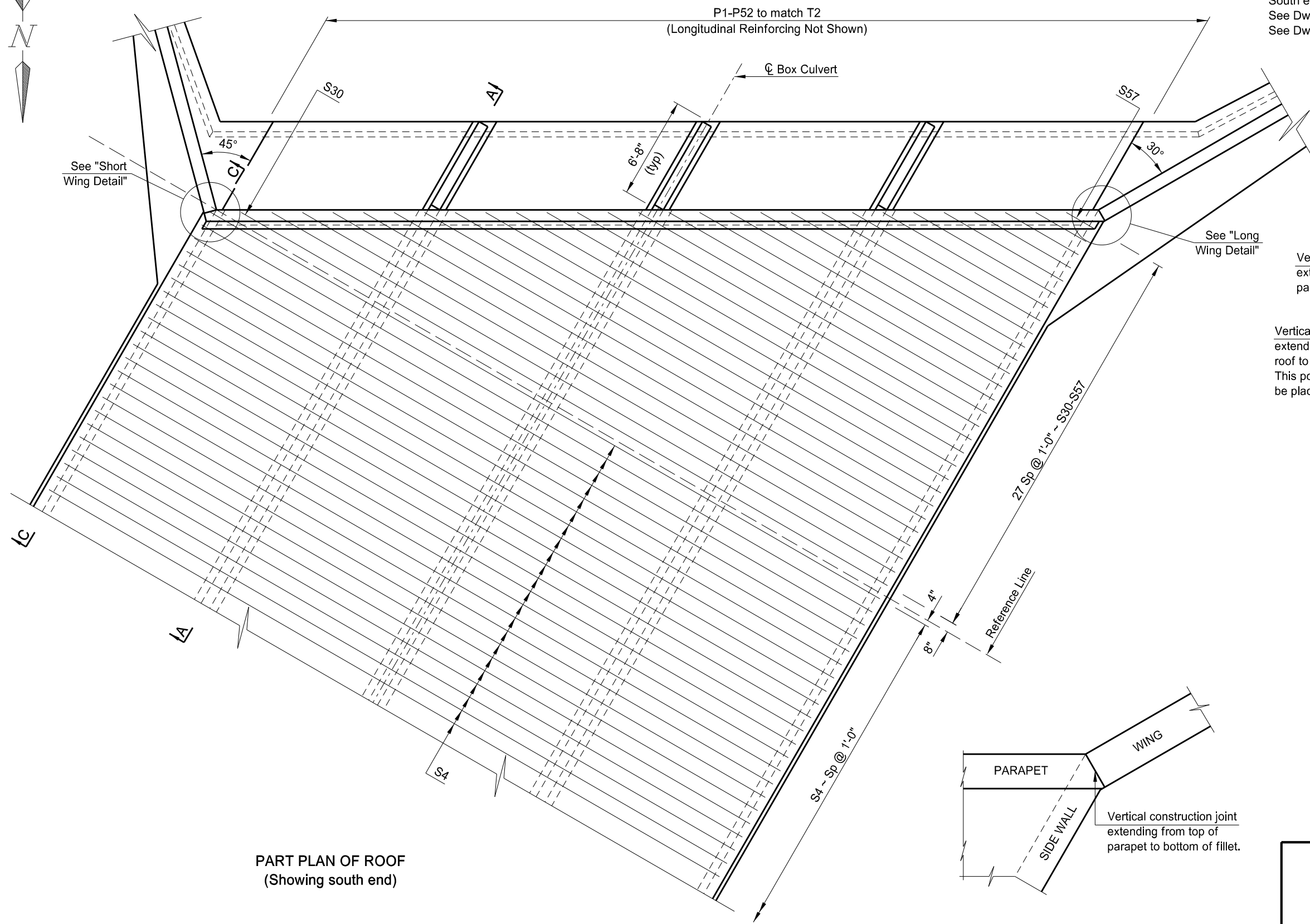
- ① Bars located at Long Wing only.
2. See Dwg 200-093.116-15 for cut section C-C.
3. See Dwg 200-093.116-16 for cut section D-D.

SPRING CREEK OVERFLOW

EXTERIOR DETAILS &  
PARAPET DETAIL

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	170	15

**NOTE:**  
South end of box culvert included in Stage 1 construction.  
See Dwg. 200-093.116-13 for Section A-A.  
See Dwg. 200-093.116-14 for Section C-C.



