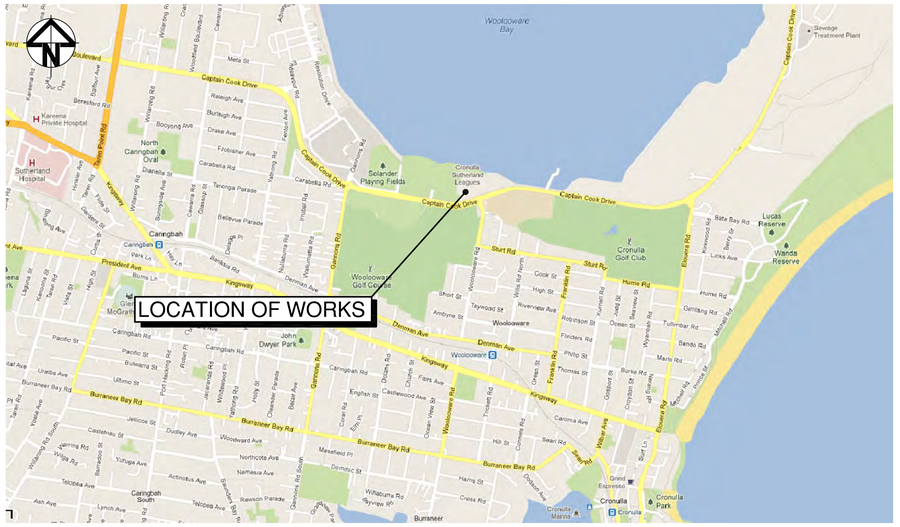
WOOLOOWARE BAY TOWN CENTRE DEVELOPMENT

CIVIL WORKS PACKAGE

DRAWING LIST



LOCALITY PLAN

N.T.S

Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13
P1	ISSUED FOR DRAFT REVIEW	18-01-13

Bar Scales

100mm on Original

Client

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales	NTS
Grid	
Height Datum	AHD
Drawn	MM
Designed	MM
Checked	AMcL
Approved	

Project

WOOLOOWARE BAY TOWN CENTRE

Title

COVER SHEET AND LOCALITY PLAN

Civil Engineers and Project Managers

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Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C001	11-59	A

F:\11-59 Shark Park\Drgs\Civil\Final\C001.dwg

SITEWORKS NOTES

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
7. ASPHALTIC CONCRETE SHALL CONFORM TO R.T.A. SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.T.A. FORM 3051 (UNBOUND), R.T.A. FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1
   FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m^3 OF BASECOURSE MATERIAL PLACED.
9. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.T.A. FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1
   FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m^3 OF SUB-BASE COURSE MATERIAL PLACED.
10. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH R.T.A. FORM 3051 AND 3051.1 WILL BE CONSIDERED, SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
11. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
12. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.

STORMWATER DRAINAGE NOTES

1. STORMWATER DESIGN CRITERIA:
   (A) AVERAGE RECURRENCE INTERVAL:
   1:100 YEARS ROOFED AREAS TO SURCHARGE PIT
   1:5 YEARS EXTERNAL PAVEMENTS
   (B) RAINFALL INTENSITIES:
   TIME OF CONCENTRATION: 5 MINUTES
   1:100 YEARS= 247 mm/hr
   1:5 YEARS= 128 mm/hr
   (C) RUNOFF COEFFICIENTS:
   ROOF AREAS: C_{100} =0.83
   EXTERNAL PAVEMENTS: C_5 =0.83
2. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '2' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
3. PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.
4. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
5. PIPES TO BE INSTALLED TO TYPE HS3 SUPPORT IN ACCORDANCE WITH AS 3725 (1989) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (1998) AND AS/NZS 3500 3.2 (1998).
7. PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY AT & L.
8. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
9. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
10. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
11. GRATES AND COVERS SHALL CONFORM TO AS 3996.
12. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
13. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.

KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa U.N.O IN REINFORCED CONCRETE NOTES.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E.J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5. BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
6. IN THE REPLACEMENT OF KERB AND GUTTER :-
   EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 600mm WIDE U.N.O.

   EXISTING ALLOTMENT DRAINAGE PIPES ARE TO BE BUILT INTO THE NEW KERB AND GUTTER WITH 100mm DIA HOLE.

   EXISTING KERB AND GUTTER IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTER IS SHOWN.

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY HARRISON FRIEDMANN, BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. AT & L DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT AT & L.

THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS.

1. COPYRIGHT This drawing and/or design is the property of Harrison Friedmann & Associates Pty Ltd and should not be reproduced in part or whole without the written permission of the company.
2. Bearings, distances and areas of boundaries are from the Land and Property Management Authority records only. They are on Map Grid of Australia. If accurate True North is required a further survey would be necessary.
3. Relationship of improvements to boundaries is diagrammatic only. Boundary fences and retaining walls have not been accurately located and may not be shown on this plan.DO NOT SCALE OFF THIS PLAN. Where offsets from improvements, fences or walls to boundaries are critical for future building design and construction they MUST be confirmed by a further boundary survey. This survey has not investigated any subterranean structures.
4. The services information shown on this plan have been determined from visual inspection only and information provided by the relevant authorities through "Dial before you dig" . It is passed on with the understanding that no excavation or works will be commenced without a current services search of all services being obtained from "Dial before you dig" (DBYD) (phone 1100 or fax 1300 652 077) or from any individual service provider. Note that not all services providers are members of DBYD.
5. The location of Sydney Water's Sewer Main has been plotted approximately, based on visible maintenance holes and information from Sydney Water. This information can not be relied on. Any construction near Sydney Water Mains requires further investigation, a Service Protection Report (sewer pegout) and approval from Sydney Water.
6. The locations of spot levels are diagrammatic only. They are accurate to ± 0.3m in relation to boundaries. Levels critical to design, excavation or construction must be verified. If contours are shown they depict the topography rather than represent the exact level at any particular point. Care should be taken if extrapolating levels or contours.
7. The spread of the crown of the trees shown on this plan is diagrammatic only, based on the average spread observed in the field. Prior to any development proposal which might be affected by trees it is recommended that the tree spreads be verified by field inspection.
8. Australian Height Datum was established from P.M. 31619 R.L. 1.279 located at the intersection of Captain Cook Drive & Woolooware Road Woolooware . Datum source obtained from S.C.I.M.S. 22/06/2011.
9. The plan has been compiled from field survey information and Plans prepared by Rygate & Company Pty Ltd and Johnathan C. Keen & Co. Pty Ltd

