Appendix A

Horizontal Alignment Report, Plans, Profiles, Contour Plan, Typical Sections

Horizontal Alignment Review Report

Report Created: 8/3/2023
Time: 11:11am

Project: Default
Description:
File Name: d:\pwv8i_working\dferris\d0321103\123629_fea_rwy_alg_proposed_2.dgn
Last Revised: 8/3/2023 11:09:08

Note: All units in this report are in feet unless specified otherwise.

Alignment Name: NB ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting
Element: Linear				
POB	( )	NB 10+00.00	1545780.2362	666302.6992
	EQNBK	10+00.00	1545780.2362	666302.6992
	EQNAHD	NB 10+00.00	1545780.2362	666302.6992
PI	( )	NB 11+49.96	1545927.8686	666329.0183
Tangential Direction:		N 10°06'29.4" E		
Tangential Length:		149.960		
Element: Linear				
PI	( )	NB 11+49.96	1545927.8686	666329.0183
PC	( )	NB 12+63.80	1546038.9477	666353.9474
Tangential Direction:		N 12°38'56.8" E		
Tangential Length:		113.842		
Element: Circular				
PC	( )	NB 12+63.80	1546038.9477	666353.9474
PI	( )	NB 13+03.56	1546077.7378	666362.6529
CC	( )		1546017.0498	666451.5203
PRC	( )	NB 13+39.48	1546099.9630	666395.6150
Radius:		100.000		
Delta:		43°21'38.1" Right		
Degree of Curvature (Arc):		57°17'44.8"		
Length:		75.679		
Tangent:		39.755		
Chord:		73.885		
Middle Ordinate:		7.074		
External:		7.613		
Tangent Direction:		N 12°38'56.8" E		
Radial Direction:		S 77°21'03.2" E		
Chord Direction:		N 34°19'45.8" E		

Radial Direction:	S 33°59'25.1" E
Tangent Direction:	N 56°00'34.9" E

Element: Circular

PRC	( )	NB 13+39.48	1546099.9630	666395.6150
PI	( )	NB 13+88.23	1546127.2160	666436.0341
CC	( )		1546141.4196	666367.6624
PRC	( )	NB 14+16.75	1546168.3127	666409.8140

Radius:	50.000
Delta:	88°32'52.6" Left
Degree of Curvature (Arc):	114°35'29.6"
Length:	77.273
Tangent:	48.749
Chord:	69.809
Middle Ordinate:	14.200
External:	19.831
Tangent Direction:	N 56°00'34.9" E
Radial Direction:	S 33°59'25.1" E
Chord Direction:	N 11°44'08.6" E
Radial Direction:	N 57°27'42.3" E
Tangent Direction:	N 32°32'17.7" W

Element: Circular

PRC	( )	NB 14+16.75	1546168.3127	666409.8140
PI	( )	NB 14+55.73	1546201.1728	666388.8490
CC	( )		1546222.0990	666494.1173
PT	( )	NB 14+91.09	1546239.5529	666395.6523

Radius:	100.000
Delta:	42°35'24.3" Right
Degree of Curvature (Arc):	57°17'44.8"
Length:	74.334
Tangent:	38.978
Chord:	72.634
Middle Ordinate:	6.828
External:	7.328
Tangent Direction:	N 32°32'17.7" W
Radial Direction:	N 57°27'42.3" E
Chord Direction:	N 11°14'35.6" W
Radial Direction:	S 79°56'53.5" E
Tangent Direction:	N 10°03'06.5" E

Element: Linear

PT	( )	NB 14+91.09	1546239.5529	666395.6523
PI	( )	NB 15+82.18	1546329.2493	666411.5518

Tangential Direction:	N 10°03'06.5" E
Tangential Length:	91.095

Element: Linear				
PI	( )	NB 15+82.18	1546329.2493	666411.5518
POE	( )	NB 16+96.84	1546441.0493	666436.9825
Tangential Direction:		N 12°48'53.3" E		
Tangential Length:		114.656		

Alignment Name: SB ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting
Element: Linear				
POB	( )	SB 10+00.00	1546441.0493	666436.9825
	EQNBK	10+00.00	1546441.0492	666436.9825
	EQNAHD	SB 10+00.00	1546441.0492	666436.9825
PI	( )	SB 11+14.66	1546329.2493	666411.5518
Tangential Direction:		S 12°48'53.3" W		
Tangential Length:		114.656		
Element: Linear				
PI	( )	SB 11+14.66	1546329.2493	666411.5518
PC	( )	SB 12+03.45	1546243.7203	666387.7074
Tangential Direction:		S 15°34'40.0" W		
Tangential Length:		88.791		
Element: Circular				
PC	( )	SB 12+03.45	1546243.7203	666387.7074
PI	( )	SB 12+43.70	1546204.9432	666376.8969
CC	( )		1546270.5750	666291.3808
PRC	( )	SB 12+79.99	1546184.4714	666342.2352
Radius:		100.000		
Delta:		43°51'19.1" Right		
Degree of Curvature (Arc):		57°17'44.8"		
Length:		76.542		
Tangent:		40.256		
Chord:		74.687		
Middle Ordinate:		7.234		
External:		7.799		
Tangent Direction:		S 15°34'40.0" W		
Radial Direction:		N 74°25'20.0" W		
Chord Direction:		S 37°30'19.6" W		
Radial Direction:		N 30°34'00.9" W		
Tangent Direction:		S 59°25'59.1" W		
Element: Circular				
PRC	( )	SB 12+79.99	1546184.4714	666342.2352
PI	( )	SB 13+34.17	1546156.9185	666295.5844

CC	( )		1546141.4196	666367.6624
PRC	( )	SB 13+62.54	1546112.6251	666326.7861
Radius:		50.000		
Delta:		94°35'42.4" Left		
Degree of Curvature (Arc):		114°35'29.6"		
Length:		82.550		
Tangent:		54.180		
Chord:		73.489		
Middle Ordinate:		16.090		
External:		23.726		
Tangent Direction:		S 59°25'59.1" W		
Radial Direction:		N 30°34'00.9" W		
Chord Direction:		S 12°08'07.9" W		
Radial Direction:		S 54°50'16.6" W		
Tangent Direction:		S 35°09'43.4" E		

Element: Circular

PRC	( )	SB 13+62.54	1546112.6251	666326.7861
PI	( )	SB 14+01.66	1546080.6447	666349.3140
CC	( )		1546055.0360	666245.0334
PT	( )	SB 14+37.11	1546041.8670	666344.1625
Radius:		100.000		
Delta:		42°43'45.4" Right		
Degree of Curvature (Arc):		57°17'44.8"		
Length:		74.577		
Tangent:		39.118		
Chord:		72.860		
Middle Ordinate:		6.872		
External:		7.379		
Tangent Direction:		S 35°09'43.4" E		
Radial Direction:		S 54°50'16.6" W		
Chord Direction:		S 13°47'50.7" E		
Radial Direction:		N 82°25'58.0" W		
Tangent Direction:		S 7°34'02.0" W		

Element: Linear

PT	( )	SB 14+37.11	1546041.8670	666344.1625
PI	( )	SB 15+52.11	1545927.8686	666329.0183
Tangential Direction:		S 7°34'02.0" W		
Tangential Length:		115.000		

Element: Linear

PI	( )	SB 15+52.11	1545927.8686	666329.0183
POE	( )	SB 17+02.07	1545780.2362	666302.6992
Tangential Direction:		S 10°06'29.4" W		
Tangential Length:		149.960		

EB ALG

Alignment Name:
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting
Element: Linear				
POB	( )	EB 10+00.00	1546114.5828	665749.9195
	EQNBK	10+00.00	1546114.5828	665749.9195
	EQNAHD	EB 10+00.00	1546114.5828	665749.9195
PI	( )	EB 12+20.54	1546119.1311	665970.4160
Tangential Direction:		N 88°49'05.9" E		
Tangential Length:		220.543		
Element: Linear				
PI	( )	EB 12+20.54	1546119.1311	665970.4160
PC	( )	EB 15+14.75	1546129.3316	666264.4469
Tangential Direction:		N 88°00'47.2" E		
Tangential Length:		294.208		
Element: Circular				
PC	( )	EB 15+14.75	1546129.3316	666264.4469
PI	( )	EB 15+54.82	1546130.7207	666304.4892
CC	( )		1546029.3917	666267.9140
PRC	( )	EB 15+90.97	1546104.0770	666334.4129
Radius:		100.000		
Delta:		43°40'06.3" Right		
Degree of Curvature (Arc):		57°17'44.8"		
Length:		76.216		
Tangent:		40.066		
Chord:		74.384		
Middle Ordinate:		7.174		
External:		7.728		
Tangent Direction:		N 88°00'47.2" E		
Radial Direction:		S 1°59'12.8" E		
Chord Direction:		S 70°09'09.7" E		
Radial Direction:		S 41°40'53.5" W		
Tangent Direction:		S 48°19'06.5" E		
Element: Circular				
PRC	( )	EB 15+90.97	1546104.0770	666334.4129
PI	( )	EB 16+32.05	1546076.7593	666365.0936
CC	( )		1546141.4196	666367.6624
PRC	( )	EB 16+59.74	1546101.5569	666397.8447
Radius:		50.000		
Delta:		78°48'46.5" Left		
Degree of Curvature (Arc):		114°35'29.6"		
Length:		68.777		

Tangent:	41.080
Chord:	63.482
Middle Ordinate:	11.367
External:	14.711
Tangent Direction:	S 48°19'06.5" E
Radial Direction:	S 41°40'53.5" W
Chord Direction:	S 87°43'29.7" E
Radial Direction:	S 37°07'53.0" E
Tangent Direction:	N 52°52'07.0" E

Element: Circular

PRC	( )	EB 16+59.74	1546101.5569	666397.8447
PI	( )	EB 16+90.37	1546120.0440	666422.2611
CC	( )		1546021.8316	666458.2092
PT	( )	EB 17+19.18	1546121.6875	666452.8428

Radius:	100.000
Delta:	34°03'18.7" Right
Degree of Curvature (Arc):	57°17'44.8"
Length:	59.438
Tangent:	30.626
Chord:	58.566
Middle Ordinate:	4.384
External:	4.585
Tangent Direction:	N 52°52'07.0" E
Radial Direction:	S 37°07'53.0" E
Chord Direction:	N 69°53'46.4" E
Radial Direction:	S 3°04'34.3" E
Tangent Direction:	N 86°55'25.7" E

Element: Linear

PT	( )	EB 17+19.18	1546121.6875	666452.8428
PI	( )	EB 20+49.27	1546139.4015	666782.4589

Tangential Direction:	N 86°55'25.7" E
Tangential Length:	330.092

Element: Linear

PI	( )	EB 20+49.27	1546139.4015	666782.4589
POE	( )	EB 22+52.41	1546144.1239	666985.5363

Tangential Direction:	N 88°40'04.3" E
Tangential Length:	203.132

Alignment Name: WB ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting

Element: Linear

POB	( )	WB 10+00.00	1546144.1239	666985.5363

	EQNBK	10+00.00	1546144.1239	666985.5363
	EQNAHD	WB 10+00.00	1546144.1239	666985.5363
PC	( )	WB 14+96.54	1546132.5803	666489.1285
Tangential Direction:		S 88°40'04.3" W		
Tangential Length:		496.542		

