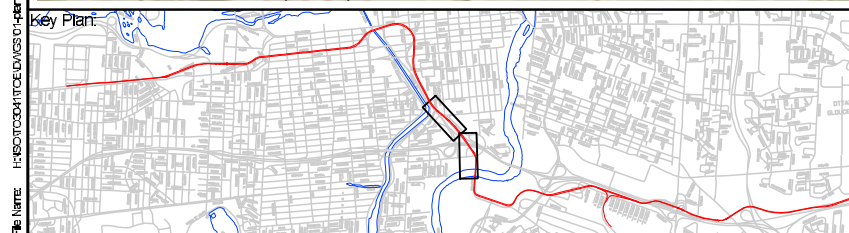
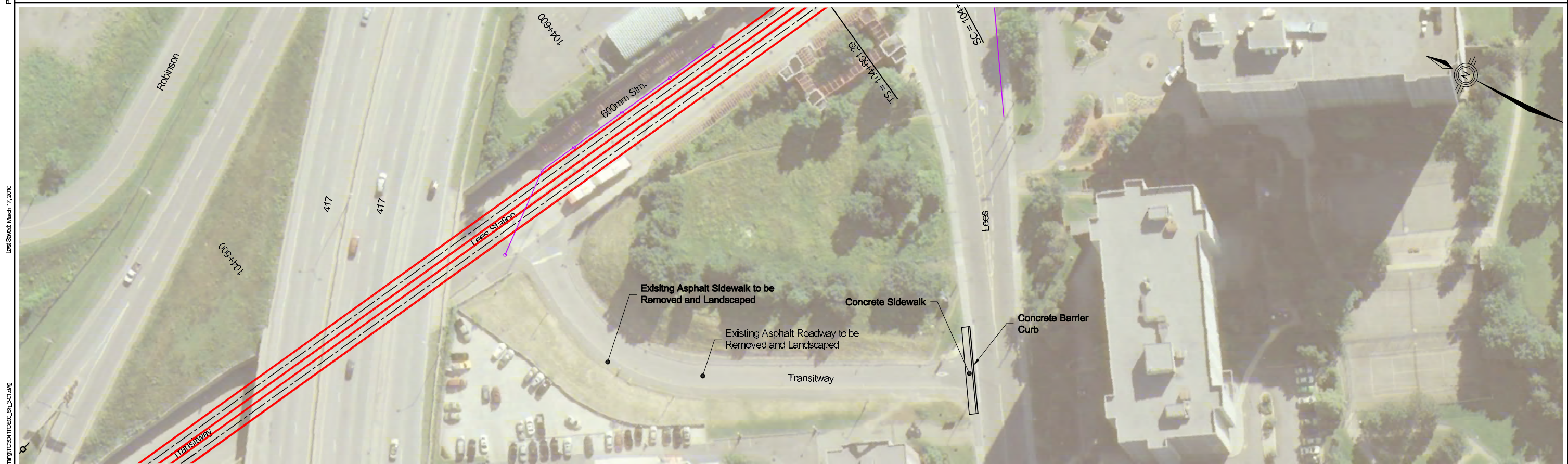
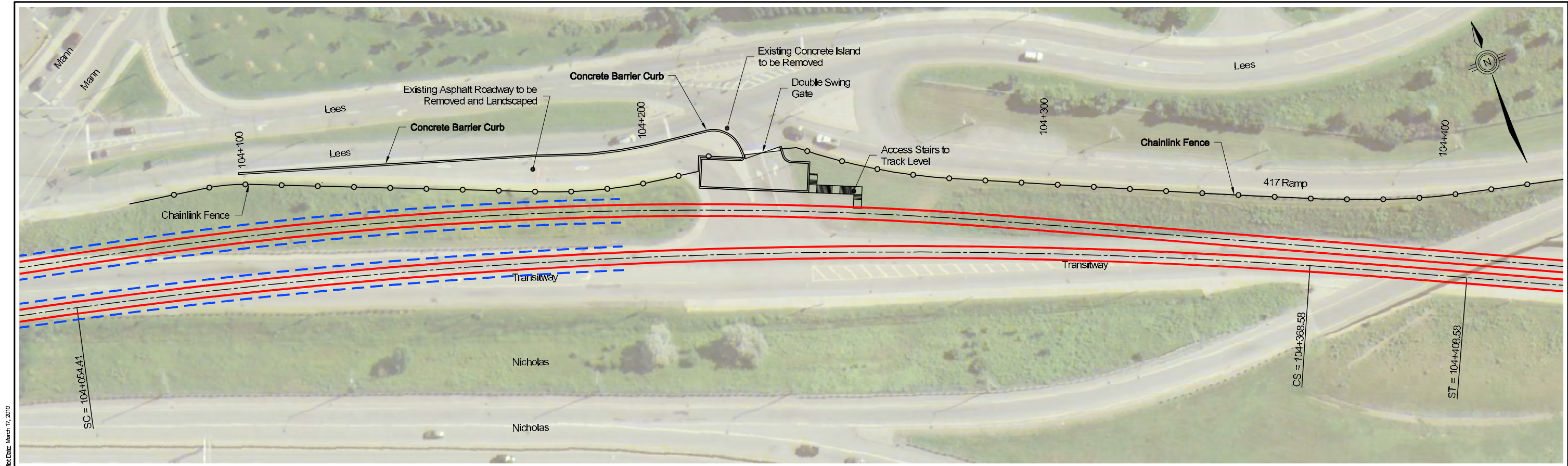


ANCILLARY FEATURES



Legend:

[Symbol]	[Description]
[Symbol]	[Description]
[Symbol]	[Description]

Downtown Ottawa Transit Tunnel

Tunney's Pasture to Blair Via a Downtown LRT Tunnel

HORIZONTAL

Section:

Ancillary Features

Access Control North of Lees

Access Control from Lees Avenue

Revision:

Sheet:

9-64

Plot Date: March 17, 2010

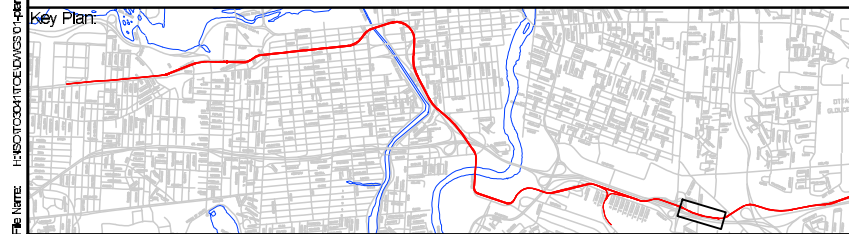
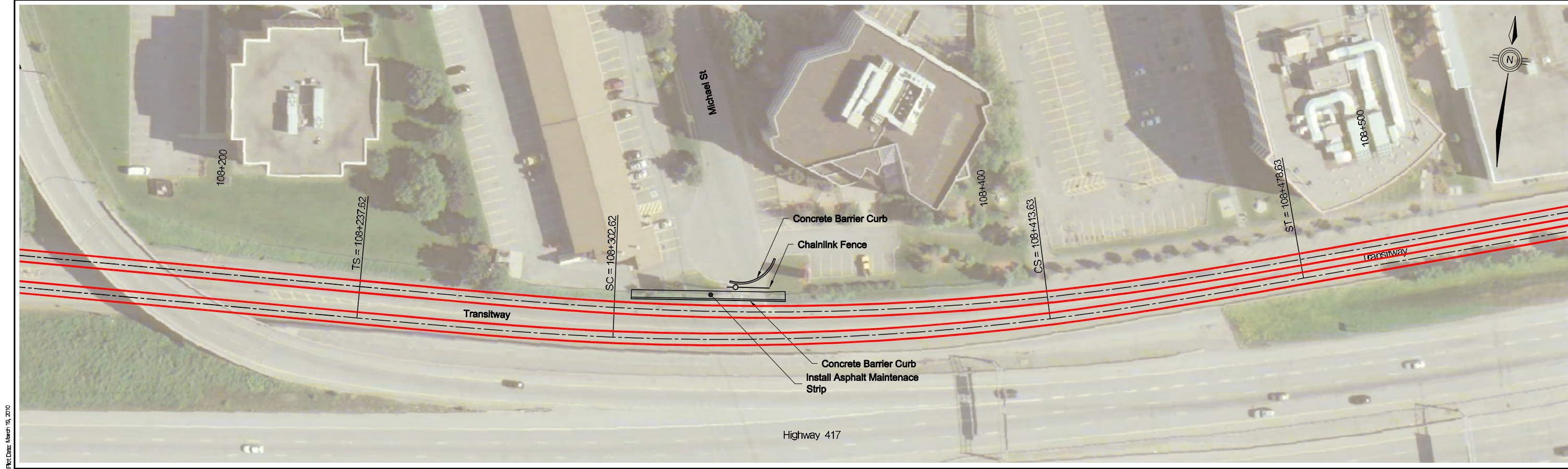
Last Saved: March 17, 2010

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Plot Date: March 19, 2010

Last Saved: March 19, 2010

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Legend:

Downtown Ottawa Transit Tunnel

Tunney's Pasture to Blair Via a Downtown LRT Tunnel

3m

10

20

40

60

80

HORIZONTAL



Section:

Ancillary Features

Access Control Michael Street

Revision:

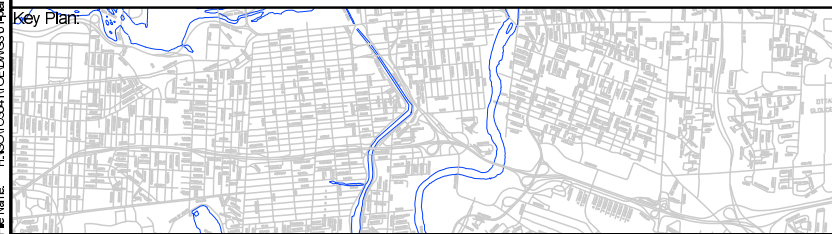
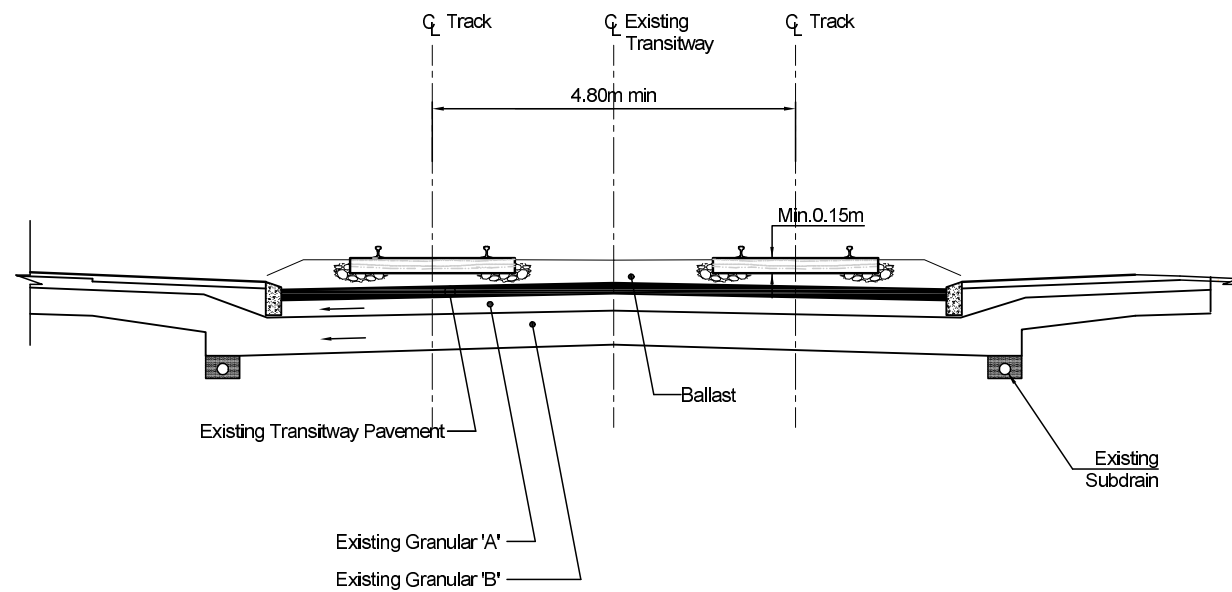
Sheet:

9-66

Plot Date: March 17, 2010

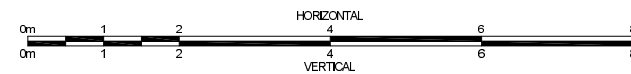
Last Saved: March 17, 2010

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Legend:

Downtown Ottawa Transit Tunnel Tunney's Pasture to Blair Via a Downtown LRT Tunnel



Section:

Typical Transitway Conversion Section

Revision:

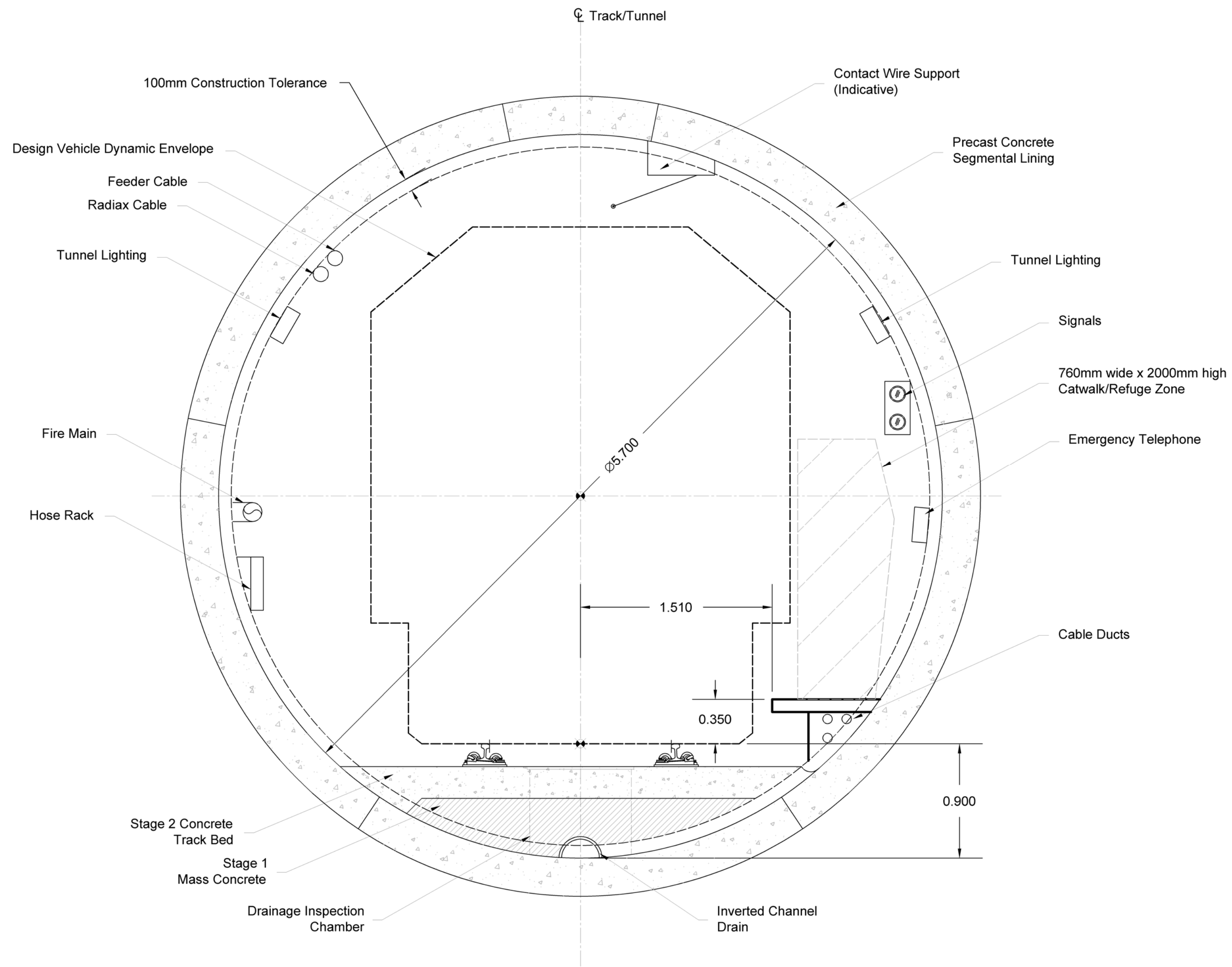
Sheet

9-67

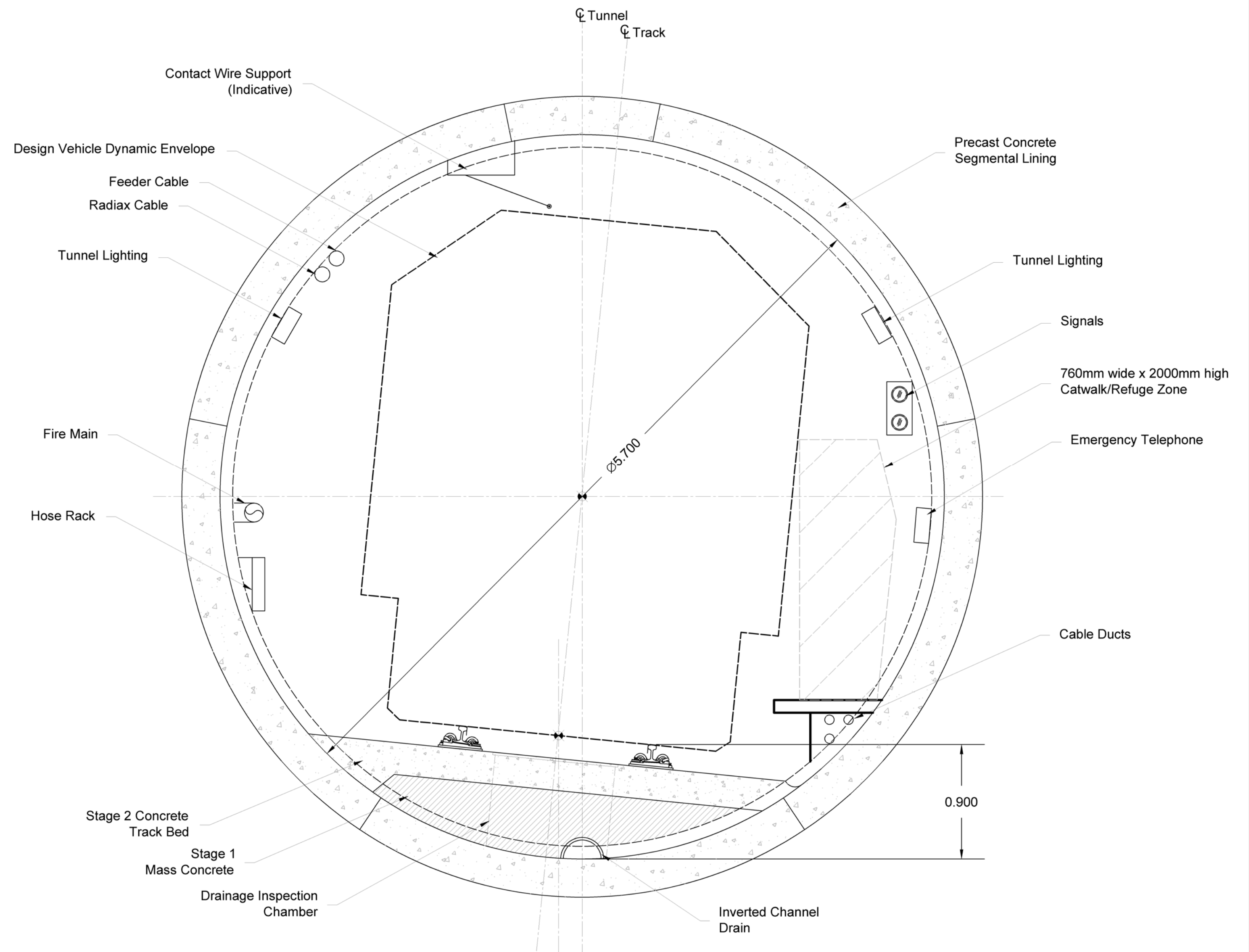
Plot Date: December 7, 2009

Last Saved: December 3, 2009

File Name: C:\documents And Settings\davidm\work\dotfiles\00093\TTDOTT-HGL-00-XX-DR-C-01101-02.01.dwg



Tangent Track
Scale 1:25



Max Superelevation
Scale 1:25

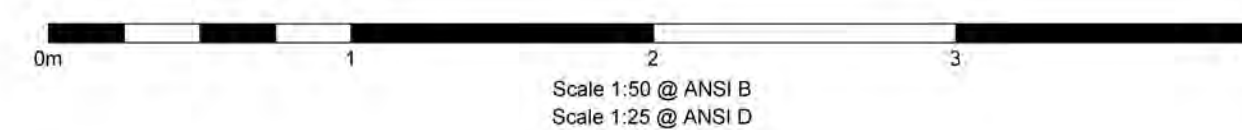
Key Plan:

**DRAFT FOR
DISCUSSION**

Notes:

1. The information shown on this drawing is preliminary, for outline planning purposes only. The tunnels, stations and shaft details and outlines are subject to further geotechnical and other infrastructure investigations and to ongoing railway alignment development.
2. Information shown is based on City of Edmonton LRT Design Guidelines (Feb. 2005) and NFPA 130 2007.
3. All dimensions are in metres unless shown otherwise.
4. All information shown is indicative of the structural requirements. Actual structural and detail arrangements remain to be confirmed and are subject to future investigations, assessments and design.

