

An aerial photograph of a residential area, showing a dense cluster of houses and trees. A road, Smalls Road, runs diagonally across the image. The overall tone is dark and muted, with a focus on the layout of the neighborhood.

CARRINGTON PARK, SMALLS ROAD

Visual impact photomontage and methodology report

September 2020

VIRTUAL IDEAS

1. INTRODUCTION

This document was prepared by Virtual Ideas to demonstrate the visual impact of the proposed Smalls Road precinct development with respect to the existing built form and existing site conditions.

2. VIRTUAL IDEAS EXPERTISE

Virtual Ideas is an architectural visualisation company that has over 15 years experience in preparing visual impact assessment content and reports on projects of major significance that meet the requirements for relevant local and state planning authorities.

Our reports have been submitted as evidence in proceedings in both the Land and Environment Court and the Supreme Court of NSW. Our director, Grant Kolln, has been an expert witness in the field of visual impact assessment in the Supreme Court of NSW.

Virtual Ideas' methodologies and outcomes have been inspected by various court appointed experts in relation to previous visual impact assessment submissions, and have always been found to be accurate and acceptable.

3. PHOTOMONTAGE METHODOLOGY

The following describes the process that we have undertaken to create the photomontage renderings that form the basis of this report.

3.1 DIGITAL 3D SCENE CREATION

The first step in our process was the creation of an accurate, real-world scale digital 3D scene that is positioned at a common reference point using the MGA 56 co-ordinates system.

We used a variety of data from various sources to create the 3D scene including a building massing 3D model, a 2D site plan drawing, a site survey and a landscape design drawing. A detailed description of the various data sources used in this report can be found in Appendix A.

All data has been imported into the 3D scene at real world scale and positioned to a common reference point. This common reference point is established by using the MGA-56 co-ordinates system. When we receive data sources that are not positioned to MGA-56 co-ordinates we use common points in the data sources that can be aligned to points in other data sources that are positioned at MGA-56. This can be data such as site boundaries and building outlines. Descriptions of how we have aligned each data source can also be found in Appendix A.

3D trees were also placed in the scene to match the landscape drawings supplied by Site Image. We were instructed to show the landscape at a size close to what it would be 5 years after construction.

Once the various data sources were imported and positioned with reference to each other, we then created digital 3D cameras in the 3D scene. The camera locations selected for the 11 photomontages locations in this report has been recommended by Virtual Ideas, taking into consideration the topology of the site, the future built form, residential properties adjacent to the site and existing vegetation. These positions have been approved by our client, Carrington Care and the planning consultant Michael Brown Planning Strategies.

3.2 SITE PHOTOGRAPHY

Using the 3D scene digital camera locations as our reference, we then captured site photography from locations as close as possible to the digital camera locations. In some cases we had to slightly modify the locations due to site conditions that were not visible prior to conducting the photo shoot.

Camera lenses for each photograph were selected taking a variety of factors into consideration, including the distance from the site, the size of the proposed development with respect to existing built form and landscape, and any specific planning authority requirements.

In some cases, a specific lens requirement set by planning authorities may not produce a photomontage that is effective for visual impact assessment. In the cases where we are required to satisfy a specific lens stipulation, and we consider that this is not effective for assessment of visual impact, we will outline the extent of the mandated lens on the photomontages.

Full metadata of the photographs was recorded during the site photography. The critical data we extracted was date, time and lens width or field of view.

3.3 SITE AND PHOTOGRAPHY LOCATION SURVEY

To correctly align the digital cameras in our 3D scenes to match the positions of the site photography, we engaged a registered surveyor (JMD Surveyors) to survey all photography locations and reference these locations to the MGA 56 co-ordinates.

In addition to the photography locations, we also instructed the surveyor to survey select features that are visible in the photographs from each individual location.

This survey data can be found in Appendix B.

3.4 ALIGNMENT OF 3D SCENE TO PHOTOGRAPHY

To align the 3D scene to the photograph, we first imported the site and photography location survey data into the 3D scene.

We then loaded the photograph into the background of the corresponding 3D scene camera view, ensuring that the aspect ratio and lens settings matched.

The 3D scene camera was moved to the surveyed position and rotated so that the surveyed feature locations matched the same features in the photograph.

3.5 RENDERING AND PHOTOMONTAGE CREATION

After the camera alignment, we applied materials and lighting to the 3D scene.

To clearly illustrate and identify the built form, we applied a basic white material to the proposed new development.

