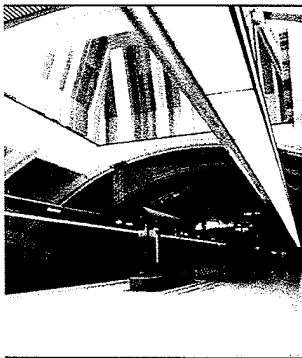


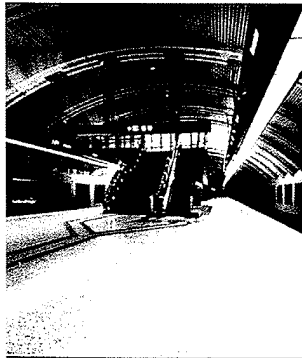
# Richmond/Airport to Vancouver Rapid Transit Project



## Project Definition Phase Contract T1 - Vancouver Segment



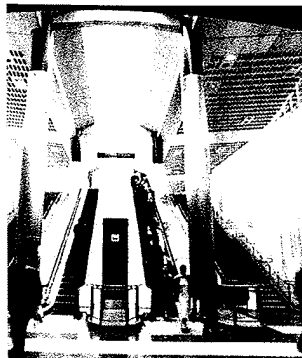
### Technical Stream



## REPORT

July 2002

142577



**Sandwell**



Hatch Mott  
MacDonald



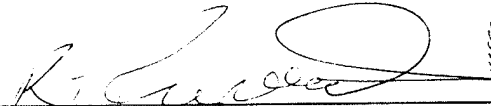
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Vancouver, BC**

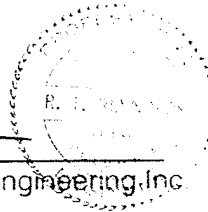
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**Volume I**

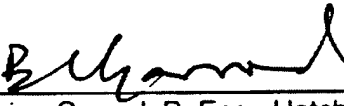
August 2002  
142577

Prepared By:

  
Richard Reynolds, P. Eng., Sandwell Engineering Inc.



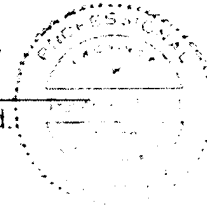
Prepared By:

  
Brian Garrod, P. Eng., Hatch Mott McDonald



Prepared By:

  
Trevor Fitzer, P. Eng., Golder Associates Ltd.



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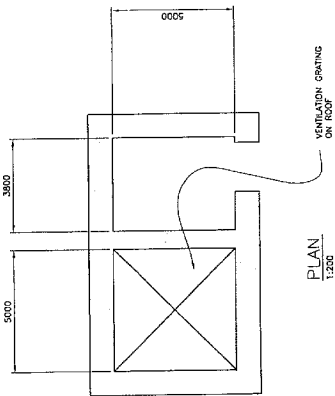
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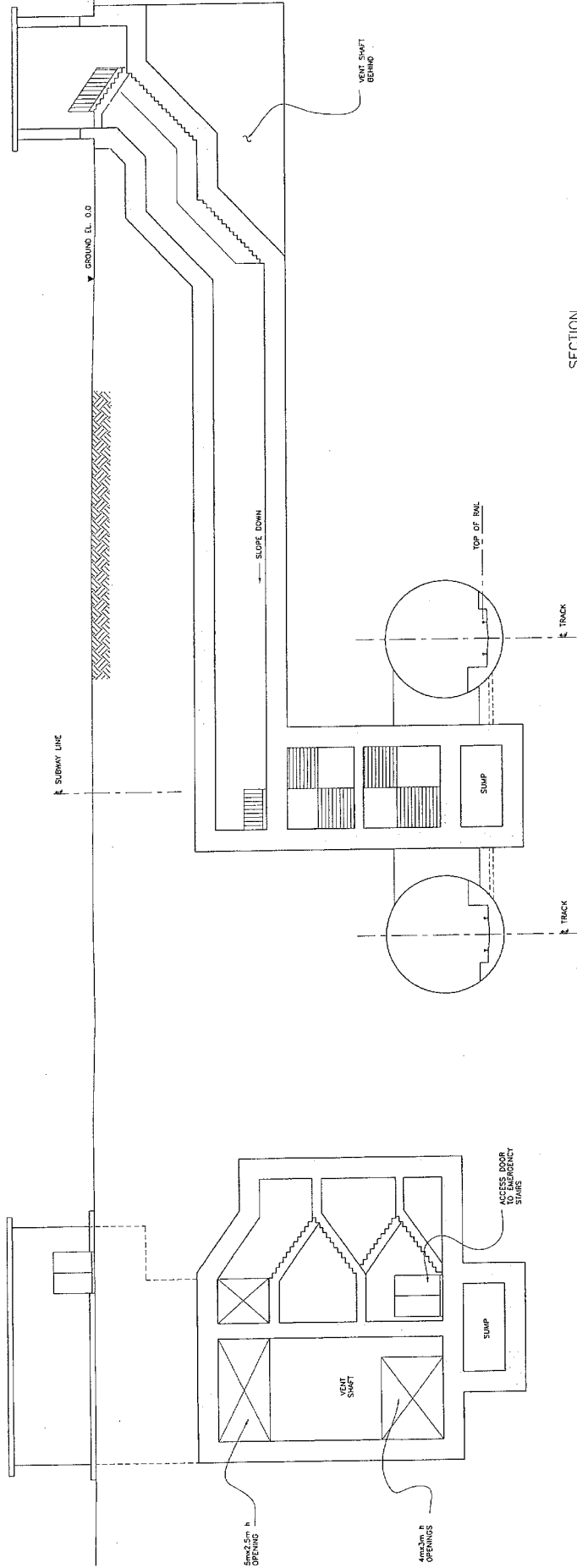
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1:200

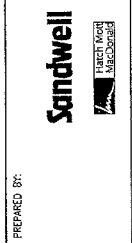


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SECTION  
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PREPARED BY:  
**Richmond/Airport/Vancouver  
Rapid Transit**



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CONTRACT: T-1  
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BAR SCALES):  
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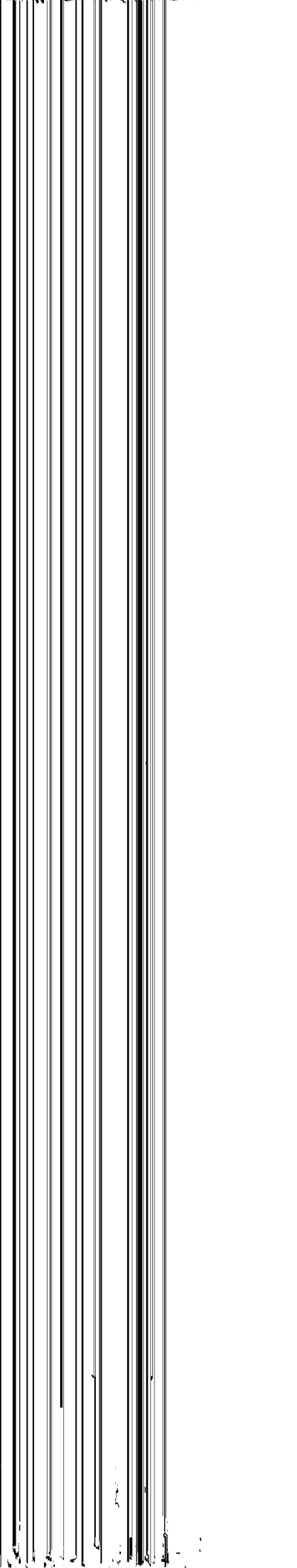
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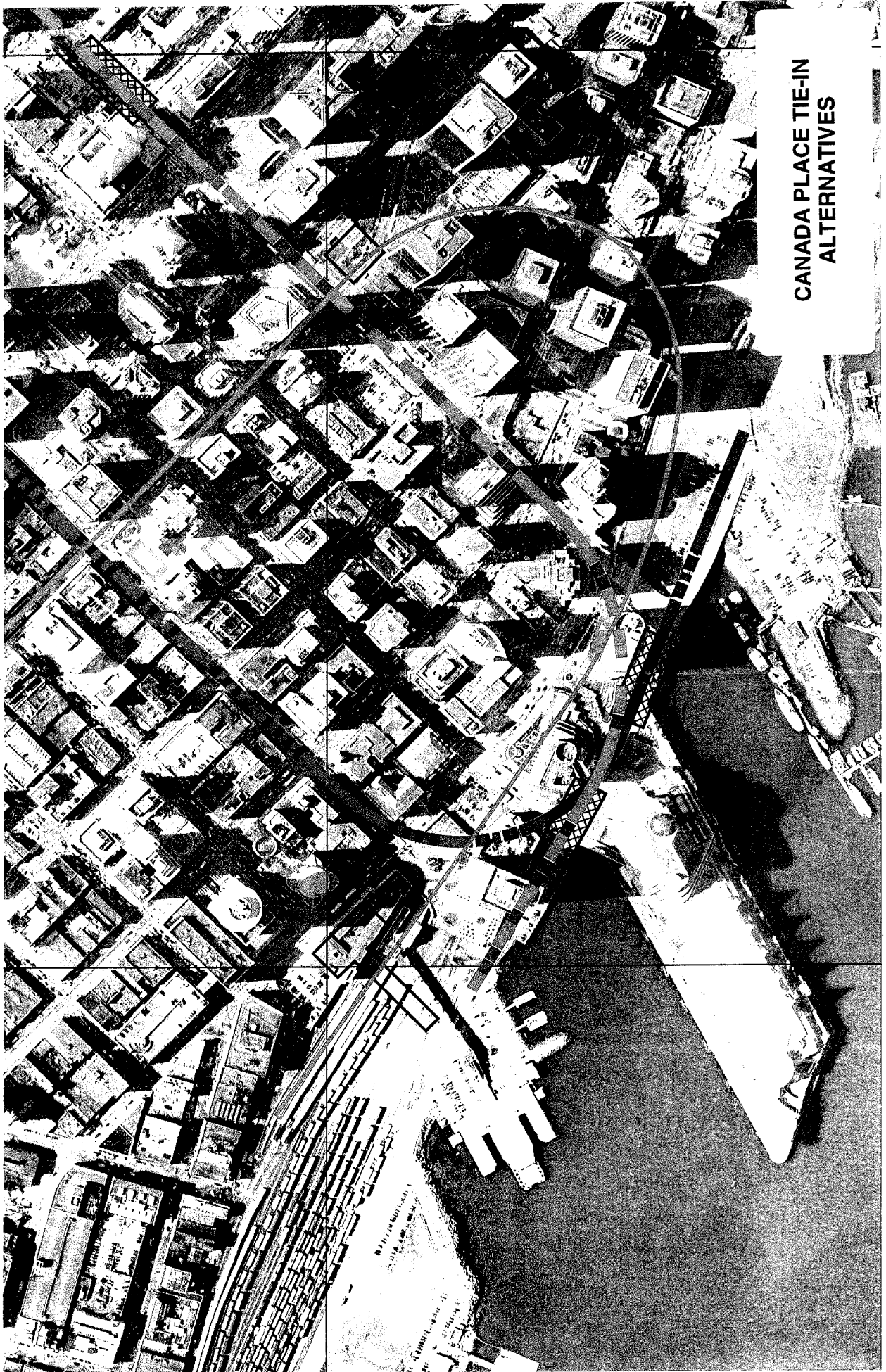