BULK EARTHWORKS NOTES

1. ORIGIN OF LEVELS: REFER SURVEY NOTES
2. STRIP ALL TOPSOIL/ORGANIC MATERIAL FROM CONSTRUCTION AREA AND REMOVE FROM SITE OR STOCK PILE AS DIRECTED BY SUPERINTENDENT.
3. EXCAVATED MATERIAL TO BE USED AS STRUCTURAL FILL PROVIDED THE PLACEMENT MOISTURE CONTENT OF THE MATERIAL IS +/- 2% OF THE OPTIMUM MOISTURE CONTENT.
4. COMPACT FILL AREAS AND SUBGRADE TO NOT LESS THAN:

LOCATION	STANDARD DRY DENSITY (AS 1289 E 5.1.1)
UNDER BUILDING SLABS ON GROUND	98%
UNDER ROADS AND CARPARKS	98%
LANDSCAPED AREAS UNLESS NOTED OTHERWISE	98%

5. FOR NON COHESIVE MATERIAL, COMPACT TO 75% DENSITY INDEX.
6. BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH AN 8 TONNE (MIN) DEADWEIGHT SMOOTH DRUM VIBRATORY ROLLER TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER).
7. FREQUENCY OF COMPACTION TESTING SHALL BE NOT LESS THAN :-
   (A) 1 TEST PER 200m^3 OF FILL PLACED PER 300 LAYER OF FILL.
   (B) 3 TESTS PER VISIT
   (C) 1 TEST PER 1000m^2 OF EXPOSED SUBGRADE
   TESTING SHALL BE "LEVEL 1" TESTING IN ACCORDANCE WITH AS 3798 (1996).
8. FILLING TO BE PLACED AND COMPACTED IN MAXIMUM 150mm LAYERS
9. NO FILLING SHALL TAKE PLACE TO EXPOSE SUBGRADE UNTIL THE AREA HAS BEEN PROOF ROLLED IN THE PRESENCE OF AT & L AND APPROVAL GIVEN IN WRITING THAT FILLING CAN PROCEED.

WORKS LEGEND

EXISTING

- +213.00 — SURFACE LEVEL
- 213.0 — CONTOUR
- FENCE
- TREE

PROPOSED

- PROPOSED BOUNDARY
- 213.0 — PROPOSED CONTOUR
- SAWCUT — PAVEMENT SAWCUT
- K&G — KERB AND GUTTER
- KO — KERB ONLY
- DD — DISH DRAIN
- VC — VEHICLE CROSSING
- PR — PRAM RAMP
- STORMWATER PIT WITH GRATE AND LINE
- STORMWATER LINE WITH CAP
- A\1 — STORMWATER PIT REFERENCE NUMBER
- KERB INLET PIT
- KERB INLET PIT (SAG)
- JUNCTION PIT WITH INFILL
- SURFACE INLET PIT WITH INFILL
- HEADWALL
- OPEN SWALE DRAIN
- SUBSOIL DRAINAGE LINE
- FP — FLUSHING POINT
- IR — INTERMEDIATE RISER
- 52 — CO-ORDINATE SETOUT POINT
- SINGLE LIGHT POLE
- DOUBLE LIGHT POLE
- SIGN BOARD
- ROAD NAME SIGN

SERVICES LEGEND

EXISTING SERVICES

- E — ELECTRICAL
- OHE — OVERHEAD ELECTRICAL
- G — GAS
- T — TELSTRA
- RW — RECYCLED WATER
- W — WATER
- S — SEWER
- MH — SEWER MANHOLE
- SW — STORMWATER
- PP — POWER POLE
- LP — LIGHT POLE

PROPOSED SERVICES

- E — ELECTRICAL
- OHE — ELECTRICAL OVERHEAD
- LV — HIGH VOLTAGE
- HV — LOW VOLTAGE
- G — GAS
- T — TELSTRA
- W — WATER
- S — SEWER
- SEWER MANHOLE
- ROAD SERVICE CROSSING
- LIGHT POLE
- ELECTRICITY PIT
- TELSTRA PIT

Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13
P1	ISSUED FOR DRAFT REVIEW	18-01-13

Bar Scales

100mm on Original

Client: BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales
Grid
Height Datum AHD

Drawn	MM
Designed	MM
Checked	AMcL
Approved	

Project: WOOLOOWARE BAY TOWN CENTRE

Title: NOTES AND LEGENDS

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Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C002	11-59	A

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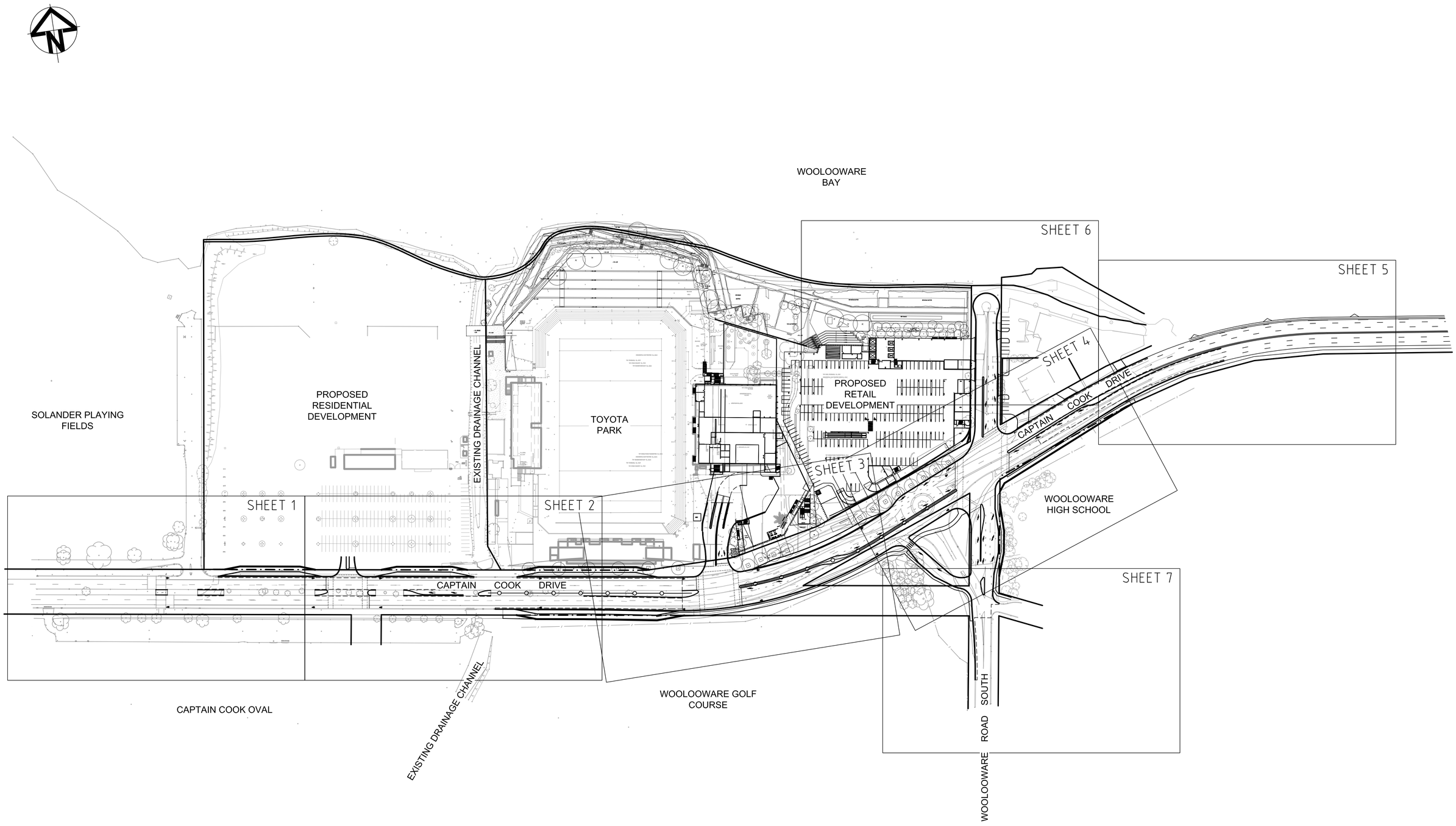

Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13
P1	ISSUED FOR DRAFT REVIEW	18-01-13

100mm on Original

Bar Scales

0 25 50 75 100 125m

1 : 1250

Client

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales	1 : 1250
Grid	MGA
Height Datum	AHD
Drawn	MM
Designed	MM
Checked	AMcL
Approved	

Project

WOOLOOWARE BAY TOWN CENTRE

Title

GENERAL ARRANGEMENT PLAN

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A1

Drawing No.	Project No.	Issue
C005	11-59	A

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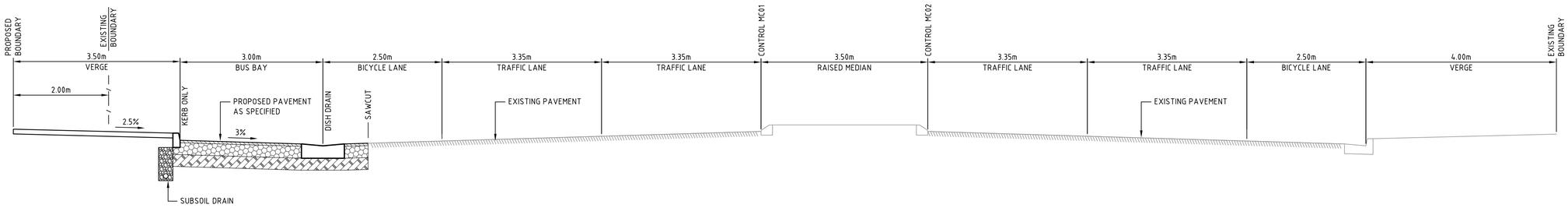
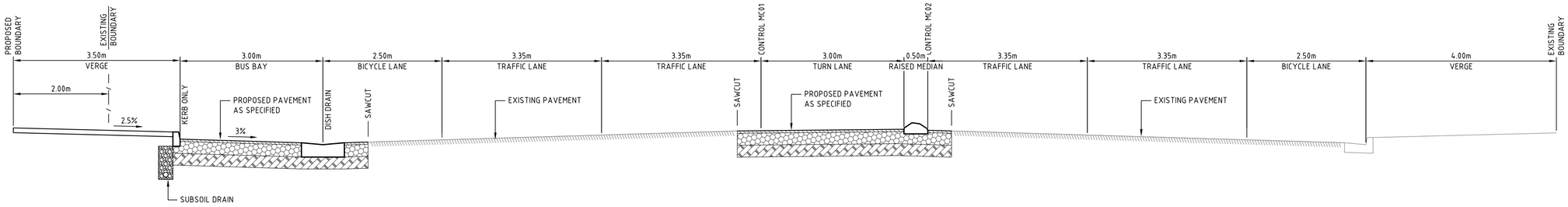


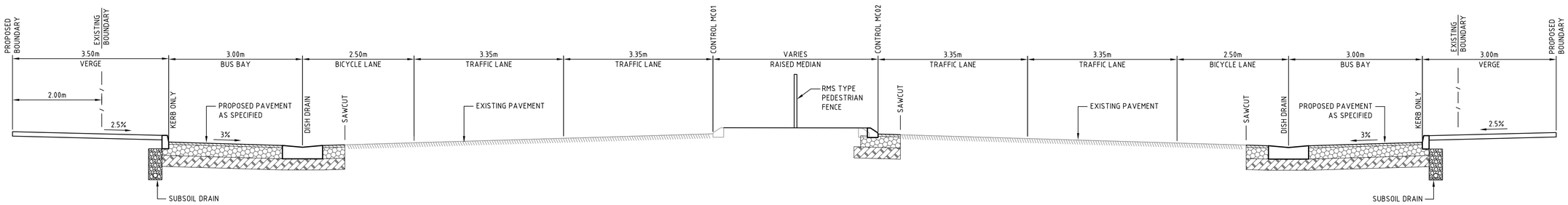
TYPICAL SECTION - CAPTAIN COOK DRIVE

SECTION 1 / C010
1 : 50



TYPICAL SECTION - CAPTAIN COOK DRIVE

SECTION 2 / C011
1 : 50



TYPICAL SECTION - CAPTAIN COOK DRIVE

SECTION 3 / C011
1 : 50

Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13
P1	ISSUED FOR DRAFT REVIEW	18-01-13

100mm on Original

Bar Scales

0 1 2 3 4 5m

1 : 50

Client

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales 1 : 50
Grid -
Height Datum AHD

Drawn MM
Designed MM
Checked AMcL
Approved

Project

WOOLOOWARE BAY TOWN CENTRE

Title

TYPICAL ROAD SECTIONS SHEET 1 OF 3

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Status FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C006	11-59	A