A digital sunlight system was added in the 3D scene to match the lighting direction of the sun in the photograph. This was done using the software sunlight system that matches the angle of the sun in the photograph using location data and time and date information. This data was extracted from the metadata of the site photographs.

Images were then rendered from the software and layered over the photograph.

For locations 3, 4, 8 and 9, we were asked to create an additional photomontage showing the future landscaping as transparent in order for the mitigated built form to be visible in the photomontage.

4. MAP OF PHOTOGRAPHY LOCATIONS



5.1 CAMERA POSITION 1

ORIGINAL PHOTOGRAPH



PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH



ORIGINAL PHOTOGRAPH INCLUDING SURVEYED ALIGNMENT DATA



PHOTOGRAPH DETAILS

Photo Date:	18th August 2020
Camera Used:	Nikon D810
Camera Lens:	24-70mm f/2.8
Focal length:	24mm
Lens selection rationale:	The 24mm lens was selected to show sufficient surrounding landscape context.



5.1 CAMERA POSITION 1

ORIGINAL PHOTO WITH 50mm LENS OVERLAY INDICATED



5.1 CAMERA POSITION 1

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.2 CAMERA POSITION 2

ORIGINAL PHOTOGRAPH



PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH

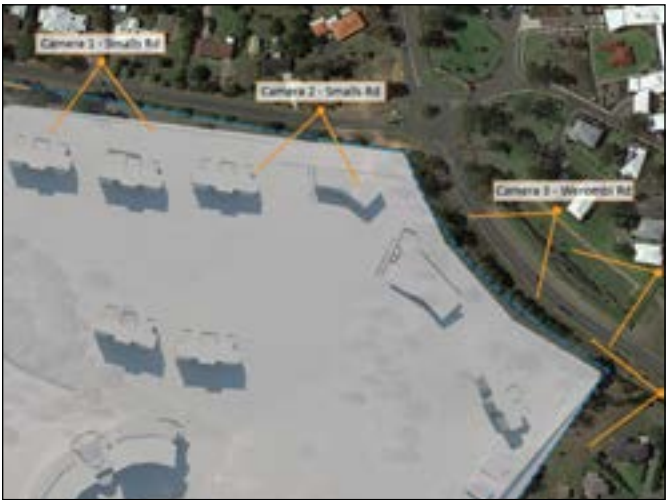


ORIGINAL PHOTOGRAPH INCLUDING SURVEYED ALIGNMENT DATA



PHOTOGRAPH DETAILS

Photo Date:	18th August 2020
Camera Used:	Nikon D810
Camera Lens:	24-70mm f/2.8
Focal length:	24mm
Lens selection rationale:	The 24mm lens was selected to show sufficient surrounding landscape context.



5.2 CAMERA POSITION 2

ORIGINAL PHOTO WITH 50mm LENS OVERLAY INDICATED



5.2 CAMERA POSITION 2

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.3 CAMERA POSITION 3

ORIGINAL PHOTOGRAPH



PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH



ORIGINAL PHOTOGRAPH INCLUDING SURVEYED ALIGNMENT DATA



PHOTOGRAPH DETAILS

Photo Date:	18th August 2020
Camera Used:	Nikon D810
Camera Lens:	24-70mm f/2.8
Focal length:	24mm
Lens selection rationale:	The 24mm lens was selected to show sufficient surrounding landscape context.



5.3 CAMERA POSITION 3

ORIGINAL PHOTO WITH 50mm LENS OVERLAY INDICATED



50mm lens frame

5.3 CAMERA POSITION 3

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.3 CAMERA POSITION 3

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND TRANSPARENT FUTURE LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.4 CAMERA POSITION 4

ORIGINAL PHOTOGRAPH



PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH



ORIGINAL PHOTOGRAPH INCLUDING SURVEYED ALIGNMENT DATA



PHOTOGRAPH DETAILS

Photo Date:	18th August 2020
Camera Used:	Nikon D810
Camera Lens:	24-70mm f/2.8
Focal length:	24mm
Lens selection rationale:	The 24mm lens was selected to show sufficient surrounding landscape context.



5.4 CAMERA POSITION 4

ORIGINAL PHOTO WITH 50mm LENS OVERLAY INDICATED



5.4 CAMERA POSITION 4

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.4 CAMERA POSITION 4

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND TRANSPARENT FUTURE LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.5 CAMERA POSITION 5

ORIGINAL PHOTOGRAPH



PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH



ORIGINAL PHOTOGRAPH INCLUDING SURVEYED ALIGNMENT DATA



PHOTOGRAPH DETAILS

Photo Date:	18th August 2020
Camera Used:	Nikon D810
Camera Lens:	24-70mm f/2.8
Focal length:	24mm
Lens selection rationale:	The 24mm lens was selected to show sufficient surrounding landscape context.



