

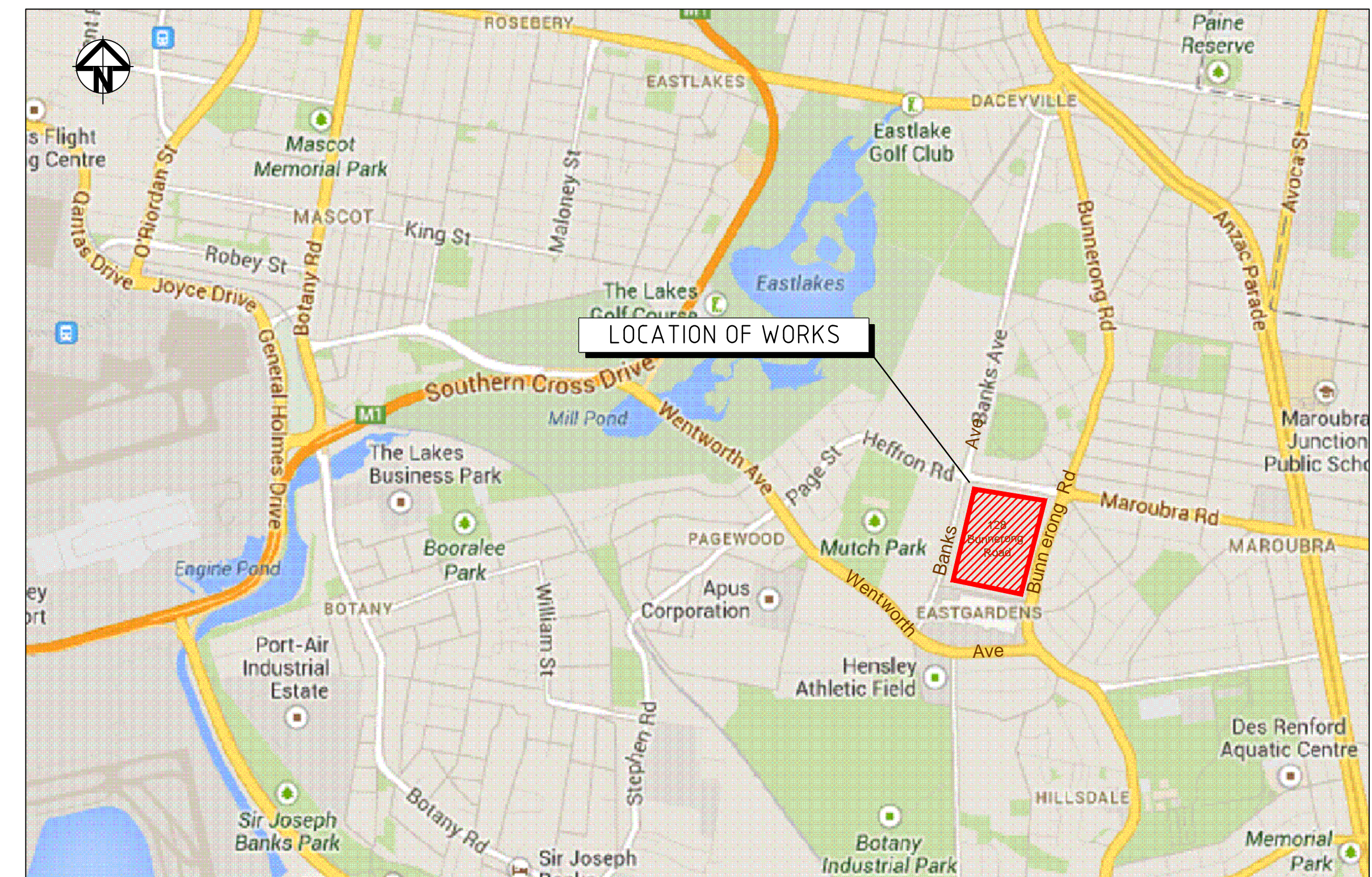
130-150 BUNNERONG ROAD, PAGEWOOD

CIVIL WORKS ROAD PACKAGE

STAGE 2

DRAWING LIST

DAC1201	COVER SHEET LOCALITY PLAN
DAC1202	NOTES AND LEGENDS
DAC1203	GENERAL ARRANGEMENT PLAN
DAC1205	TYPICAL SECTIONS
DAC1210	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 1
DAC1211	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 2
DAC1212	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 3
DAC1213	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 4
DAC1215	SITWORKS DETAILS
DAC1220	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1
DAC1221	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 2
DAC1222	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 3
DAC1223	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 4
DAC1224	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 5
DAC1225	STORMWATER DRAINAGE CATCHMENT PLAN
DAC1227	STORMWATER DRAINAGE DETAILS
DAC1230	SIGNAGE AND LINEMARKING PLAN
DAC1240	PAVEMENT PLAN
DAC1250	ROAD LONGITUDINAL SECTIONS SHEET 1
DAC1251	ROAD LONGITUDINAL SECTIONS SHEET 2
DAC1255	ROAD CROSS SECTIONS NORTH SOUTH STREET No. 1 (NS01) SHEET 1
DAC1256	ROAD CROSS SECTIONS NORTH SOUTH STREET No. 2 (NS02) SHEET 2
DAC1257	ROAD CROSS SECTIONS LOCAL STREET (ML01) SHEET 3
DAC1258	ROAD CROSS SECTIONS LOCAL STREET (ML02) SHEET 4
DAC1259	ROAD CROSS SECTIONS LOCAL STREET (ML03) SHEET 5
DAC1260	EROSION AND SEDIMENTATION CONTROL PLAN
DAC1261	EROSION AND SEDIMENTATION CONTROL DETAILS
DAC1275	VEHICLE TURN PATHS GENERAL ARRANGEMENT PLAN
DAC1276	VEHICLE TURN PATH PLAN



LOCALITY PLAN
N.T.S

			Bar Scales	<p>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L</p>	<p>Client</p> <div><p>KARIMBLA CONSTRUCTION SERVICES (NSW) PTY LIMITED</p><p>Level 11, 528 Kent Street, Sydney NSW 2000 Tel: (02) 9287 2888 Fax: (02) 9287 2777 Email: info@design.meriton.com.au Internet: http://www.meriton.com.au</p></div>	<table><tr><td>Scale</td><td>Drawn</td><td>QD</td></tr><tr><td></td><td>Designed</td><td>FX & QD</td></tr><tr><td>Grid</td><td>MGA</td><td>Checked</td><td>MG</td></tr><tr><td>Height</td><td>AHD</td><td>Approved</td><td></td></tr><tr><td>Datum</td><td colspan="3"></td></tr></table>	Scale	Drawn	QD		Designed	FX & QD	Grid	MGA	Checked	MG	Height	AHD	Approved		Datum				<table><tr><td>Project</td><td>130-150 BUNNERONG ROAD PAGEWOOD STAGE 2</td></tr><tr><td>Title</td><td>COVER SHEET LOCALITY PLAN</td></tr></table>	Project	130-150 BUNNERONG ROAD PAGEWOOD STAGE 2	Title	COVER SHEET LOCALITY PLAN	<p>Civil Engineers and Project Managers</p> <div><p>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</p></div> <table><tr><td>Status</td><td>FOR TENDER</td><td>A1</td></tr><tr><td colspan="3">NOT TO BE USED FOR CONSTRUCTION</td></tr><tr><td>Drawing No.</td><td>Project No.</td><td>Issue</td></tr><tr><td>DAC1201</td><td>13-155</td><td>C</td></tr></table>	Status	FOR TENDER	A1	NOT TO BE USED FOR CONSTRUCTION			Drawing No.	Project No.	Issue	DAC1201	13-155	C
Scale	Drawn	QD																																								
	Designed	FX & QD																																								
Grid	MGA	Checked					MG																																			
Height	AHD	Approved																																								
Datum																																										
Project	130-150 BUNNERONG ROAD PAGEWOOD STAGE 2																																									
Title	COVER SHEET LOCALITY PLAN																																									
Status	FOR TENDER	A1																																								
NOT TO BE USED FOR CONSTRUCTION																																										
Drawing No.	Project No.	Issue																																								
DAC1201	13-155	C																																								
C	ISSUED FOR TENDER	04-03-20																																								
B	ISSUED FOR PRICING	29-01-20																																								
A	ISSUED FOR APPROVAL	02-10-19																																								
Issue	Description	Date																																								

SITWORKS NOTES

- ORIGIN OF LEVELS:- REFER SURVEY NOTES.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
- MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
- ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
- 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)
- PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
- ASPHALTIC CONCRETE SHALL CONFORM TO R.M.S. SPECIFICATION R116.
- ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.T.A. FORM 3051 (UNBOUND), R.M.S. 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 50m² OF BASECOURSE MATERIAL PLACED.
- ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL. COMPLYING WITH R.M.S. FORM 3051 AND 30511 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
- 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.
- 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

- STORMWATER DESIGN CRITERIA:
(A) AVERAGE RECURRENCE INTERVAL:
1100 YEARS ROOFED AREAS TO SURCHARGE PIT
120 YEARS EXTERNAL PAVEMENTS
(B) RAINFALL INTENSITIES:
TIME OF CONCENTRATION: 5 MINUTES
1100 YEARS = 268.5 mm/hr
120 YEARS = 209.6 mm/hr
(C) RUNOFF COEFFICIENTS:
ROOF AREAS: $C_{100} = 1.0$
EXTERNAL PAVEMENTS: $C_{20} = 0.5$
- PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
- PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.
- EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED.
- 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.
- PIPES TO BE INSTALLED TO TYPE H53 (ROAD) H52 (LOTS) 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)
- 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).
- PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY AT & L.
- ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
- WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
- CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
- GRATES AND COVERS SHALL CONFORM TO AS 3996.
- ALL INTERNAL PIT DIMENSIONS TO CONFORM TO AS3500.3 TABLE 8.2.
- AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
- 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

- ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa U.N.O IN REINFORCED CONCRETE NOTES.
- 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).
- 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.
- 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.
- BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
- 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 HAVE BEEN COMPILED FROM FIELD SURVEY INFORMATION BY DENNY LINKER & CO, AND WORK AS EXECUTED PLANS PREPARED BY TOTAL SURVEY SOLUTIONS PTY LTD

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY DENNY LINKER & CO, BEING REGISTERED SURVEYORS. ADDITIONALLY, WORKS AS EXECUTED LEVELS FOR EAST WEST BOULEVARD KERB HAS BEEN PROVIDED BY TOTAL SURVEY SOLUTIONS PTY LTD. 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.

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.

GENERAL NOTES

- ORIGIN OF LEVELS PM 29713 RL 20.46 (AHD)
- BEARINGS ARE ON M.G.A. NORTH
- RELATIONSHIP OF IMPROVEMENTS AND DETAIL TO BOUNDARIES IS DIAGRAMMATIC ONLY AND SPECIFIC DETAILS, IF CRITICAL, WILL REQUIRE FURTHER SURVEY.
- NO SERVICES OR UNDERGROUND SERVICES SEARCH HAS BEEN UNDERTAKEN. SERVICES SHOWN ARE BASED ON VISIBLE SURFACE INDICATORS EVIDENT AT THE DATE OF SURVEY & ARE CHARTED AS A GUIDE TO THE POSITION & NATURE OF THE SERVICE. ALL SERVICE AUTHORITIES SHOULD BE CONTACTED PRIOR TO ANY DEVELOPMENT.
- RIDGE, EAVE & GUTTER HEIGHTS HAVE BEEN OBTAINED BY AN INDIRECT METHOD AND ARE ACCURATE FOR PLANNING PURPOSES ONLY AND SPECIFIC DETAILS, IF CRITICAL, WILL REQUIRE FURTHER SURVEY.
- ADJOINING BUILDINGS AND DWELLINGS HAVE BEEN PLOTTED FOR DIAGRAMMATIC PURPOSES ONLY AND SPECIFIC DETAILS, IF REQUIRED, WILL REQUIRE FURTHER SURVEY.
- THE SPREAD & HEIGHT OF EACH TREE IS INDICATIVE ONLY AND SPECIFIC DETAILS, IF REQUIRED, WILL REQUIRE FURTHER SURVEY.
- CONTOURS ARE AN INDICATION OF THE TOPOGRAPHY ONLY. SPOT LEVELS SHOULD BE USED IF DETAILED DESIGN IS TO BE UNDERTAKEN.
- CONTOUR INTERVAL 0.5 METRE

BULK EARTHWORKS NOTES

- ORIGIN OF LEVELS: REFER SURVEY NOTES
- STRIP ALL TOPSOIL/ORGANIC MATERIAL FROM CONSTRUCTION AREA AND REMOVE FROM SITE OR STOCK PILE AS DIRECTED BY SUPERINTENDENT.
- EXCAVATED MATERIAL TO BE USED AS STRUCTURAL FILL PROVIDED THE PLACEMENT MOISTURE CONTENT OF THE MATERIAL IS +/- 2% OF THE OPTIMUM MOISTURE CONTENT.
- 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%
- FOR NON COHESIVE MATERIAL, COMPACT TO 75% DENSITY INDEX.
- 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).
- FREQUENCY OF COMPACTION TESTING SHALL BE NOT LESS THAN:-
(A) 1 TEST PER 200m² OF FILL PLACED PER 300 LAYER OF FILL.
(B) 3 TESTS PER VISIT
(C) 1 TEST PER 1000m² OF EXPOSED SUBGRADE
TESTING SHALL BE "LEVEL 1" TESTING IN ACCORDANCE WITH AS 3798 (1996).
- FILLING TO BE PLACED AND COMPACTED IN MAXIMUM 150mm LAYERS
- 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.

CONCRETE NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- CONCRETE QUALITY
ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 F/c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS, AND PITS	25	80	20

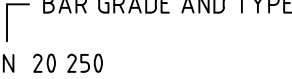
- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.


- NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
- CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.

- ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.

- THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.T.A. SPECIFICATION R83.

- REINFORCEMENT SYMBOLS:
N DENOTES GRADE 450 N BARS TO AS 1302 GRADE N
N DENOTES 230 R HOT ROLLED PLAIN BARS TO AS 1302
SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS 1304

NUMBER OF BARS IN GROUP  BAR GRADE AND TYPE

NOMINAL BAR SIZE IN mm  SPACING IN mm

THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS 1304.

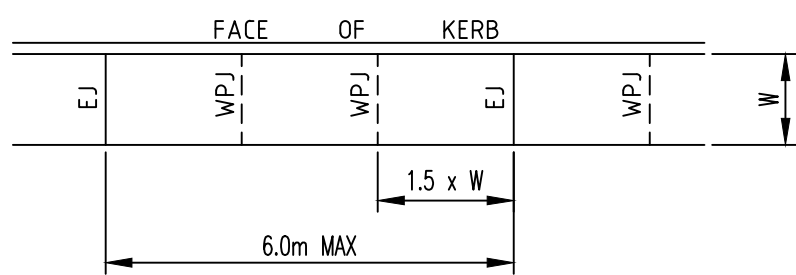
- FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



JOINTING NOTES

PEDESTRIAN PAVEMENT JOINTS

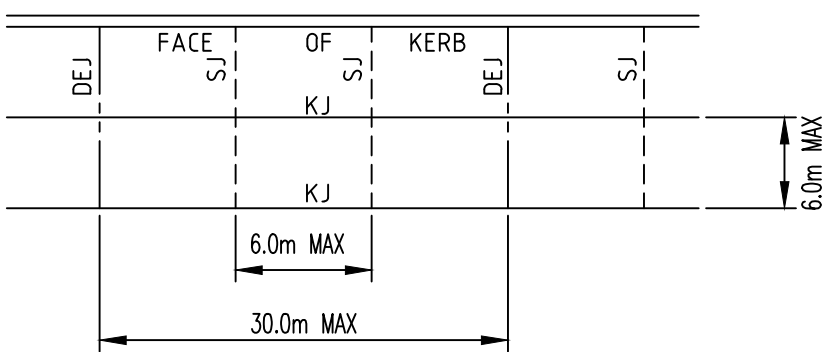
- ALL PEDESTRIAN PAVEMENTS ARE TO BE JOINTED AS FOLLOWS. (U.N.O)
- EXPANSION JOINTS ARE TO BE LOCATED WHERE POSSIBLE AT TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX. 6.0m CENTRES.
- WEAKENED PLANE JOINTS ARE TO BE LOCATED AT A MAX. SPACING OF 15 x WIDTH OF THE PAVEMENT.
- WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND OR ADJACENT PAVEMENT JOINTS.
- PEDESTRIAN PAVEMENT JOINT DETAIL.



NB: CHECK RELEVANT COUNCIL REQUIREMENTS IF IN PUBLIC ROAD.

VEHICULAR PAVEMENT JOINTS

- ALL VEHICULAR PAVEMENTS TO BE JOINTED AS FOLLOWS. (U.N.O)
- KEYED CONSTRUCTION JOINTS SHOULD GENERALLY BE LOCATED AT A MAX OF 6.0m CENTRES
- SAWN JOINTS SHOULD GENERALLY BE LOCATED AT A MAX OF 6.0m CENTRES WITH DOWELED EXPANSION JOINTS AT MAX 30.0m CENTRES
- VEHICULAR PAVEMENT JOINT DETAIL.



EXISTING UNDERGROUND SERVICES NOTES

THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE.
AT & L CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.

CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.

CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.

CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH, PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.

EROSION AND SEDIMENT CONTROL NOTES

- THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
- ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
a. LOCAL AUTHORITY REQUIREMENTS
b. EPA REQUIREMENTS
c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
- MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
- WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
- CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

UNDERGROUND SERVICES LEGEND

EXISTING SERVICES

- G EXISTING GAS
- T EXISTING TELSTRA
- RW EXISTING RECYCLED WATER
- V EXISTING WATER
- S EXISTING SEWER TO REMAIN
- V EXISTING WATER
- SW EXISTING SEWER MANHOLE
- OPP EXISTING STORMWATER TO REMAIN
- EXISTING POWER POLE

PROPOSED SERVICES

- PP PROPOSED OVERHEAD ELECTRICAL
- PP-LP PROPOSED/RELOCATED POWER POLE
- LP PROPOSED LIGHT POLE
- LP-PP PROPOSED LIGHT POLE ON EXISTING POWER POLE
- E PROPOSED ELECTRICAL
- G PROPOSED GAS
- T PROPOSED TELSTRA
- W PROPOSED WATER
- S PROPOSED SEWER
- SEWER MAN HOLE
- X EXISTING UTILITY TO BE REMOVED

WORKS LEGEND

EXISTING

- +213.00 SURFACE LEVEL
- 213.0 CONTOUR
- FENCE
- TREE
- TREE TO BE REMOVED AS PART OF ROADWORKS
- TREE REMOVED AS PART OF PREVIOUSLY APPROVED SUBDIVISION ROADWORKS
- TREE AT RISK (DUE TO EXCAVATION WITHIN "DRIP LINE" AND POTENTIAL "ROOT ZONE")
- EXISTING BOUNDARY
- EXISTING STORMWATER PIPE
- EXISTING STORMWATER PIT REFERENCE NUMBER

PROPOSED

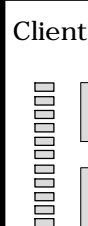
- PROPOSED BOUNDARY
- K&G KERB AND GUTTER
- K&T KERB AND TOE
- MK MOUNTABLE KERB
- KO KERB ONLY
- DK DOLPHIN KERB
- VEHICLE CROSSING
- PRAM RAMP
- F22.20 FINISHED PAVEMENT LEVEL
- 15.0 EXISTING CONTOUR
- 23.0 PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED STORMWATER PIPE
- STORMWATER PIT REFERENCE NUMBER
- KERB INLET PIT (ENVIROPOD)
- SURFACE INLET PIT (ENVIROPOD)
- JUNCTION PIT
- GROSS POLLUTANT TRAP
HUMES MODEL HG18/L AND JF-1800
- STREET SIGN
- TREE TO LANDSCAPE ARCHITECT'S DETAILS

NOTE:
FINAL LOCATION OF DRIVEWAYS
SUBJECT TO SEPARATE APPROVAL

Issue	Description	Date
C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19

Bar Scales

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

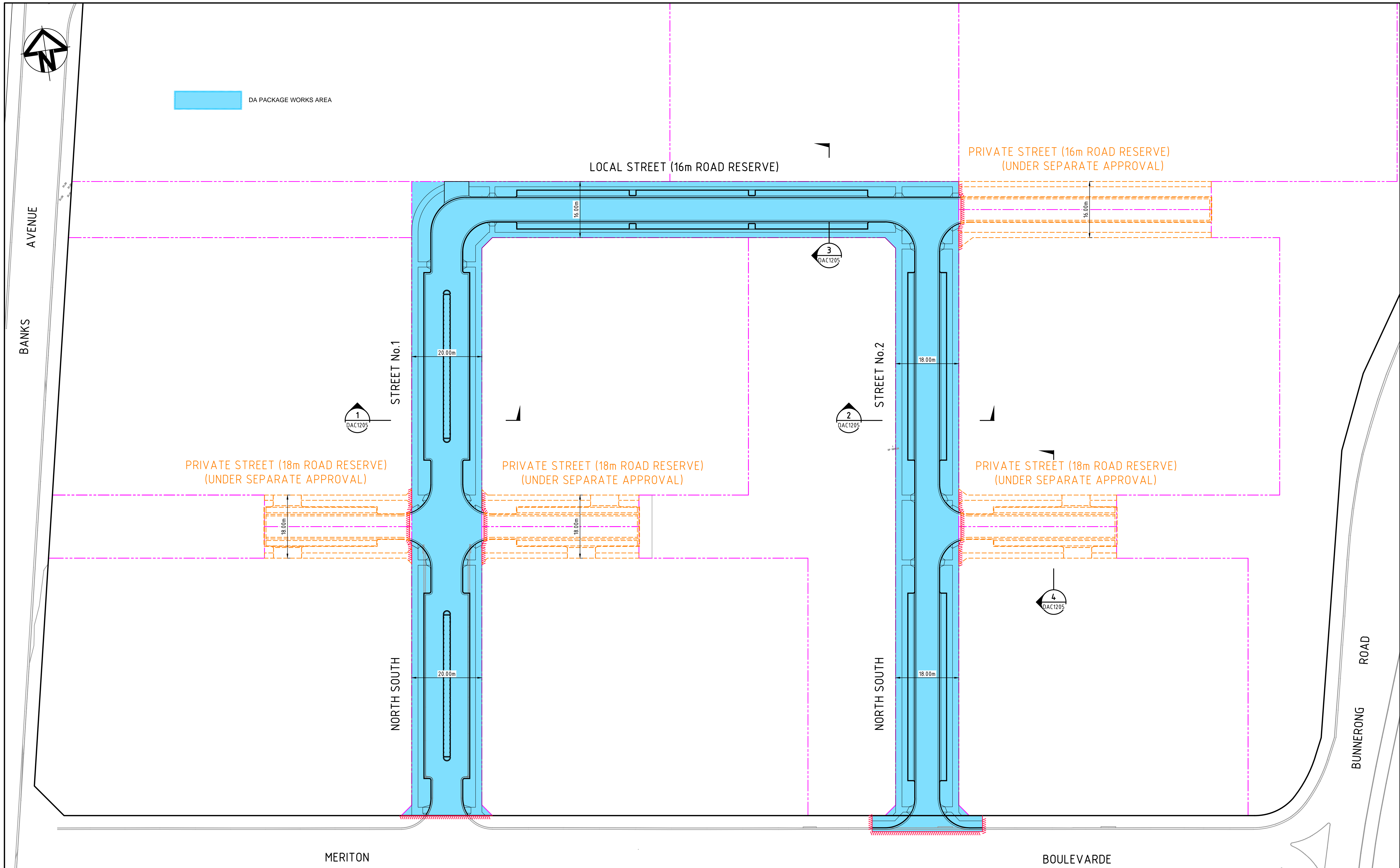


KARIMBLA
CONSTRUCTION SERVICES (NSW)
PTY LIMITED
Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

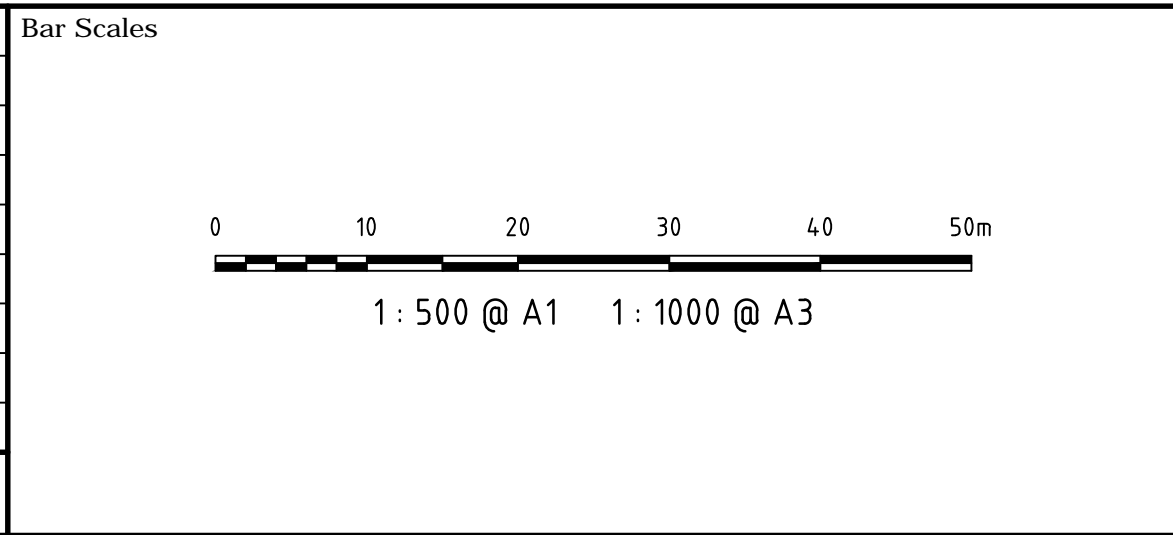
Scales	Drawn	QD	
	Designed	FX & QD	
Grid	MGA	Checked	MG
Height Datum	AHD	Approved	

Project	130-150 BUNNERONG ROAD PAGEWOOD STAGE 2
Title	NOTES AND LEGENDS

Civil Engineers and Project Managers		
at&l Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR TENDER	A1
NOT TO BE USED FOR CONSTRUCTION		
Drawing No.	Project No.	Issue
DAC1202	13-155	C



C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19
Issue	Description	Date



THIS DRAWING CANNOT BE
COPIED OR REPRODUCED IN
ANY FORM OR USED FOR ANY
OTHER PURPOSE OTHER THAN
THAT ORIGINALLY INTENDED
WITHOUT THE WRITTEN
PERMISSION OF AT&L

Client

KARIMBLA
CONSTRUCTION SERVICES (NSW)
PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	1 : 500	Drawn	QD
		Designed	FX & QD
Grid	MGA	Checked	MG
Height Datum	AHD	Approved	

Project

**130-150
BUNNERONG ROAD
PAGEWOOD
STAGE 2**

Title

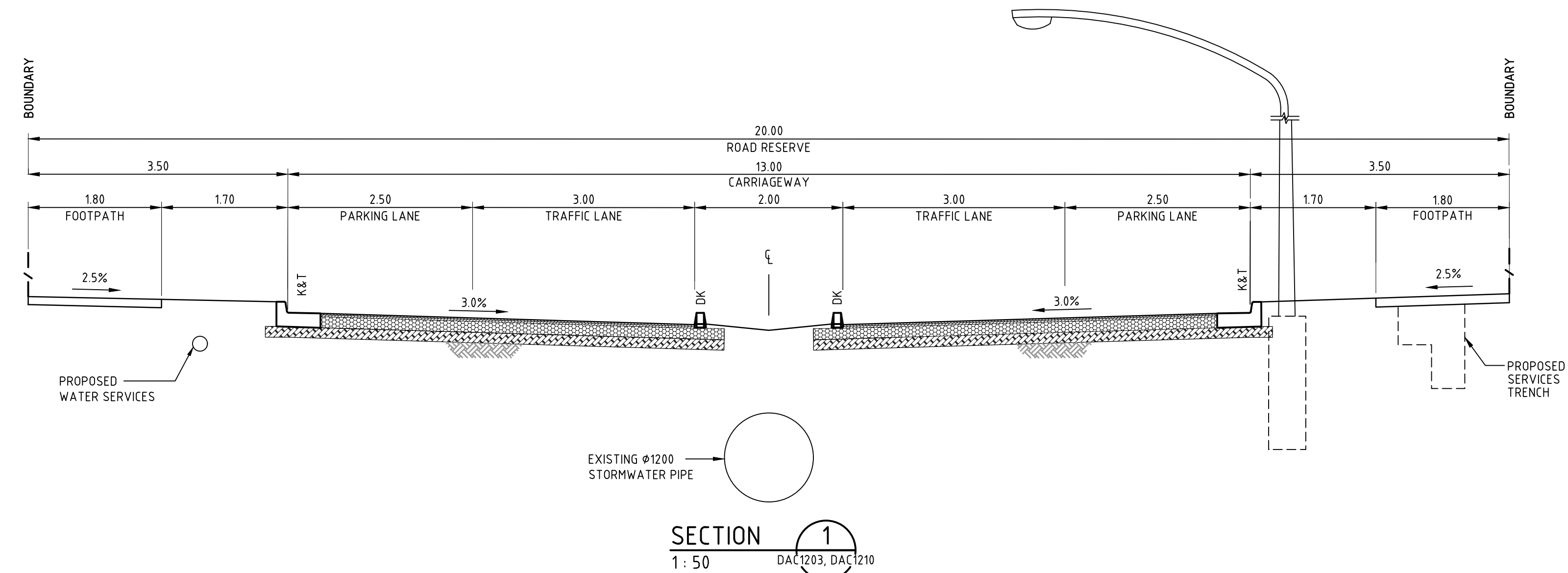
**GENERAL ARRANGEMENT
PLAN**

Civil Engineers and Project Managers

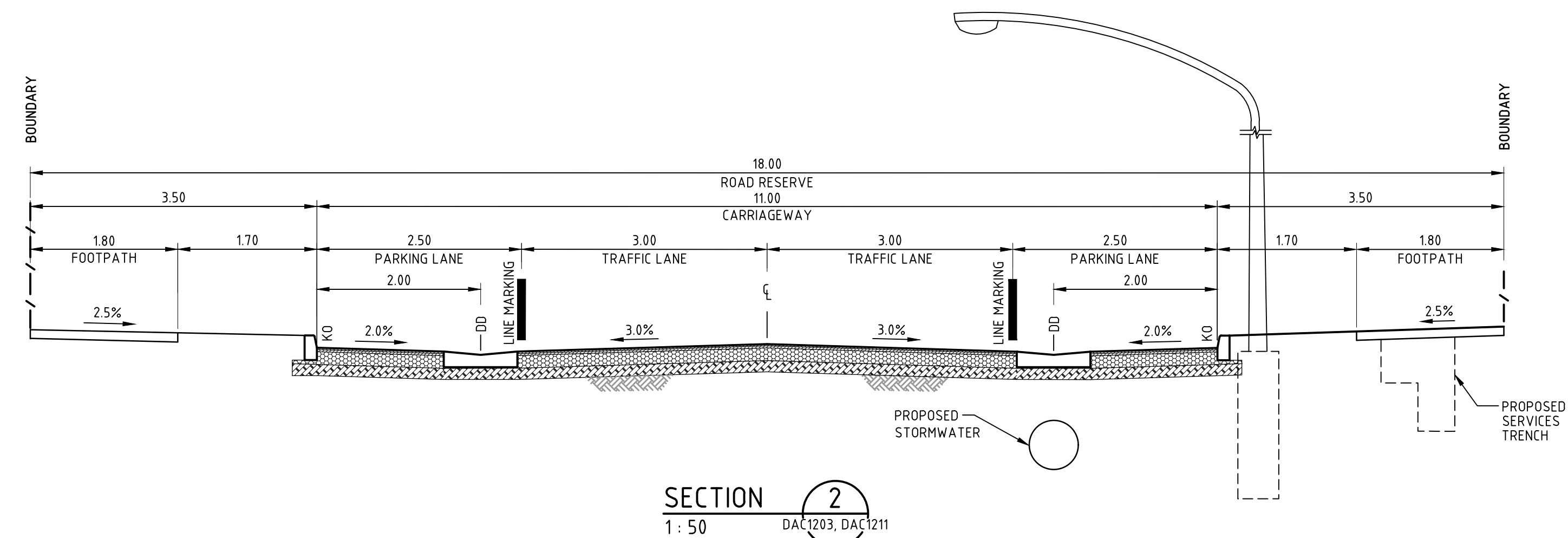
at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