Downtown Ottawa Transit Tunnel
Tunney's Pasture to Blair via a Downtown LRT Tunnel

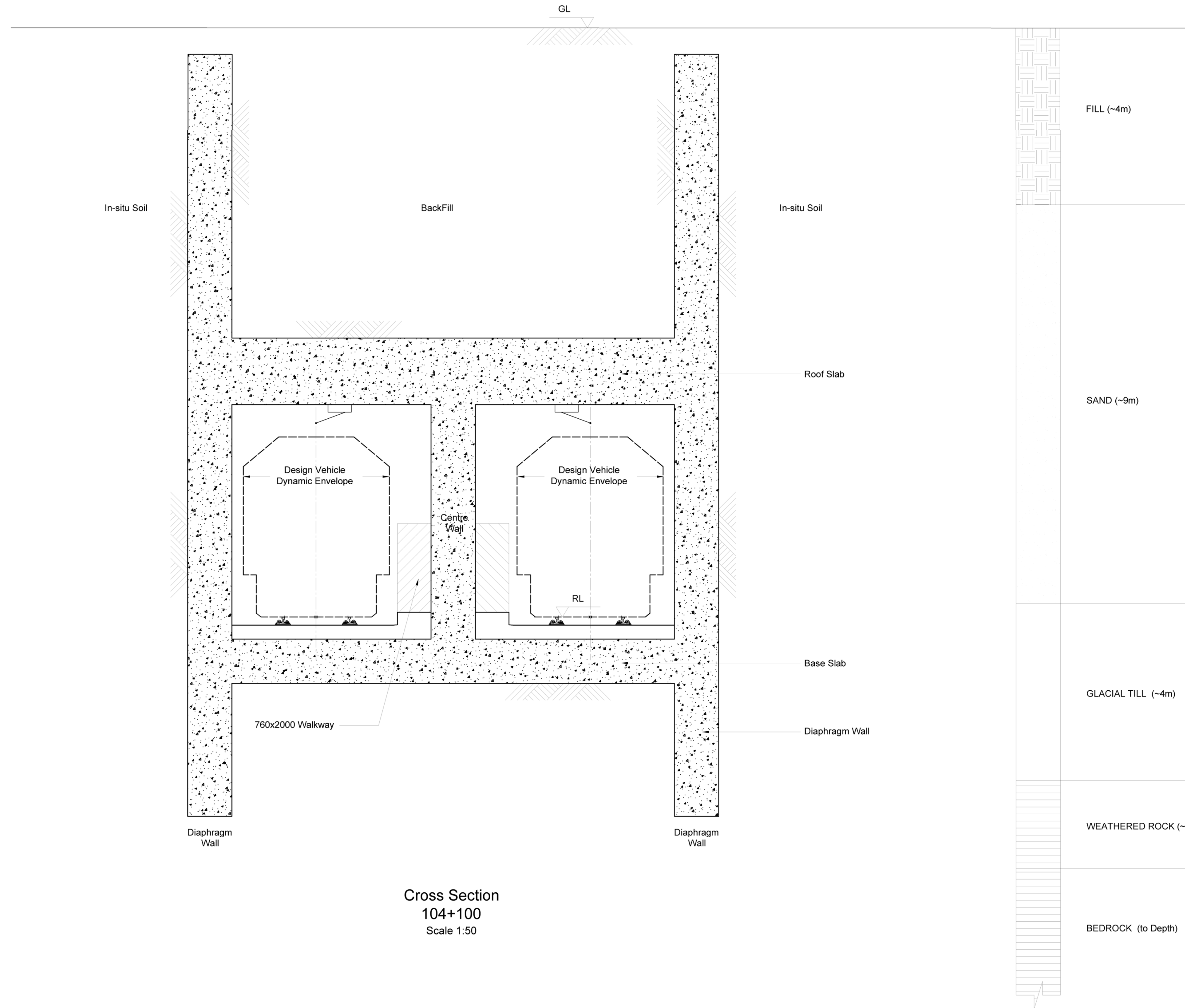


Section:		Typical Cross Sections			
		Bored Tunnels			
		TTDOTT-HGL-00-XX-DR-01101			
		Revision: 02			
		Sheet: 9-68			
02	JR	AE	JMB	03/12/09	Platform Lowered
01	JR	AE	JMB	16/10/09	First Issue
Rev	By	Chkd	Aprvd	Date	Description

Plot Date: December 7, 2009

Last Saved: December 3, 2009

File Name: C:\documents And Settings\adam\pww_dott\utms\00093\TTDOTT-HGL-00-XX-DR-C-01722-02.01.dwg



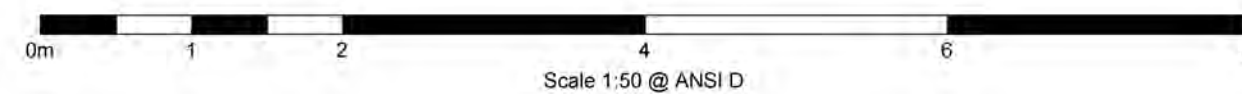
Cross Section
104+100
Scale 1:50

Key Plan:

Notes:

1. The information shown on this drawing is preliminary, for outline planning purposes only. The tunnels, stations and shaft details and outlines are subject to further geotechnical and other infrastructure investigations and to ongoing railway alignment development.
2. Information shown is based on City of Edmonton LRT Design Guidelines (Feb. 2005) and NFPA 130 2007.
3. All dimensions are in metres unless shown otherwise.
4. Rail level shown is taken from Profile June 2009

Downtown Ottawa Transit Tunnel Tunney's Pasture to Blair via a Downtown LRT Tunnel



Section: Typical Cut & Cover Tunnel

TTDOTT-HGL-00-XX-DR-01722

Rev	By	Chkd	Aprvd	Date	Description
02	JR	AE	JMB	03/12/09	Dimensions Removed
01	JR	AE	JMB	16/10/09	First Issue