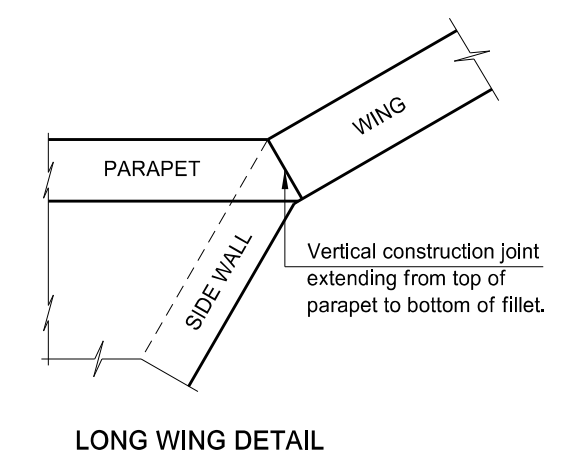
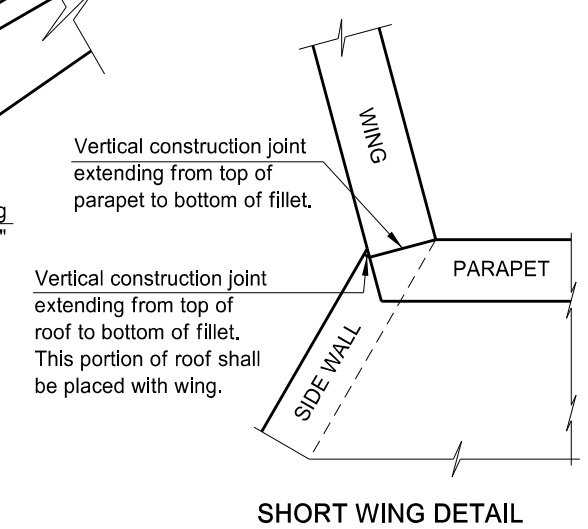
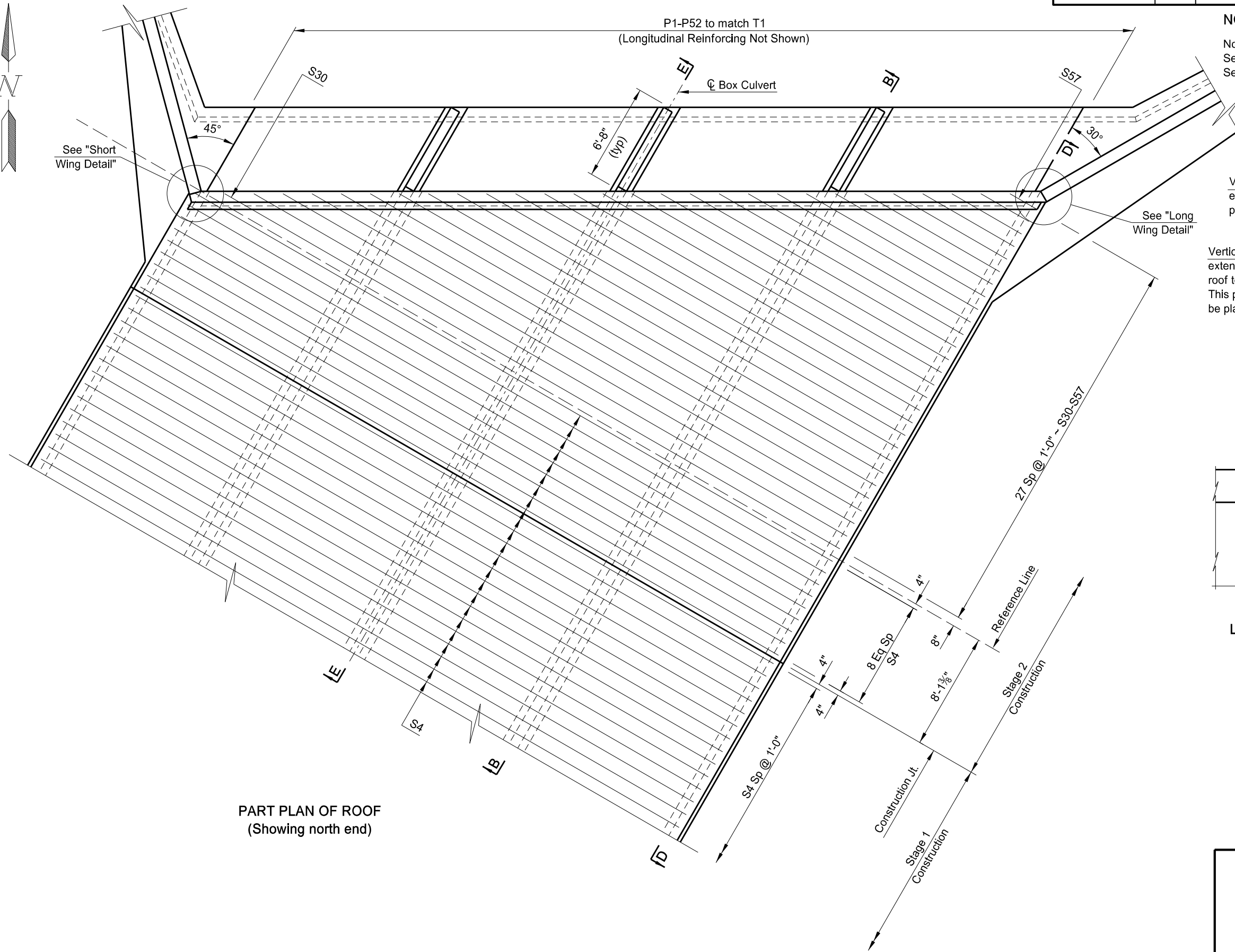
**PART PLAN OF ROOF**  
(Showing south end)

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**SPRING CREEK OVERFLOW**  
(SHOWING BOTTOM MAT REINFORCING AT SOUTH END)  
**ROOF DETAILS**  
(1 OF 4)

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	170	16

**NOTE:**  
North end of box culvert included in Stage 2 construction.  
See Dwg. 200-093.116-13 for Section B-B and E-E.  
See Dwg. 200-093.116-14 for Section D-D.

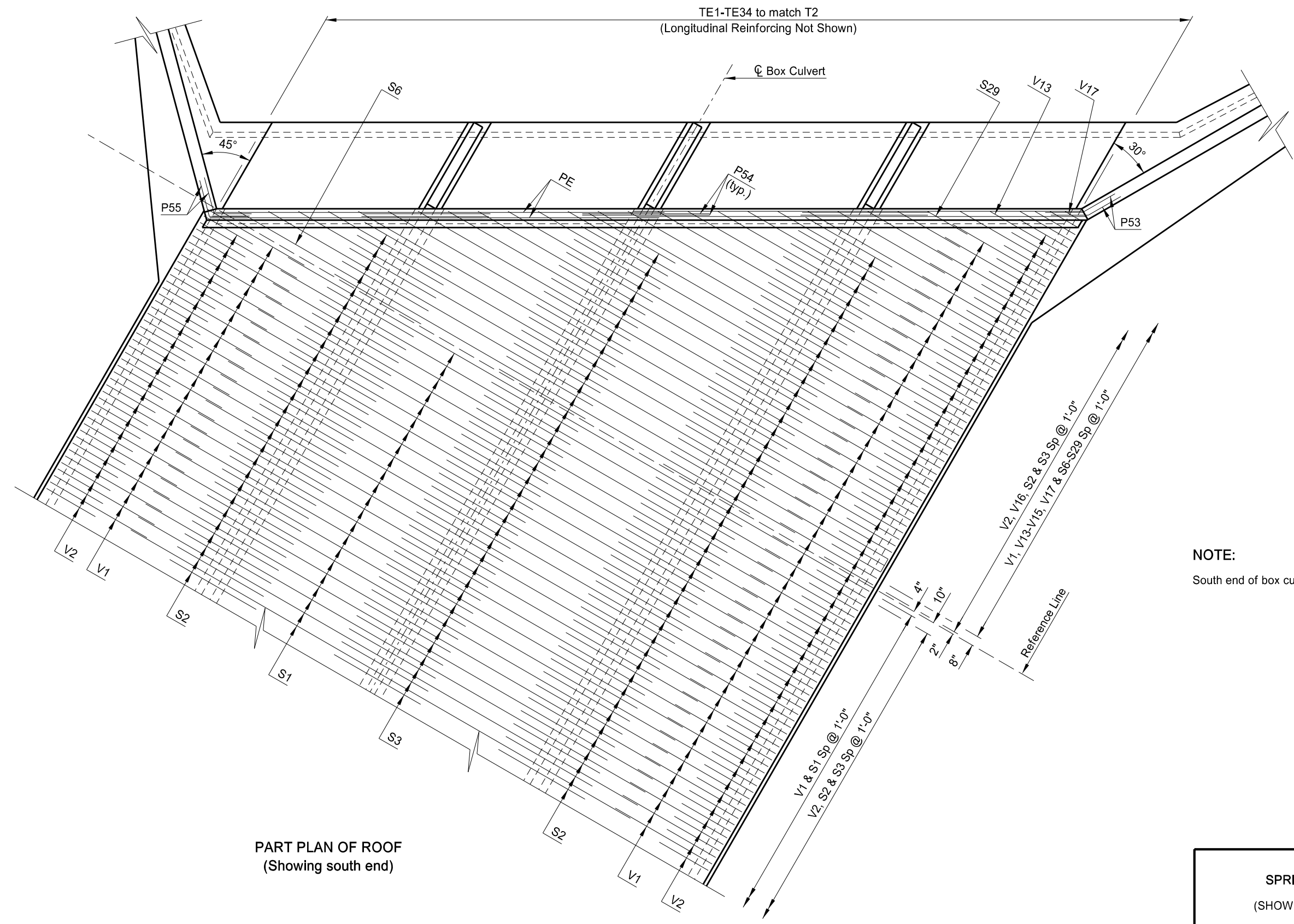
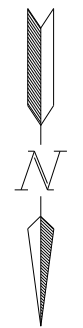