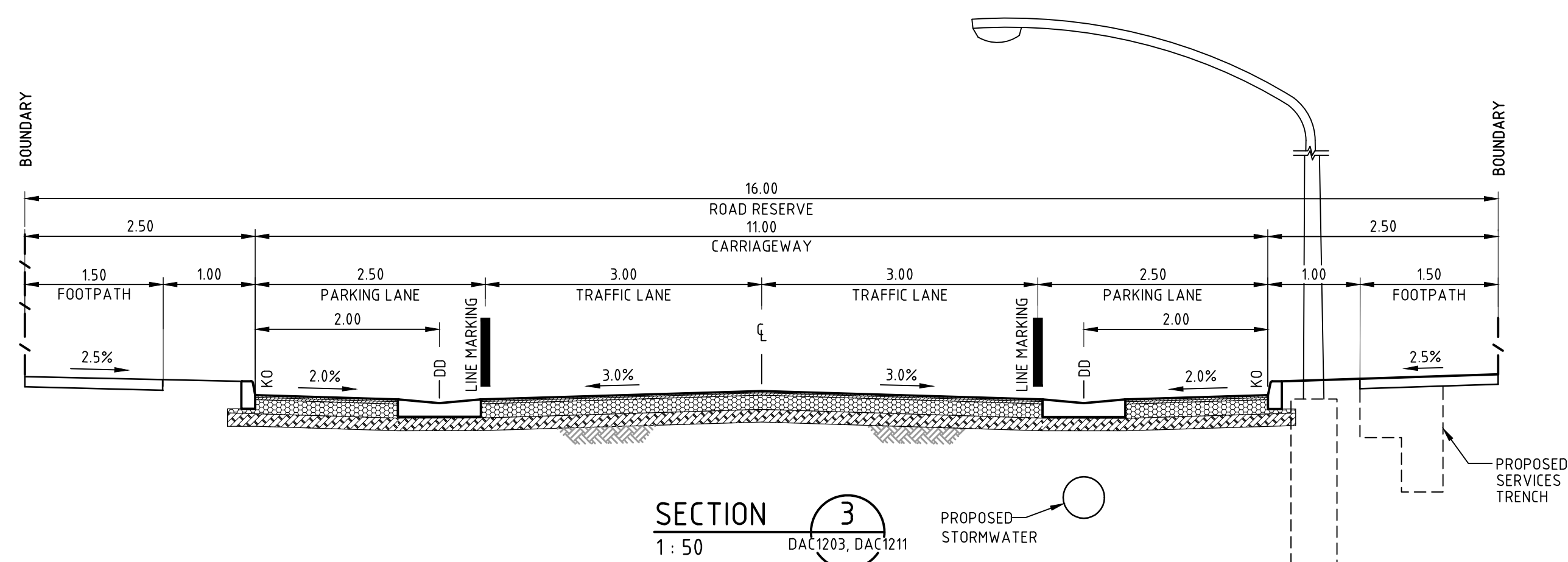
Status	FOR TENDER	A1
NOT TO BE USED FOR CONSTRUCTION		
Drawing No.	Project No.	Issue
DAC1203	13-155	C



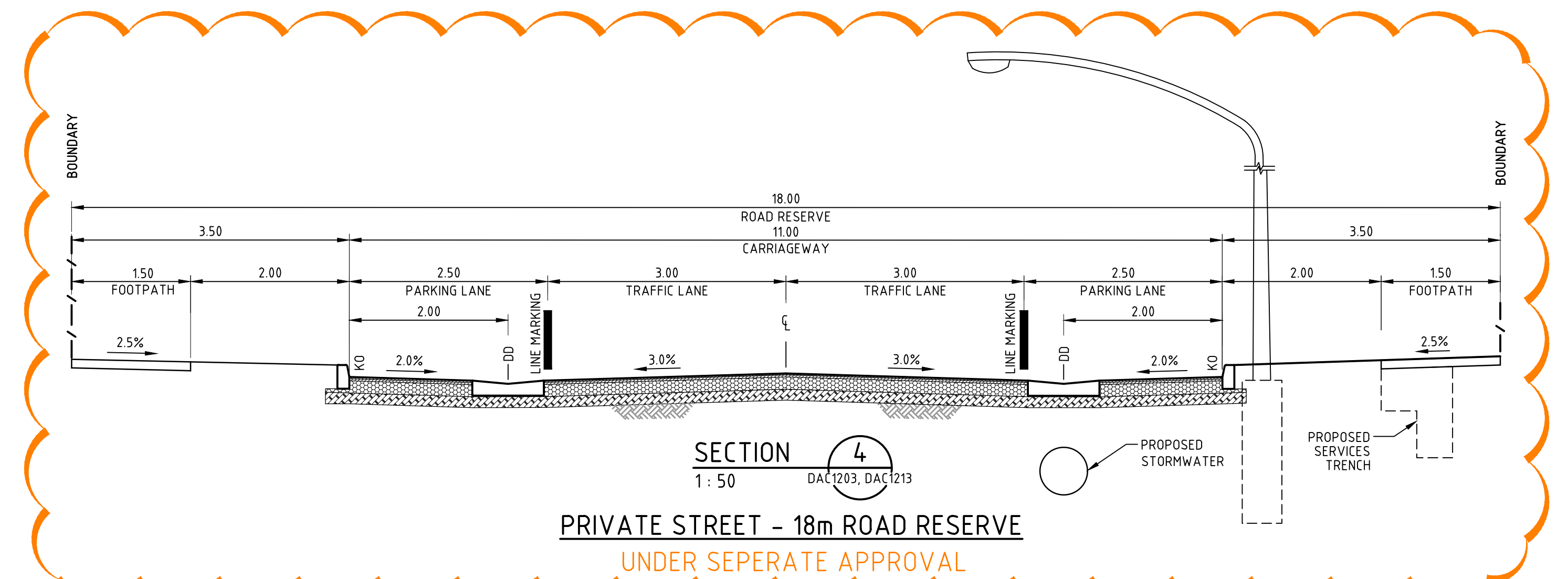
NORTH-SOUTH STREET No.1 - 20m ROAD RESERVE



NORTH-SOUTH STREET No.2 - 18m ROAD RESERVE

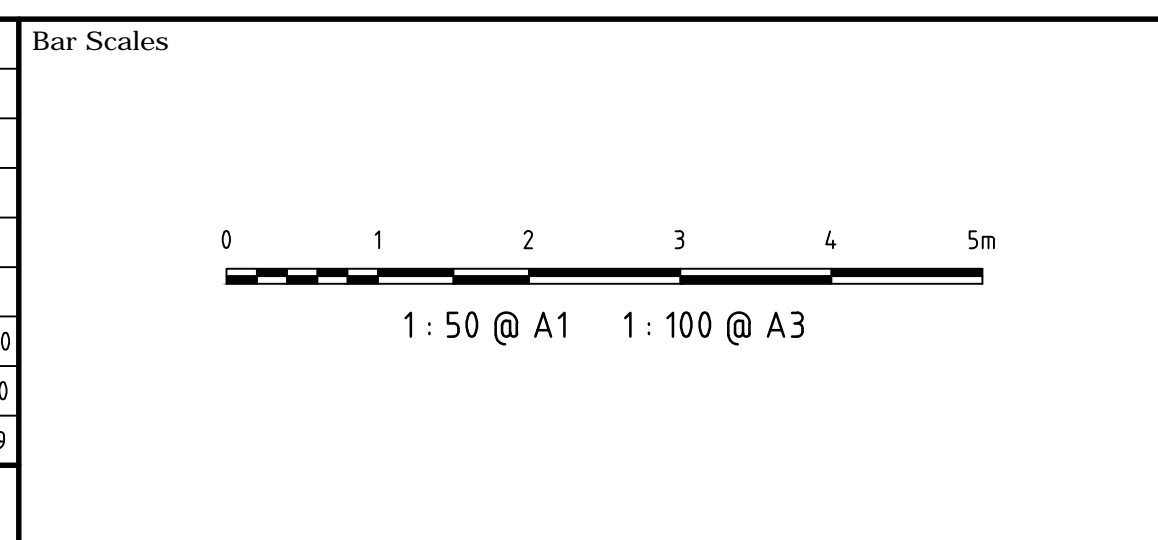


LOCAL STREET - 16m ROAD RESERVE



PRIVATE STREET - 18m ROAD RESERVE

Issue	Description	Date
C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19



THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

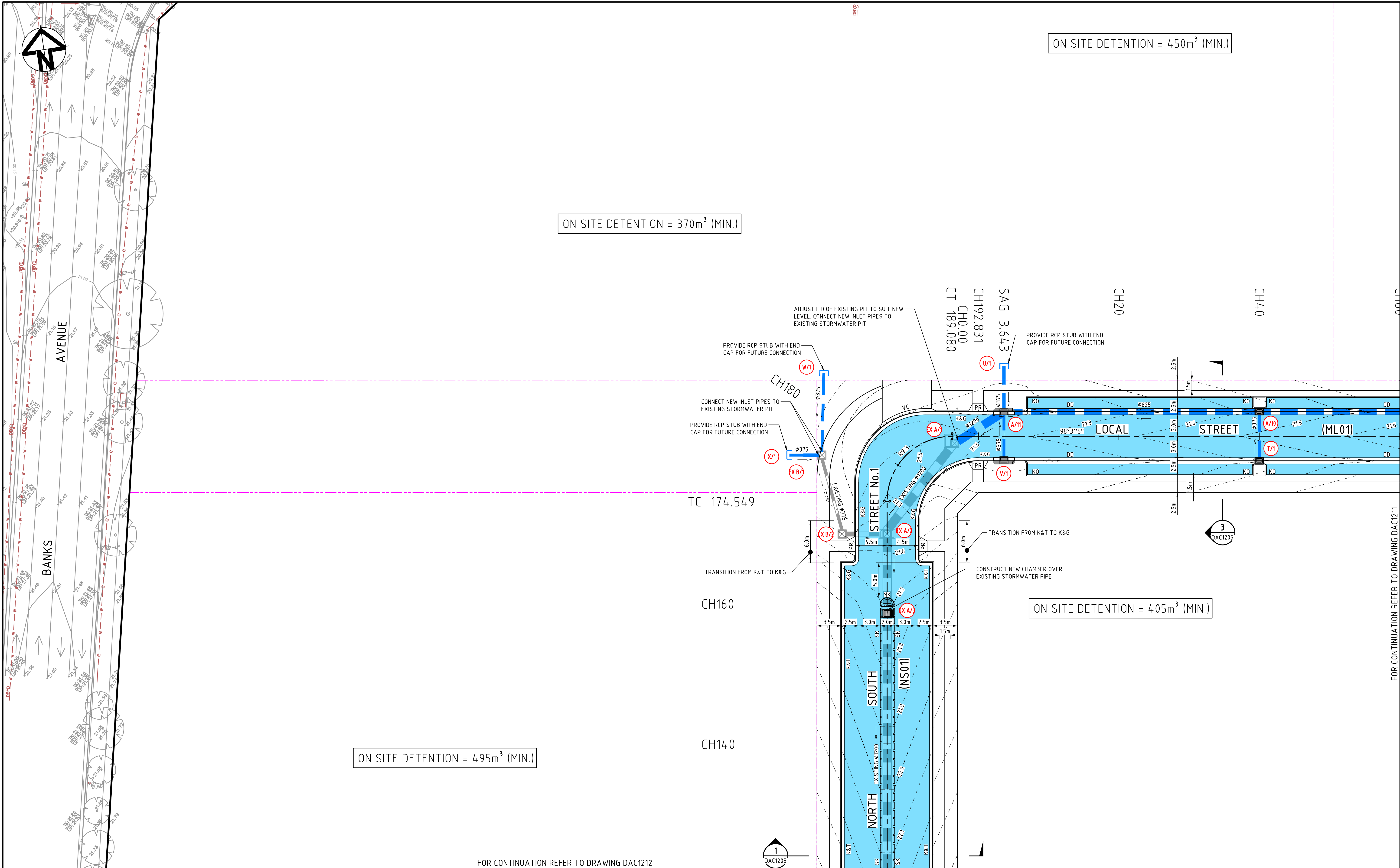
KARIMBLA
CONSTRUCTION SERVICES (NSW) PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

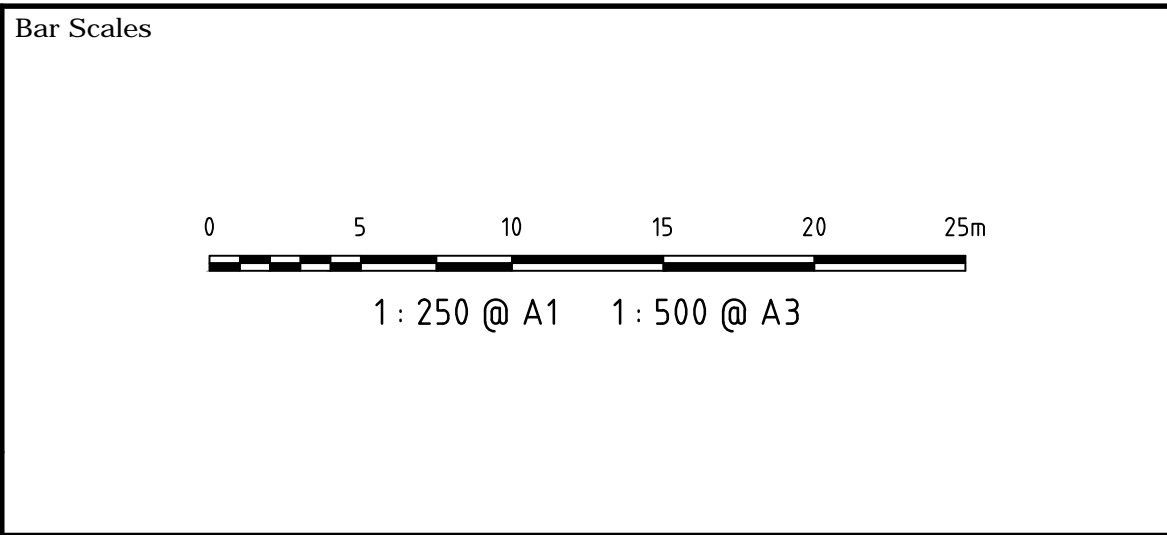
Scales	Drawn	QD
1: 50	Designed	FX & QD
Grid	Checked	MG
MGA	Approved	
Height Datum		
AHD		

Project	130-150 BUNNERONG ROAD PAGEWOOD STAGE 2
Title	TYPICAL SECTIONS

Civil Engineers and Project Managers		
at&l		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR TENDER NOT TO BE USED FOR CONSTRUCTION	A1
Drawing No.	Project No.	Issue
DAC1205	13-155	C



C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19
Issue	Description	Date



THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

KARIMBLA
CONSTRUCTION SERVICES (NSW) PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	1 : 250	Drawn	QD
Grid	MGA	Designed	FX & QD
Height Datum	AHD	Checked	MG
		Approved	AM

Project

130-150 BUNNERONG ROAD PAGWOOD STAGE 2

Title

SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 1

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status

FOR TENDER

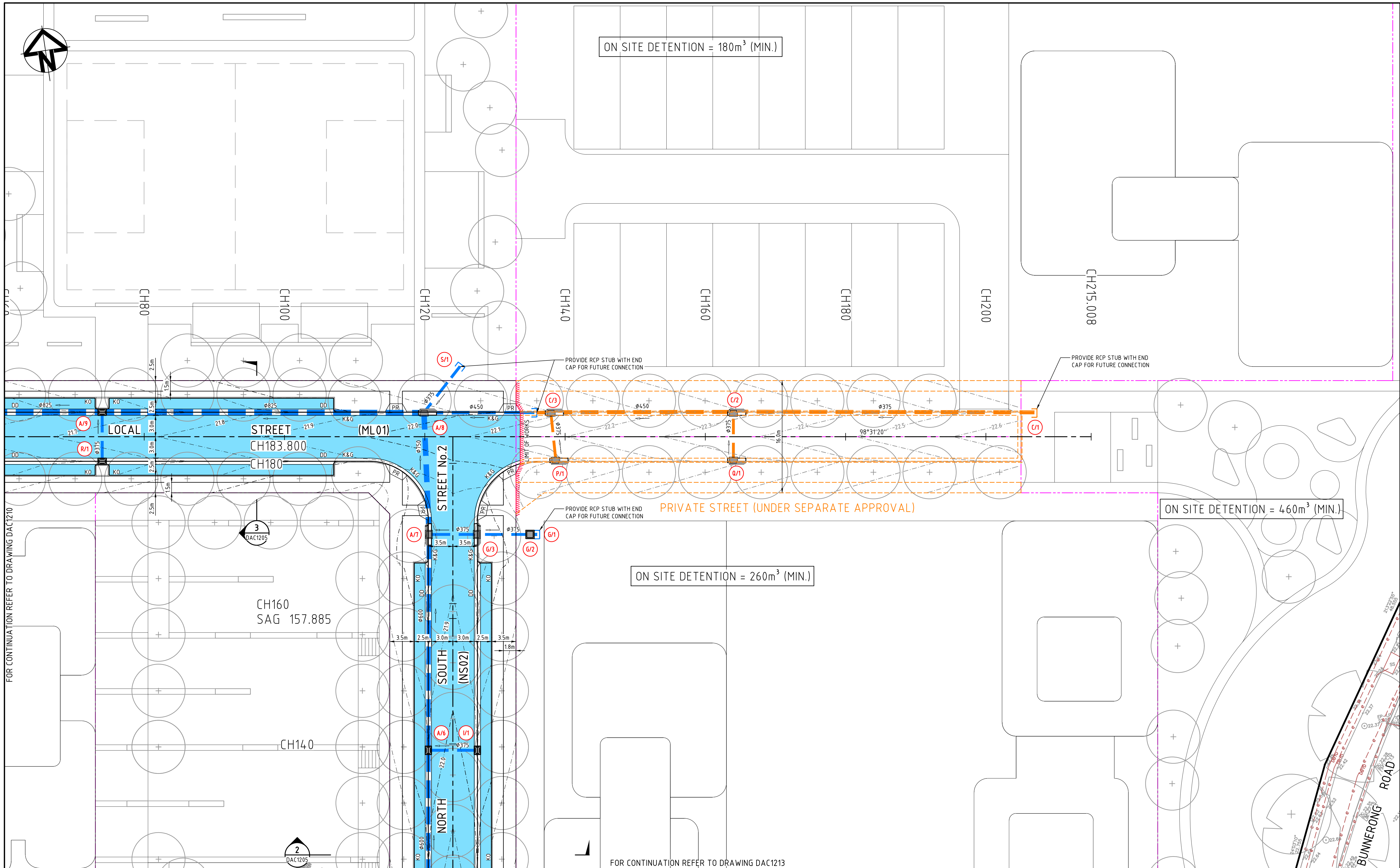
NOT TO BE USED FOR CONSTRUCTION

Drawing No. **DAC1210**

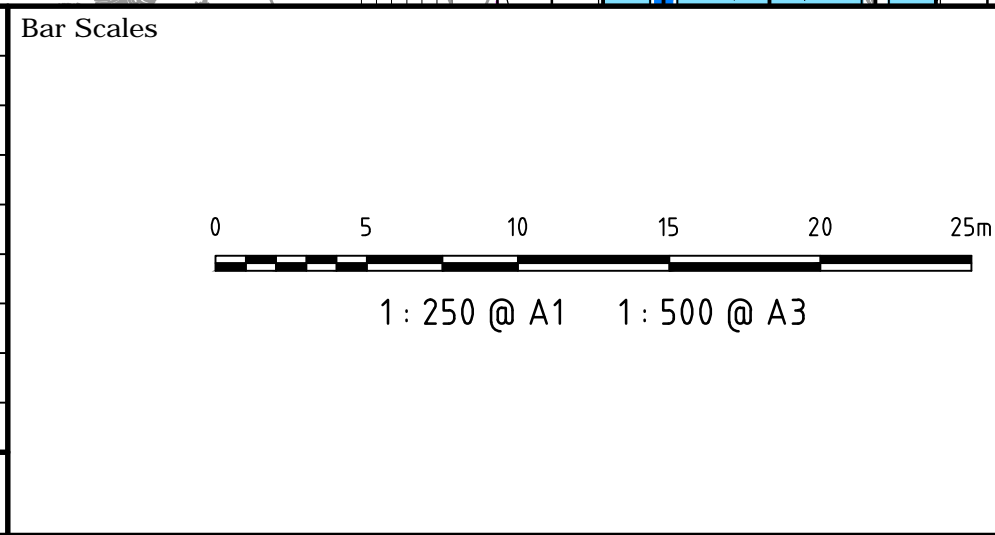
Project No. **13-155**

Issue **C**

A1



FOR CONTINUATION REFER TO DRAWING DAC1210		
C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19
Issue	Description	Date



THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

KARIMBLA
CONSTRUCTION SERVICES (NSW) PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	1 : 250		Drawn	QD
			Designed	FX & QD
	Grid	MGA	Checked	MG
	Height Datum	AHD	Approved	AM

Project

130-150 BUNNERONG ROAD PAGEWOOD STAGE 2

Title

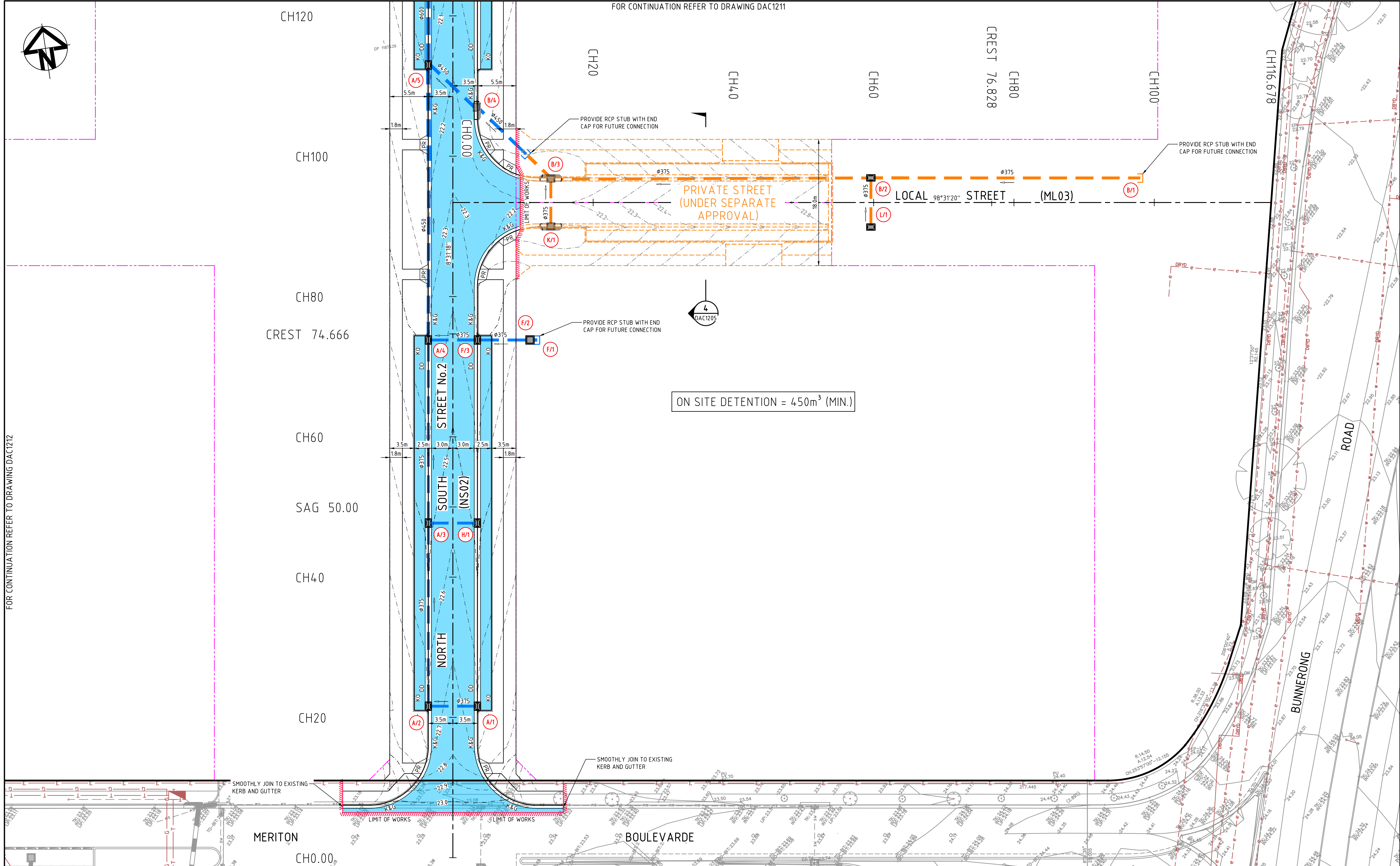
SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 2

Civil Engineers and Project Managers

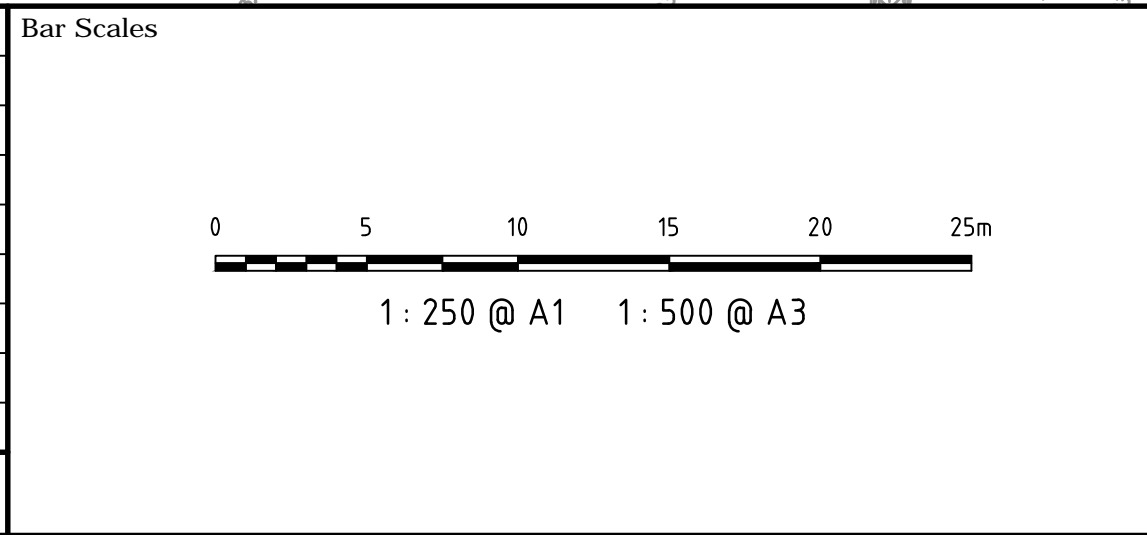
at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status	FOR TENDER		A1
NOT TO BE USED FOR CONSTRUCTION			
Drawing No.	Project No.	Issue	
DAC1211	13-155	C	



Issue	Description	Date
C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19



THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

KARIMBLA
CONSTRUCTION SERVICES (NSW)
PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	1 : 250	Drawn	QD
Grid	MGA	Designed	FX & QD
Height Datum	AHD	Checked	MG
		Approved	AM