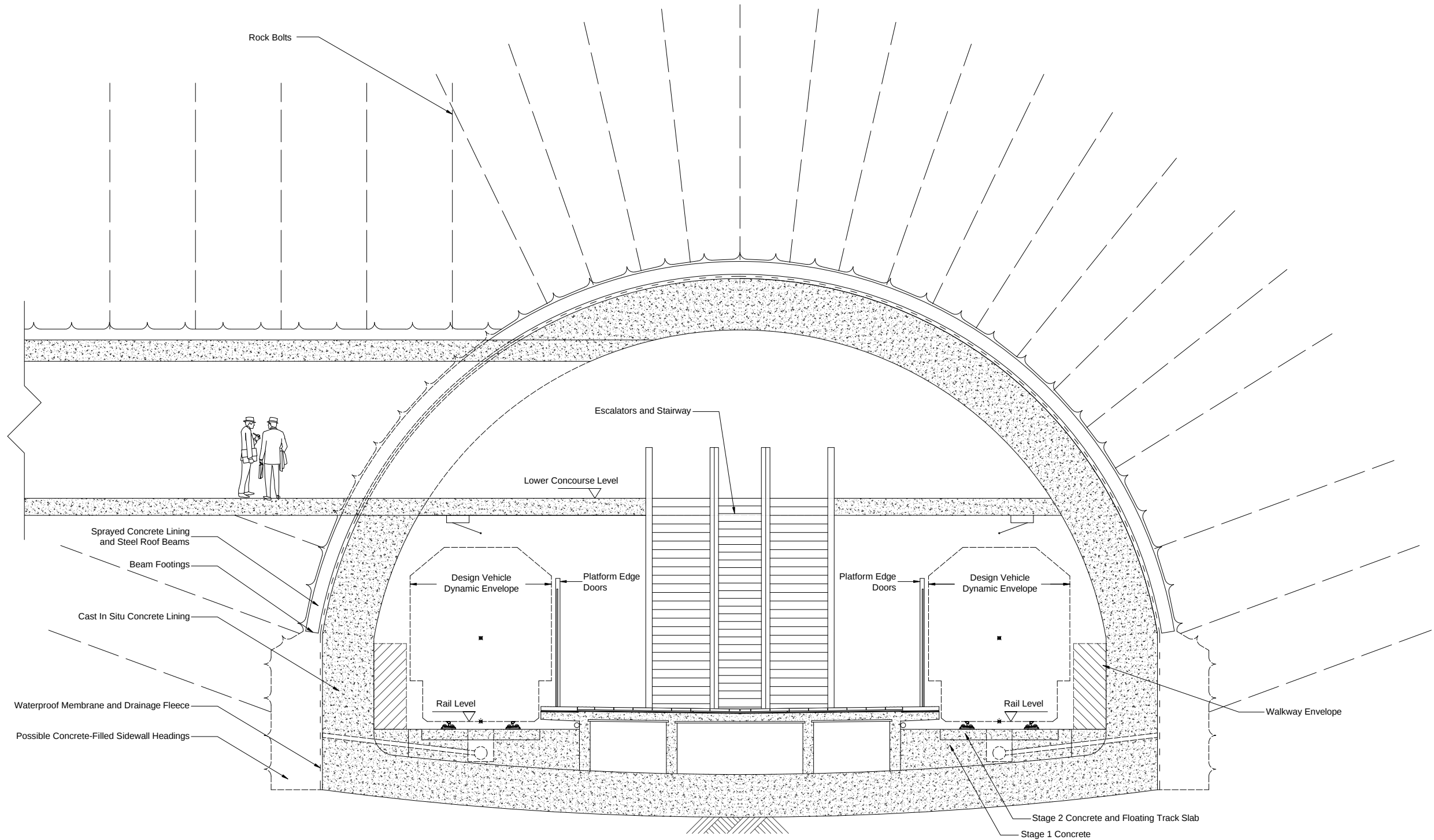
Revision:
02

Sheet:
9 - 69

Plot Date: December 4, 2009

Last Saved: December 4, 2009

File Name: C:\documents And Settings\jsw_dottme\0083\TTDOTT-HGL-00-XX-DR-C-01111-01.dwg



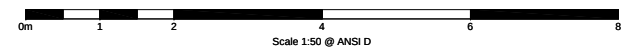
Key Plan:

Notes:

1. The information shown on this drawing is preliminary, for outline planning purposes only. The tunnels, stations and shaft details and outlines are subject to further geotechnical and other infrastructure investigations and to ongoing railway alignment development.
2. Information shown is based on City of Edmonton LRT Design Guidelines (Feb. 2005) and NFPA 130 2007.
3. All dimensions are in metres unless shown otherwise.
4. All information shown is indicative of the outline structural requirements for a cavern type station. Details remain to be confirmed and are subject to future investigations, assessments, analysis and design.

Downtown Ottawa Transit Tunnel

Tunney's Pasture to Blair via a Downtown LRT Tunnel



Section: Typical Cross Section of Station Cavern

TTDOTT-HGL-00-XX-DR-C-01111

Rev	By	Chkd	Aprvd	Date	Description
01	JR	JMB	JMB	04/12/09	First Issue

Revision: 01

Sheet:

9 - 70

Plot Date: December 7, 2009

Last Saved: December 3, 2009

File Name: C:\documents And Settings\delcan\work\dot\tdott\hgl-00-xx-dr-c-01402-01.dwg

Key Plan:

PLAN A-A AT FAN GALLERY LEVEL

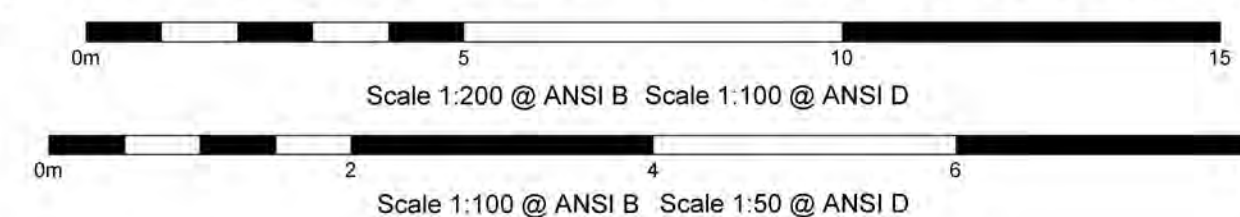
SCALE: 1/400 @ ANSI B
SCALE: 1/200 @ ANSI D

RAIL LEVEL
(31.09m)

SECTION B-B ON VENTILATION SHAFT

SCALE: 1/200 @ ANSI B
SCALE: 1/100 @ ANSI D

Downtown Ottawa Transit Tunnel
Tunney's Pasture to Blair via a Downtown LRT Tunnel

