

## **Appendix B. Heavy Rail - General Arrangement Plans**





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**PRELIMINARY ISSUE**



REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Rilsma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Rilsma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 2 OF 22		REV A
SCALE 1:2000 (A3)	DRAWING No ZB01608-ECC-DG-3002	

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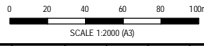
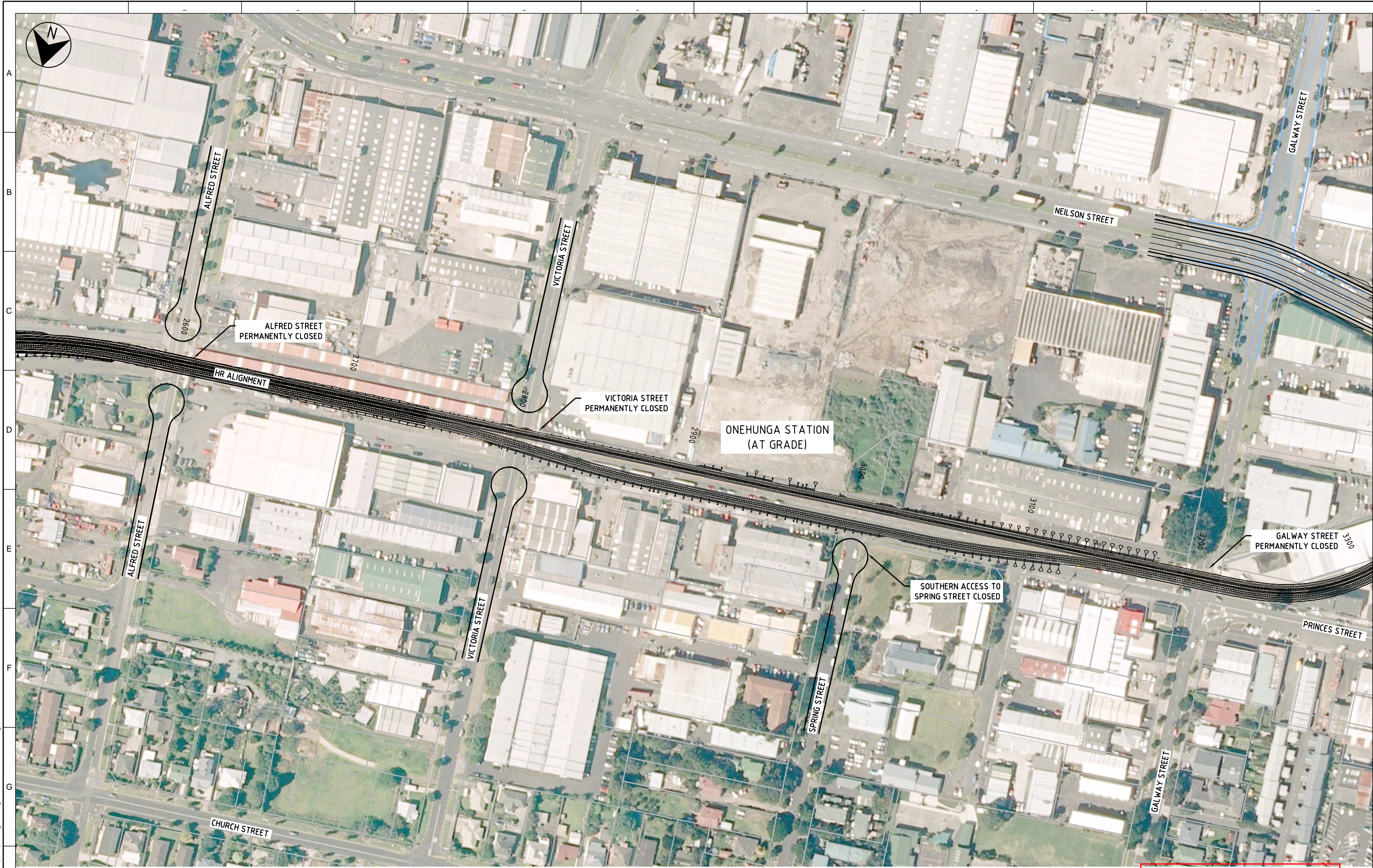
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**PRELIMINARY ISSUE**

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NEILSON ST BRIDGE REMOVED AND ROAD REGRADED UNDER HR

HR CROSSES OVER PROPOSED GALWAY STREET EXTENSION

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**PRELIMINARY ISSUE**

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REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



