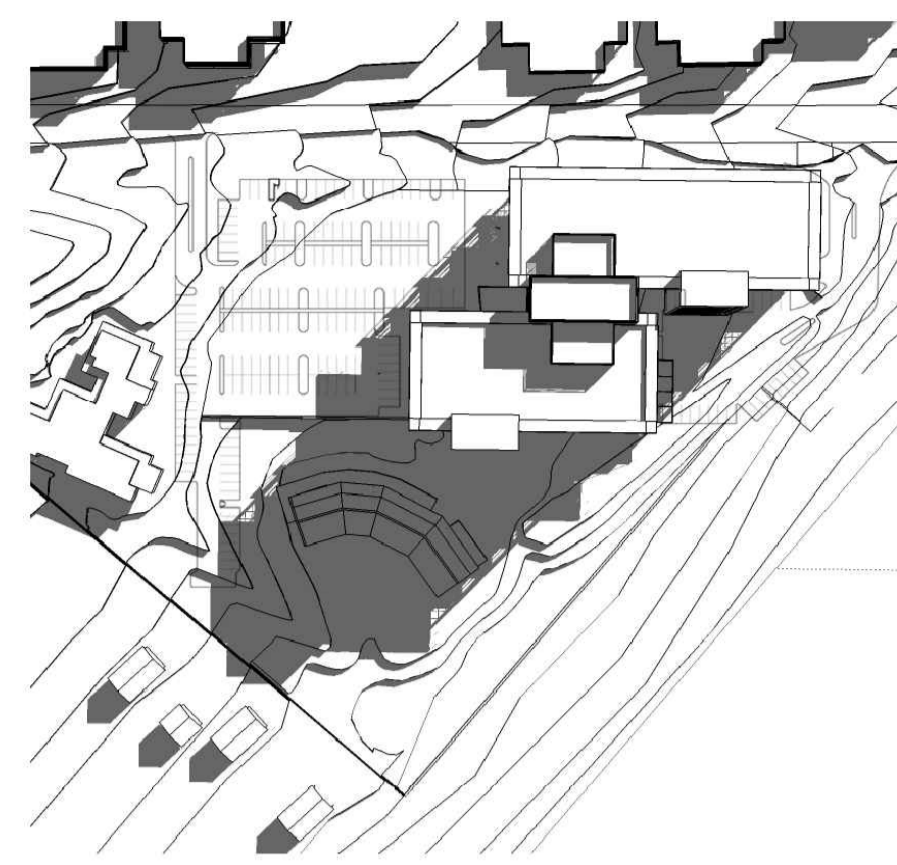
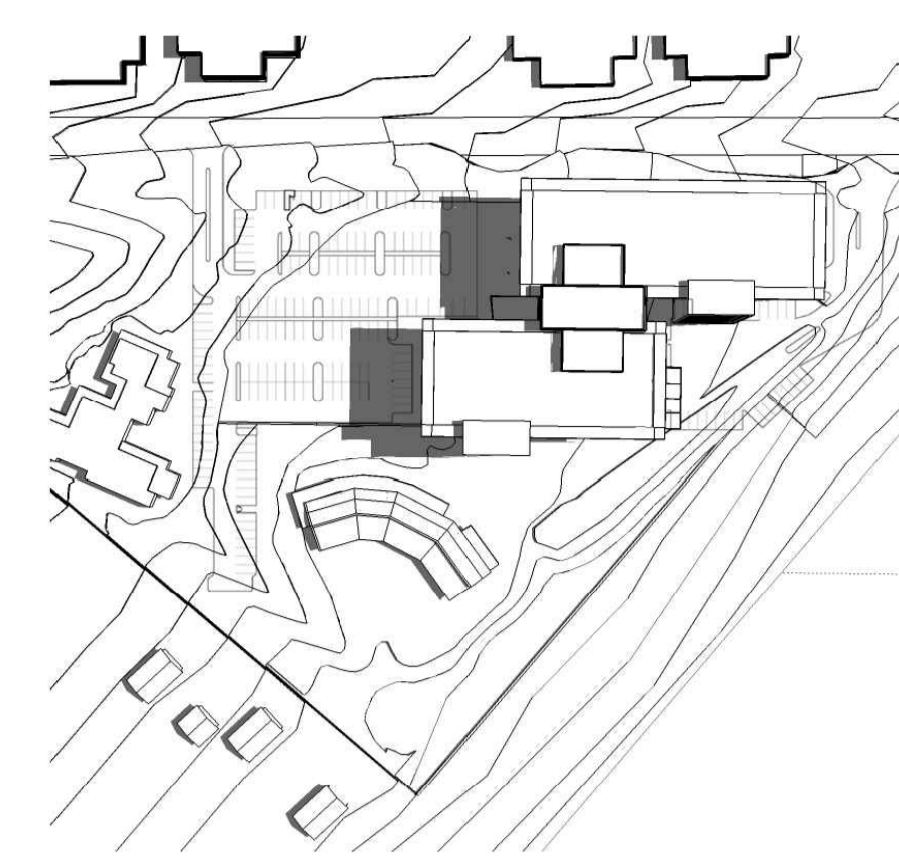