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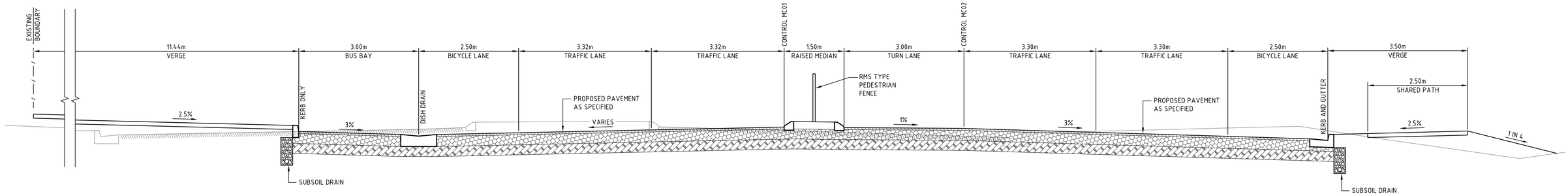
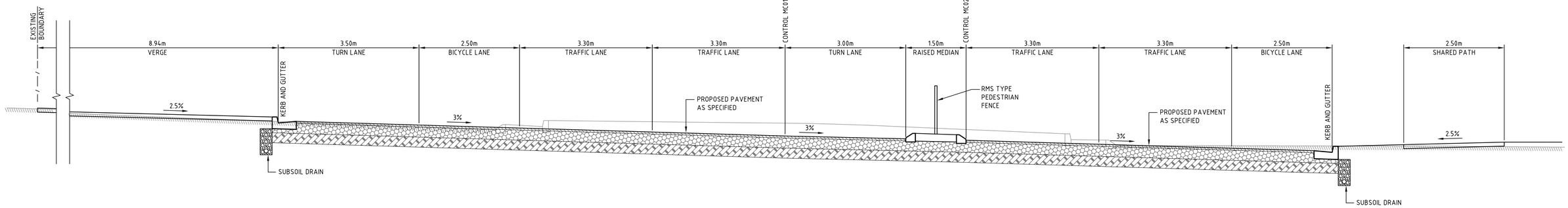


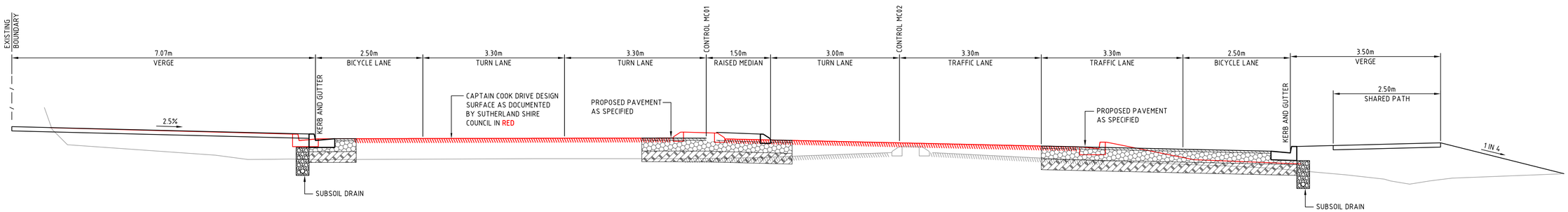
TYPICAL SECTION - CAPTAIN COOK DRIVE

SECTION 4 (C012)
1 : 50



TYPICAL SECTION - CAPTAIN COOK DRIVE

SECTION 5 (C013)
1 : 50



TYPICAL SECTION - CAPTAIN COOK DRIVE

SECTION 6 (C013)
1 : 50

Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13

100mm on Original

Bar Scales

0 1 2 3 4 5m

1 : 50

Client

BLUESTONE

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales	1 : 50
Grid	-
Height Datum	AHD
Drawn	MM
Designed	MM
Checked	AMcL
Approved	

Project

WOOLOOWARE BAY TOWN CENTRE

Title

TYPICAL ROAD SECTIONS SHEET 2 OF 3

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Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C007	11-59	A

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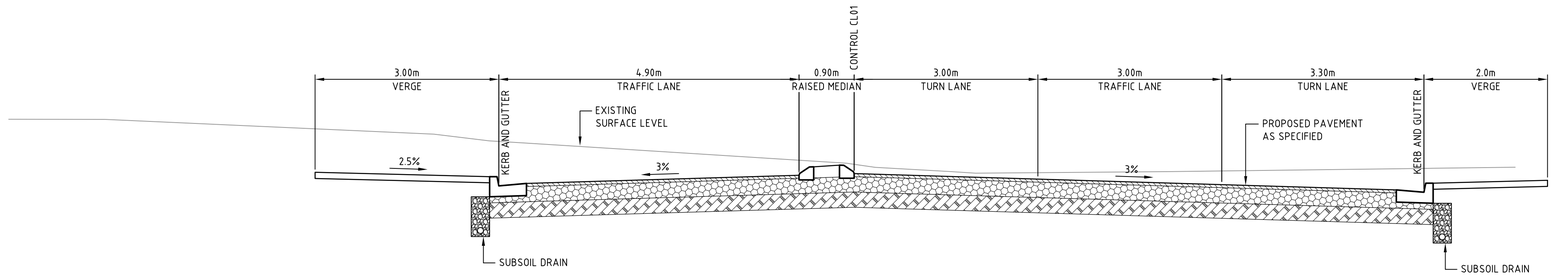
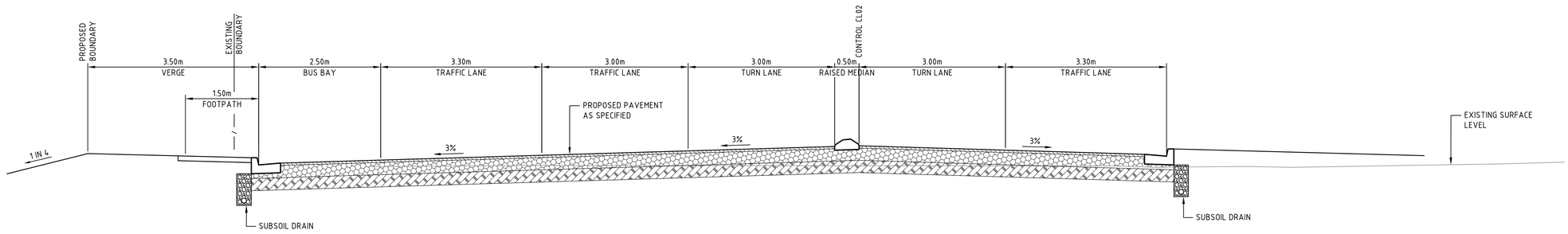