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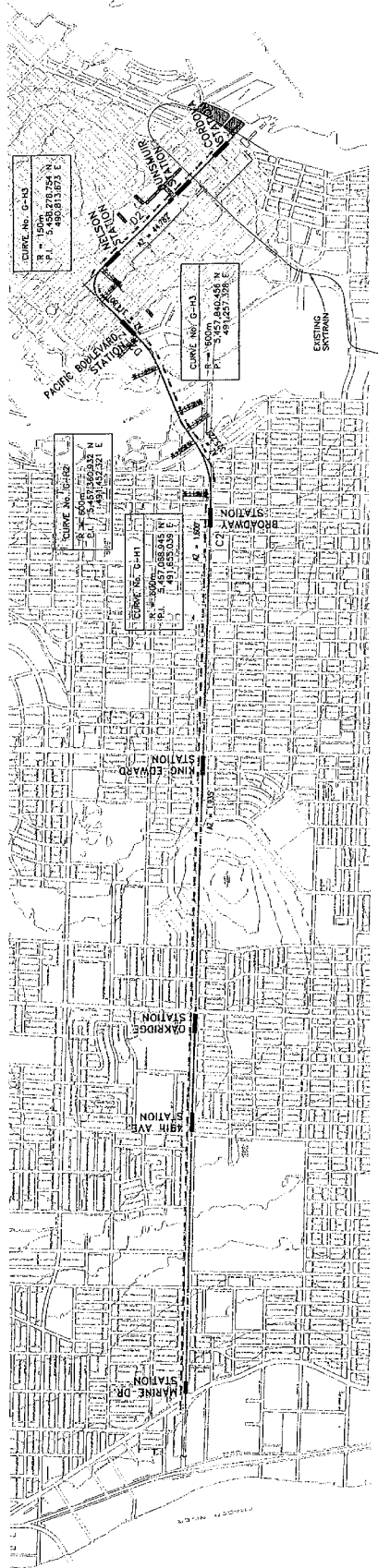


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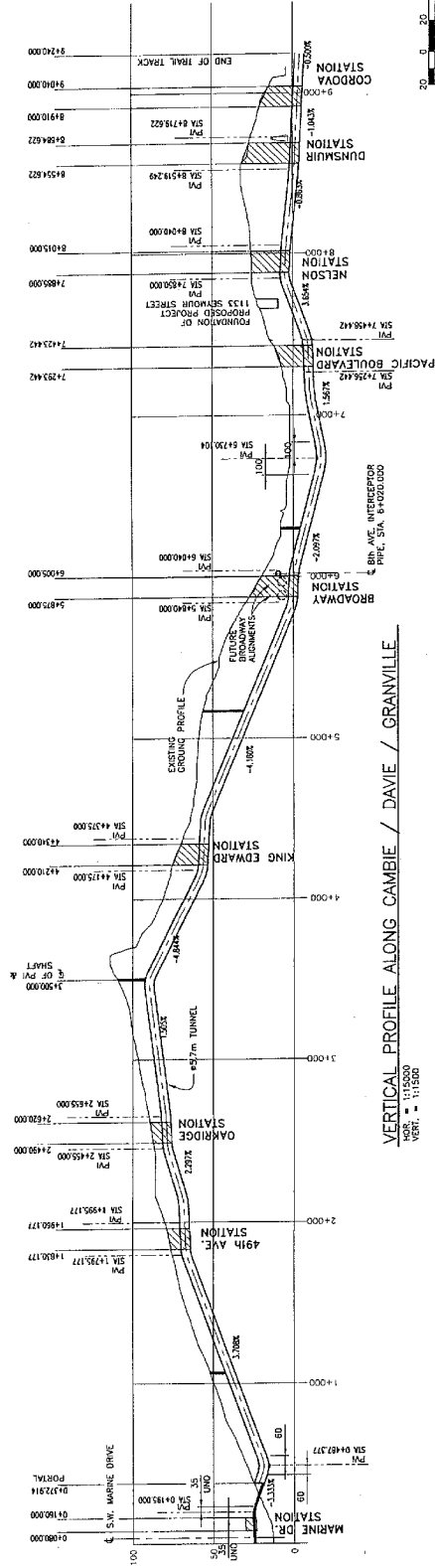




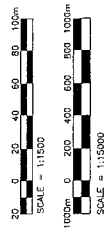
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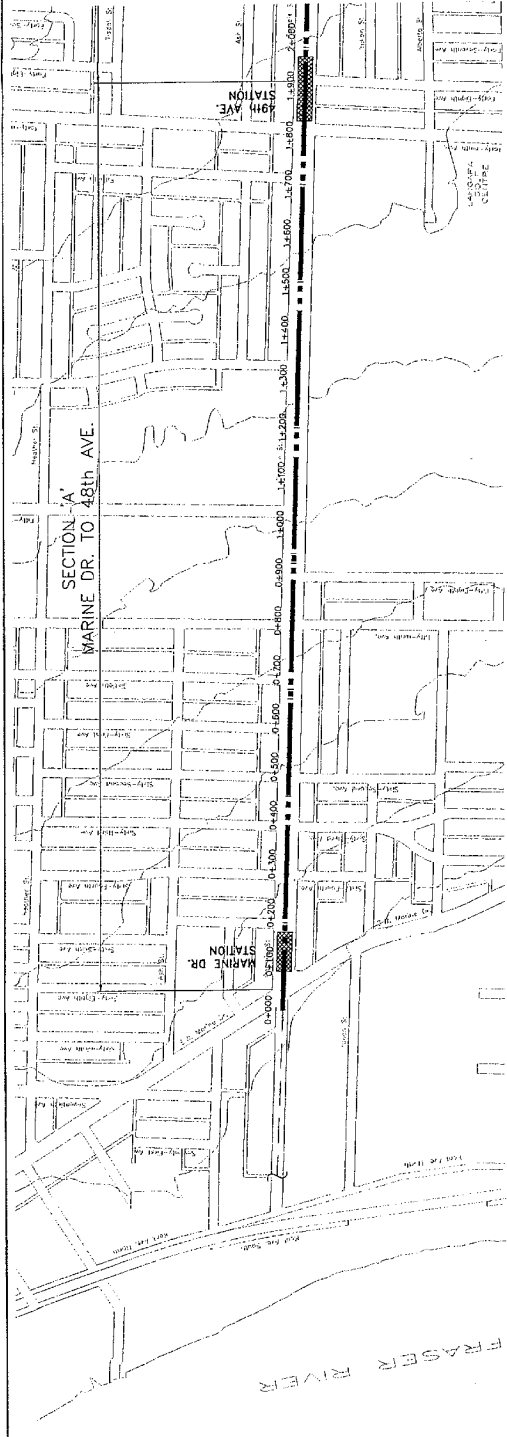
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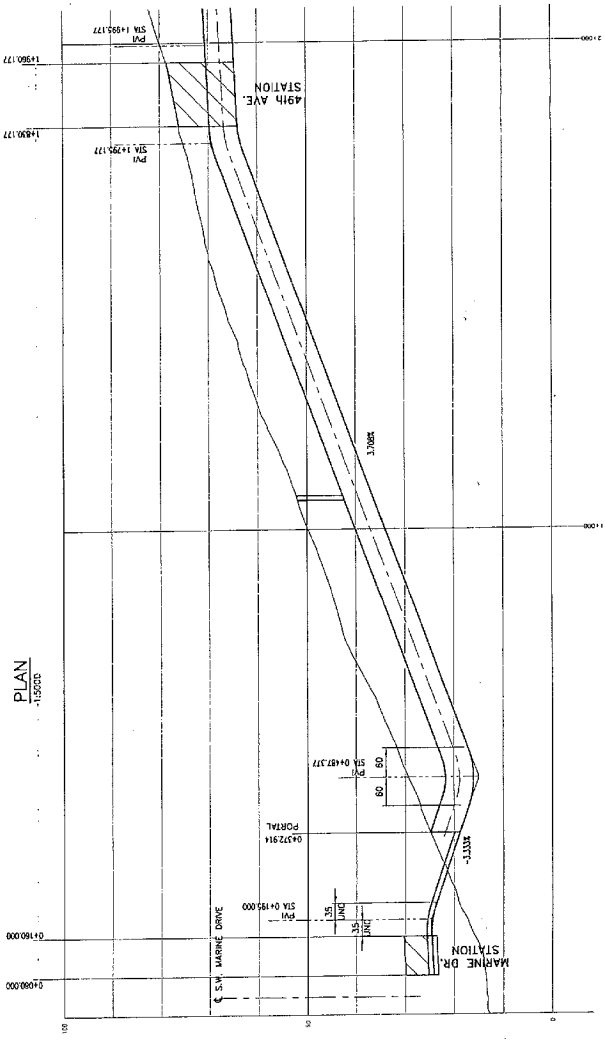
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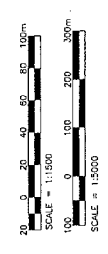
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PLAN  
SCALE = 1:5000



