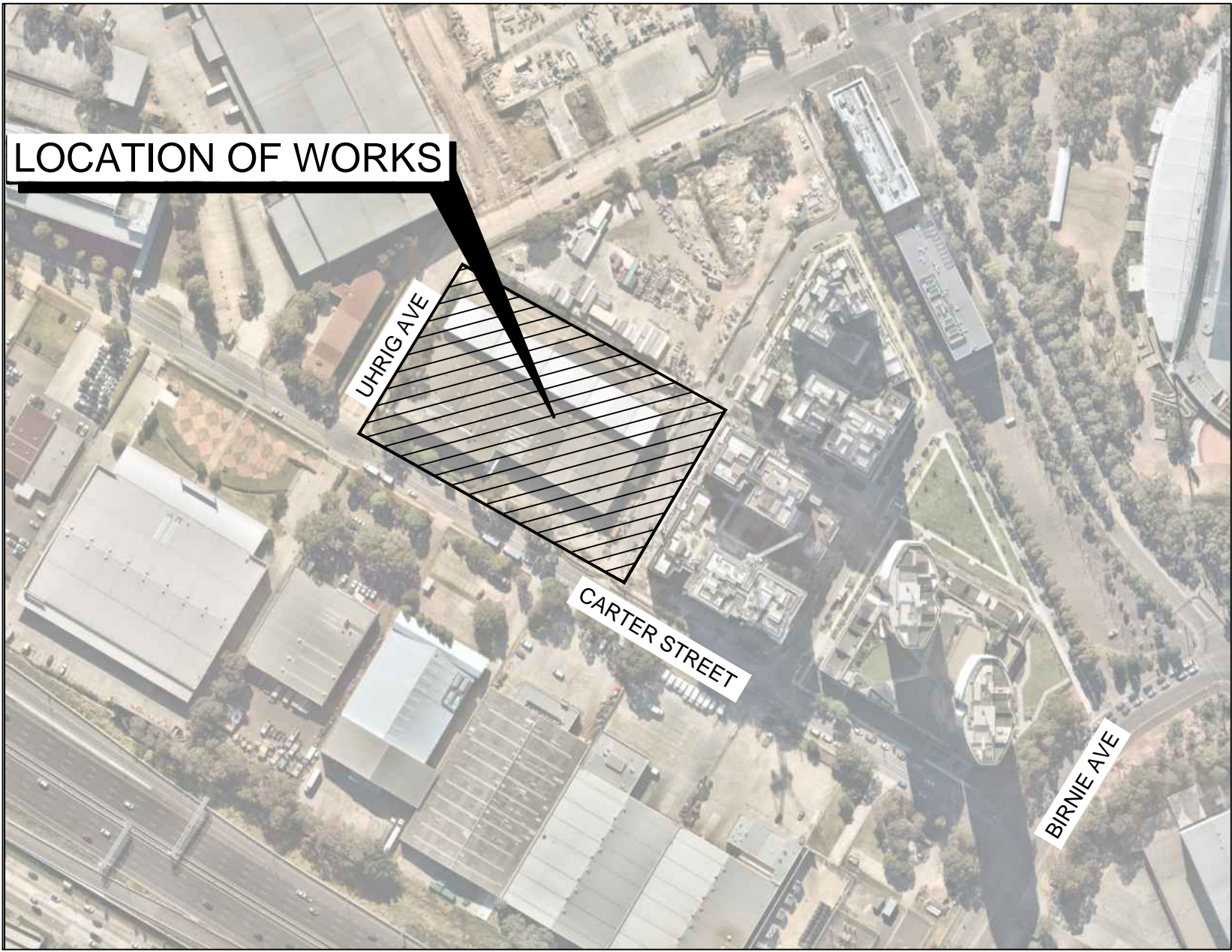


PHASE 4  
CARTER STREET  
LIDCOMBE  
CIVIL WORKS PACKAGE

DRAWING LIST

16-437-DAC401	COVER SHEET AND LOCALITY PLAN
16-437-DAC402	GENERAL NOTES AND LEGENDS
16-437-DAC405	GENERAL ARRANGEMENT PLAN
16-437-DAC406	TYPICAL SECTIONS SHEET 1
16-437-DAC407	TYPICAL SECTIONS SHEET 2
16-437-DAC410	SITWORKS AND STORMWATER DRAINAGE PLAN
16-437-DAC425	STORMWATER CATCHMENT PLAN
16-437-DAC426	EXISTING INDICATIVE OVERLAND STORMWATER FLOW
16-437-DAC427	PROPOSED INDICATIVE OVERLAND STORMWATER FLOW
16-437-DAC430	STORMWATER DETAILS SHEET 1
16-437-DAC431	STORMWATER DETAILS SHEET 2
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16-437-DAC433	OSD TANK TYPICAL SECTIONS AND DETAILS
16-437-DAC440	EROSION AND SEDIMENTATION CONTROL PLAN
16-437-DAC441	EROSION AND SEDIMENTATION CONTROL DETAILS
16-437-DAC450	PUBLIC DOMAIN ALIGNMENT CONTROL PLAN
16-437-DAC451	PUBLIC DOMAIN PAVEMENT PLAN
16-437-DAC460	PUBLIC DOMAIN ALIGNMENT LONGITUDINAL SECTION SHEET 1
16-437-DAC461	PUBLIC DOMAIN ALIGNMENT LONGITUDINAL SECTION SHEET 2
16-437-DAC462	PUBLIC DOMAIN ALIGNMENT LONGITUDINAL SECTION SHEET 3
16-437-DAC470	PUBLIC DOMAIN ALIGNMENT CROSS SECTIONS SHEET 1
16-437-DAC471	PUBLIC DOMAIN ALIGNMENT CROSS SECTIONS SHEET 2
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16-437-DAC477	PUBLIC DOMAIN ALIGNMENT CROSS SECTIONS SHEET 8
16-437-DAC478	PUBLIC DOMAIN ALIGNMENT CROSS SECTIONS SHEET 9



LOCALITY PLAN  
N.T.S

Bar Scales

C	ISSUED FOR APPROVAL	03-10-19
B	ISSUED FOR APPROVAL	25-09-19
A	ISSUED FOR APPROVAL	12-06-19
Issue	Description	Date

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Status	ISSUE FOR DA	A1
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Project	PHASE 4 CARTER STREET, LIDCOMBE
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Title	COVER SHEET AND LOCALITY PLAN
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Drawing No.	Project No.	Issue
16-437-DAC401	16-437	C



## SITEWORKS LEGEND

### EXISTING

	EXISTING BOUNDARY
	EXISTING SEWER (DBYD)
	EXISTING TELSTRA (DBYD)
	EXISTING GAS (DBYD)
	EXISTING STORMWATER (SURVEY)
	EXISTING OVERHEAD POWER (SURVEY)
	STORMWATER PIPE BY OTHERS DA 172/2017
	PROPOSED CONTOURS BY OTHERS DA 172/2017

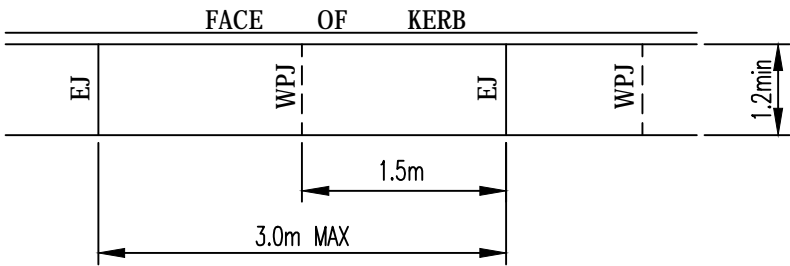
### PROPOSED

	EXISTING BOUNDARY
	EXISTING BOUNDARY TO BE REMOVED
	PROPOSED SURFACE LEVEL
	STORMWATER PIT WITH GRATE AND LINE
	SURFACE INLET PIT
	EXISTING TREE TO BE REMOVED
	PROPOSED TREATMENT SWALE
	KERB AND GUTTER. REFER PCC STD DWG DS1
	KERB ONLY. REFER PCC STD DWG DS1
	VEHICLE CROSSING. REFER PCC STD DWG DS1
	STORMWATER PIT REFERENCE NUMBER

## JOINTING NOTES

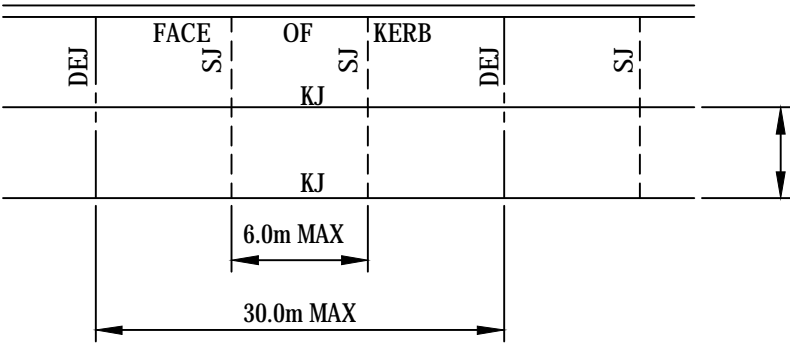
### PEDESTRIAN PAVEMENT JOINTS

- 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 1.5 x WIDTH OF THE PAVEMENT.
- WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND OR ADJACENT PAVEMENT JOINTS.
- PEDESTRIAN PAVEMENT JOINT DETAIL.



### VEHICULAR PAVEMENT JOINTS

- ALL VEHICULAR PAVEMENTS TO BE JOINTED AS SHOWN ON DRAWINGS.
- 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.



CONTRACTOR SHALL CALL;  
DIAL BEFORE  
YOU DIG 1100  
PRIOR TO COMMENCEMENT OF WORK  
TO OBTAIN ALL CURRENT SERVICE  
AUTHORITY PLANS



## 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 <sub>c</sub> MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	20	60	20
KERBS, PATHS, AND PITS	20	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.M.S. SPECIFICATION R83.
- REINFORCEMENT SYMBOLS:  
N DENOTES GRADE 450 N BARS TO AS/NZS 4671 GRADE N  
R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS/NZS 4671  
SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS/NZS 4671  
NUMBER OF BARS IN GROUP BAR GRADE AND TYPE  
17 N 20 250  
NOMINAL BAR SIZE IN mm SPACING IN mm  
THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS/NZS 4671.
- FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:

## SITEWORKS 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 RMS. SPECIFICATION R116.
- ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051 (UNBOUND), RMS. FORM 3052 (BOUND) COMPACTED TO MINIMUM 100% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1  
FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m OF BASECOURSE MATERIAL PLACED.
- ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1  
FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m OF SUB-BASE COURSE MATERIAL PLACED.
- AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH RMS. FORM 3051 AND 3051.1 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.

## KERBING NOTES

- ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20MPa 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.

## EXISTING UNDERGROUND SERVICES NOTES

THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND DIAL BEFORE YOU DIG INFORMATION. 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.

## SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY LTS LOCKLEY P/L, 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.

### LEGEND

TELSTRA PILLAR		TP
COMMS PIT		COM
TELSTRA PIT		TEL
ELECTRIC LIGHT POLE		ELP
ELECTRICITY BOX		EL
POWER POLE		PP
PIT WITH CONCRETE LID		CLID
PIT WITH METAL LID		MLID
SERVICE PIT		PIT
STREET SIGN		SS
BOLLARD		BOL
GRATED INLET PIT		GIP
KERB INLET PIT		KIP
SEWER MANHOLE		SMH
STOP VALVE		SV
HYDRANT		HYD
WATER METER		WM
WATER TAP		TAP
VEHICLE CROSSING		(VC)
PRAM CROSSING		(PC)
TOP OF WALL		TW
COMMUNICATIONS (DBYD)		C
TELSTRA (DBYD)		T
WATER (DBYD)		W
STORMWATER DRAINAGE		SW
SEWER (DBYD)		S
ELECTRICITY (OVERHEAD)		P
ELECTRICITY (UGROUND) (DBYD)		E

### NOTES

- THE BOUNDARIES HAVE NOT BEEN MARKED
- ALL AREAS AND DIMENSIONS HAVE BEEN COMPILED FROM PLANS MADE AVAILABLE BY NSW LAND REGISTRY SERVICES AND ARE SUBJECT TO FINAL SURVEY
- ORIGIN OF LEVELS ON A.H.D. IS TAKEN FROM SSM 108241 R.L. 19.201 (A.H.D.) IN CARTER STREET
- CONTOUR INTERVAL 0.5m
- CONTOURS ARE INDICATIVE ONLY. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
- ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
- KERB LEVELS ARE TO THE TOP OF KERB UNLESS SHOWN OTHERWISE
- NO INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. SERVICES HAVE BEEN PLOTTED FROM RELEVANT AUTHORITIES INFORMATION AND HAVE NOT BEEN SURVEYED. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE
- 8/4/7 DENOTES TREE SPREAD OF 8m, TRUNK DIAMETER OF 0.4m & APPROX HEIGHT OF 7m
- BEARINGS SHOWN ARE MGA (MAP GRID OF AUSTRALIA) ADD APPROX. 1°00' FOR TRUE NORTH
- SURVEY UNDERTAKEN 13TH MARCH 2019

## EROSION AND SEDIMENT CONTROL NOTES

### GENERAL INSTRUCTIONS

- 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.

### LAND DISTURBANCE

- WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:  
(A) INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.  
(B) INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.  
(C) CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.  
(D) INSTALL SEDIMENT BASIN AS SHOWN ON PLAN  
(E) UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

### EROSION CONTROL

- DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
- FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

### SEDIMENT CONTROL

- STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
- ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
- WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
- TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

### OTHER MATTERS

- ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
- ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:  
(A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE  
(B) ENSURING THAT NOTHING IS NAILED TO THEM  
(C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.  
(i) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER  
(ii) A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH  
(iii) CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

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Issue	Description	Date
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Client	<b>KARIMBLA</b> 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
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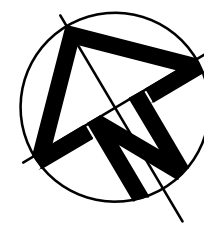
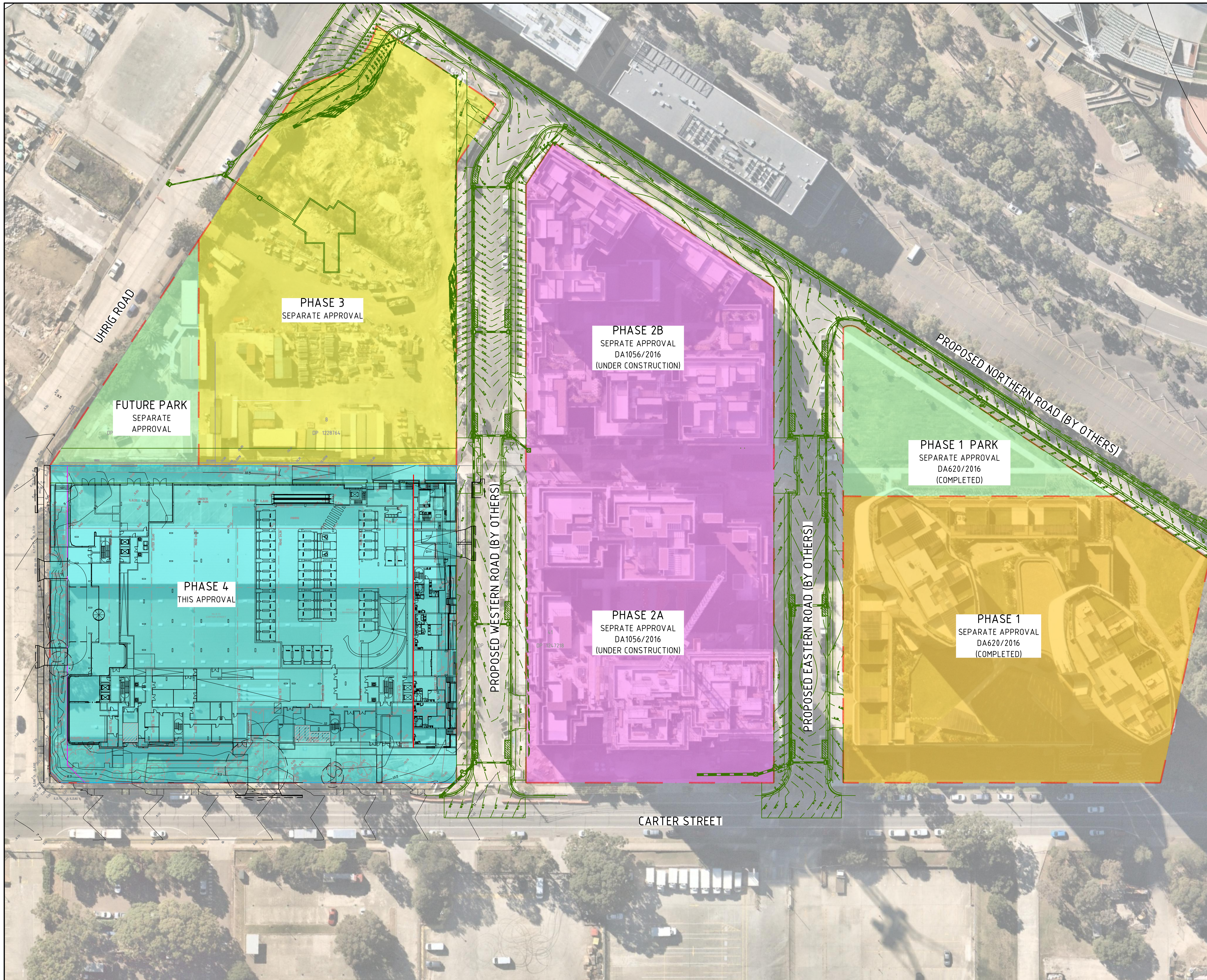
Civil Engineers and Project Managers	Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
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Project	PHASE 4 CARTER STREET, LIDCOMBE
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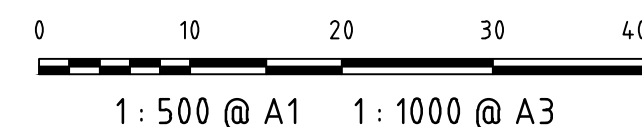
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16-437-DAC402	16-437	C