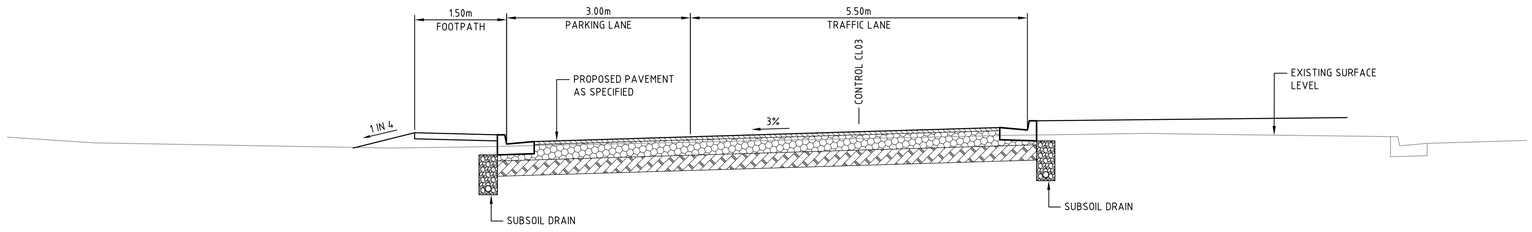
TYPICAL SECTION - WOOLOOMARE ROAD NORTH

SECTION 7 C013
1 : 50



TYPICAL SECTION - WOOLOOMARE ROAD SOUTH

SECTION 8 C013
1 : 50



TYPICAL SECTION - SLIP ROAD

SECTION 9 C013
1 : 50

Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13

Bar Scales

0 1 2 3 4 5m

1 : 50

Client

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales	1 : 50	Drawn	MM
		Designed	MM
Grid	-	Checked	AMcL
Height Datum	AHD	Approved	

Project

WOOLOOWARE BAY TOWN CENTRE

Title

TYPICAL ROAD SECTIONS SHEET 3 OF 3

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Status: FOR APPROVAL
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A1

Drawing No.	Project No.	Issue
C008	11-59	A

100mm on Original

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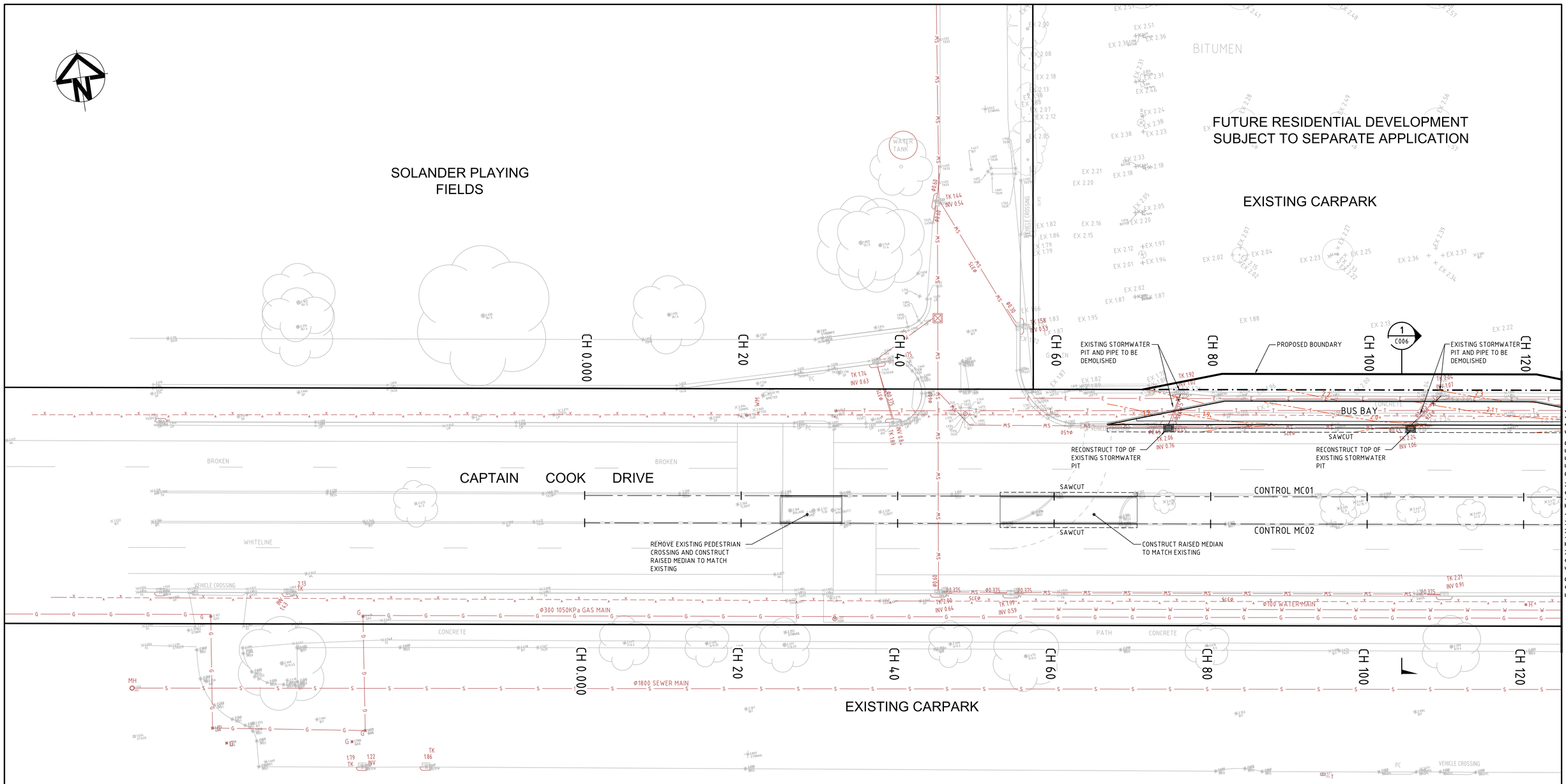

Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13
P1	ISSUED FOR DRAFT REVIEW	18-01-13

Bar Scales

0 5 10 15 20 25m

1 : 250

Client

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales	1 : 250
Grid	MGA
Height Datum	AHD
Drawn	MM
Designed	MM
Checked	AMcL
Approved	

Project

WOOLOOWARE BAY TOWN CENTRE

Title

ROADWORKS AND STORMWATER DRAINAGE PLAN
SHEET 1 OF 7

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Status: FOR APPROVAL
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A1

Drawing No.	Project No.	Issue
C010	11-59	A

100mm on Original

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FUTURE RESIDENTIAL DEVELOPMENT
SUBJECT TO SEPARATE APPLICATION

EXISTING CARPARK

PROPOSED ACCESS ROAD
SUBJECT TO SEPARATE
APPLICATION

EXISTING DRAINAGE CHANNEL

TOYOTA
PARK

CAPTAIN COOK DRIVE

BUS BAY

CONTROL MC01

CONTROL MC02

PROPOSED
PEDESTRIAN FENCE

CONNECT TO EXISTING
STORMWATER PIT

RECONSTRUCT TOP OF
EXISTING STORMWATER
PIT

PROPOSED BOUNDARY

LIMIT OF WORKS

CONTROL CL05

CH 0.000
CH 20
CH 40
CH 140
CH 160
CH 180
CH 200
CH 220
CH 240
CH 260
CH 280
CH 300
CH 320

TC 311.679

EXISTING CARPARK

CAPTAIN COOK
OVAL

WOOLOOWARE
GOLF COURSE

EXISTING DRAINAGE CHANNEL

FOR CONTINUATION REFER C010

FOR CONTINUATION REFER C012

Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13
P1	ISSUED FOR DRAFT REVIEW	18-01-13