Element: Circular

PC	( )	WB 14+96.54	1546132.5803	666489.1285
PI	( )	WB 15+47.41	1546131.3979	666438.2787
CC	( )		1546232.5533	666486.8037
PRC	( )	WB 15+90.65	1546171.7975	666407.3762
Radius:		100.000		
Delta:		53°55'08.3" Right		
Degree of Curvature (Arc):		57°17'44.8"		
Length:		94.106		
Tangent:		50.864		
Chord:		90.672		
Middle Ordinate:		10.867		
External:		12.192		
Tangent Direction:		S 88°40'04.3" W		
Radial Direction:		N 1°19'55.7" W		
Chord Direction:		N 64°22'21.5" W		
Radial Direction:		N 52°35'12.7" E		
Tangent Direction:		N 37°24'47.3" W		

Element: Circular

PRC	( )	WB 15+90.65	1546171.7975	666407.3762
PI	( )	WB 16+52.67	1546221.0593	666369.6948
CC	( )		1546141.4196	666367.6624
PRC	( )	WB 16+79.88	1546173.7836	666329.5498
Radius:		50.000		
Delta:		102°15'00.0" Left		
Degree of Curvature (Arc):		114°35'29.6"		
Length:		89.230		
Tangent:		62.021		
Chord:		77.852		
Middle Ordinate:		18.619		
External:		29.666		
Tangent Direction:		N 37°24'47.3" W		
Radial Direction:		N 52°35'12.7" E		
Chord Direction:		N 88°32'17.3" W		
Radial Direction:		N 49°39'47.4" W		
Tangent Direction:		S 40°20'12.6" W		

Element: Circular

PRC	( )	WB 16+79.88	1546173.7836	666329.5498
PI	( )	WB 17+22.11	1546141.5923	666302.2140

CC	( )		1546238.5116	666253.3246
PT	( )	WB 17+59.80	1546138.7400	666260.0787
Radius:		100.000		
Delta:		45°47'25.5" Right		
Degree of Curvature (Arc):		57°17'44.8"		
Length:		79.919		
Tangent:		42.232		
Chord:		77.809		
Middle Ordinate:		7.878		
External:		8.552		
Tangent Direction:		S 40°20'12.6" W		
Radial Direction:		N 49°39'47.4" W		
Chord Direction:		S 63°13'55.4" W		
Radial Direction:		N 3°52'21.9" W		
Tangent Direction:		S 86°07'38.1" W		

Element: Linear

PT	( )	WB 17+59.80	1546138.7400	666260.0787
PI	( )	WB 20+50.12	1546119.1311	665970.4160
Tangential Direction:		S 86°07'38.1" W		
Tangential Length:		290.326		

Element: Linear

PI	( )	WB 20+50.12	1546119.1311	665970.4160
POE	( )	WB 22+70.67	1546114.5828	665749.9195
Tangential Direction:		S 88°49'05.9" W		
Tangential Length:		220.543		

Alignment Name: NW PET ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting
Element: Linear				
POB	( )	NWT 10+00.00	1546443.7109	666425.2814
	EQNBK	10+00.00	1546443.7109	666425.2814
	EQNAHD	NWT 10+00.00	1546443.7109	666425.2814
PI	( )	NWT 10+94.58	1546351.4899	666404.3043
Tangential Direction:		S 12°48'53.3" W		
Tangential Length:		94.577		
Element: Linear				
PI	( )	NWT 10+94.58	1546351.4899	666404.3043
PI	( )	NWT 11+14.37	1546332.1931	666399.9149
Tangential Direction:		S 12°48'53.3" W		
Tangential Length:		19.790		
Element: Linear				

PI	( )	NWT 11+14.37	1546332.1931	666399.9149
PC	( )	NWT 11+89.39	1546259.9298	666379.7688
Tangential Direction:		S 15°34'40.0" W		
Tangential Length:		75.019		

Element: Circular

PC	( )	NWT 11+89.39	1546259.9298	666379.7688
PI	( )	NWT 12+30.13	1546220.6829	666368.8273
CC	( )		1546286.7845	666283.4421
PRC	( )	NWT 12+66.77	1546200.2578	666333.5733
Radius:		100.000		
Delta:		44°20'07.5" Right		
Degree of Curvature (Arc):		57°17'44.7"		
Length:		77.380		
Tangent:		40.744		
Chord:		75.464		
Middle Ordinate:		7.392		
External:		7.982		
Tangent Direction:		S 15°34'40.0" W		
Radial Direction:		N 74°25'20.0" W		
Chord Direction:		S 37°44'43.8" W		
Radial Direction:		N 30°05'12.4" W		
Tangent Direction:		S 59°54'47.6" W		

Element: Circular

PRC	( )	NWT 12+66.77	1546200.2578	666333.5733
PI	( )	NWT 12+78.66	1546194.2966	666323.2842
CC	( )		1546141.4196	666367.6624
PRC	( )	NWT 12+90.31	1546185.1975	666315.6288
Radius:		68.000		
Delta:		19°50'16.9" Left		
Degree of Curvature (Arc):		84°15'30.6"		
Length:		23.544		
Tangent:		11.891		
Chord:		23.427		
Middle Ordinate:		1.016		
External:		1.032		
Tangent Direction:		S 59°54'47.6" W		
Radial Direction:		N 30°05'12.4" W		
Chord Direction:		S 49°59'39.2" W		
Radial Direction:		N 49°55'29.3" W		
Tangent Direction:		S 40°04'30.7" W		

Element: Circular

PRC	( )	NWT 12+90.31	1546185.1975	666315.6288
PI	( )	NWT 13+32.81	1546152.6756	666288.2669
CC	( )		1546249.5768	666239.1088

PT	( )	NWT 13+70.69	1546149.8051	666245.8629
Radius:		100.000		
Delta:		46°03'07.3" Right		
Degree of Curvature (Arc):		57°17'44.8"		
Length:		80.376		
Tangent:		42.501		
Chord:		78.230		
Middle Ordinate:		7.967		
External:		8.657		
Tangent Direction:		S 40°04'30.8" W		
Radial Direction:		N 49°55'29.2" W		
Chord Direction:		S 63°06'04.4" W		
Radial Direction:		N 3°52'21.9" W		
Tangent Direction:		S 86°07'38.1" W		

Element: Linear

PT	( )	NWT 13+70.69	1546149.8051	666245.8629
PI	( )	NWT 16+47.58	1546131.1037	665969.6055
Tangential Direction:		S 86°07'38.1" W		
Tangential Length:		276.890		

Element: Linear

PI	( )	NWT 16+47.58	1546131.1037	665969.6055
PI	( )	NWT 17+67.57	1546128.6424	665849.6408
Tangential Direction:		S 88°49'28.6" W		
Tangential Length:		119.990		

Element: Linear

PI	( )	NWT 17+67.57	1546128.6424	665849.6408
PI	( )	NWT 18+17.57	1546126.6117	665799.6820
Tangential Direction:		S 87°40'20.3" W		
Tangential Length:		50.000		

Element: Linear

PI	( )	NWT 18+17.57	1546126.6117	665799.6820
POE	( )	NWT 18+67.57	1546125.5805	665749.6926
Tangential Direction:		S 88°49'05.9" W		
Tangential Length:		50.000		

Alignment Name: NE PET ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting

Element: Linear

POB	( )	NET 10+00.00	1546155.1209	666985.2806
	EQNBK	10+00.00	1546155.1209	666985.2805
	EQNAHD	NET 10+00.00	1546155.1209	666985.2805

PI	( )	NET 10+50.00	1546153.9585	666935.2941
Tangential Direction:		S 88°40'04.3" W		
Tangential Length:		50.000		

Element: Linear

PI	( )	NET 10+50.00	1546153.9585	666935.2941
PI	( )	NET 11+00.00	1546153.7961	666885.2943
Tangential Direction:		S 89°48'49.9" W		
Tangential Length:		50.000		

Element: Linear

PI	( )	NET 11+00.00	1546153.7961	666885.2943
PC	( )	NET 14+83.04	1546144.8913	666502.3624
Tangential Direction:		S 88°40'04.3" W		
Tangential Length:		383.035		

Element: Circular

PC	( )	NET 14+83.04	1546144.8913	666502.3624
PI	( )	NET 15+27.13	1546143.8662	666458.2801
CC	( )		1546244.8643	666500.0376
PCC	( )	NET 15+66.09	1546175.7221	666427.7925
Radius:		100.000		
Delta:		47°35'21.8" Right		
Degree of Curvature (Arc):		57°17'44.8"		
Length:		83.059		
Tangent:		44.094		
Chord:		80.692		
Middle Ordinate:		8.500		
External:		9.290		
Tangent Direction:		S 88°40'04.3" W		
Radial Direction:		N 1°19'55.7" W		
Chord Direction:		N 67°32'14.8" W		
Radial Direction:		N 46°15'26.1" E		
Tangent Direction:		N 43°44'33.9" W		

Element: Circular

PCC	( )	NET 15+66.09	1546175.7221	666427.7925
PI	( )	NET 15+73.26	1546180.8999	666422.8371
CC	( )		1546210.2932	666463.9150
PCC	( )	NET 15+80.33	1546187.2611	666419.5357
Radius:		50.000		
Delta:		16°18'51.1" Right		
Degree of Curvature (Arc):		114°35'29.6"		
Length:		14.237		
Tangent:		7.167		
Chord:		14.189		
Middle Ordinate:		0.506		

External:	0.511
Tangent Direction:	N 43°44'33.9" W
Radial Direction:	N 46°15'26.1" E
Chord Direction:	N 35°35'08.3" W
Radial Direction:	N 62°34'17.2" E
Tangent Direction:	N 27°25'42.8" W

Element: Circular

PCC	( )	NET 15+80.33	1546187.2611	666419.5357
PI	( )	NET 16+14.26	1546217.3736	666403.9079
CC	( )		1546233.3253	666508.2943
PT	( )	NET 16+45.75	1546250.7792	666409.8293

Radius:	100.000
Delta:	37°28'49.3" Right
Degree of Curvature (Arc):	57°17'44.8"
Length:	65.416
Tangent:	33.926
Chord:	64.255
Middle Ordinate:	5.301
External:	5.598
Tangent Direction:	N 27°25'42.8" W
Radial Direction:	N 62°34'17.2" E
Chord Direction:	N 8°41'18.1" W
Radial Direction:	S 79°56'53.5" E
Tangent Direction:	N 10°03'06.5" E

Element: Linear

PT	( )	NET 16+45.75	1546250.7792	666409.8293
PI	( )	NET 17+23.02	1546326.8699	666423.3171

Tangential Direction:	N 10°03'06.5" E
Tangential Length:	77.277

Element: Linear

PI	( )	NET 17+23.02	1546326.8699	666423.3171
POE	( )	NET 18+37.39	1546438.3876	666448.6836

Tangential Direction:	N 12°48'53.3" E
Tangential Length:	114.366

Alignment Name: SE PET ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting

Element: Linear

POB	( )	SET 10+00.00	1545778.4812	666312.5440
	EQNBK	10+00.00	1545778.4812	666312.5440
	EQNAHD	SET 10+00.00	1545778.4812	666312.5440
PI	( )	SET 10+50.00	1545827.7051	666321.3194