PART PLAN OF ROOF  
(Showing north end)

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**SPRING CREEK OVERFLOW**  
(SHOWING BOTTOM MAT REINFORCING AT NORTH END)  
**ROOF DETAILS**  
(2 OF 4)

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	170	17



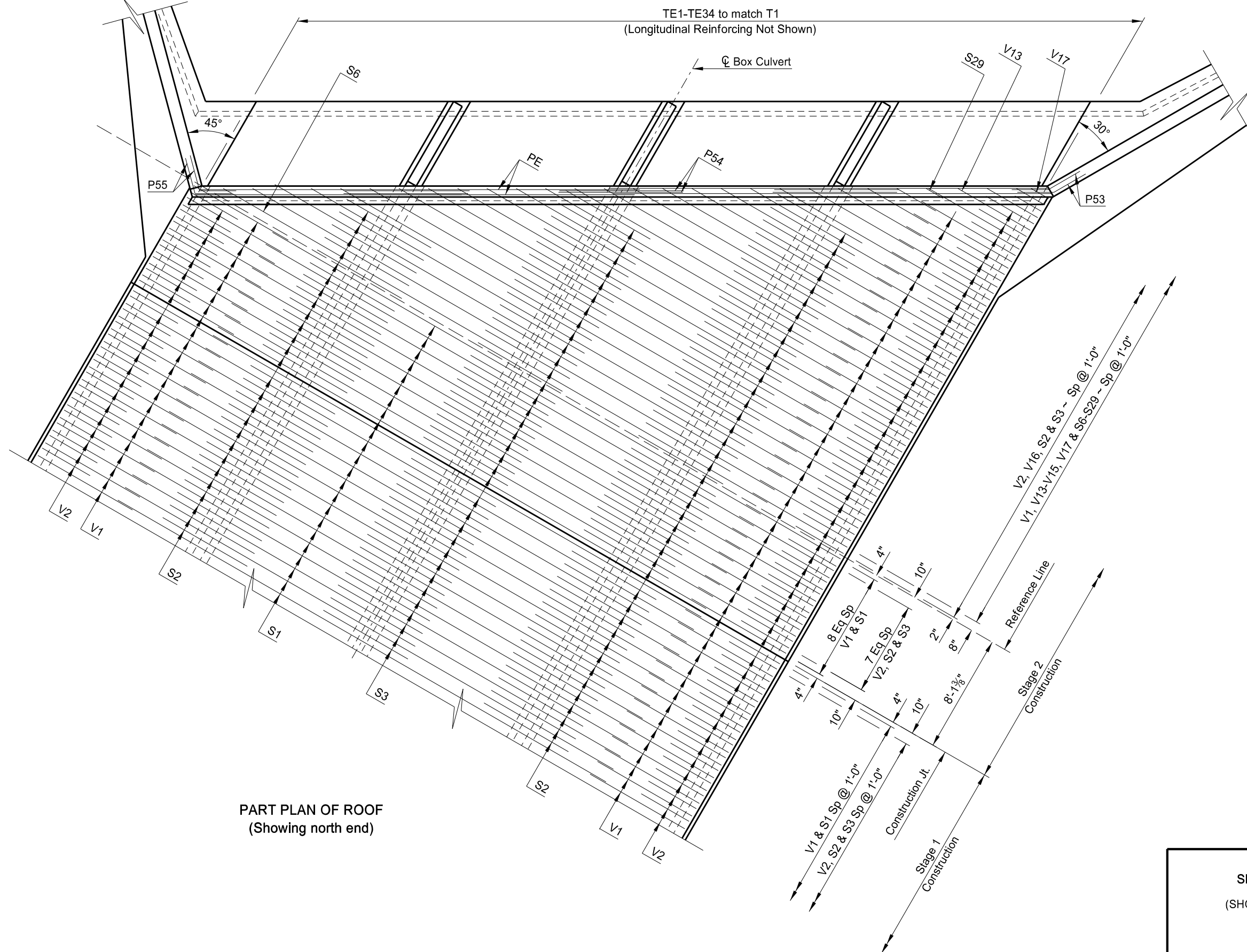
PART PLAN OF ROOF  
 (Showing south end)

**NOTE:**  
 South end of box culvert included in Stage 1 construction.

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**SPRING CREEK OVERFLOW**  
 (SHOWING TOP MAT REINFORCING  
 AT SOUTH END)  
**ROOF DETAILS**  
 (3 OF 4)

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	170	18



**NOTE:**  
 North end of box culvert included in Stage 2 construction.

**PART PLAN OF ROOF**  
 (Showing north end)

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**SPRING CREEK OVERFLOW**  
 (SHOWING TOP MAT REINFORCING AT NORTH END)  
**ROOF DETAILS**  
 (4 OF 4)