Bar Scales

0 5 10 15 20 25m

1 : 250

100mm on Original

Client

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales	1 : 250
Grid	MGA
Height Datum	AHD
Drawn	MM
Designed	MM
Checked	AMcL
Approved	

Project

WOOLOOWARE BAY
TOWN CENTRE

Title

ROADWORKS AND
STORMWATER DRAINAGE
PLAN
SHEET 2 OF 7

Civil Engineers and Project Managers
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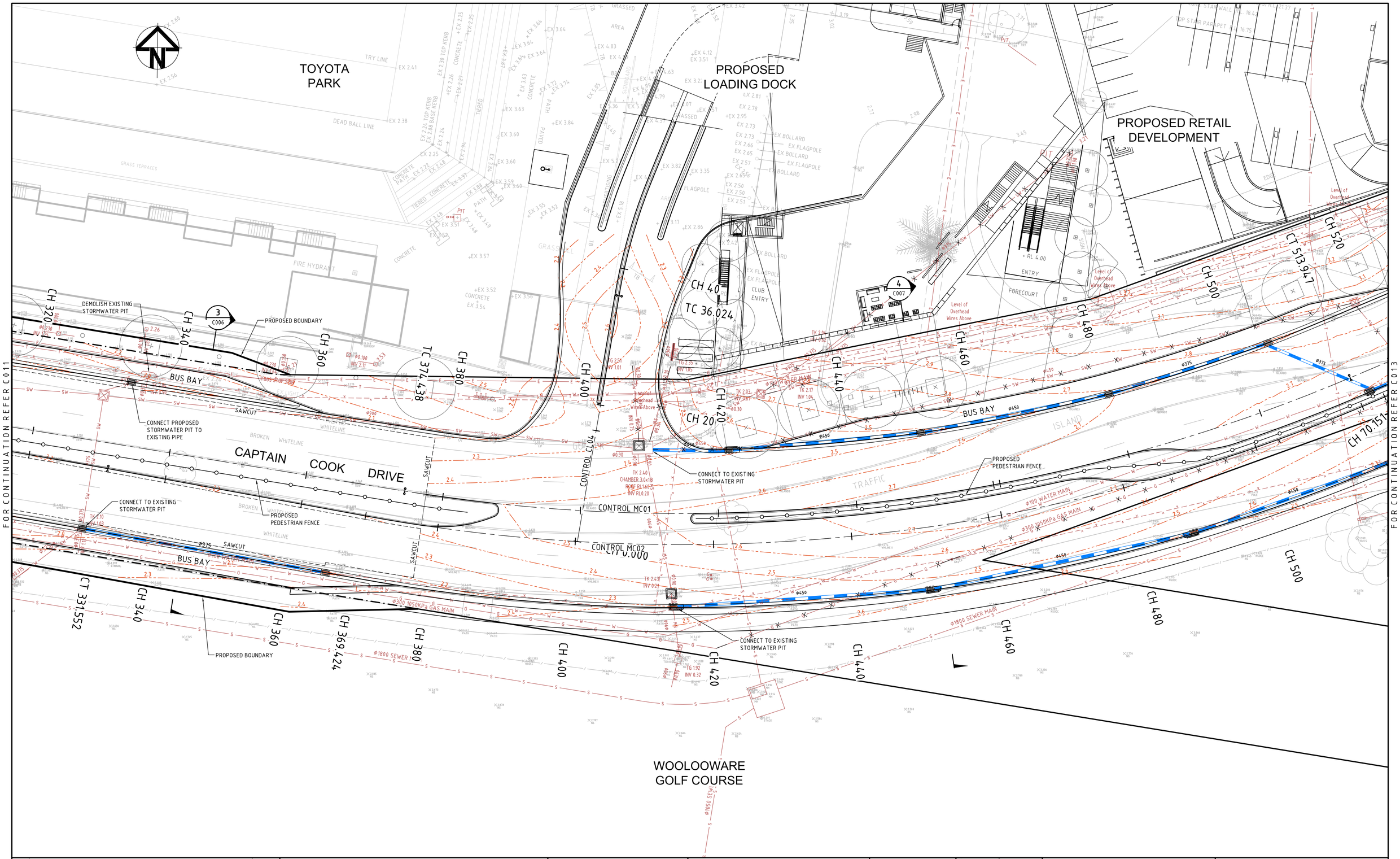
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C011	11-59	A

F:\11-59 Shark Park\Drgs\Civil\Final\C011.dwg



FOR CONTINUATION REFER C011

FOR CONTINUATION REFER C013

Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13
P1	ISSUED FOR DRAFT REVIEW	18-01-13

Bar Scales

0 5 10 15 20 25m

1 : 250

100mm on Original

Client

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales	1 : 250
Grid	MGA
Height Datum	AHD
Drawn	MM
Designed	MM
Checked	AMcL
Approved	

Project

WOOLOOWARE BAY TOWN CENTRE

Title

ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 3 OF 7

Civil Engineers and Project Managers

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A1

Drawing No.	Project No.	Issue
C012	11-59	A

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FOR CONTINUATION REFER C015

FOR CONTINUATION REFER C012

FOR CONTINUATION REFER C014

PROPOSED RETAIL DEVELOPMENT

EXISTING SERVICE STATION

WOOLOOWARE HIGH SCHOOL

WOOLOOWARE ROAD NORTH

WOOLOOWARE ROAD SOUTH

CAPTAIN COOK DRIVE

SLIP ROAD

BUS BAY

PROPOSED BOUNDARY

EXISTING BOUNDARY

CONNECT TO EXISTING STORMWATER PIPE

EXISTING STORMWATER PIT AND PIPES TO BE DEMOLISHED TYPICAL

RECONSTRUCT EXISTING DRIVEWAY AND SMOOTHLY MATCH INTO EXISITNG AT BOUNDARY

PROPOSED PEDESTRIAN FENCE

EXISTING ROAD PAVEMENT AND KERBS TO BE DEMOLISHED

CONTROL MC01

CONTROL MC02

CONTROL CL01

CONTROL CL02

CONTROL CL03

CH 0.000

CH 20

CH 40

CH 60

CH 70.151

CH 516.484

CT 513.947

CT 23.740

TC 67.219

C 64.615

C 12.253

CH 520

CH 540

CH 560

CH 580

CH 600

CH 620

CH 640

CH 652.253

CH 660

CH 680

CH 694.818

CH 700

Ø375 WATER MAIN

Ø150 WATER MAIN

Ø1800 SEWER MAIN

Ø300 SEWER MAIN

Ø300 1050KPa GAS MAIN

Ø10 GAS MAIN

FOR CONTINUATION REFER C016

Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13
P1	ISSUED FOR DRAFT REVIEW	18-01-13