Tangential Direction:		N 10°06'29.4" E		
Tangential Length:		50.000		
Element: Linear				
PI	( )	SET 10+50.00	1545827.7051	666321.3194
PI	( )	SET 11+00.00	1545876.5386	666332.0566
Tangential Direction:		N 12°24'02.2" E		
Tangential Length:		50.000		
Element: Linear				
PI	( )	SET 11+00.00	1545876.5386	666332.0566
PI	( )	SET 11+49.73	1545925.5005	666340.7853
Tangential Direction:		N 10°06'29.4" E		
Tangential Length:		49.734		
Element: Linear				
PI	( )	SET 11+49.73	1545925.5005	666340.7853
PC	( )	SET 12+49.81	1546023.1489	666362.7002
Tangential Direction:		N 12°38'56.8" E		
Tangential Length:		100.077		
Element: Circular				
PC	( )	SET 12+49.81	1546023.1489	666362.7002
PI	( )	SET 12+90.11	1546062.4697	666371.5248
CC	( )		1546001.2509	666460.2731
PRC	( )	SET 13+26.43	1546084.6846	666405.1477
Radius:		100.000		
Delta:		43°53'52.1" Right		
Degree of Curvature (Arc):		57°17'44.8"		
Length:		76.616		
Tangent:		40.299		
Chord:		74.756		
Middle Ordinate:		7.248		
External:		7.815		
Tangent Direction:		N 12°38'56.8" E		
Radial Direction:		S 77°21'03.2" E		
Chord Direction:		N 34°35'52.8" E		
Radial Direction:		S 33°27'11.1" E		
Tangent Direction:		N 56°32'48.9" E		
Element: Circular				
PRC	( )	SET 13+26.43	1546084.6846	666405.1477
PI	( )	SET 13+29.64	1546086.4569	666407.8301
CC	( )		1546141.4196	666367.6624
PRC	( )	SET 13+32.85	1546088.4743	666410.3333
Radius:		68.000		
Delta:		5°24'49.5" Left		
Degree of Curvature (Arc):		84°15'30.6"		

Length:		6.425		
Tangent:		3.215		
Chord:		6.423		
Middle Ordinate:		0.076		
External:		0.076		
Tangent Direction:		N 56°32'48.9" E		
Radial Direction:		S 33°27'11.1" E		
Chord Direction:		N 53°50'24.1" E		
Radial Direction:		S 38°52'00.6" E		
Tangent Direction:		N 51°07'59.4" E		

Element: Circular

PRC	( )	SET 13+32.85	1546088.4743	666410.3333
PI	( )	SET 13+65.14	1546108.7368	666435.4746
CC	( )		1546010.6137	666473.0845
PT	( )	SET 13+95.32	1546110.4696	666467.7181
Radius:		100.000		
Delta:		35°47'26.4" Right		
Degree of Curvature (Arc):		57°17'44.9"		
Length:		62.466		
Tangent:		32.290		
Chord:		61.456		
Middle Ordinate:		4.838		
External:		5.084		
Tangent Direction:		N 51°07'59.3" E		
Radial Direction:		S 38°52'00.7" E		
Chord Direction:		N 69°01'42.5" E		
Radial Direction:		S 3°04'34.3" E		
Tangent Direction:		N 86°55'25.7" E		

Element: Linear

PT	( )	SET 13+95.32	1546110.4696	666467.7181
PI	( )	SET 17+10.98	1546127.4090	666782.9205
Tangential Direction:		N 86°55'25.7" E		
Tangential Length:		315.657		

Element: Linear

PI	( )	SET 17+10.98	1546127.4090	666782.9205
PI	( )	SET 18+13.94	1546129.8026	666885.8523
Tangential Direction:		N 88°40'04.3" E		
Tangential Length:		102.960		

Element: Linear

PI	( )	SET 18+13.94	1546129.8026	666885.8523
PI	( )	SET 18+63.94	1546131.9645	666935.8055
Tangential Direction:		N 87°31'18.8" E		
Tangential Length:		50.000		

Element: Linear

PI	( )	SET 18+63.94	1546131.9645	666935.8055
POE	( )	SET 19+13.94	1546133.1269	666985.7920
Tangential Direction:		N 88°40'04.3" E		
Tangential Length:		50.000		

Alignment Name: SW PET ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting
Element: Linear				
POB	( )	SWT 10+00.00	1546103.5852	665750.1464
	EQNBK	10+00.00	1546103.5852	665750.1464
	EQNAHD	SWT 10+00.00	1546103.5852	665750.1464
PI	( )	SWT 10+50.00	1546104.6163	665800.1357
Tangential Direction:		N 88°49'05.9" E		
Tangential Length:		50.000		
Element: Linear				
PI	( )	SWT 10+50.00	1546104.6163	665800.1357
PI	( )	SWT 11+00.00	1546104.6475	665850.1357
Tangential Direction:		N 89°57'51.4" E		
Tangential Length:		50.000		
Element: Linear				
PI	( )	SWT 11+00.00	1546104.6475	665850.1357
PI	( )	SWT 12+20.64	1546107.1354	665970.7478
Tangential Direction:		N 88°49'05.9" E		
Tangential Length:		120.638		
Element: Linear				
PI	( )	SWT 12+20.64	1546107.1354	665970.7478
PC	( )	SWT 15+01.44	1546116.8712	666251.3828
Tangential Direction:		N 88°00'47.2" E		
Tangential Length:		280.804		
Element: Circular				
PC	( )	SWT 15+01.44	1546116.8712	666251.3828
PI	( )	SWT 15+27.82	1546117.7856	666277.7432
CC	( )		1546016.9313	666254.8499
PCC	( )	SWT 15+53.02	1546105.5799	666301.1253
	Radius:	100.000		
	Delta:	29°33'06.7" Right		
Degree of Curvature (Arc):		57°17'44.8"		
	Length:	51.578		
	Tangent:	26.376		

Chord:	51.008
Middle Ordinate:	3.307
External:	3.420
Tangent Direction:	N 88°00'47.2" E
Radial Direction:	S 1°59'12.8" E
Chord Direction:	S 77°12'39.5" E
Radial Direction:	S 27°33'53.9" W
Tangent Direction:	S 62°26'06.1" E

Element: Circular

PCC	( )	SWT 15+53.02	1546105.5799	666301.1253
PI	( )	SWT 15+71.85	1546096.8645	666317.8213
CC	( )		1546061.2556	666277.9876
PCC	( )	SWT 15+89.04	1546079.2999	666324.6181

Radius:	50.000
Delta:	41°16'49.4" Right
Degree of Curvature (Arc):	114°35'29.6"
Length:	36.024
Tangent:	18.834
Chord:	35.250
Middle Ordinate:	3.209
External:	3.430
Tangent Direction:	S 62°26'06.1" E
Radial Direction:	S 27°33'53.9" W
Chord Direction:	S 41°47'41.4" E
Radial Direction:	S 68°50'43.3" W
Tangent Direction:	S 21°09'16.7" E

Element: Circular

PCC	( )	SWT 15+89.04	1546079.2999	666324.6181
PI	( )	SWT 16+14.65	1546055.4224	666333.8579
CC	( )		1546043.2113	666231.3571
PT	( )	SWT 16+39.17	1546030.0424	666330.4862

Radius:	100.000
Delta:	28°43'18.7" Right
Degree of Curvature (Arc):	57°17'44.8"
Length:	50.129
Tangent:	25.603
Chord:	49.606
Middle Ordinate:	3.125
External:	3.226
Tangent Direction:	S 21°09'16.7" E
Radial Direction:	S 68°50'43.3" W
Chord Direction:	S 6°47'37.3" E
Radial Direction:	N 82°25'58.0" W
Tangent Direction:	S 7°34'02.0" W

Element: Linear

PT	( )	SWT 16+39.17	1546030.0424	666330.4862
PI	( )	SWT 17+40.38	1545929.7127	666317.1578
Tangential Direction:		S 7°34'02.0" W		
Tangential Length:		101.211		

Element: Linear

PI	( )	SWT 17+40.38	1545929.7127	666317.1578
PI	( )	SWT 17+90.12	1545880.7507	666308.4292
Tangential Direction:		S 10°06'29.4" W		
Tangential Length:		49.734		

Element: Linear

PI	( )	SWT 17+90.12	1545880.7507	666308.4292
PI	( )	SWT 18+40.12	1545831.2152	666301.6298
Tangential Direction:		S 7°48'56.6" W		
Tangential Length:		50.000		

Element: Linear

PI	( )	SWT 18+40.12	1545831.2152	666301.6298
POE	( )	SWT 18+90.12	1545781.9913	666292.8544
Tangential Direction:		S 10°06'29.4" W		
Tangential Length:		50.000		

Alignment Name: RBL ALG
Alignment Description:
Alignment Style: AC_P

Element: Circular

		Station	Northing	Easting
PC	( )	10+00.00 RBL	1546141.4196	666318.6624
CC	( )		1546141.4201	666367.6624
	EQNBK	10+00.00	1546141.4196	666318.6624
	EQNAHD	10+00.00 RBL	1546141.4196	666318.6624
PT	( )	10+00.00 RBL	1546141.4207	666318.6624
Radius:		49.000		
Delta:		359°59'55.5" Left		
Degree of Curvature (Arc):		116°55'48.6"		
Length:		307.875		
Tangent:		0.000		
Chord:		0.001		
Middle Ordinate:		0.000		
External:		0.000		
Tangent Direction:		S 0°00'02.3" E		
Radial Direction:		S 89°59'57.7" W		
Chord Direction:		N 0°00'00.0" E		
Radial Direction:		N 89°59'57.7" W		

Tangent Direction: S 0°00'02.3" W

Alignment Name: SPW ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting
Element: Circular				
PC	( )	SPW 1+00.00	1546134.5492	666212.9779
PI	( )	SPW 1+56.68	1546130.7209	666156.4259
CC	( )		1546132.5537	666213.1130
EQNBK		1+00.00	1546134.5492	666212.9779
EQNAHD		SPW 1+00.00	1546134.5492	666212.9779
PT	( )	SPW 1+06.14	1546130.5537	666213.1071
Radius:		2.000		
Delta:		175°57'30.0" Left		
Degree of Curvature (Arc):		2864°47'20.3"		
Length:		6.142		
Tangent:		56.681		
Chord:		3.998		
Middle Ordinate:		1.929		
External:		54.717		
Tangent Direction:		S 86°07'38.1" W		
Radial Direction:		N 3°52'21.9" W		
Chord Direction:		S 1°51'06.9" E		
Radial Direction:		S 0°10'08.1" W		
Tangent Direction:		S 89°49'51.9" E		
Element: Linear				
PT	( )	SPW 1+06.14	1546130.5537	666213.1071
PC	( )	SPW 1+61.25	1546130.3913	666268.2118
Tangential Direction:		S 89°49'51.9" E		
Tangential Length:		55.105		
Element: Circular				
PC	( )	SPW 1+61.25	1546130.3913	666268.2118
PI	( )	SPW 1+76.72	1546130.3457	666283.6825
CC	( )		1546029.3917	666267.9140
PRC	( )	SPW 1+91.95	1546125.6713	666298.4302
Radius:		101.000		
Delta:		17°25'02.3" Right		
Degree of Curvature (Arc):		56°43'42.6"		
Length:		30.703		
Tangent:		15.471		
Chord:		30.585		
Middle Ordinate:		1.164		
External:		1.178		

Tangent Direction:	S 89°49'51.9" E
Radial Direction:	S 0°10'08.1" W
Chord Direction:	S 81°07'20.7" E
Radial Direction:	S 17°35'10.4" W
Tangent Direction:	S 72°24'49.6" E

Element: Circular

PRC	( )	SPW 1+91.95	1546125.6713	666298.4302
PI	( )	SPW 1+93.83	1546125.1031	666300.2228
CC	( )		1546126.6246	666298.7323
PRC	( )	SPW 1+94.11	1546126.9071	666299.6916