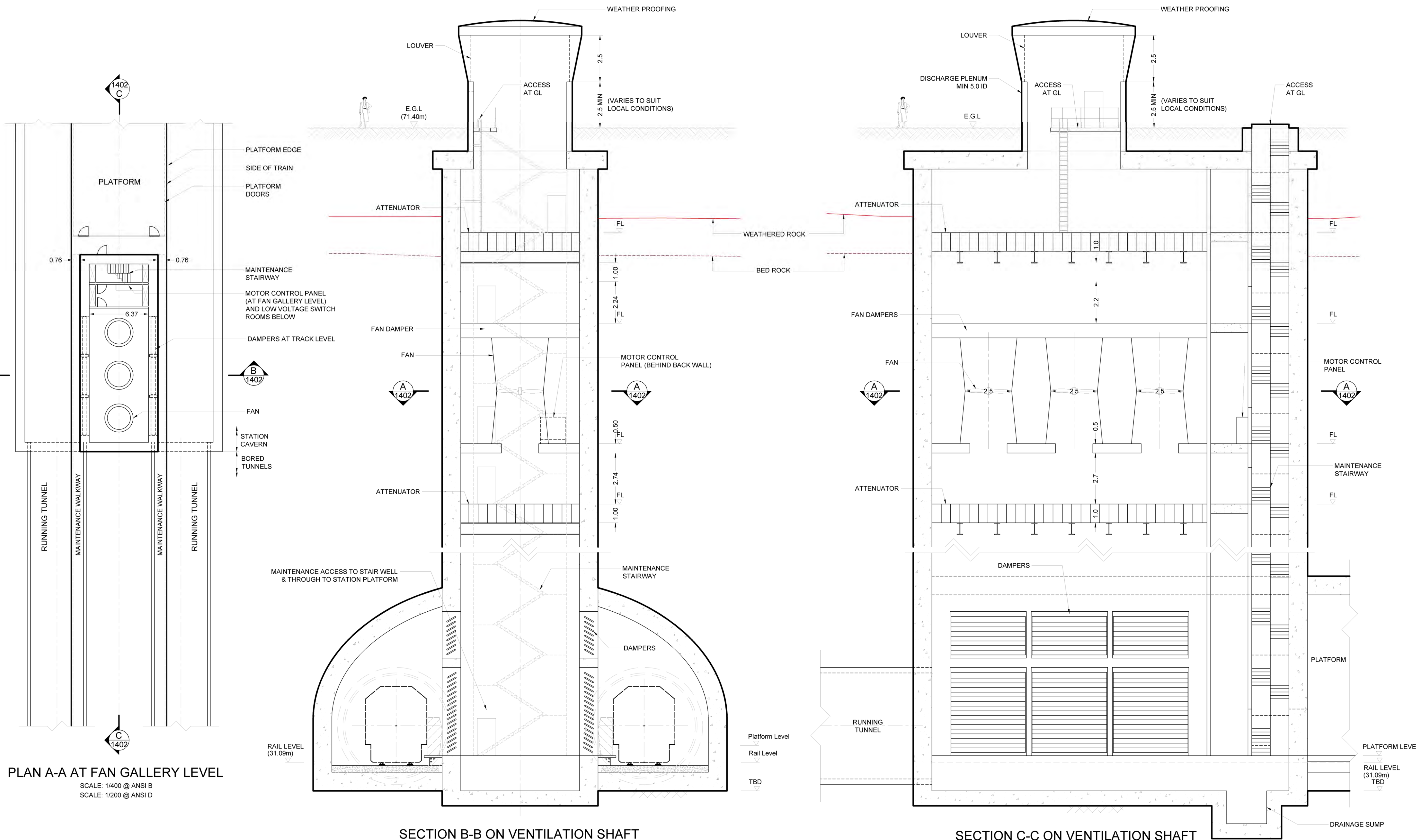


Section: Typical On-Line
Ventilation Shaft
TTDOTT-HGL-00-XX-DR-01402

Revision: 01					Sheet: 9 - 71	
01	MGD	JMB	JMB	02/12/09	FIRST ISSUE	
Rev	By	Chkd	Aprvd	Date	Description	

Notes:

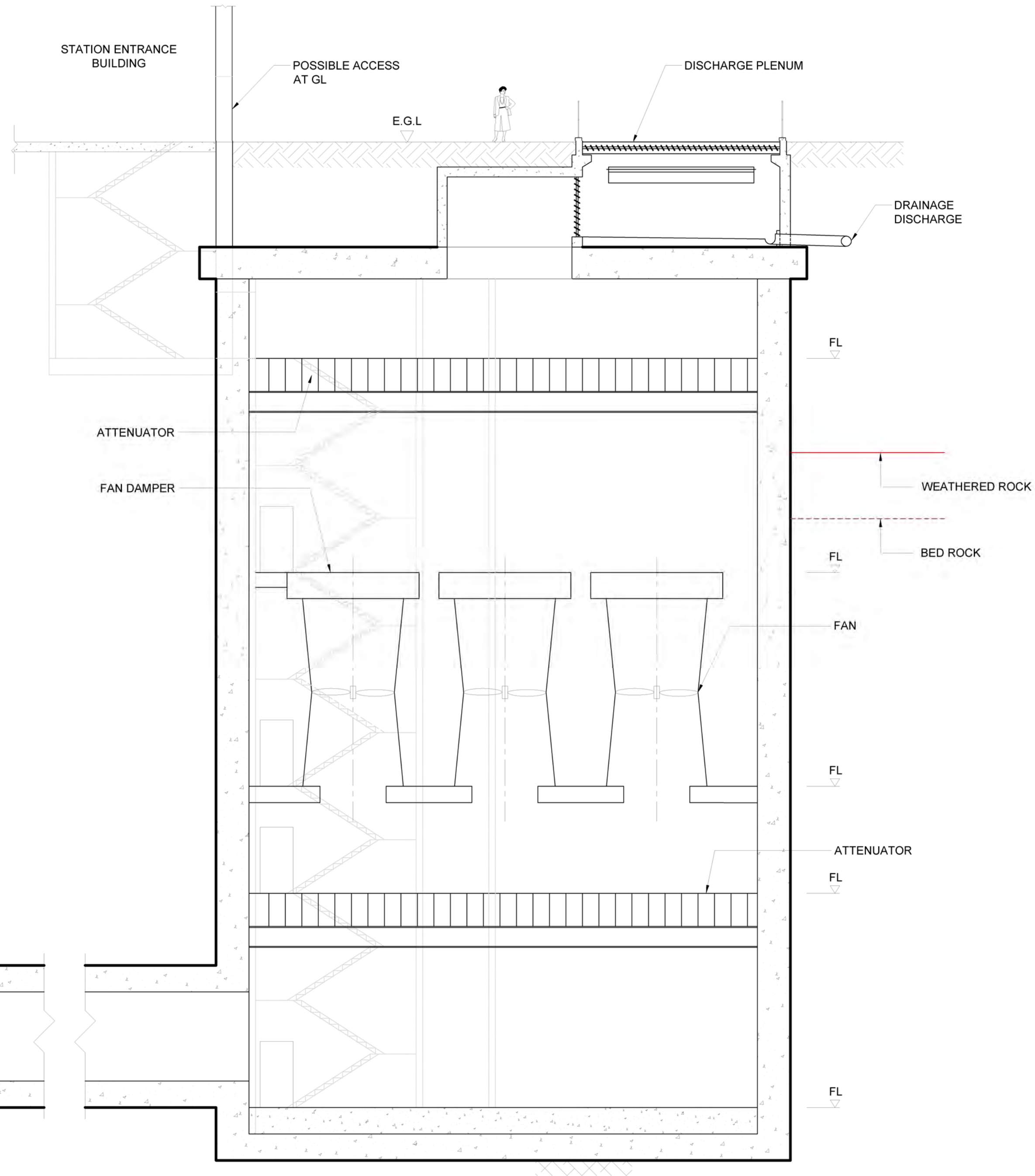
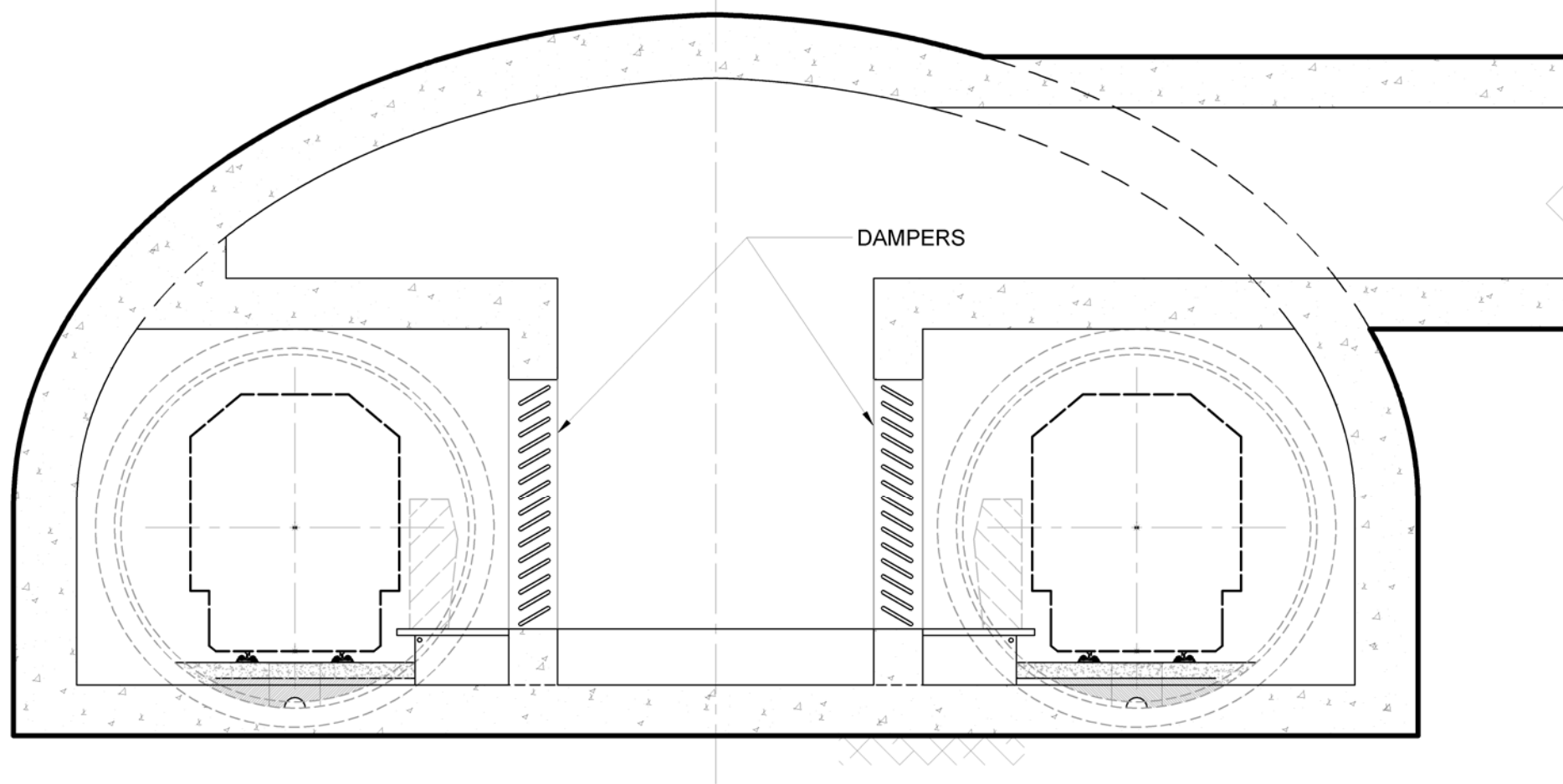
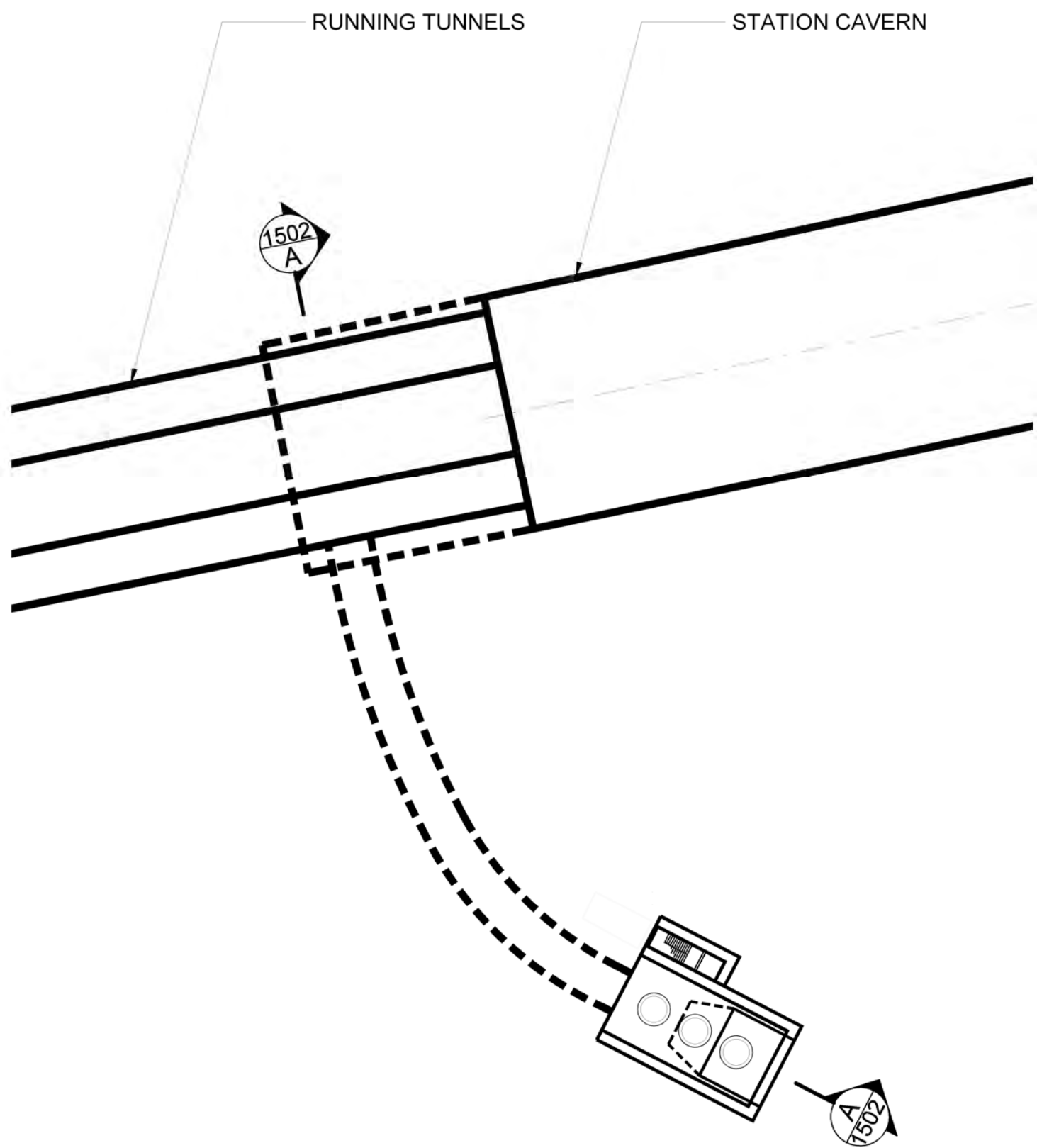
- The information shown on this drawing is preliminary, for outline planning purposes only. The tunnels, stations and shaft details and outlines are subject to further geotechnical and other infrastructure investigations and to ongoing railway alignment development.
- Information shown is based on City of Edmonton LRT Design Guidelines (Feb. 2005) and NFPA 130 2007.
- All dimensions are in metres unless shown otherwise.
- Geological information from alignment profile by Delcan (dated: June '09)



Plot Date: December 7, 2009

Last Saved: December 3, 2009

File Name: C:\documents And Settings\delcan\pww_dott\ms0009\TTDOTT-HGL-00-XX-DR-C-01502-01.dwg



Key Plan:

- Notes:
1. The information shown on this drawing is preliminary, for outline planning purposes only. The tunnels, stations and shaft details and outlines are subject to further geotechnical and other infrastructure investigations and to ongoing railway alignment development.
 2. Information shown is based on City of Edmonton LRT Design Guidelines (Feb. 2005) and NFPA 130 2007.
 3. All dimensions are in metres unless shown otherwise.
 4. Geological information from alignment profile by Delcan (dated: June '09)

Downtown Ottawa Transit Tunnel
Tunney's Pasture to Blair via a Downtown LRT Tunnel