Bar Scales

0 5 10 15 20 25m

1 : 250

100mm on Original

Client

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales 1 : 250

Grid MGA

Height Datum AHD

Drawn	MM
Designed	MM
Checked	AMcL
Approved	

Project

WOOLOOWARE BAY TOWN CENTRE

Title

ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 4 OF 7

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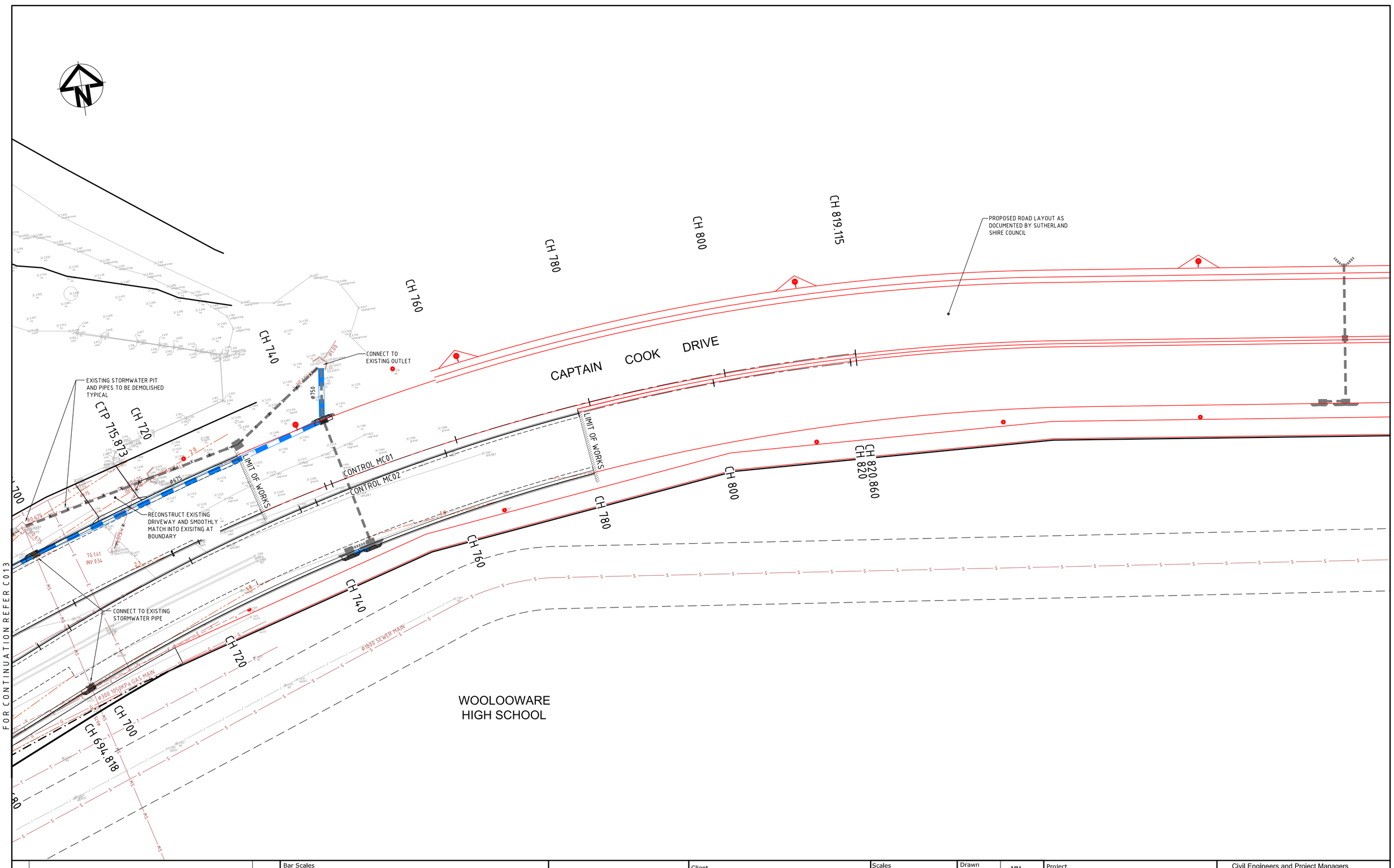
A1

Drawing No.	Project No.	Issue
C013	11-59	A

F:\11-59 Shark Park\Drgs\Civil\Final\C013.dwg



Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13
P1	ISSUED FOR DRAFT REVIEW	18-01-13

100mm on Original

Bar Scales

0 5 10 15 20 25m

1 : 250

Client

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales	1 : 250	Drawn	MM
		Designed	MM
Grid	MGA	Checked	AMcL
Height Datum	AHD	Approved	

Project

WOOLOOWARE BAY TOWN CENTRE

Title

ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 5 OF 7

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A1

Drawing No.	Project No.	Issue
C014	11-59	A

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TIMBER WALKWAY

WOOLOOWARE BAY

BOTTOM OF BANK

LINE OF MANGROVES (TRUNKS)

TRANSMISSION WIRES

WIDE

OF

RIPARIAN BUFFER

BITUMEN

RIPARIAN BUFFER

3.02+ RL 3.50

PROPOSED BIO-SWALE

SWAMP OAK FLOOD PLAIN FOREST

PLANTED BANK

TOW 4.00

PROPOSED LOADING DOCK

CONNECTION TO BUILDING ON-SITE DETENTION TANK

BITUMEN

PROPOSED RETAIL DEVELOPMENT

TOP CONC. STAIRWALL R.L. 19.11

ORNAMENTAL ROOF FEATURE (NIBS) R.L. 21.40

PROPOSED CARPARK ENTRY

(J114966)

CH 107.319

CH 100

EXISTING FITNESS FIRST

CT 92.010

CONTROL CL01

WOOLOOWARE ROAD NORTH

CH 80

CTP 78.313

TC 64.615

CH 60

CH 680

CH 660

CH 652

TG 1.66
WEST INLET INV 0.35
SOUTH INLET INV 0.35
OUTLET INV 0.20

Level of Overhead Wires Above

FOR CONTINUATION REFER C013

Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13
P1	ISSUED FOR DRAFT REVIEW	18-01-13

Bar Scales

0 5 10 15 20 25m

1 : 250

100mm on Original

Client

BLUESTONE

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales	1 : 250	Drawn	MM
		Designed	MM
Grid	MGA	Checked	AMcL
Height Datum	AHD	Approved	