Project

**130-150 BUNNERONG ROAD
PAGEWOOD
STAGE 2**

Title

**SITWORKS AND
STORMWATER DRAINAGE
PLAN
SHEET 4**

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

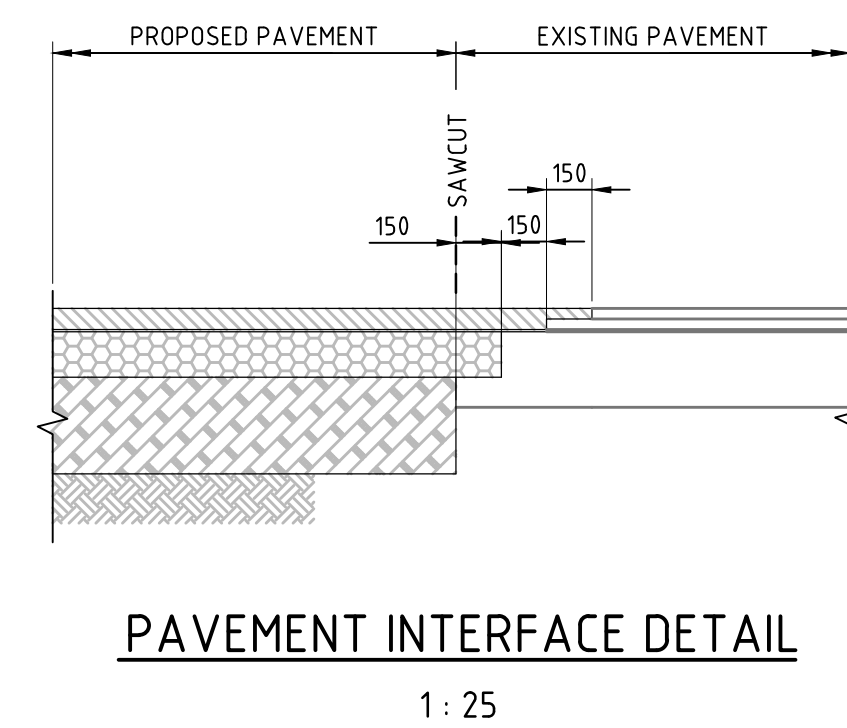
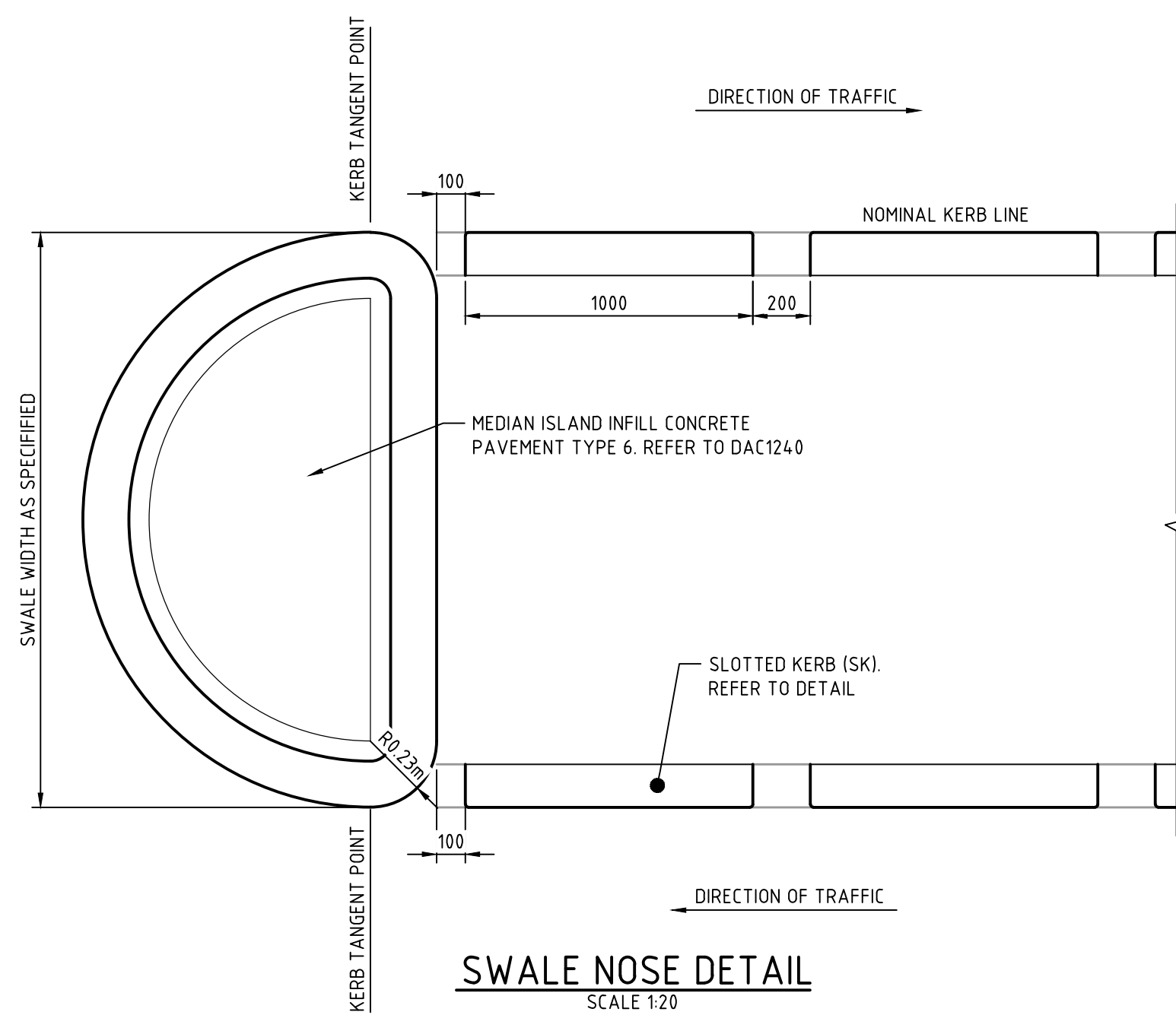
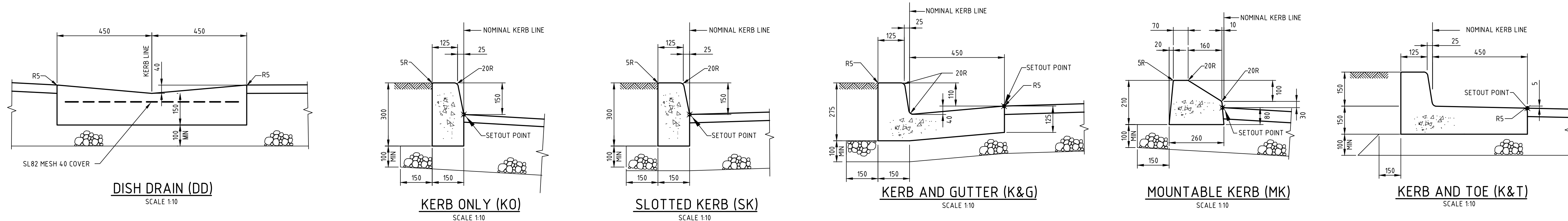
Status

**FOR TENDER
NOT TO BE USED FOR CONSTRUCTION**

Drawing No. **DAC1213**

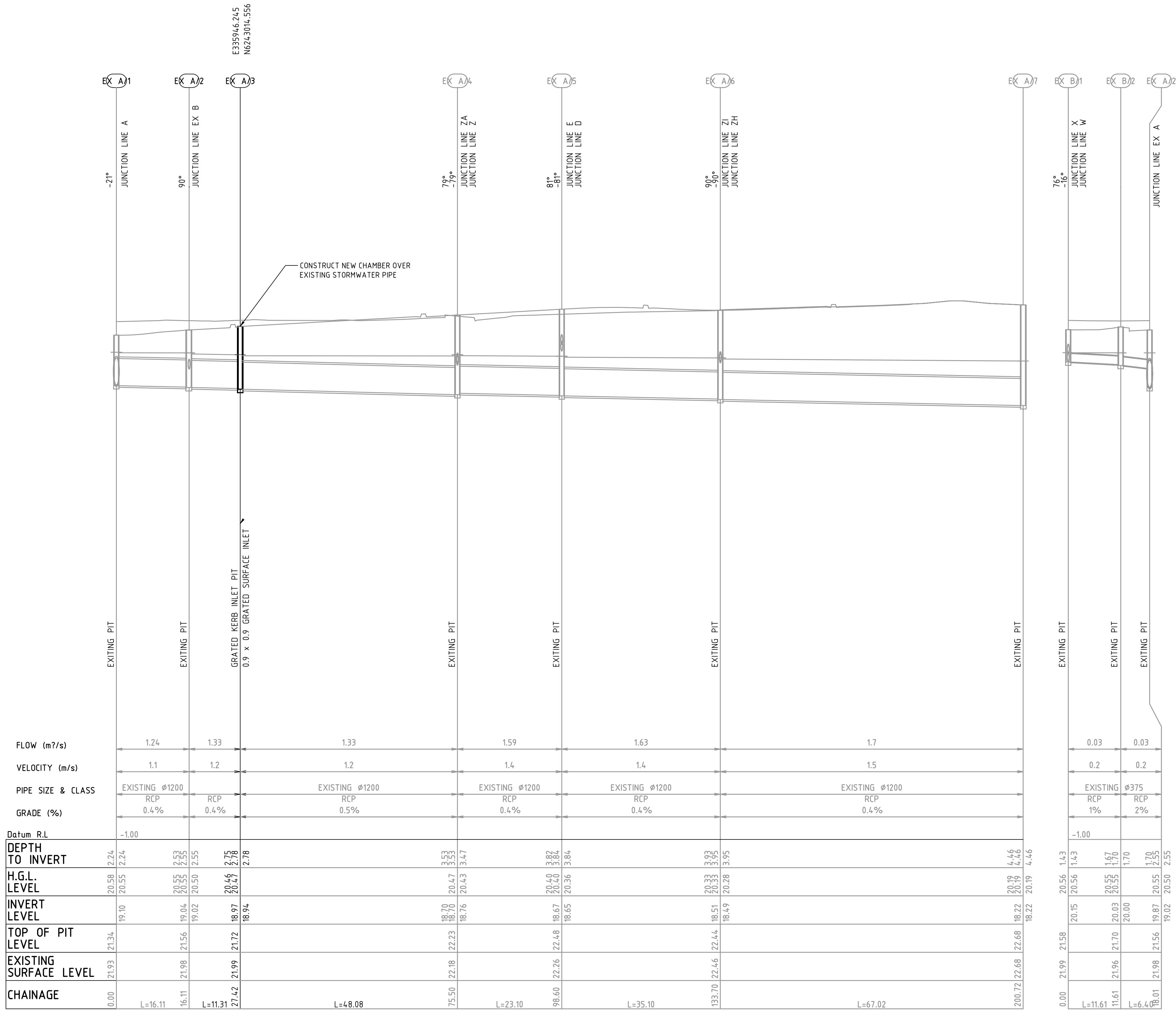
Project No. **13-155**

Issue **C**



			Bar Scales		<div>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L</div>	<div>Client</div> <div><div><div></div><div></div></div><div><div>KARIMBLA</div><div>CONSTRUCTION SERVICES (NSW) PTY LIMITED</div></div><div>Level 11, 528 Kent Street, Sydney NSW 2000</div><div>Tel: (02) 9287 2888 Fax: (02) 9287 2777</div><div>Email: info@design.meriton.com.au</div><div>Internet: http://www.meriton.com.au</div></div>	<div>Scales</div> <div>AS SHOWN</div> <div>GridMGA</div> <div>Height DatumAHD</div>	<div>Drawn</div> <div>QD</div> <div>DesignedFX & QD</div> <div>CheckedMG</div> <div>Approved</div>	<div>Project</div> <div>130-150 BUNNERONG ROAD PAGEWOOD STAGE 2</div>	<div>Civil Engineers and Project Managers</div> <div><div>at&l</div><div>Level 7, 153 Walker Street North Sydney NSW 2060</div><div>ABN 96 130 882 405</div><div>Tel: 02 9439 1777</div><div>Fax: 02 9923 1055</div><div>www.atl.net.au</div><div>info@atl.net.au</div></div>											
			<div>0 100 200 400 600 800 1000mm</div> <div>1 : 10 @ A1 1 : 20 @ A3</div> <div>0 500 1000 1500 2000mm</div> <div>1 : 20 @ A1 1 : 40 @ A3</div>								<div>Site</div> <div>SITEWORKS DETAILS</div>										

- NOTES:
1. ALL PIT GRATES AND LIDS TO BE "CLASS D" UNLESS NOTED OTHERWISE.
 2. PROVIDE STEP IRONS FOR PITS DEEPER THAN 12m
 3. PIPES TO BE INSTALLED TO TYPE HSUPPORT IN ACCORDANCE WITH AS3725
 4. ALL PIPE AND PIT EXCAVATIONS/INSTALLATIONS IN SOIL CONDITIONS TO COMPLY WITH SAFE WORK AUSTRALIA - EXCAVATION WORK CODE OF PRACTICE AND SAFETY PRECAUTIONS TO BE TAKEN IN TRENCHING OPERATIONS



C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19
Issue	Description	Date

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

KARIMBLA
CONSTRUCTION SERVICES (NSW) PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales 1 : 100 (V)
1 : 500 (H)

Grid MGA

Height Datum AHD

Drawn QD

Designed FX & QD

Checked MG

Approved

Project

130-150 BUNNERONG ROAD PAGWOOD STAGE 2

Title

STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status

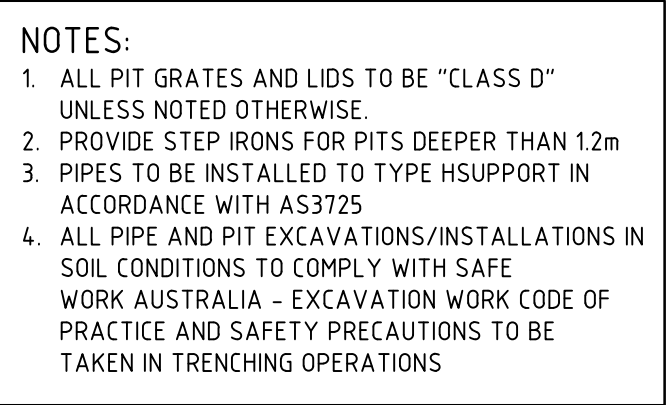
FOR TENDER
NOT TO BE USED FOR CONSTRUCTION

Drawing No. **DAC1220**

Project No. **13-155**

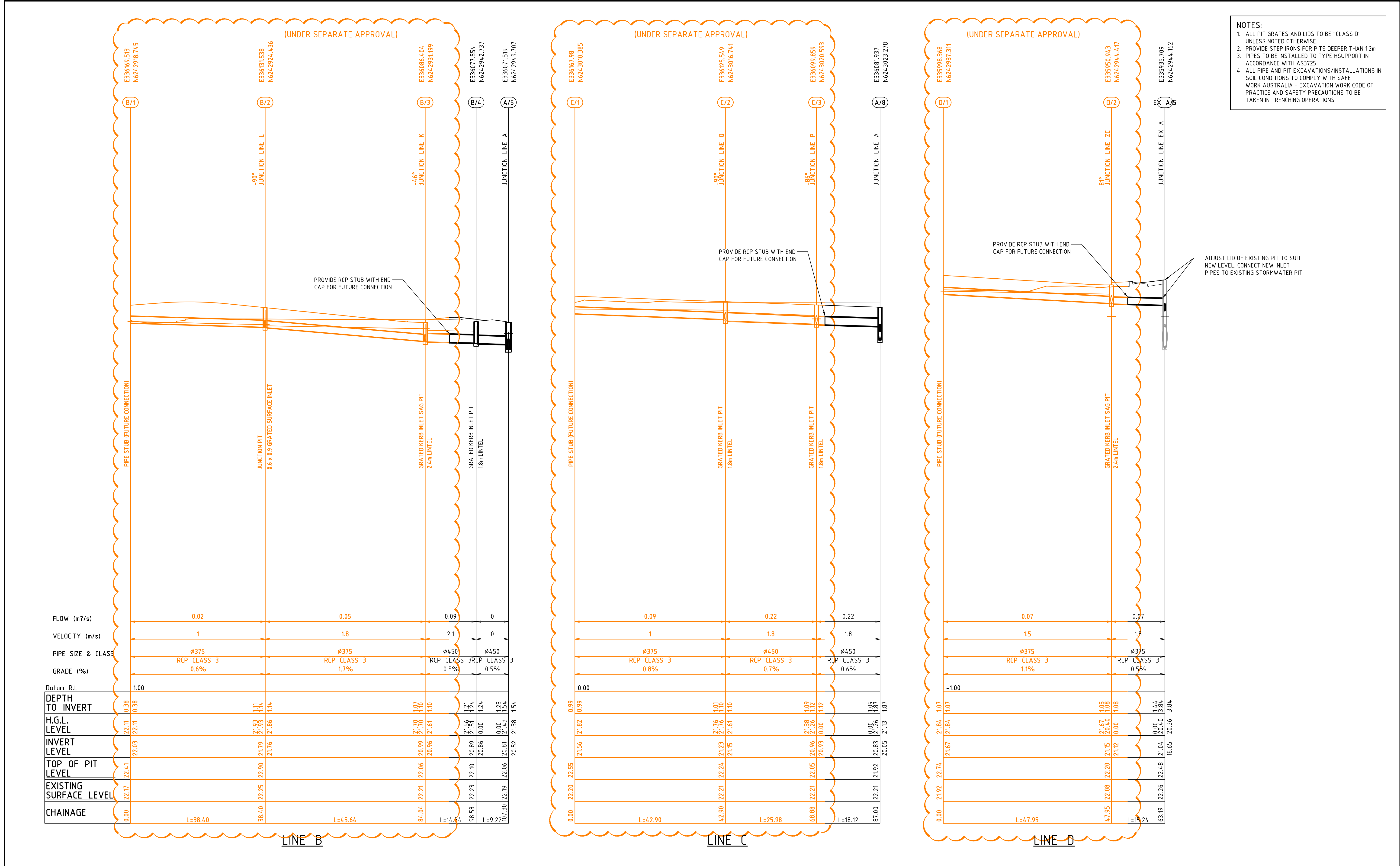
Issue **C**

A1



LINE A

Date Plotted: 4 Mar 2020 - 04:02PM File Name: F:\13-155 Pagewood\Drugs\Civil\Final\1200_DAC Road Stage 2\DAC1221.dwg



Issue	Description	Date
C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

KARIMBLA

CONSTRUCTION SERVICES (NSW) PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000

Tel: (02) 9287 2888 Fax: (02) 9287 2777

Email: info@design.meriton.com.au

Internet: http://www.meriton.com.au

Scales 1 : 100 (V) 1 : 500 (H)

Grid MGA

Height Datum AHD

Drawn QD

Designed FX & QD

Checked MG

Approved

Project

130-150 BUNNERONG ROAD PAGWOOD STAGE 2

Title

STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 3

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street North Sydney NSW 2060

ABN 96 130 882 405

Tel: 02 9439 1777

Fax: 02 9923 1055

www.atl.net.au

info@atl.net.au

Status **FOR TENDER**

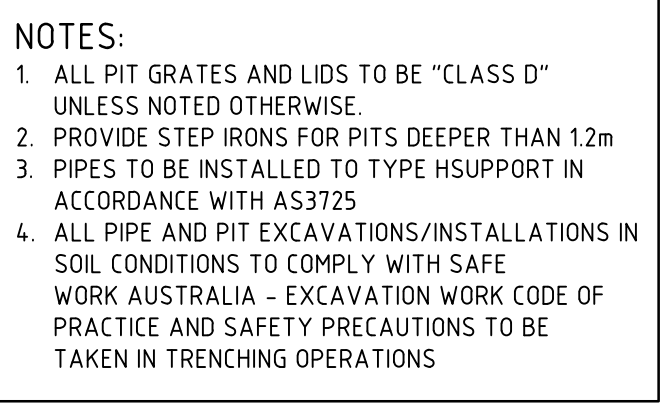
NOT TO BE USED FOR CONSTRUCTION


Drawing No. **DAC1222**

Project No. **13-155**

Issue **C**

A1

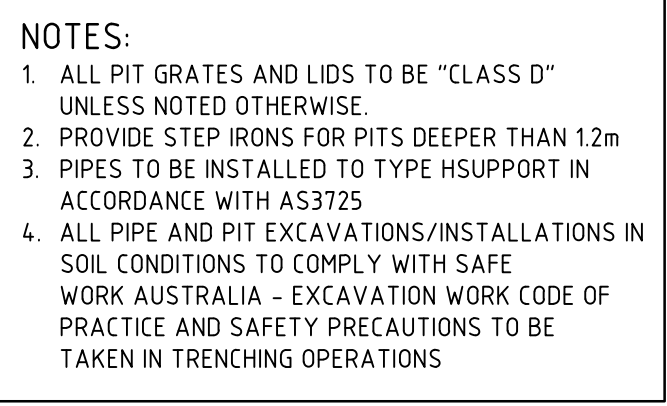




Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status	FOR TENDER NOT TO BE USED FOR CONSTRUCTION	A1 Issue C
Drawing No. DAC1223	Project No. 13-155	



Bar Scales

The image displays four graphical bar scales arranged in two rows. Each scale is a horizontal line with alternating black and white segments, representing a specific ratio and sheet size. The top row shows scales for 1:100 and 1:200 ratios at A1 and A3 sheet sizes. The bottom row shows scales for 1:500 and 1:1000 ratios at A1 and A3 sheet sizes. Each scale has numerical markings at intervals of 2, 4, 6, 8, and 10 meters.

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

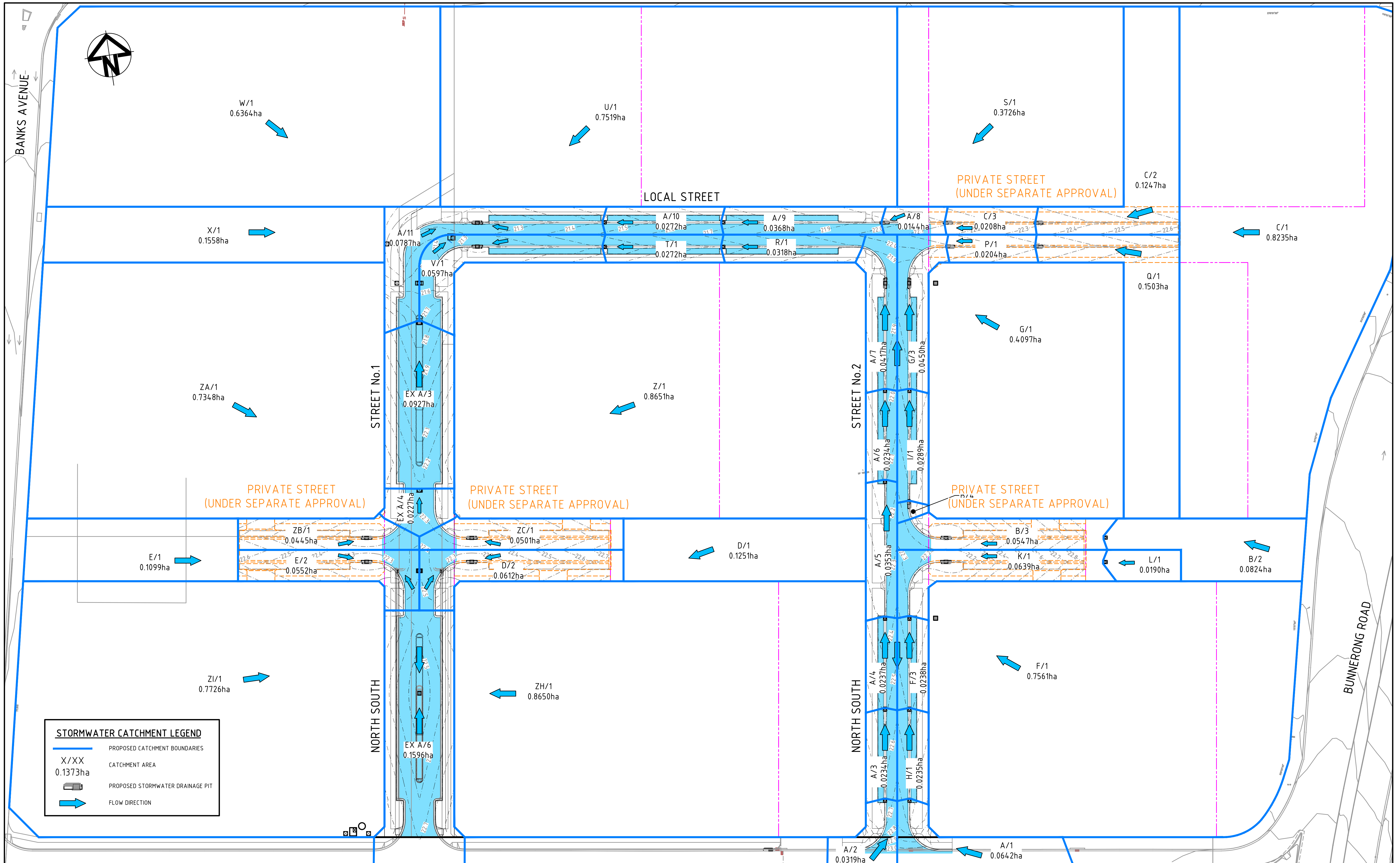
0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

The image shows the logo and contact information for Karimbla Construction Services (NSW) Pty Limited. The logo consists of a stylized 'K' made of two overlapping shapes, one light blue and one light grey, with a vertical bar of five small squares to its left. To the right of the logo, the company name 'KARIMBLA' is written in large, bold, black capital letters. Below it, 'CONSTRUCTION SERVICES (NSW)' is written in smaller, bold, black capital letters, followed by 'PTY LIMITED' in a slightly smaller, bold, black capital font. At the bottom, the contact information is listed: 'Level 11, 528 Kent Street, Sydney NSW 2000', 'Tel: (02) 9287 2888', 'Fax: (02) 9287 2777', 'Email: info@design.meriton.com.au', and 'Internet: http://www.meriton.com.au'.

Project	130-150 BUNNERONG ROAD PAGEWOOD STAGE 2
Title	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 5

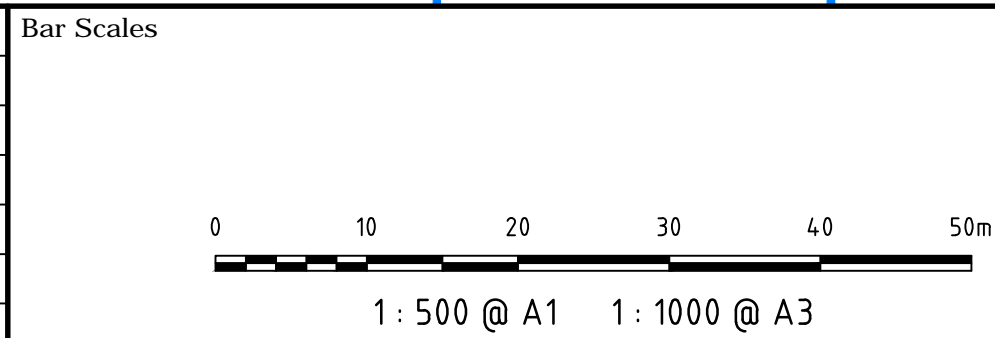
Date Plotted: 4 Mar 2020 - 04:03PM File Name: F:\13-155 Pagewood\Drgs\Civil\Final\1200_DAC Road Stage 2\DAC1224.dwg



STORMWATER CATCHMENT LEGEND

- PROPOSED CATCHMENT BOUNDARIES
- X/XX
0.1373ha
CATCHMENT AREA
- PROPOSED STORMWATER DRAINAGE PIT
- FLOW DIRECTION

B	ISSUED FOR TENDER	04-03-20
A	ISSUED FOR PRICING	29-01-20
Issue	Description	Date



THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

KARIMBLA
CONSTRUCTION SERVICES (NSW)
PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scale	1 : 500 (H)	Drawn	QD
		Designed	FX & QD
Grid	MGA	Checked	MG
Height Datum	AHD	Approved	

Project

**130-150
BUNNERONG ROAD
PAGEWOOD
STAGE 2**

Title

**STORMWATER DRAINAGE
CATCHMENT
PLAN**

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status

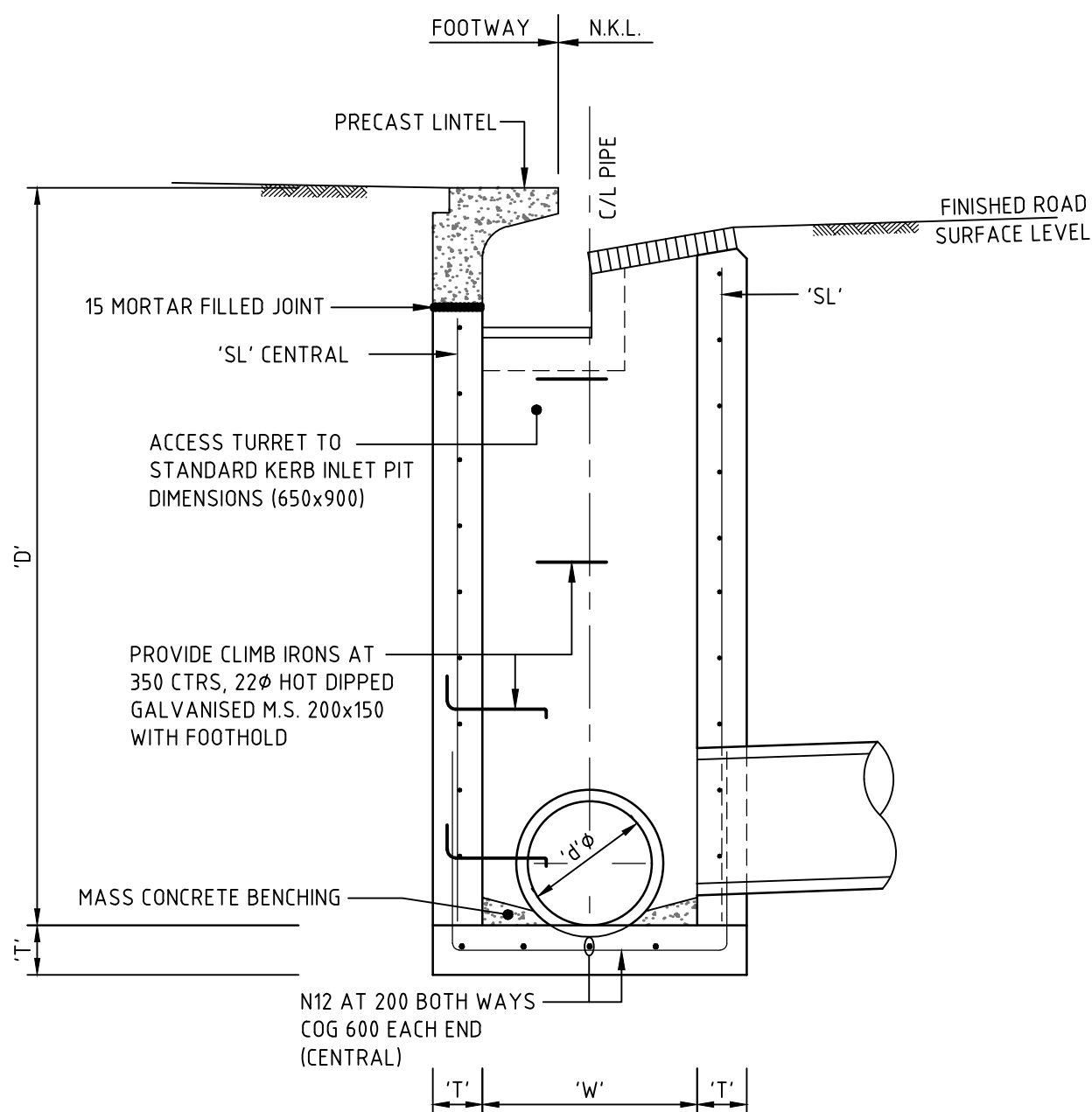
**FOR TENDER
NOT TO BE USED FOR CONSTRUCTION**

Drawing No.
DAC1225

Project No.
13-155

Issue
B

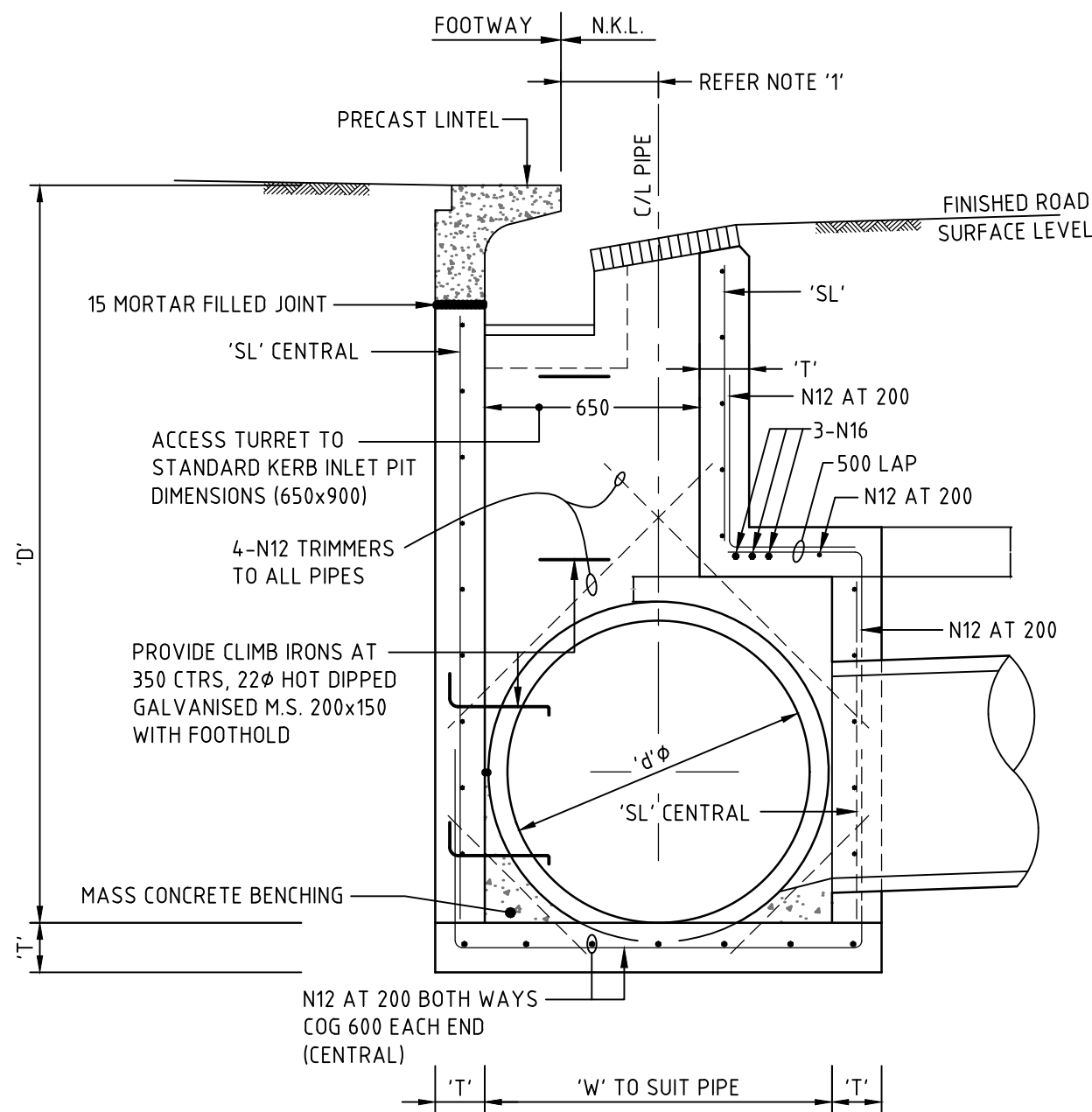
A1



PIT TYPE 'A' DETAIL
STANDARD GRATED KERB INLET PIT
FOR PIPES UP TO 525Ø

SCALE: 1:20

PIPE DIA. 'ØØ'	WIDTH 'W'	DEPTH 'D'	WALL 'T'	FABRIC/COV 'SL'
375	650	800	150	SL72
	650	1200	150	SL72
	650	1600	150	SL72
	650	2000	150	SL72
	650	2400	150	SL72
450	650	800	150	SL72
	650	1200	150	SL72
	650	1600	150	SL72
	650	2000	150	SL72
	650	2400	150	SL72
525	650	800	150	SL72
	650	1200	150	SL72
	650	1600	150	SL72
	650	2000	150	SL72
	650	2400	150	SL72