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	170	19

BAR LIST (CONSTANT)														
MARK	SIZE	NO.	LENGTH	SHAPE	MARK	SIZE	NO.	LENGTH	SHAPE	MARK	SIZE	NO.	LENGTH	SHAPE
W1	7	6	5'-6"	BENT	W32	7	4	5'-6"	BENT	F8	5	72	13'-6"	STR.
W2	6	6	11'-2"	STR.	W33	6	4	11'-0"	STR.	F9	6	12	51'-4"	STR.
W3	7	2	12'-7"	BENT	W34	7	2	12'-2"	BENT	F10-F38	6	2 SETS	763'-8"	STR.
W4	7	2	12'-4"	BENT	W35	7	2	11'-8"	BENT	F39	6	12	45'-11"	STR.
W5	7	2	12'-1"	BENT	W36	7	2	11'-2"	BENT	F40-F62	6	2 SETS	595'-2"	STR.
W6	7	2	11'-10"	BENT	W37	7	2	10'-8"	BENT	F63-F68	6	2 SETS	45'-0"	STR.
W7	7	2	11'-7"	BENT	W38	6	2	10'-1"	BENT	F69	6	12	5'-6"	STR.
W8	7	2	11'-4"	BENT	W39	6	2	9'-7"	BENT	F70-F103	4	2 SETS	821'-8"	BENT
W9	7	2	11'-1"	BENT	W40	5	2	9'-0"	BENT	F104-F137	4	2 SETS	762'-2"	BENT
W10	7	2	10'-10"	BENT	W41	5	2	8'-6"	BENT					
W11	6	2	10'-6"	BENT	W42	4	2	7'-11"	BENT	S6-S29	6	2 SETS	566'-0"	STR.
W12	6	2	10'-3"	BENT	W43	4	2	7'-5"	BENT	S30-S57	7	2 SETS	715'-2"	STR.
W13	6	2	10'-0"	BENT	W44	4	2	6'-11"	BENT					
W14	6	2	9'-9"	BENT	W45	4	2	6'-5"	BENT	T3	4	4	15'-0"	STR.
W15	5	2	9'-5"	BENT	W46	4	2	5'-11"	BENT	T4-T15	4	2 SETS	141'-0"	STR.
W16	5	2	9'-2"	BENT	W47	4	2	5'-5"	BENT	T16	4	4	22'-4"	STR.
W17	5	2	8'-11"	BENT	W48	4	2	4'-8"	BENT	T17-T28	4	2 SETS	229'-0"	STR.
W18	5	2	8'-8"	BENT						T29	4	4	29'-8"	STR.
W19	4	2	8'-4"	BENT	C35	5	2	14'-10"	BENT	T30-T41	4	2 SETS	317'-0"	STR.
W20	4	2	8'-1"	BENT	C36	5	2	14'-6"	BENT	T42	4	30	30'-0"	STR.
W21	4	2	7'-10"	BENT	C37	5	2	14'-2"	BENT					
W22	4	2	7'-7"	BENT	C38	5	2	13'-8"	BENT	TE1-TE34	4	2 SETS	553'-11"	BENT
W23	4	2	7'-4"	BENT	C39	5	2	13'-2"	BENT					
W24	4	2	7'-1"	BENT	C40	5	2	12'-8"	BENT					
W25	4	2	6'-10"	BENT	C41	5	2	12'-2"	BENT					
W26	4	2	6'-7"	BENT	C42	5	2	12'-8"	BENT	V1	5	228	17'-9"	BENT
W27	4	2	6'-4"	BENT	C43	5	2	12'-2"	BENT	V2	6	226	7'-0"	BENT
W28	4	2	6'-1"	BENT	C44	4	2	11'-7"	BENT	V3	4	236	10'-4"	STR.
W29	4	2	5'-10"	BENT	C45	4	2	11'-1"	BENT	V5	4	706	10'-4"	STR.
W30	4	2	5'-7"	BENT	C46	4	2	10'-7"	BENT					
W31	4	2	5'-5"	BENT	C47	4	2	10'-1"	BENT	F1	4	236	10'-9"	BENT
					C48	4	2	9'-7"	BENT	F2	5	230	7'-0"	BENT
					C49	4	2	9'-1"	BENT	F3	6	89	38'-6"	STR.
C1	6	2	14'-4"	BENT	C50	4	2	8'-7"	BENT	F4	6	250	6'-8"	STR.
C2	6	2	14'-2"	BENT	C51	4	2	8'-1"	BENT	F5	5	126	6'-8"	STR.
C3	6	2	14'-0"	BENT	C52	4	2	7'-7"	BENT	F6	6	89	51'-4"	STR.
C4	6	2	13'-10"	BENT	C53	4	6	6'-5"	BENT	F7	5	172	13'-6"	STR.
C5	6	2	13'-6"	BENT										
C6	6	2	13'-4"	BENT										
C7	6	2	13'-0"	BENT	H9	7	8	18'-9"	STR.	S1	6	89	38'-6"	STR.
C8	6	2	12'-10"	BENT	H10	4	12	16'-9"	STR.	S2	7	220	6'-8"	STR.
C9	6	2	12'-6"	BENT	H11	4	4	16'-5"	STR.	S3	6	110	6'-8"	STR.
C10	6	2	12'-4"	BENT	H12	4	4	13'-5"	STR.	S4	7	89	50'-8"	STR.
C11	5	2	13'-4"	BENT	H13	4	4	10'-5"	STR.					
C12	5	2	13'-2"	BENT	H14	4	4	7'-5"	STR.	T1	4	229	7'-7"	STR.
C13	5	2	12'-10"	BENT	H15	4	4	4'-8"	STR.	T2	4	229	81'-7"	STR.
C14	5	2	12'-8"	BENT	H16	4	78	6'-0"	BENT					
C15	5	2	12'-4"	BENT	H17	6	4	8'-0"	STR.					
C16	5	2	12'-0"	BENT										
C17	5	2	11'-10"	BENT	O22-O33	4	2 SETS	89'-6"	STR.					
C18	4	2	11'-5"	BENT										
C19	4	2	11'-3"	BENT	A1	6	4	35'-4"	BENT					
C20	4	2	12'-11"	BENT	A2	6	4	35'-6"	BENT					
C21	4	2	10'-9"	BENT	A3	6	2	22'-6"	STR.					
C22	4	2	10'-7"	BENT	A4	6	2	11'-9"	STR.					
C23	4	2	10'-3"	BENT	A5	6	8	41'-0"	STR.					
C24	4	2	9'-11"	BENT	A6	6	8	23'-0"	STR.					
C25	4	2	9'-9"	BENT	A7	6	8	21'-0"	STR.					
C26	4	2	9'-5"	BENT	A8	6	8	13'-10"	STR.					
C27	4	2	9'-3"	BENT										
C28	4	2	8'-11"	BENT	P1-P52	4	2 SETS	1031'-4"	BENT					
C29	4	2	8'-9"	BENT	P53	6	4	5'-0"	BENT					
C30	4	2	8'-7"	BENT	P54	6	12	8'-0"	STR.					
C31	4	2	8'-3"	BENT	P55	6	4	5'-0"	BENT					
C32	4	2	8'-1"	BENT	PE	6	4	57'-0"	STR.					
C33	4	2	7'-9"	BENT										
C34	4	6	6'-5"	BENT	V6	4	12	8'-11"	STR.					
					V7	4	12	7'-5"	STR.					
H1	7	8	31'-9"	STR.	V8	4	12	6'-0"	STR.					
H2	4	12	30'-9"	STR.	V9	4	12	4'-7"	STR.					
H3	4	4	27'-0"	STR.	V10	4	12	3'-2"	STR.					
H4	4	4	21'-0"	STR.	V11	4	12	1'-9"	STR.					
H5	4	4	15'-0"	STR.	V12	4	12	11'-7"	STR.					
H6	4	4	9'-0"	STR.	V13	5	2	16'-6"	BENT					
H7	4	78	6'-0"	BENT	V14	5	2	14'-9"	BENT					
H8	6	4	12'-0"	STR.	V15	5	2	13'-0"	BENT					
					V16	6	2	4'-7"	BENT					
O1-O21	4	2 SETS	164'-6"	STR.	V17	5	2	11'-6"	BENT					