Project

WOOLOOWARE BAY TOWN CENTRE

Title

ROADWORKS AND STORMWATER DRAINAGE PLAN
SHEET 6 OF 7

Civil Engineers and Project Managers
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A1

Drawing No.	Project No.	Issue
C015	11-59	A

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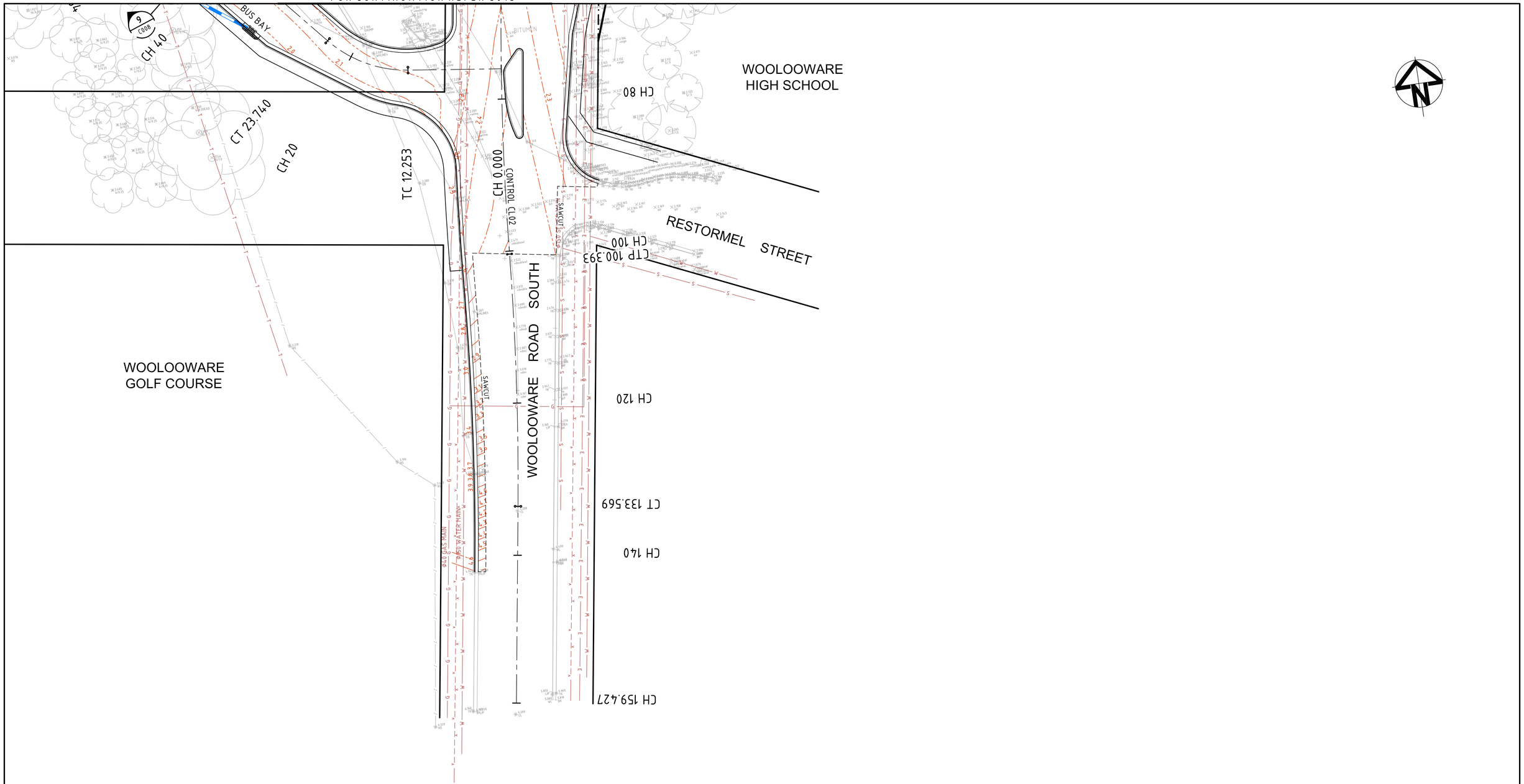
FOR CONTINUATION REFER C013



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A	ISSUED FOR PROJECT APPLICATION	29-01-13
P1	ISSUED FOR DRAFT REVIEW	18-01-13

100mm on Original

Bar Scales

0 5 10 15 20 25m

1 : 250

Client

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales	1 : 250
Grid	MGA
Height Datum	AHD
Drawn	MM
Designed	MM
Checked	AMcL
Approved	

Project

WOOLOOWARE BAY TOWN CENTRE

Title

ROADWORKS AND STORMWATER DRAINAGE PLAN
SHEET 7 OF 7

Civil Engineers and Project Managers
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Drawing No.	Project No.	Issue
C016	11-59	A

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FUTURE RESIDENTIAL DEVELOPMENT SUBJECT TO SEPARATE APPLICATION

FUTURE RESIDENTIAL DEVELOPMENT SUBJECT TO SEPARATE APPLICATION

PROPOSED ACCESS ROAD SUBJECT TO SEPARATE APPLICATION

EXISTING DRAINAGE CHANNEL

SOLANDER PLAYING FIELDS

EXISTING CARPARK

EXISTING CARPARK

LIMIT OF WORKS

CAPTAIN COOK DRIVE

EXISTING CARPARK

PROPOSED SIGNALISED INTERSECTION

SMOOTHLY CONNECT TO EXISTING FOOTPATH

CAPTAIN COOK OVAL

EXISTING DRAINAGE CHANNEL

PAVEMENT SCHEDULE

- NEW ROAD PAVEMENT — PROPOSED FLEXIBLE ROAD PAVEMENT
- RAISED MEDIAN — CONCRETE IN-FILLED
- HARD LANDSCAPING\FOOTWAY — AS PER ARCHITECTS DETAILS
- CONCRETE FOOTPATH — AS PER COUNCIL STANDARDS
- LANDSCAPING — AS PER LANDSCAPE ARCHITECTS DETAILS

FOR CONTINUATION REFER C081

Issue	Description	Date
A	ISSUED FOR PROJECT APPLICATION	29-01-13
P1	ISSUED FOR DRAFT REVIEW	18-01-13

100mm on Original

Bar Scales

0 10 20 30 40m

1 : 400

Client

BLUESTONE CAPITAL VENTURES NO.1 PTY LTD

Scales 1 : 400

Grid MGA

Height Datum AHD

Drawn	MM
Designed	MM
Checked	AMcL
Approved	

Project

WOOLOOWARE BAY TOWN CENTRE

Title

PAVEMENT, SIGNAGE AND LINEMARKING PLAN SHEET 1 OF 3

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A1

Drawing No.	Project No.	Issue
C080	11-59	A

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