Radius:	1.000
Delta:	123°59'41.7" Left
Degree of Curvature (Arc):	5729°34'40.6"
Length:	2.164
Tangent:	1.881
Chord:	1.766
Middle Ordinate:	0.530
External:	1.130
Tangent Direction:	S 72°24'49.6" E
Radial Direction:	S 17°35'10.4" W
Chord Direction:	N 45°35'19.5" E
Radial Direction:	N 73°35'28.7" E
Tangent Direction:	N 16°24'31.3" W

Element: Circular

PRC	( )	SPW 1+94.11	1546126.9071	666299.6916
PI	( )	SPW 2+01.30	1546133.8020	666297.6612
CC	( )		1546155.1558	666395.6187
PRC	( )	SPW 2+08.46	1546140.9164	666296.6377

Radius:	100.000
Delta:	8°13'20.4" Right
Degree of Curvature (Arc):	57°17'44.8"
Length:	14.351
Tangent:	7.188
Chord:	14.338
Middle Ordinate:	0.257
External:	0.258
Tangent Direction:	N 16°24'31.3" W
Radial Direction:	N 73°35'28.7" E
Chord Direction:	N 12°17'51.1" W
Radial Direction:	N 81°48'49.0" E
Tangent Direction:	N 8°11'11.0" W

Element: Circular

PRC	( )	SPW 2+08.46	1546140.9164	666296.6377
PI	( )	SPW 2+11.81	1546144.2320	666296.1607

CC	( )		1546140.4892	666293.6683
PRC	( )	SPW 2+13.51	1546143.3938	666292.9175
Radius:		3.000		
Delta:		96°18'19.8" Left		
Degree of Curvature (Arc):		1909°51'33.5"		
Length:		5.043		
Tangent:		3.350		
Chord:		4.470		
Middle Ordinate:		0.999		
External:		1.497		
Tangent Direction:		N 8°11'11.0" W		
Radial Direction:		N 81°48'49.0" E		
Chord Direction:		N 56°20'20.9" W		
Radial Direction:		N 14°29'30.8" W		
Tangent Direction:		S 75°30'29.2" W		

Element: Circular

PRC	( )	SPW 2+13.51	1546143.3938	666292.9175
PI	( )	SPW 2+32.09	1546138.7425	666274.9218
CC	( )		1546337.0304	666242.8690
PT	( )	SPW 2+50.58	1546137.4871	666256.3771
Radius:		200.000		
Delta:		10°37'08.9" Right		
Degree of Curvature (Arc):		28°38'52.4"		
Length:		37.068		
Tangent:		18.587		
Chord:		37.015		
Middle Ordinate:		0.858		
External:		0.862		
Tangent Direction:		S 75°30'29.2" W		
Radial Direction:		N 14°29'30.8" W		
Chord Direction:		S 80°49'03.7" W		
Radial Direction:		N 3°52'21.9" W		
Tangent Direction:		S 86°07'38.1" W		

Element: Linear

PT	( )	SPW 2+50.58	1546137.4871	666256.3771
POE	( )	SPW 2+94.07	1546134.5492	666212.9779
Tangential Direction:		S 86°07'38.1" W		
Tangential Length:		43.499		

Alignment Name: SPWC ALG
Alignment Description:
Alignment Style: AC_P

	Station	Northing	Easting

Element: Linear

POB	( )	SPWC 1+00.00	1546132.5537	666213.1130
	EQNBK	1+00.00	1546132.5537	666213.1130
	EQNAHD	SPWC 1+00.00	1546132.5537	666213.1130
PI	( )	SPWC 1+50.21	1546134.0100	666263.3066
Tangential Direction:		N 88°20'17.2" E		
Tangential Length:		50.215		

Element: Linear

PI	( )	SPWC 1+50.21	1546134.0100	666263.3066
POE	( )	SPWC 1+77.16	1546135.3124	666290.2208
Tangential Direction:		N 87°13'46.9" E		
Tangential Length:		26.946		

Alignment Name: SPN ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting

Element: Circular

PC	( )	SPN 1+00.00	1546247.7652	666396.0924
PI	( )	SPN 1+16.36	1546263.8787	666398.9487
CC	( )		1546248.1143	666394.1231
	EQNBK	1+00.00	1546247.7652	666396.0924
	EQNAHD	SPN 1+00.00	1546247.7652	666396.0924
PT	( )	SPN 1+05.80	1546248.9274	666392.2958
Radius:		2.000		
Delta:		166°03'51.5" Left		
Degree of Curvature (Arc):		2864°47'20.3"		
Length:		5.797		
Tangent:		16.365		
Chord:		3.970		
Middle Ordinate:		1.757		
External:		14.486		
Tangent Direction:		N 10°03'06.5" E		
Radial Direction:		S 79°56'53.5" E		
Chord Direction:		N 72°58'49.2" W		
Radial Direction:		N 66°00'45.0" W		
Tangent Direction:		S 23°59'15.0" W		

Element: Linear

PT	( )	SPN 1+05.80	1546248.9274	666392.2958
PC	( )	SPN 1+27.04	1546229.5147	666383.6578
Tangential Direction:		S 23°59'15.0" W		
Tangential Length:		21.248		

Element: Circular

PC	( )	SPN 1+27.04	1546229.5147	666383.6578
PI	( )	SPN 1+37.08	1546220.3447	666379.5774

CC	( )		1546270.5750	666291.3808
PRC	( )	SPN 1+47.05	1546212.1570	666373.7722
Radius:		101.000		
Delta:		11°21'01.0" Right		
Degree of Curvature (Arc):		56°43'42.6"		
Length:		20.008		
Tangent:		10.037		
Chord:		19.975		
Middle Ordinate:		0.495		
External:		0.497		
Tangent Direction:		S 23°59'15.0" W		
Radial Direction:		N 66°00'45.0" W		
Chord Direction:		S 29°39'45.5" W		
Radial Direction:		N 54°39'44.0" W		
Tangent Direction:		S 35°20'16.0" W		

Element: Circular

PRC	( )	SPN 1+47.05	1546212.1570	666373.7722
PI	( )	SPN 1+48.95	1546210.6088	666372.6744
CC	( )		1546211.5786	666374.5879
PRC	( )	SPN 1+49.22	1546210.5787	666374.5721
Radius:		1.000		
Delta:		124°25'48.8" Left		
Degree of Curvature (Arc):		5729°34'40.6"		
Length:		2.172		
Tangent:		1.898		
Chord:		1.769		
Middle Ordinate:		0.534		
External:		1.145		
Tangent Direction:		S 35°20'16.0" W		
Radial Direction:		N 54°39'44.0" W		
Chord Direction:		S 26°52'38.4" E		
Radial Direction:		S 0°54'27.2" W		
Tangent Direction:		S 89°05'32.8" E		

Element: Circular

PRC	( )	SPN 1+49.22	1546210.5787	666374.5721
PI	( )	SPN 1+56.03	1546210.4709	666381.3786
CC	( )		1546110.5913	666372.9881
PRC	( )	SPN 1+62.82	1546209.4417	666388.1077
Radius:		100.000		
Delta:		7°47'19.2" Right		
Degree of Curvature (Arc):		57°17'44.8"		
Length:		13.594		
Tangent:		6.807		
Chord:		13.583		
Middle Ordinate:		0.231		

External:	0.231
Tangent Direction:	S 89°05'32.8" E
Radial Direction:	S 0°54'27.2" W
Chord Direction:	S 85°11'53.2" E
Radial Direction:	S 8°41'46.4" W
Tangent Direction:	S 81°18'13.6" E

Element: Circular

PRC	( )	SPN 1+62.82	1546209.4417	666388.1077
PI	( )	SPN 1+66.16	1546208.9363	666391.4120
CC	( )		1546212.4072	666388.5613
PRC	( )	SPN 1+67.85	1546212.2758	666391.5584

Radius:	3.000
Delta:	96°11'08.6" Left
Degree of Curvature (Arc):	1909°51'33.5"
Length:	5.036
Tangent:	3.343
Chord:	4.465
Middle Ordinate:	0.996
External:	1.492
Tangent Direction:	S 81°18'13.6" E
Radial Direction:	S 8°41'46.4" W
Chord Direction:	N 50°36'12.1" E
Radial Direction:	S 87°29'22.2" E
Tangent Direction:	N 2°30'37.8" E

Element: Circular

PRC	( )	SPN 1+67.85	1546212.2758	666391.5584
PI	( )	SPN 1+81.04	1546225.4442	666392.1358
CC	( )		1546203.5153	666591.3665
PT	( )	SPN 1+94.18	1546238.4230	666394.4364

Radius:	200.000
Delta:	7°32'28.7" Right
Degree of Curvature (Arc):	28°38'52.4"
Length:	26.324
Tangent:	13.181
Chord:	26.305
Middle Ordinate:	0.433
External:	0.434
Tangent Direction:	N 2°30'37.8" E
Radial Direction:	S 87°29'22.2" E
Chord Direction:	N 6°16'52.2" E
Radial Direction:	S 79°56'53.5" E
Tangent Direction:	N 10°03'06.5" E

Element: Linear

PT	( )	SPN 1+94.18	1546238.4230	666394.4364

POE	( )	SPN 2+03.67	1546247.7652	666396.0924
Tangential Direction:		N 10°03'06.5" E		
Tangential Length:		9.488		

Alignment Name: SPNC ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting
Element: Linear				
POB	( )	SPNC 1+00.00	1546248.1143	666394.1231
	EQNBK	1+00.00	1546248.1143	666394.1231
	EQNAHD	SPNC 1+00.00	1546248.1143	666394.1231
PI	( )	SPNC 1+15.03	1546233.9688	666389.0471
Tangential Direction:		S 19°44'24.5" W		
Tangential Length:		15.029		
Element: Linear				
PI	( )	SPNC 1+15.03	1546233.9688	666389.0471
POE	( )	SPNC 1+32.66	1546216.8227	666384.9348
Tangential Direction:		S 13°29'13.6" W		
Tangential Length:		17.632		

Alignment Name: SPE ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting
Element: Circular				
PC	( )	SPE 1+00.00	1546126.2967	666519.9739
PI	( )	SPE 1+44.54	1546128.6869	666564.4513
CC	( )		1546128.2938	666519.8665
	EQNBK	1+00.00	1546126.2967	666519.9739
	EQNAHD	SPE 1+00.00	1546126.2967	666519.9739
PT	( )	SPE 1+06.10	1546130.2925	666519.9386
Radius:		2.000		
Delta:		174°51'29.1" Left		
Degree of Curvature (Arc):		2864°47'20.3"		
Length:		6.104		
Tangent:		44.542		
Chord:		3.996		
Middle Ordinate:		1.910		
External:		42.586		
Tangent Direction:		N 86°55'25.7" E		
Radial Direction:		S 3°04'34.3" E		
Chord Direction:		N 0°30'18.8" W		
Radial Direction:		N 2°03'56.6" E		
Tangent Direction:		N 87°56'03.4" W		

Element: Linear

PT	( )	SPE 1+06.10	1546130.2925	666519.9386
PC	( )	SPE 1+42.90	1546131.6189	666483.1631
Tangential Direction:		N 87°56'03.4" W		
Tangential Length:		36.799		

Element: Circular

PC	( )	SPE 1+42.90	1546131.6189	666483.1631
PI	( )	SPE 1+66.62	1546132.4737	666459.4651
CC	( )		1546232.5533	666486.8037
PRC	( )	SPE 1+89.49	1546143.7857	666438.6238
Radius:		101.000		
Delta:		26°25'32.9" Right		
Degree of Curvature (Arc):		56°43'42.6"		
Length:		46.583		
Tangent:		23.713		
Chord:		46.171		
Middle Ordinate:		2.674		
External:		2.746		
Tangent Direction:		N 87°56'03.4" W		
Radial Direction:		N 2°03'56.6" E		
Chord Direction:		N 74°43'16.9" W		
Radial Direction:		N 28°29'29.6" E		
Tangent Direction:		N 61°30'30.4" W		