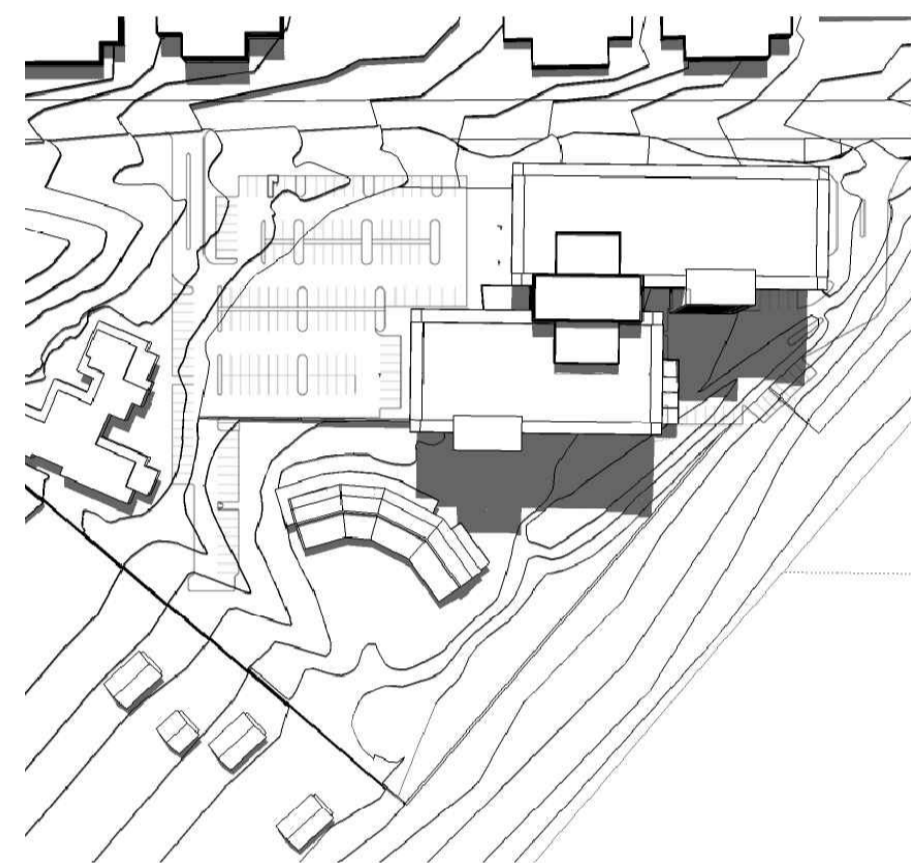
1 21st MARCH - 9AM
AZIMUTH ANGLE = 61° EAST OF NORTH
ALTITUDE ANGLE = 36° ABOVE THE HORIZONTAL