5.5 CAMERA POSITION 5

ORIGINAL PHOTO WITH 50mm LENS OVERLAY INDICATED



5.5 CAMERA POSITION 5

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.6 CAMERA POSITION 6

ORIGINAL PHOTOGRAPH



PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH



ORIGINAL PHOTOGRAPH INCLUDING SURVEYED ALIGNMENT DATA



PHOTOGRAPH DETAILS

Photo Date:	18th August 2020
Camera Used:	Nikon D810
Camera Lens:	24-70mm f/2.8
Focal length:	24mm
Lens selection rationale:	The 24mm lens was selected to show sufficient surrounding landscape context.



5.6 CAMERA POSITION 6

ORIGINAL PHOTO WITH 50mm LENS OVERLAY INDICATED



5.6 CAMERA POSITION 6

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.7 CAMERA POSITION 7

ORIGINAL PHOTOGRAPH



PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH



ORIGINAL PHOTOGRAPH INCLUDING SURVEYED ALIGNMENT DATA



PHOTOGRAPH DETAILS

Photo Date:	18th August 2020
Camera Used:	Nikon D810
Camera Lens:	24-70mm f/2.8
Focal length:	24mm
Lens selection rationale:	The 24mm lens was selected to show sufficient surrounding landscape context.



5.7 CAMERA POSITION 7

ORIGINAL PHOTO WITH 50mm LENS OVERLAY INDICATED



5.7 CAMERA POSITION 7

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.8 CAMERA POSITION 8

ORIGINAL PHOTOGRAPH



PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH



ORIGINAL PHOTOGRAPH INCLUDING SURVEYED ALIGNMENT DATA



PHOTOGRAPH DETAILS

Photo Date:	18th August 2020
Camera Used:	Nikon D810
Camera Lens:	24-70mm f/2.8
Focal length:	24mm
Lens selection rationale:	The 24mm lens was selected to show sufficient surrounding landscape context.



5.8 CAMERA POSITION 8

ORIGINAL PHOTO WITH 50mm LENS OVERLAY INDICATED



5.8 CAMERA POSITION 8

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.8 CAMERA POSITION 8

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND TRANSPARENT FUTURE LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.9 CAMERA POSITION 9

ORIGINAL PHOTOGRAPH



PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH



ORIGINAL PHOTOGRAPH INCLUDING SURVEYED ALIGNMENT DATA



PHOTOGRAPH DETAILS

Photo Date:	18th August 2020
Camera Used:	Nikon D810
Camera Lens:	24-70mm f/2.8
Focal length:	24mm
Lens selection rationale:	The 24mm lens was selected to show sufficient surrounding landscape context.



5.9 CAMERA POSITION 9

ORIGINAL PHOTO WITH 50mm LENS OVERLAY INDICATED



5.9 CAMERA POSITION 9

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.9 CAMERA POSITION 9

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND TRANSPARANT LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



5.10 CAMERA POSITION 10

ORIGINAL PHOTOGRAPH



PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH



ORIGINAL PHOTOGRAPH INCLUDING SURVEYED ALIGNMENT DATA



PHOTOGRAPH DETAILS

Photo Date:	18th August 2020
Camera Used:	Nikon D810
Camera Lens:	24-70mm f/2.8
Focal length:	24mm
Lens selection rationale:	The 24mm lens was selected to show sufficient surrounding landscape context.



5.10 CAMERA POSITION 10

ORIGINAL PHOTO WITH 50mm LENS OVERLAY INDICATED



50mm lens frame

5.10 CAMERA POSITION 10

PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



50mm lens frame

5.11 CAMERA POSITION 11

ORIGINAL PHOTOGRAPH



PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH



ORIGINAL PHOTOGRAPH INCLUDING SURVEYED ALIGNMENT DATA



PHOTOGRAPH DETAILS

Photo Date:	18th August 2020
Camera Used:	Nikon D810
Camera Lens:	24-70mm f/2.8
Focal length:	24mm
Lens selection rationale:	The 24mm lens was selected to show sufficient surrounding landscape context.