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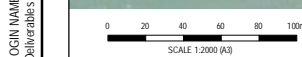
TITLE GENERAL ARRANGEMENT HR OPTION SHEET 07 OF 22	
SCALE 1:2000 (A3)	DRAWING No ZB01608-ECC-DG-3007
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PRELIMINARY ISSUE



REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

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CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Riisma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Riisma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 08 OF 22		SCALE 1:2000 (A3)	DRAWING No ZB01608-ECC-DG-3008	REV A
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**PRELIMINARY ISSUE**



REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Rilsma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Rilsma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 09 OF 22		SCALE 1:2000 (A3)	DRAWING No. ZB01608-ECC-DG-3009	REV A
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MANGERE BRIDGE STATION  
(ELEVATED)

PRELIMINARY ISSUE



REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Rilsma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Rilsma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 10 OF 22		REV A
SCALE 1:2000 (A3)	DRAWING No ZB01608-ECC-DG-3010	

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**PRELIMINARY ISSUE**

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REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Riisma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Riisma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 11 OF 22		SCALE 1:2000 (A3)	DRAWING No ZB01608-ECC-DG-3011	REV A
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PRELIMINARY ISSUE



REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

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**JACOBS**  
 Level 2, Carlaw Park  
 12-16 Nicholls Lane, Parnell  
 AUCKLAND 1010  
 NEW ZEALAND  
 Tel: +64 9 928 9500  
 Fax: +64 9 928 9501  
 Web: www.jacobskm.com

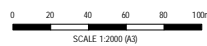
CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Rilsma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Rilsma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 12 OF 22		SCALE 1:2000 (A3)	DRAWING No ZB01608-ECC-DG-3012	REV A
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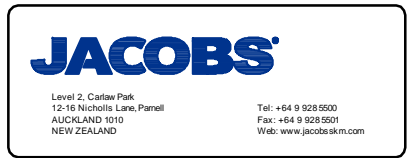


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A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Riisma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Riisma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 13 OF 22		SCALE 1:2000 (A3)	DRAWING No ZB01608-ECC-DG-3013	REV A
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**PRELIMINARY ISSUE**

REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Riisma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Riisma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 14 OF 22		REV A
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KIRKBRIDE GRADE SEPARATION PROJECT

SH20A SOUTHBOUND  
HR ALIGNMENT  
SH20A NORTHBOUND

**PRELIMINARY ISSUE**



REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Riisma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Riisma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 15 OF 22		REV A
SCALE 1:2000 (A3)	DRAWING No ZB01608-ECC-DG-3015	

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PRELIMINARY ISSUE



REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Riisma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Riisma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 16 OF 22		SCALE 1:2000 (A3)	DRAWING No ZB01608-ECC-DG-3016	REV A
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WESTNEY ROAD

MONTGOMERIE ROAD

AIRPARK DRIVE

MONTGOMERIE ROAD CLOSED AS PART OF KIRKBRIDE GRADE SEPARATION PROJECT

SH20A SOUTHBOUND  
HR ALIGNMENT  
SH20A NORTHBOUND



PRELIMINARY ISSUE

DATE: 30/04/2016 11:44:35 AM  
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REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Rilsma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Rilsma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 17 OF 22	
SCALE 1:2000 (A3)	DRAWING No ZB01608-ECC-DG-3017
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PRELIMINARY ISSUE

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A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



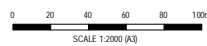
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PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Ritsma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Ritsma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 18 OF 22		REV A
SCALE 1:2000 (A3)	DRAWING No. ZB01608-ECC-DG-3018	

