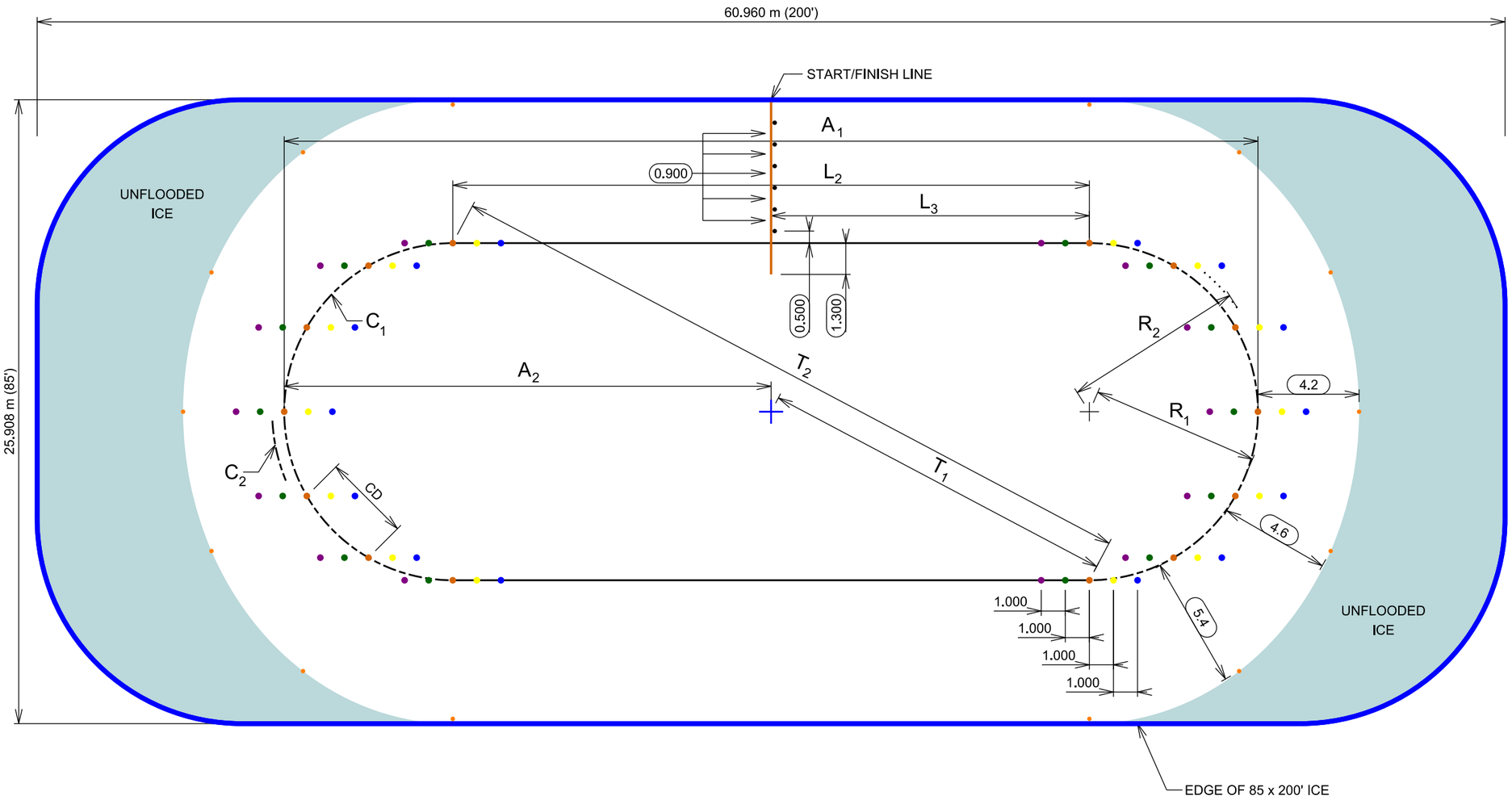
Track Dimension Summary: 7.0 m Radius, 100.000 m Skated Track			
	Description	**Formula For Calculation**	**Value**
	Straights		
L_1	Total Length of Straights	$TD_2 - C_2$	52.876
L_2	Length of One Straight	$L_1/2$	26.438
L_3	Length of 1/2 of One Straight	$L_1/4$	13.219
T_1	Center to Start of Curve	$(T_1)^2=(R_1)^2+(L_3)^2$	14.958
T_2	Start of Curve to Start of Curve (Measured on a diagonal)	T_1*2	29.916
A_1	Mid-Point of Curve to Mid-Point of Curve	$L_2+(R_1$*2)	40.438
A_2	Center to Mid-Point of Curve	$A_1/2$	20.219
	Curves		
R_1	Layout Curve Radius	**Curve Radius**	7.000
R_2	Skated Radius	R_1+0.500	7.500
C_1	Marked Track Curve Distance	2*R_1*PI	43.982
C_2	Skated Track Curve Distance	2*R_2*PI	47.124
a	Arc Length Between 2 Blocks	$C_1/12$	3.665
Ø	Angle Between Blocks From Radius Center (Radians)	a/R_1	0.52360
CD	Chord Distance Between Blocks	2*R_1-sin(Ø/2)	3.623
	Total Distance		
TD_1	Total Distance at Blocks	L_1+C_1	96.858
TD_2	Total Distance Skated Track	Total Track Skated	100.000