Element: Circular

PRC	( )	SPE 1+89.49	1546143.7857	666438.6238
PI	( )	SPE 1+91.33	1546144.6645	666437.0046
CC	( )		1546142.9068	666438.1467
PRC	( )	SPE 1+91.63	1546142.8279	666437.1498
Radius:		1.000		
Delta:		123°00'50.3" Left		
Degree of Curvature (Arc):		5729°34'40.6"		
Length:		2.147		
Tangent:		1.842		
Chord:		1.758		
Middle Ordinate:		0.523		
External:		1.096		
Tangent Direction:		N 61°30'30.4" W		
Radial Direction:		N 28°29'29.6" E		
Chord Direction:		S 56°59'04.4" W		
Radial Direction:		S 85°28'39.3" W		
Tangent Direction:		S 4°31'20.7" E		

Element: Circular

PRC	( )	SPE 1+91.63	1546142.8279	666437.1498

PI	( )	SPE 1+99.81	1546134.6747	666437.7947
CC	( )		1546134.9430	666337.4612
PRC	( )	SPE 2+07.95	1546126.5250	666437.1062
Radius:		100.000		
Delta:		9°21'04.6" Right		
Degree of Curvature (Arc):		57°17'44.8"		
Length:		16.321		
Tangent:		8.179		
Chord:		16.303		
Middle Ordinate:		0.333		
External:		0.334		
Tangent Direction:		S 4°31'20.7" E		
Radial Direction:		S 85°28'39.3" W		
Chord Direction:		S 0°09'11.6" W		
Radial Direction:		N 85°10'16.0" W		
Tangent Direction:		S 4°49'44.0" W		

Element: Circular

PRC	( )	SPE 2+07.95	1546126.5250	666437.1062
PI	( )	SPE 2+11.03	1546123.4609	666436.8474
CC	( )		1546126.2725	666440.0956
PCC	( )	SPE 2+12.74	1546123.2778	666439.9170
Radius:		3.000		
Delta:		91°24'54.4" Left		
Degree of Curvature (Arc):		1909°51'33.5"		
Length:		4.786		
Tangent:		3.075		
Chord:		4.295		
Middle Ordinate:		0.905		
External:		1.296		
Tangent Direction:		S 4°49'44.0" W		
Radial Direction:		N 85°10'16.0" W		
Chord Direction:		S 40°52'43.2" E		
Radial Direction:		S 3°24'49.6" W		
Tangent Direction:		S 86°35'10.4" E		

Element: Circular

PCC	( )	SPE 2+12.74	1546123.2778	666439.9170
PI	( )	SPE 2+24.08	1546122.6026	666451.2361
CC	( )		1546322.9229	666451.8262
PT	( )	SPE 2+35.39	1546123.2111	666462.5590
Radius:		200.000		
Delta:		6°29'23.8" Left		
Degree of Curvature (Arc):		28°38'52.4"		
Length:		22.654		
Tangent:		11.339		
Chord:		22.642		

Middle Ordinate:	0.321
External:	0.321
Tangent Direction:	S 86°35'10.4" E
Radial Direction:	S 3°24'49.6" W
Chord Direction:	S 89°49'52.4" E
Radial Direction:	S 3°04'34.3" E
Tangent Direction:	N 86°55'25.7" E

Element: Linear

PT	( )	SPE 2+35.39	1546123.2111	666462.5590
POE	( )	SPE 2+92.89	1546126.2967	666519.9739
Tangential Direction:		N 86°55'25.7" E		
Tangential Length:		57.498		

Alignment Name: SPEC ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting

Element: Linear

POB	( )	SPEC 1+00.00	1546128.2938	666519.8665
	EQNBK	1+00.00	1546128.2938	666519.8665
	EQNAHD	SPEC 1+00.00	1546128.2938	666519.8665
PI	( )	SPEC 1+47.01	1546127.4150	666472.8610
Tangential Direction:		S 88°55'44.4" W		
Tangential Length:		47.014		

Element: Linear

PI	( )	SPEC 1+47.01	1546127.4150	666472.8610
POE	( )	SPEC 1+74.37	1546131.1808	666445.7662
Tangential Direction:		N 82°05'14.8" W		
Tangential Length:		27.355		

Alignment Name: SPS ALG
Alignment Description:
Alignment Style: AC_P

		Station	Northing	Easting

Element: Circular

PC	( )	SPS 1+00.00	1546017.1330	666341.8855
PI	( )	SPS 1+24.74	1545992.6065	666338.6272
CC	( )		1546016.8696	666343.8681
	EQNBK	1+00.00	1546017.1329	666341.8855
	EQNAHD	SPS 1+00.00	1546017.1329	666341.8855
PT	( )	SPS 1+05.96	1546016.2912	666345.7826
	Radius:	2.000		
	Delta:	170°45'25.7" Left		
Degree of Curvature (Arc):		2864°47'20.3"		

Length:	5.961
Tangent:	24.742
Chord:	3.987
Middle Ordinate:	1.839
External:	22.823
Tangent Direction:	S 7°34'02.0" W
Radial Direction:	N 82°25'58.0" W
Chord Direction:	S 77°48'40.9" E
Radial Direction:	S 73°11'23.7" E
Tangent Direction:	N 16°48'36.3" E

Element: Linear

PT	( )	SPS 1+05.96	1546016.2912	666345.7826
PC	( )	SPS 1+37.27	1546046.2590	666354.8362
Tangential Direction:		N 16°48'36.3" E		
Tangential Length:		31.306		

Element: Circular

PC	( )	SPS 1+37.27	1546046.2590	666354.8362
PI	( )	SPS 1+50.66	1546059.0772	666358.7087
CC	( )		1546017.0498	666451.5203
PRC	( )	SPS 1+63.89	1546070.4436	666365.7876
Radius:		101.000		
Delta:		15°06'15.5" Right		
Degree of Curvature (Arc):		56°43'42.6"		
Length:		26.626		
Tangent:		13.390		
Chord:		26.549		
Middle Ordinate:		0.876		
External:		0.884		
Tangent Direction:		N 16°48'36.3" E		
Radial Direction:		S 73°11'23.7" E		
Chord Direction:		N 24°21'44.0" E		
Radial Direction:		S 58°05'08.2" E		
Tangent Direction:		N 31°54'51.8" E		

Element: Circular

PRC	( )	SPS 1+63.89	1546070.4436	666365.7876
PI	( )	SPS 1+65.77	1546072.0360	666366.7793
CC	( )		1546070.9722	666364.9387
PRC	( )	SPS 1+66.05	1546071.9716	666364.9044
Radius:		1.000		
Delta:		123°52'51.9" Left		
Degree of Curvature (Arc):		5729°34'40.6"		
Length:		2.162		
Tangent:		1.876		
Chord:		1.765		

Middle Ordinate:	0.530
External:	1.126
Tangent Direction:	N 31°54'51.8" E
Radial Direction:	S 58°05'08.2" E
Chord Direction:	N 30°01'34.1" W
Radial Direction:	N 1°58'00.1" W
Tangent Direction:	S 88°01'59.9" W

Element: Circular

PRC	( )	SPS 1+66.05	1546071.9716	666364.9044
PI	( )	SPS 1+73.35	1546071.7214	666357.6159
CC	( )		1546171.9127	666361.4726
PRC	( )	SPS 1+80.61	1546072.5312	666350.3682

Radius:	100.000
Delta:	8°20'31.8" Right
Degree of Curvature (Arc):	57°17'44.8"
Length:	14.560
Tangent:	7.293
Chord:	14.547
Middle Ordinate:	0.265
External:	0.266
Tangent Direction:	S 88°01'59.9" W
Radial Direction:	N 1°58'00.1" W
Chord Direction:	N 87°47'44.2" W
Radial Direction:	N 6°22'31.7" E
Tangent Direction:	N 83°37'28.3" W

Element: Circular

PRC	( )	SPS 1+80.61	1546072.5312	666350.3682
PI	( )	SPS 1+83.97	1546072.9044	666347.0281
CC	( )		1546069.5497	666350.0351
PRC	( )	SPS 1+85.67	1546069.5435	666347.0351

Radius:	3.000
Delta:	96°29'41.7" Left
Degree of Curvature (Arc):	1909°51'33.5"
Length:	5.052
Tangent:	3.361
Chord:	4.476
Middle Ordinate:	1.002
External:	1.505
Tangent Direction:	N 83°37'28.3" W
Radial Direction:	N 6°22'31.7" E
Chord Direction:	S 48°07'40.8" W
Radial Direction:	S 89°52'50.0" W
Tangent Direction:	S 0°07'10.0" E

Element: Circular

PRC	( )	SPS 1+85.67	1546069.5435	666347.0351
PI	( )	SPS 1+99.10	1546056.1076	666347.0631
CC	( )		1546069.1265	666147.0355
PT	( )	SPS 2+12.50	1546042.7886	666345.2937
Radius:		200.000		
Delta:		7°41'12.1" Right		
Degree of Curvature (Arc):		28°38'52.4"		
Length:		26.832		
Tangent:		13.436		
Chord:		26.811		
Middle Ordinate:		0.450		
External:		0.451		
Tangent Direction:		S 0°07'10.0" E		
Radial Direction:		S 89°52'50.0" W		
Chord Direction:		S 3°43'26.0" W		
Radial Direction:		N 82°25'58.0" W		
Tangent Direction:		S 7°34'02.0" W		

Element: Linear

PT	( )	SPS 2+12.50	1546042.7886	666345.2937
POE	( )	SPS 2+38.38	1546017.1330	666341.8855
Tangential Direction:		S 7°34'02.0" W		
Tangential Length:		25.881		

Alignment Name: SPSC ALG
Alignment Description:
Alignment Style: AC_P

		Station	**Northing**	**Easting**
Element: Linear				
POB	( )	SPSC 1+00.00	1546016.8696	666343.8681
	EQNBK	1+00.00	1546016.8696	666343.8681
	EQNAHD	SPSC 1+00.00	1546016.8696	666343.8681
PI	( )	SPSC 1+28.34	1546044.5238	666350.0650
Tangential Direction:		N 12°37'49.7" E		
Tangential Length:		28.340		
Element: Linear				
PI	( )	SPSC 1+28.34	1546044.5238	666350.0650
POE	( )	SPSC 1+49.06	1546064.8126	666354.2813
Tangential Direction:		N 11°44'23.2" E		
Tangential Length:		20.722		

PROJECT MANAGER
CHECK
DRAFTING
DESIGN
CHECK
JOB MANAGER
DESIGN SUPERVISOR

GRID NORTH

BEGIN ROADSIDE DRAINAGE DITCH SECTION
STA. EB 12+05

OVERLAY DRIVEWAY
STA. EB 11+40 TO EB 11+95

NM 124
NG 123 1/2 VZ '86
YOIR 'SURVEY MARKER 42509'
29
1503
NM 1145

ROUTE 29
S.H. NO. 5711, EAST GALWAY-SARATOGA, PART 2
S87°59'02"E

52+00
53+00
54+00
55+00
56+00
57+00

M22/P34
M21/P33
M27/P39

TE
FEE
HB
OE

MATCH TO GNP-02
STA. EB 13+50

WESTERN WORK LIMITS
BEGIN RESURFACING
STA. EB 10+00

CONTINUE RESURFACING
BEGIN BOX OUT WIDENING
STA. EB 10+50

EXTEND DRAINAGE STRUCTURE
STA. EB 12+20

BEGIN ROADSIDE DRAINAGE DITCH SECTION
STA. EB 12+45

20 0 20 40 60 80'
1" = 40'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

NY ROUTE 29 AT ROWLAND ST. INTERSECTION IMPROVEMENTS
SH 5711
TOWN OF MILTON & CITY OF SARATOGA SPRINGS
COUNTY: SARATOGA REGION: 01