VERTICAL PROFILE ALONG CAMBIE ST.  
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PREPARED BY:  
**Richmond/Airport/Vancouver  
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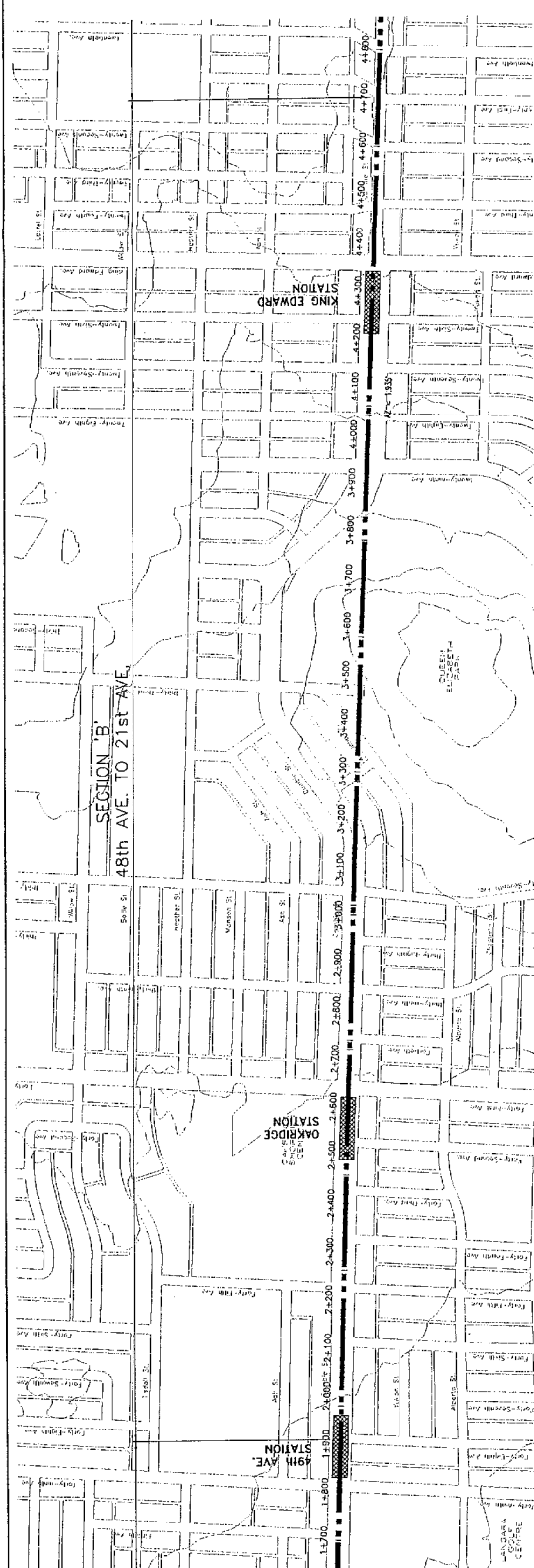


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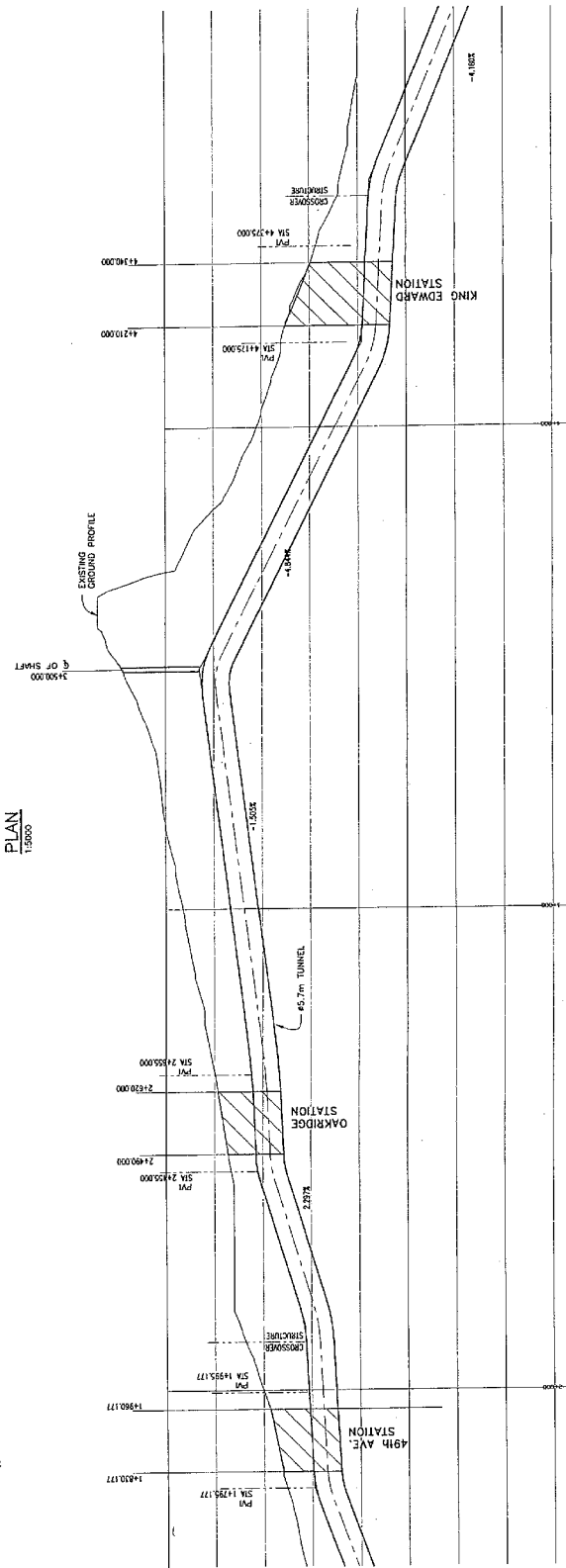
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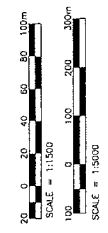
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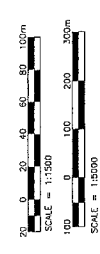
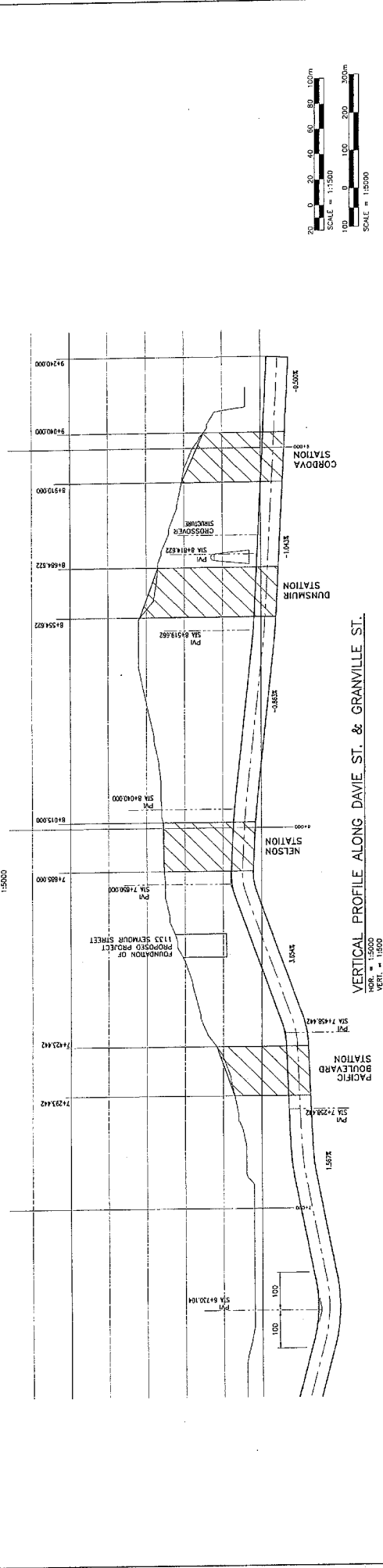
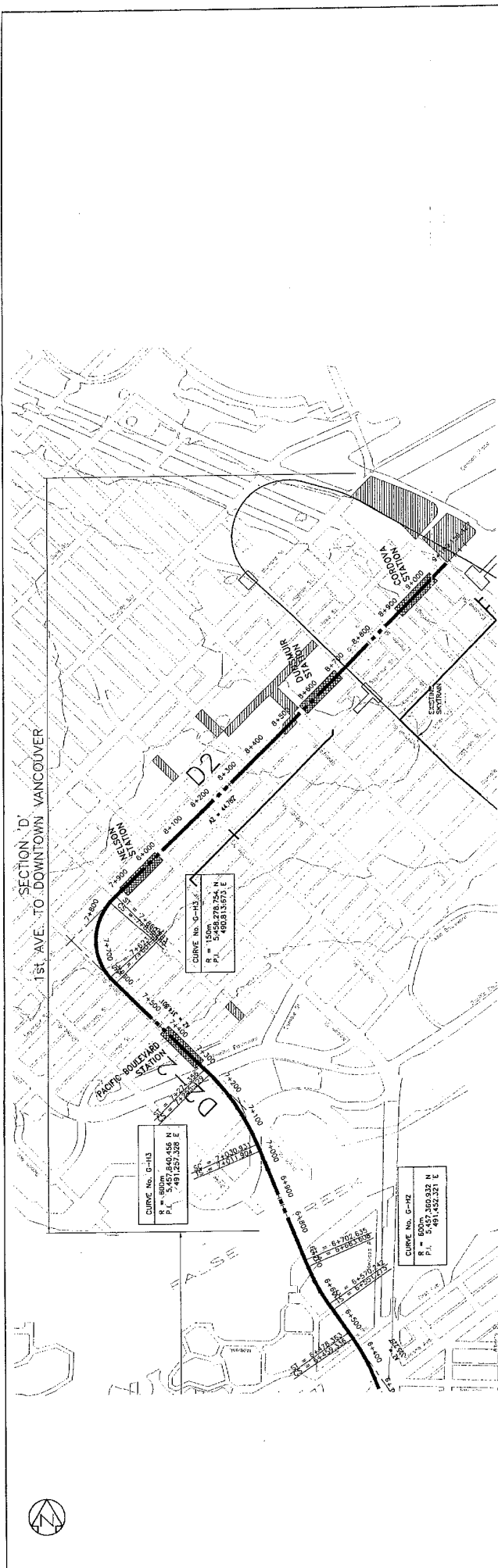