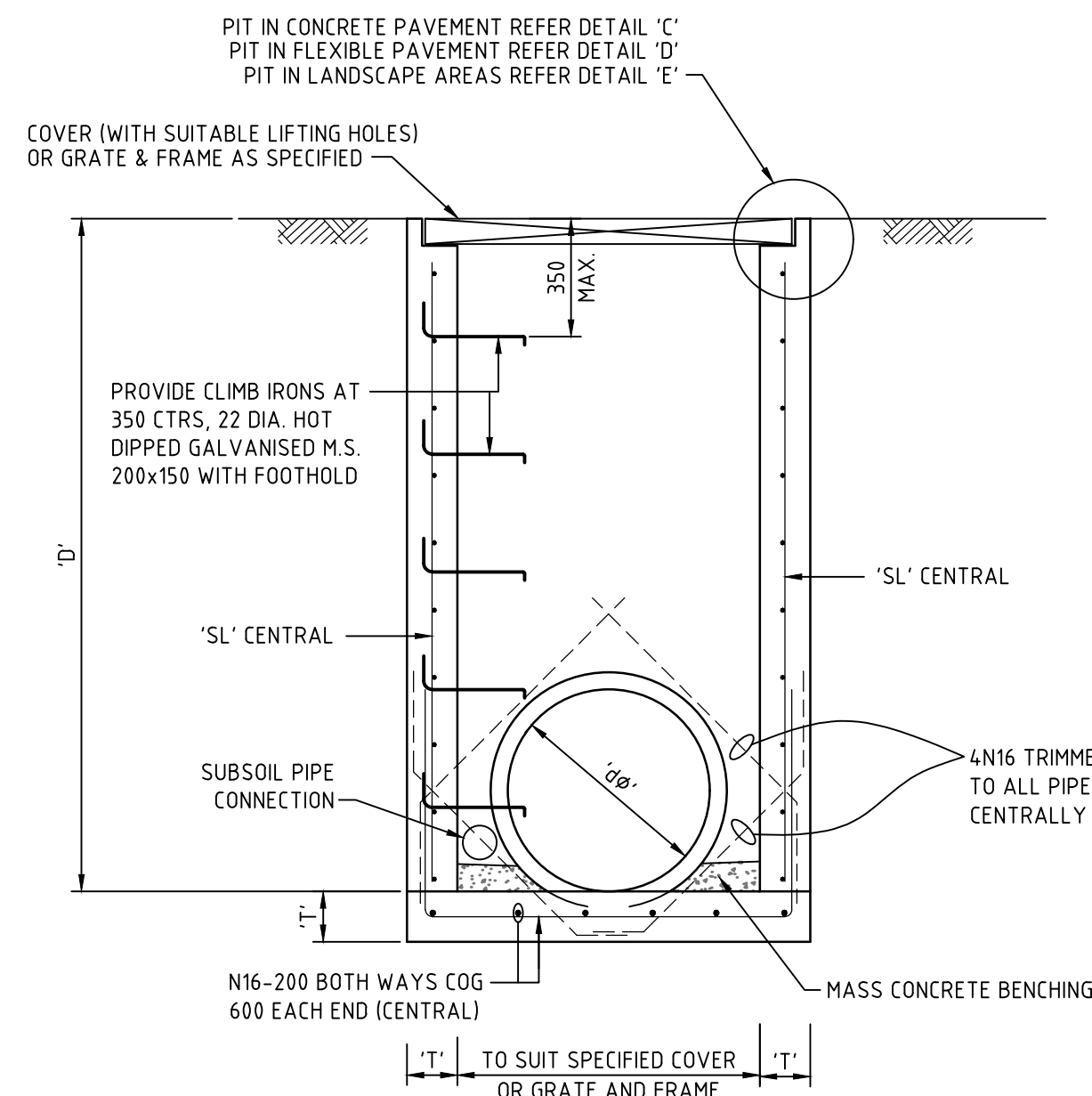


PIT TYPE 'B' DETAIL
STANDARD GRATED KERB INLET PIT
FOR PIPES FROM 600Ø TO 1350Ø

(ENLARGED CHAMBER)
SCALE: 1:20

PIPE DIA. 'ØØ'	WIDTH 'W'	DEPTH 'D'	WALL 'T'	FABRIC/COV 'SL'
600	850	1200	150	SL72
	850	1600	150	SL72
	850	2000	150	SL72
	850	2400	150	SL72
	940	1200	150	SL72
675	940	1600	150	SL72
	940	2000	150	SL72
	940	2400	150	SL72
	1020	1200	150	SL72
	1020	1600	150	SL72
750	1020	2000	150	SL72
	1020	2400	150	SL72
	1100	1600	150	SL72
	1100	2000	150	SL72
	1100	2400	150	SL72
825	1180	1600	150	SL72
	1180	2000	150	SL72
	1180	2400	150	SL72
	1345	1600	150	SL92
	1345	2000	150	SL92
900	1345	2400	150	SL92
	1510	2000	150	SL102
	1510	2400	150	SL102
	1510	2800	150	SL102
	1690	2000	200	N12@150
1050	1690	2400	200	N12@150
	1690	2800	200	N12@150
	1870	2000	200	N12@150
	1870	2400	200	N12@150
	1870	2800	200	N12@150

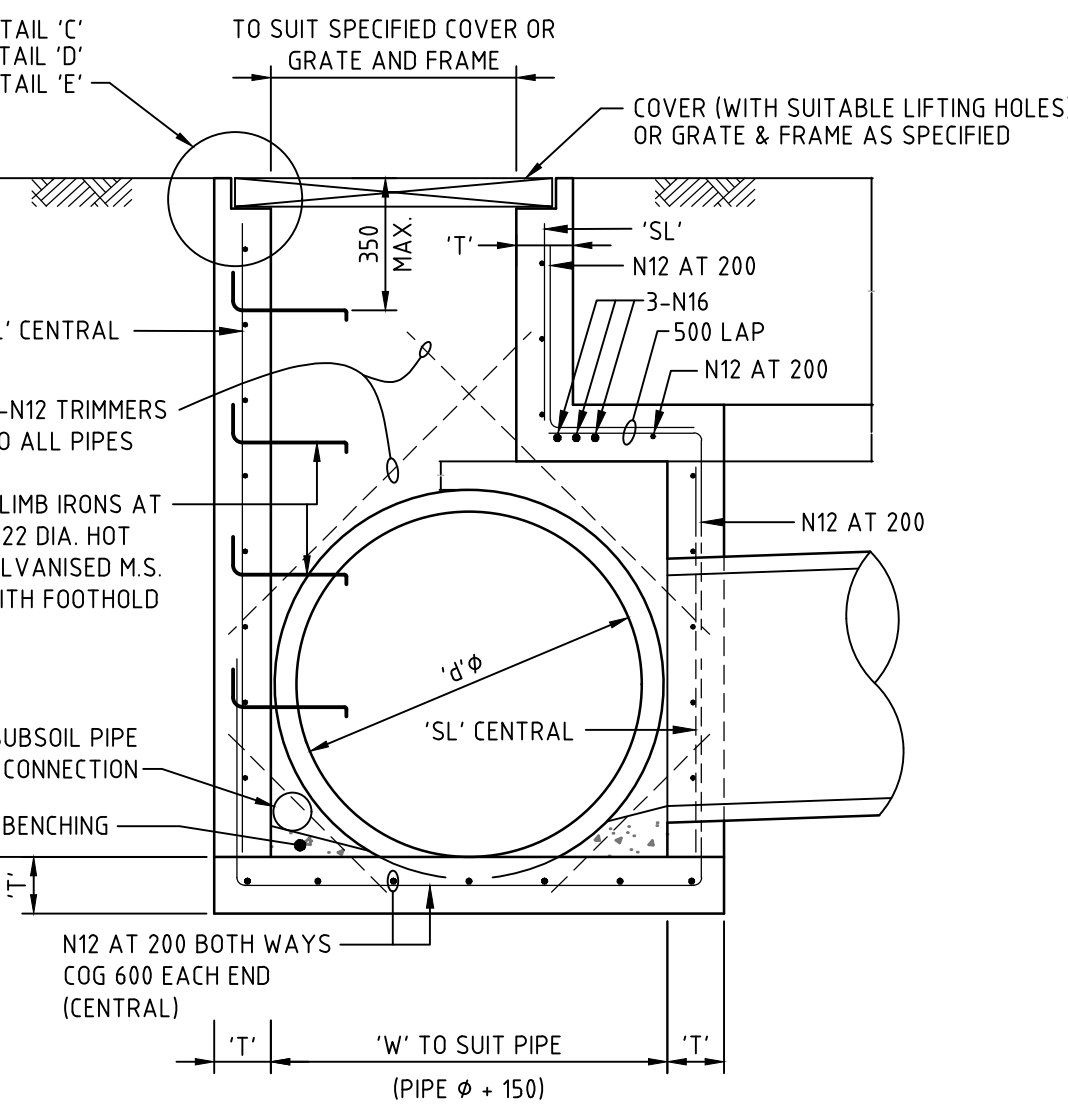
NOTE 1
150 FOR Ø600 DIA.
180 FOR Ø675 DIA.
220 FOR Ø750 DIA.
255 FOR Ø825 DIA.
295 FOR Ø900 DIA.
370 FOR Ø1050 DIA.
445 FOR Ø1200 DIA.



PIT TYPE 'C' DETAIL
SURFACE INLET PIT
FOR PIPES UP TO 525Ø

SCALE: 1:20

PIPE DIA. 'ØØ'	WIDTH 'W'	DEPTH 'D'	WALL 'T'	FABRIC/COV 'SL'
375	650	800	150	SL72
	650	1200	150	SL72
	650	1600	150	SL72
	650	2000	150	SL72
	650	2400	150	SL72
450	650	800	150	SL72
	650	1200	150	SL72
	650	1600	150	SL72
	650	2000	150	SL72
	650	2400	150	SL72
525	650	800	150	SL72
	650	1200	150	SL72
	650	1600	150	SL72
	650	2000	150	SL72
	650	2400	150	SL72



PIT TYPE 'D' DETAIL
SURFACE INLET PIT
FOR PIPES FROM 600Ø TO 1350Ø

(ENLARGED CHAMBER)
SCALE: 1:20

PIPE DIA. 'ØØ'	WIDTH 'W'	DEPTH 'D'	WALL 'T'	FABRIC/COV 'SL'
600	850	1200	150	SL72
	850	1600	150	SL72
	850	2000	150	SL72
	850	2400	150	SL72
	940	1200	150	SL72
675	940	1600	150	SL72
	940	2000	150	SL72
	940	2400	150	SL72
	1020	1200	150	SL72
	1020	1600	150	SL72
750	1020	2000	150	SL72
	1020	2400	150	SL72
	1100	1600	150	SL72
	1100	2000	150	SL72
	1100	2400	150	SL72
825	1180	1600	150	SL72
	1180	2000	150	SL72
	1180	2400	150	SL72
	1345	1600	150	SL92
	1345	2000	150	SL92
900	1345	2400	150	SL92
	1510	2000	150	SL102
	1510	2400	150	SL102
	1510	2800	150	SL102
	1690	2000	200	N12@150
1050	1690	2400	200	N12@150
	1690	2800	200	N12@150
	1870	2000	200	N12@150
	1870	2400	200	N12@150
	1870	2800	200	N12@150

NOTE

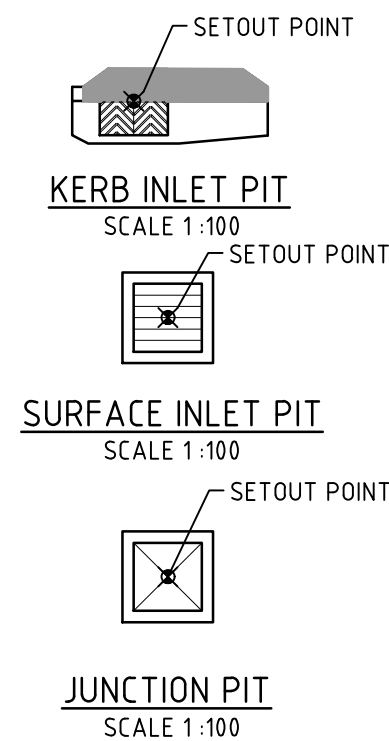
- FOR PIT SIZE REFER TO TABLE (900 MIN LONG).
- REINFORCING MESH IS TO BE BENT TO LAP 300 AROUND ALL CORNERS. VERTICAL BARS ARE NOT TO BE CUT. ALTERNATIVELY PROVIDE N12 "L" BARS (500x500) AT 400 VERTICAL CTS.
- COMPRESSIVE STRENGTH (F'c) FOR CAST IN SITU CONCRETE SHALL BE A MINIMUM 32 MPa AT 28 DAYS.
- TOP OF BENCHING SHALL BE 1/2 OF OUTLET PIPE DIAMETER.
- 100mm SUBSOIL DRAINAGE PIPE 3000 LONG WRAPPED IN FABRIC SOCK TO BE PROVIDE ADJACENT TO INLET PIPES.
- ALL PITS SHALL BE PROVIDED WITH A LOCKING CLIP.
- PIT GRATE TO BE 'WELDLOK' GULLY GRATE GG 78-50 OR APPROVED EQUIVALENT.
- DURING INSTALLATION OF GRATE AND FRAME CONTRACTOR IS TO ENSURE CLEARANCE BETWEEN LINTEL AND OPENED GRATE (REFER TO INSTALLATION TOLERANCE).
- PROVIDE STEP IRONS AS INDICATED FOR PITS DEEPER THAN 1200.
- N12 AT 200 CENTRAL MAY BE USED IN LEIU OF MESH. LAP 500 AT CORNERS

11. CONCRETE STRENGTH - UNLESS NOTED OTHERWISE

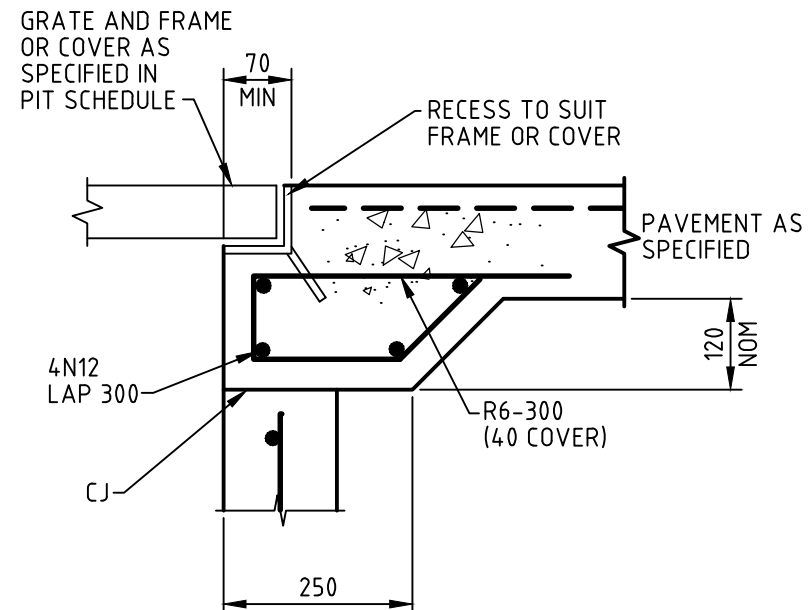
ELEMENT	f'c MPa (28 DAYS)	SLUMP	MAX AGG SIZE	CEMENT TYPE
PITS	32	80mm	20mm	GP

12. COVER - UNLESS NOTED OTHERWISE

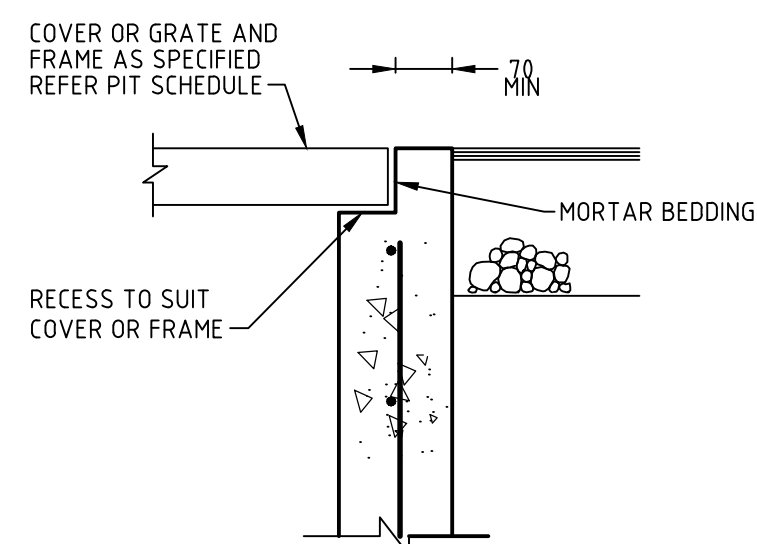
ELEMENT	INTERIOR	EXTERIOR
PITS	45mm	45mm
SLAB TOP	45mm	45mm
SLAB BOTTOM	45mm	45mm
BEAM TOP		
BEAM BOTTOM		
BEAM SIDE		
COLUMNS		



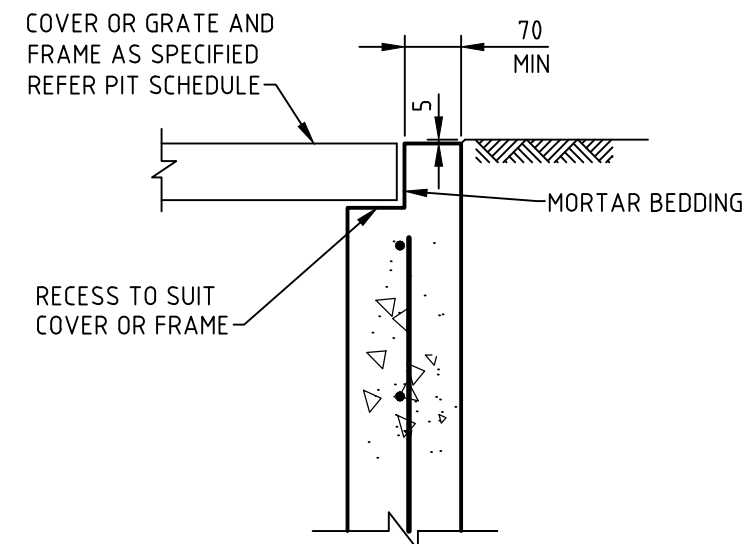
STORMWATER PIT
SETOUT POINTS



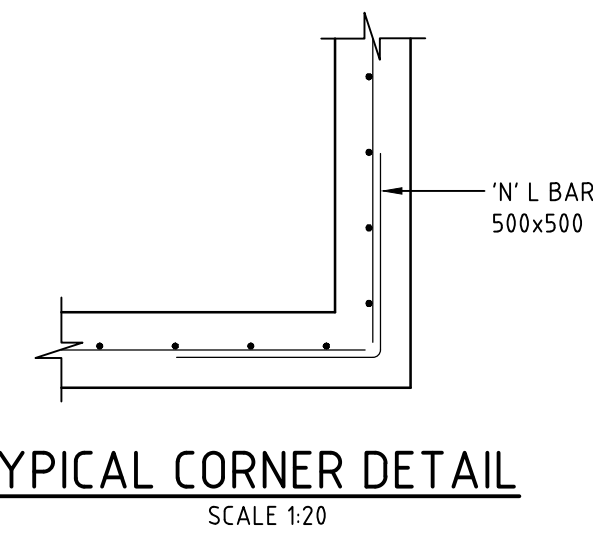
DETAIL "C"
SCALE 1:10



DETAIL "D"
SCALE 1:10



DETAIL "E"
SCALE 1:10



TYPICAL CORNER DETAIL
SCALE 1:20

Issue	Description	Date
C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19

Bar Scales
0 100 200 400 600 800 1000mm 1: 10 @ A1 1: 20 @ A3
0 500 1000 1500 2000mm 1: 20 @ A1 1: 40 @ A3

THIS DRAWING CANNOT BE
COPIED OR REPRODUCED IN
ANY FORM OR USED FOR ANY
OTHER PURPOSE OTHER THAN
THAT ORIGINALLY INTENDED
WITHOUT THE WRITTEN
PERMISSION OF AT&L

Client

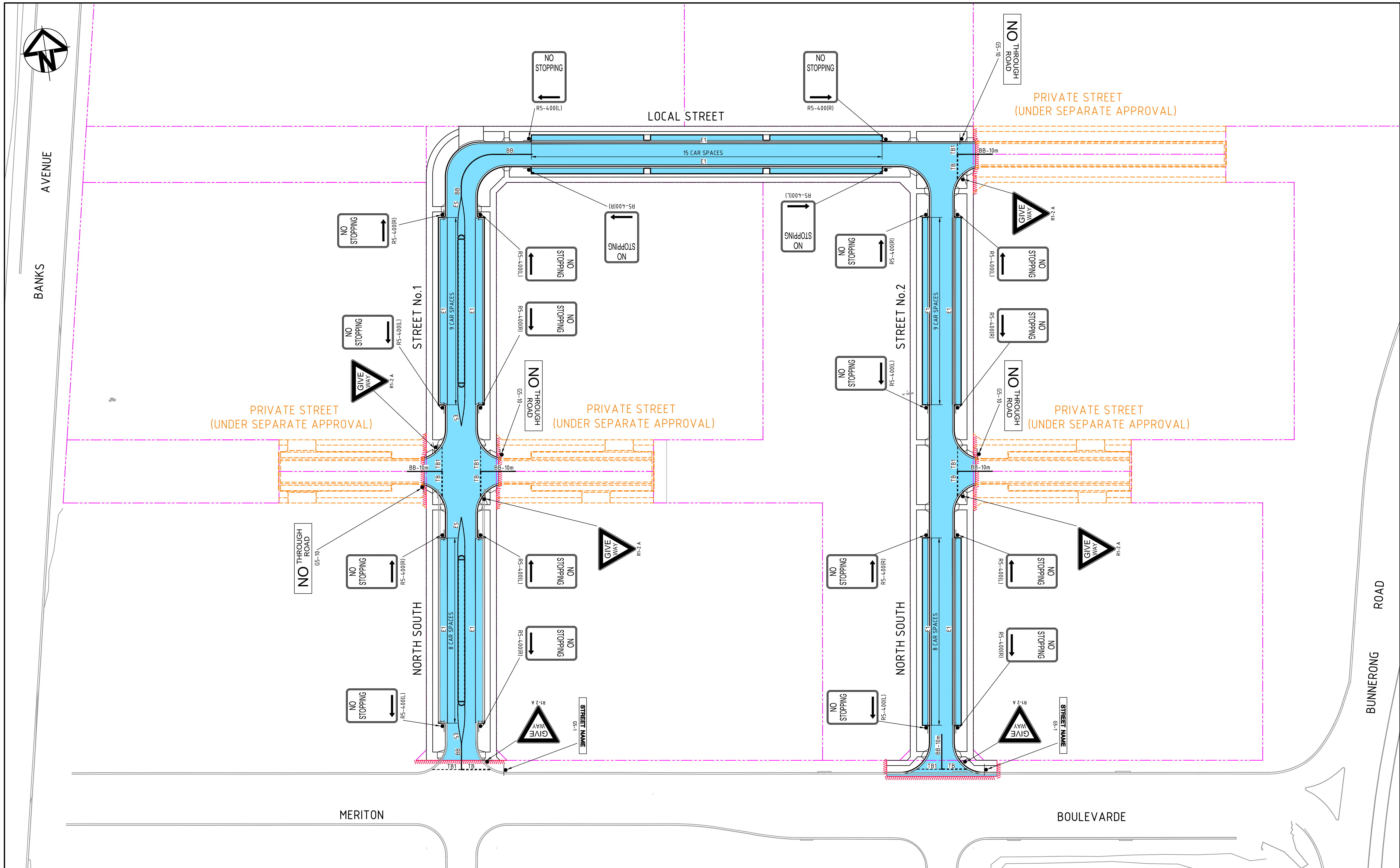
KARIMBLA
CONSTRUCTION SERVICES (NSW)
PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

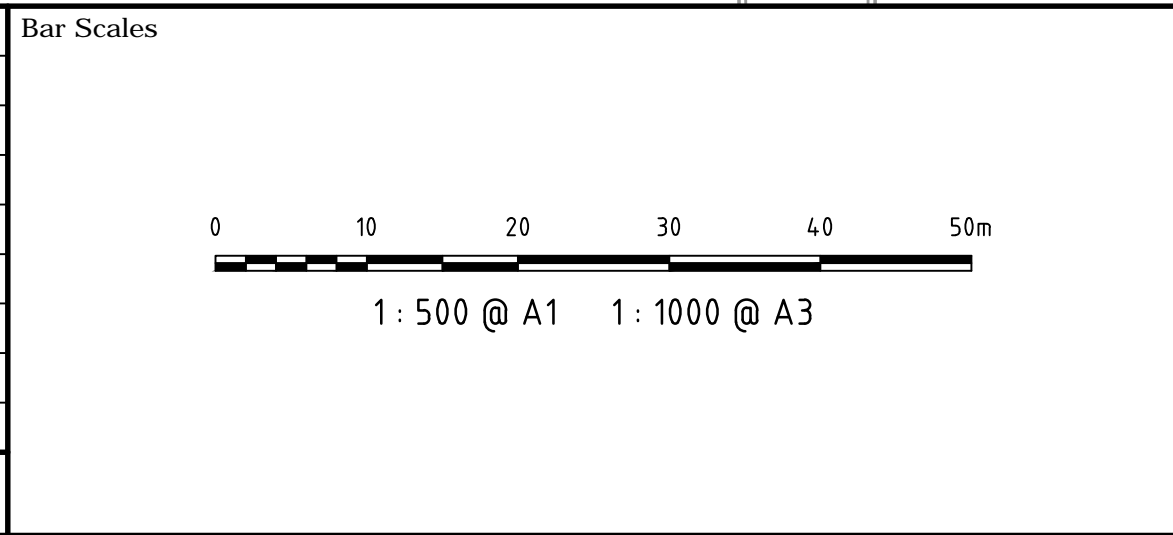
Scales	AS SHOWN	Drawn	QD
Grid	MGA	Designed	FX & QD
Height Datum	AHD	Checked	MG
		Approved	

Project	130-150 BUNNERONG ROAD PAGEWOOD STAGE 2
Title	STORMWATER DRAINAGE DETAILS

Civil Engineers and Project Managers		
at&l Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR TENDER NOT TO BE USED FOR CONSTRUCTION	A1
Drawing No.	DAC1227	Issue
Project No.	13-155	C



C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19
Issue	Description	Date



THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

KARIMBLA
CONSTRUCTION SERVICES (NSW)
PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: <http://www.meriton.com.au>

Drawn	QD
Designed	FX & QD
Checked	MG
Approved	
Scales	
1 : 500	
Grid	MGA
Height Datum	AHD

Project

**130-150
BUNNERONG ROAD
PAGEWOOD
STAGE 2**

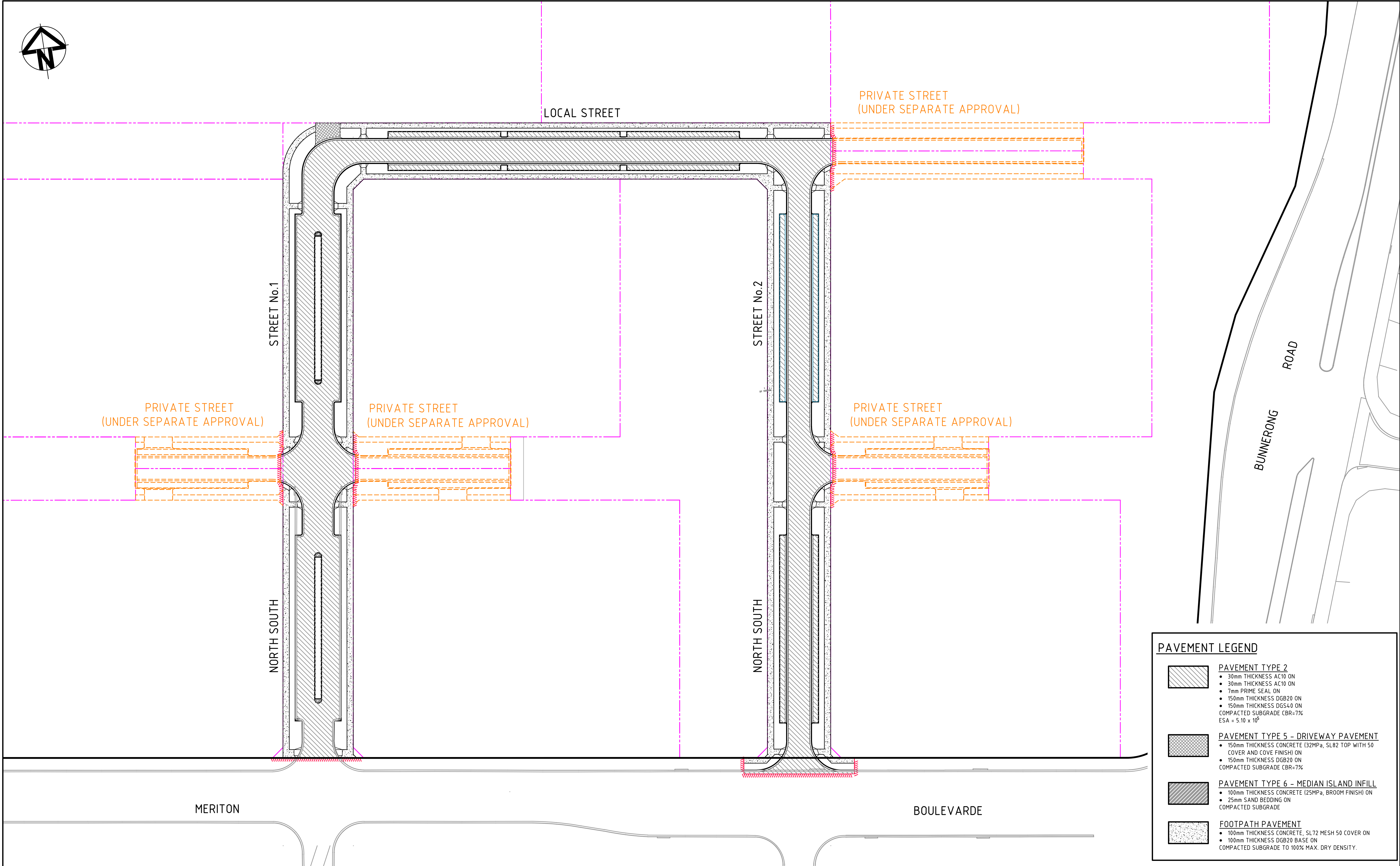
Title

**SIGNAGE AND LINEMARKING
PLAN**

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status	FOR TENDER	A1
NOT TO BE USED FOR CONSTRUCTION		
Drawing No.	Project No.	Issue
DAC1230	13-155	C



PAVEMENT LEGEND

PAVEMENT TYPE 2

- 30mm THICKNESS AC10 ON
- 30mm THICKNESS AC10 ON
- 7mm PRIME SEAL ON
- 150mm THICKNESS DGB20 ON
- 150mm THICKNESS DGS40 ON

COMPACTED SUBGRADE CBR=7%
ESA = 5.10 x 10⁵

PAVEMENT TYPE 5 – DRIVEWAY PAVEMENT

- 150mm THICKNESS CONCRETE (32MPa, SL82 TOP WITH 50 COVER AND COVE FINISH) ON
- 150mm THICKNESS DGB20 ON

COMPACTED SUBGRADE CBR=7%

PAVEMENT TYPE 6 – MEDIAN ISLAND INFILL

- 100mm THICKNESS CONCRETE (25MPa, BROOM FINISH) ON
- 25mm SAND BEDDING ON

COMPACTED SUBGRADE

FOOTPATH PAVEMENT

- 100mm THICKNESS CONCRETE, SL72 MESH 50 COVER ON
- 100mm THICKNESS DGB20 BASE ON

COMPACTED SUBGRADE TO 100% MAX. DRY DENSITY.