PIN 1236.29
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLANS

CONTRACT NUMBER

DRAWING NO. GNP-01
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

FILE NAME = 123629_cph_gnp_01.dgn
DATE/TIME = 11-JUL-2023 12:49
USER = jfelice

PROJECT MANAGER
CHECK
DRAFTING
DESIGN
CHECK
JOB MANAGER
DESIGN SUPERVISOR

GRID NORTH

MATCH TO GNP-05
STA. NB 15+50

OVERLAY DRIVEWAY

BEGIN ROADSIDE DRAINAGE DITCH SECTION

END FULL DEPTH RECONSTRUCTION ALONG PETRIFIED SEA GARDENS RD
BEGIN RESURFACING WITH BOX OUT WIDENING
STA. NB 15+06

END ROADSIDE DRAINAGE DITCH SECTION

END ROADSIDE DRAINAGE DITCH SECTION

PETRIFIED SEA GARDENS RD
(COUNTY HIGHWAY)

PROPOSED DRAINAGE PIPE

OVERLAY DRIVEWAY

PROPOSED DRAINAGE PIPE

OVERLAY DRIVEWAY

MATCH TO GNP-01
STA. EB 13+50

ROUTE 29
STR. NO. 5711, EAST GALWAY-SARATOGA, PART 2

END RESURFACING WITH BOX OUT WIDENING
BEGIN FULL DEPTH RECONSTRUCTION ALONG RTE 29
STA. EB 14+55

PROPOSED DRAINAGE PIPE

END RESURFACING WITH BOX OUT WIDENING
BEGIN FULL DEPTH RECONSTRUCTION ALONG ROWLAND ST
STA. NB 12+32

ROWLAND ST (C.R. NO. 47)
(COUNTY ROAD)

MATCH TO GNP-04
STA. NB 12+00

PROPOSED DRAINAGE PIPE

RAZE BUILDING

RECONSTRUCT DRIVEWAY

END ROADSIDE DRAINAGE DITCH SECTION

END FULL DEPTH RECONSTRUCTION ALONG RTE 29
BEGIN RESURFACING WITH BOX OUT WIDENING
STA. EB 17+95

MATCH TO GNP-03
STA. EB 19+50

20 0 20 40 60 80′
1" = 40′

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

NY ROUTE 29 AT ROWLAND ST. INTERSECTION IMPROVEMENTS
SH 5711
TOWN OF MILTON & CITY OF SARATOGA SPRINGS
COUNTY: SARATOGA REGION: 01

PIN 1236.29
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLANS

CONTRACT NUMBER

DRAWING NO. GNP-02
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

FILE NAME = 123629_cph_gnp_02.dgn
DATE/TIME = 03-AUG-2023 14:54
USER = jfelice

PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = 123629_cph_gnp_03.dgn
DATE/TIME = 03-AUG-2023 14:54
USER = jfelice

GRID NORTH

NEW DRIVEWAY

CITY OF SARATOGA SPRINGS
TOWN OF MILTON

PROPOSED DRAINAGE PIPE

MATCH TO GNP-02
STA. EB 19+50

ROUTE 29
SH, NO. 5711, EAST GALWAY/SARATOGA, PART 2

END BOX OUT WIDENING
CONTINUE RESURFACING
STA. EB 22+02

EASTERN PROJECT LIMITS
END RESURFACING
STA. EB 22+52

20 0 20 40 60 80'
1" = 40'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

NY ROUTE 29 AT ROWLAND ST. INTERSECTION IMPROVEMENTS
SH 5711
TOWN OF MILTON & CITY OF SARATOGA SPRINGS
COUNTY: SARATOGA REGION: 01

PIN 1236.29
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

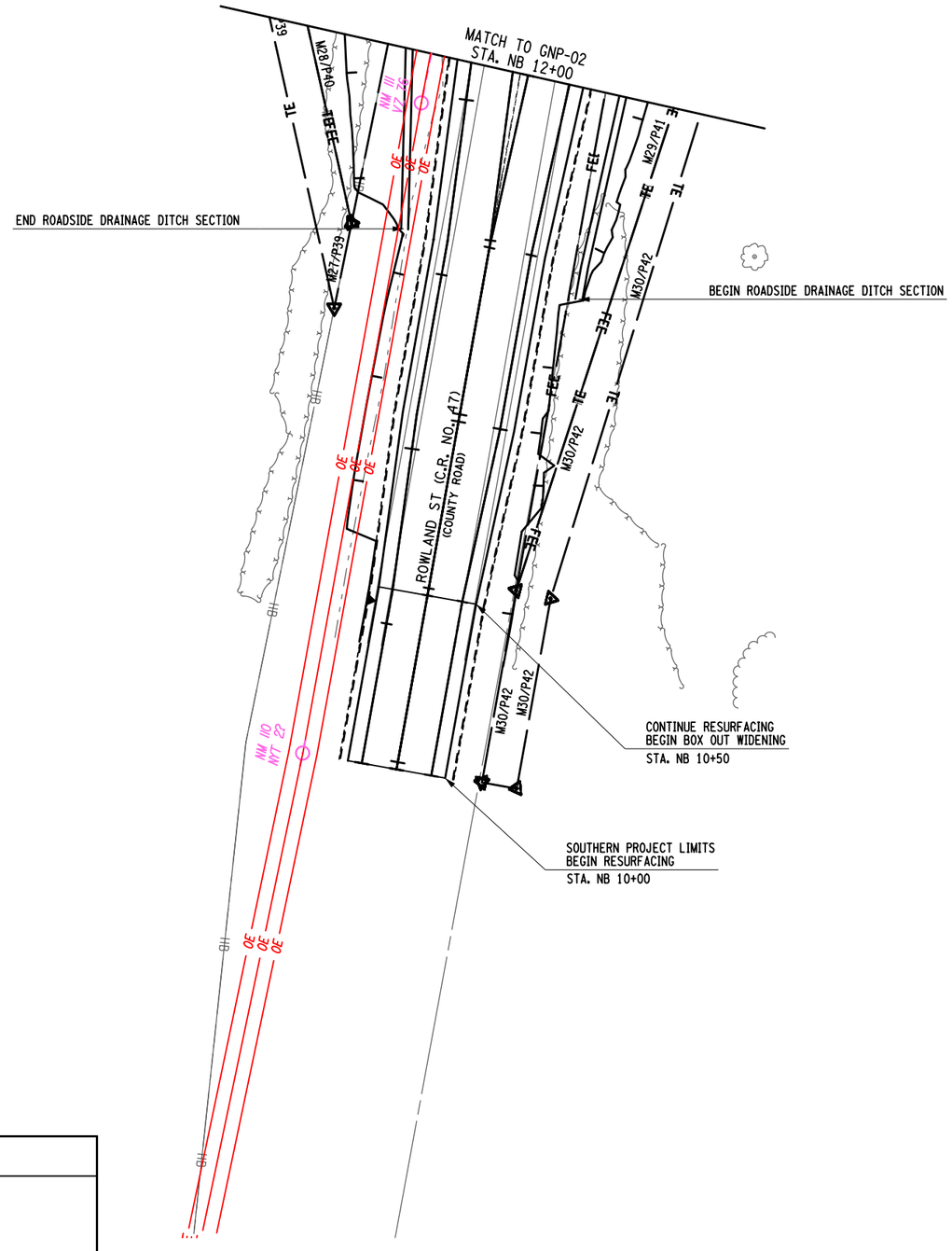
GENERAL PLANS

CONTRACT NUMBER

DRAWING NO. GNP-03
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation



20 0 20 40 60 80′

1" = 40′

PROJECT MANAGER
CHECK
DRAFTING
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = 123629.cpb_gnp_04.dgn
DATE/TIME = 11-JUL-2023 12:49
USER = jfelice

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

NY ROUTE 29 AT ROWLAND ST. INTERSECTION IMPROVEMENTS
SH 5711
TOWN OF MILTON & CITY OF SARATOGA SPRINGS

COUNTY: SARATOGA REGION: 01

PIN 1236.29
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLANS

CONTRACT NUMBER

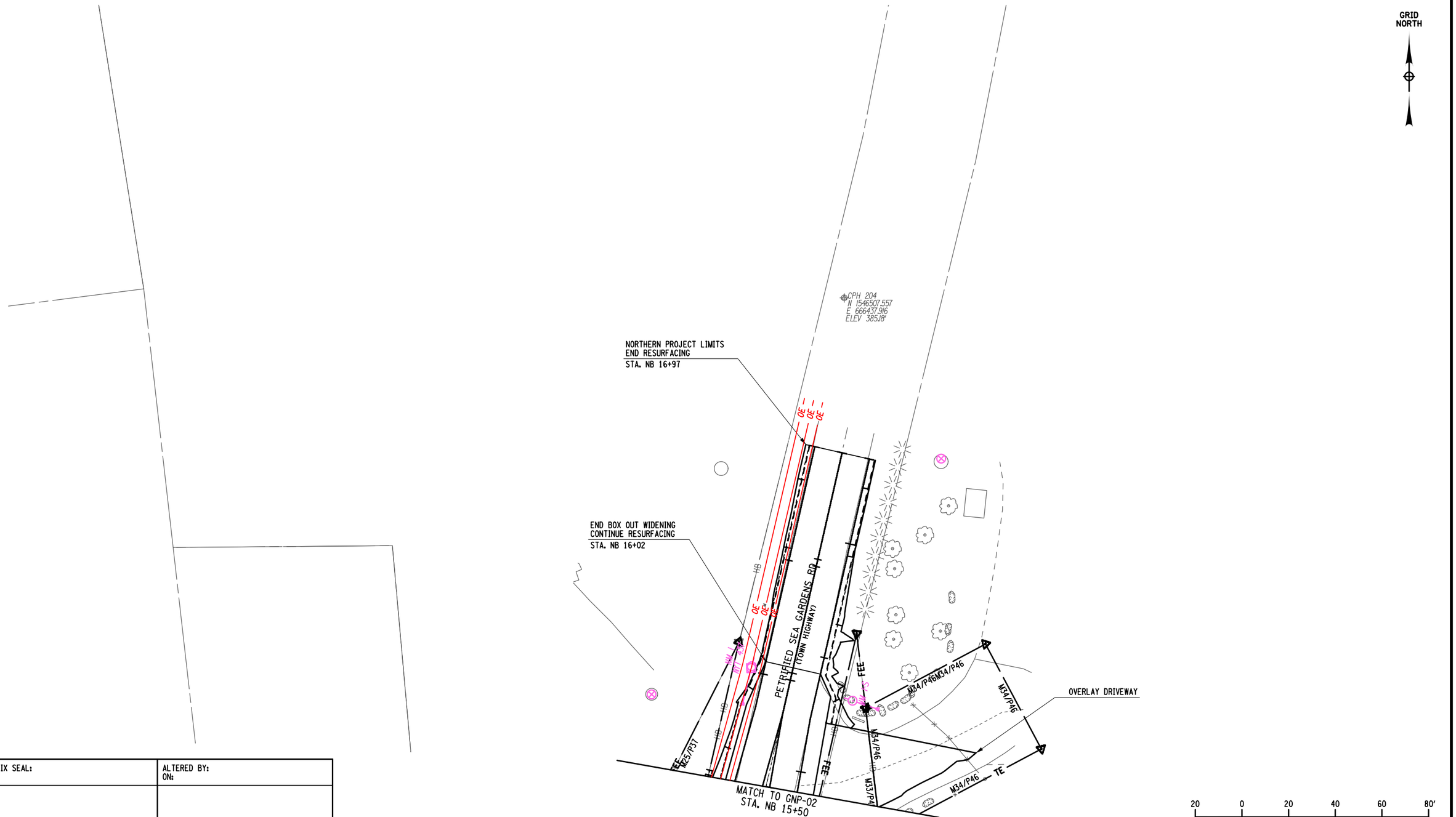
DRAWING NO. GNP-04
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

GRID NORTH



AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

NY ROUTE 29 AT ROWLAND ST. INTERSECTION IMPROVEMENTS
SH 5711
TOWN OF MILTON & CITY OF SARATOGA SPRINGS

COUNTY: SARATOGA REGION: 01

PIN 1236.29
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLANS

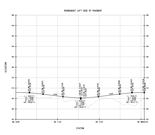
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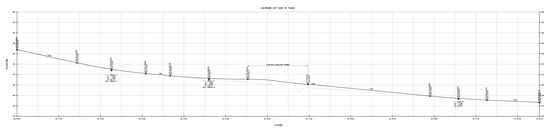
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SHEET NO.