STAGE 1 CONCRETE QUANTITIES	
FLOOR	= 193.3 CY
OUTSIDE WALLS & 2 WINGS	= 55.6 CY
INSIDE WALLS	= 68.3 CY
ROOF	= 159.8 CY
TOTAL	= 477.0 CY

STAGE 2 CONCRETE QUANTITIES	
FLOOR	= 66.2 CY
OUTSIDE WALLS & 2 WINGS	= 22.4 CY
INSIDE WALLS	= 18.5 CY
ROOF	= 39.9 CY
TOTAL	= 147.0 CY

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QUANTITIES	
CLASS AE-3 CONCRETE	624.0 CY
REINFORCING STEEL	92,040 LBS

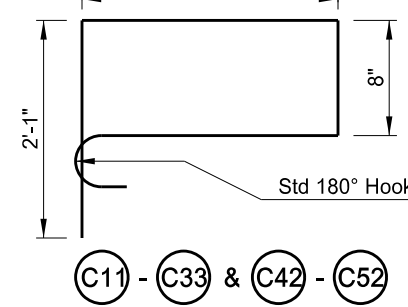
SPRING CREEK OVERFLOW

REINFORCING BAR LIST

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	170	20

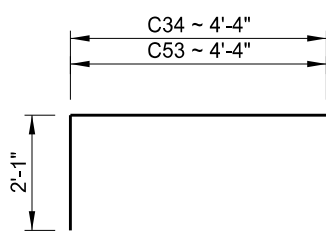
- W1 ~ 4'-8"
- W3 ~ 11'-9"
- W4 ~ 11'-6"
- W5 ~ 11'-3"
- W6 ~ 11'-0"
- W7 ~ 10'-9"
- W8 ~ 10'-6"
- W9 ~ 10'-3"
- W10 ~ 10'-0"
- W11 ~ 9'-10"
- W12 ~ 9'-7"
- W13 ~ 9'-4"
- W14 ~ 9'-1"
- W15 ~ 8'-10"
- W16 ~ 8'-7"
- W17 ~ 8'-4"
- W18 ~ 8'-1"
- W19 ~ 7'-10"
- W20 ~ 7'-7"
- W21 ~ 7'-4"
- W22 ~ 7'-1"
- W23 ~ 6'-10"
- W24 ~ 6'-7"
- W25 ~ 6'-4"
- W26 ~ 6'-1"
- W27 ~ 5'-10"
- W28 ~ 5'-7"
- W29 ~ 5'-4"
- W30 ~ 5'-1"
- W31 ~ 4'-11"
- W32 ~ 4'-8"
- W33 ~ 4'-5"
- W34 ~ 4'-2"
- W35 ~ 10'-10"
- W36 ~ 10'-4"
- W37 ~ 9'-10"
- W38 ~ 9'-5"
- W39 ~ 8'-11"
- W40 ~ 8'-5"
- W41 ~ 7'-11"
- W42 ~ 7'-5"
- W43 ~ 6'-11"
- W44 ~ 6'-5"
- W45 ~ 5'-11"
- W46 ~ 5'-5"
- W47 ~ 4'-11"
- W48 ~ 4'-2"

- C11 ~ 5'-0"
- C12 ~ 4'-11"
- C13 ~ 4'-9"
- C14 ~ 4'-8"
- C15 ~ 4'-6"
- C16 ~ 4'-4"
- C17 ~ 4'-3"
- C18 ~ 4'-1"
- C19 ~ 4'-0"
- C20 ~ 4'-10"
- C21 ~ 3'-9"
- C22 ~ 3'-8"
- C23 ~ 3'-6"
- C24 ~ 3'-4"
- C25 ~ 3'-3"
- C26 ~ 3'-1"
- C27 ~ 3'-0"
- C28 ~ 2'-10"
- C29 ~ 2'-9"
- C30 ~ 2'-8"
- C31 ~ 2'-6"
- C32 ~ 2'-5"
- C33 ~ 2'-3"
- C42 ~ 4'-8"
- C43 ~ 4'-5"
- C44 ~ 4'-2"
- C45 ~ 3'-11"
- C46 ~ 3'-8"
- C47 ~ 3'-5"
- C48 ~ 3'-2"
- C49 ~ 2'-11"
- C50 ~ 2'-8"
- C51 ~ 2'-5"
- C52 ~ 2'-2"



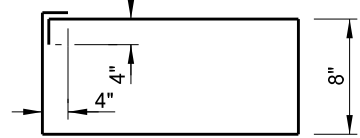
(C11) - (C33) & (C42) - (C52)

(W1) & (W3) - (W32)  
& (W34) - (W38)

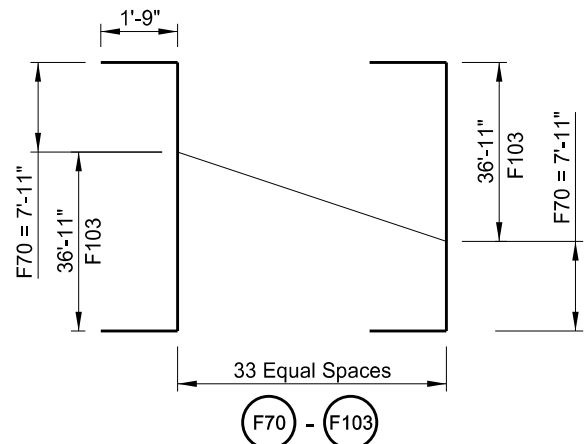


(C34) & (C53)

- C1 ~ 6'-2"
- C2 ~ 6'-1"
- C3 ~ 6'-0"
- C4 ~ 5'-11"
- C5 ~ 5'-9"
- C6 ~ 5'-8"
- C7 ~ 5'-6"
- C8 ~ 5'-5"
- C9 ~ 5'-3"
- C10 ~ 5'-2"
- C35 ~ 6'-5"
- C36 ~ 6'-3"
- C37 ~ 6'-1"
- C38 ~ 5'-10"
- C39 ~ 5'-7"
- C40 ~ 5'-4"
- C41 ~ 5'-1"

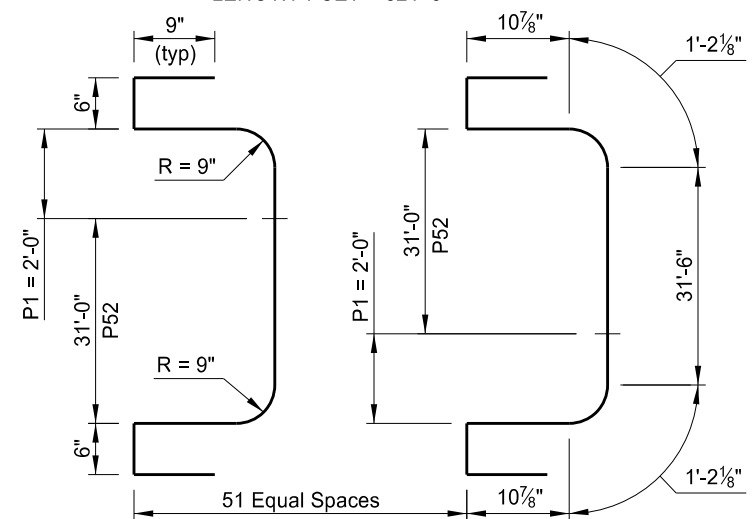


(C1) - (C10) & (C35) - (C41)