5.11 CAMERA POSITION 11

ORIGINAL PHOTO WITH 50mm LENS OVERLAY INDICATED



5.11 CAMERA POSITION 11

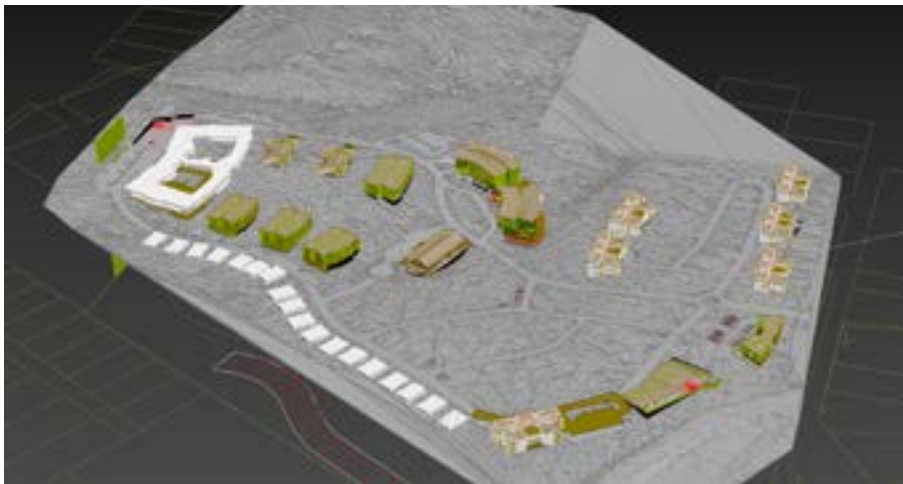
PHOTOMONTAGE SHOWING FUTURE DEVELOPMENT AND LANDSCAPING AT 5 YEARS GROWTH WITH 50mm LENS OVERLAY INDICATED



APPENDIX A: 3D SCENE DATA SOURCES

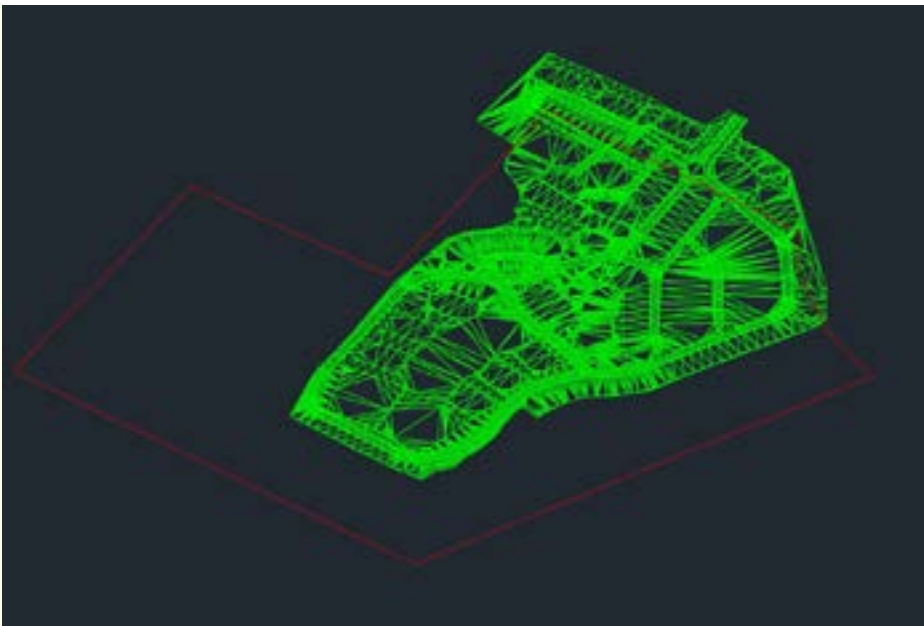
A.1 - 3D Model of building massing and site topology

File Name: 2019028_JT_A_SITE_AR_18_media - 3D View - massing view.dwg
Author: Jackson Teece
Format: AutoCAD
Scene Alignment: Aligned to boundary from site plan CAD drawing (A.2) in scene at MGA 56



A.2 - Cad drawings of the site plan and topology

File Name: bulk earthworks 3d triangles on MGA2020 coords.dwg
Author: JMD Surveyors
Format: Autocad DWG
Alignment: Supplied referenced to MGA 56



A.3 - Landscape Design DA documentation

File Name: SS19-4139_L_000-502.pdf
Author: Site Image Landscape Architect
Format: Acrobat
Alignment: Not aligned in the scene - used as reference for landscape placement