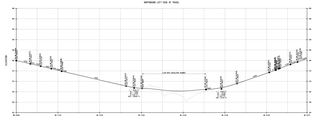
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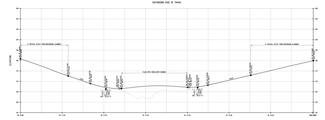
NEW YORK STATE OF OPPORTUNITY. Department of Transportation

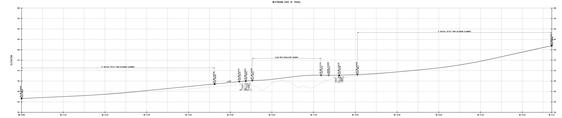
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DATE/TIME = 11-JUL-2023 12:49
USER = jfelice


PAVEMENT LEFT SIDE OF PAVEMENT
ELEVATION
STATION

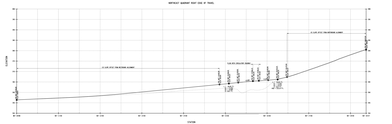

EXCAVATION LEFT SIDE OF TRAIL
ELEVATION
STATION

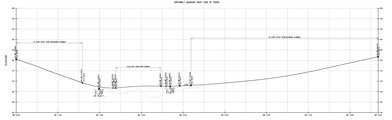

EMBANKMENT LEFT SIDE OF TRAIL
ELEVATION
STATION

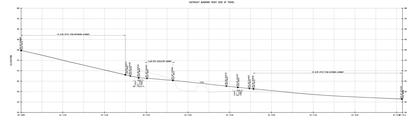

EXCAVATION SIDE OF TRAIL
ELEVATION
STATION

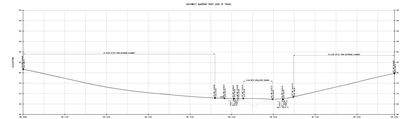

RETAINING SIDE OF TRAIL
ELEVATION
STATION

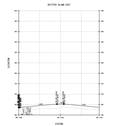

0
5
10

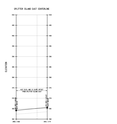

ASPHALT QUARRY EAST SIDE OF TRAIL
ELEVATION
STATION

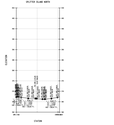

ASPHALT QUARRY WEST SIDE OF TRAIL
ELEVATION
STATION


CONCRETE QUARRY EAST SIDE OF TRAIL
ELEVATION
STATION

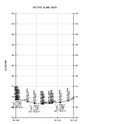

CONCRETE QUARRY WEST SIDE OF TRAIL
ELEVATION
STATION


UTILITY SLAVE EAST
ELEVATION
STATION

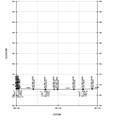

UTILITY SLAVE EAST OVERLAY
ELEVATION
STATION


UTILITY SLAVE SOUTH
ELEVATION
STATION

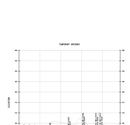
UTILITY SLAVE SOUTH OVERLAY
ELEVATION
STATION

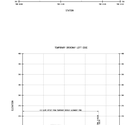

UTILITY SLAVE SOUTH
ELEVATION
STATION

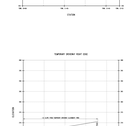
UTILITY SLAVE SOUTH OVERLAY
ELEVATION
STATION

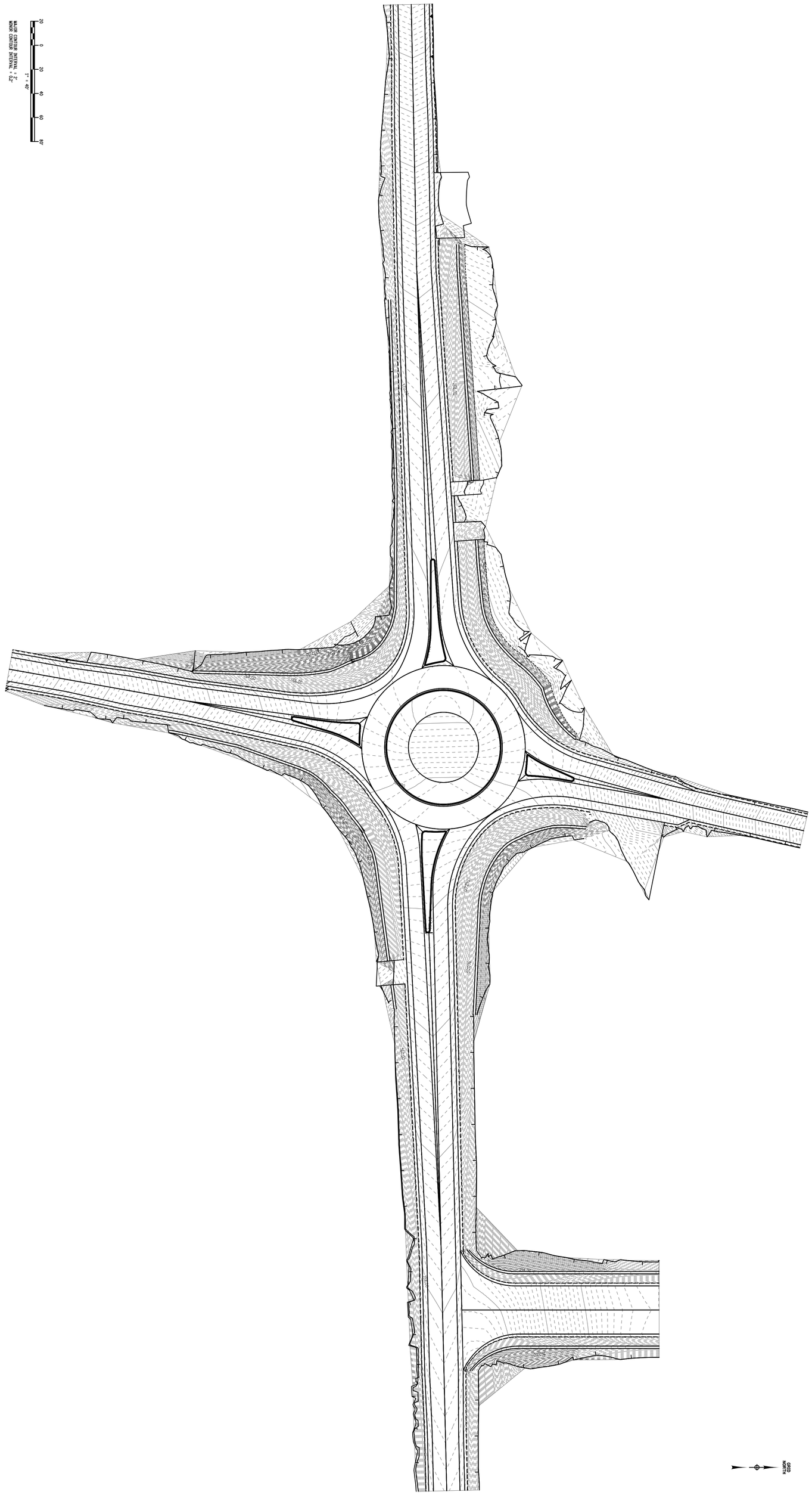

UTILITY SLAVE WEST
ELEVATION
STATION

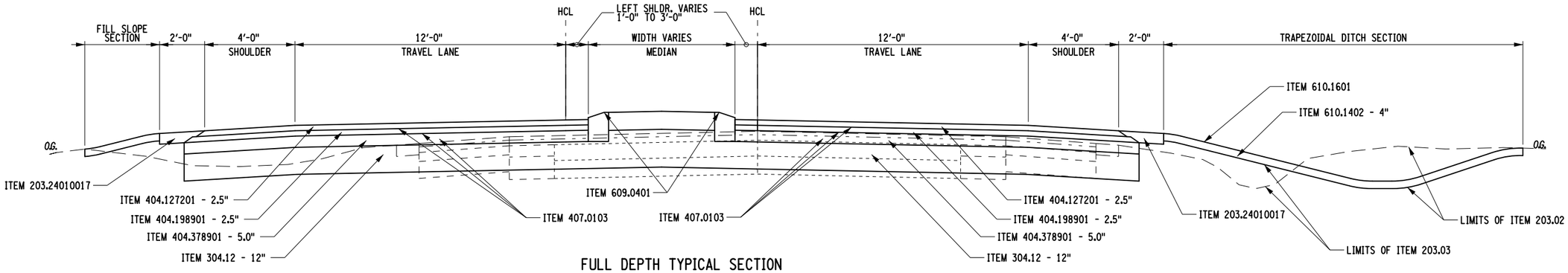
UTILITY SLAVE WEST OVERLAY
ELEVATION
STATION


TURNOUT ENTRANCE
ELEVATION
STATION


TURNOUT ENTRANCE LEFT SIDE
ELEVATION
STATION

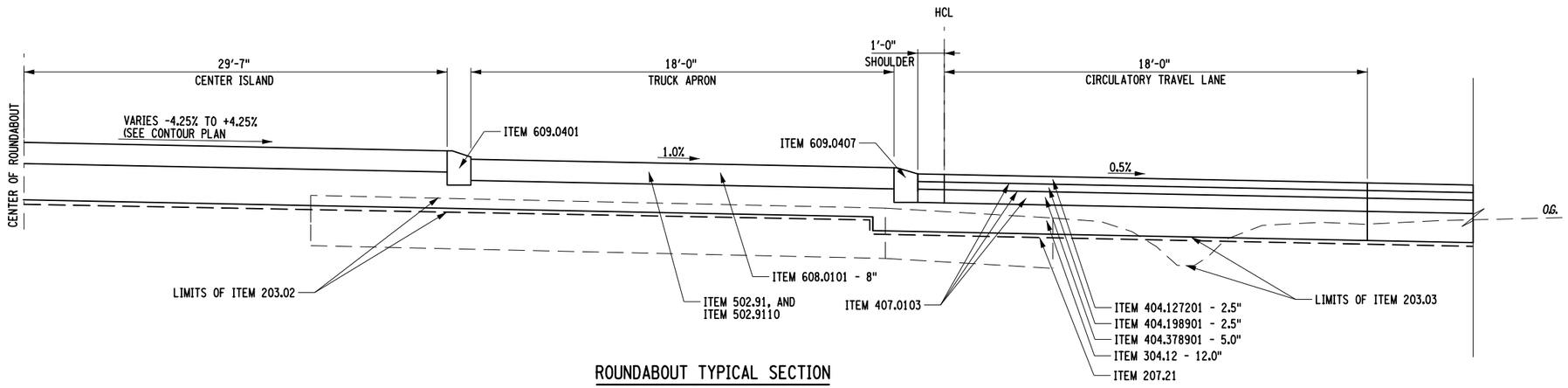

TURNOUT ENTRANCE RIGHT SIDE
ELEVATION
STATION


MAJOR CONTOUR INTERVAL = 2'
MINOR CONTOUR INTERVAL = 0.2'
0
20
40
60
80
1" = 40'
GRID
NORTH



FULL DEPTH TYPICAL SECTION

STA. EB 14+55 TO EB 17+95
STA. NB 12+32 TO NB 15+06
(NOT TO SCALE)