Bar Scales



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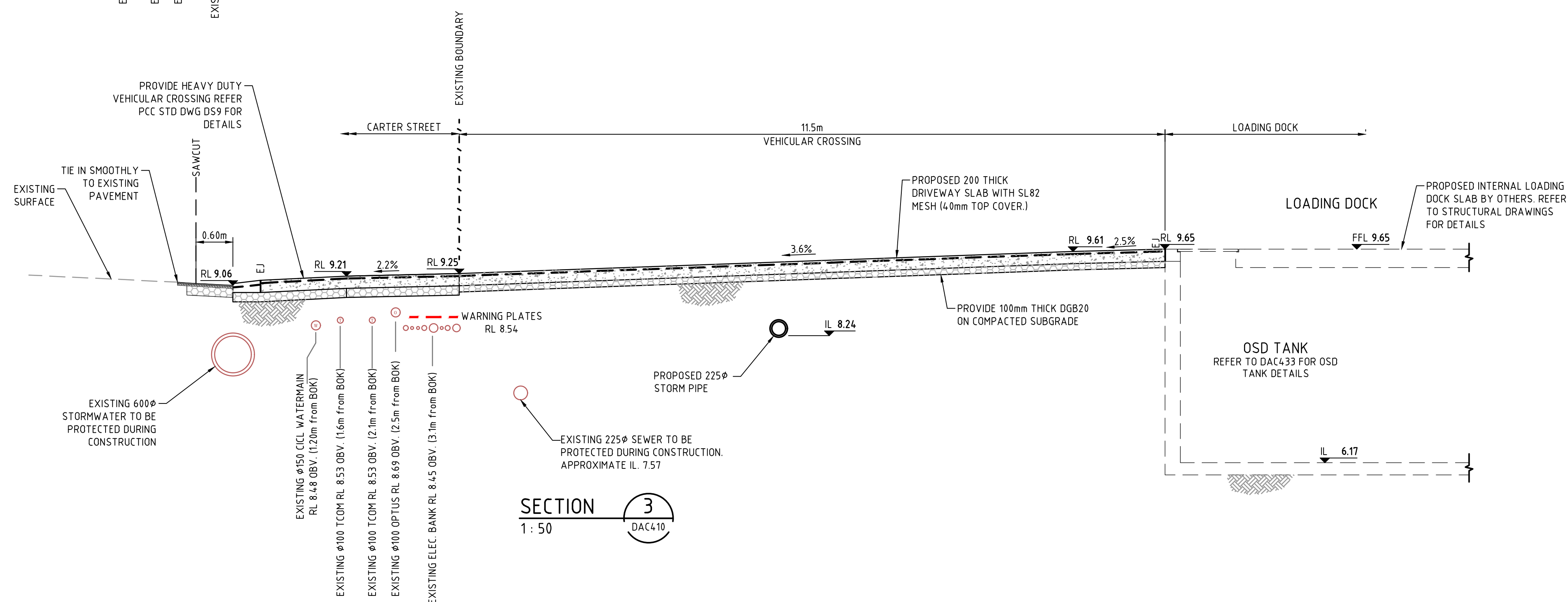
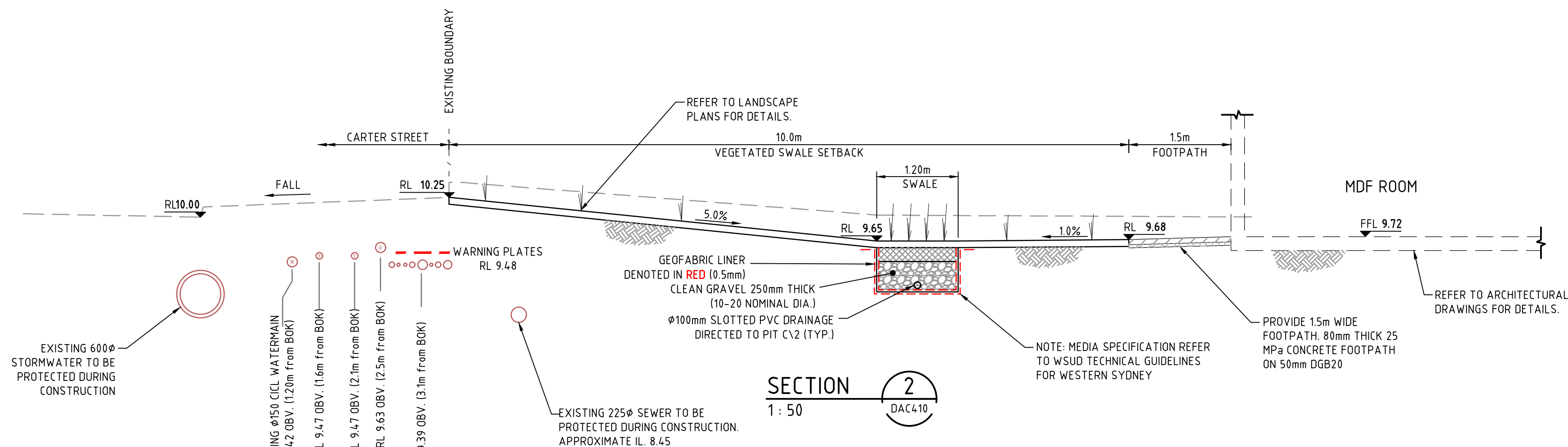
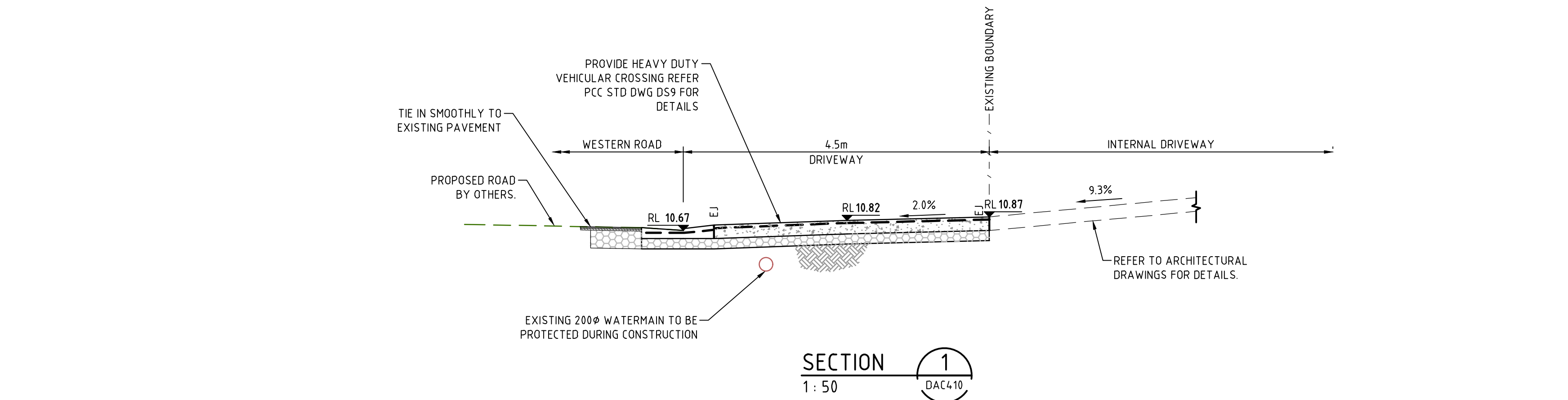
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www.atl.net.au  
info@atl.net.au

Project  
**PHASE 4**  
**CARTER STREET,**  
**LIDCOMBE**

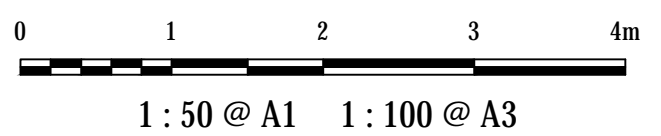
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**GENERAL ARRANGEMENT**  
**PLAN**

Drawing No.	Project No.	Issue
16-437-DAC405	16-437	C





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Height Datum	AHD	Checked	GJ
Grid	MGA	Approved	

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Project	<b>PHASE 4</b> <b>CARTER STREET,</b> <b>LIDCOMBE</b>
---------	--

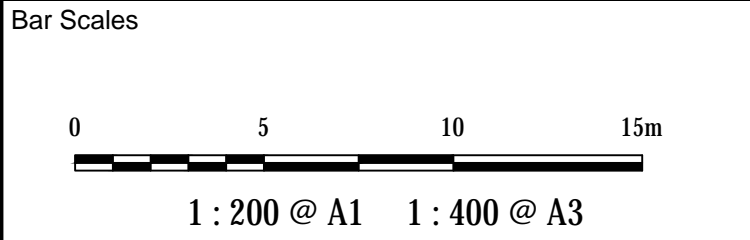
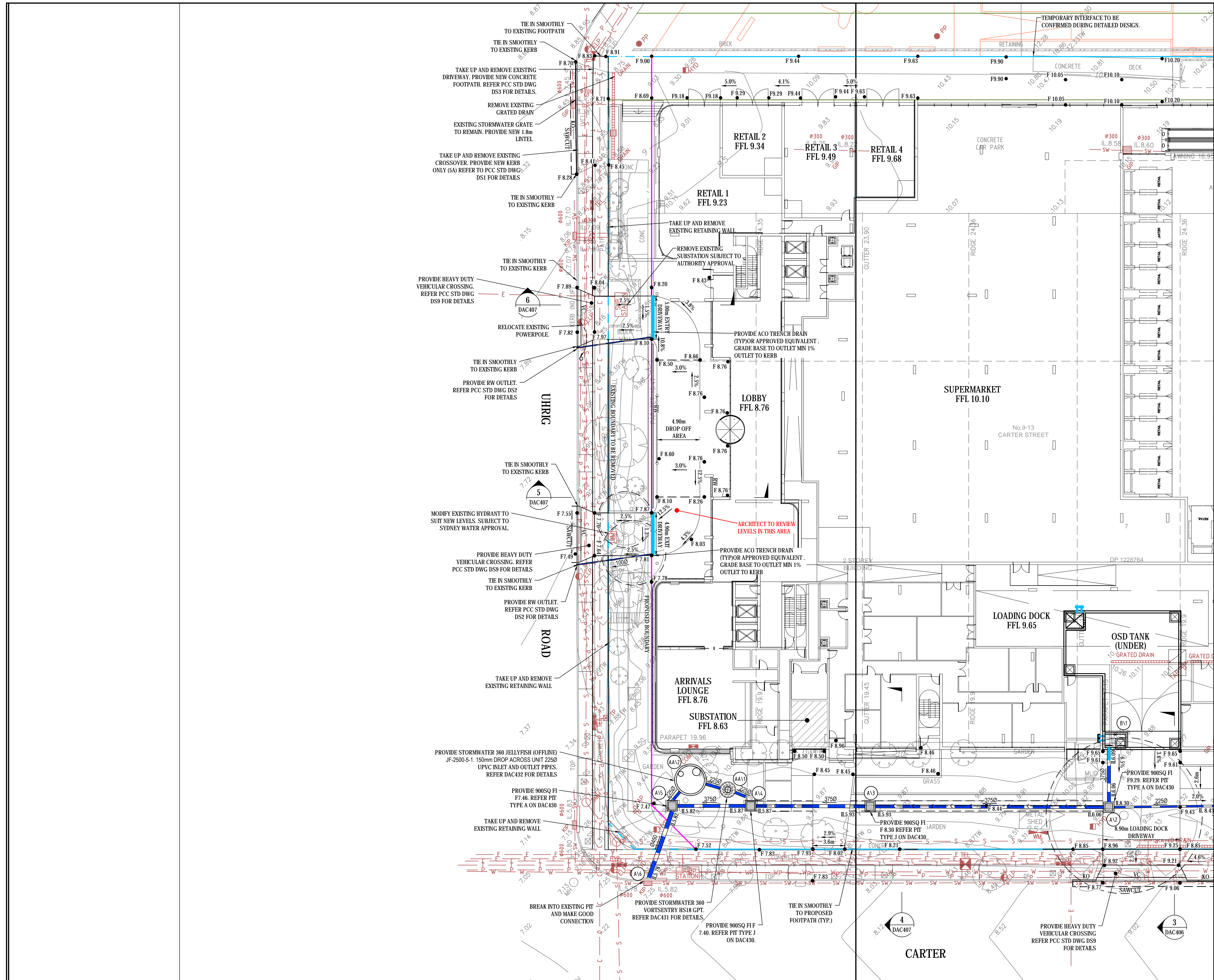
Title	<b>TYPICAL SECTIONS</b> <b>SHEET 1</b>
-------	---

Drawing No.	Project No.	Issue
16-437-DAC406	16-437	C









Issue	Description	Date
C	ISSUED FOR APPROVAL	03-10-19
B	ISSUED FOR APPROVAL	25-09-19
A	ISSUED FOR APPROVAL	12-06-19

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Status	ISSUE FOR DA NOT TO BE USED FOR CONSTRUCTION	A1

Scales	1 : 200	16-437-DAC410.dwg	
		Drawn	AC
Height Datum	AHD	Designed	AC
		Checked	GJ
Grid	MGA	Approved	

Client			<b>KARIMBLA</b>	
			<b>CONSTRUCTION SERVICES (NSW)</b>	
			<b>PTY LIMITED</b>	
			Level 11, 528 Kent Street, Sydney NSW 2000	
			Tel: (02) 9287 2888      Fax: (02) 9287 2777	
			Email: <a href="mailto:info@design.mention.com.au">info@design.mention.com.au</a>	
			Internet: <a href="http://www.mention.com.au">http://www.mention.com.au</a>	

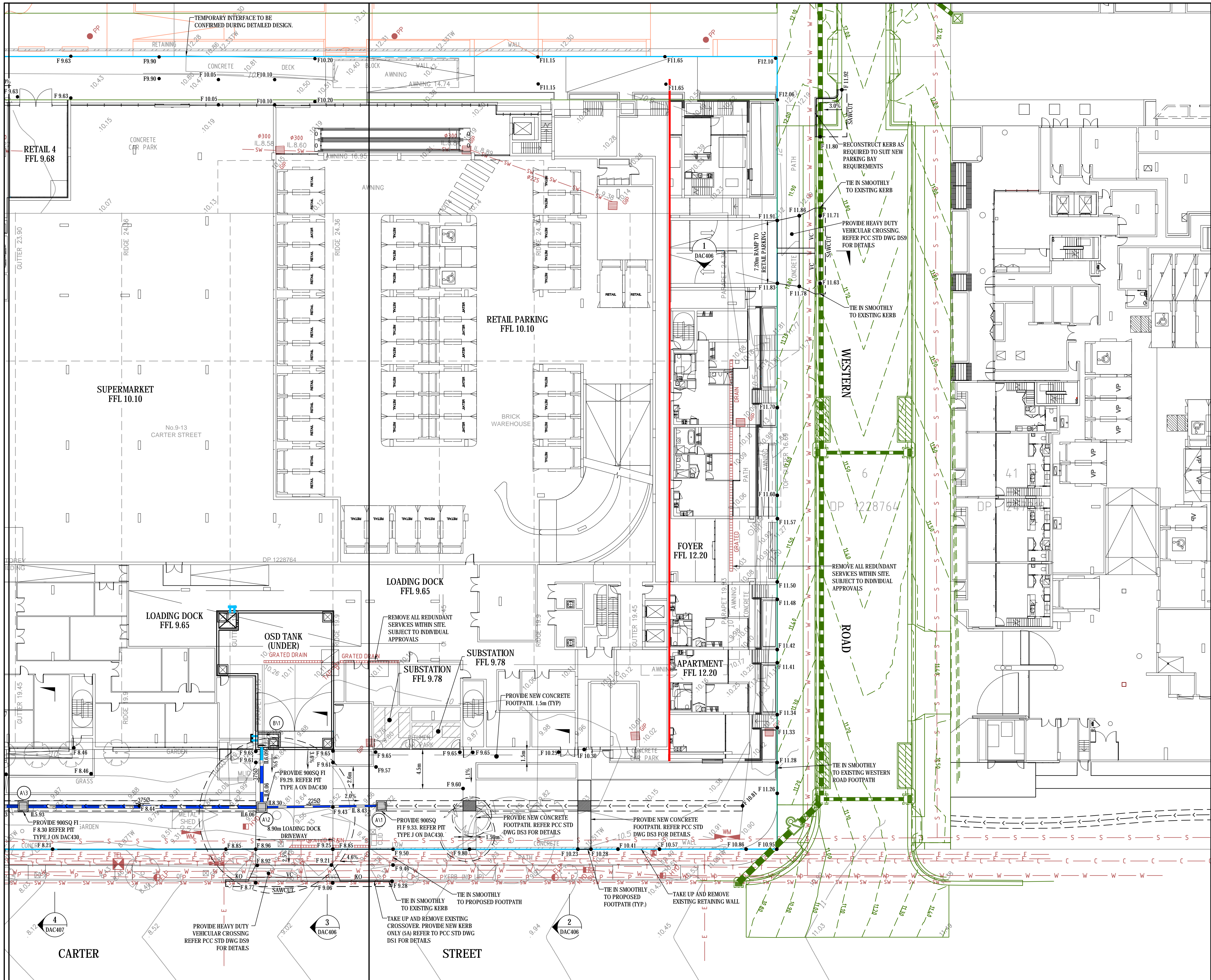
Civil Engineers and Project Managers		Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
		

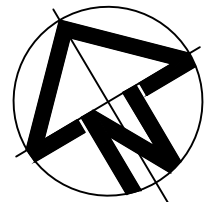
Project	PHASE 4 CARTER STREET, LIDCOMBE		
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Title	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 1		
-------	---	--	--

Drawing No.	Project No.	Issue
16-437-DAC410	16-437	C







Bar Scales

0 5 10 15m

1 : 200 @ A1 1 : 400 @ A3

Issue	Description	Date
B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	03-10-19

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Status

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**NOT TO BE USED FOR CONSTRUCTION**

A1


Scales	16-437-DAC411.dwg
1 : 200	Drawn AC
	Designed AC
Height Datum	AHD
Grid	MGA
Checked	GJ
Approved	

Client

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info@atl.net.au

Project

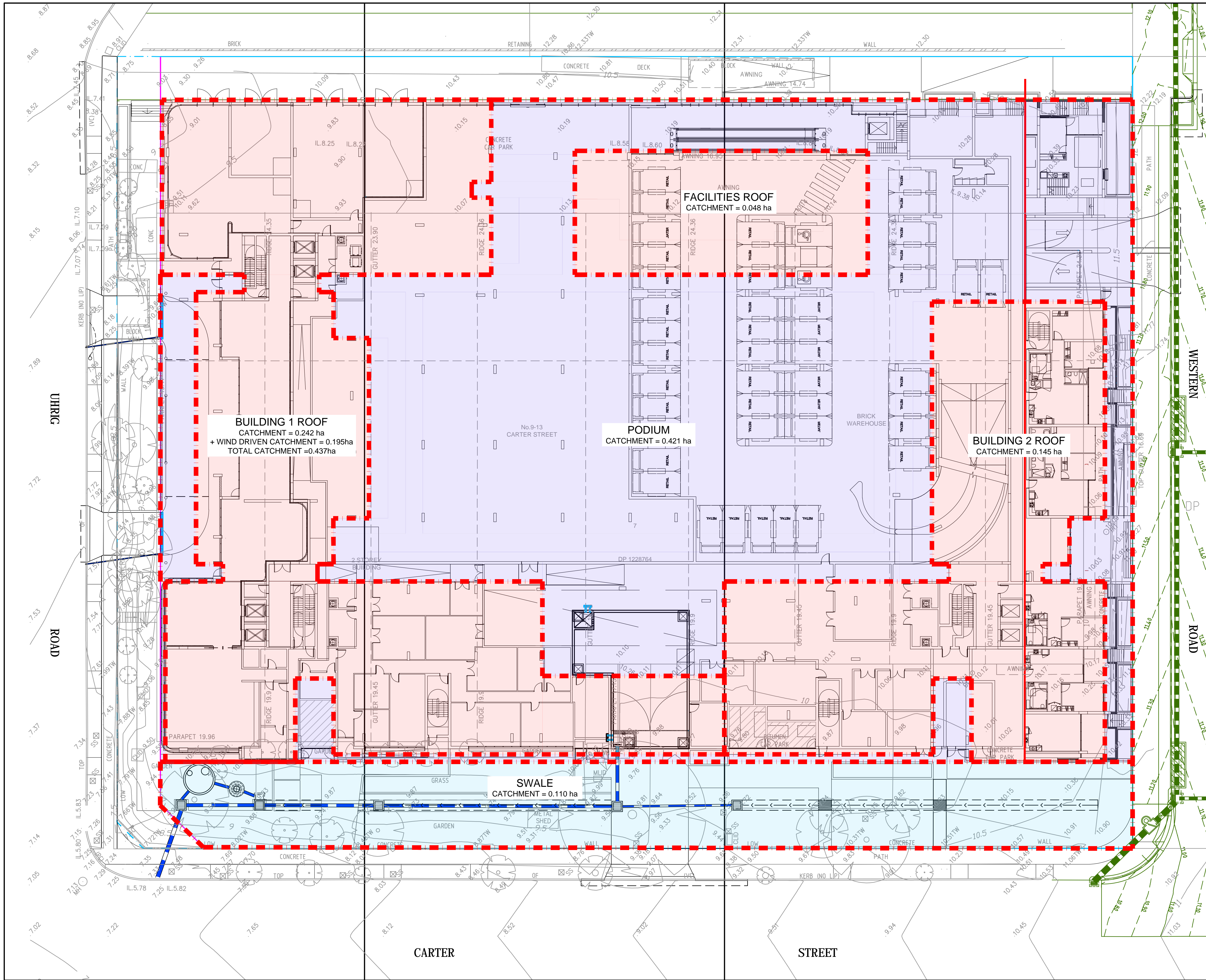
**PHASE 4**  
**CARTER STREET,**  
**LIDCOMBE**