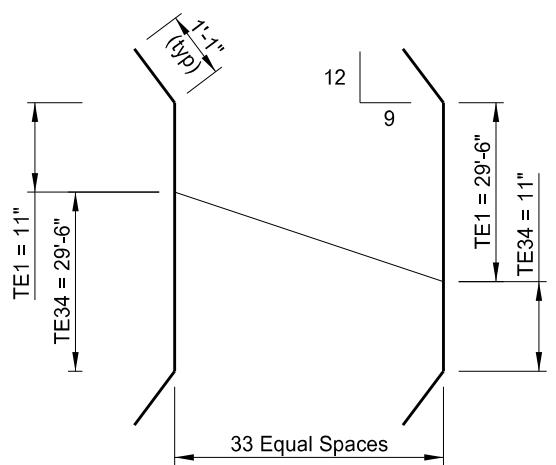
(F70) - (F103)

2 SETS SHOWN  
2 SETS REQUIRED  
LENGTH 1 SET = 821'-8"



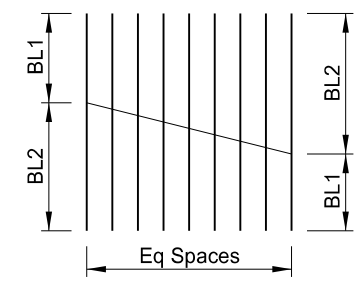
(P1) - (P52)

2 SETS SHOWN  
2 SETS REQUIRED  
LENGTH 1 SET = 1031'-4"



(TE1) - (TE34)

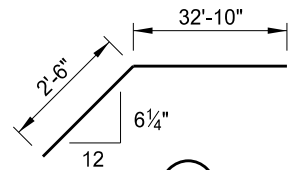
2 SETS SHOWN  
2 SETS REQUIRED  
LENGTH 1 SET = 553'-11"



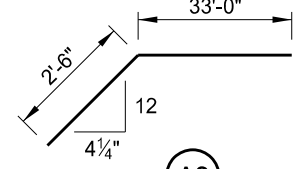
2 SETS SHOWN

MARK	LENGTH 1 SET	BL1	BL2	SPACES
O1-O21	164'-6"	4'-1"	11'-7"	20
O22-O33	89'-6"	3'-4"	11'-7"	11
F10-F38	763'-8"	49'-7"	3'-1"	28
F40-F62	595'-2"	44'-11"	6'-10"	22
F63-F68	45'-0"	11'-10"	3'-2"	5
F104-F137	762'-2"	7'-11"	36'-11"	33
S6-S29	566'-0"	43'-6"	3'-8"	23
S30-S57	715'-2"	48'-11"	2'-2"	27
T4-T15	141'-0"	14'-6"	9'-0"	11
T17-T28	229'-0"	21'-10"	16'-4"	11
T30-T41	317'-0"	29'-2"	23'-8"	11

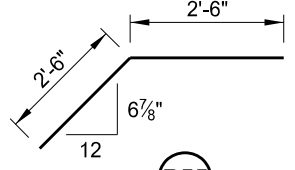
BAR CUTTING DETAILS



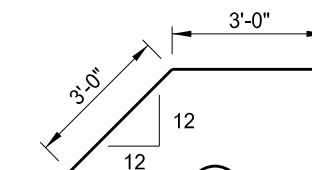
(A1)



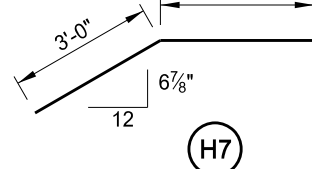
(A2)



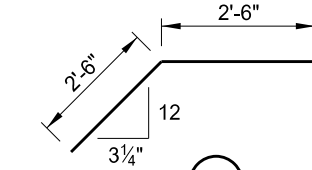
(P55)



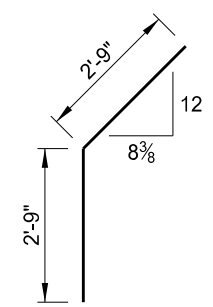
(H16)



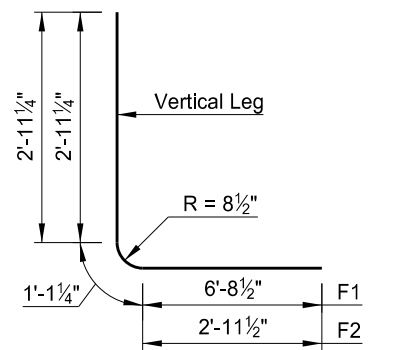
(H7)



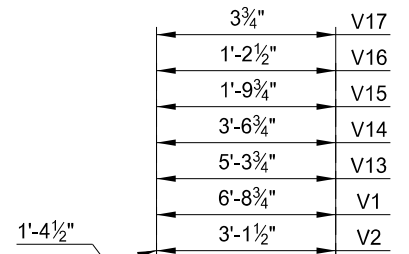
(P53)



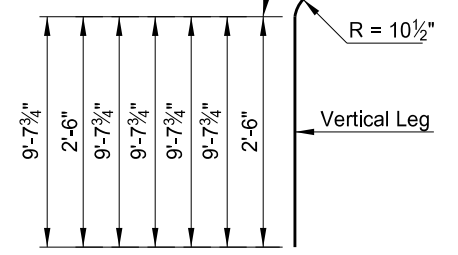
(F69)



(F1) & (F2)



(V1) & (V2) & (V13) - (V17)