NOTE: PRINT DIAGRAM ON 11" X 17 " PAPER

DWN. BY A. PHINNEY DATE Sept 17, 2010

DWG No. SSC2010-005 REV.

4 0 4 8m

SCALE 1:200

PROJECT TITLE

100 m Racing Track on 25.908 m x 60.960 m Ice

DRAWING TITLE

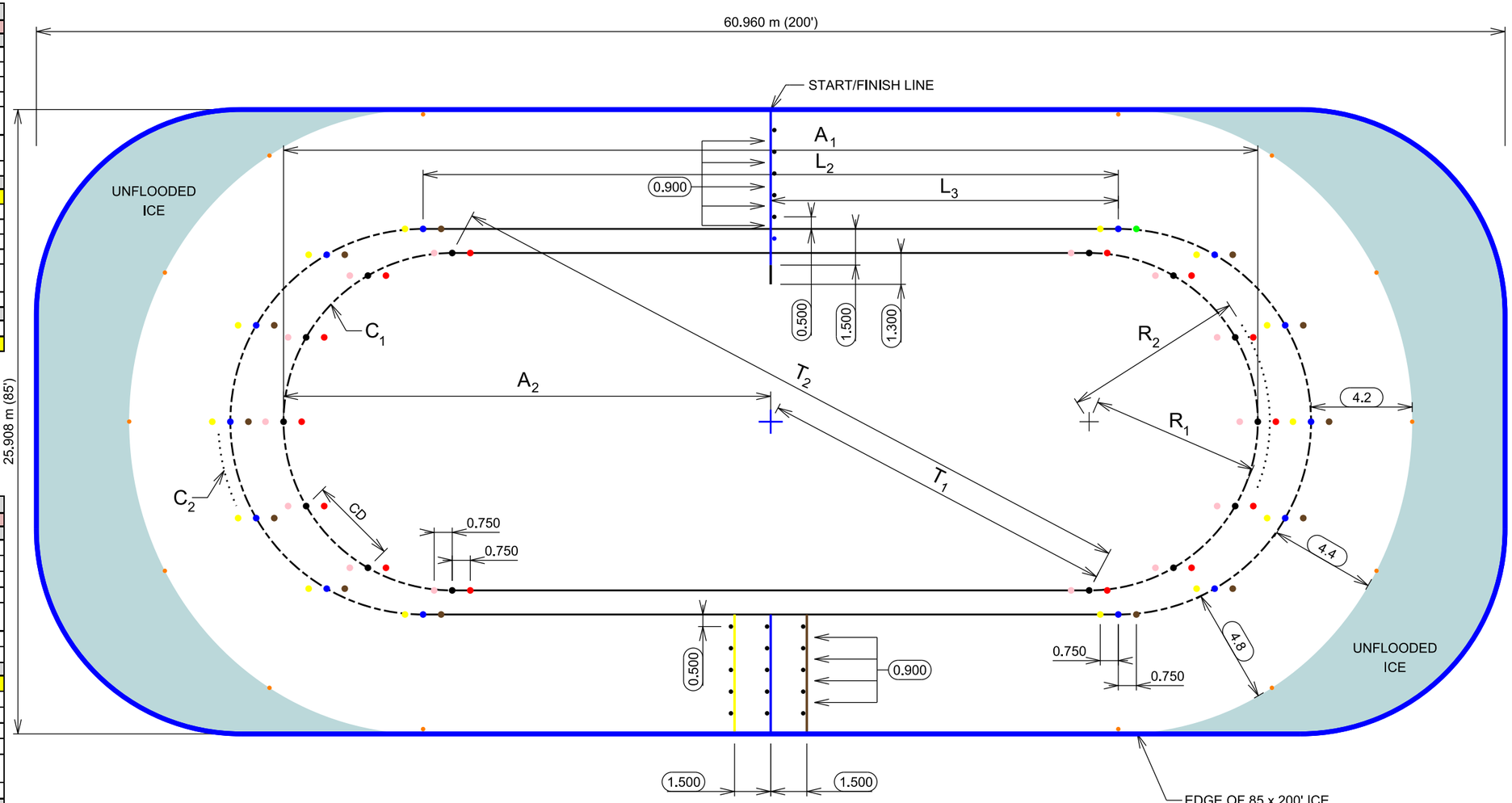
7 m Radius / 100.000 m Skated

CANADA

Speed Skating Canada
2781 Lancaster Road, Suite 402
Ottawa, Ontario, K1B 1A7
Tel: (613) 260-3669 Fax: (613) 260-3660
Email: ssc@speedskating.ca