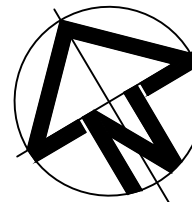
Title

**SITWORKS AND**  
**STORMWATER DRAINAGE**  
**PLAN SHEET 2**

Drawing No.	Project No.	Issue
16-437-DAC411	16-437	B







Bar Scales

0 5 10 15m

1 : 200 @ A1 1 : 400 @ A3


C	ISSUED FOR APPROVAL	03-10-19
B	ISSUED FOR APPROVAL	25-09-19
A	ISSUED FOR APPROVAL	12-06-19
Issue	Description	Date

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Status	<b>ISSUE FOR DA</b>		<b>A1</b>
NOT TO BE USED FOR CONSTRUCTION			


Scales	16-437-DAC425.dwg	
1 : 200	Drawn	AC
	Designed	AC
Height Datum	AHD	Checked GJ
Grid	MGA	Approved

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Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Project

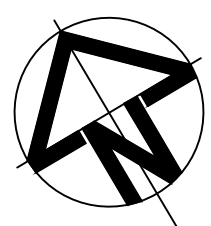
**PHASE 4  
CARTER STREET,  
LIDCOMBE**

Title

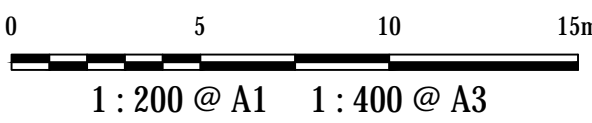
**STORMWATER DRAINAGE  
CATCHMENT PLAN**

Drawing No.	Project No.	Issue
16-437-DAC425	16-437	C





Bar Scales



C	ISSUED FOR APPROVAL	03-10-19
B	ISSUED FOR APPROVAL	25-09-19
A	ISSUED FOR APPROVAL	12-06-19

Issue	Description	Date
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Status	ISSUE FOR DA	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1 : 200	16-437-DAC426.dwg	
		Drawn	AC
		Designed	AC
Height Datum	AHD	Checked	GJ
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Client



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Project

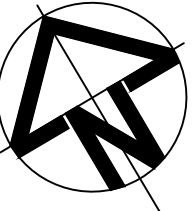
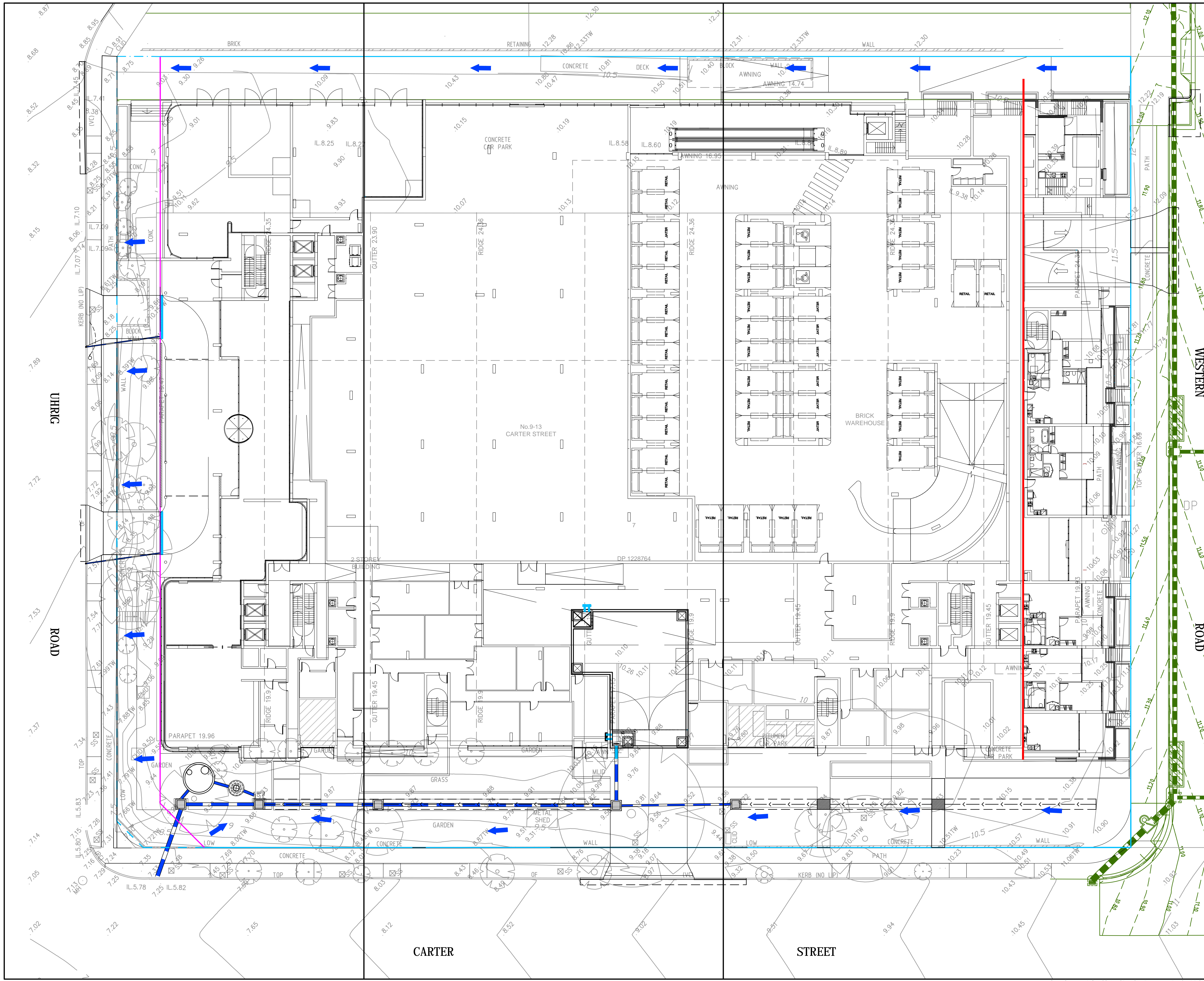
**PHASE 4  
CARTER STREET,  
LIDCOMBE**

Title

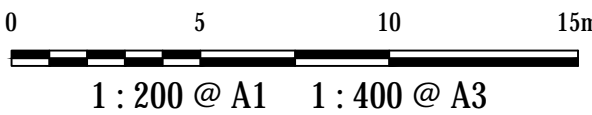
**EXISTING INDICATIVE  
OVERLAND STORMWATER  
FLOW**

Drawing No.	Project No.	Issue
16-437-DAC426	16-437	A





Bar Scales



C	ISSUED FOR APPROVAL	03-10-19
B	ISSUED FOR APPROVAL	25-09-19
A	ISSUED FOR APPROVAL	12-06-19

Issue	Description	Date
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Status	ISSUE FOR DA	A1
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Scales	1:200	16-437-DAC427.dwg
Height Datum	AHD	Checked GJ
Grid	MGA	Approved

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Project	PHASE 4 CARTER STREET, LIDCOMBE
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Title	PROPOSED INDICATIVE OVERLAND STORMWATER FLOW
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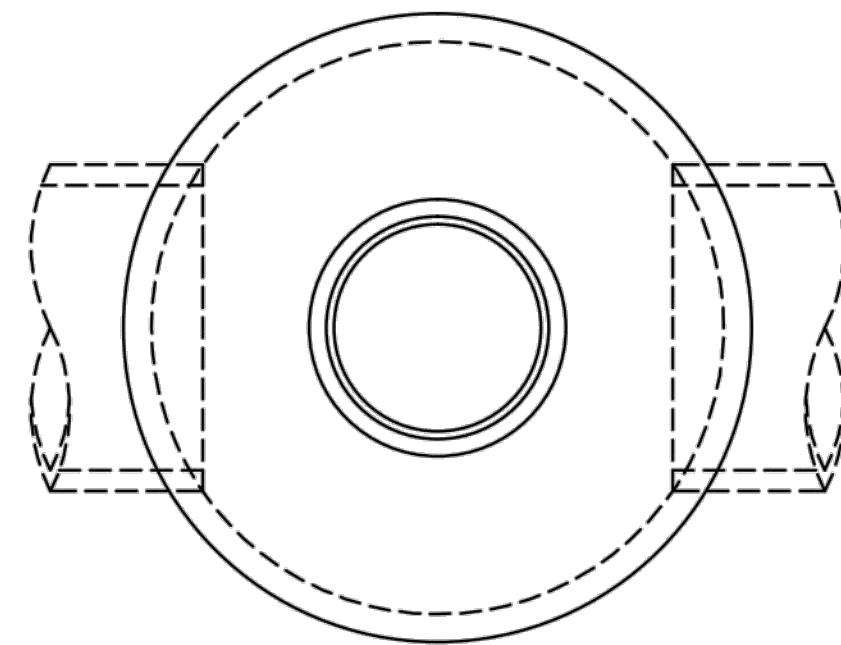
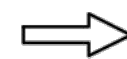
Drawing No.	Project No.	Issue
16-437-DAC427	16-437	A







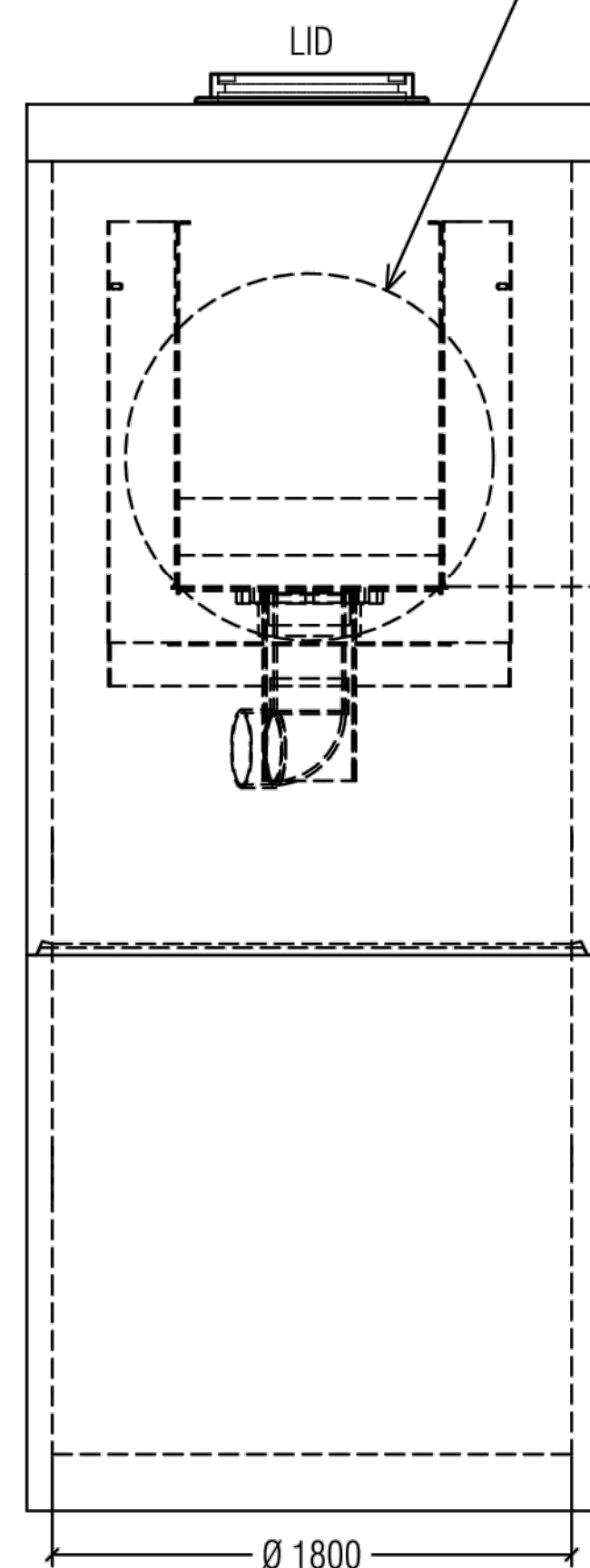
INLET AND OUTLET  
PIPE DIAMETER = 225mm PVC



INLET AND OUTLET  
PIPE DIAMETER = 225mm PVC

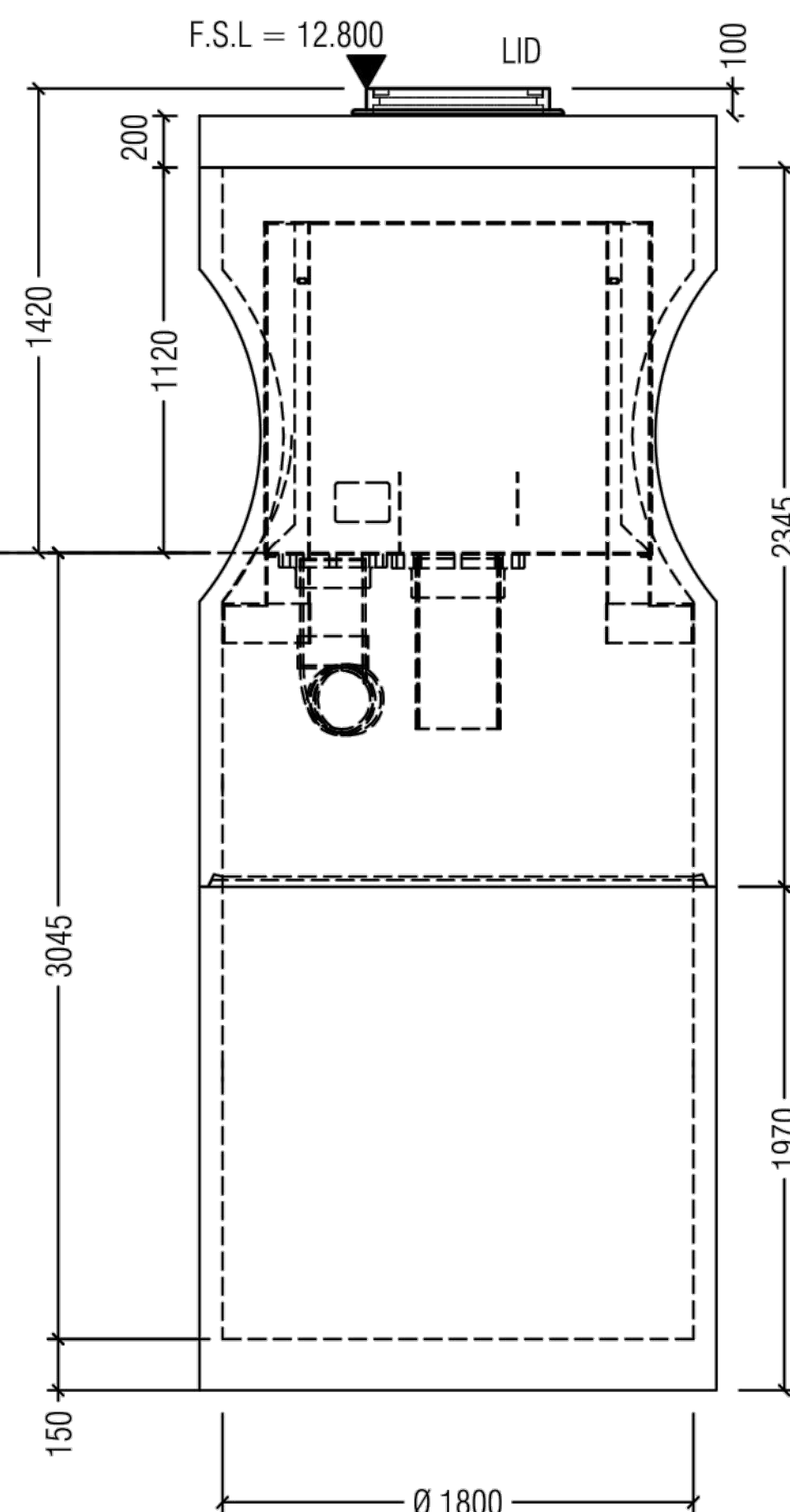
**PLAN VIEW**

OVERSIZED OPENING FOR  
INLET/OUTLET PIPES

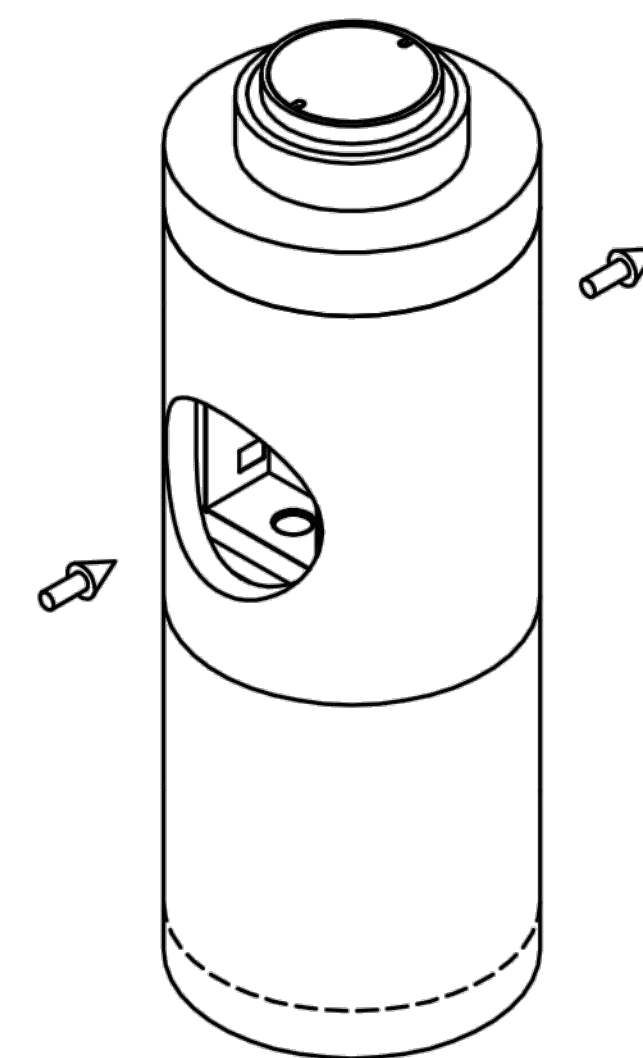


**LEFT SIDE VIEW**

I.L = 11.380  
INLET/OUTLET  
PIPE INVERT



**ELEVATION VIEW**



**ASSEMBLED VIEW**

**NOTES:**

1. STORMWATER TREATMENT SYSTEM (SWTS) SHALL REMOVE 80% OF A SEDIMENT GRADATION WITH AN AVERAGE PARTICLE SIZE OF 240 MICRONS AT THE DESIGNATED TREATMENT FLOW RATE LISTED IN THE TABLE FOR EACH CORRESPONDING MODEL.
2. SWTS REMOVAL EFFICIENCY CLAIM SHALL BE CORROBORATED BY FULL SCALE LABORATORY TEST PERFORMANCE DATA.
3. SWTS MAINTENANCE RECOMMENDATIONS SHALL BE SUPPORTED BY FULL SCALE WASH-OUT TESTING.
4. SWTS SHALL PROVIDE INTERNAL BYPASS OF FLOWS THAT EXCEED THE TREATMENT FLOW RATE.
5. SWTS MAXIMUM HYDRAULIC CAPACITY MAY VARY DEPENDING UPON THE INLET PIPE DIAMETER, MATERIAL AND SLOPE.
6. SWTS INVERTS IN AND OUT SHALL BE AT THE SAME ELEVATION. INLET AND OUTLET PIPES MUST BE 180° FROM EACH OTHER.
7. MINIMUM RIM TO INVERT DISTANCE MAY BE REDUCED DEPENDING UPON ACTUAL PIPE DIAMETER. CONTACT STORMWATER360 FOR SITE SPECIFIC INFORMATION.
8. PIPE SIZE MAY BE SMALLER THAN THE MAXIMUM PIPE SHOWN ON THE TABLE; SEE SITE PLAN FOR PIPE SIZE.
9. PURCHASER SHALL NOT BE RESPONSIBLE FOR ASSEMBLY OF INTERNAL COMPONENTS
10. ACCESS FRAME AND COVER SUPPLIED WITH SYSTEM, NOT INSTALLED. SWTS MAY ALSO HAVE A GRATED INLET COVER (NOT SHOWN).
11. PURCHASER TO PREPARE EXCAVATION AND PROVIDE LIFTING EQUIPMENT.
12. VORTSENTRY HS BY STORMWATER360:  
SYDNEY (AU) PHONE: 1300 354 722

This drawing is for the purpose of specifying stormwater treatment equipment to be furnished by Stormwater360 and may only be transferred to other documents exactly as provided by Stormwater360.