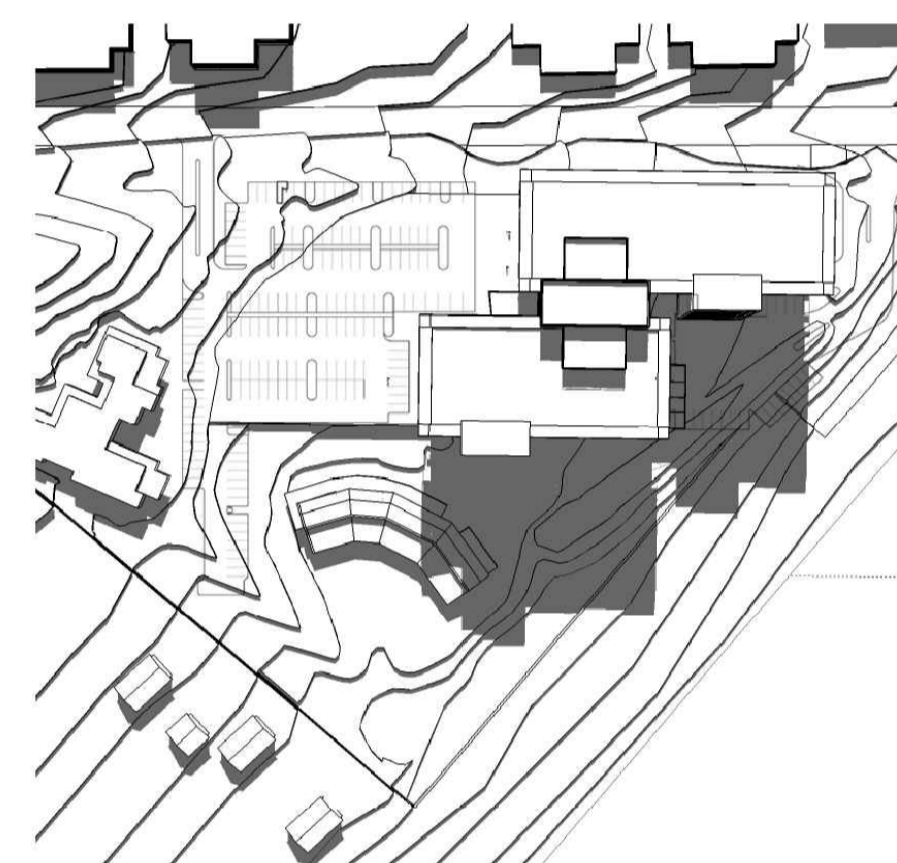
4 21st JUNE - 9AM
AZIMUTH ANGLE = 43° EAST OF NORTH
ALTITUDE ANGLE = 18° ABOVE THE HORIZONTAL



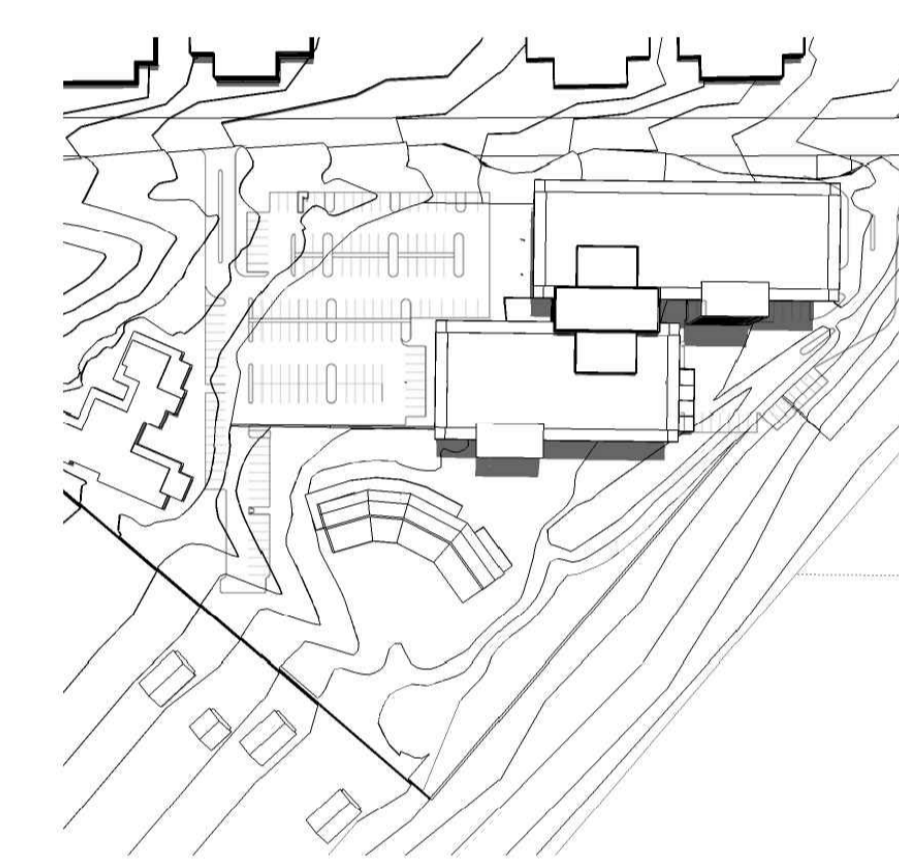
7 22nd DECEMBER - 9AM
AZIMUTH ANGLE = 87° EAST OF NORTH
ALTITUDE ANGLE = 50° ABOVE THE HORIZONTAL



