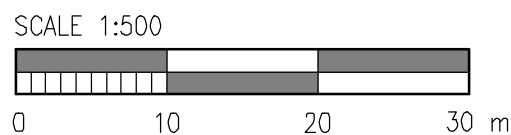


Disclaimer: Robert Bird Group Pty Ltd (RBG) and its related entities (REs) do not warrant the accuracy, currency or completeness of any information or data they supply or transfer by electronic means. The information or data is provided by electronic means (including, but not limited to, email, website, or other electronic means) and is subject to change without notice. RBG and its related entities (REs) accept no liability for any loss or damage however caused, with you or any other party may directly or indirectly suffer in connection with your access to or use of that information or data.



DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE



Rev.	Revision Description	By	App.	Date	Rev.	Revision Description	By	App.	Date
1	DRAFT SUBMISSION FOR SSDA	LAR	CR	16.05.2014					
2	UPDATED SUBMISSION FOR SSDA	LAR	CR	22.05.2014					
3	UPDATED SUBMISSION FOR SSDA	LAR	CR	27.05.2014					

Structural, Civil & Construction
Engineering Consultant



RobertBirdGroup

SYDNEY OFFICE:
Robert Bird Group Pty Ltd
PO Box H38, Australia Square,
Sydney NSW 1215
Level 5
9 Castlereagh St, Sydney NSW

Ph. (02) 8246 3200
Fax. (02) 8246 3201
eNv 018 500 214

Web Site: www.robertbirg.com

Client



Title
**PARK, PLAZA AND RETAIL
STREET LONGITUDINAL SECTION
SHEET 1 OF 2**

Project
**NORTH RYDE STATION PRECINCT,
M2 SITE, S.S.D.A.**

NOT FOR CONSTRUCTION

Date 27.05.2014	Designer LARUSSELL	Design Checker C.ROPE
Scale at A1 AS SHOWN	Drawn S.MANANDHAR	Principal/Project Owner R.J.LUCAS
Job Number 13656	Drawing Number C-0-3-24	Revision 3

LONGITUDINAL SECTION PARK PLAZA RETAIL STREETS

HORIZONTAL CURVE DATA

VERTICAL GEOMETRY GRADE (%)

VERTICAL GRADE LENGTH

VERTICAL CURVE LENGTH (m)

VERTICAL CURVE RADIUS (m)

DATUM R.L. 47.50

DEPTH TO NATURAL SURFACE	-0.690	-0.594	-0.690	-0.442	-0.369	-0.293		0.326		0.788	0.896	0.992	-0.040	-0.476		-1.745	-2.039		-2.396	-2.594	-2.589	-2.489	-2.185	-1.814	-1.734	-1.602		-1.195	-1.130	-0.888	-0.861		-0.369	-0.239		0.335	0.603		1.084	0.913		0.555
DESIGN HEIGHT	53.810	53.916	54.310	54.558	54.694	54.829		55.908		56.986	57.133	57.917	58.352	58.469		58.840	58.911		59.104	59.208	59.213	59.252	59.297	59.252	59.215	59.153		59.062	59.050	58.989	58.980		58.833	58.797		58.656	58.559		57.843	57.502		56.678
EXISTING SURFACE	54.500	54.500	55.000	55.000	55.063	55.122		55.582		56.198	56.277	56.925	58.391	58.945		60.585	60.951		61.500	61.802	61.802	61.740	61.482	61.066	60.949	60.755		60.257	60.180	59.877	59.840		59.202	59.037		58.321	57.956		56.759	56.588		56.123
CHAINAGE	0.000	2.976	12.976	18.722	21.813	25.000		50.000		75.000	78.386	100.000	118.386	125.000		145.813	150.000		163.875	175.000	175.652	181.938	200.000	218.062	225.000	235.312		248.363	250.000	257.698	258.769		275.000	278.663		292.747	300.000		325.000	332.747		350.000

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

SPINE STREET
INTERSECTION

2.976 HT 53.916

IP CH 7.976 HT 54.094

12.976 HT 54.31

10m VC

R = 1327.39

R9.25m

4.315%

90.41m

40m VC

R = 1577.77

1.78%

65.489m

36.125m VC

R = 2821.8

0.5%

36.125m

36.125m VC

R = 3612.84

-0.5%

48.363m

60.601m VC

R = 12118.91

-1%

64.384m

40m VC

R = 1059.9

-4.774%

63.347m

332.747 HT 57.502

IP CH 312.747 HT 58.456

292.747 HT 58.656

278.663 HT 58.797

IP CH 248.363 HT 59.1

218.062 HT 59.252

CREST CH 199.999 HT 59.297

IP CH 200.000 HT 59.342

181.938 HT 59.252

IP CH 163.875 HT 59.161

145.813 HT 58.84

118.386 HT 58.352

78.386 HT 57.133