C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19
Issue	Description	Date

Bar Scales

01020304050m

1 : 500 @ A1 1 : 1000 @ A3

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

KARIMBLA

CONSTRUCTION SERVICES (NSW) PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: <http://www.meriton.com.au>

Scales	1 : 500	Drawn	QD
		Designed	FX & QD
Grid	MGA	Checked	MG
Height Datum	AHD	Approved	

Project

130-150 BUNNERONG ROAD PAGWOOD STAGE 2

Title

PAVEMENT PLAN

Civil Engineers and Project Managers

at&l

Status

FOR TENDER

NOT TO BE USED FOR CONSTRUCTION

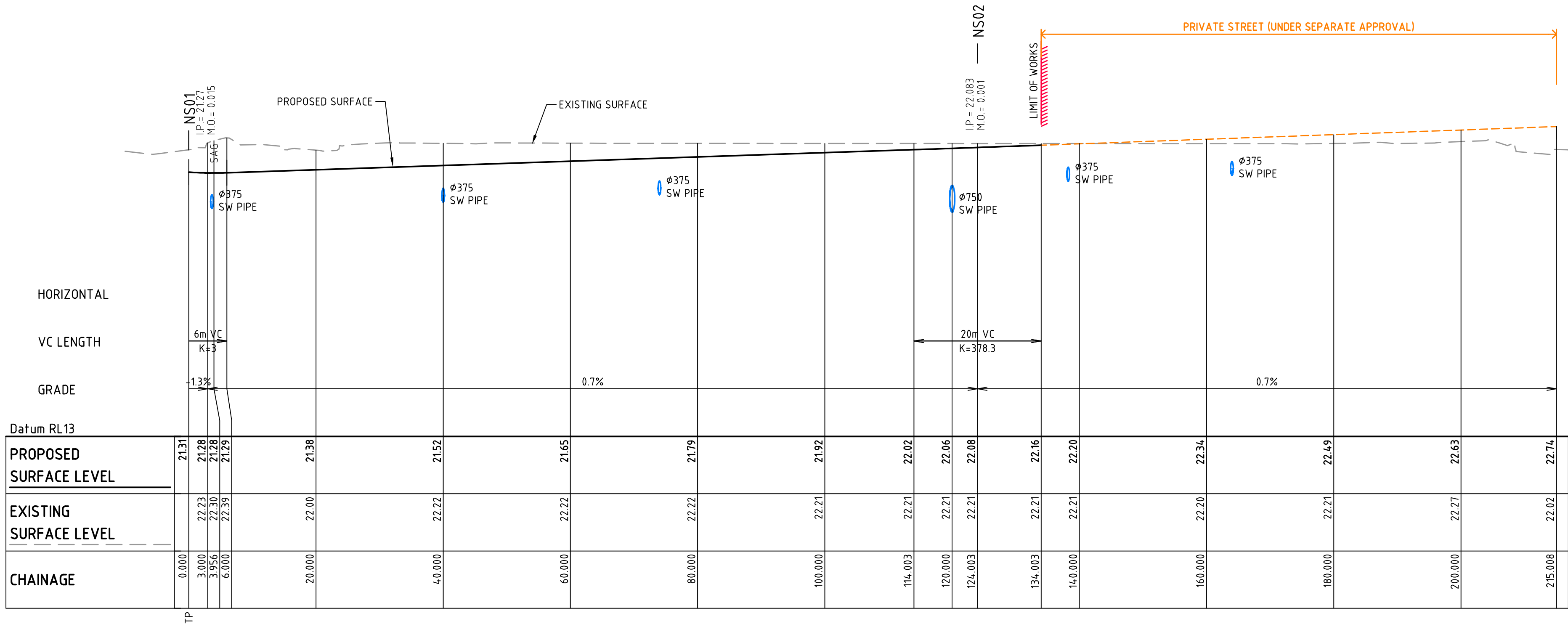
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Drawing No.

13-155

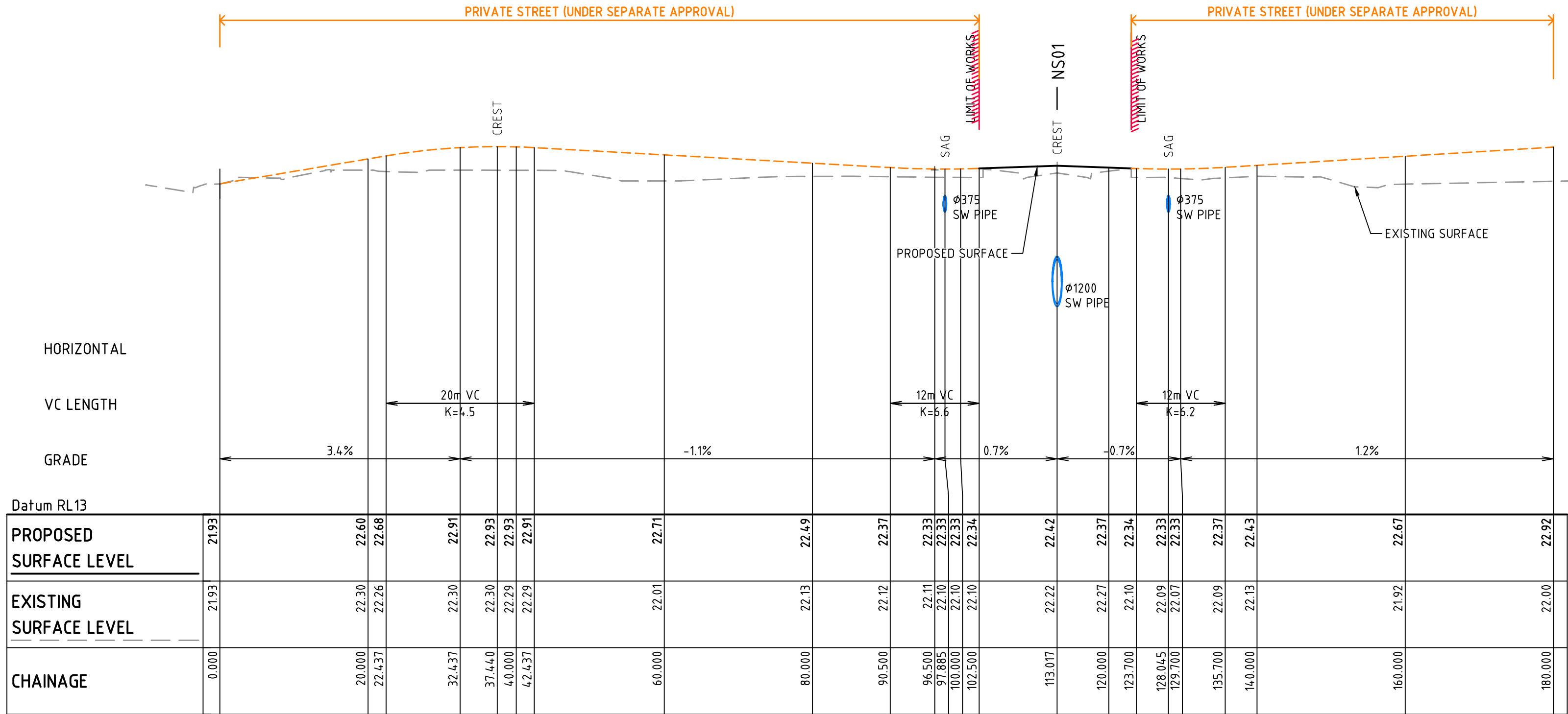
Issue

C



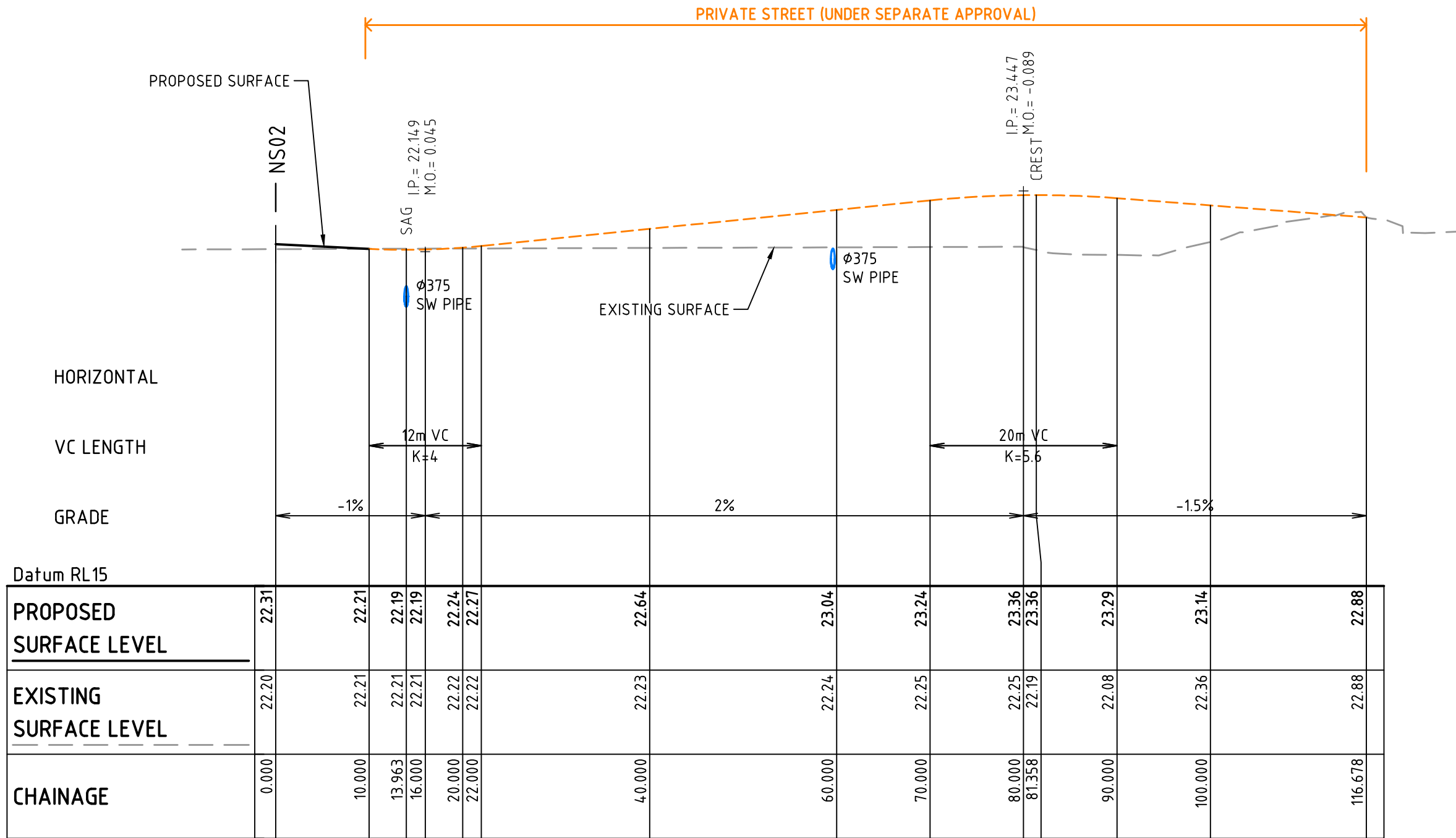
LONGITUDINAL SECTION - LOCAL STREET (ML01)

SCALE 1:500 HORI.
1:100 VERT.



LONGITUDINAL SECTION - LOCAL STREET (ML02)

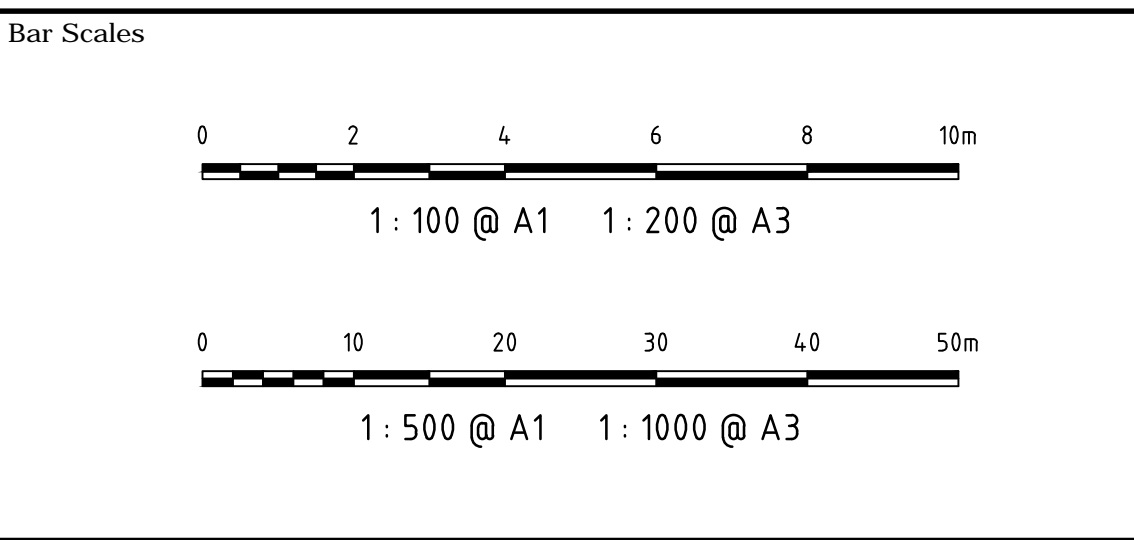
SCALE 1:500 HORI.
1:100 VERT.



LONGITUDINAL SECTION - LOCAL STREET (ML03)

SCALE 1:500 HORI.
1:100 VERT.

C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19
Issue	Description	Date



THIS DRAWING CANNOT BE
COPIED OR REPRODUCED IN
ANY FORM OR USED FOR ANY
OTHER PURPOSE OTHER THAN
THAT ORIGINALLY INTENDED
WITHOUT THE WRITTEN
PERMISSION OF AT&L

Client

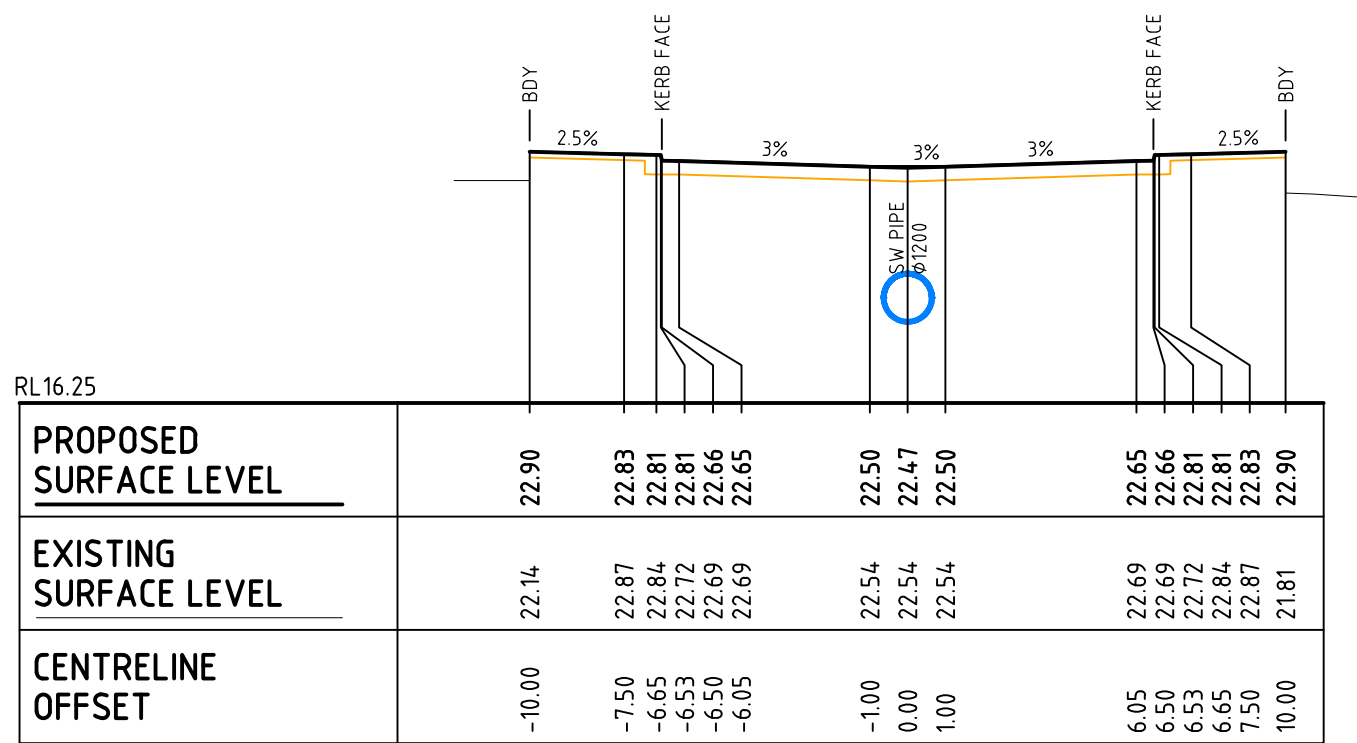
KARIMBLA
CONSTRUCTION SERVICES (NSW)
PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

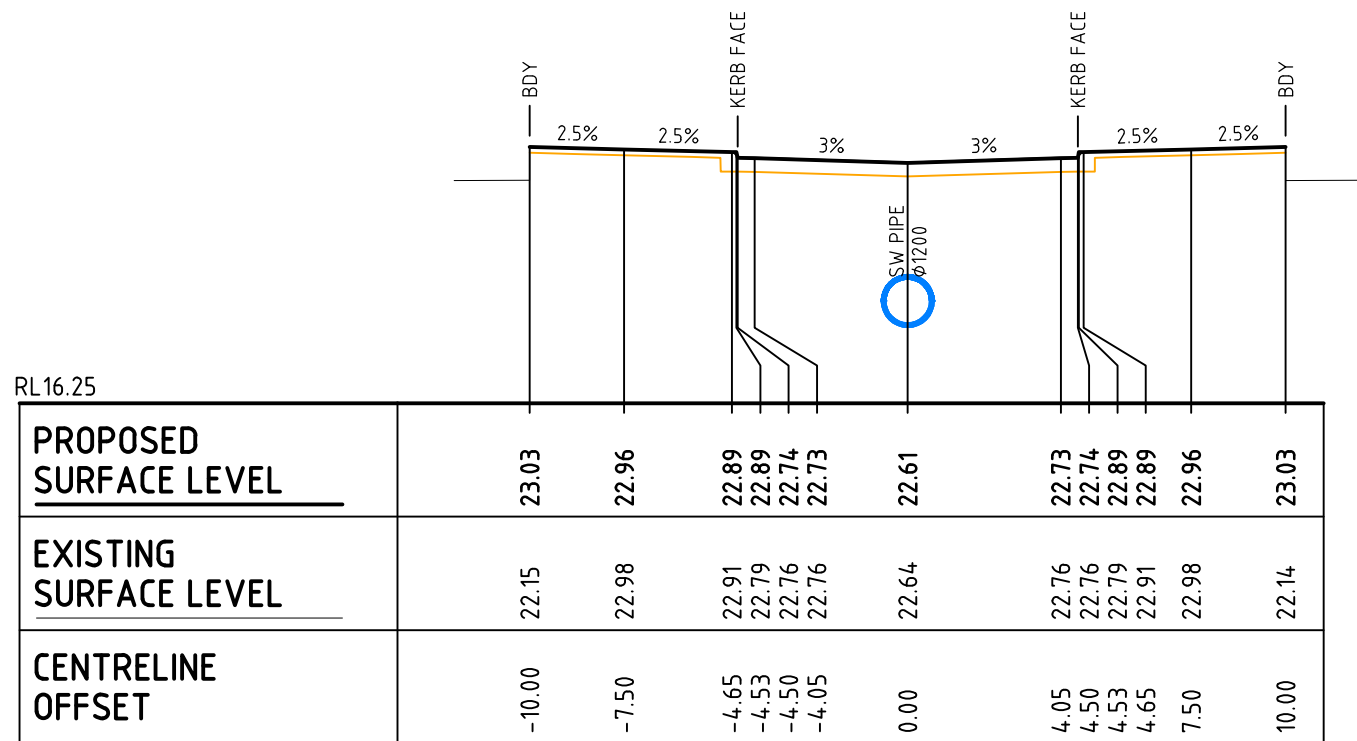
Scales	1 : 100 (V) 1 : 500 (H)	Drawn	QD
		Designed	FX & QD
Grid	MGA	Checked	MG
Height Datum	AHD	Approved	

Project	130-150 BUNNERONG ROAD PAGEWOOD STAGE 2
Title	ROAD LONGITUDINAL SECTIONS SHEET 2

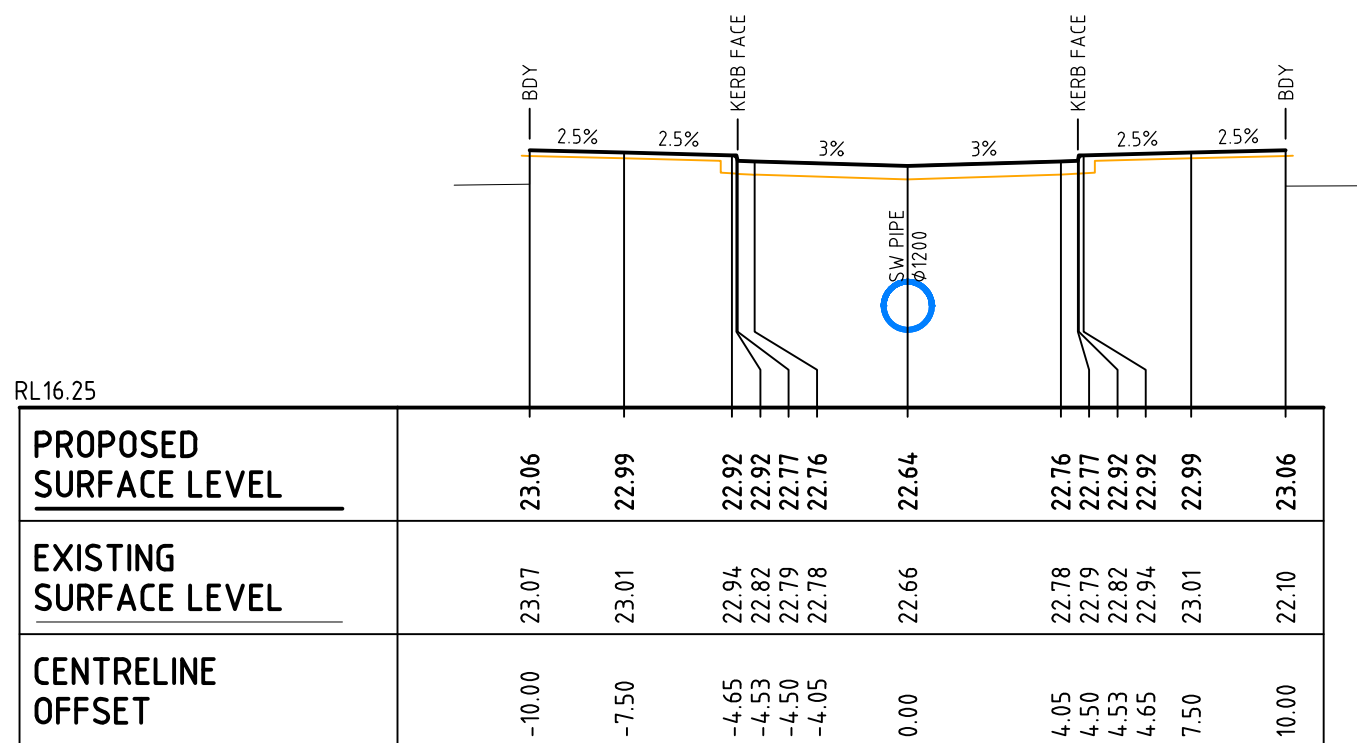
Civil Engineers and Project Managers		
at&l		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status	FOR TENDER NOT TO BE USED FOR CONSTRUCTION	A1
Drawing No.	Project No.	Issue
DAC1251	13-155	C