2 21st MARCH - 12PM
AZIMUTH ANGLE = 0° FROM NORTH
ALTITUDE ANGLE = 55° ABOVE THE HORIZONTAL



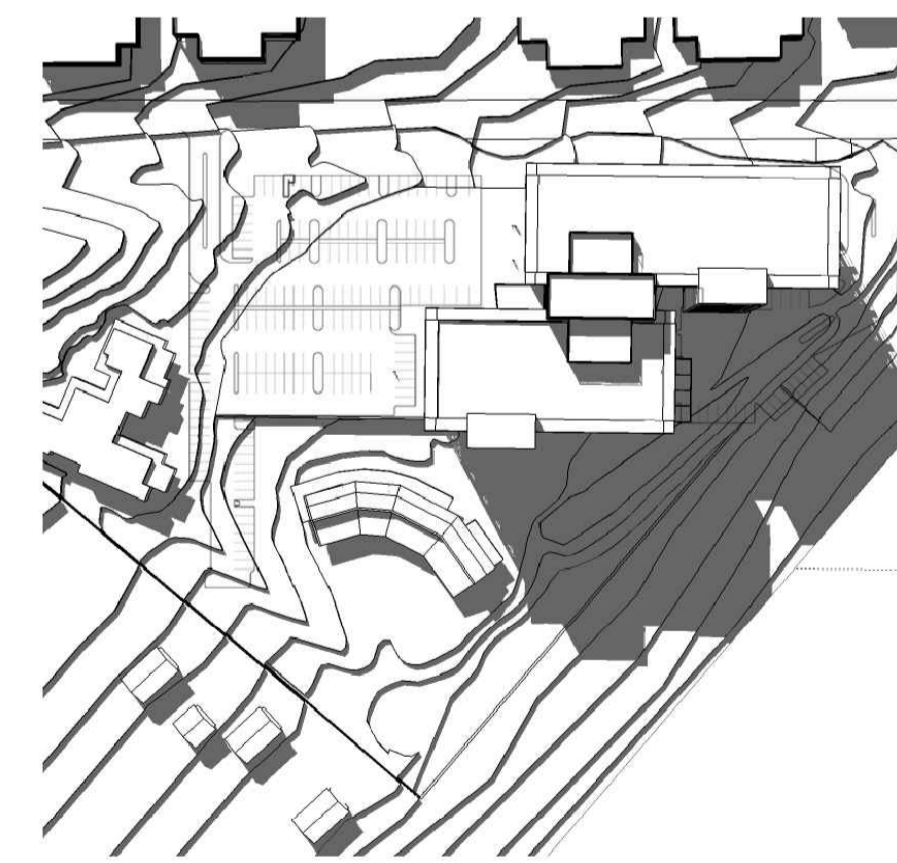
5 21st JUNE - 12PM
AZIMUTH ANGLE = 0° FROM NORTH
ALTITUDE ANGLE = 32° ABOVE THE HORIZONTAL