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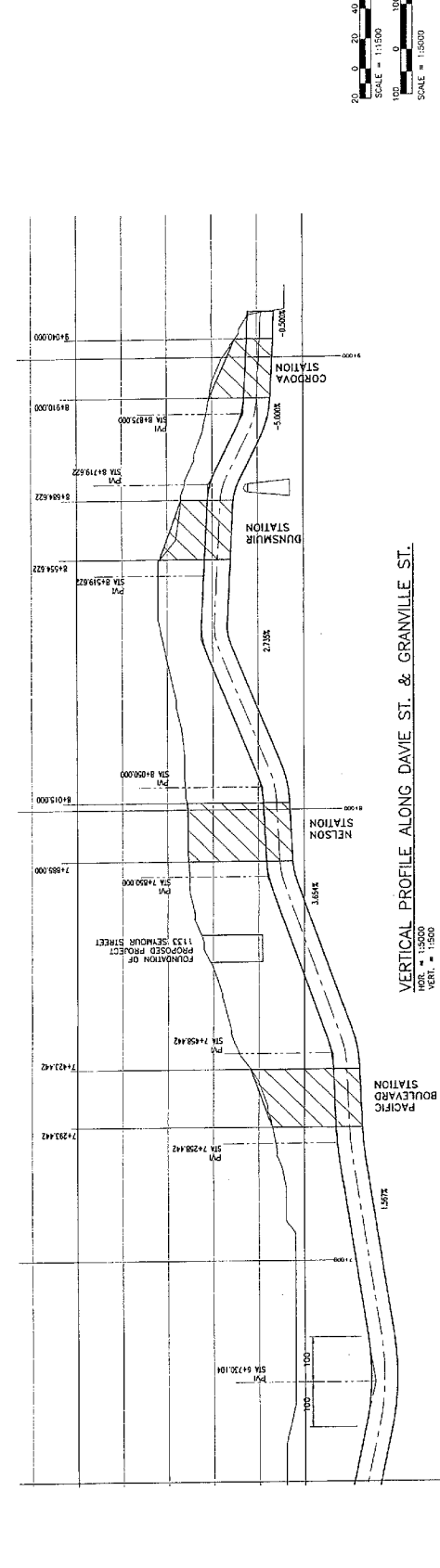
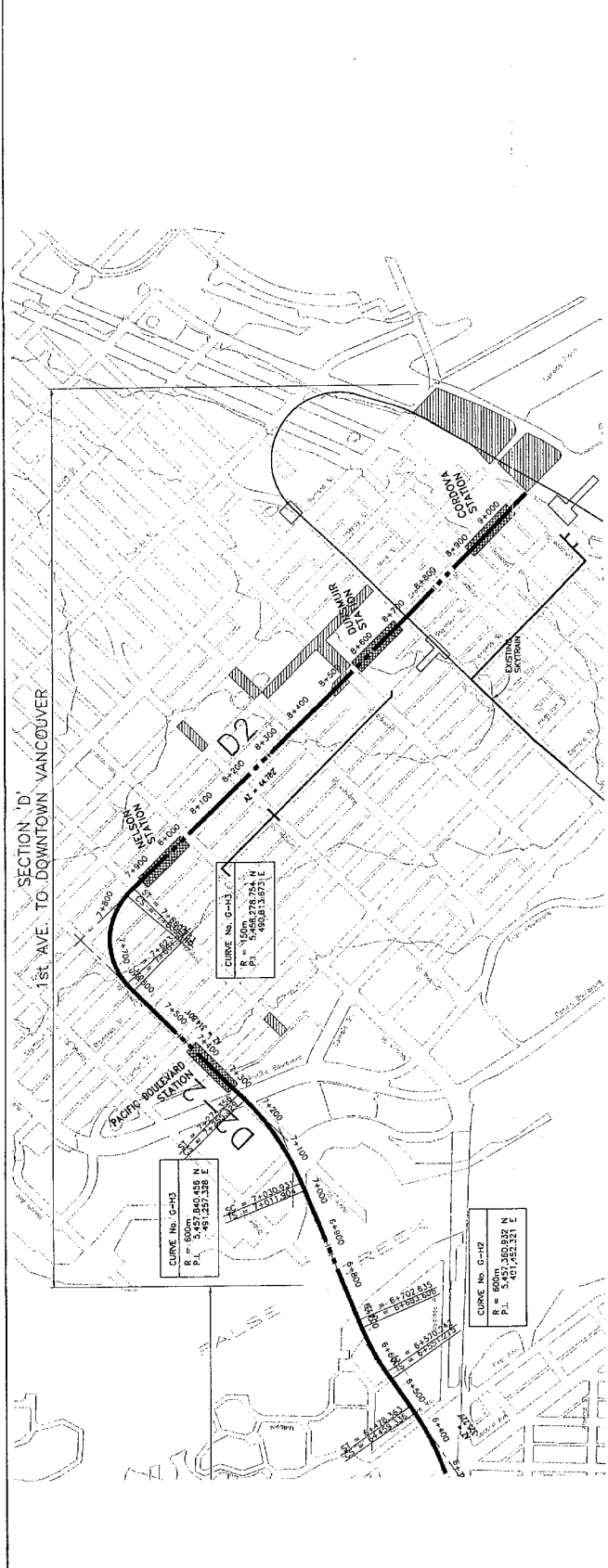