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PRELIMINARY ISSUE



REV	DATE	DRAWN	REVD	APPD	REVISION
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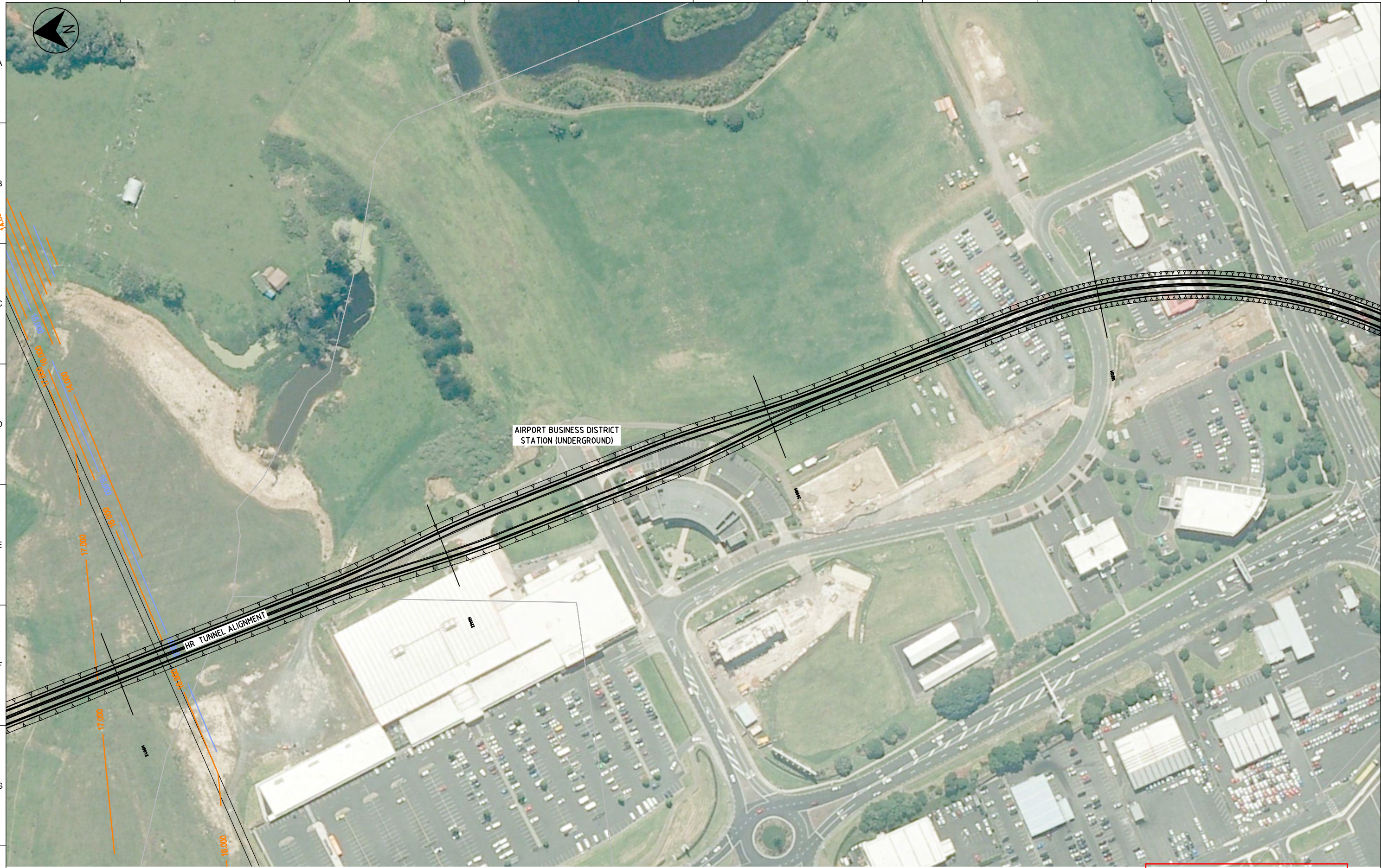
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CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Riisma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Riisma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 19 OF 22		SCALE 1:2000 (A3)	DRAWING No. ZB01608-ECC-DG-3019	REV A
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AIRPORT BUSINESS DISTRICT STATION (UNDERGROUND)

HR TUNNEL ALIGNMENT

PRELIMINARY ISSUE



REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Riisma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Riisma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 20 OF 22		SCALE 1:2000 (A3)	DRAWING No. ZB01608-ECC-DG-3020	REV A
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DETAIL TO BE REFINED  
FOLLOWING DISCUSSION  
WITH AUCKLAND AIRPORT



**PRELIMINARY ISSUE**



REV	DATE	DRAWN	REVD	APPD	REVISION
A	24/06/16	JMA	JPH	JPH	PRELIMINARY ISSUE

DRAWING NUMBER	REFERENCE DRAWING TITLE



CLIENT AUCKLAND TRANSPORT			
PROJECT SMART - RAPID TRANSIT TO AIRPORT			
DRAWN K. Rilsma	DRAWING CHECK J. Aldridge	REVIEWED J. Hosking	APPROVED J. Hosking
DESIGNED K. Rilsma	DESIGN REVIEW J. Aldridge	DATE 16/06/2016	DATE 17/06/16

TITLE GENERAL ARRANGEMENT HR OPTION SHEET 22 OF 22		SCALE 1:2000 (A3)	DRAWING No. ZB01608-ECC-DG-3022	REV A
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