**VORTSENTRY MODEL HS18**

**Stormwater360**

07983 - 7 Carter St, Lidcombe Phase 2 (Bld 2A & 2B)

**VORTSENTRY MODEL HS18  
STORMWATER TREATMENT SYSTEM  
PRODUCT DRAWING**

DRAWING

**1**

**A**

DATE: 06-03-18 SCALE: N.T.S. FILE NAME:07983\_VSHS18-1A DRN: R.P. CHK: M.W.

Bar Scales

C	ISSUED FOR APPROVAL	03-10-19
B	ISSUED FOR APPROVAL	25-09-19
A	ISSUED FOR APPROVAL	12-06-19

Issue	Description	Date
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Status	ISSUE FOR DA	A1
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Scales	N.T.S.	16-437-DAC431.dwg
	Drawn	AC
	Designed	AC
Height Datum	AHD	Checked GJ
Grid	MGA	Approved

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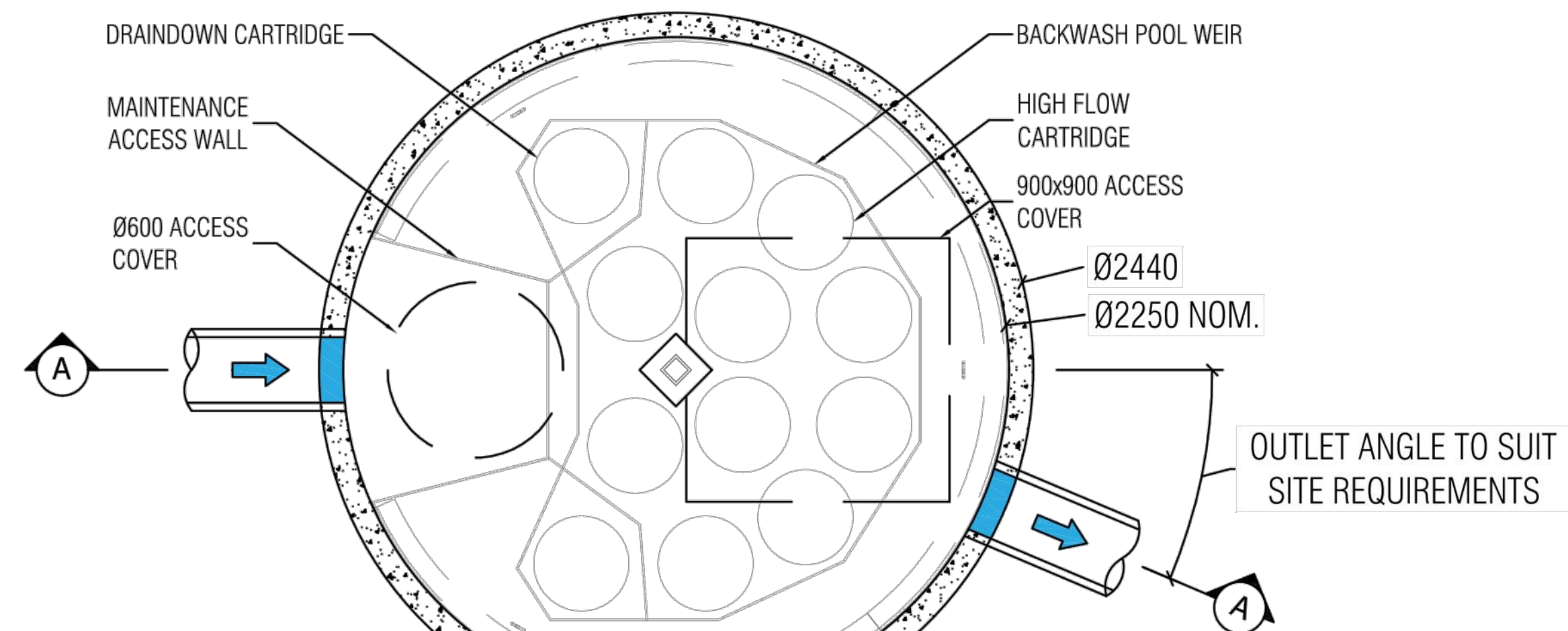
Project	<b>PHASE 4 CARTER STREET, LIDCOMBE</b>
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Title	<b>STORMWATER DETAILS SHEET 2</b>
-------	---------------------------------------

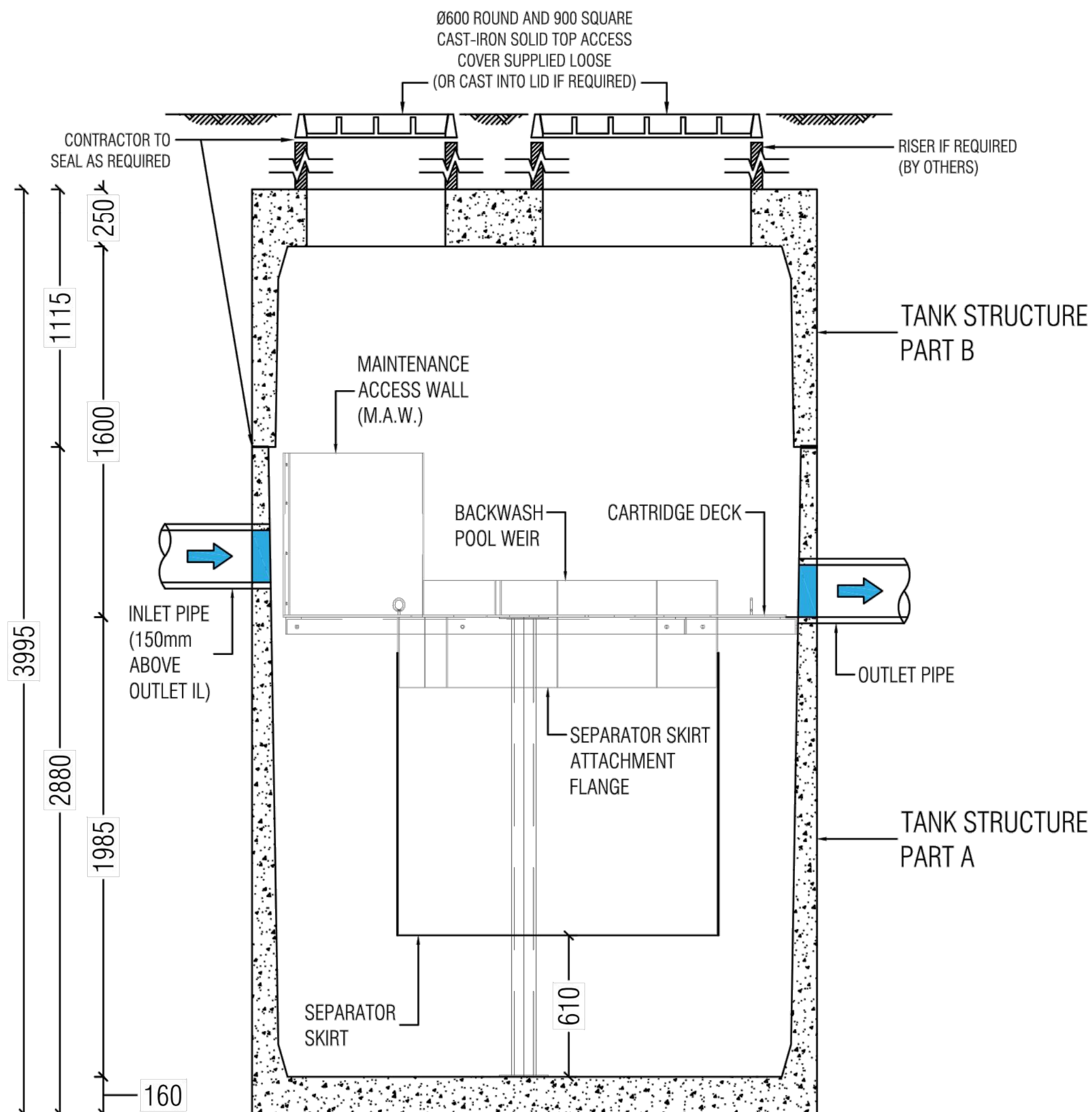
Drawing No.	Project No.	Issue
16-437-DAC431	16-437	A



NOT FOR CONSTRUCTION



JELLYFISH PLAN



JELLYFISH SECTION

LAST MODIFIED: 25-02-19

JELLYFISH DESIGN TABLE

JELLYFISH TREATMENT FLOW IS A FUNCTION OF THE NUMBER OF CARTRIDGES AND THE DEVICE TOTAL HEAD DIFFERENTIAL. IF THE PIPE FLOW EXCEEDS THE TREATMENT FLOW THEN AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

REQUIRED DEVICE TOTAL HEAD DIFFERENTIAL [mm]	460	230
CARTRIDGE FLOW RATE FOR HIGH-FLOW / DRAINDOWN [L/s]	5 / 2.5	2.5 / 1.25
CARTRIDGE LENGTH [mm]	1375	1375
OUTLET INVERT TO STRUCTURE INVERT [mm])	1985	1985



SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID		[                    ]	
WATER QUALITY FLOW RATE (L/S)		[                    ]	
# OF CARTRIDGES REQUIRED (HF - DD)		[           -        ]	
CARTRIDGE SIZE		1375	
PIPE DATA:	I.L.	MATERIAL	DIAMETER
INLET PIPE	[                    ]	[                    ]	[                    ]
OUTLET PIPE	[                    ]	[                    ]	[                    ]
UPPER TANK WEIGHT		4,050kg	
LOWER TANK WEIGHT		6,350kg	

NOTE: TANK SUPPLIED IN TWO PARTS; PARTS A & B TO BE JOINED ON SITE

GENERAL NOTES

- JELLYFISH WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF THE PROJECT.
- PRECAST STRUCTURE SUPPLIED WITH CORE HOLES TO SUIT OUTER DIAMETER OF NOMINATED PIPE SIZE / MATERIAL.
- PRECAST STRUCTURE SHALL MEET W80 WHEEL LOAD RATING ASSUMING A MAXIMUM EARTH COVER OF 2.0m AND A GROUND WATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. CERTIFYING ENGINEER TO CONFIRM ACTUAL GROUNDWATER ELEVATION.PRECAST STRUCTURE SHALL BE IN ACCORDANCE WITH AS3600.
- IF THE PEAK FLOW RATE, AS DETERMINED BY THE CERTIFYING ENGINEER, EXCEEDS THE TREATMENT FLOW RATE OF THE SYSTEM, AN UPSTREAM BYPASS STRUCTURE IS REQUIRE.
- ALL WATER QUALITY TREATMENT DEVICES REQUIRE PERIODIC MAINTENANCE. REFER TO OPERATION AND MAINTENANCE MANUAL FOR GUIDELINES AND ACCESS REQUIREMENTS.
- SITE SPECIFIC PRODUCTION DRAWING WILL BE PROVIDED ON PLACEMENT OF ORDER.
- DRAWING NOT TO SCALE.

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE SPECIFIC DESIGN CONSIDERATION AND SHALL BE SPECIFIED BY THE CERTIFYING ENGINEER.
- CONTRACTOR TO PROVIDE ALL EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STRUCTURE (LIFTING DETAIL PROVIDED SEPARATELY).
- CONTRACTOR TO INSTALL AND LEVEL THE STRUCTURE, APPLY SEALANT TO ALL JOINTS AND TO PROVIDE, INSTALL AND GROUT INLET AND OUTLET PIPES.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.
- CARTRIDGE INSTALLATION, BY OCEANPROTECT, SHALL OCCUR ONLY AFTER SITE HAS BEEN STABILIZED AND THE JELLYFISH UNIT IS CLEAN AND FREE OF DEBRIS. CONTACT OCEAN PROTECT TO COORDINATE CARTRIDGE INSTALLATION WITH SITE COMPLETION.



PHONE: 1300 354 722

www.oceanprotect.com.au

OCEAN PROTECT  
JELLYFISH 2250  
STANDARD PRODUCT DRAWING

Bar Scales

C	ISSUED FOR APPROVAL	03-10-19
B	ISSUED FOR APPROVAL	25-09-19
A	ISSUED FOR APPROVAL	12-06-19
Issue	Description	Date

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A1

Scales	16-437-DAC432.dwg		
N.T.S.	Drawn	AC	
	Designed	AC	
Height Datum	AHD	Checked	GJ
Grid	MGA	Approved	

Client  
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www.atl.net.au  
info@atl.net.au

Project  
**PHASE 4**  
**CARTER STREET,**  
**LIDCOMBE**

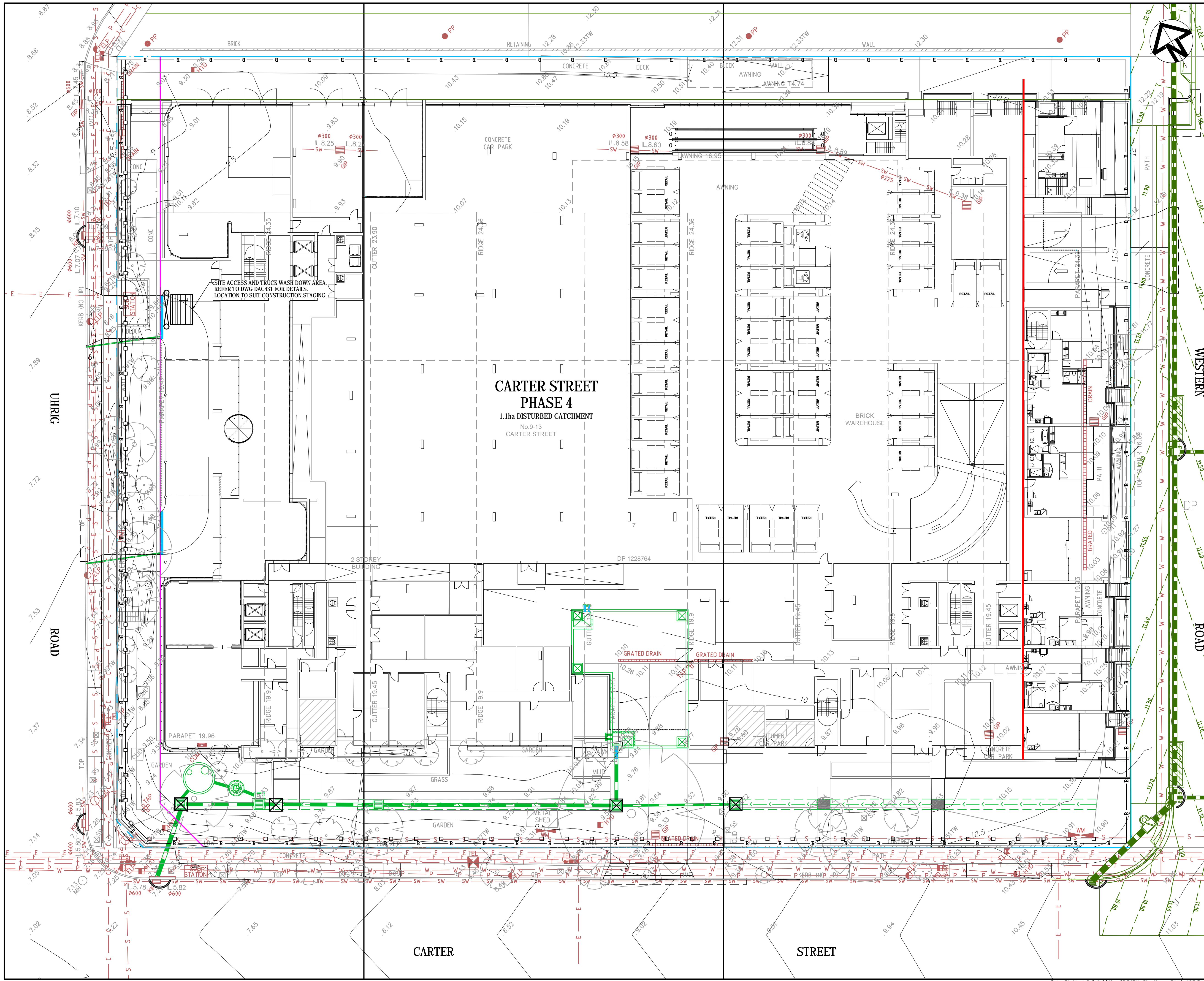
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**STORMWATER DETAILS**  
**SHEET 3**

Drawing No.	Project No.	Issue
16-437-DAC432	16-437	A









## LEGEND

- SEDIMENT FENCE. REFER TO DWG DAC441.
- CATCH DRAIN. REFER TO DWG DAC441.
- BARRIER FENCE
- MESH AND GRAVEL INLET FILTER. REFER TO DWG DAC441.
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA. REFER TO DWG DAC441.
- PROPOSED SITE ACCESS GATE. REFER TO DWG DAC441.

## NOTES:

- FOR EROSION AND SEDIMENTATION CONTROL DETAILS REFER DWG C441
- FOR EROSION AND SEDIMENTATION CONTROL NOTES REFER DWG C402
- ALL SEDIMENT AND EROSION CONTROL MEASURES TO BE IN ACCORDANCE WITH 'MANAGING URBAN STORMWATER, SOIL AND CONSTRUCTION VOLUME 1 (2004) BY LANDCOM.