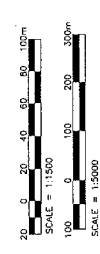
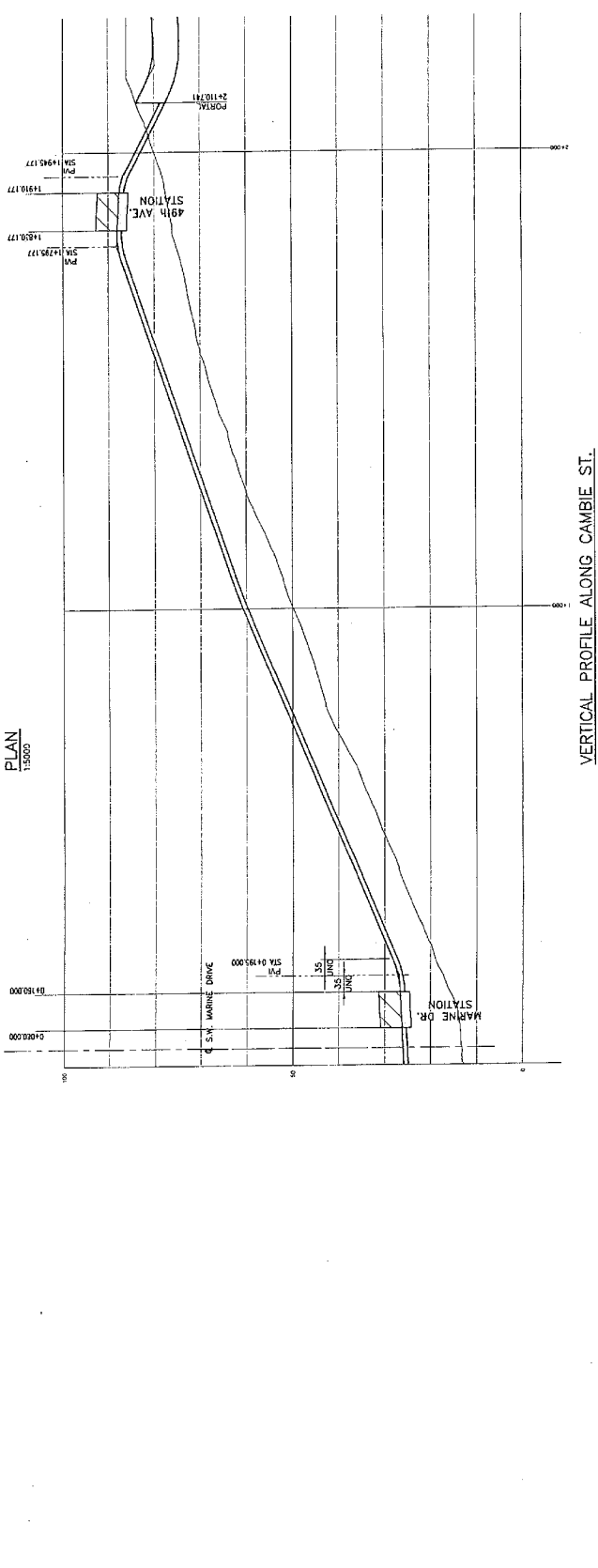
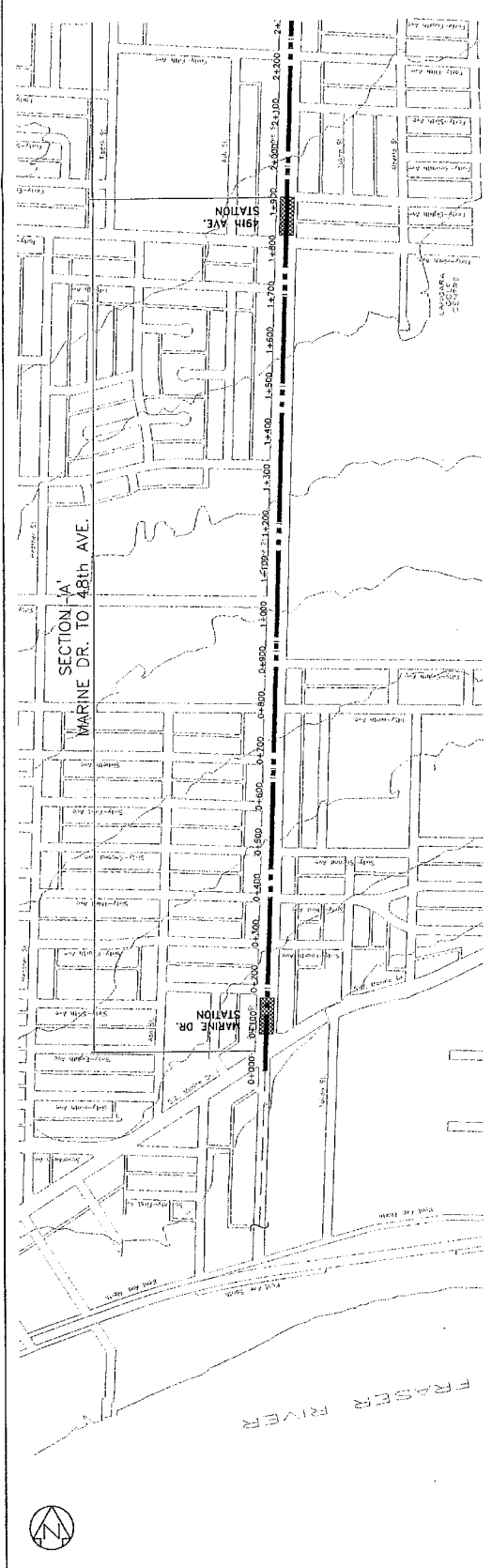
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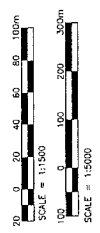
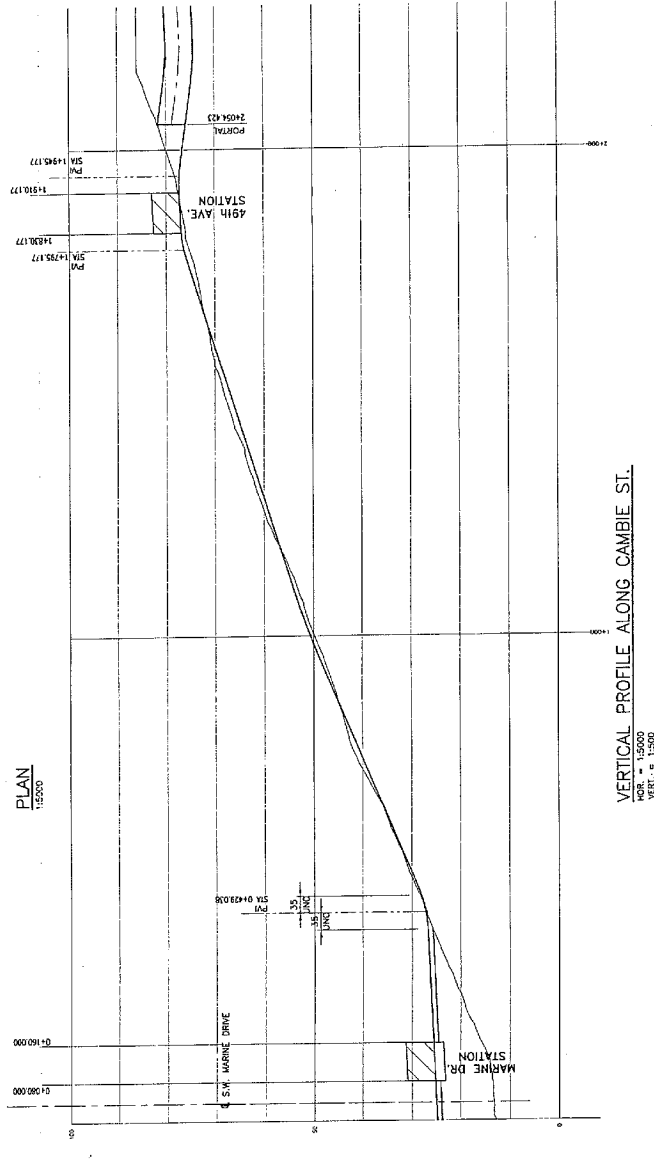
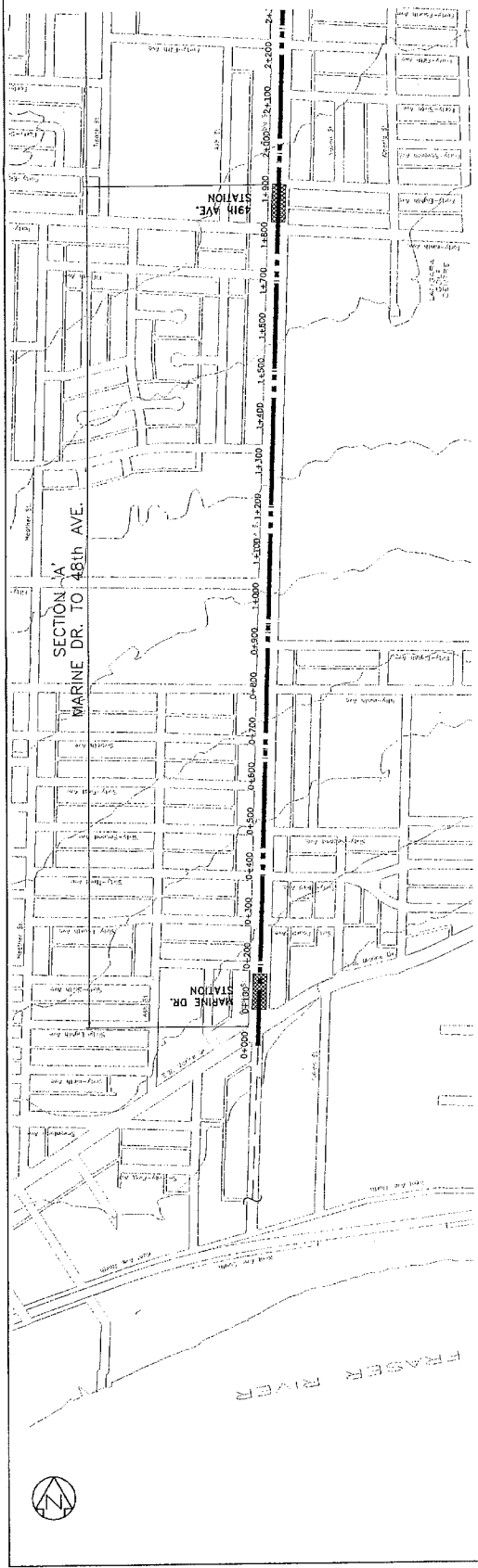


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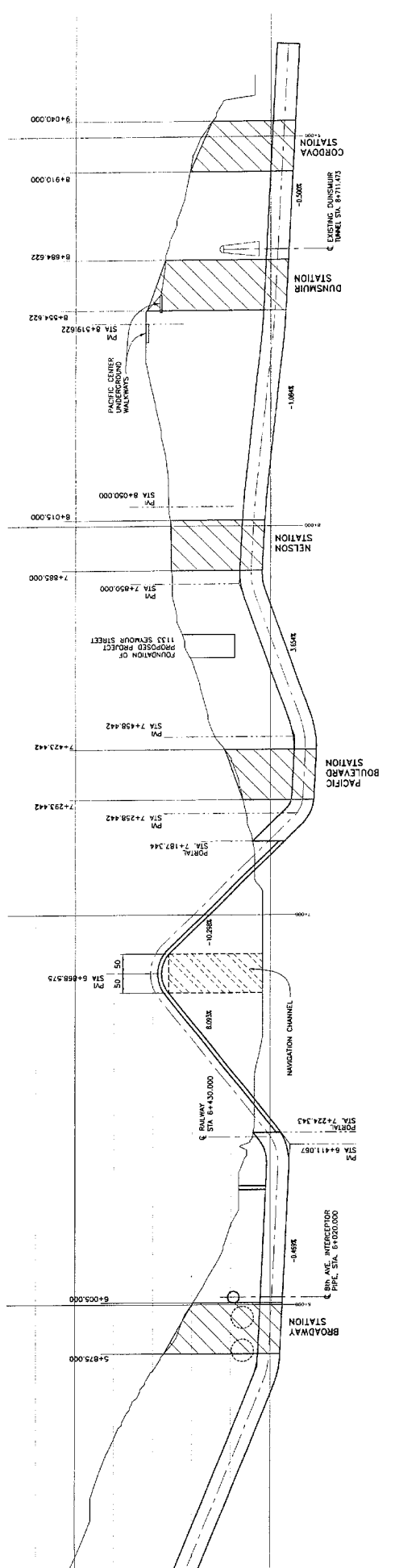