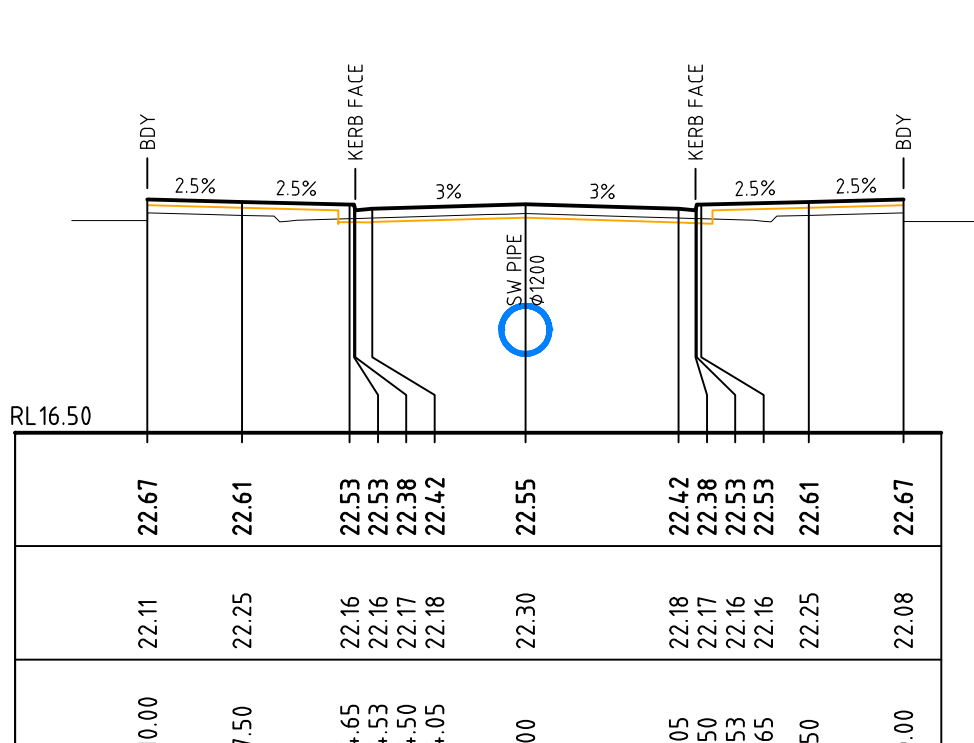
CH 40



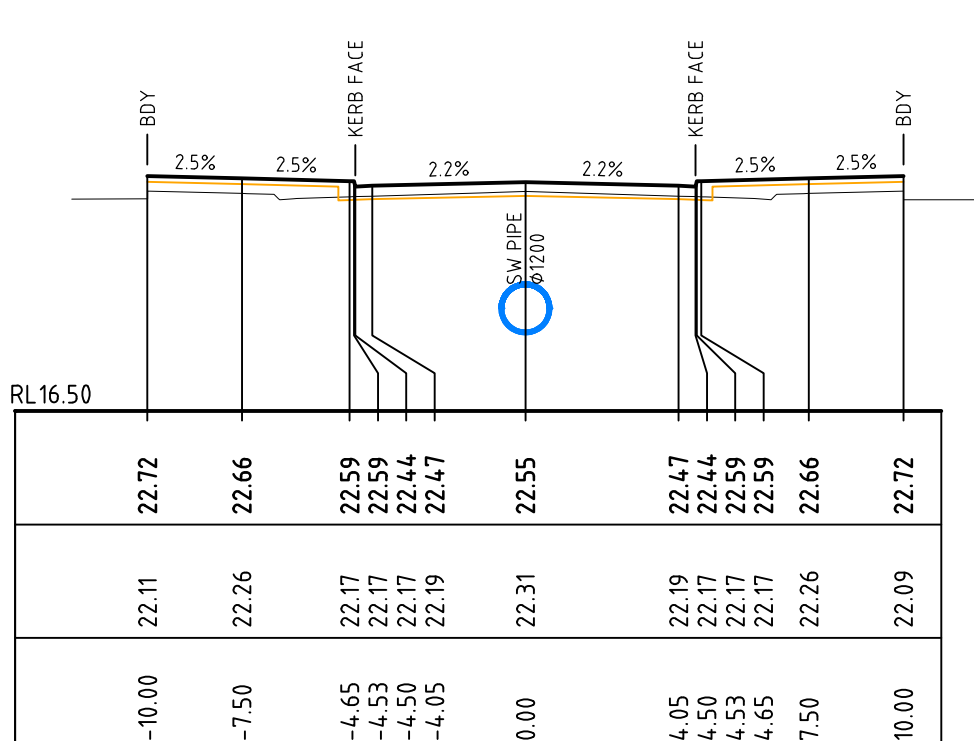
CH 20



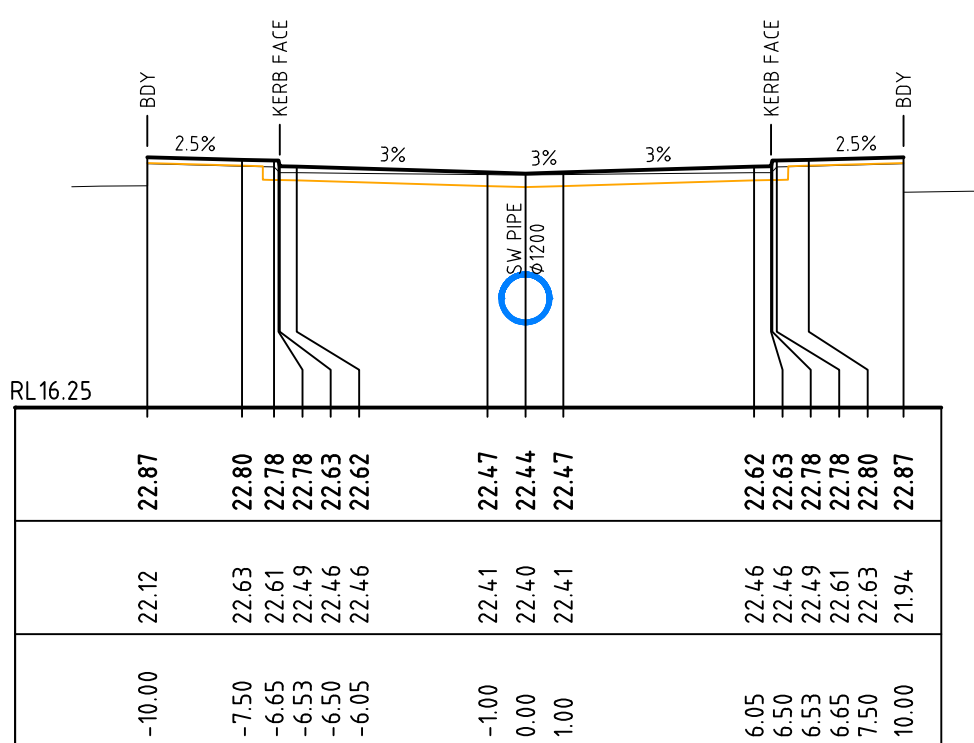
CH 15.997



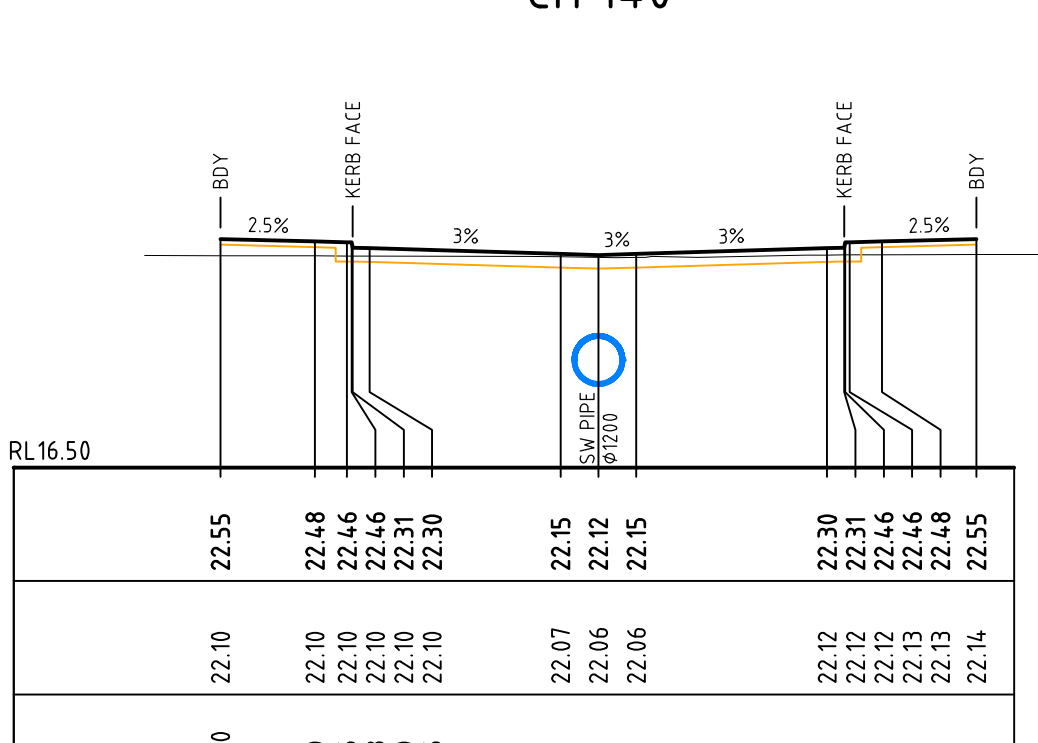
CH 81.397



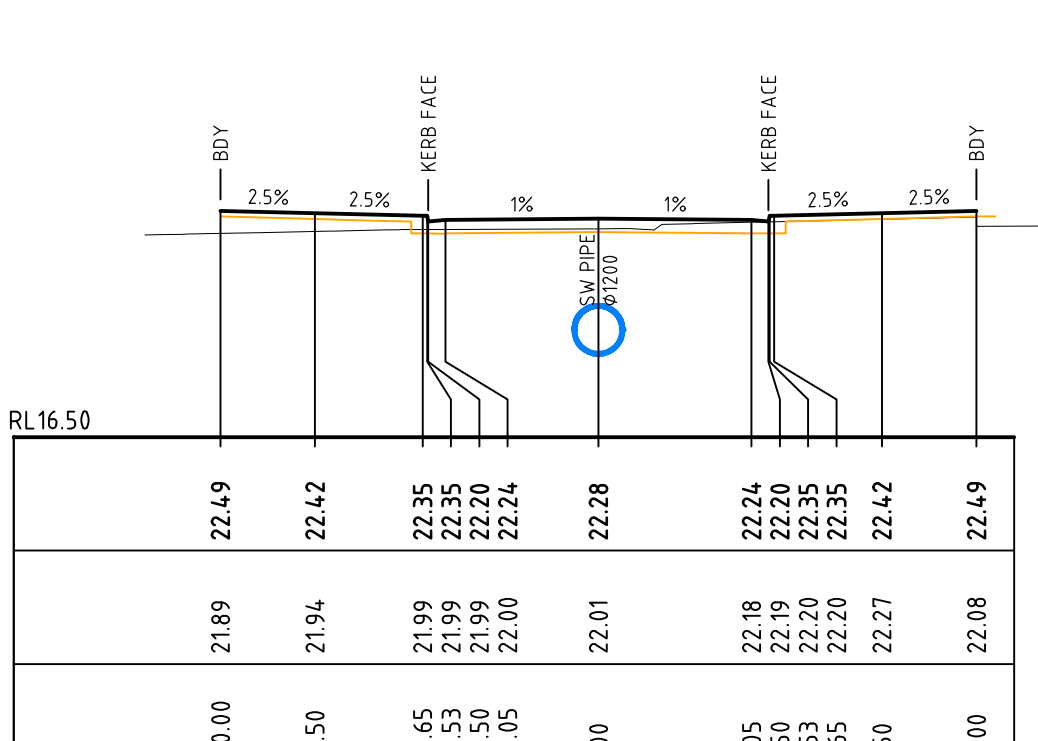
CH 80



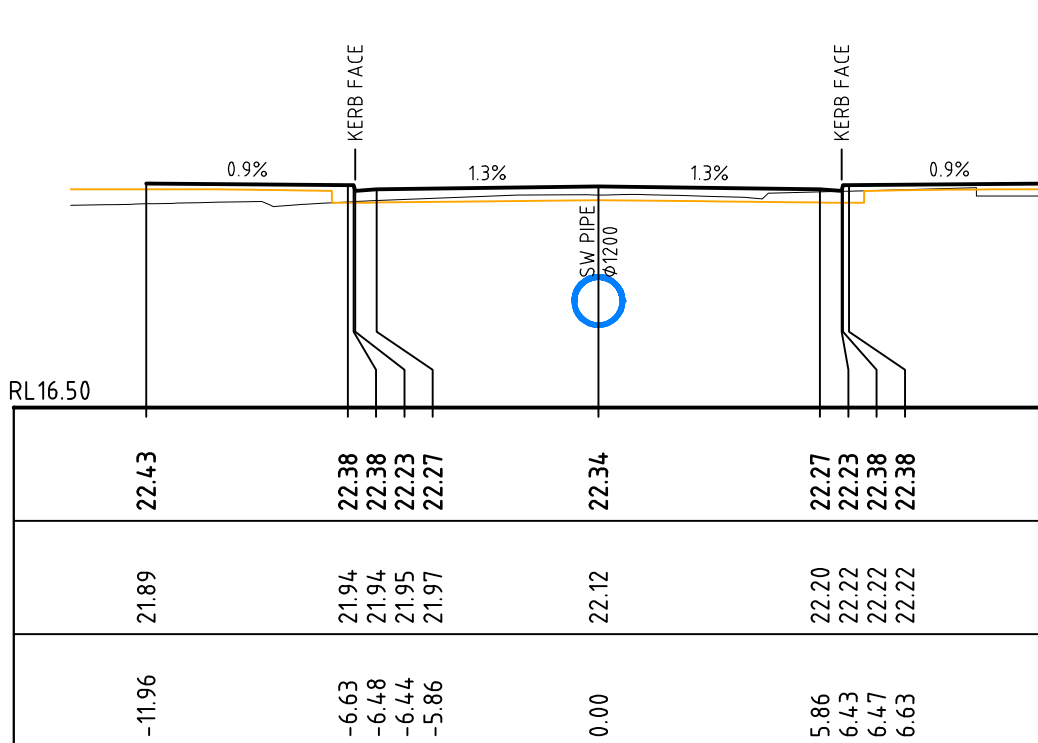
CH 60



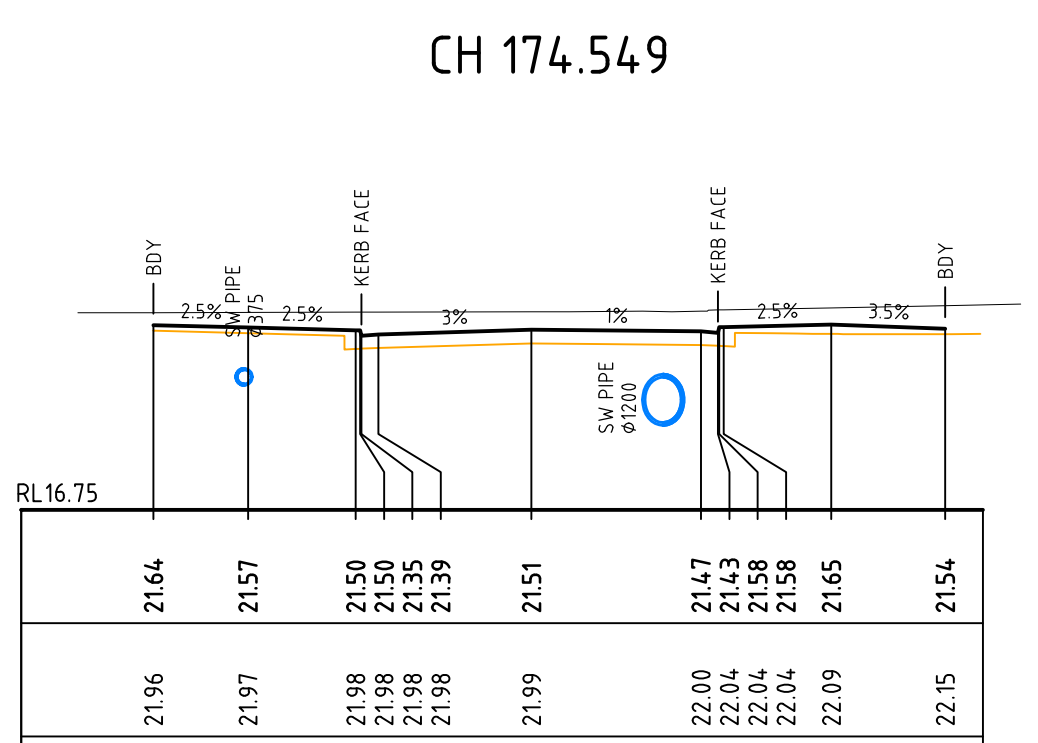
CH 120



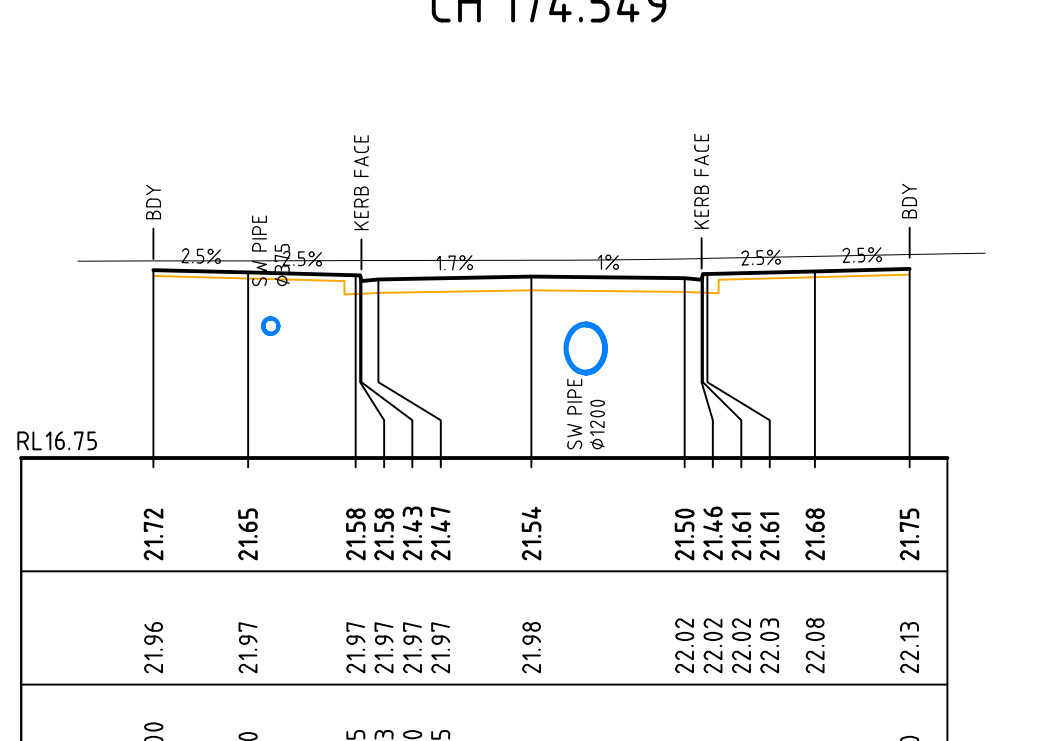
CH 105.397



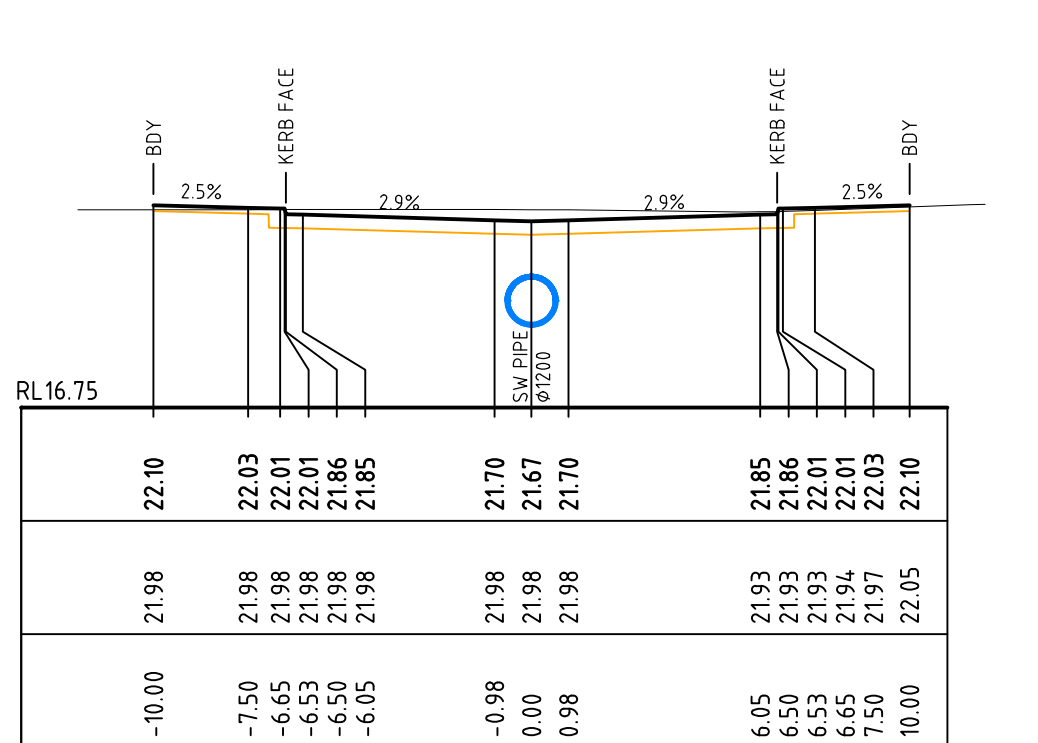
CH 100



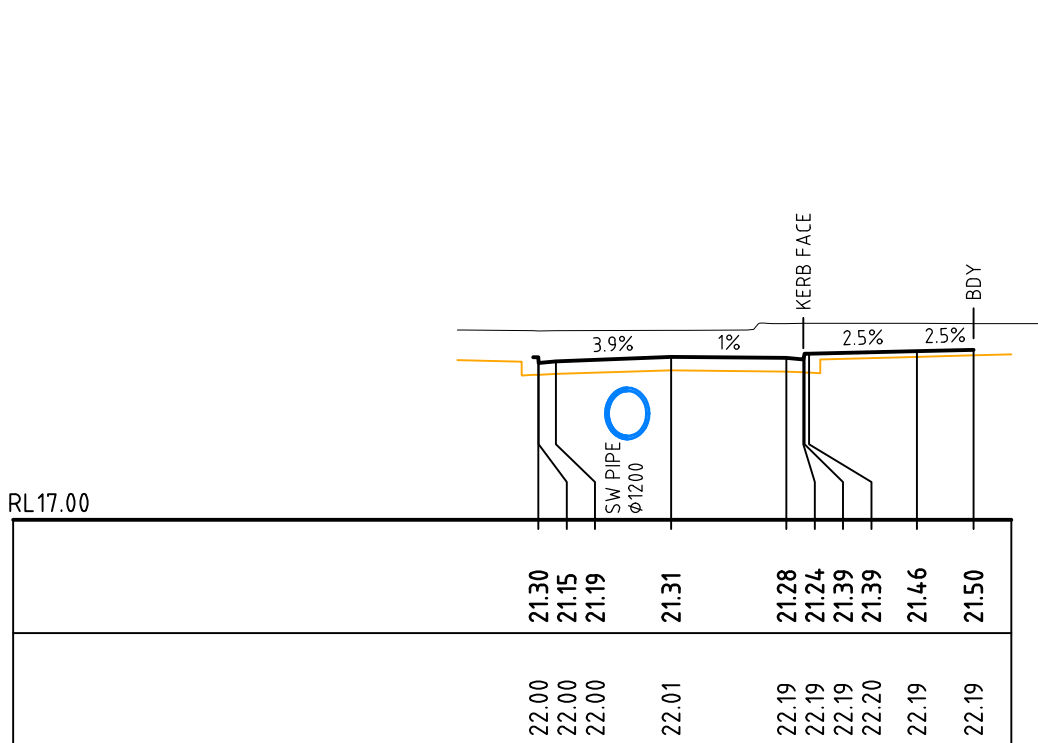
CH 174.549



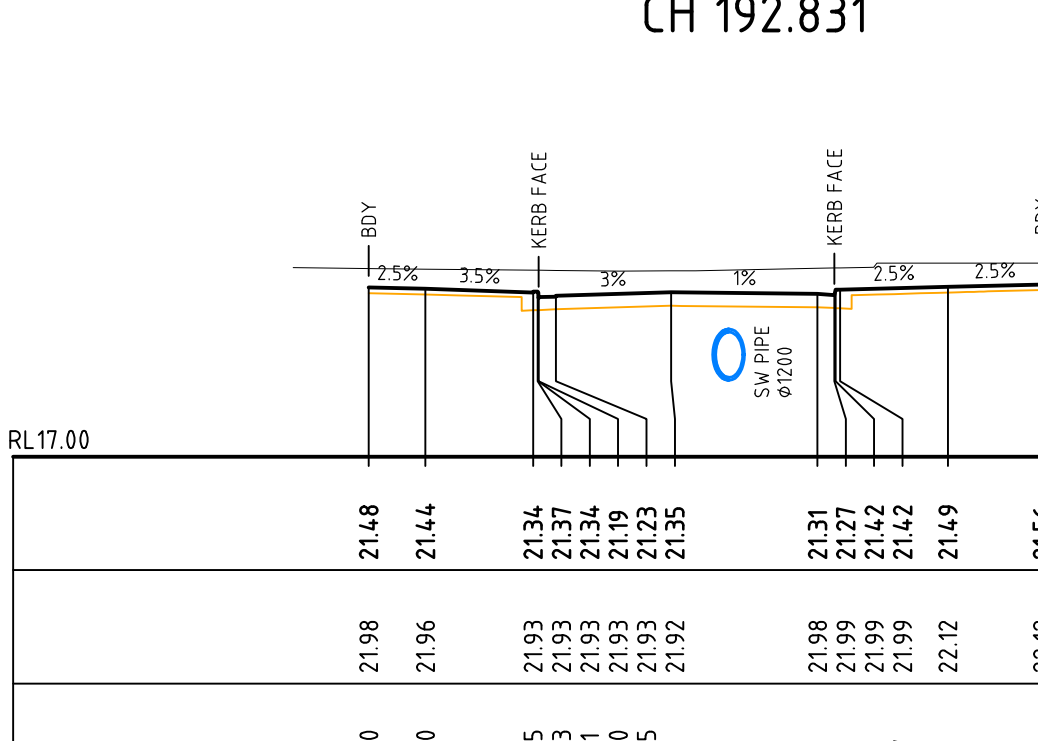
CH 174.549



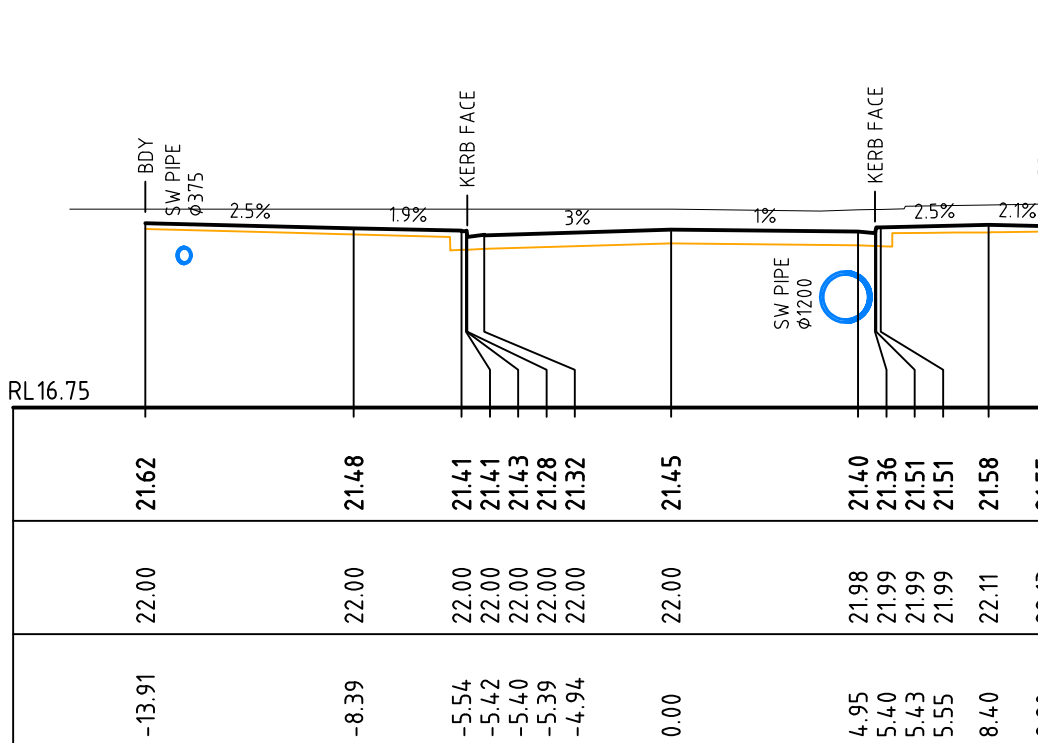
CH 171.798



CH 192.831



CH 189.08



CH 180

ROAD CROSS SECTIONS - NORTH SOUTH STREET No. 1 (NS01)
SCALE 1:200

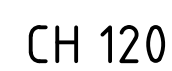
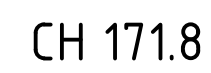
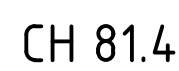
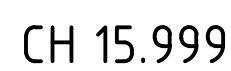
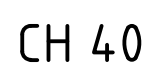
B	ISSUED FOR TENDER	04-03-20
A	ISSUED FOR PRICING	29-01-20
Issue	Description	Date

Bar Scales
0 5 10 15 20m
1 : 200 @ A1 1 : 400 @ A3

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client
KARIMBLA
CONSTRUCTION SERVICES (NSW) PTY LIMITED
Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales 1 : 200	Drawn Designed Checked Approved	QD FX & QD MG
Grid MGA		
Height Datum AHD		
Project 130-150 BUNNERONG ROAD PAGEWOOD STAGE 2		
Title ROAD CROSS SECTIONS NORTH SOUTH STREET No. 1 (NS01) SHEET 1		
Civil Engineers and Project Managers at&l Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Status NOT TO BE USED FOR CONSTRUCTION	FOR TENDER	A1
Drawing No. DAC1255	Project No. 13-155	Issue B



SCALE 1:200

Bar Scales



Client



Scales

Drawn

Height	AH
--------	----

Project	
---------	--

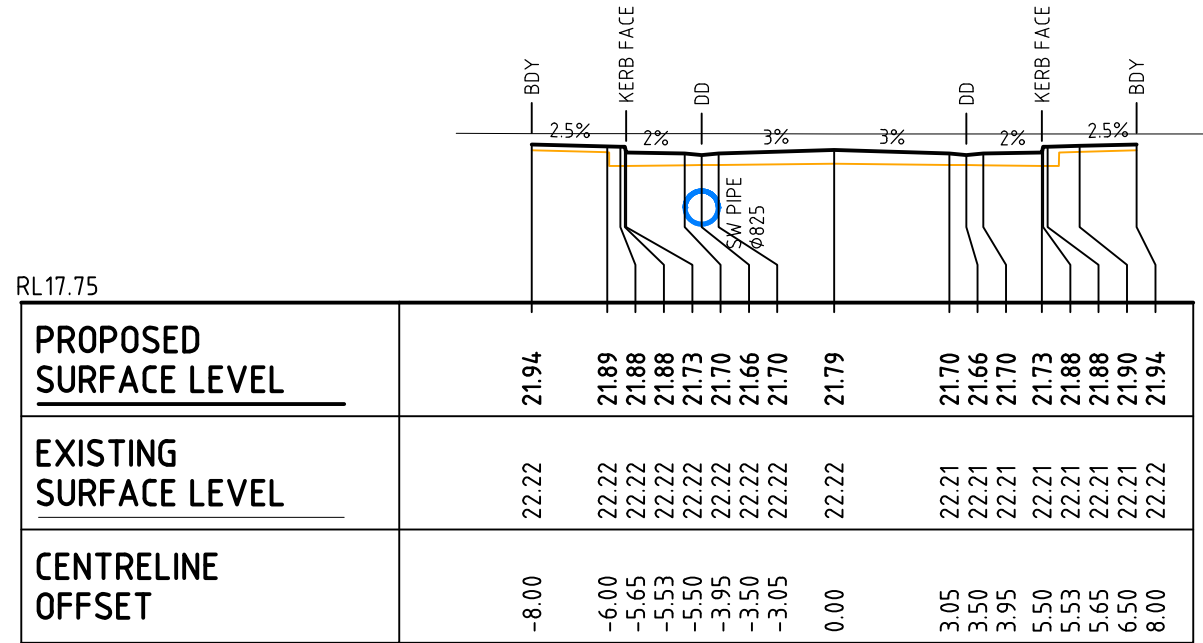
1

Civil Engineers and Project Managers

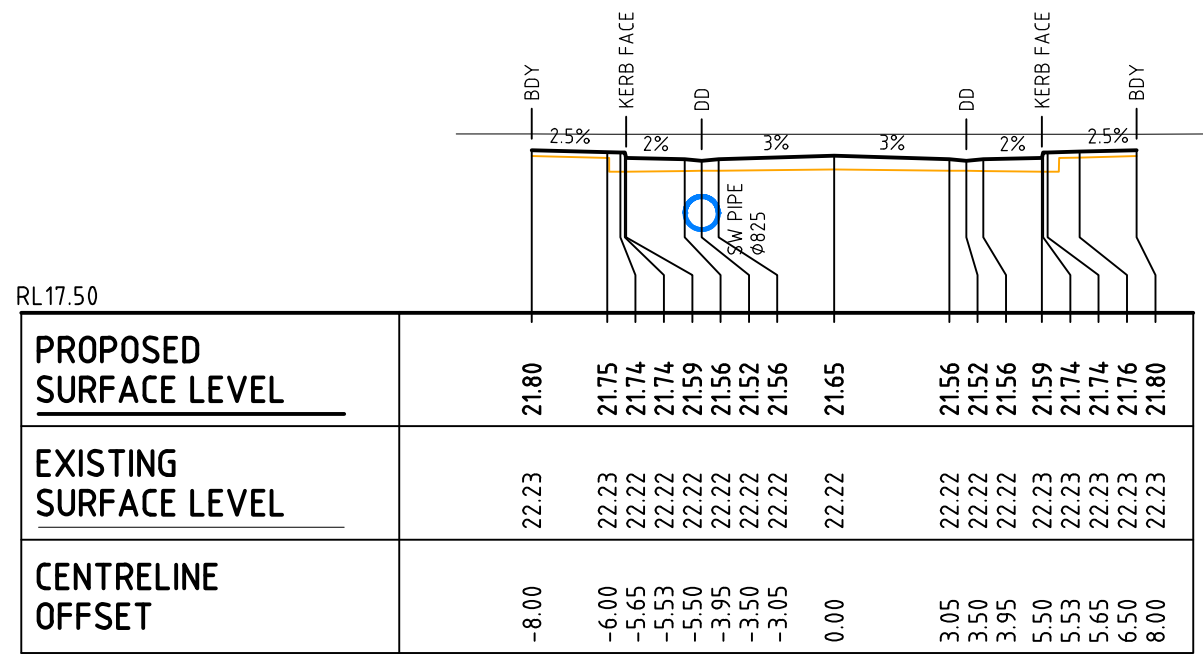


	A1
--	----

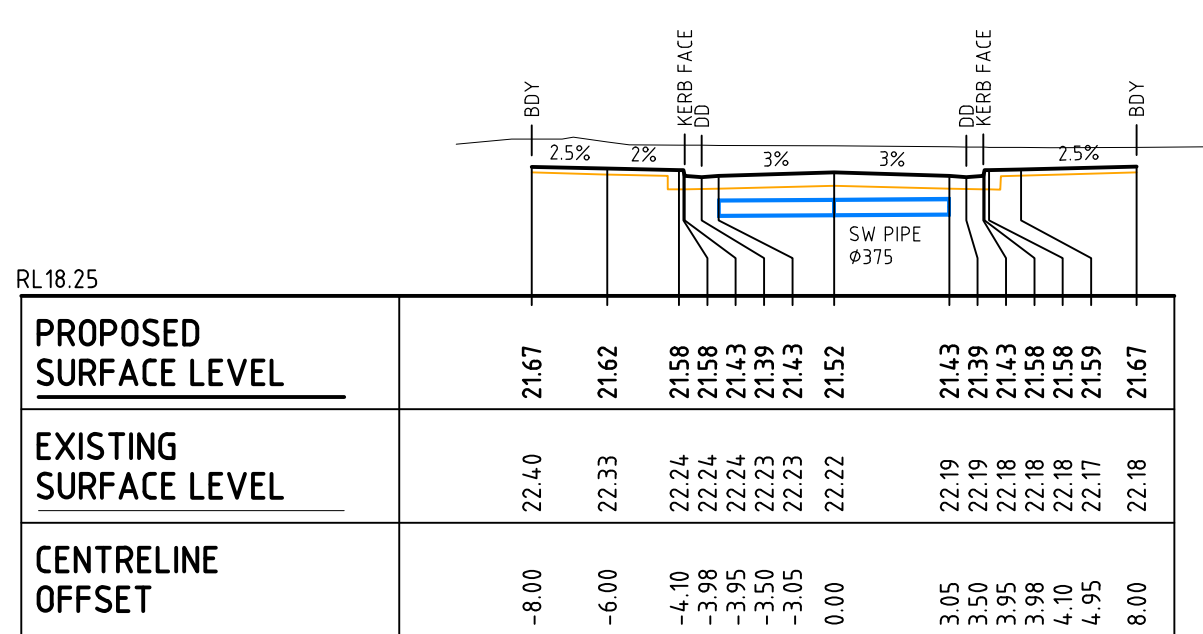
Date Plotted: 4 Mar 2020 - 04:04PM File Name: F:\13-155 Pagewood\Drugs\Civil\Final\1200_DAC Road Stage 2\DAC1256.dwg