Track Dimension Summary: 7.0 m Radius, 100.000 m Skated Track			
	Description	**Formula For Calculation**	**Value**
	Straights		
L_1	Total Length of Straights	$TD_2 - C_2$	52.876
L_2	Length of One Straight	$L_1/2$	26.438
L_3	Length of 1/2 of One Straight	$L_1/4$	13.219
T_1	Center to Start of Curve	$(T_1)^2=(R_1)^2+(L_3)^2$	14.958
T_2	Start of Curve to Start of Curve (Measured on a diagonal)	T_1*2	29.916
A_1	Mid-Point of Curve to Mid-Point of Curve	$L_2+(R_1*2)$	40.438
A_2	Center to Mid-Point of Curve	$A_1/2$	20.219
	Curves		
R_1	Layout Curve Radius	**Curve Radius**	7.000
R_2	Skated Radius	$R_1+0.500$	7.500
C_1	Marked Track Curve Distance	$2*R_1*PI$	43.982
C_2	Skated Track Curve Distance	$2*R_2*PI$	47.124
a	Arc Length Between 2 Blocks	$C_1/12$	3.665
Ø	Angle Between Blocks From Radius Center (Radians)	a/R_1	0.52360
CD	Chord Distance Between Blocks	$2*R_1*\sin(Ø/2)$	3.623
	Total Distance		
TD_1	Total Distance at Blocks	L_1,C_1	96.858
TD_2	Total Distance Skated Track	Total Track Skated	100.000

Track Dimension Summary: 8.0 m Radius, 111.120 m Skated Track			
	Description	**Formula For Calculation**	**Value**
	Straights		
L_1	Total Length of Straights	$TD_2 - C_2$	57.713
L_2	Length of One Straight	$L_1/2$	28.856
L_3	Length of 1/2 of One Straight	$L_1/4$	14.428
T_1	Center to Start of Curve	$(T_1)^2=(R_1)^2+(L_3)^2$	16.498
T_2	Start of Curve to Start of Curve (Measured on a diagonal)	T_1*2	32.995
A_1	Mid-Point of Curve to Mid-Point of Curve	$L_2+(R_1*2)$	44.856
A_2	Center to Mid-Point of Curve	$A_1/2$	22.428
	Curves		
R_1	Layout Curve Radius	**Curve Radius**	8.000
R_2	Skated Radius	$R_1+0.500$	8.500
C_1	Marked Track Curve Distance	$2*R_1*PI$	50.265
C_2	Skated Track Curve Distance	$2*R_2*PI$	53.407
a	Arc Length Between 2 Blocks	$C_1/12$	4.189
Ø	Angle Between Blocks From Radius Center (Radians)	a/R_1	0.52360
CD	Chord Distance Between Blocks	$2*R_1*\sin(Ø/2)$	4.141
	Total Distance		
TD_1	Total Distance at Blocks	L_1,C_1	107.978
TD_2	Total Distance Skated Track	Total Track Skated	111.120



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DWN. BY A. PHINNEY DATE Sept 19, 2010

DWG No. SSC2010-004 REV.