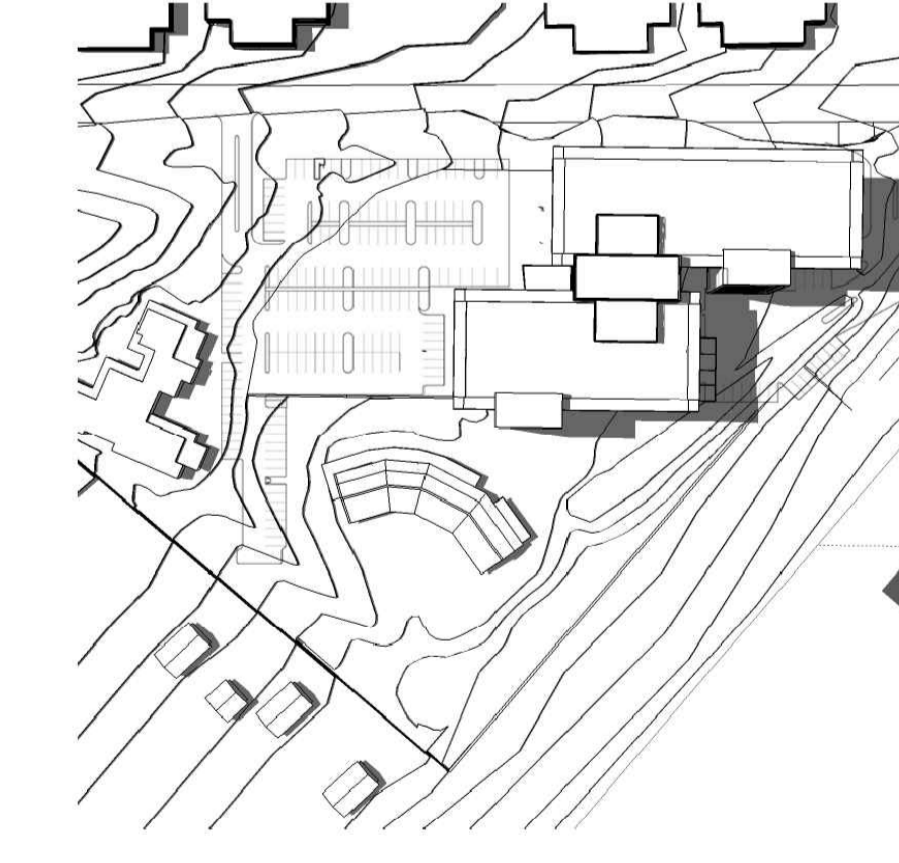
8 22nd DECEMBER - 3PM
AZIMUTH ANGLE = 0° FROM NORTH
ALTITUDE ANGLE = 78° ABOVE THE HORIZONTAL