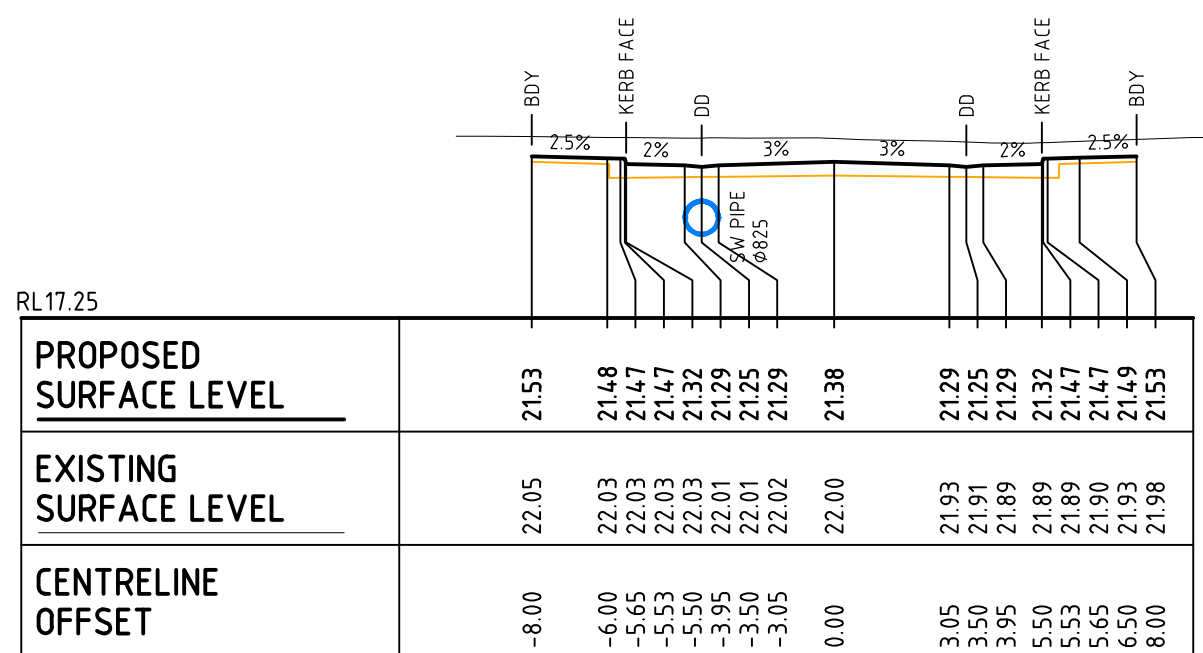
CH 80



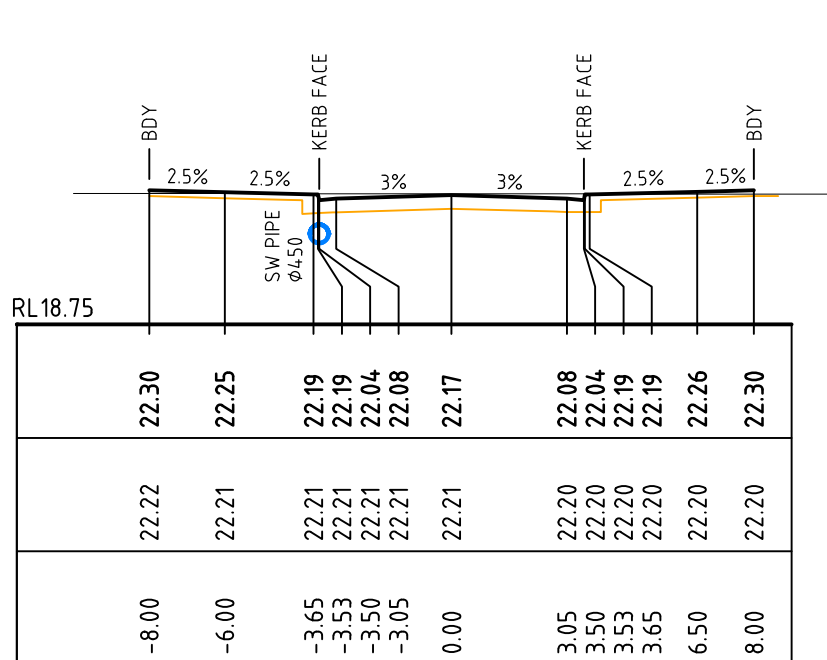
CH 60



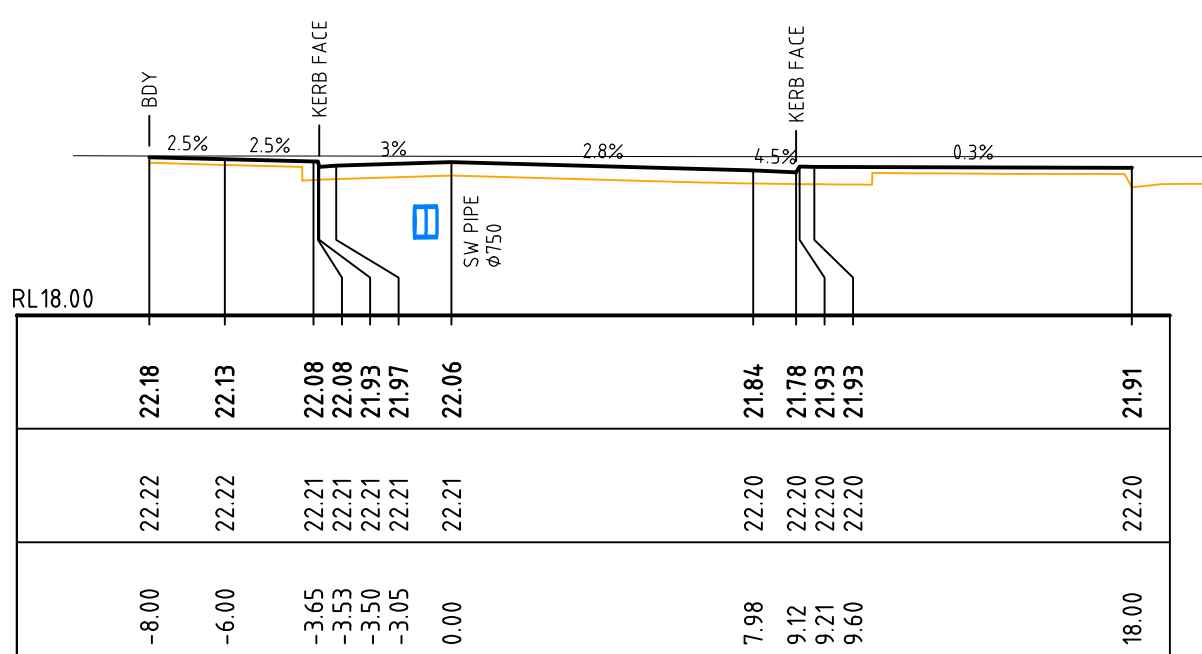
CH 40



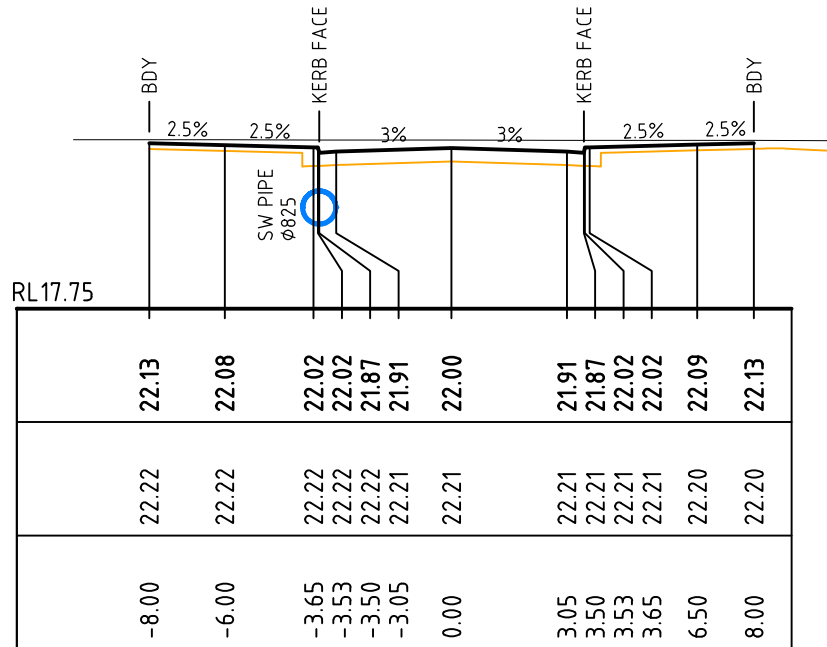
CH 20



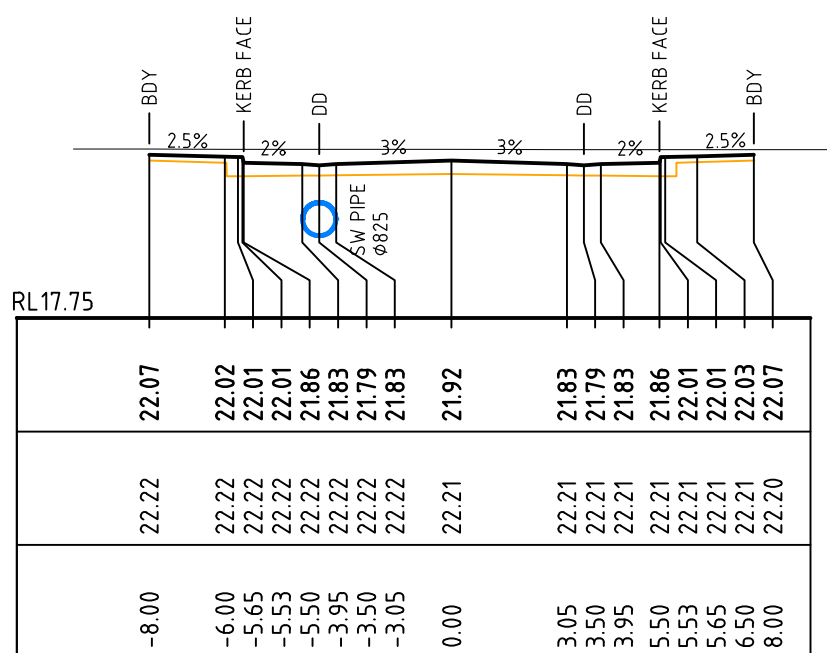
CH 136.003



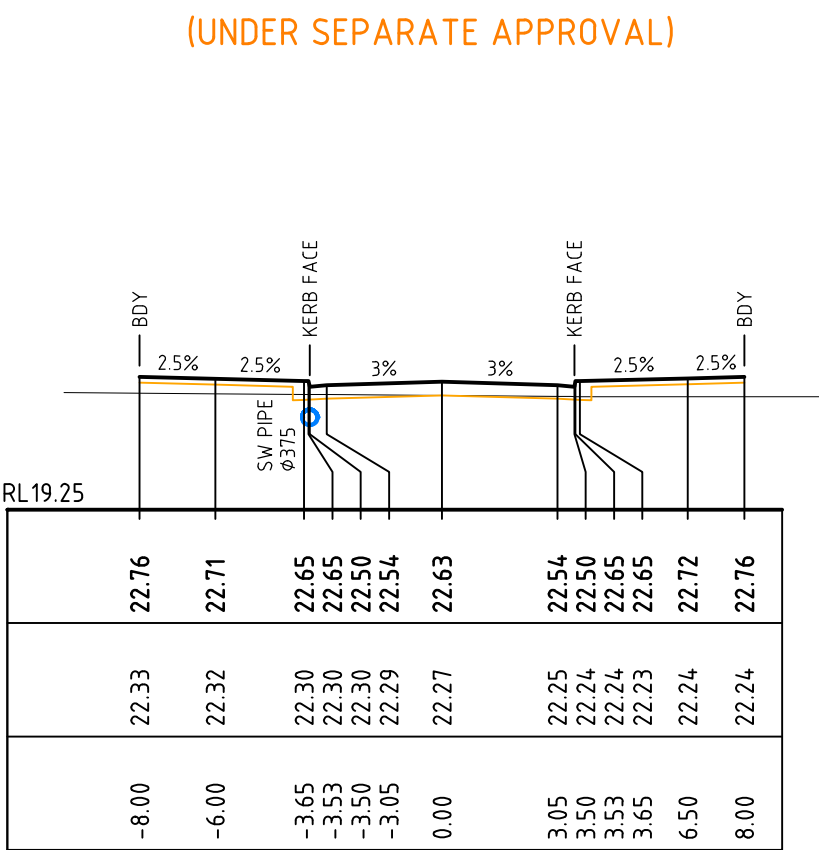
CH 120



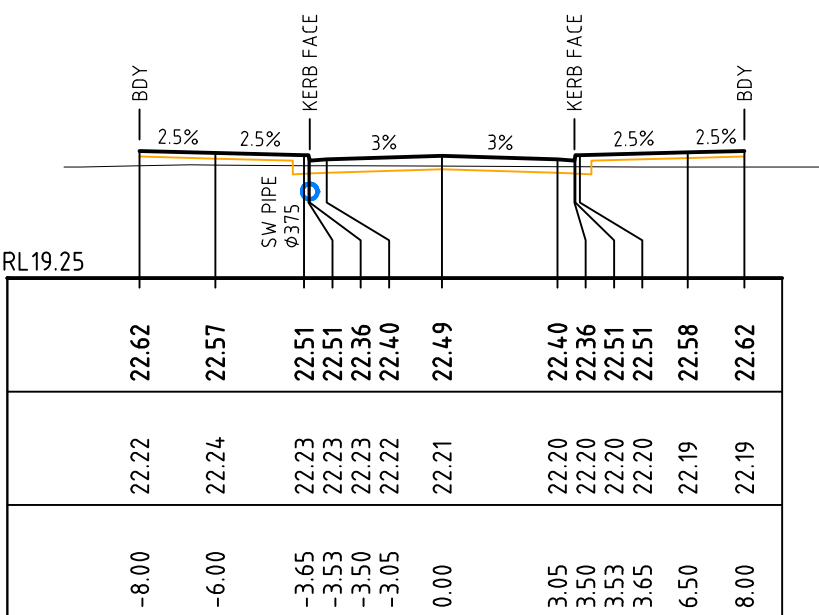
CH 112.003



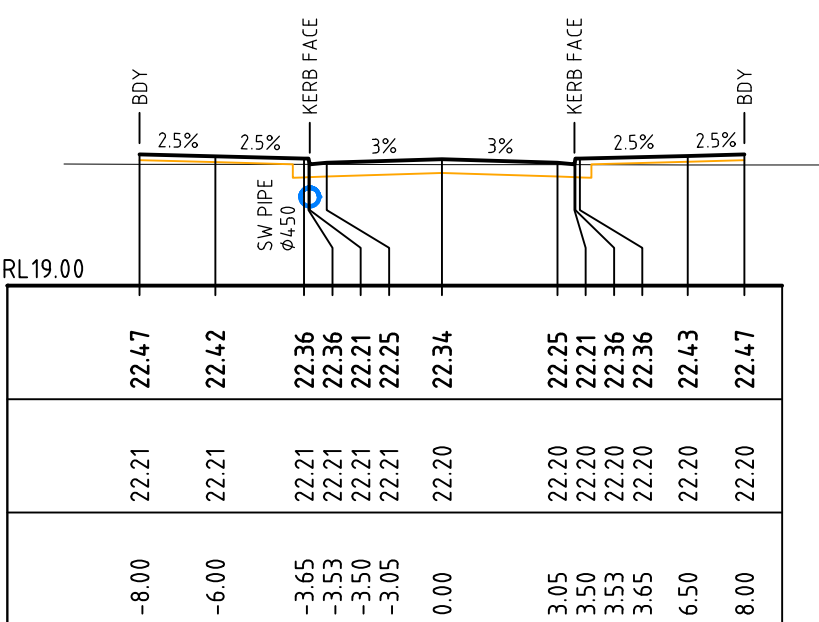
CH 100



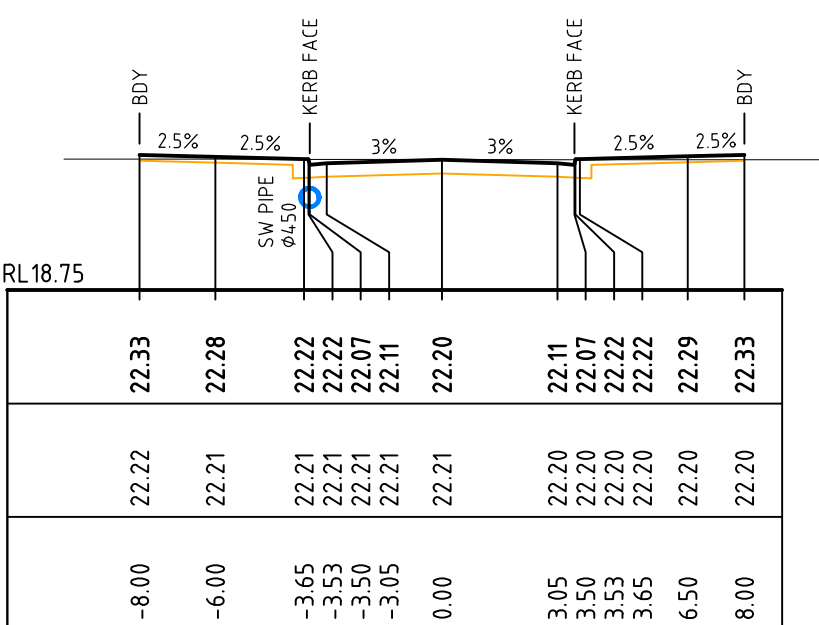
CH 200



CH 180



CH 160



CH 140

ROAD CROSS SECTIONS - LOCAL STREET (ML01)
SCALE 1:200

B	ISSUED FOR TENDER	04-03-20
A	ISSUED FOR PRICING	29-01-20
Issue	Description	Date

Bar Scales
1 : 200 @ A1 1 : 400 @ A3

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

KARIMBLA
CONSTRUCTION SERVICES (NSW) PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	1 : 200	Drawn	QD	Project	130-150 BUNNERONG ROAD PAGewood STAGE 2
Grid	MGA	Designed	FX & QD		
Height Datum	AHD	Checked	MG		
		Approved		Title	ROAD CROSS SECTIONS LOCAL STREET (ML01) SHEET 3

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status

FOR TENDER
NOT TO BE USED FOR CONSTRUCTION

Drawing No.

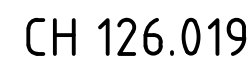
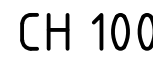
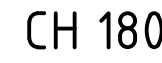
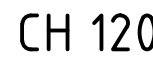
DAC1257

Project No.

13-155

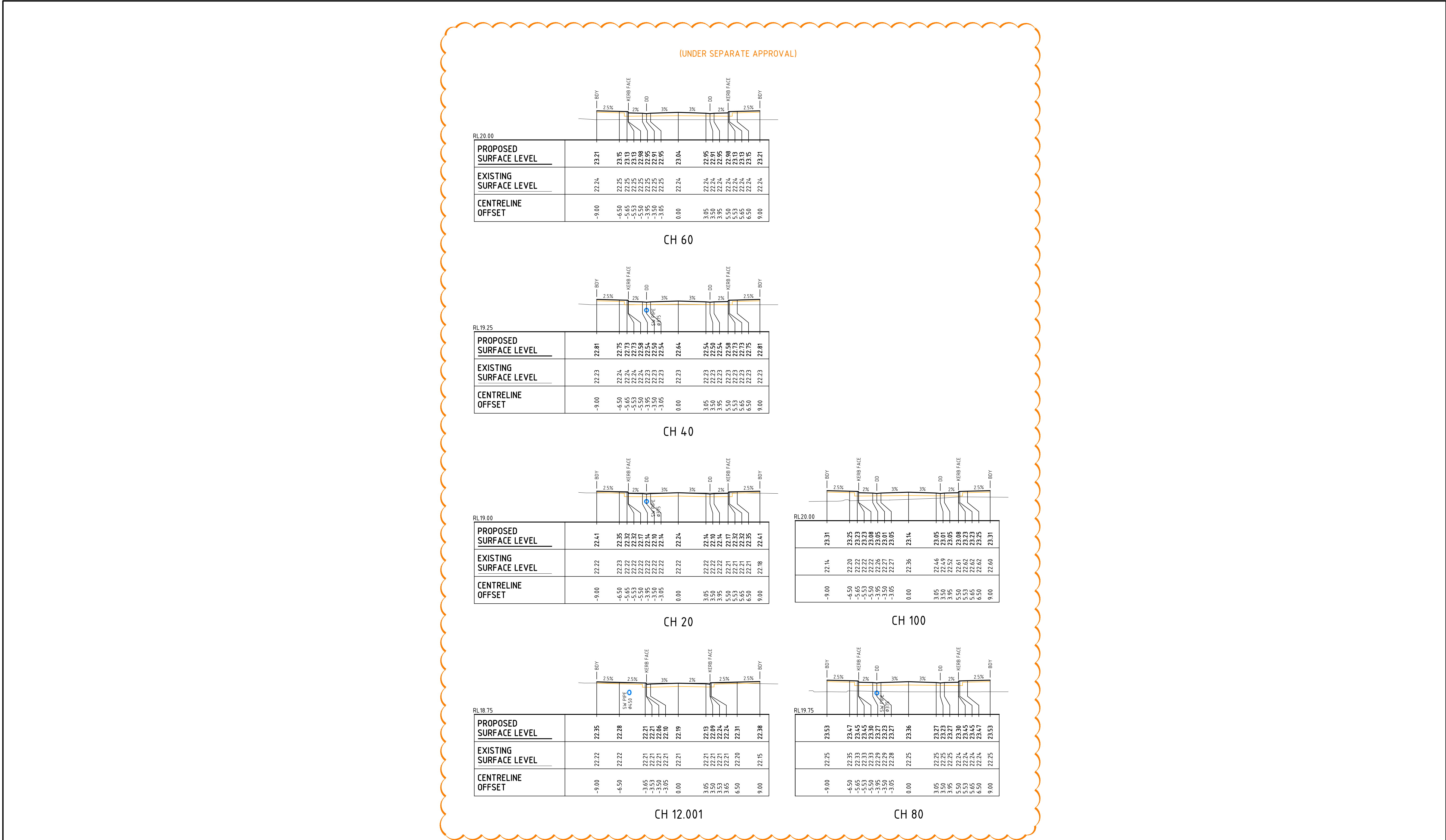
Issue

B



SCALE 1:200

Date Plotted: 4 Mar 2020 - 04:04PM File Name: F:\13-155 Pagewood\Drgs\Civil\Final\1200_DAC Road Stage 2\DAC1258.dwg

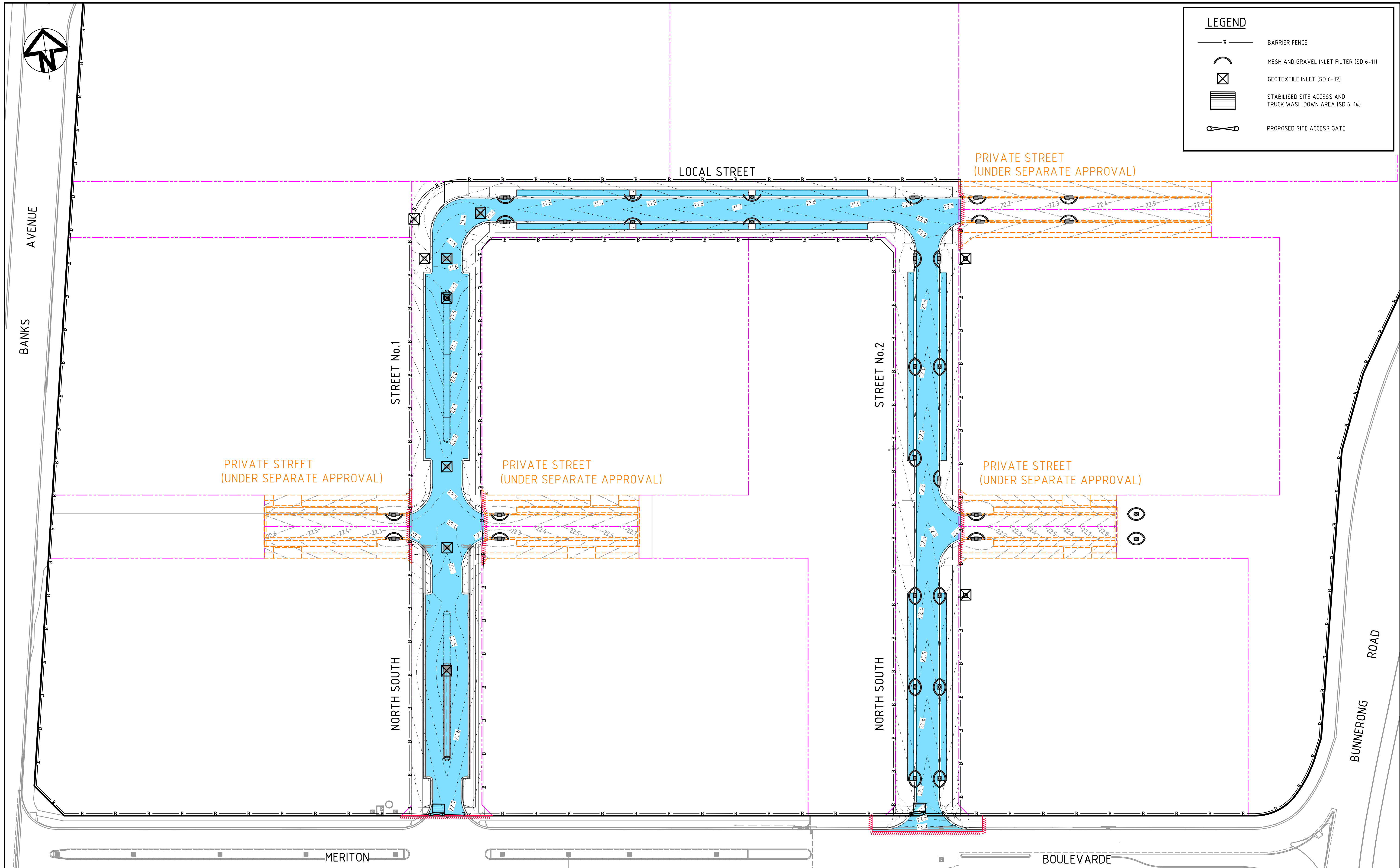


ROAD CROSS SECTIONS - LOCAL STREET (ML03)
SCALE 1:200

		Bar Scales		THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L		Client KARIMBLA CONSTRUCTION SERVICES (NSW) PTY LIMITED Level 11, 528 Kent Street, Sydney NSW 2000 Tel: (02) 9287 2888 Fax: (02) 9287 2777 Email: info@design.meriton.com.au Internet: http://www.meriton.com.au		Scales 1 : 200 Grid MGA Height Datum AHD		Drawn Designed Checked Approved		Project 130-150 BUNNERONG ROAD PAGWOOD STAGE 2		Civil Engineers and Project Managers at&l Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au					
B ISSUED FOR TENDER		04-03-20										Title ROAD CROSS SECTIONS LOCAL STREET (ML03) SHEET 5		Status FOR TENDER		A1			
A ISSUED FOR PRICING		29-01-20												Drawing No. DAC1259		Project No. 13-155		Issue B	
Issue		Description		Date															

100mm on Original

Date Plotted: 4 Mar 2020 - 04:04PM File Name: F:\13-155 Pagewood\Orgs\Civil\Final\1200_DAC Road Stage 2\DAC1259.dwg



LEGEND

- B BARRIER FENCE
- C MESH AND GRAVEL INLET FILTER (SD 6-11)
- X GEOTEXTILE INLET (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE

C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19
Issue	Description	Date

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

KARIMBLA
CONSTRUCTION SERVICES (NSW)
PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	1 : 500	Drawn	QD
		Designed	FX & QD
Grid	MGA	Checked	MG
Height Datum	AHD	Approved	