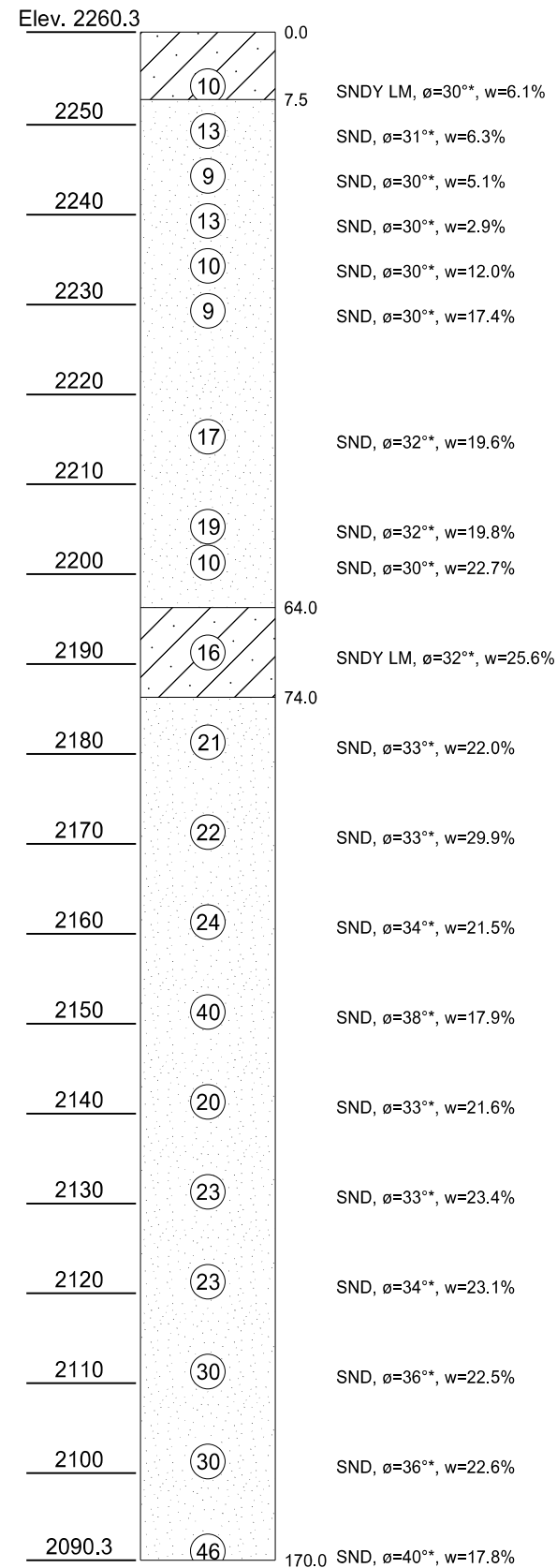
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SPRING CREEK OVERFLOW

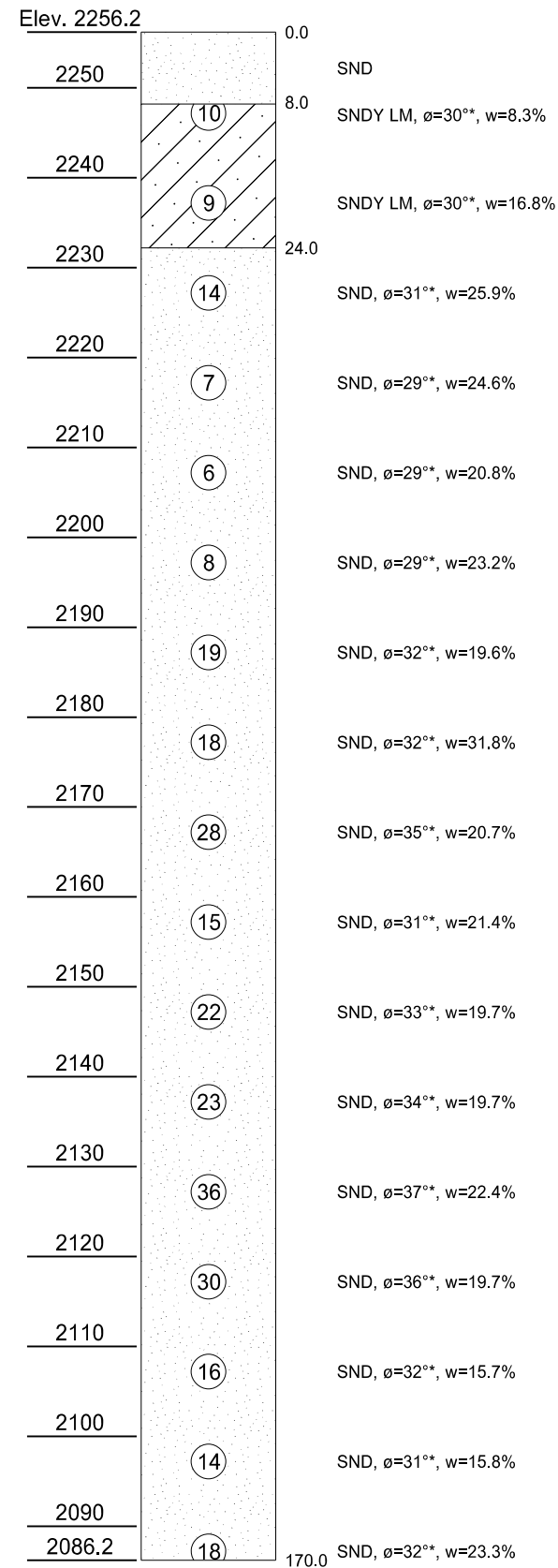
BAR DETAILS



STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	175	1



Boring Number 1  
Spring Creek Station 4917+15.36 - 45' RT  
Drilled on 10/15/2012 to 10/24/2012



Boring Number 2  
Spring Creek Station 4916+30.36 - 59' LT  
Drilled on 10/22/2012 to 10/23/2012

Notes:

THE ENCIRCLED NUMBERS INDICATE THE NUMBER OF BLOWS DELIVERED BY A 140 POUND AUTOMATIC HAMMER FROM A HEIGHT OF 30 INCHES TO DRIVE A 2 INCH O.D. SPLIT-BARREL SAMPLER 1 FOOT.

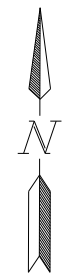
THE BORING DATA SHOWN IS FOR NORTH DAKOTA DEPARTMENT OF TRANSPORTATION'S (NDDOT) DESIGN AND ESTIMATING PURPOSES ONLY. THE BORING LOGS ARE ONLY REPRESENTATIVE OF THE EXACT LOCATION FROM WHICH THE SAMPLES WERE TAKEN AND INTERPRETATION BETWEEN THE SAMPLE LOCATIONS IS DISCOURAGED. THE NDDOT ASSUMES NO RESPONSIBILITY IF THE SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION DIFFER FROM THOSE SHOWN. FURTHER SOIL INFORMATION MAY BE AVAILABLE AT:

NDDOT  
MATERIALS & RESEARCH DIVISION  
300 AIRPORT ROAD  
BISMARCK, NORTH DAKOTA 58504-6005  
PHONE (701)328-6900

q<sub>u</sub>=Unconfined Compressive Strength (psf)  
w=Moisture Content (%)  
phi=Friction Angle (deg)  
c=Cohesion (psf)  
gamma<sub>d</sub>=Dry Density (pcf)  
\*These cohesive values and friction angles are estimated from blow counts