Bar Scales

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

C	ISSUED FOR APPROVAL	03-10-19
B	ISSUED FOR APPROVAL	25-09-19
A	ISSUED FOR APPROVAL	12-06-19

Issue Description Date

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Status  
**ISSUE FOR DA** A1  
**NOT TO BE USED FOR CONSTRUCTION**

Scales	16-437-DAC440.dwg
1 : 200	Drawn AC
	Designed AC
Height Datum	AHD
Grid	MGA
Client	Checked GJ
	Approved

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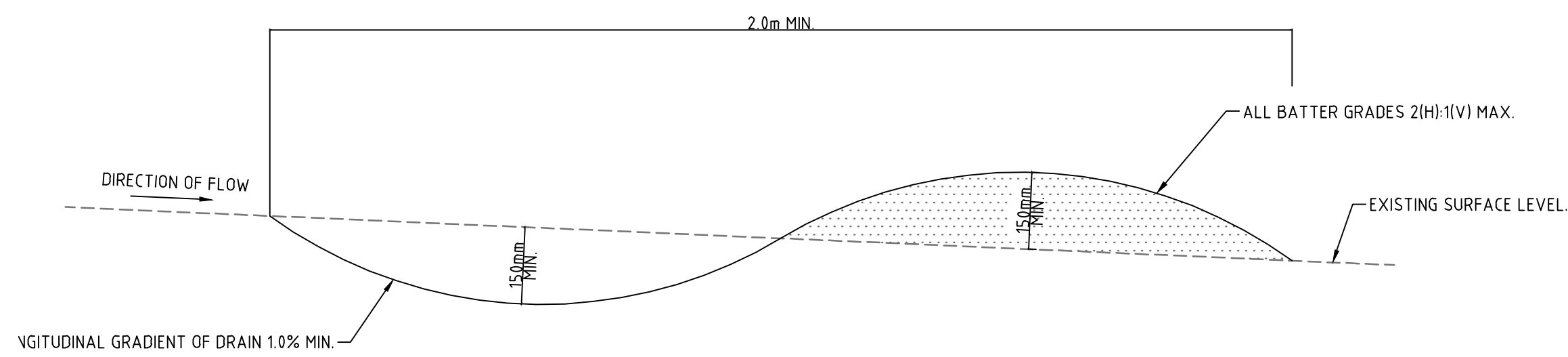
Civil Engineers and Project Managers  
**at&i**  
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Fax: 02 9923 1055  
www.atl.net.au  
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Project  
**PHASE 4**  
**CARTER STREET,**  
**LIDCOMBE**

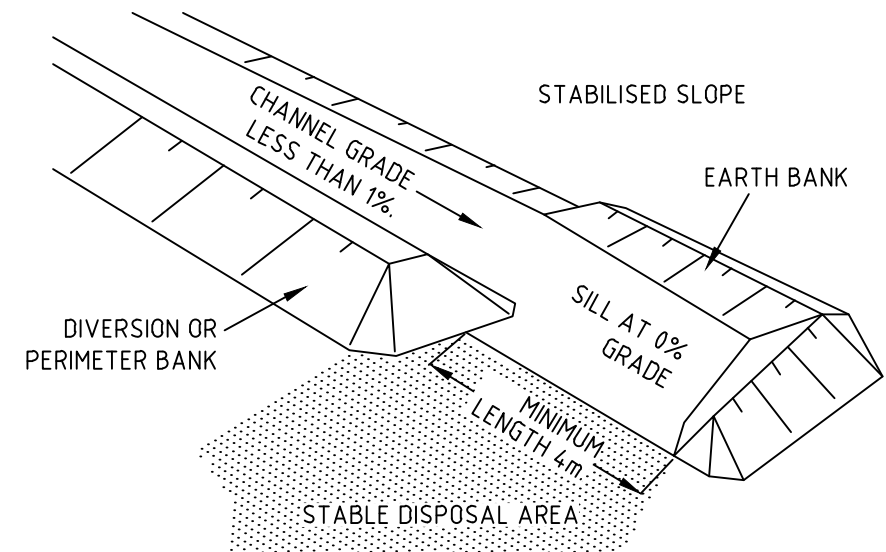
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**EROSION AND**  
**SEDIMENTATION**  
**CONTROL PLAN**

Drawing No. 16-437-DAC440 Project No. 16-437 Issue A

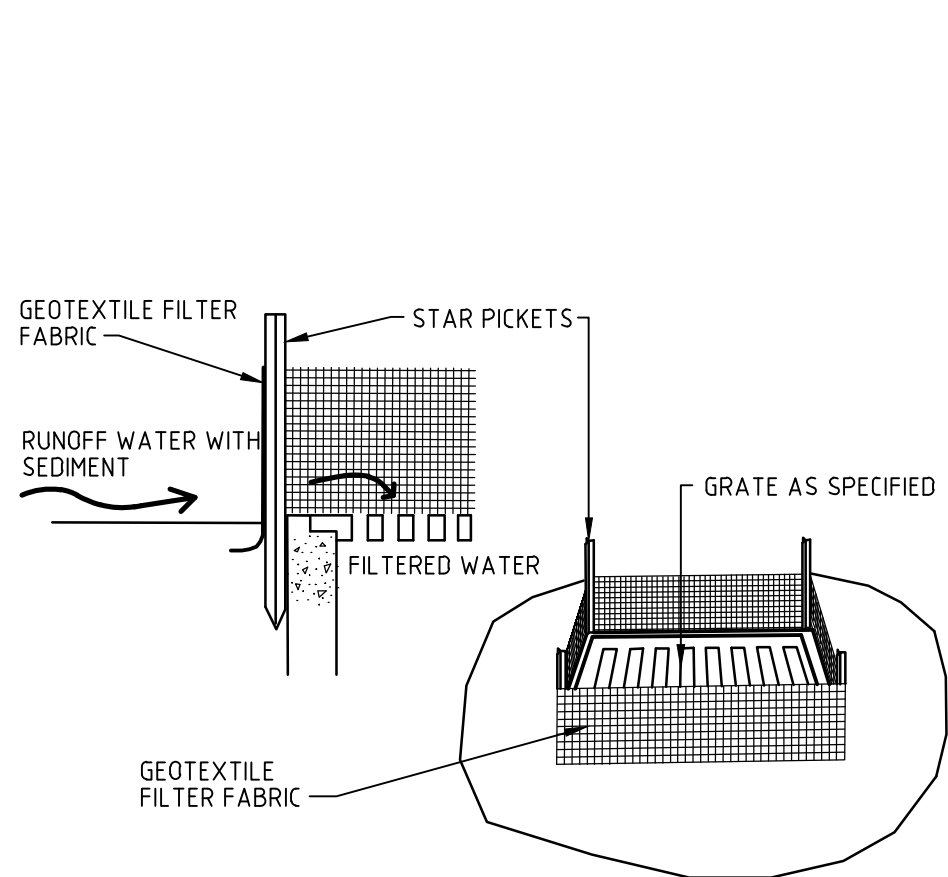




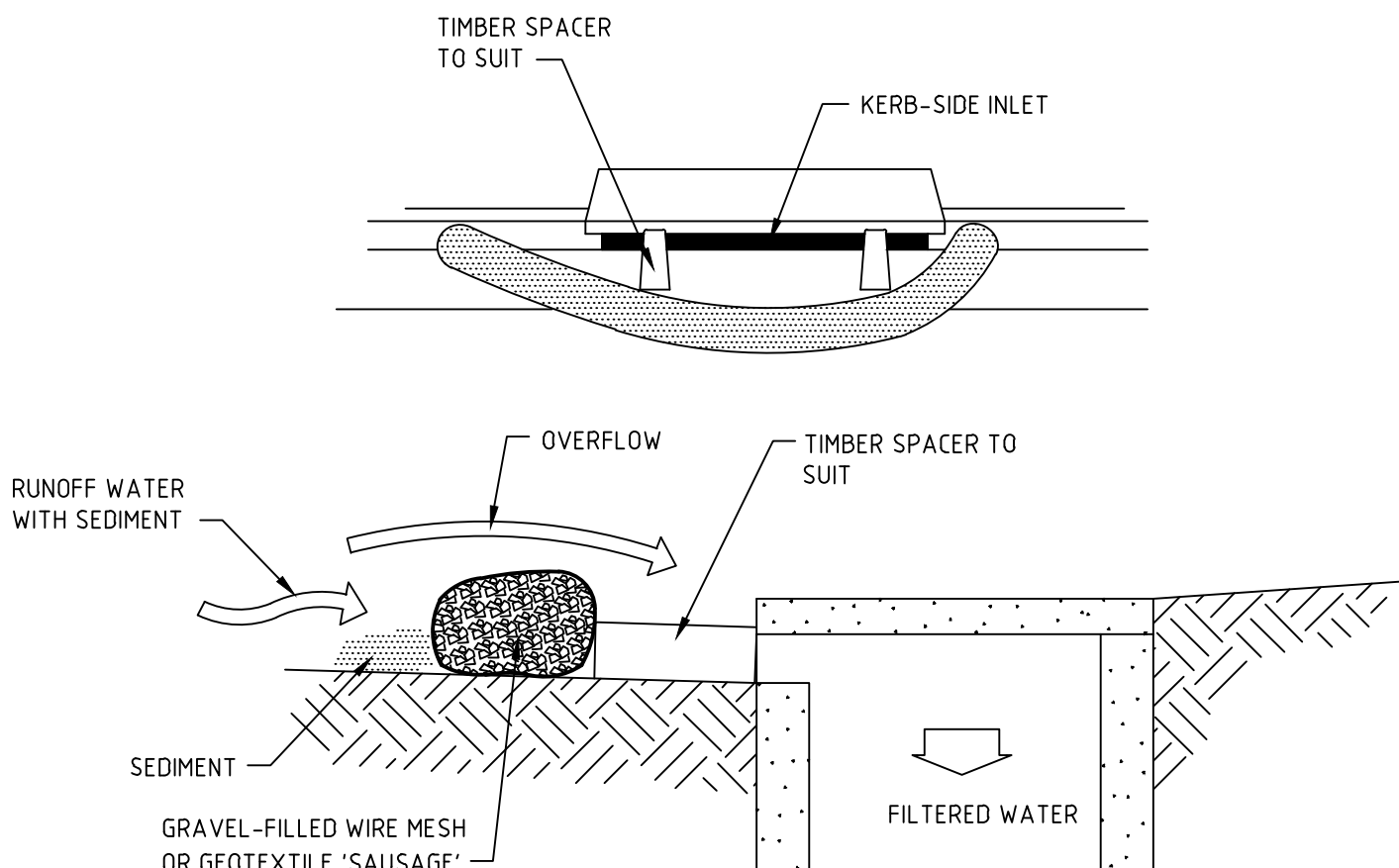
CATCH DRAIN DETAIL  
SCALE 1:10



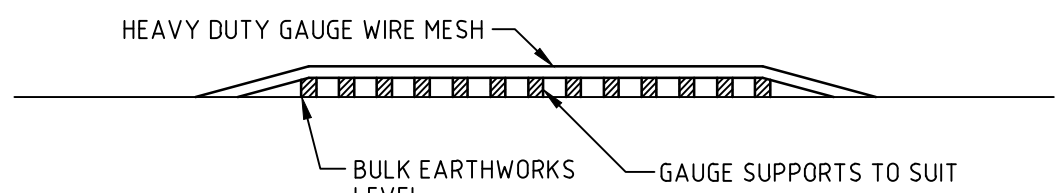
LEVEL SPREADER (OR SILL)  
N.T.S



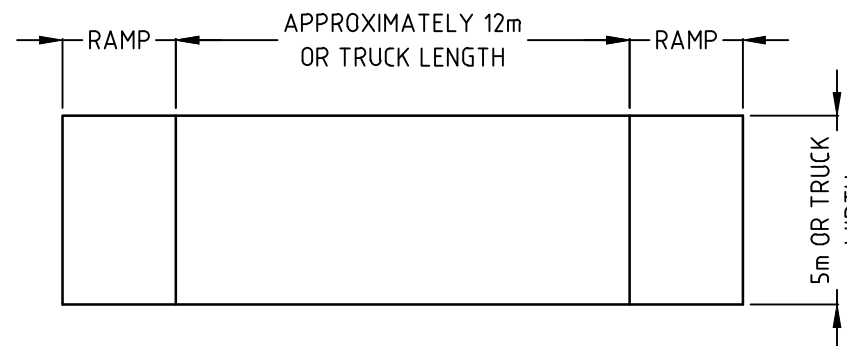
GEOTEXTILE FILTER PIT SURROUND  
NTS



MESH AND GRAVEL INLET FILTER  
NTS



ELEVATION

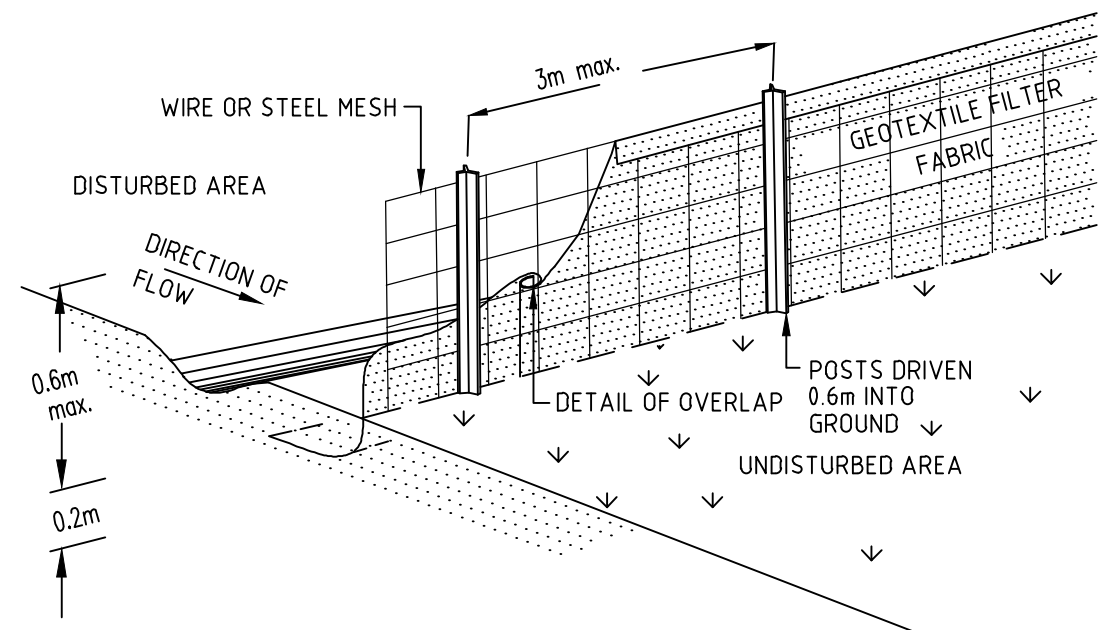


PLAN

TEMPORARY CONSTRUCTION EXIT  
(WASH DOWN DETAIL)

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

Bar Scales

C	ISSUED FOR APPROVAL	03-10-19
B	ISSUED FOR APPROVAL	25-09-19
A	ISSUED FOR APPROVAL	12-06-19
Issue	Description	Date

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Status	ISSUE FOR DA	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	AS SHOWN	16-437-DAC441.dwg
	Drawn	AC
	Designed	AC
Height Datum	AHD	Checked GJ
Grid	MGA	Approved

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.mention.com.au Internet: http://www.mention.com.au
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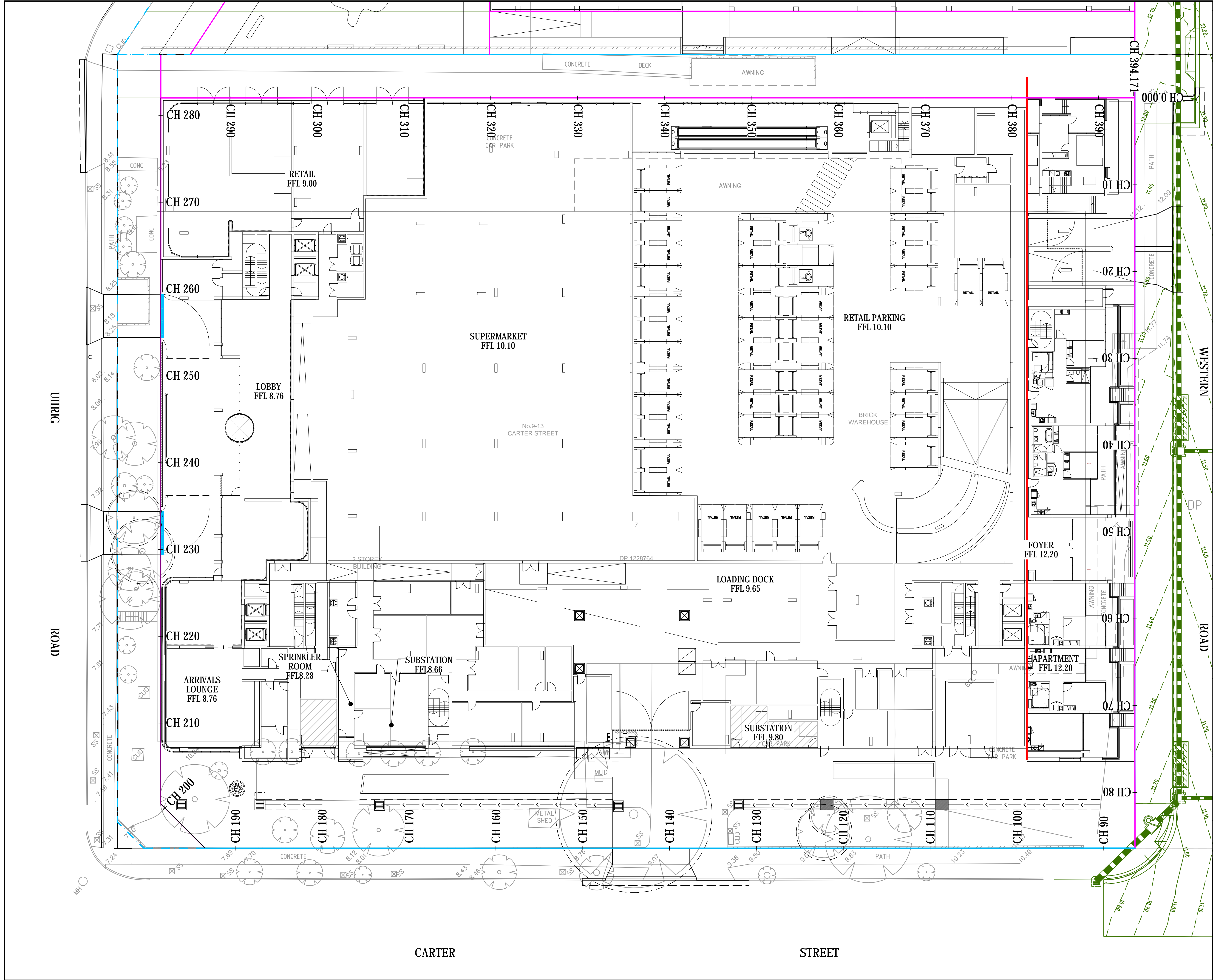
Civil Engineers and Project Managers	Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
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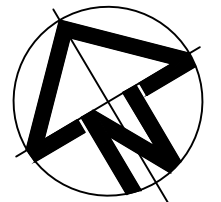
Project	PHASE 4 CARTER STREET, LIDCOMBE
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Title	EROSION AND SEDIMENTATION DETAILS
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Drawing No.	Project No.	Issue
16-437-DAC441	16-437	A







Bar Scales

0 5 10 15

1 : 200 @ A1 1 : 400 @ A3

Issue	Description	Date
B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19

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Status

**ISSUE FOR DA**

**NOT TO BE USED FOR CONSTRUCTION**

A1

Scales	16-437-DAC450.dwg
1 : 200	Drawn AC
	Designed AC
Height Datum	AHD
Grid	MGA
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.mention.com.au
	Internet: http://www.mention.com.au
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