Project

**130-150 BUNNERONG ROAD
PAGEWOOD
STAGE 2**

Title

**EROSION AND
SEDIMENTATION
CONTROL PLAN**

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status

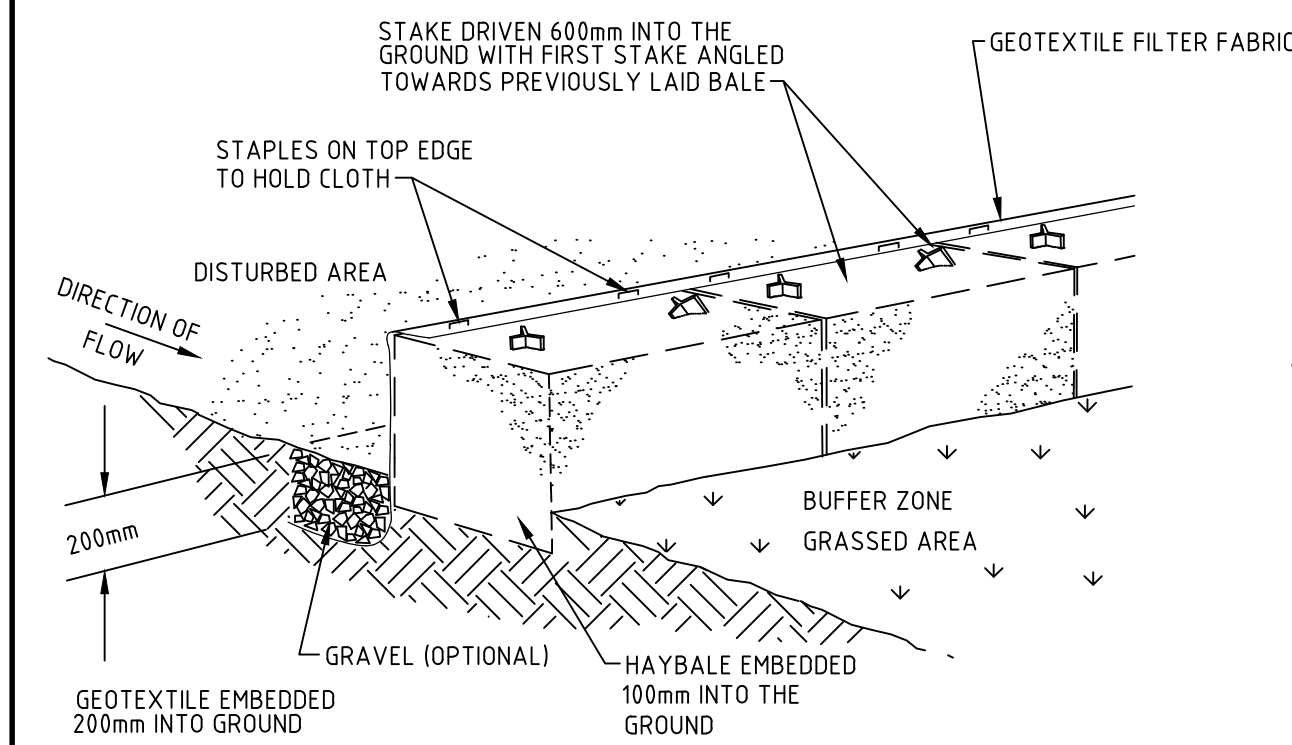
**FOR TENDER
NOT TO BE USED FOR CONSTRUCTION**

Drawing No. **DAC1260**

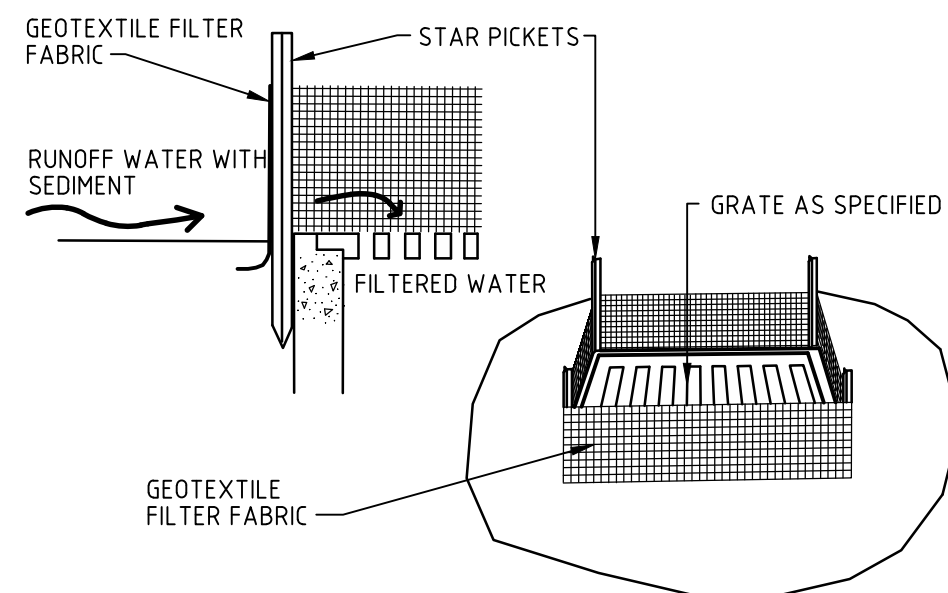
Project No. **13-155**

Issue **C**

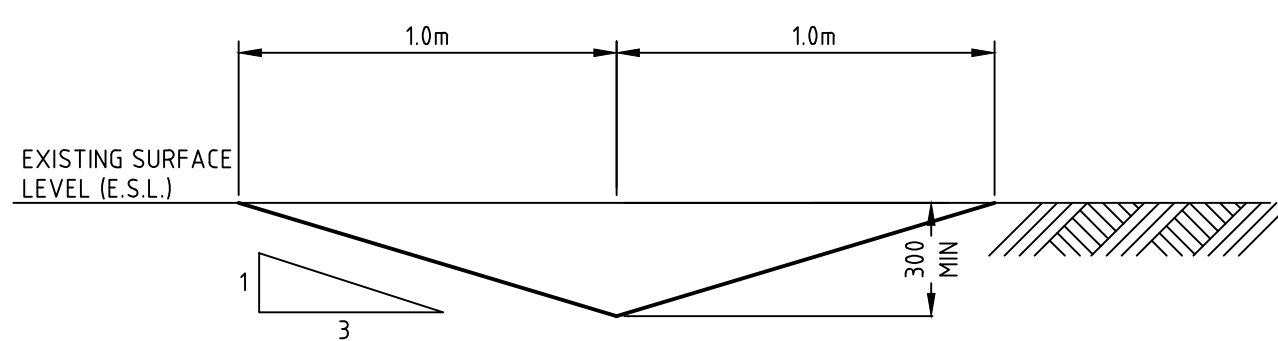
A1



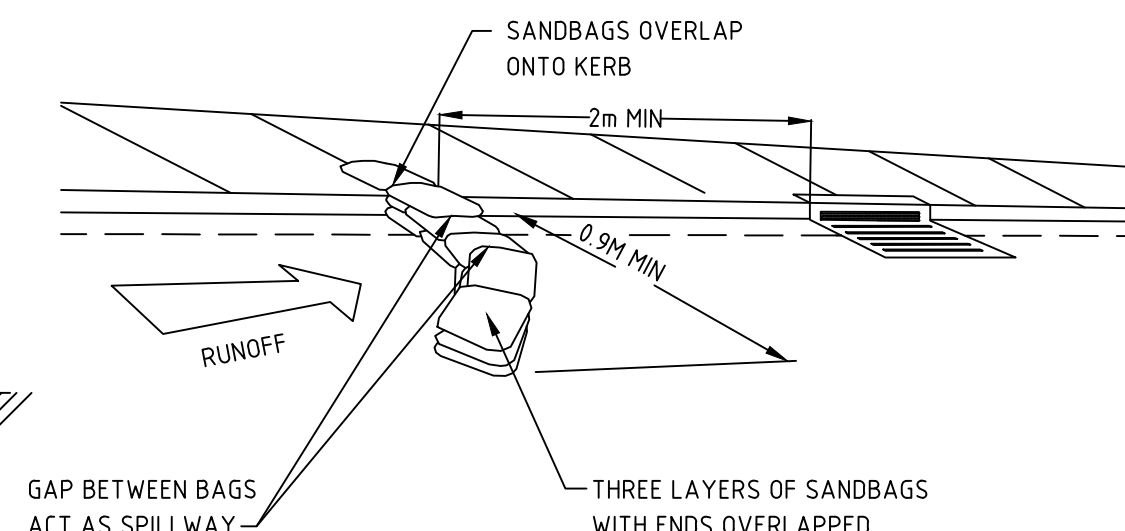
STRAW BALE FILTER
NTS



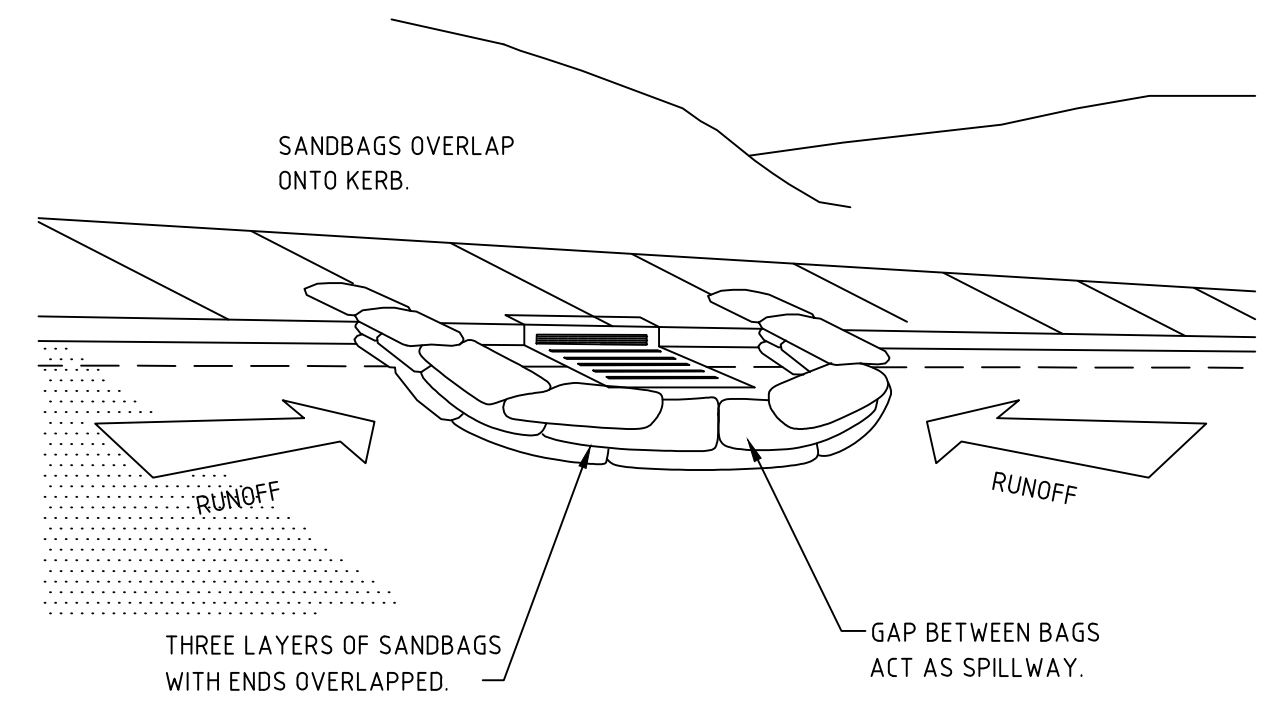
GEOTEXTILE FILTER PIT SURROUND
NTS



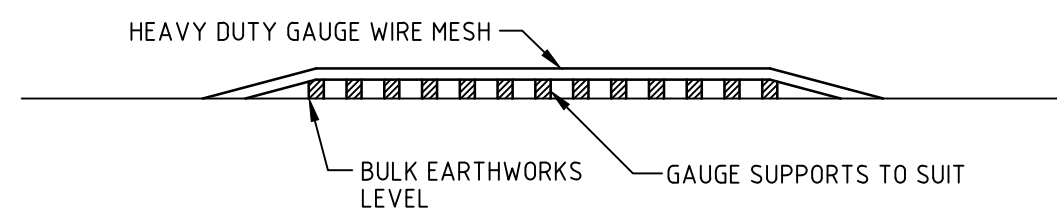
TEMPORARY CATCH DRAIN
(MIN FALL 1%)
SCALE 1:10



**SANDBAG SEDIMENT TRAP
FOR KERB INLET ON GRADE**
NTS

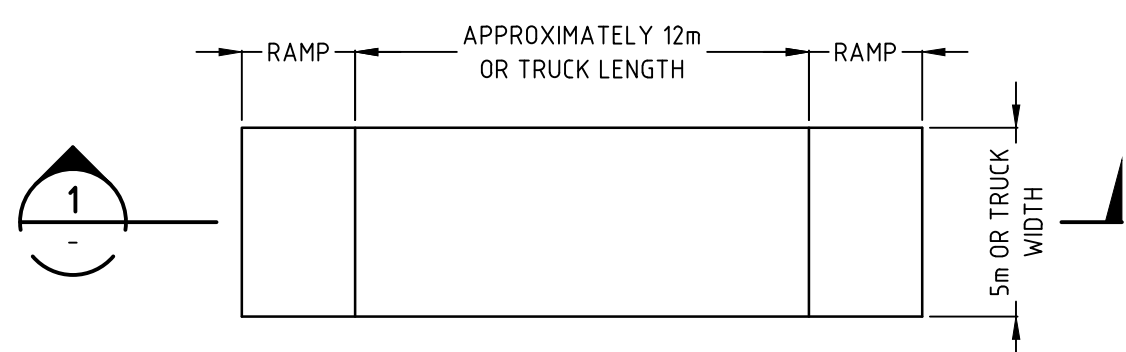


**SANDBAG SEDIMENT TRAP
FOR KERB INLET AT LOWPOINT**
NTS



ELEVATION

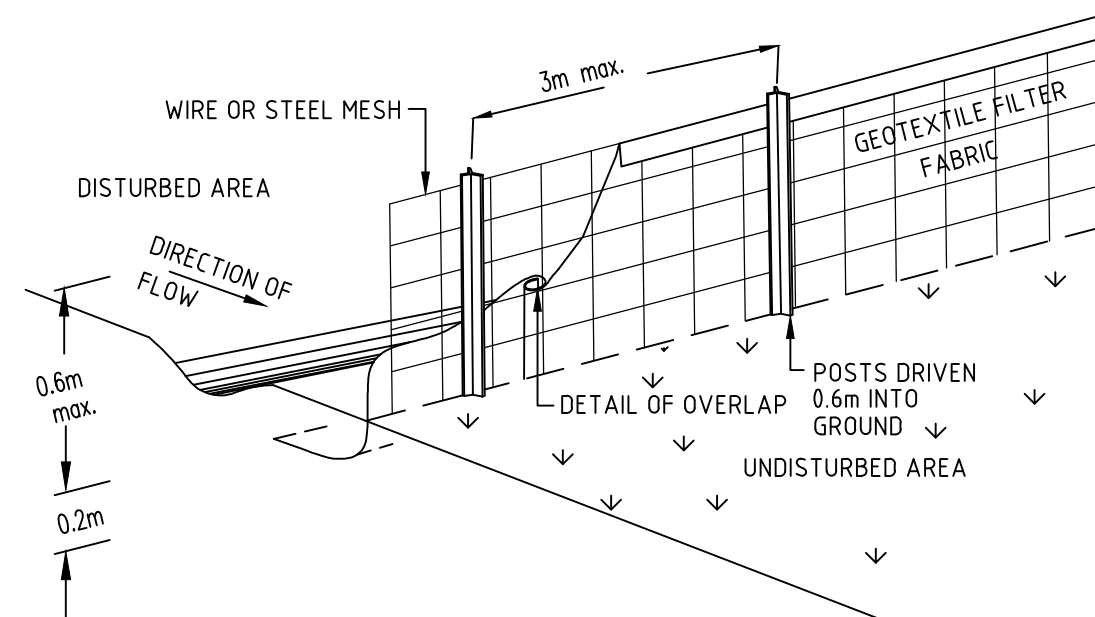
SECTION 1
1: 200



PLAN

TEMPORARY CONSTRUCTION EXIT
SCALE 1:200

THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH PREVENTS TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY. THIS MAY REQUIRE REPAIR AND OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY.



SEDIMENT FENCE
NTS

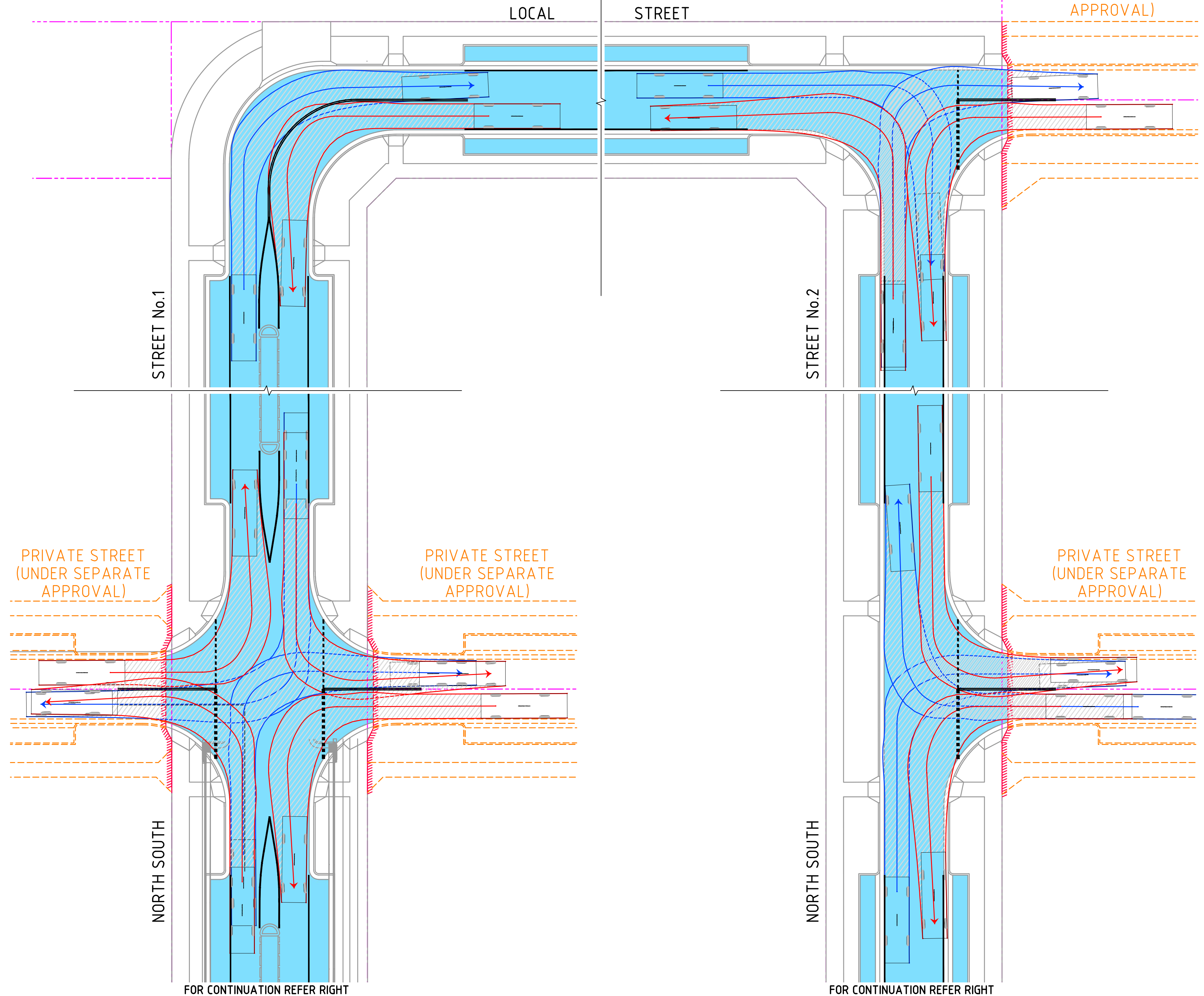
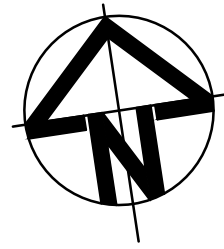
Issue	Description	Date
C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19

Bar Scales

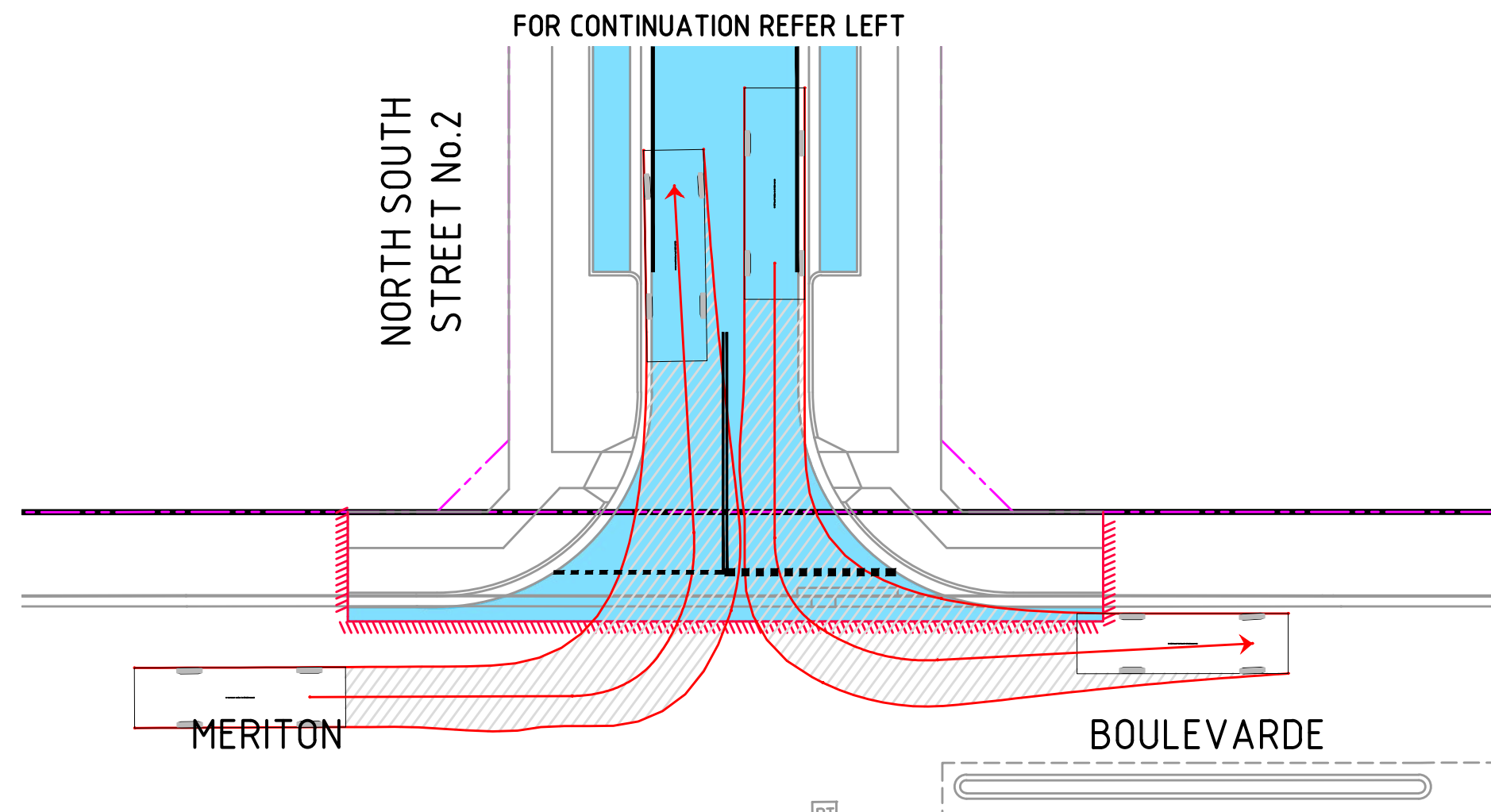
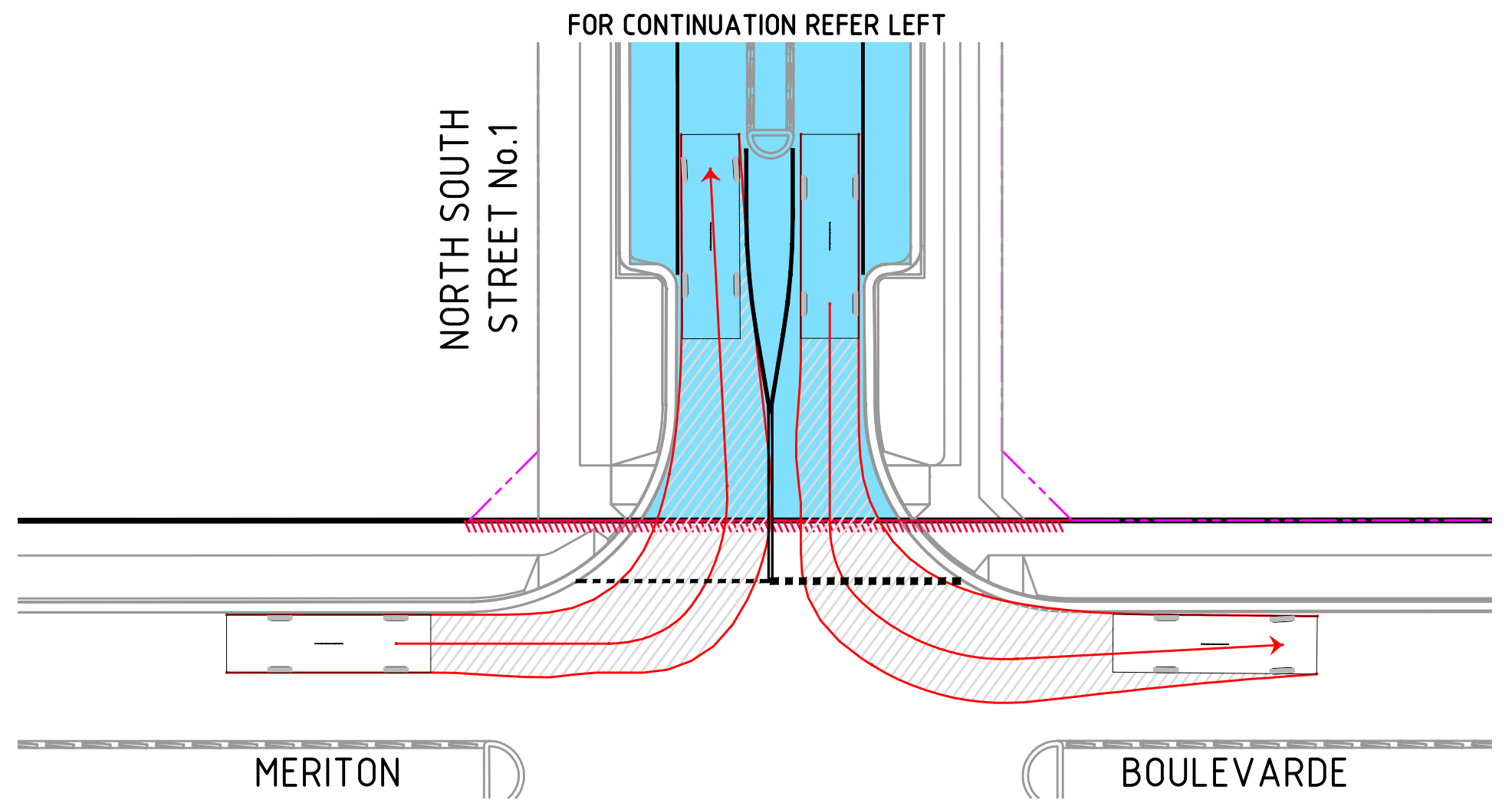
<p>THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L</p>	<p>Client</p> <p>KARIMBLA CONSTRUCTION SERVICES (NSW) PTY LIMITED</p> <p>Level 11, 528 Kent Street, Sydney NSW 2000 Tel: (02) 9287 2888 Fax: (02) 9287 2777 Email: info@design.meriton.com.au Internet: http://www.meriton.com.au</p>
---	--

Scales	Drawn	QD
NTS	Designed	FX & QD
Grid	Checked	MG
MGA	Checked	MG
Height Datum	Approved	
AHD	Approved	
Project	130-150 BUNNERONG ROAD PAGEDWOOD STAGE 2	
Title	EROSION AND SEDIMENTATION CONTROL DETAILS	

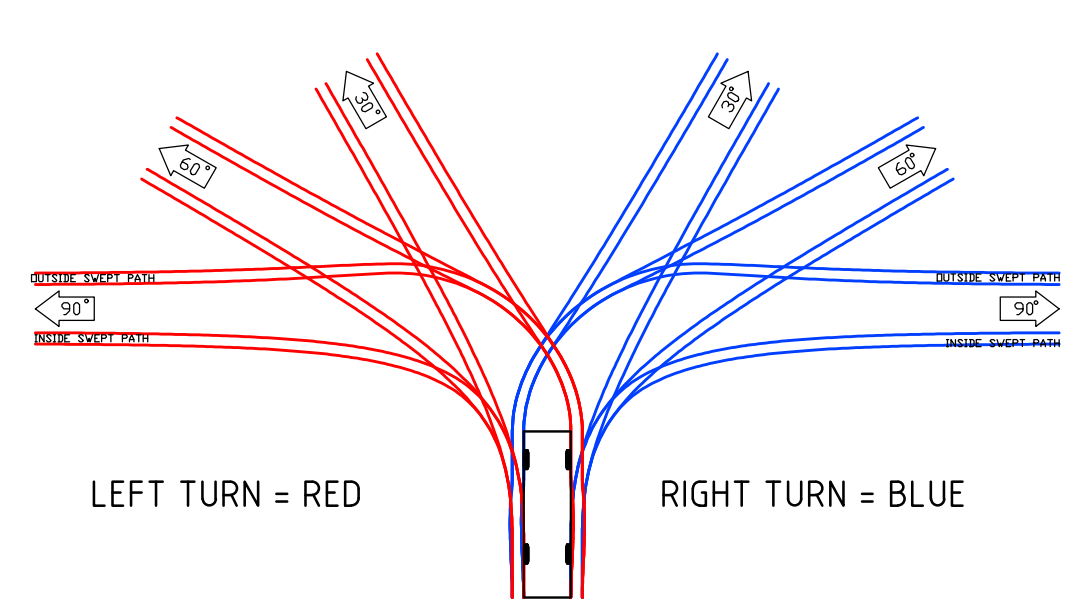
Civil Engineers and Project Managers		
<p>at&l</p> <p>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</p>		
Status	FOR TENDER	A1
Drawing No.	13-155	Issue
DAC1261		C



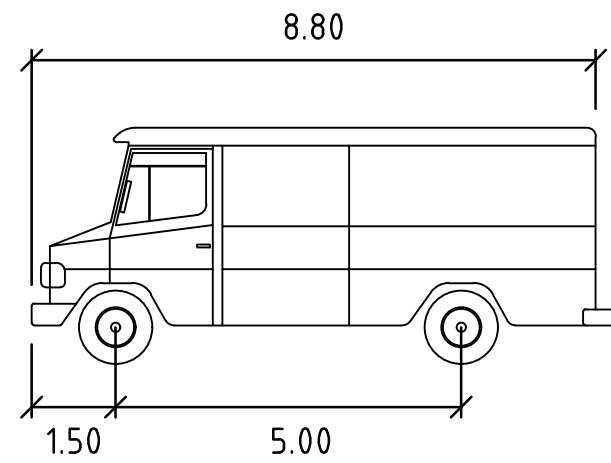
TURN PATH PLAN 8.8m SERVICE VEHICLE
1 : 250 @ A1



TURN PATH PLAN 8.8m SERVICE VEHICLE
1 : 250 @ A1



VEHICLE PATH DELINEATION



SERVICE VEHICLE		units
Width	2.50	meters
Track	2.50	meters
Lock to Lock Time	6.0	seconds
Steering Angle	38.7	degrees

Issue	Description	Date
C	ISSUED FOR TENDER	04-03-20
B	ISSUED FOR PRICING	29-01-20
A	ISSUED FOR APPROVAL	02-10-19

Bar Scales	
0 5 10 15 20 25m	1 : 250 @ A1 1 : 500 @ A3

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

KARIMBLA
CONSTRUCTION SERVICES (NSW) PTY LIMITED

Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	1 : 250	Drawn	QD
	MGA		FX & QD
	AHD		MG
Grid		Checked	
Height Datum		Approved	

Project	
130-150 BUNNERONG ROAD PAGEWOOD STAGE 2	
Title	
VEHICLE TURN PATH PLAN	

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status	FOR TENDER	A1
NOT TO BE USED FOR CONSTRUCTION		
Drawing No.	Project No.	Issue
DAC1276	13-155	C