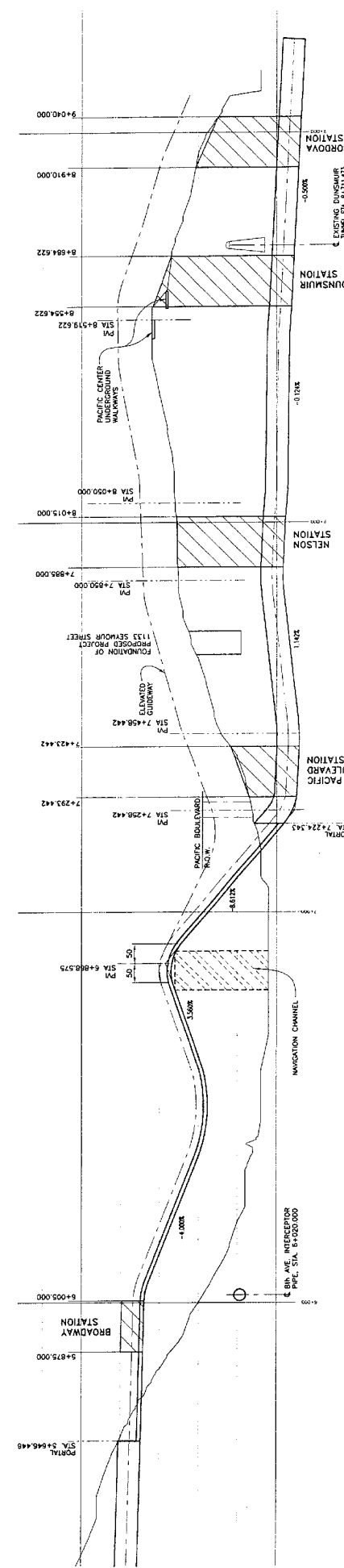
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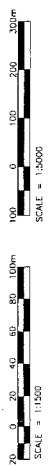
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SANDWELL SEARCH, MAPS & ENGINEERING									
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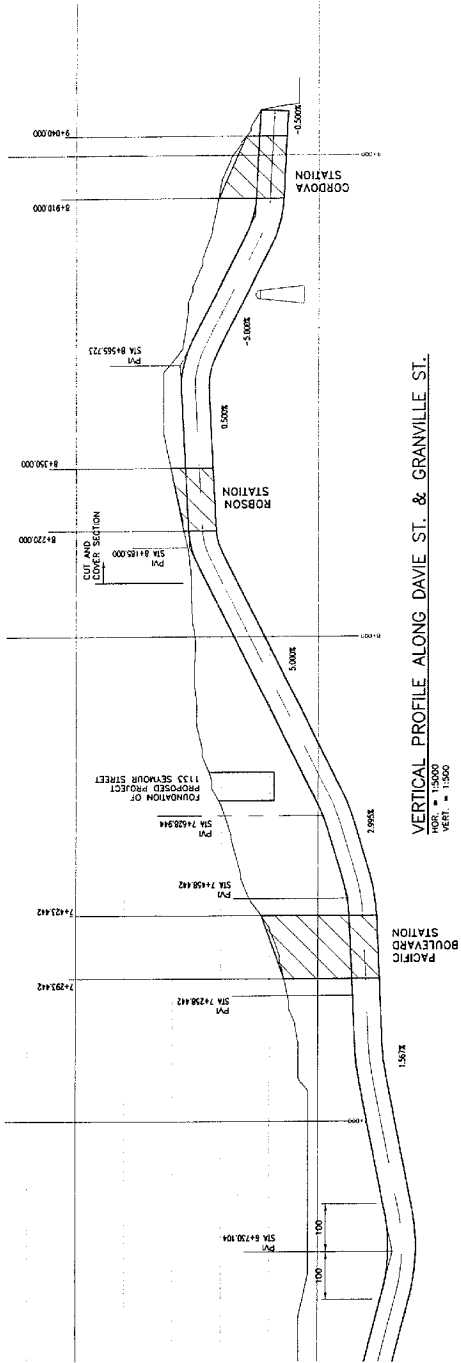
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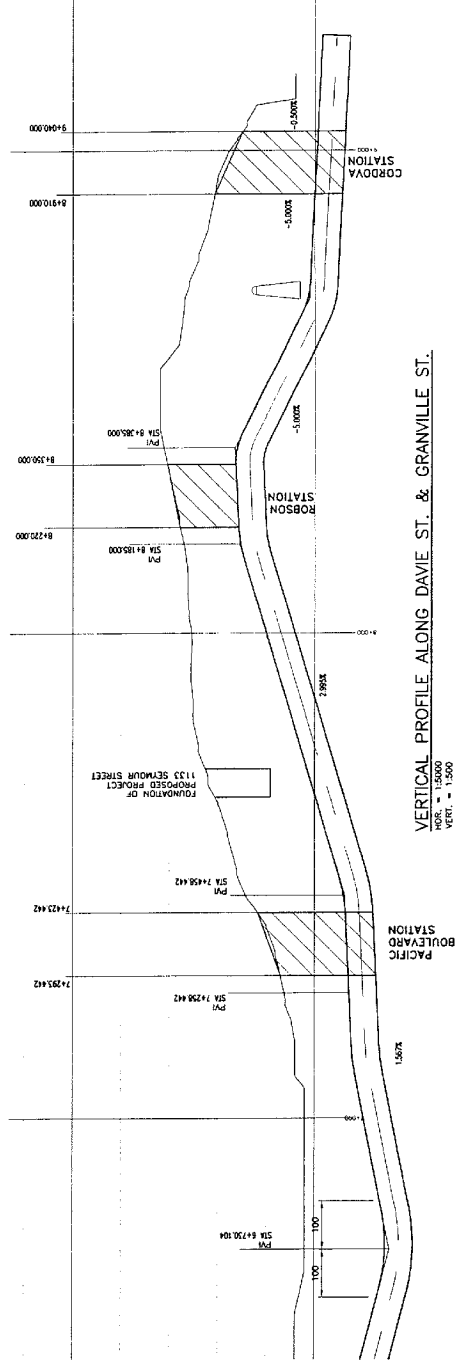


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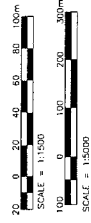
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VERTICAL PROFILE ALONG DAVIE ST. & GRANVILLE ST.

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DESIGNED	DATE
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CHECKED	DATE
APPROVED	DATE

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Richmond/Airport/Vancouver  
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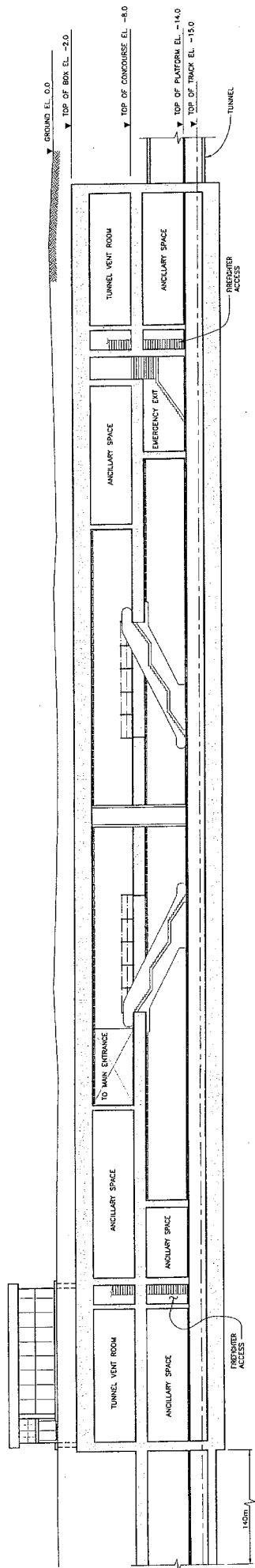