4 0 4 8m

SCALE 1:200

PROJECT TITLE

100 m & 111.12 m Racing Tracks on 25.908 m x 60.960 m Ice

DRAWING TITLE

7 m Radius / 100.000 m Skated
8 m Radius / 111.120 m Skated

CANADA

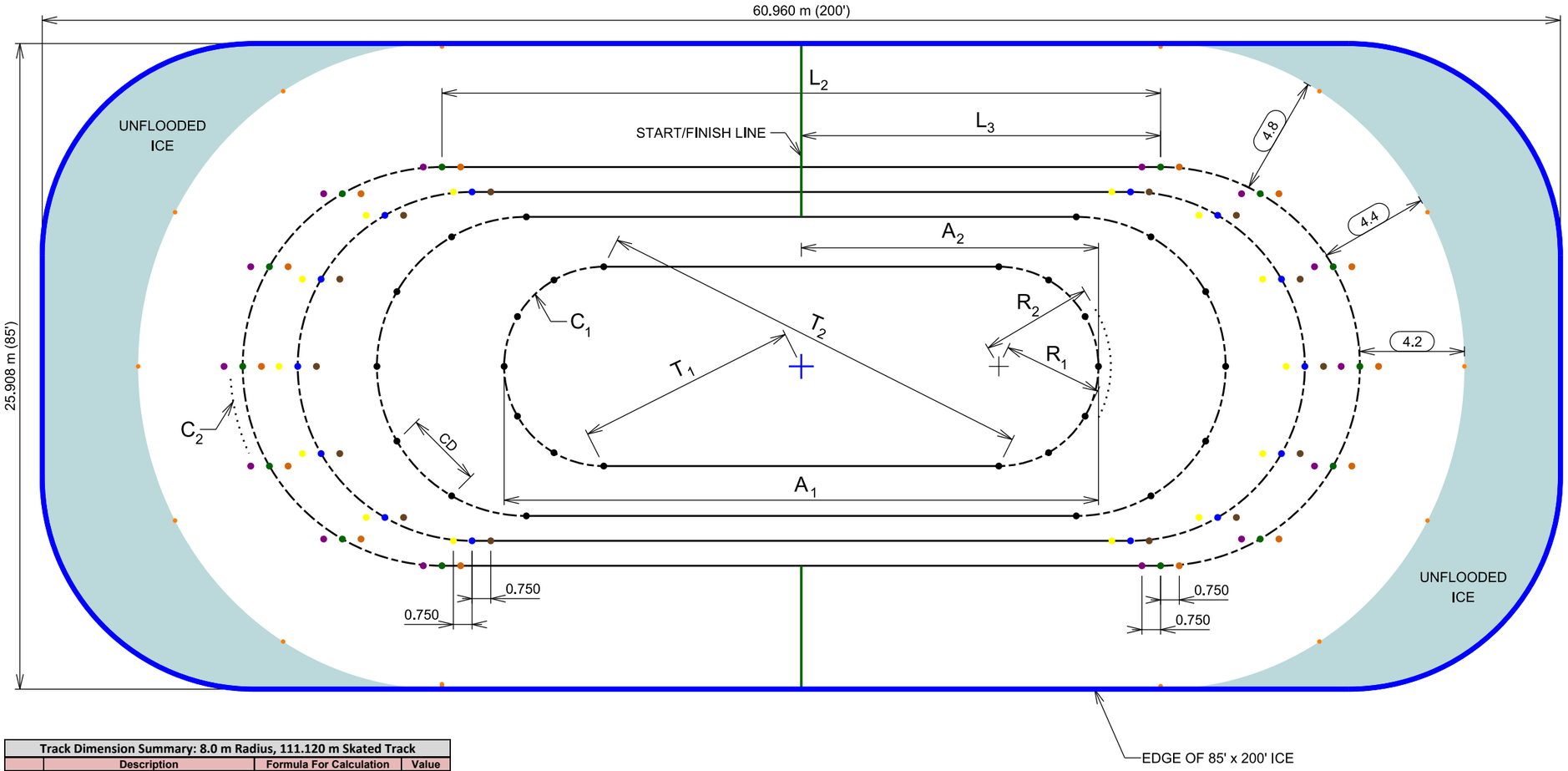
Speed Skating Canada
2781 Lancaster Road, Suite 402
Ottawa, Ontario, K1B 1A7
Tel: (613) 260-3669 Fax: (613) 260-3660
Email: ssc@speedskating.ca

Track Dimension Summary: 4.0 m Radius, 60.000 m Skated Track			
	Description	**Formula For Calculation**	**Value**
	Straights		
L_1	Total Length of Straights	$TD_2 - C_2$	31.726
L_2	Length of One Straight	$L_1/2$	15.863
L_3	Length of 1/2 of One Straight	$L_1/4$	7.931
T_1	Center to Start of Curve	$(T_1)^2=(R_1)^2+(L_3)^2$	8.883
T_2	Start of Curve to Start of Curve (Measured on a diagonal)	T_1*2	17.766
A_1	Mid-Point of Curve to Mid-Point of Curve	$L_2+(R_1*2)$	23.863
A_2	Center to Mid-Point of Curve	$A_1/2$	11.931
	Curves		
R_1	Layout Curve Radius	**Curve Radius**	4.000
R_2	Skated Radius	$R_1+0.500$	4.500
C_1	Marked Track Curve Distance	$2*R_1*PI$	25.133
C_2	Skated Track Curve Distance	$2*R_2*PI$	28.274
a	Arc Length Between 2 Blocks	$C_1/12$	2.094
Ø	Angle Between Blocks From Radius Center (Radians)	a/R_1	0.52360
CD	Chord Distance Between Blocks	$2*R_1*\sin(Ø/2)$	2.071
	Total Distance		
TD_1	Total Distance at Blocks	L_1+C_1	56.858
TD_2	Total Distance Skated Track	Total Track Skated	60.000