A.4 - Survey of camera location and alignment positions - refer to Appendix B for details

File Name: 07224(Smalls)Photo Points CARR Coords(200821).dwg
Author: JMD Surveyors
Format: Autocad DWG
Alignment: Supplied referenced to MGA 56



APPENDIX B: JMD SURVEY OF CAMERA LOCATIONS AND ALIGNMENT POSITIONS

Project: Carrington Centennial Care - Smalls Road Precinct							
Survey and Coordination of Photo Control Points							
JMD Ref: 07224(Smalls)Photo Points(200821)							
Date of Survey: 21 Aug 2020							
Notes:							
- Points surveyed relate to the brief provided on 20 Aug 2020							
- Coordinates have been shown in both the site ground coordinate system (truncated MGA94) and in MGA2020 coordinates (ground coordinates related to PM46323)							
- Reduced Levels (RL) are related to Australian Height Datum (AHD)							
- Points surveyed using combination of GNSS and total station observations							
- This table to be used in conjunction with the dwg file provided, and the data contained in this hard copy table takes precedence over any coordinate interpolated from the CAD file or Excel spreadsheet							
Point Number	Easting MGA2020 ground coordinates PM46323)	Northing (origin)	RL	Description		Easting Carrington site ground coordinates	Northing
3934	284919.34	6229397.58	96.935	Benchmark - Nail in Island	Origin of levels	4167.60	4548.41
8417	284590.31	6229405.23				3838.57	4556.06
8418	284878.45	6229361.39				4126.72	4512.22
8419	284903.07	6229311.51				4151.33	4462.34
8420	284962.50	6229250.53				4210.76	4401.36
8421	285026.65	6229215.39				4274.92	4366.22
8422	284827.99	6228927.72				4076.25	4078.55
8423	284739.56	6228798.65				3987.82	3949.48
8424	284737.09	6228796.94				3985.35	3947.77
8425	284277.73	6228866.28				3526.00	4017.11
8426	284324.68	6229163.91				3572.95	4314.74
8427	284548.24	6229138.58				3796.51	4289.41
6849	284665.94	6229415.36	95.90	V01	Camera Position (ground level)	3914.20	4566.19
11871	284692.23	6229389.72	97.36	T-POST1	Photo Points surveyed (CAD layer "T-200821")	3940.49	4540.55
11979	284678.19	6229391.79	97.47	T-POST2		3926.46	4542.62
11988	284663.60	6229393.99	97.31	T-POST3		3911.86	4544.82
11993	284657.39	6229392.91	96.12	BASE-TREE		3905.65	4543.74
11995	284668.65	6229409.29	95.70	CNR-BK		3916.92	4560.12
12004	284820.13	6229391.74	97.32	V02	Camera Position (ground level)	4068.39	4542.57
12006	284805.84	6229372.39	99.07	T-POST	Photo Points surveyed (CAD layer "T-200821")	4054.10	4523.22
12007	284820.61	6229371.55	98.06	BASE-TREE		4068.88	4522.38
12008	284827.12	6229369.12	99.46	T-PICKET		4075.38	4519.95
12011	284831.17	6229369.71	98.27	BASE-SHRUB		4079.43	4520.54
16078	284615.31	6228745.49	121.18	GUTTER		3863.58	3896.32
16079	284622.70	6228744.90	123.37	RIDGE		3870.97	3895.73