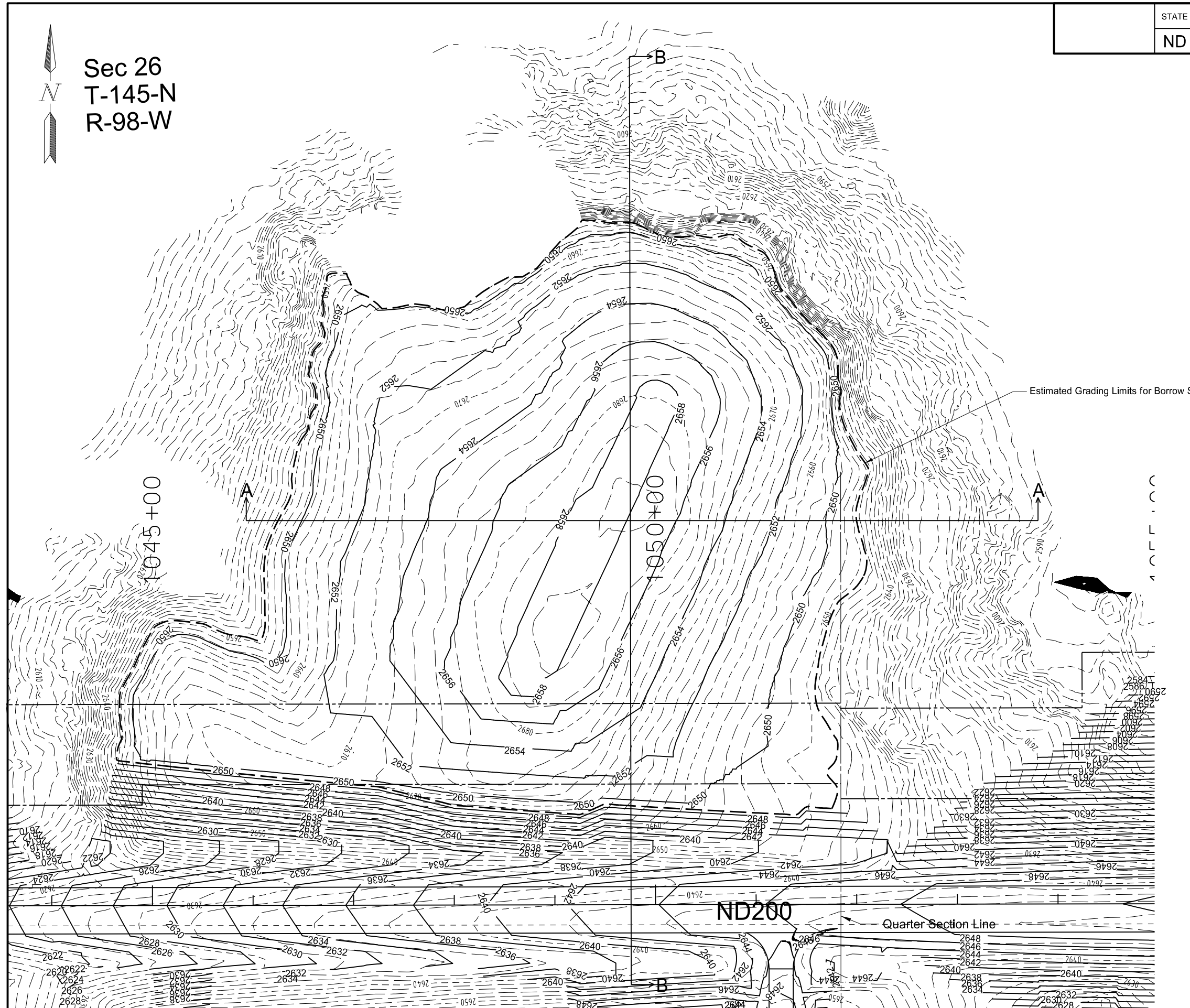
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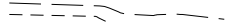

Spring Creek  
Boring Logs



Sec 26  
T-145-N  
R-98-W

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	180	1

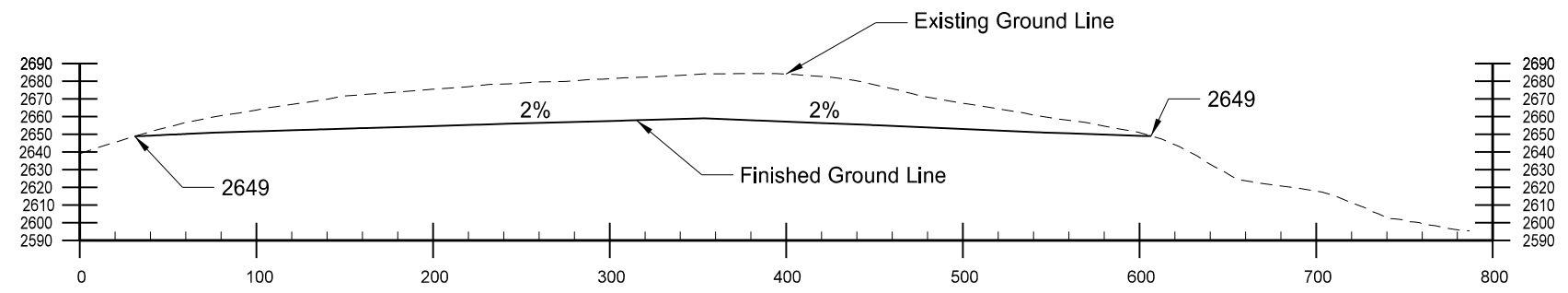


-  Proposed ROW
-  Existing ROW
-  Proposed Easement
-  Existing Contours
-  Proposed Contours

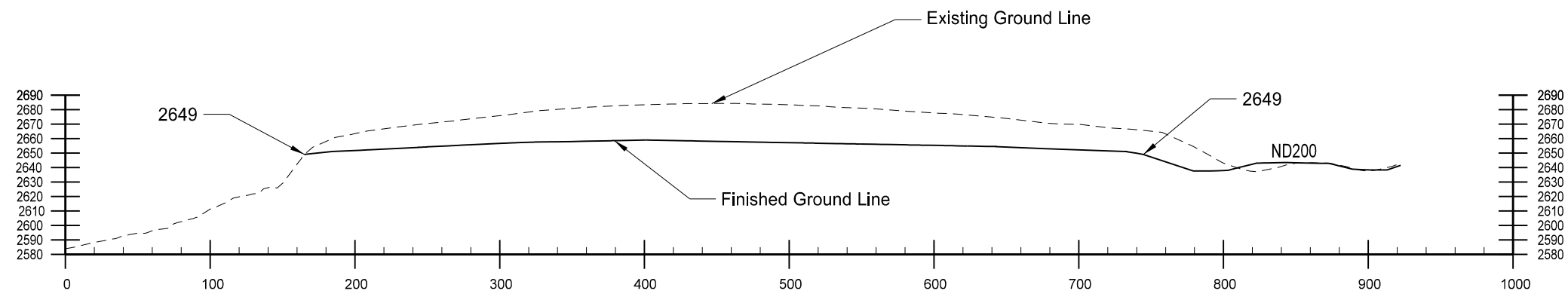
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ND Hwy 200  
 McKenzie County  
 Department Optioned Borrow Site

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SOIB-5-200(024)075	180	2



Typical Section A-A



Typical Section B-B

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