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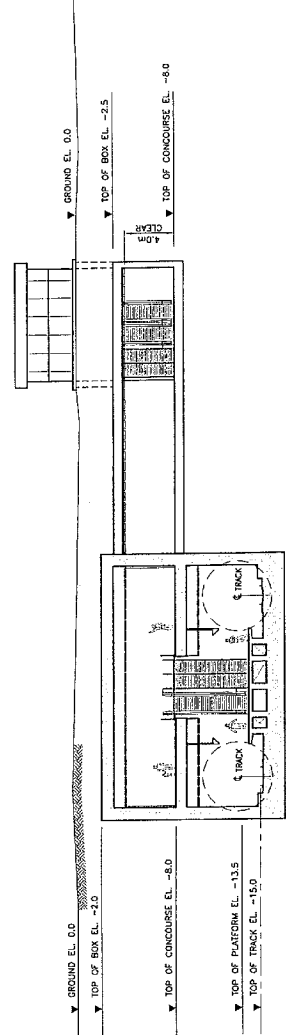
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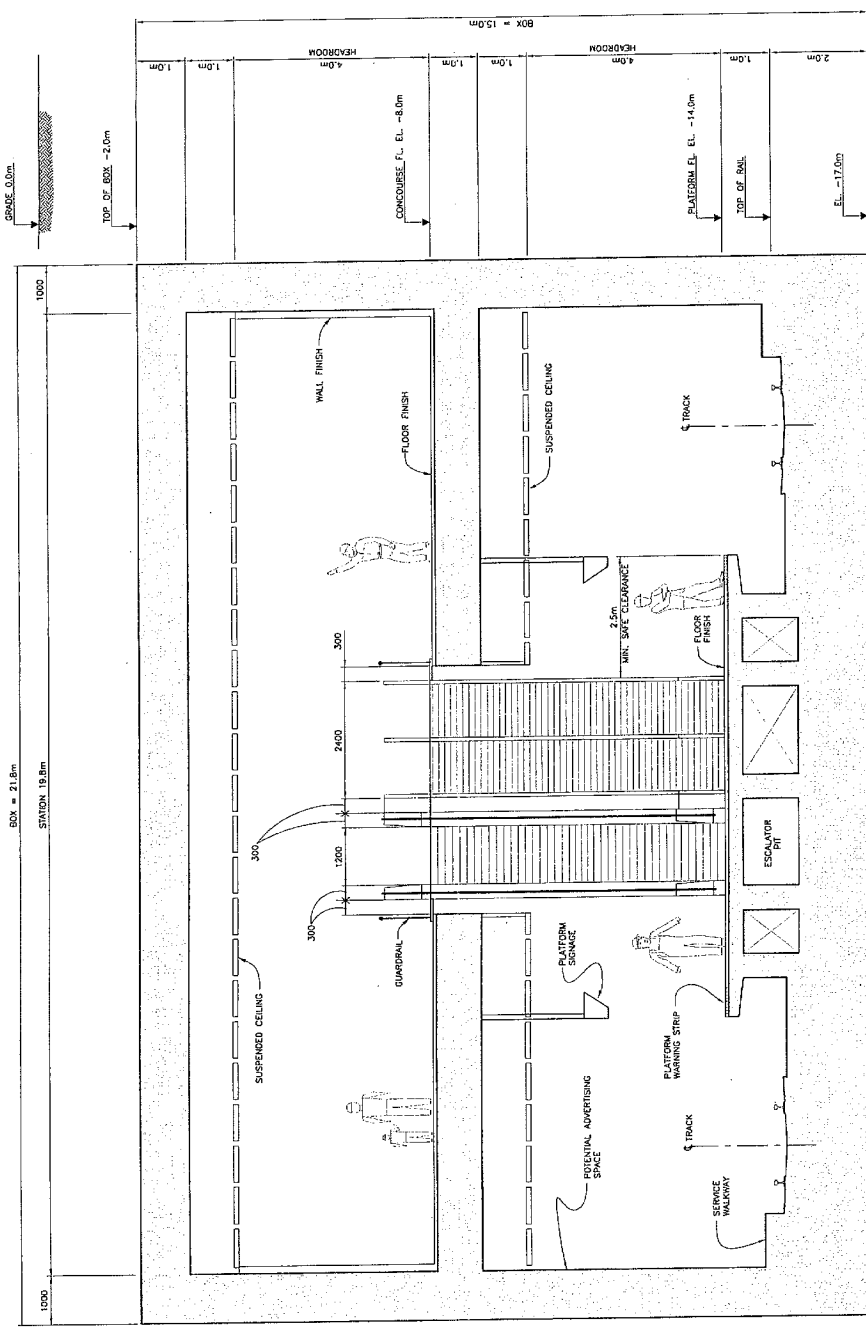


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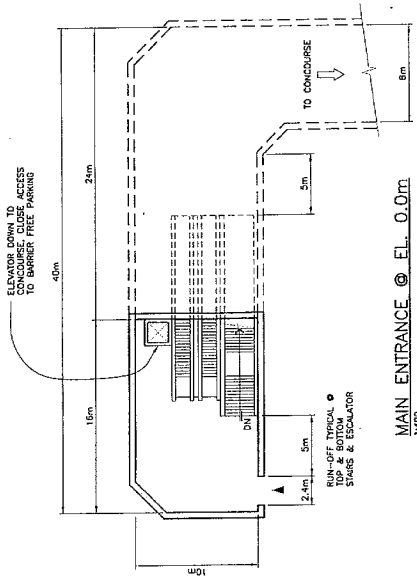
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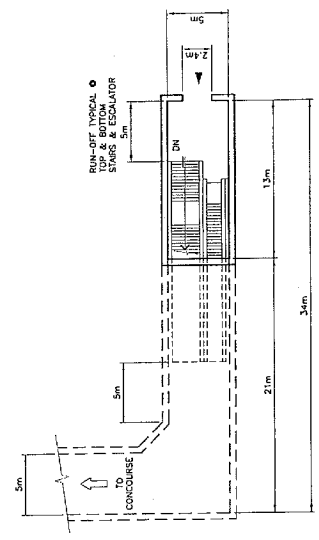


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SECONDARY ENTRANCE @ EL. 0.0m  
1:400

DESIGNED	DATE	NO.	DATE	DESCRIPTION	BY	DATE	DESCRIPTION	REV

<p>PREPARED BY:</p> <p><b>Richmond/Airport/Vancouver Rapid Transit</b></p>	<p><b>Sandwell</b> PARTIAL MAINT EXHIBITION</p>	<p>SCALE</p>	<p>BAR SCALES:</p>	<p>RAMP -- VANCOUVER SEGMENT TYPICAL STATION ENTRANCES</p>
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<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>

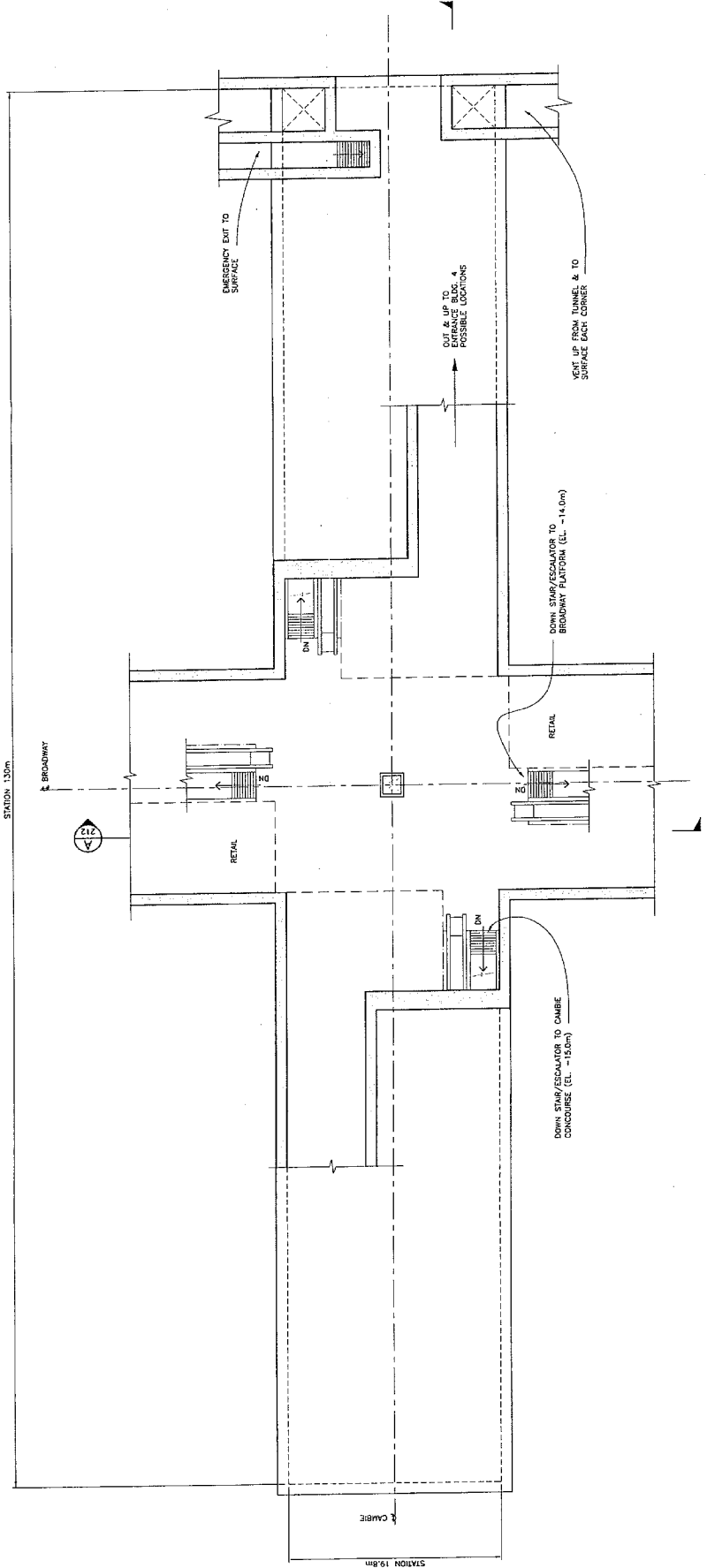
<p>NO.</p>	<p>DATE</p>	<p>DESCRIPTION</p>