15600	284991.89	6229324.57	88.42	V03	Camera Position (ground level)	4240.16	4475.40
15658	284987.85	6229319.60	88.51	T-ROCK	Photo Points surveyed (CAD layer "T-200821")	4236.12	4470.43
15660	284987.01	6229306.57	88.82	BASE-STAKE		4235.27	4457.40
15662	284978.66	6229314.24	89.54	BASE-TREE		4226.92	4465.07
15663	284964.81	6229311.26	92.75	T-POST1		4213.07	4462.09
15673	284973.23	6229302.52	92.00	T-POST2		4221.50	4453.35
15674	284985.95	6229258.36	92.24	T-SIGN		4234.22	4409.19
15675	285070.49	6229284.97	82.04	V04	Camera Position (ground level)	4318.75	4435.80
15676	285024.78	6229273.85	86.61	BASE-TREE	Photo Points surveyed (CAD layer "T-200821")	4273.05	4424.68
15678	285057.50	6229284.46	83.39	BASE-TREE		4305.77	4435.29
15679	285066.00	6229282.62	82.17	T-TIMSLPR		4314.27	4433.45
15682	285065.84	6229276.49	84.42	T-POST1		4314.11	4427.32
15684	285024.29	6229259.69	88.67	T-POST2		4272.55	4410.52
15685	285044.05	6229247.00	90.81	T-SIGN		4292.31	4397.83
15687	284986.96	6229116.71	103.40	RIDGE-ROOF		4235.22	4267.54
15689	285040.10	6229213.08	86.65	V05	Camera Position (ground level)	4288.37	4363.91
15701	285034.79	6229211.10	87.61	CNR-T-POST	Photo Points surveyed (CAD layer "T-200821")	4283.06	4361.93
15768	285027.59	6229215.00	87.07	CNR-T-POST		4275.85	4365.83
15769	285017.70	6229201.15	88.90	T-POLE		4265.96	4351.98
15775	284985.86	6229258.02	92.22	T-CNR-SIGN		4234.12	4408.85
15776	284973.84	6229071.34	100.24	V06	Camera Position (ground level)	4222.10	4222.17
15778	284955.79	6229088.70	102.45	T-CLOTHES	Photo Points surveyed (CAD layer "T-200821")	4204.05	4239.53
15779	284943.05	6229093.05	101.81	T-POST1		4191.32	4243.88
15780	284950.91	6229104.20	101.63	T-POST2		4199.18	4255.03
15781	284958.72	6229115.38	101.55	T-POST3		4206.98	4266.21
15782	284908.15	6229220.14	107.05	BEAM-PP		4156.41	4370.97
15783	284863.05	6228916.07	103.53	V07	Camera Position (ground level)	4111.31	4066.90
15785	284838.07	6228920.86	104.07	T-POST1	Photo Points surveyed (CAD layer "T-200821")	4086.33	4071.69
15786	284838.22	6228926.76	102.23	BASE-TREE		4086.49	4077.59
15787	284835.20	6228940.51	100.59	BASE-TREE2		4083.46	4091.34
15788	284851.19	6228960.93	100.99	T-POST2		4099.45	4111.76
15789	284679.99	6228755.13	113.89	V08	Camera Position (ground level)	3928.25	3905.96
15791	284709.25	6228798.51	110.28	BASE-TREE1	Photo Points surveyed (CAD layer "T-200821")	3957.51	3949.34
15792	284683.01	6228793.55	110.85	BASE-TREE2		3931.27	3944.38
15793	284655.83	6228792.32	111.72	BASE-TREE3		3904.09	3943.15
15794	284651.63	6228809.66	112.21	T-POST		3899.90	3960.49
15824	284675.99	6228805.91	111.43	T-POST2		3924.26	3956.74

APPENDIX B: JMD SURVEY OF CAMERA LOCATIONS AND ALIGNMENT POSITIONS

16080	284523.71	6228824.59	111.73	V09	Camera Position (ground level)	3771.97	3975.42
16082	284528.01	6228828.35	112.61	T-POST1	Photo Points surveyed (CAD layer "T-200821")	3776.27	3979.18
16083	284539.45	6228826.88	112.38	T-POST2		3787.71	3977.71
16084	284586.35	6228819.61	115.08	T-POST3		3834.61	3970.44
16085	284563.65	6228835.91	112.92	T-PICKET		3811.92	3986.74
12062	284544.53	6229142.12	89.70	V10	Camera Position (ground level)	3792.80	4292.95
12064	284547.79	6229141.67	90.74	CNR-SLPR	Photo Points surveyed (CAD layer "T-200821")	3796.05	4292.50
12065	284548.47	6229141.46	91.62	T-PICKET		3796.74	4292.29
12066	284547.94	6229138.80	91.97	CNTR-POST		3796.21	4289.63
12067	284583.07	6229151.50	91.37	F-TREE		3831.33	4302.33
15599	284891.54	6229125.19	107.56	T-PP		4139.80	4276.02
11996	284561.68	6229413.12	94.02	V11	Camera Position (ground level)	3809.95	4563.95
11998	284589.09	6229406.41	94.99	CNR-ELECBOX	Photo Points surveyed (CAD layer "T-200821")	3837.35	4557.24
11999	284571.46	6229407.92	95.35	TOP-FCE		3819.73	4558.75
12001	284564.45	6229409.02	94.99	TOP-FCE		3812.71	4559.85
12002	284571.77	6229407.00	99.05	TOP-POLE		3820.04	4557.83
12003	284580.69	6229377.64	94.04	TOP-CNR-SS		3828.95	4528.47