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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #1M 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02

SCALE: 1" = 40'

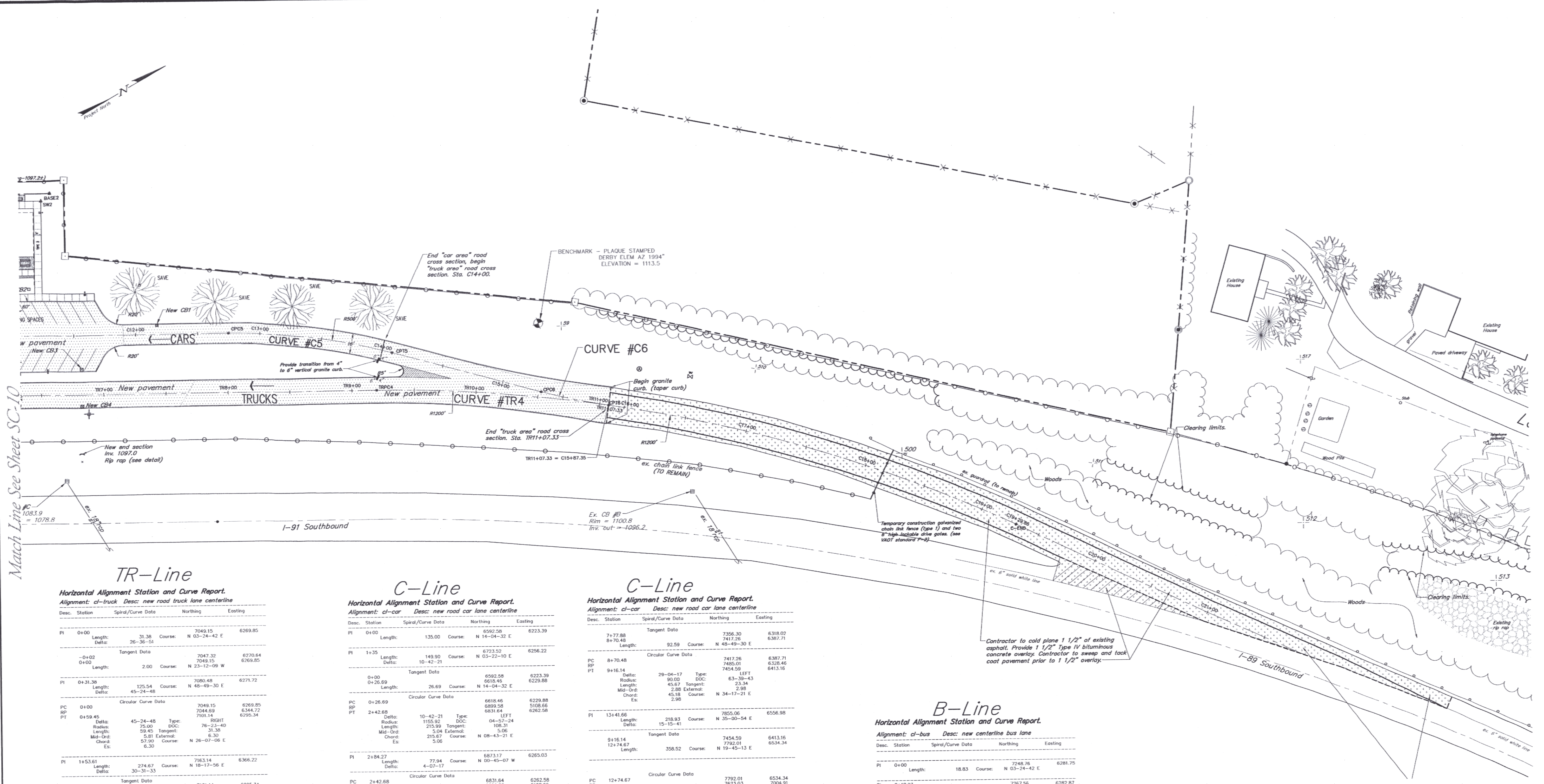
CHECKED:

PROJECT NO:

LAYOUT PLAN

SC-11

00137 - DERBY2001.dwg



Match Line See Sheet SC-10

TR-Line

Horizontal Alignment Station and Curve Report

Alignment: c-truck Desc: new road truck lane centerline

Desc.	Station	Spiral/Curve Data	Northing	Easting
PI	0+00	Length: 31.38 Delta: 26-36-51	7049.15 N 03-24-42 E	6269.85
		Tangent Data	7047.32	6270.64
0+00		Length: 2.00	N 23-12-09 W	6269.85
PI	0+31.38	Length: 125.54 Delta: 45-24-48	7049.15 N 48-49-30 E	6271.72
PC	0+00	Circular Curve Data	7049.15	6269.85
RP	0+59.45	Delta: 45-24-48 Radius: 75.00 Length: 59.45 Mid-Ord: 5.81 Chord: 57.90 Ex: 6.30	RIGHT 7011.14 7011.14 31.38 5.00 N 26-07-08 E	6271.72
PT	1+55.61	Length: 274.67 Delta: 30-31-33	7163.14 N 18-17-56 E	6368.22
		Tangent Data	7101.14	6295.34
0+59.45		Length: 66.87	N 48-49-30 E	6345.68
PC	1+26.32	Circular Curve Data	7145.17	6345.68
RP	1+79.80	Delta: 30-31-33 Radius: 100.00 Length: 53.28 Mid-Ord: 5.23 Chord: 52.63 Ex: 3.66	RIGHT 7220.44 7189.04 27.29 3.66 N 33-33-43 E	6374.78
PT	4+26.98	Length: 586.94 Delta: 1-27-16	7423.91 N 19-45-13 E	6452.46
		Tangent Data	7189.04	6374.78
0+59.45		Length: 7411.86	N 19-17-56 E	6448.47
PC	4+14.28	Circular Curve Data	7411.86	6448.47
RP	4+39.67	Delta: 01-27-16 Radius: 1000.00 Length: 25.39 Mid-Ord: 0.68 Chord: 25.39 Ex: 0.68	RIGHT 7435.66 7435.66 12.69 0.68 N 19-01-35 E	6456.75
PT	10+13.92	Length: 83.79 Delta: 8-56-16	7976.32 N 28-41-29 E	6650.83
		Tangent Data	7435.66	6456.75
0+59.45		Length: 480.46	N 19-45-13 E	6619.13
PC	9+20.13	Circular Curve Data	7888.05	6619.13
RP	11+07.33	Delta: 08-56-16 Radius: 1200.00 Length: 187.19 Mid-Ord: 3.65 Chord: 187.00 Ex: 3.65	RIGHT 7482.48 7482.48 93.79 3.65 N 24-13-21 E	6695.85
PT	11+07.33	Length: 8058.59		6695.85

C-Line

Horizontal Alignment Station and Curve Report

Alignment: c-car Desc: new road car lane centerline

Desc.	Station	Spiral/Curve Data	Northing	Easting
PI	0+00	Length: 135.00	6592.58 N 14-04-32 E	6223.39
		Tangent Data	6592.58	6223.39
PI	1+35	Length: 149.90 Delta: 10-42-21	6723.52 N 03-22-10 E	6256.22
		Tangent Data	6592.58	6223.39
0+00		Length: 26.69	N 14-04-32 E	6229.88
PC	0+26.69	Circular Curve Data	6818.48	6229.88
RP	2+42.68	Delta: 10-42-21 Radius: 1155.92 Length: 215.89 Mid-Ord: 5.04 Chord: 215.87 Ex: 5.00	LEFT 6818.48 6899.58 6831.64	6229.88
PT	2+184.27	Length: 77.94 Delta: 4-07-17	6873.17 N 00-45-07 W	6285.03
		Tangent Data	6831.64	6262.58
0+26.69		Length: 6831.64	N 03-22-10 E	6264.48
PC	3+25.83	Circular Curve Data	6831.64	6262.58
RP	3+25.83	Delta: 04-07-17 Radius: 1155.92 Length: 83.15 Mid-Ord: 0.75 Chord: 83.13 Ex: 0.75	LEFT 6831.64 6899.58 6831.64	6262.58
PT	3+462.18	Length: 376.32 Delta: 4-09-49	6951.10 N 03-24-42 E	6284.01
		Tangent Data	6914.75	6264.48
0+26.69		Length: 6914.75	N 03-24-42 E	6264.48
PC	3+25.83	Circular Curve Data	6914.75	6264.48
RP	3+98.50	Delta: 04-09-49 Radius: 1000.00 Length: 72.67 Mid-Ord: 0.66 Chord: 72.67 Ex: 0.66	RIGHT 6914.75 6927.88 6997.59	6264.48
PT	7+40.47	Length: 157.77 Delta: 45-24-48	7328.72 N 48-49-30 E	6288.52
		Tangent Data	6987.39	6266.17
0+26.69		Length: 300.13	N 03-24-42 E	6284.03
PC	6+98.62	Circular Curve Data	7286.98	6284.03
RP	7+77.88	Delta: 45-24-48 Radius: 1000.00 Length: 79.26 Mid-Ord: 7.75 Chord: 77.20 Ex: 6.40	RIGHT 7286.98 7286.98 7356.30 7.75 N 26-07-08 E	6284.03
PT	8+93.82	Length: 448.85 Delta: 29-04-17	7432.63 N 19-45-13 E	6405.28