<p>SCALE</p>	<p>CONTRACT</p>	<p>DATE</p>	<p>PROJECT NO.</p>

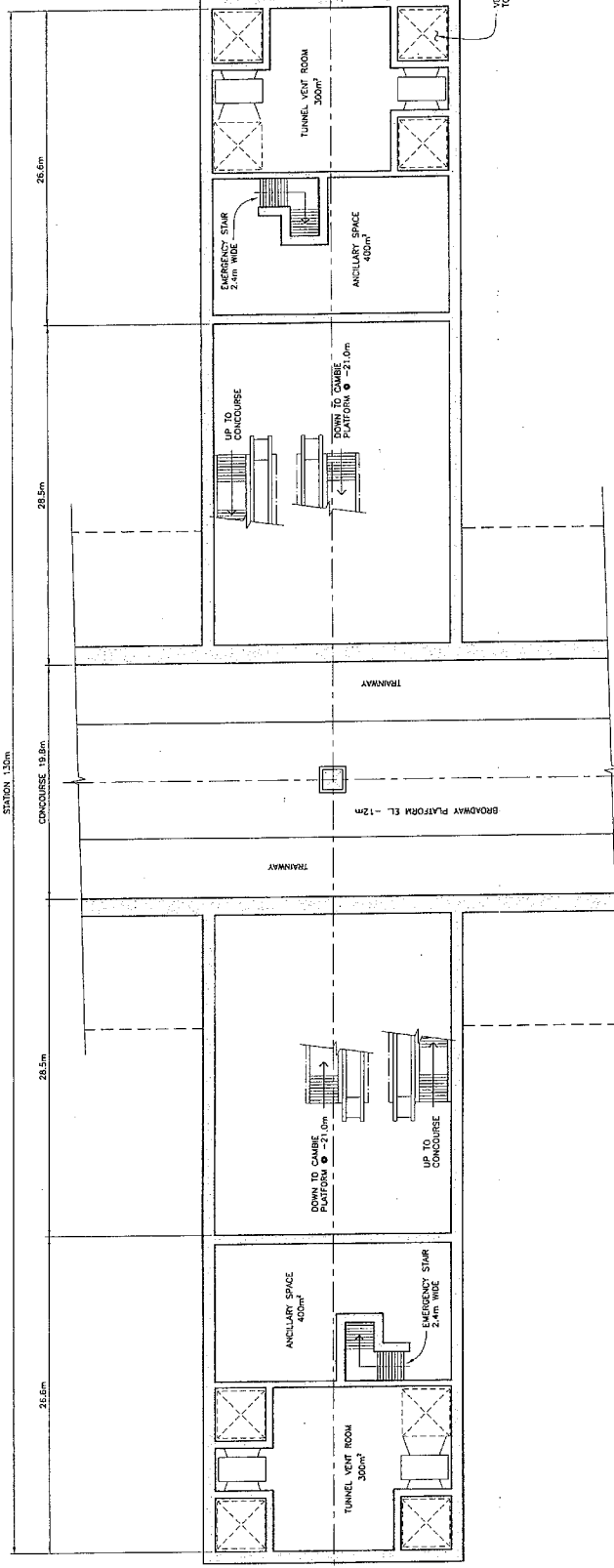
  

SUPersedes PARTS OF THIS NUMBER WITH LETTERS PREVIOUS TO →

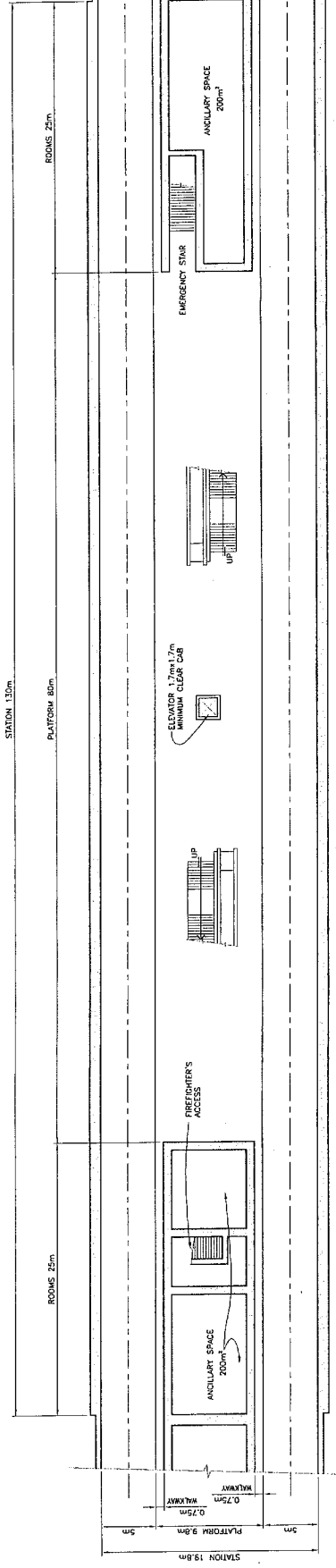


CONCOURSE PLAN @ E.L. -8.0m

DESIGNED	DATE	REFERENCE DRAWING	NO.	DATE	REVISIONS	DATE	BY	REV	
DRAWN	DATE	DESCRIPTION							
CHECKED	DATE								
APPROVED	DATE								
		<b>Richmond/Airport/Vancouver Rapid Transit</b>		PREPARED BY:		SOA		BAR SCALE(S):	
STATION 13.0m		BROADWAY		STATION 19.8m		CONTOUR 11		DRAWING 11-6-210	
EMERGENCY EXIT TO SURFACE		OUT & UP TO ENTRANCE BLOC. 4 POSSIBLE LOCATIONS		GET UP FROM PLATFORM & TO SURFACE EACH CORNER		DOWN STAIR/ESCALATOR TO CAMBIE CONCOURSE (E.L. -15.0m)		DOWN STAIR/ESCALATOR TO BROADWAY PLATFORM (E.L. -14.0m)	
RETAIL		RETAIL		RETAIL		RETAIL		RETAIL	
STATION 19.8m		CAMBIE		BROADWAY		STATION 13.0m		VANCOUVER SEGMENT BROADWAY STATION PLANS	
SUPERSEDES PARTS OF THIS NUMBER WITH LETTERS PREVIOUS TO →		SCALE DATE		CONTRACT		DRAWING		11-6-210	



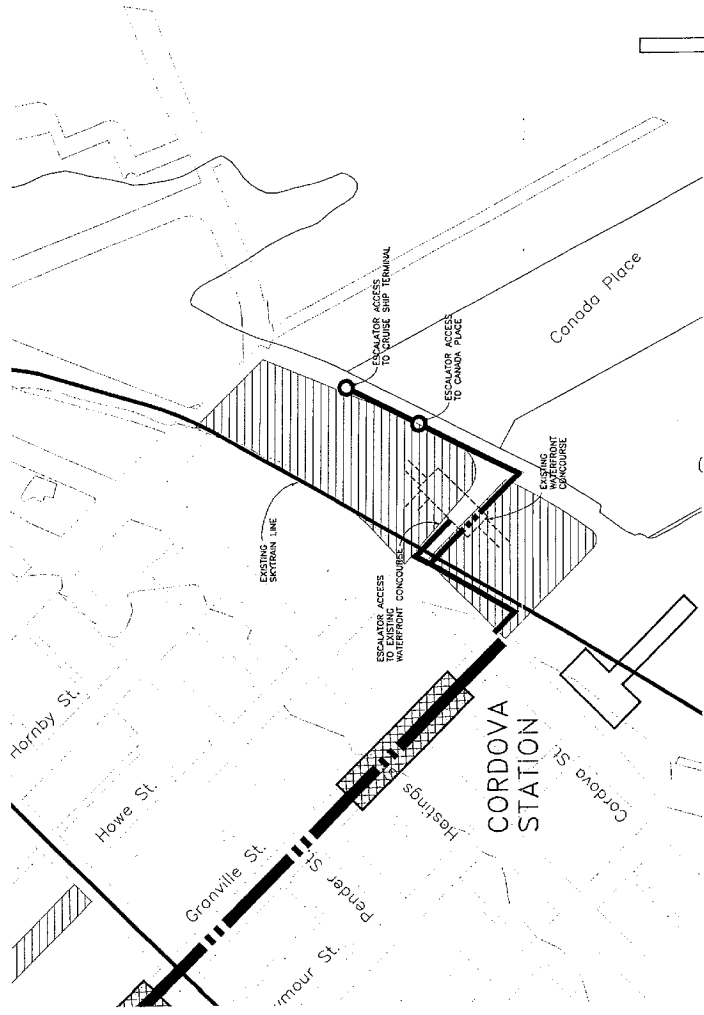
2nd CONCOURSE PLAN @ EL. -15.0m  
1:400



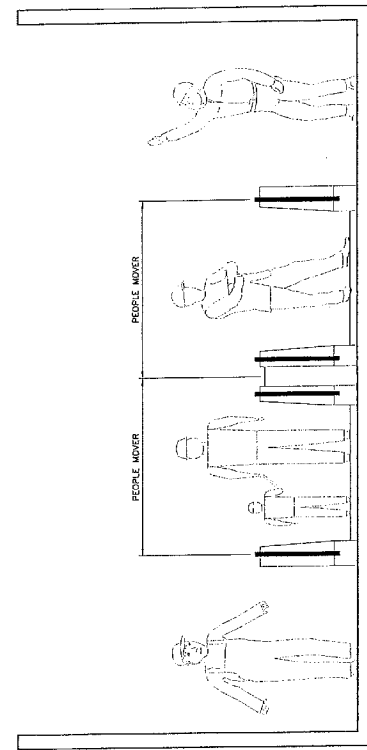
PLATFORM PLAN @ EL. -21.0m  
1:400

DESIGNED	DATE	NO.	REV.	DESCRIPTION	DATE	BY	REV.	DESCRIPTION
DRAWN	DATE							
CHECKED	DATE							
APPROVED	DATE							
<p>PREPARED BY: Richmond/Airport/Vancouver Rapid Transit</p> <p>SCALE(S): 940</p> <p>SOL</p> <p>RAVP - VANCOUVER SEGMENT BROADWAY STATION CAMBIE PLATFORM - PLANS</p> <p>DATE: T1 REVISED: T1 SCALE: T1 DATE: T1</p> <p>PROJECT NO: 11-B-211</p> <p>SUPERCEDS POINTS OF THIS NUMBER WITH LETTERS PREVIOUS TO →</p>								





PLAN  
1:2500



TYPICAL SECTION  
1:25

SHEET NO. _____ DATE _____ DRAWN BY _____ CHECKED BY _____ APPROVED BY _____ DATE _____	REFERENCE DRAWING NO. _____ DATE _____ DESCRIPTION _____	REVISIONS NO. _____ DATE _____ BY _____ DESCRIPTION _____	PREPARED BY: <b>Richmond/Airport/Vancouver Rapid Transit</b>	SANDWELL <small>TRACED FROM MICROFILMS</small>	SEAL	BRG SCALE(S):	RAMP - VANCOUVER SEGMENT PEOPLE MOVER PLAN & SECTION	SCALE DATE DRAWING NO. T1-6-300 SUPERSEDES PRINTS OF THIS NUMBER WITH LETTERS PREVIOUS TO →
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