Track Dimension Summary: 6.0 m Radius, 85.000 m Skated Track			
	Description	**Formula For Calculation**	**Value**
	Straights		
L_1	Total Length of Straights	$TD_2 - C_2$	44.159
L_2	Length of One Straight	$L_1/2$	22.080
L_3	Length of 1/2 of One Straight	$L_1/4$	11.040
T_1	Center to Start of Curve	$(T_1)^2=(R_1)^2+(L_3)^2$	12.565
T_2	Start of Curve to Start of Curve (Measured on a diagonal)	T_1*2	25.130
A_1	Mid-Point of Curve to Mid-Point of Curve	$L_2+(R_1*2)$	34.080
A_2	Center to Mid-Point of Curve	$A_1/2$	17.040
	Curves		
R_1	Layout Curve Radius	**Curve Radius**	6.000
R_2	Skated Radius	$R_1+0.500$	6.500
C_1	Marked Track Curve Distance	$2*R_1*PI$	37.699
C_2	Skated Track Curve Distance	$2*R_2*PI$	40.841
a	Arc Length Between 2 Blocks	$C_1/12$	3.142
Ø	Angle Between Blocks From Radius Center (Radians)	a/R_1	0.52360
CD	Chord Distance Between Blocks	$2*R_1*\sin(Ø/2)$	3.106
	Total Distance		
TD_1	Total Distance at Blocks	L_1+C_1	81.858
TD_2	Total Distance Skated Track	Total Track Skated	85.000

Track Dimension Summary: 7.0 m Radius, 100.000 m Skated Track			
	Description	**Formula For Calculation**	**Value**
	Straights		
L_1	Total Length of Straights	$TD_2 - C_2$	52.876
L_2	Length of One Straight	$L_1/2$	26.438
L_3	Length of 1/2 of One Straight	$L_1/4$	13.219
T_1	Center to Start of Curve	$(T_1)^2=(R_1)^2+(L_3)^2$	14.958
T_2	Start of Curve to Start of Curve (Measured on a diagonal)	T_1*2	29.916
A_1	Mid-Point of Curve to Mid-Point of Curve	$L_2+(R_1*2)$	40.438
A_2	Center to Mid-Point of Curve	$A_1/2$	20.219
	Curves		
R_1	Layout Curve Radius	**Curve Radius**	7.000
R_2	Skated Radius	$R_1+0.500$	7.500
C_1	Marked Track Curve Distance	$2*R_1*PI$	43.982
C_2	Skated Track Curve Distance	$2*R_2*PI$	47.124
a	Arc Length Between 2 Blocks	$C_1/12$	3.665
Ø	Angle Between Blocks From Radius Center (Radians)	a/R_1	0.52360
CD	Chord Distance Between Blocks	$2*R_1*\sin(Ø/2)$	3.623
	Total Distance		
TD_1	Total Distance at Blocks	L_1+C_1	96.858
TD_2	Total Distance Skated Track	Total Track Skated	100.000

Track Dimension Summary: 8.0 m Radius, 111.120 m Skated Track			
	Description	**Formula For Calculation**	**Value**
	Straights		
L_1	Total Length of Straights	$TD_2 - C_2$	57.713
L_2	Length of One Straight	$L_1/2$	28.856
L_3	Length of 1/2 of One Straight	$L_1/4$	14.428
T_1	Center to Start of Curve	$(T_1)^2=(R_1)^2+(L_3)^2$	16.498
T_2	Start of Curve to Start of Curve (Measured on a diagonal)	T_1*2	32.995
A_1	Mid-Point of Curve to Mid-Point of Curve	$L_2+(R_1*2)$	44.856
A_2	Center to Mid-Point of Curve	$A_1/2$	22.428
	Curves		
R_1	Layout Curve Radius	**Curve Radius**	8.000
R_2	Skated Radius	$R_1+0.500$	8.500
C_1	Marked Track Curve Distance	$2*R_1*PI$	50.265
C_2	Skated Track Curve Distance	$2*R_2*PI$	53.407
a	Arc Length Between 2 Blocks	$C_1/12$	4.189
Ø	Angle Between Blocks From Radius Center (Radians)	a/R_1	0.52360
CD	Chord Distance Between Blocks	$2*R_1*\sin(Ø/2)$	4.141
	Total Distance		
TD_1	Total Distance at Blocks	L_1+C_1	107.978
TD_2	Total Distance Skated Track	Total Track Skated	111.120



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DWN. BY A. PHINNEY DATE Sept 17, 2010

DWG No. SSC2010-002 REV.

4 0 4 8m

SCALE 1:200

PROJECT TITLE

60 m, 85 m, 100 m & 111.12 m Training Tracks on 25.908 m x 60.960 m Ice

DRAWING TITLE

4 m Radius / 60.000 m Skated
6 m Radius / 85.000 m Skated
7 m Radius / 100.000 m Skated
8 m Radius / 111.120 m Skated