Project

**PHASE 4**

**CARTER STREET, LIDCOMBE**

Title

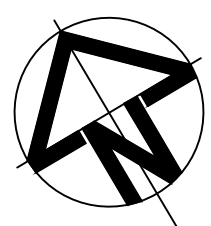
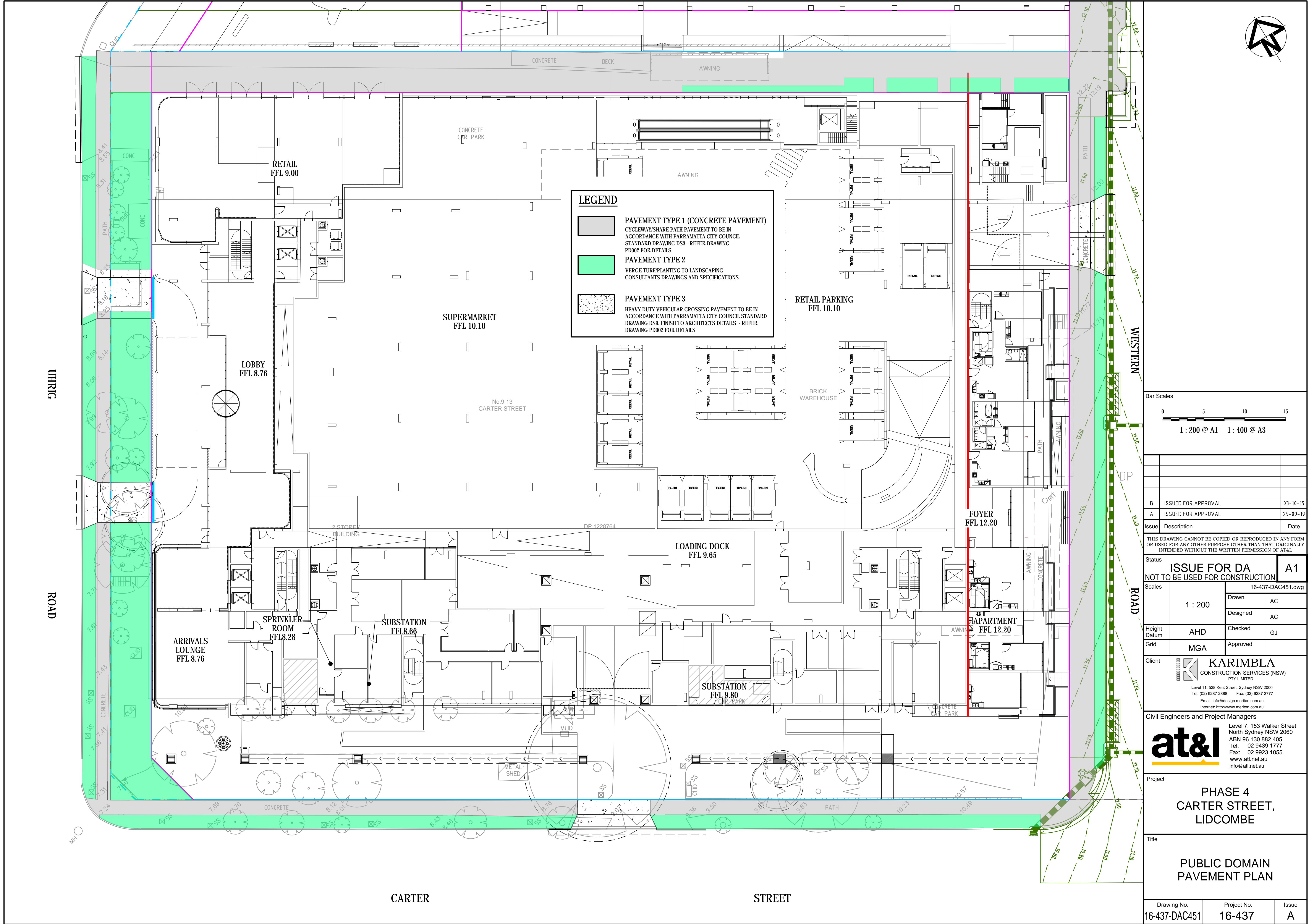
**PUBLIC DOMAIN**

**ALIGNMENT CONTROL**

**PLAN**

Drawing No.	Project No.	Issue
16-437-DAC450	16-437	A



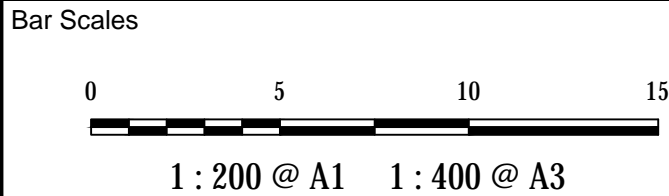


**LEGEND**

**PAVEMENT TYPE 1 (CONCRETE PAVEMENT)**  
CYCLEWAY/SHARE PATH PAVEMENT TO BE IN ACCORDANCE WITH PARRAMATTA CITY COUNCIL STANDARD DRAWING DS3 - REFER DRAWING PD002 FOR DETAILS

**PAVEMENT TYPE 2**  
VERGE TURF/PLANTING TO LANDSCAPING CONSULTANTS DRAWINGS AND SPECIFICATIONS

**PAVEMENT TYPE 3**  
HEAVY DUTY VEHICULAR CROSSING PAVEMENT TO BE IN ACCORDANCE WITH PARRAMATTA CITY COUNCIL STANDARD DRAWING DS9. FINISH TO ARCHITECTS DETAILS - REFER DRAWING PD002 FOR DETAILS



Issue	Description	Date
B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19

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Status	<b>ISSUE FOR DA</b> <b>NOT TO BE USED FOR CONSTRUCTION</b>	<b>A1</b>

Scales	1 : 200	16-437-DAC451.dwg	
		Drawn	AC
		Designed	AC
Height Datum	AHD	Checked	GJ
Grid	MGA	Approved	

Client

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North Sydney NSW 2060  
ABN 96 130 882 405  
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Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Project

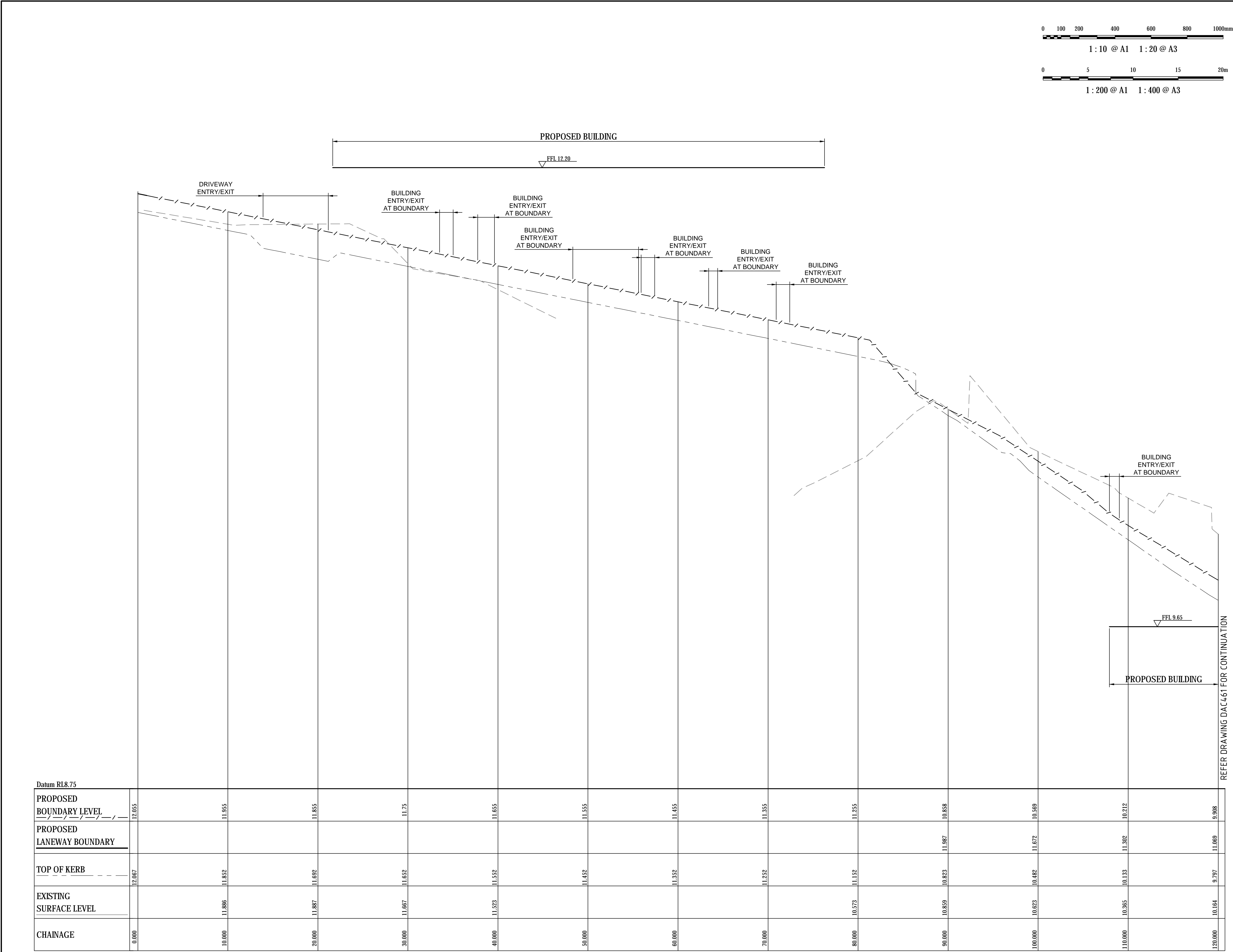
**PHASE 4  
CARTER STREET,  
LIDCOMBE**

Title

**PUBLIC DOMAIN  
PAVEMENT PLAN**

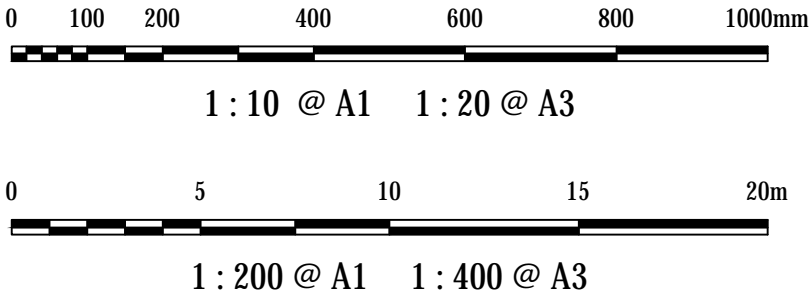
Drawing No.	Project No.	Issue
16-437-DAC451	16-437	A





CONTROL LINE PD01 LONGITUDINAL SECTION

SCALE 1:200 HORZ  
1:10 VERT.



Bar Scales

B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19
Issue	Description	Date

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Status	ISSUE FOR DA		A1
NOT TO BE USED FOR CONSTRUCTION			

Scales	AS SHOWN	16-437-DAC460.dwg	
		Drawn	AC
Height Datum	AHD	Designed	AC
		Checked	GJ
Grid	MGA	Approved	

Client	<b>KARIMBLA</b> CONSTRUCTION SERVICES (NSW) PTY LIMITED Level 11, 528 Kent Street, Sydney NSW 2000 Tel: (02) 9287 2888 Fax: (02) 9287 2777 Email: info@design.mention.com.au Internet: http://www.mention.com.au		
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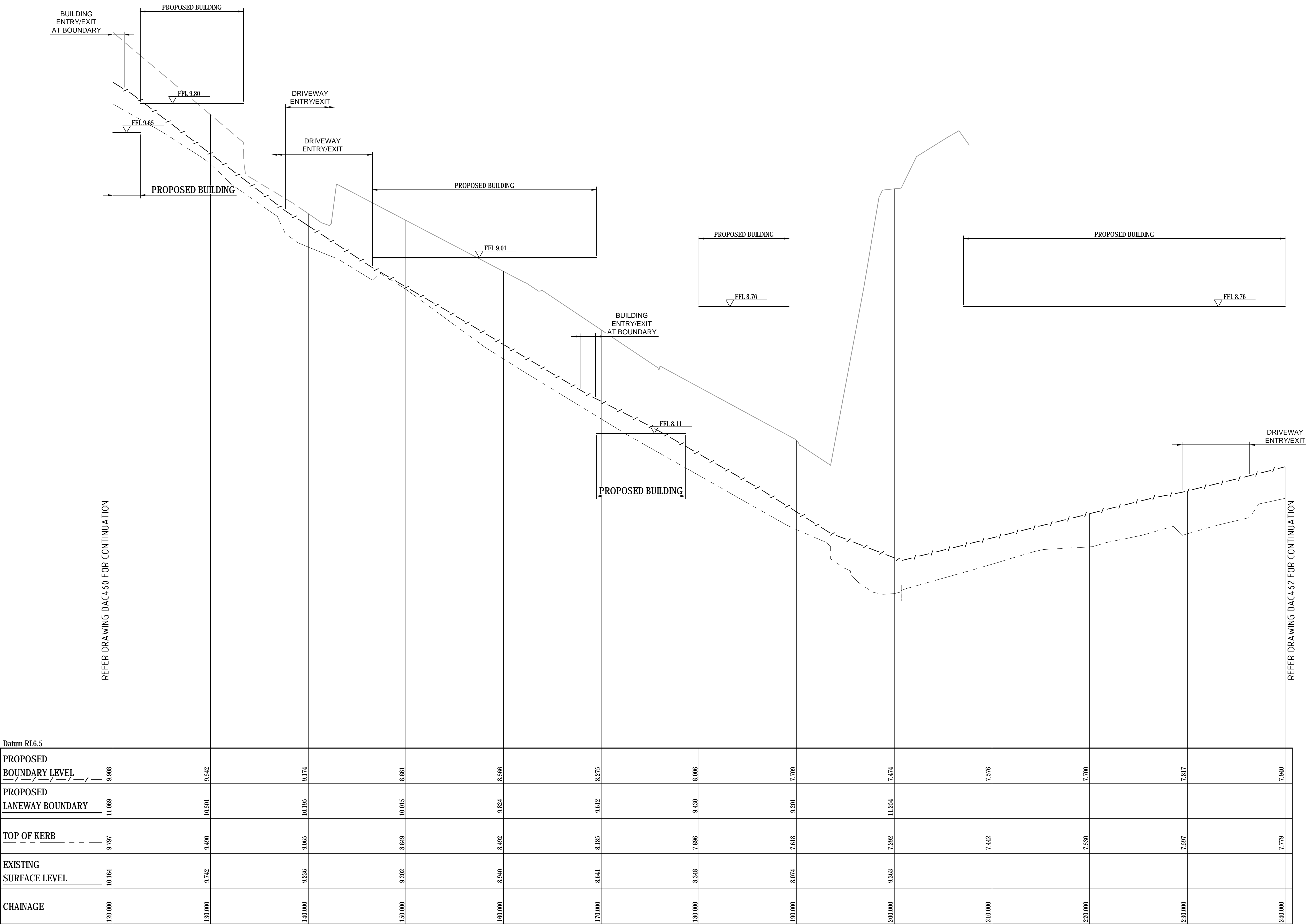
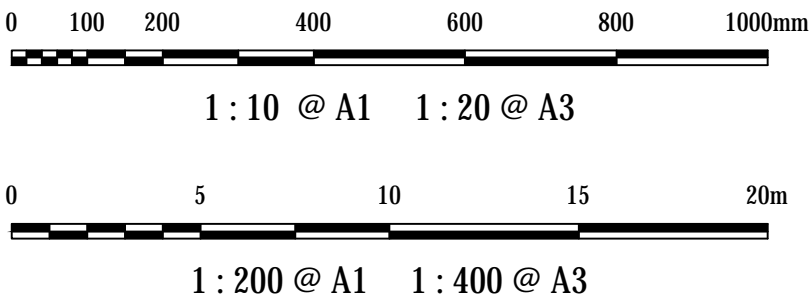
Civil Engineers and Project Managers	
	Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au

Project	PHASE 4 CARTER STREET, LIDCOMBE
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Title	PUBLIC DOMAIN ALIGNMENT LONGITUDINAL SECTION SHEET 1
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Drawing No.	Project No.	Issue
16-437-DAC460	16-437	A





CONTROL LINE PD01 LONGITUDINAL SECTION

SCALE 1:200 HORI  
1:10 VERT.

Bar Scales

B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19
Issue	Description	Date

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Status	ISSUE FOR DA		A1
NOT TO BE USED FOR CONSTRUCTION			

Scales	AS SHOWN	16-437-DAC461.dwg	
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		Designed	AC
Height Datum	AHD	Checked	GJ
Grid	MGA	Approved	

Client



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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

Project

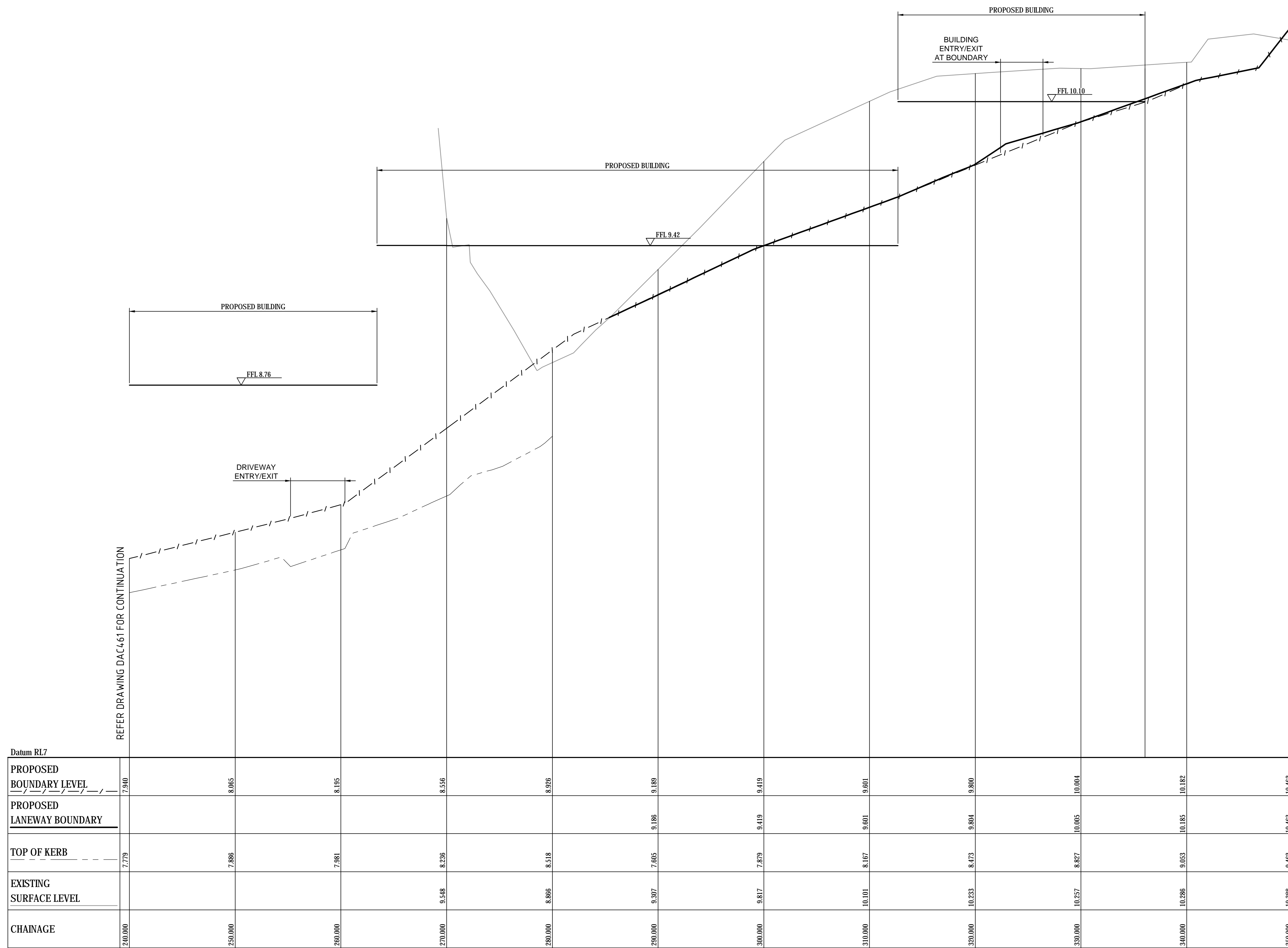
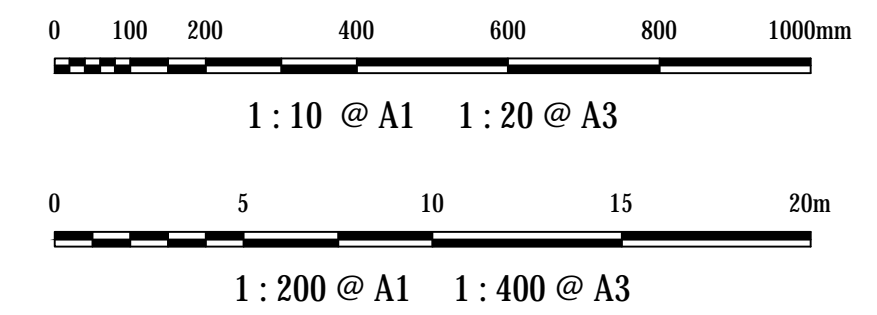
**PHASE 4  
CARTER STREET,  
LIDCOMBE**

Title

**PUBLIC DOMAIN  
ALIGNMENT  
LONGITUDINAL SECTION  
SHEET 2**

Drawing No.	Project No.	Issue
16-437-DAC461	16-437	A





CONTROL LINE PD01 LONGITUDINAL SECTION

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SCALE 1:200 HORI.  
1:10 VERT.