3 21st MARCH - 3PM
AZIMUTH ANGLE = 61° WEST OF NORTH
ALTITUDE ANGLE = 36° ABOVE THE HORIZONTAL



6 21st JUNE - 3PM
AZIMUTH ANGLE = 43° WEST OF NORTH
ALTITUDE ANGLE = 18° ABOVE THE HORIZONTAL



9 22nd DECEMBER - 3PM
AZIMUTH ANGLE = 87° WEST OF NORTH
ALTITUDE ANGLE = 50° ABOVE THE HORIZONTAL

Land Surveyors LOCKLEY LAND TITLE SOLUTIONS 19 Measey Street GLADESVILLE NSW 2111 P 9379 6077	BCA McKENZIE GROUP Level 6, 189 Kent Street SYDNEY NSW 2000 P 9296 6900 F 9296 9899 E abaliley@mckenzie-group.com.au	Mechanical, Electrical, Lighting, Security, Lifts, Audio Communications, Hydraulic, Fire Services and Facades HYDER Level 5, 141 Walker Street, NORTH SYDNEY NSW 2080 P 9907 9000 F 9907 9001 E gerry.wal@hyderconsulting.com	Planners JBA Level 7, 77 Berry Street NORTH SYDNEY NSW 2080 P 9956 6952 F N/A E oclair@jba-planning.com.au	Client COCHLEAR 14 Mars Road LANE COVE NSW 2086 P 9426 6955 F 9426 6274 E	<table border="1"> <thead> <tr> <th>DATE</th> <th>ISS</th> <th>AMENDMENTS</th> <th>CHKD</th> <th>APPR'D</th> </tr> </thead> <tbody> <tr> <td>18.04.08</td> <td>01</td> <td>PRELIMINARY PLANNING APPLICATION</td> <td>DB</td> <td></td> </tr> <tr> <td>05.05.08</td> <td>02</td> <td>CONSULTANT ISSUE</td> <td>DB</td> <td></td> </tr> <tr> <td>13.06.08</td> <td>A</td> <td>PLANNING APPLICATION</td> <td>DB</td> <td></td> </tr> </tbody> </table>	DATE	ISS	AMENDMENTS	CHKD	APPR'D	18.04.08	01	PRELIMINARY PLANNING APPLICATION	DB		05.05.08	02	CONSULTANT ISSUE	DB		13.06.08	A	PLANNING APPLICATION	DB	
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Traffic CARDNO EPEL OLSEN Level 3, 810 Pacific Highway, GORDON, NSW 2072 P 9496 7700 F 9499 3502 E anissa.levy@cardno.com.au	Fire Engineering RAWFIRE Level 7, 181 Clarence Street SYDNEY NSW 2000 P 9299 6605 E	Civil Engineering COSTIN ROE Suite 310, 55 Harrington Street Level NSW 2000 P 9251 7699 F 9241 3731 E grant@costinroe.com.au	Interior Design GEYER Level 7, 24 York Street SYDNEY NSW 2000 P 9248 3222 F 9248 3288 E laznavoorian@geyer.com.au	Project Managers CRI Level 2, 76 Berry Street NORTH SYDNEY NSW 2080 P 9954 8888 F 9929 3388 E andrew@cricri.com.au	<table border="1"> <thead> <tr> <th>DATE</th> <th>ISS</th> <th>AMENDMENTS</th> <th>CHKD</th> <th>APPR'D</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	DATE	ISS	AMENDMENTS	CHKD	APPR'D															
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Programmers BLUE VISIONS Level 14, 99 Mount Street NORTH SYDNEY NSW 2080 P 9966 9888 F 9460 2086 E adam@bluevisions.com.au	Acoustics HEGGIES 2 Lincoln Street, LANE COVE NSW 2086 P 9427 9100 F 9427 8200 E matthew.verth@heggies.com.au	Landscape Architecture and Ecological Assessment DEM Level 8, 16 Help Street CHATSWOOD NSW 2087 P 9966 9000 F 9966 6111 E claire.mcley@dem.com.au	Structural Engineering PAUL DAVIS RAJALINGAM Suite 401, 55 Chandos Street ST LEONARDS NSW 2085 P 9004 8958 F 9004 8858 E paul@pdramstructures.com.au	Quantity Surveyor RIDER LEVETT BUCKNALL 41 McLaren St NORTH SYDNEY NSW 2080 P 9922 2277 F 9957 4197 E ray.bergar@au.rlb.com	<table border="1"> <thead> <tr> <th>DATE</th> <th>ISS</th> <th>AMENDMENTS</th> <th>CHKD</th> <th>APPR'D</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	DATE	ISS	AMENDMENTS	CHKD	APPR'D															
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COCHLEAR GLOBAL HEADQUARTERS STAGE 1 AT MACQUARIE PARK

ARCHITECTURE
toland williams

Toland Williams Architects T 612 9290 1944
 101 Sussex St Sydney 2000 Australia F 612 9290 3291
 E toland@toland.com.au
 Registered Architect, Robert Toland (3377)

DRAWING TITLE
SHADOW DIAGRAMS

PROJECT NO. 2006.16 DWG. NO. A19 ISSUE NO. A

DATE 13.06.2008 SCALE N.T.S.

Scale 1:1000

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P:\projects\2006\2006-16\c Cochlear\01\shadow diagrams\stage1\shd.dwg P:\projects\2006\2006-16\c Cochlear\01\shadow diagrams\stage1\shd.dwg