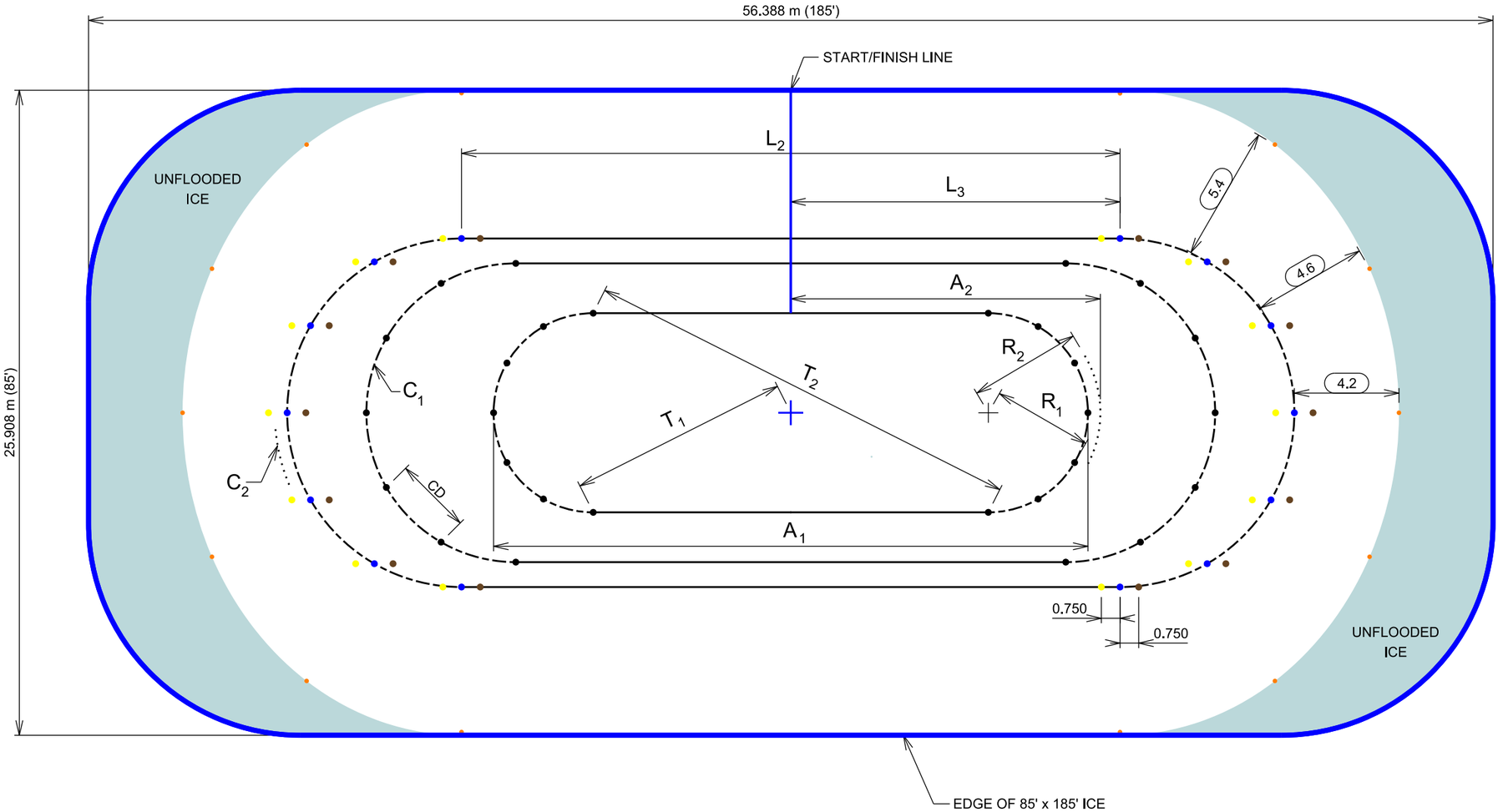
CANADA

Speed Skating Canada
2781 Lancaster Road, Suite 402
Ottawa, Ontario, K1B 1A7
Tel: (613) 260-3669 Fax: (613) 260-3660
Email: ssc@speedskating.ca

Track Dimension Summary: 4.0 m Radius, 60.000 m Skated Track			
	Description	**Formula For Calculation**	**Value**
	Straights		
L_1	Total Length of Straights	$TD_2 - C_2$	31.726
L_2	Length of One Straight	$L_1/2$	15.863
L_3	Length of 1/2 of One Straight	$L_1/4$	7.931
T_1	Center to Start of Curve	$(T_1)^2=(R_1)^2+(L_3)^2$	8.883
T_2	Start of Curve to Start of Curve (Measured on a diagonal)	T_1*2	17.766
A_1	Mid-Point of Curve to Mid-Point of Curve	$L_2+(R_1*2)$	23.863
A_2	Center to Mid-Point of Curve	$A_1/2$	11.931
	Curves		
R_1	Layout Curve Radius	**Curve Radius**	4.000
R_2	Skated Radius	$R_1+0.500$	4.500
C_1	Marked Track Curve Distance	$2*R_1*PI$	25.133
C_2	Skated Track Curve Distance	$2*R_2*PI$	28.274
a	Arc Length Between 2 Blocks	$C_1/12$	2.094
Ø	Angle Between Blocks From Radius Center (Radians)	a/R_1	0.52360
CD	Chord Distance Between Blocks	$2*R_1*\sin(Ø/2)$	2.071
	Total Distance		
TD_1	Total Distance at Blocks	L_1,C_1	56.858
TD_2	Total Distance Skated Track	Total Track Skated	60.000