ROUNDABOUT TYPICAL SECTION

STA. RAB 10+00 TO STA. RAB 13+08
(NOT TO SCALE)

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT	NOTES:
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF6	LF	
203.03	EMBANKMENT IN PLACE	CY	609.0407	CAST-IN-PLACE CONCRETE CURB TYPE T4	LF	
203.24010017	SHOULDER BACKUP MATERIAL	TON	610.1402	TOPSOIL - ROADSIDE	CY	
207.21	GEOTEXTILE SEPARATION	SY	610.1601	TURF ESTABLISHMENT - ROADSIDE	SY	
304.12	SUBBASE COURSE, TYPE 2	CY				
404.127201	12.5 TOP COURSE ASPHALT, 70 SERIES COMPACTION	TON				
404.198901	19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON				
404.378901	37.5 F9 BASE COURSE WMA, 80 SERIES COMPACTION	TON				
407.0103	STRAIGHT TACK COAT	GAL				
502.91	TRANSVERSE JOINTS	LF				
502.9110	LONGITUDINAL JOINTS	LF				
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY				

AFFIX SEAL:
ON:

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

NY RT 29 AT ROWLAND ST. INTERSECTION SAFETY ENHANCEMENTS
S.H. 5711 (NY 29)
TOWN OF MILTON AND CITY OF SARATOGA SPRINGS
COUNTY: SARATOGA REGION: 01

PIN 1236.29
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

TYPICAL SECTIONS

CONTRACT NUMBER

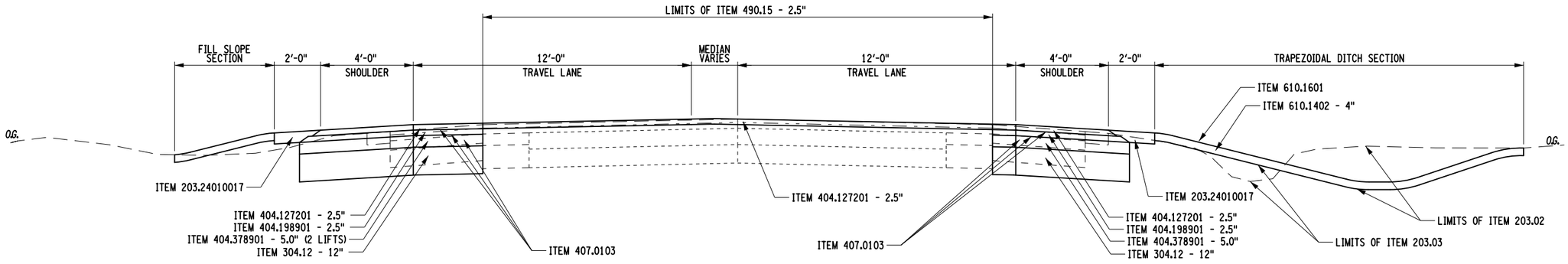
DRAWING NO. TYP-01
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

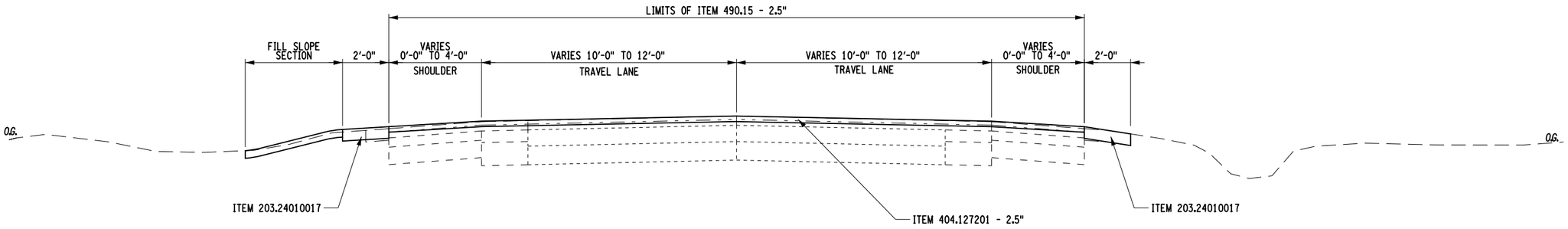
PROJECT MANAGER J. FELICE
CHECK
DRAFTING
DESIGN D. FERRIS
CHECK
JOB MANAGER
DESIGN SUPERVISOR J. FELICE

FILE NAME = 123629.cph.typ.01.dgn
DATE/TIME = 03-AUG-2023 14:02
USER = jfelice



MILL AND FILL WITH BOX OUT WIDENING TYPICAL SECTION

STA. EB 10+50 TO EB 14+55
STA. EB 17+95 TO EB 22+02
STA. NB 10+50 TO NB 12+32
STA. NB 15+06 TO NB 16+02
(NOT TO SCALE)



MILL AND FILL TYPICAL SECTION

STA. EB 10+00 TO EB 10+50
STA. EB 22+02 TO EB 22+52
STA. NB 10+00 TO NB 10+50
STA. NB 16+02 TO NB 16+97
(NOT TO SCALE)

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT	NOTES:
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY				
203.03	EMBANKMENT IN PLACE	CY				
203.24010017	SHOULDER BACKUP MATERIAL	TON				
304.12	SUBBASE COURSE, TYPE 2	CY				
404.127201	12.5 TOP COURSE ASPHALT, 70 SERIES COMPACTION	TON				
404.198901	19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON				
404.378901	37.5 F9 BASE COURSE WMA, 80 SERIES COMPACTION	TON				
407.0103	STRAIGHT TACK COAT	GAL				
490.15	PRODUCTION COLD MILL SURFACE PLANING OF BITUMINOUS CONCRETE	SY				
610.1402	TOP SOIL - ROADSIDE	CY				
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY				

AFFIX SEAL:
ON:

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

NY RT 29 AT ROWLAND ST. INTERSECTION SAFETY ENHANCEMENTS
S.H. 5711 (NY 29)
TOWN OF MILTON AND CITY OF SARATOGA SPRINGS

COUNTY: SARATOGA REGION: 01

PIN 1236.29
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

TYPICAL SECTIONS

CONTRACT NUMBER

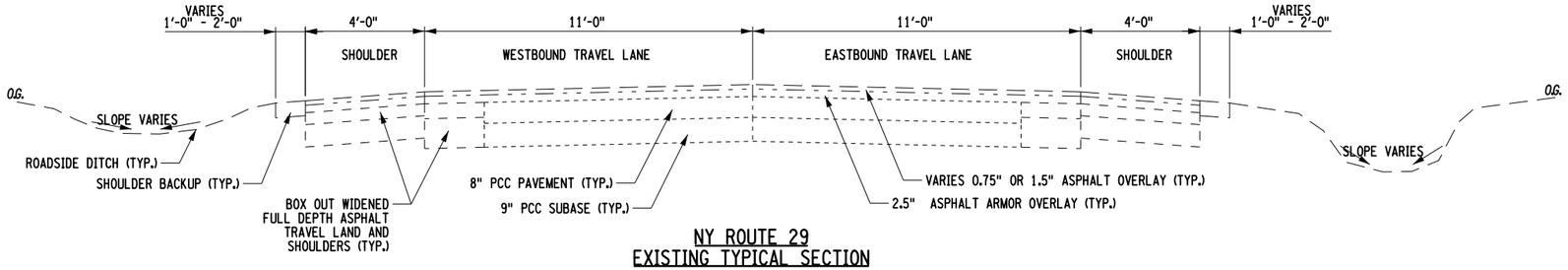
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SHEET NO.

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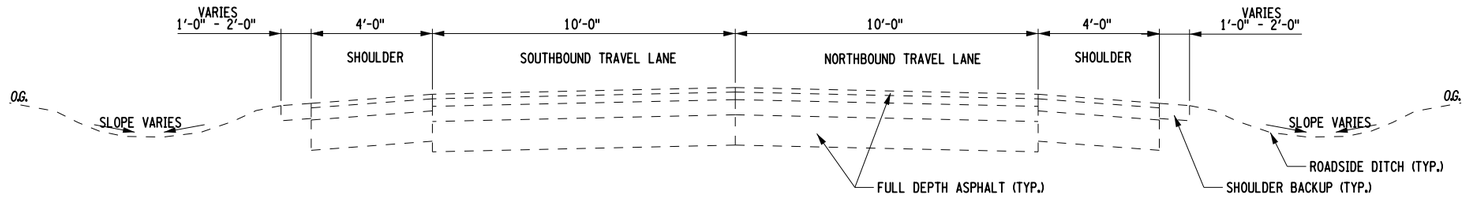
NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER J. FELICE
CHECK
DRAFTING
DESIGN D. FERRIS
JOB MANAGER
DESIGN SUPERVISOR J. FELICE

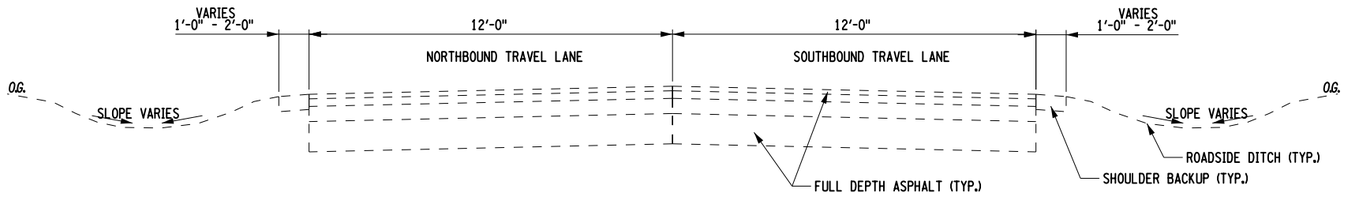
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DATE/TIME = 23-AUG-2023 15:22
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NY ROUTE 29
EXISTING TYPICAL SECTION



ROWLAND ST
EXISTING TYPICAL SECTION



PETRIFIED SEA GARDENS RD
EXISTING TYPICAL SECTION

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	NY RT 29 AT ROWLAND ST. INTERSECTION SAFETY ENHANCEMENTS S.H. 5711 (NY 29) TOWN OF WILTON AND CITY OF SARATOGA SPRINGS COUNTY: SARATOGA REGION: 01	PIN 1236.29 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED TYPICAL SECTIONS EXISTING SECTIONS	CONTRACT NUMBER DRAWING NO. TYP-03 SHEET NO.

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NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER J. FELICE
CHECK
DRAFTING
CHECK
DESIGN D. FERRIS
JOB MANAGER
DESIGN SUPERVISOR J. FELICE

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