Bar Scales		
B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19
Issue	Description	Date

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INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status		<div style="border: 1px solid black; padding: 5px; text-align: center;"> <h1 style="margin: 0;">ISSUE FOR DA</h1> <h2 style="margin: 0;">NOT TO BE USED FOR CONSTRUCTION</h2> </div>		<div style="border: 1px solid black; padding: 10px; text-align: center;"> <h1 style="margin: 0;">A1</h1> </div>	
Scales		16-437-DAC462.dwg			
AS SHOWN		Drawn		AC	
		Designed		AC	
Height Datum	AHD	Checked		GJ	
Grid	MGA	Approved			

**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](mailto:info@design.meriton.com.au)  
Internet: <http://www.meriton.com.au>

**Civil Engineers and Project Managers**

**at&I**

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North Sydney NSW 2060  
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Fax: 02 9923 1055  
[www.atl.net.au](http://www.atl.net.au)  
[info@atl.net.au](mailto:info@atl.net.au)

Project

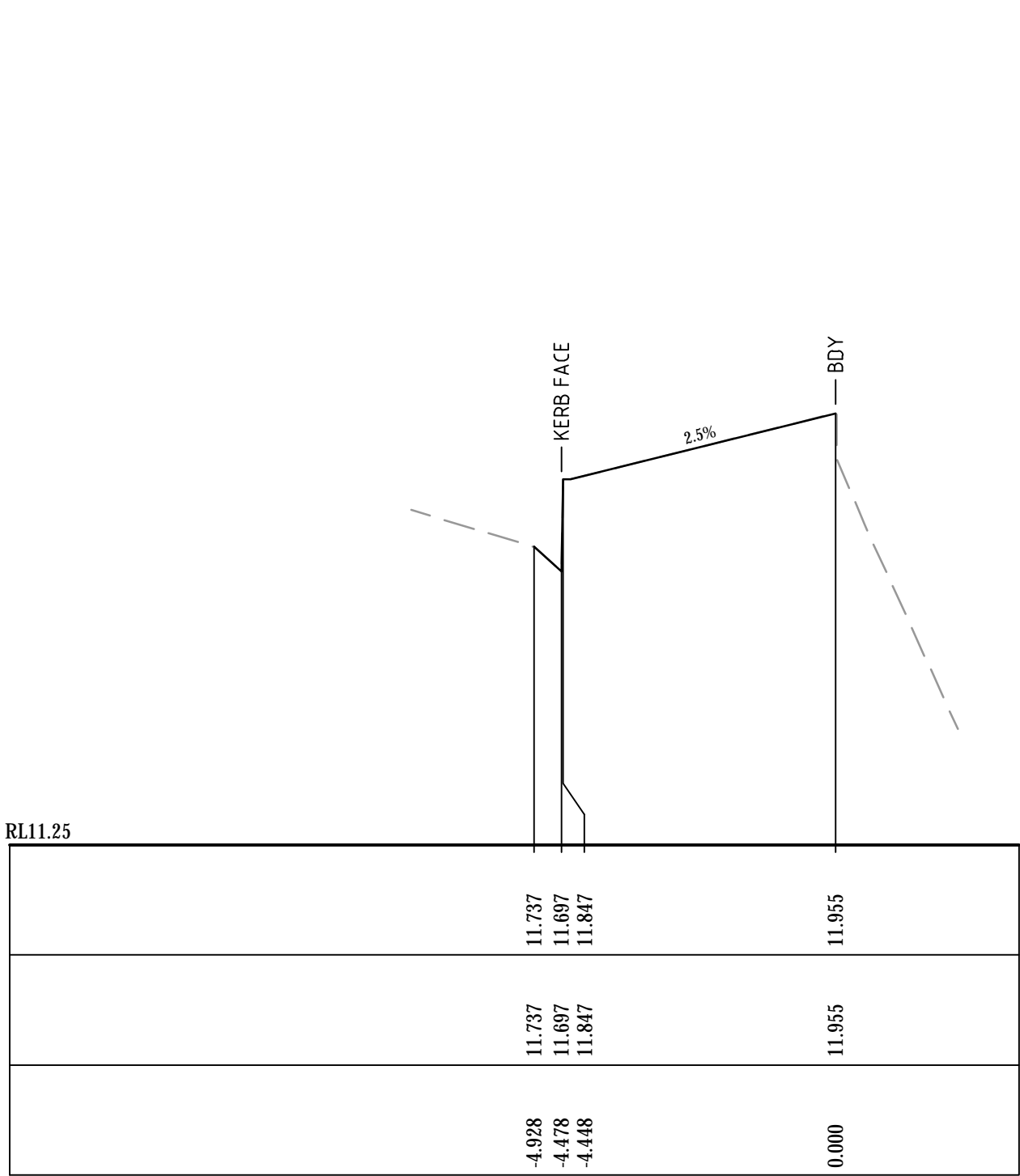
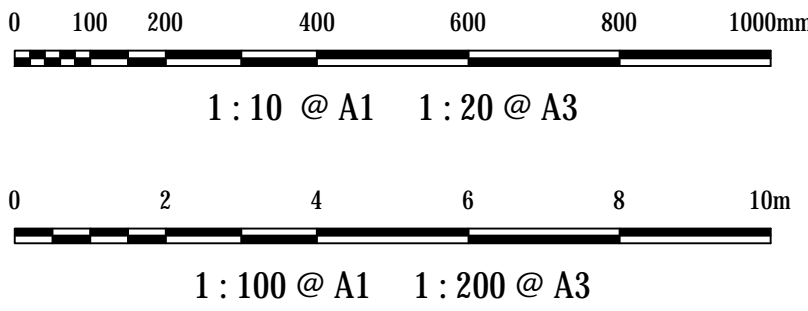
PHASE 4  
CARTER STREET,  
LIDCOMBE