Track Dimension Summary: 6.0 m Radius, 85.000 m Skated Track			
	Description	**Formula For Calculation**	**Value**
	Straights		
L_1	Total Length of Straights	$TD_2 - C_2$	44.159
L_2	Length of One Straight	$L_1/2$	22.080
L_3	Length of 1/2 of One Straight	$L_1/4$	11.040
T_1	Center to Start of Curve	$(T_1)^2=(R_1)^2+(L_3)^2$	12.565
T_2	Start of Curve to Start of Curve (Measured on a diagonal)	T_1*2	25.130
A_1	Mid-Point of Curve to Mid-Point of Curve	$L_2+(R_1*2)$	34.080
A_2	Center to Mid-Point of Curve	$A_1/2$	17.040
	Curves		
R_1	Layout Curve Radius	**Curve Radius**	6.000
R_2	Skated Radius	$R_1+0.500$	6.500
C_1	Marked Track Curve Distance	$2*R_1*PI$	37.699
C_2	Skated Track Curve Distance	$2*R_2*PI$	40.841
a	Arc Length Between 2 Blocks	$C_1/12$	3.142
Ø	Angle Between Blocks From Radius Center (Radians)	a/R_1	0.52360
CD	Chord Distance Between Blocks	$2*R_1*\sin(Ø/2)$	3.106
	Total Distance		
TD_1	Total Distance at Blocks	L_1,C_1	81.858
TD_2	Total Distance Skated Track	Total Track Skated	85.000

Track Dimension Summary: 7.0 m Radius, 100.000 m Skated Track			
	Description	**Formula For Calculation**	**Value**
	Straights		
L_1	Total Length of Straights	$TD_2 - C_2$	52.876
L_2	Length of One Straight	$L_1/2$	26.438
L_3	Length of 1/2 of One Straight	$L_1/4$	13.219
T_1	Center to Start of Curve	$(T_1)^2=(R_1)^2+(L_3)^2$	14.958
T_2	Start of Curve to Start of Curve (Measured on a diagonal)	T_1*2	29.916
A_1	Mid-Point of Curve to Mid-Point of Curve	$L_2+(R_1*2)$	40.438
A_2	Center to Mid-Point of Curve	$A_1/2$	20.219
	Curves		
R_1	Layout Curve Radius	**Curve Radius**	7.000
R_2	Skated Radius	$R_1+0.500$	7.500
C_1	Marked Track Curve Distance	$2*R_1*PI$	43.982
C_2	Skated Track Curve Distance	$2*R_2*PI$	47.124
a	Arc Length Between 2 Blocks	$C_1/12$	3.665
Ø	Angle Between Blocks From Radius Center (Radians)	a/R_1	0.52360
CD	Chord Distance Between Blocks	$2*R_1*\sin(Ø/2)$	3.623
	Total Distance		
TD_1	Total Distance at Blocks	L_1,C_1	96.858
TD_2	Total Distance Skated Track	Total Track Skated	100.000



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DWN. BY A. PHINNEY DATE Sept 19, 2010

DWG No. SSC2010-001 REV.

4 0 4 8m

SCALE 1:200

PROJECT TITLE

60 m, 85 m & 100 m Training Tracks on 25.908 m x 56.388 m Ice

DRAWING TITLE

4 m Radius / 60.000 m Skated
6 m Radius / 85.000 m Skated
7 m Radius / 100.000 m Skated

Speed Skating Canada
2781 Lancaster Road, Suite 402
Ottawa, Ontario, K1B 1A7
Tel: (613) 260-3669 Fax: (613) 260-3660
Email: ssc@speedskating.ca