0m 5 10 15
Scale 1:200 @ ANSI B Scale 1:100 @ ANSI D

0m 2 4 6 8
Scale 1:100 @ ANSI B Scale 1:50 @ ANSI D

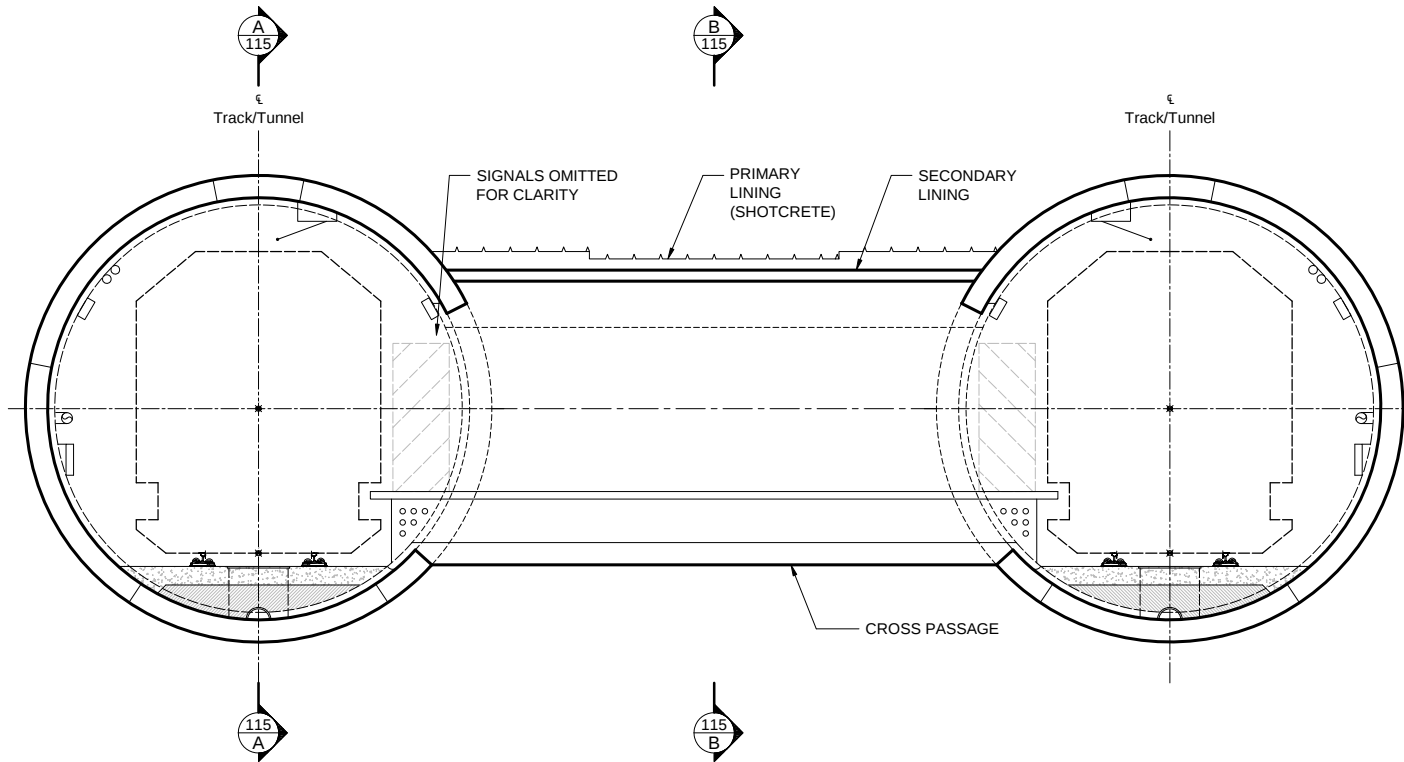


Section:						Typical Off-Line Ventilation Shaft	
						TTDOTT-HGL-00-XX-DR-01502	
						Revision:	01
						Sheet:	9-72
01	MGD	JMB	JMB	02/12/09	FIRST ISSUE		
Rev	By	Chkd	Aprvd	Date	Description		

Pld Date: October 12, 2009

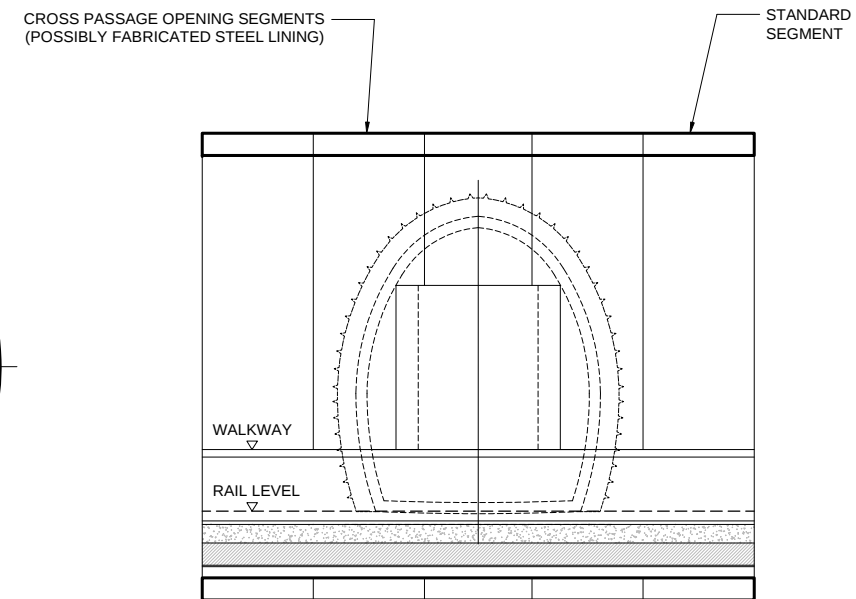
Last Saved: October 12, 2009

File Name: C:\Documents And Settings\jvalmipw\desktop\0093\TTDOTT-HGL-00-XX-DR-C-001\15-01-01.dwg



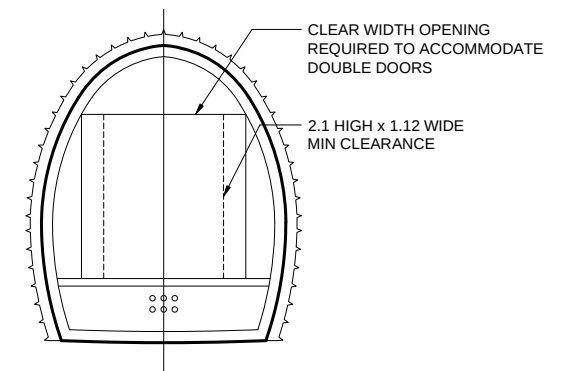
SECTION ON RUNNING TUNNEL

Scale 1:50 @ ANSI D
Scale 1:100 @ ANSI B



SECTION A-A

Scale 1:50 @ ANSI D
Scale 1:100 @ ANSI B



SECTION B-B

Scale 1:50 @ ANSI D
Scale 1:100 @ ANSI B

Key Plan:

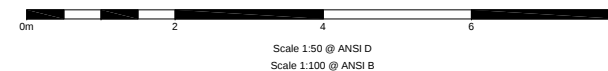
DRAFT FOR
DISCUSSION

Notes:

1. Information shown is based on City of Edmonton LRT Design Guidelines (Feb. 2005) and NFPA 130 2007.
2. All dimensions are in metres unless shown otherwise.

Downtown Ottawa Transit Tunnel

Tunney's Pasture to Blair Via Downtown LRT Tunnel



Section: Typical Cross Sections Cross Passage						Revision:
TTDOTT-HGL-00-XX-DR-00115						01
						Sheet:
						9 - 73
01	JR	JMB	JMB	12/10/09	First Issue	
Rev	By	Chkd	Aprvd	Date	Description	