C-Line

Horizontal Alignment Station and Curve Report

Alignment: c-car Desc: new road car lane centerline

Desc.	Station	Spiral/Curve Data	Northing	Easting
		Tangent Data	7356.30	6318.02
7+77.88		Length: 92.59	N 48-49-30 E	6387.71
PC	8+70.48	Circular Curve Data	7417.26	6387.71
RP	9+16.14	Delta: 29-04-17 Radius: 901.00 Length: 45.67 Mid-Ord: 2.98 Chord: 45.18 Ex: 2.98	RIGHT 7454.58 7454.58 23.34 2.98 N 34-17-21 E	6387.71
PT	13+14.66	Length: 218.83 Delta: 15-15-41	7855.06 N 35-00-54 E	6558.98
		Tangent Data	7454.58	6413.16
8+70.48		Length: 308.52	N 19-45-13 E	6534.34
PC	12+74.67	Circular Curve Data	7792.01	6534.34
RP	14+07.85	Delta: 15-15-41 Radius: 500.00 Length: 133.18 Mid-Ord: 4.43 Chord: 132.79 Ex: 4.47	RIGHT 7823.03 7909.92 765.99 4.47 N 27-23-03 E	6534.34
PT	15+59.79	Length: 200.04 Delta: 6-19-25	8034.36 N 28-41-29 E	6682.59
		Tangent Data	7909.92	6565.41
0+26.69		Length: 15+32.17	N 35-00-54 E	6566.75
PC	15+32.17	Circular Curve Data	8011.74	6566.75
RP	15+87.35	Delta: 06-19-25 Radius: 500.00 Length: 55.18 Mid-Ord: 0.76 Chord: 55.16 Ex: 0.76	LEFT 8011.74 8011.74 27.62 0.76 N 31-51-12 E	6566.75
PT	17+59.77	Length: 172.42 Delta: 16-21-11	8209.84 N 45-02-40 E	6778.63
		Tangent Data	8058.59	6682.59
0+26.69		Length: 7482.48	N 35-00-54 E	6682.59
PC	15+87.35	Circular Curve Data	8058.59	6682.59
RP	19+29.85	Delta: 16-21-11 Radius: 1200.00 Length: 342.50 Mid-Ord: 12.30 Chord: 341.34 Ex: 12.30	RIGHT 8058.59 8058.59 172.42 12.30 N 36-52-05 E	6682.59
PT	19+29.85	Length: 8331.67		6900.65

B-Line

Horizontal Alignment Station and Curve Report

Alignment: c-bus Desc: new centerline bus lane

Desc.	Station	Spiral/Curve Data	Northing	Easting
PI	0+00	Length: 18.83	7248.76 N 03-24-42 E	6281.75
		Tangent Data	7287.56	6281.75
0+00		Length: 219.72	N 48-49-30 E	6282.87
PC	0+00	Circular Curve Data	7248.76	6281.75
RP	0+435.67	Delta: 45-24-48 Radius: 45.00 Length: 35.67 Mid-Ord: 3.49 Chord: 34.74 Ex: 3.78	RIGHT 7248.76 7246.08 7279.95 3.78 N 26-07-08 E	6281.75
PT	2+36.55	Length: 38.89 Delta: 29-04-17	7412.21 N 19-45-13 E	6448.25
		Tangent Data	7279.95	6297.04
0+435.67		Length: 161.99	N 48-49-30 E	6418.98
PC	1+97.66	Circular Curve Data	7386.60	6418.98
RP	2+37.77	Delta: 29-04-17 Radius: 150.00 Length: 76.11 Mid-Ord: 4.80 Chord: 75.29 Ex: 4.80	LEFT 7489.51 7489.51 38.89 4.80 N 34-17-21 E	6418.98
PT	2+37.77	Length: 7448.81		6461.40

See sheet SC-10 for coordinate layout data and legend.