Track Dimension Summary: 8.0 m Radius, 111.120 m Skated Track			
	Description	**Formula For Calculation**	**Value**
	Straights		
L_1	Total Length of Straights	$TD_2 - C_2$	57.713
L_2	Length of One Straight	$L_1/2$	28.856
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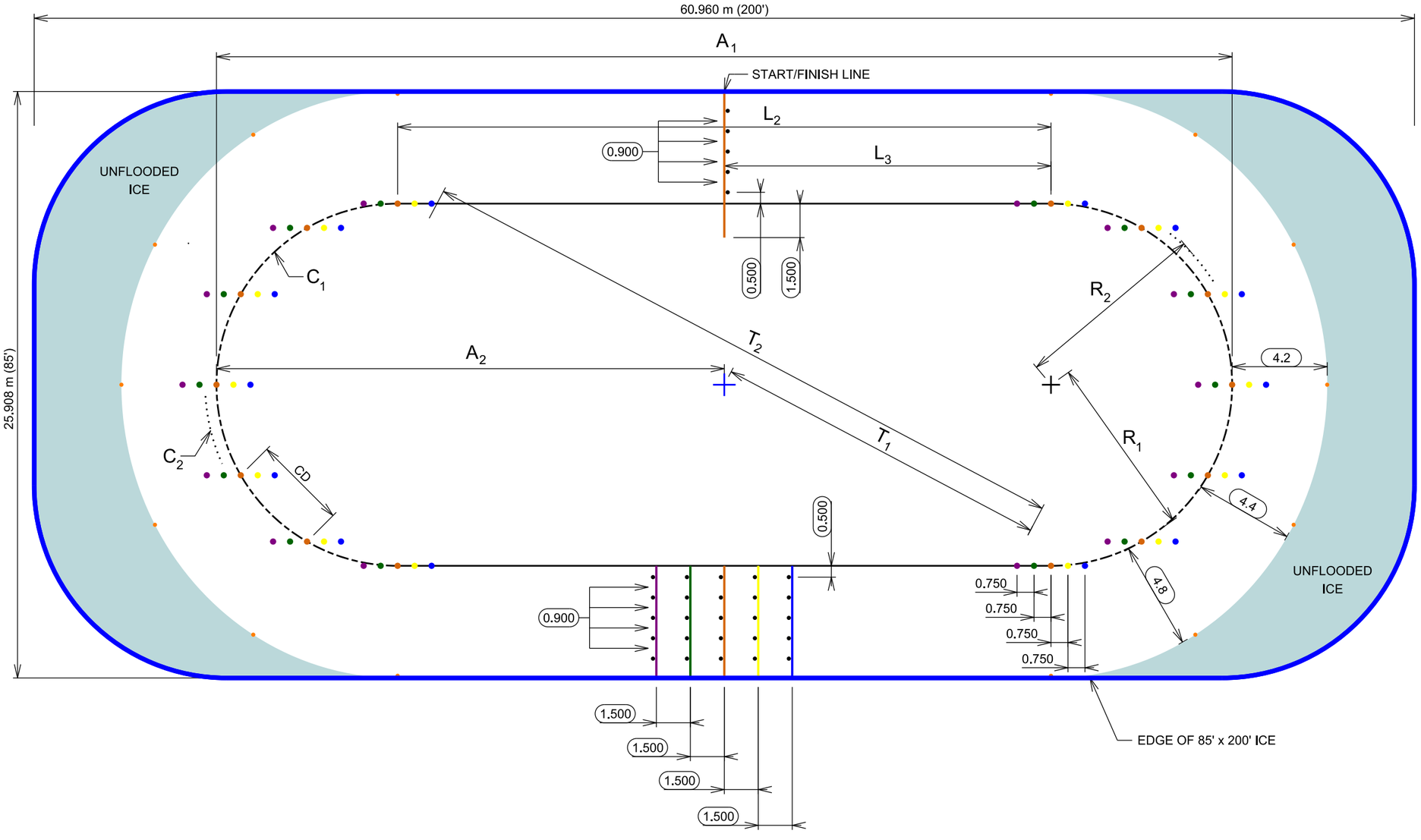
T_1	Center to Start of Curve	$(T_1)^2=(R_1)^2+(L_3)^2$	16.498
T_2	Start of Curve to Start of Curve (Measured on a diagonal)	T_1*2	32.995
A_1	Mid-Point of Curve to Mid-Point of Curve	$L_2+(R_1*2)$	44.856
A_2	Center to Mid-Point of Curve	$A_1/2$	22.428
	Curves		
R_1	Layout Curve Radius	**Curve Radius**	8.000
R_2	Skated Radius	$R_1+0.500$	8.500
C_1	Marked Track Curve Distance	$2*R_1*PI$	50.265
C_2	Skated Track Curve Distance	$2*R_2*PI$	53.407
a	Arc Length Between 2 Blocks	$C_1/12$	4.189
Ø	Angle Between Blocks From Radius Center (Radians)	a/R_1	0.52360
CD	Chord Distance Between Blocks	$2*R_1*\sin(Ø/2)$	4.141
	Total Distance		
TD_1	Total Distance at Blocks	L_1+C_1	107.978
TD_2	Total Distance Skated Track	Total Track Skated	111.120



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DWN. BY A. PHINNEY DATE Sept 17, 2010

DWG No. SSC2010-008 REV.

4 0 4 8m

SCALE 1:200

PROJECT TITLE

111.12 m Racing Track on 25.908 m x 60.960 m Ice

DRAWING TITLE

8 m Radius / 111.120 m Skated

Speed Skating Canada
2781 Lancaster Road, Suite 402
Ottawa, Ontario, K1B 1A7
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