Title

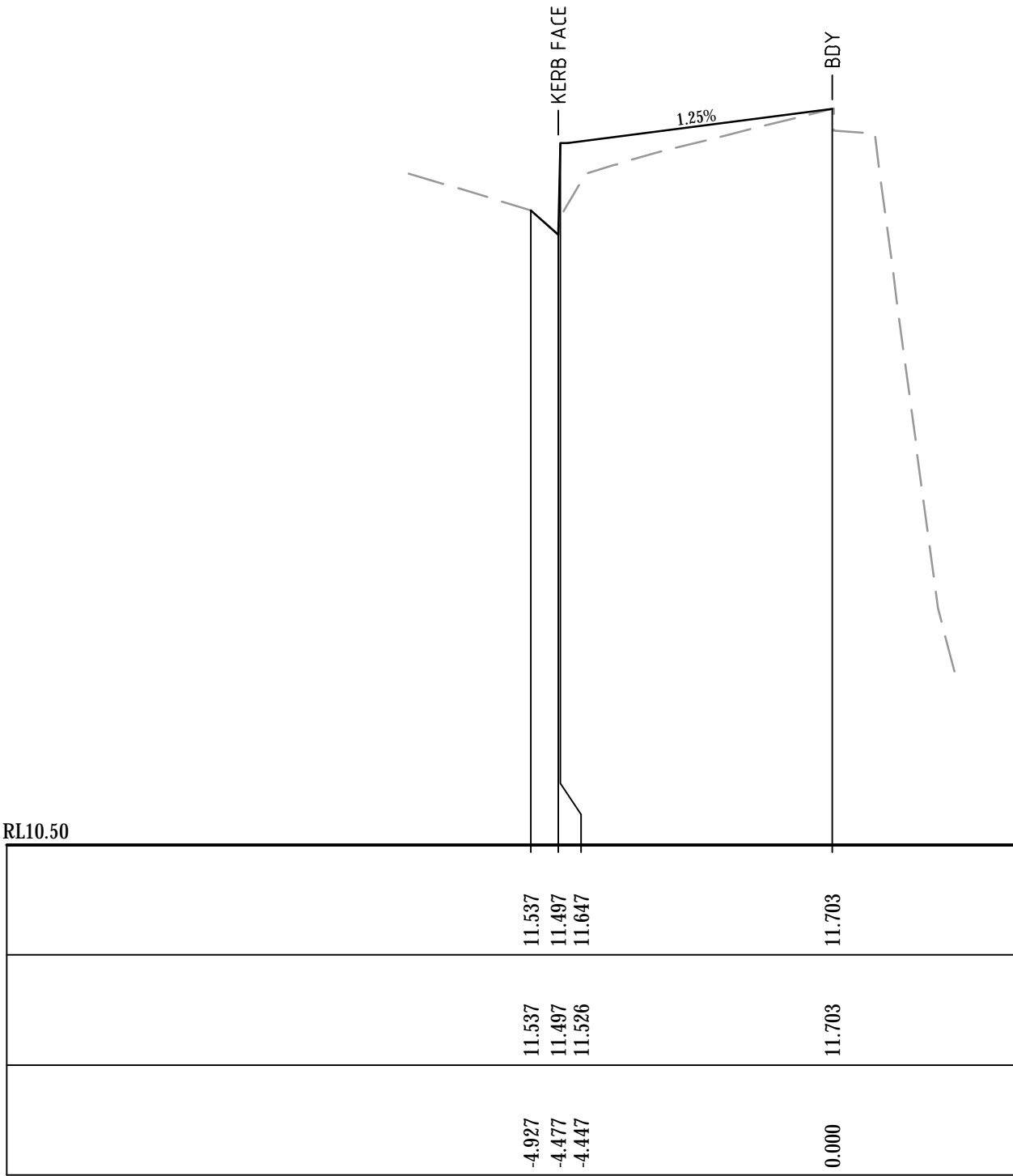
PUBLIC DOMAIN  
ALIGNMENT  
LONGITUDINAL SECTION  
SHEET 3

Drawing No.	Project No.	Issue
16-437-DAC462	16-437	A

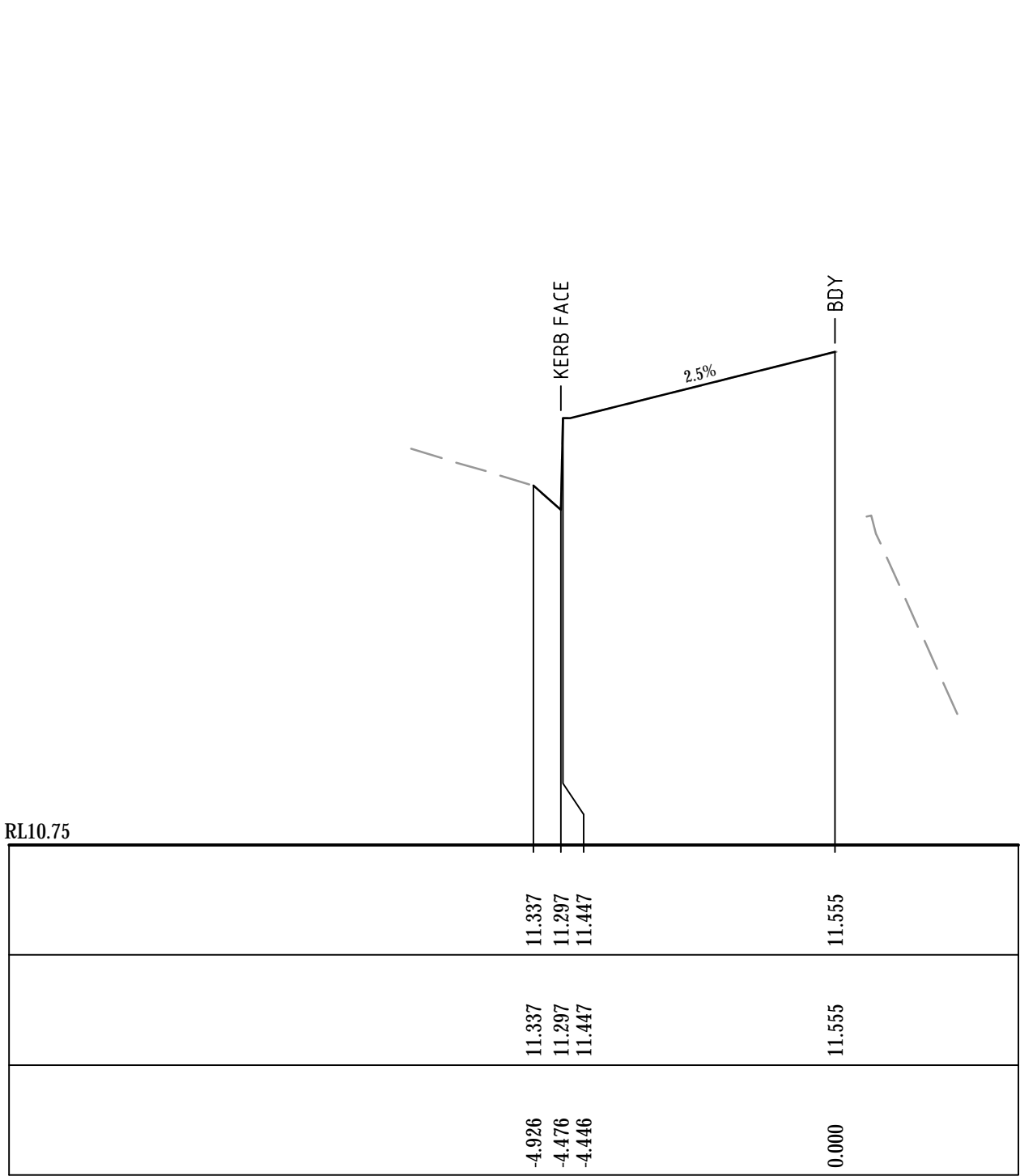




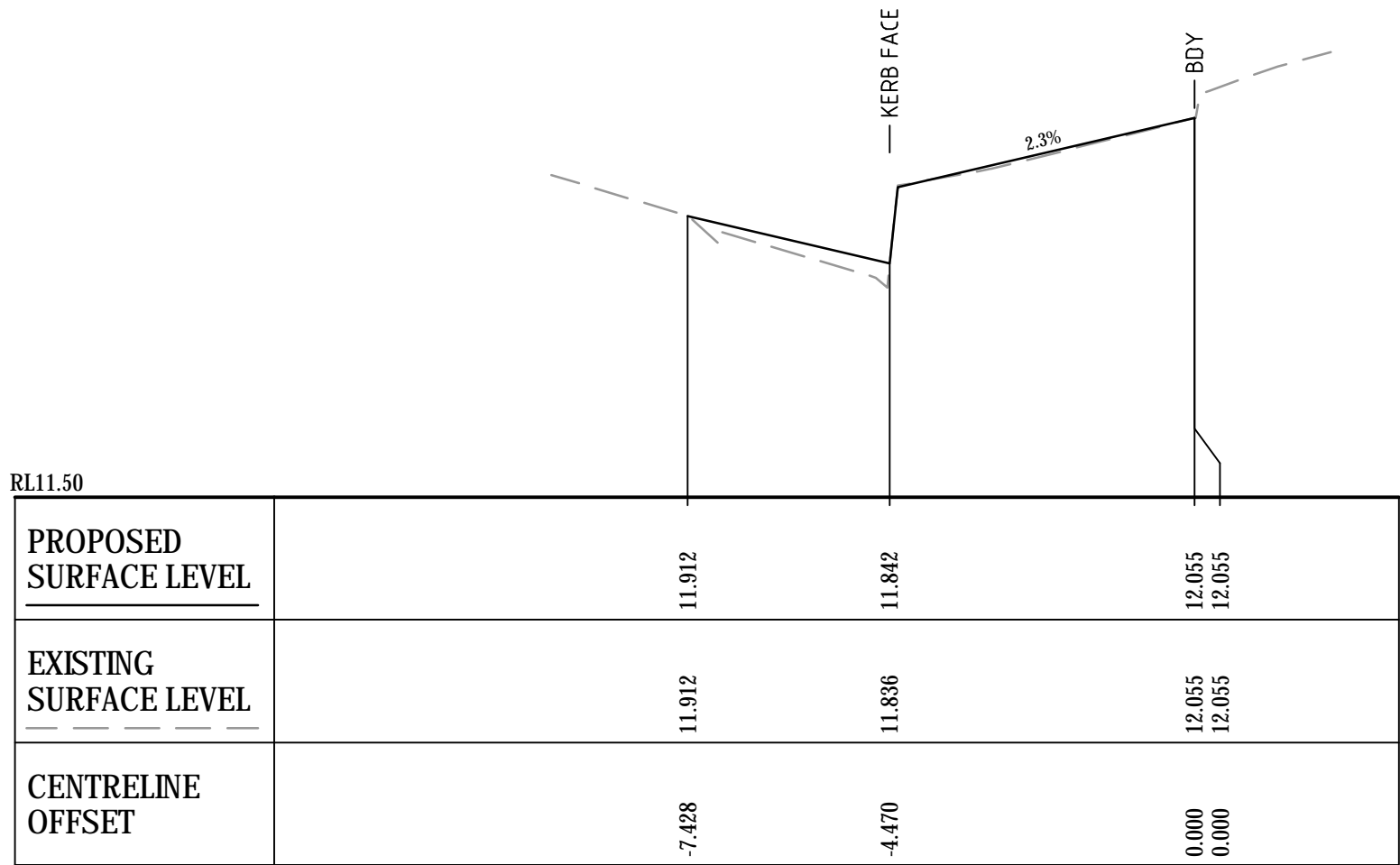
CH 10



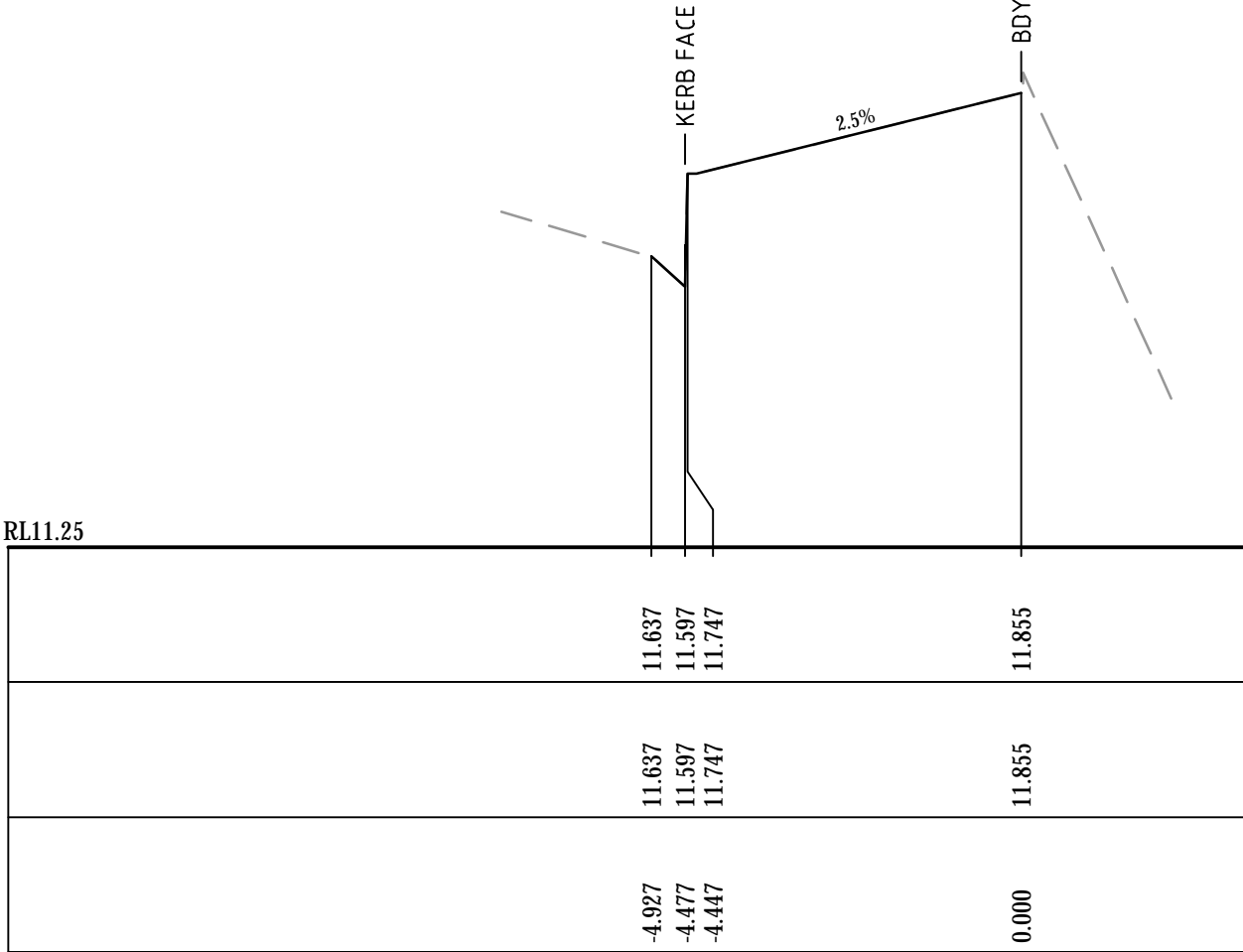
CH 30



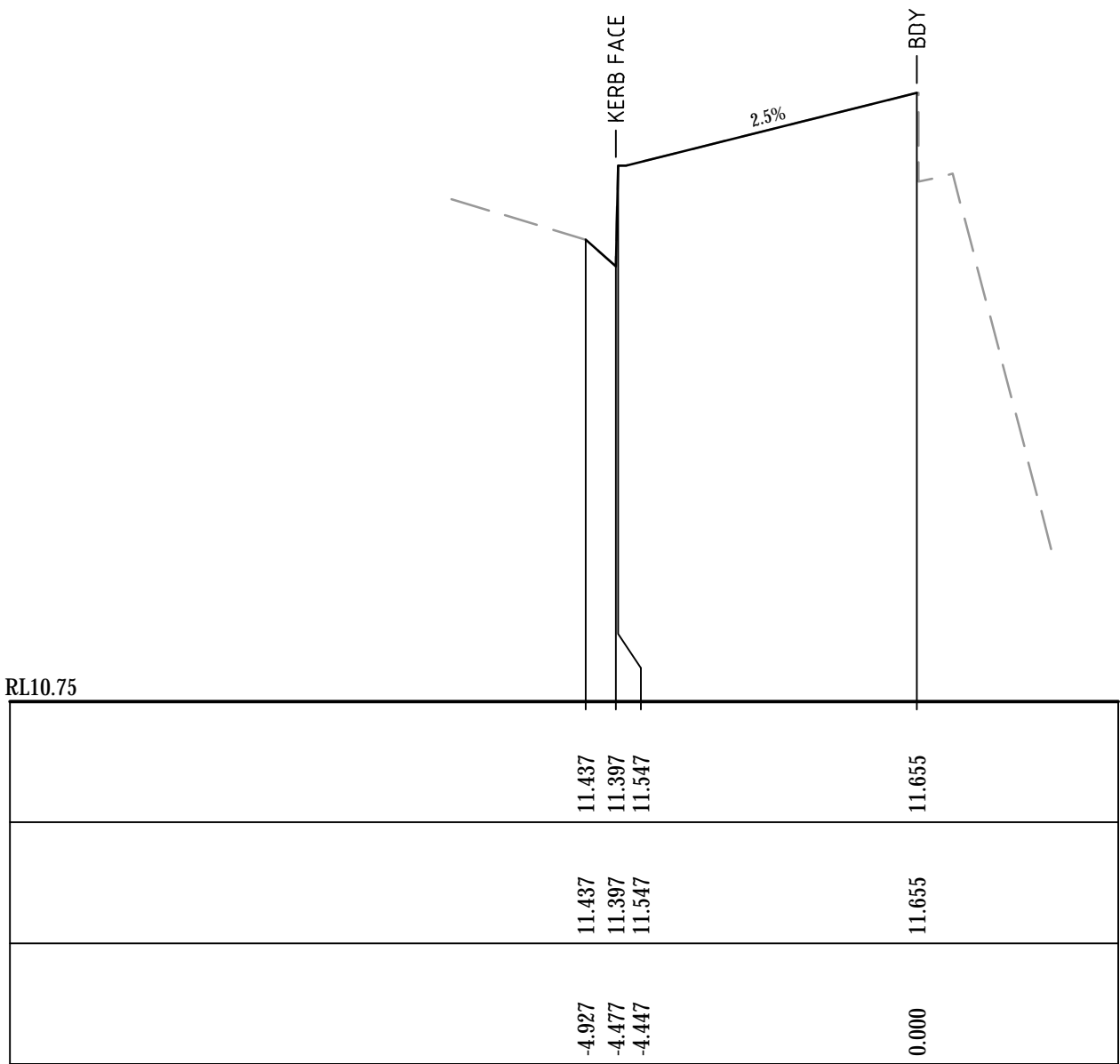
CH 50



CH 0



CH 20



CH 40

Bar Scales

B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19
Issue	Description	Date

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Status	ISSUE FOR DA	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	AS SHOWN	16-437-DAC470.dwg	
		Drawn	AC
		Designed	AC
Height Datum	AHD	Checked	GJ
Grid	MGA	Approved	

Client	 <b>KARIMBLA</b> CONSTRUCTION SERVICES (NSW) PTY LIMITED Level 11, 528 Kent Street, Sydney NSW 2000 Tel: (02) 9287 2888 Fax: (02) 9287 2777 Email: info@design.mention.com.au Internet: http://www.mention.com.au
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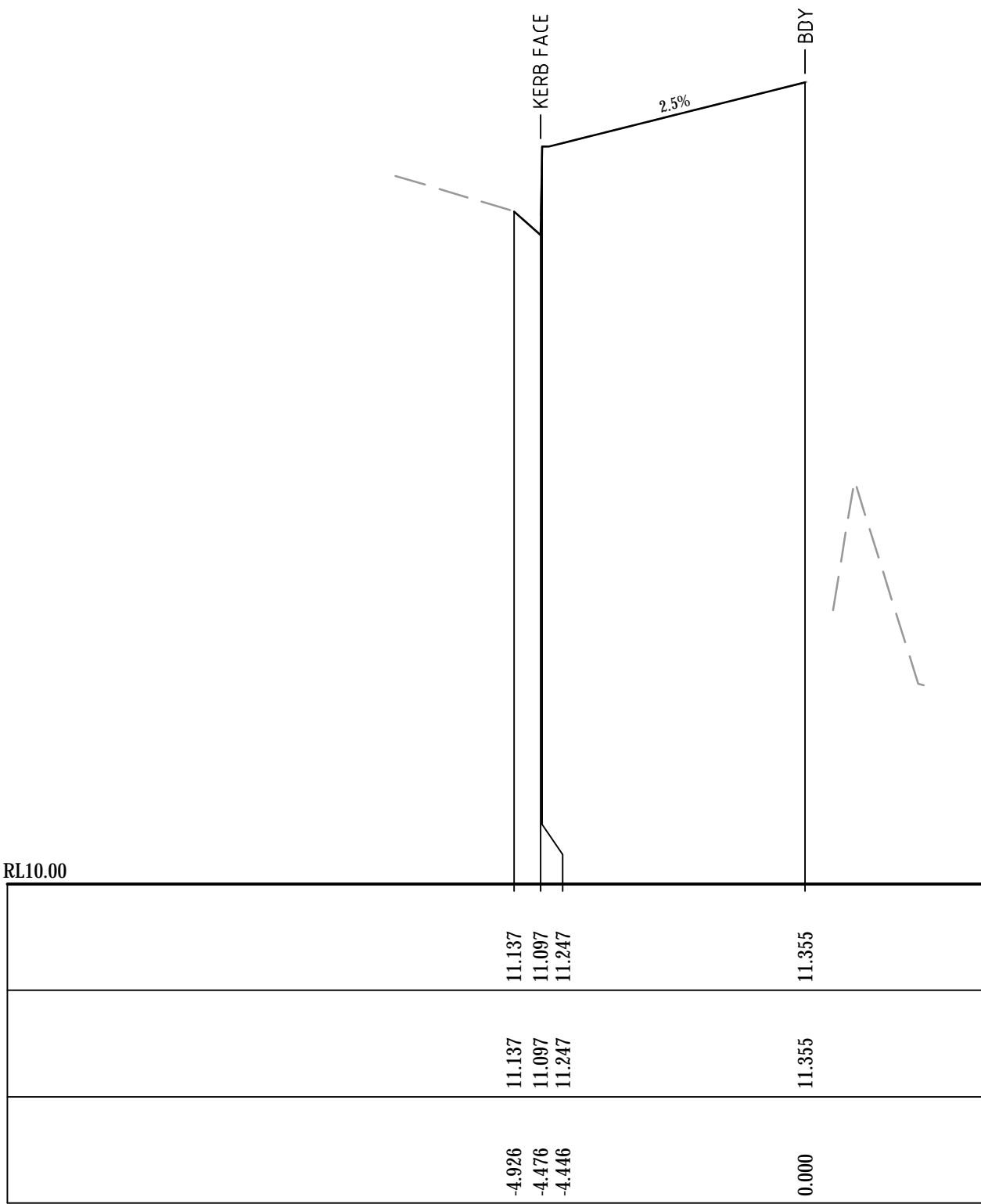
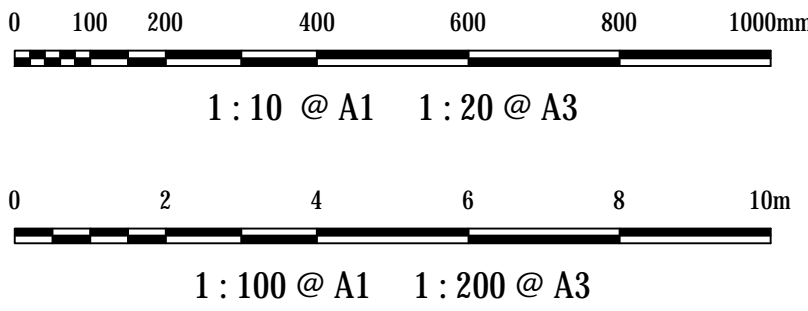
Civil Engineers and Project Managers	 <b>at&amp;l</b> Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
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Project	PHASE 4 CARTER STREET, LIDCOMBE
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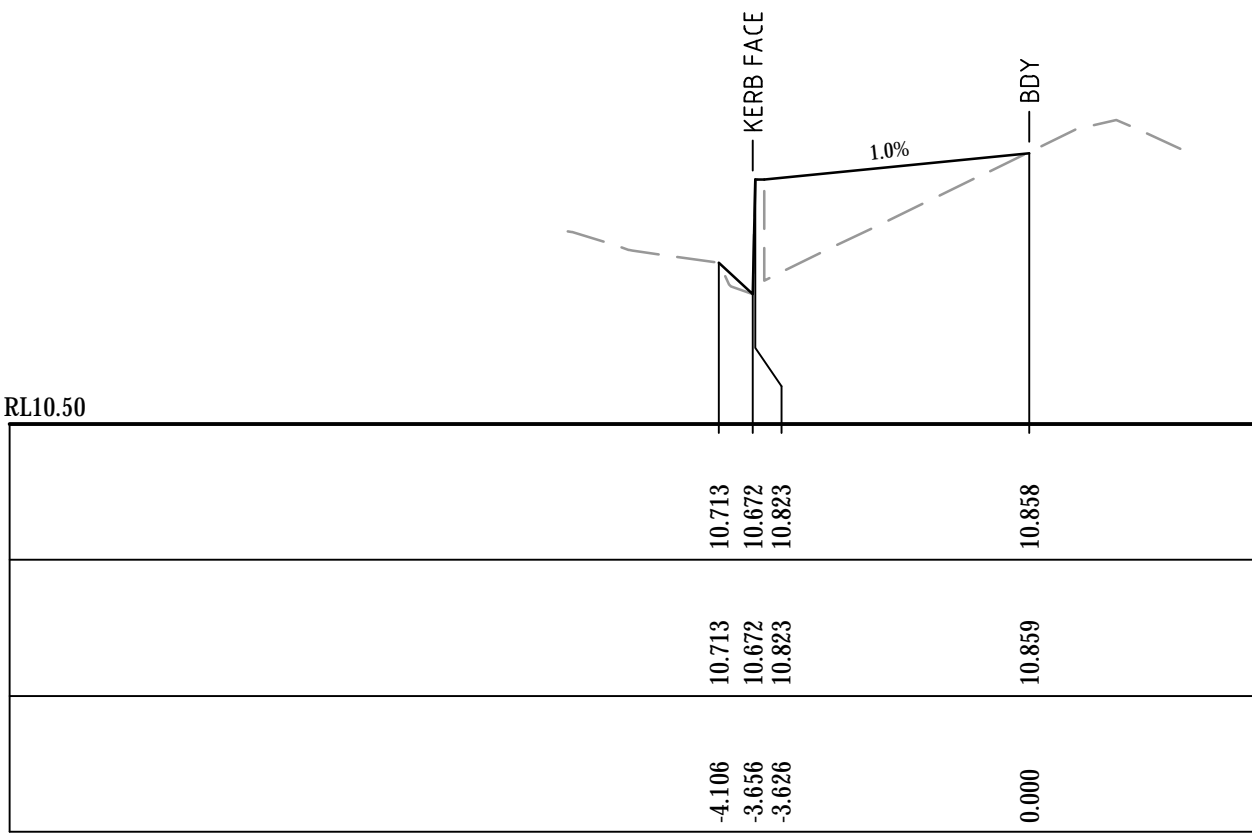
Title	PUBLIC DOMAIN ALIGNMENT CROSS SECTION SHEET 1
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Drawing No.	Project No.	Issue
16-437-DAC470	16-437	A

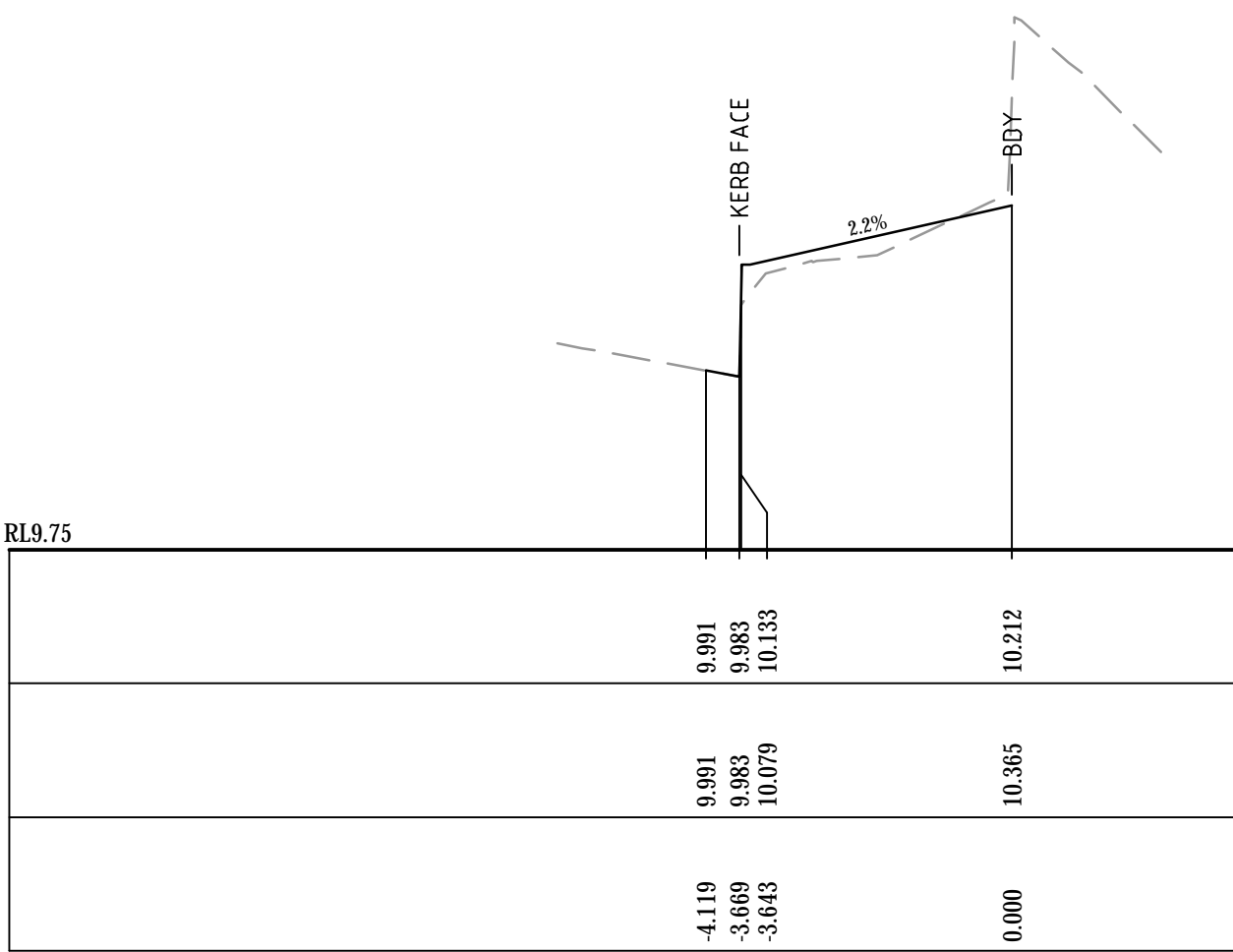




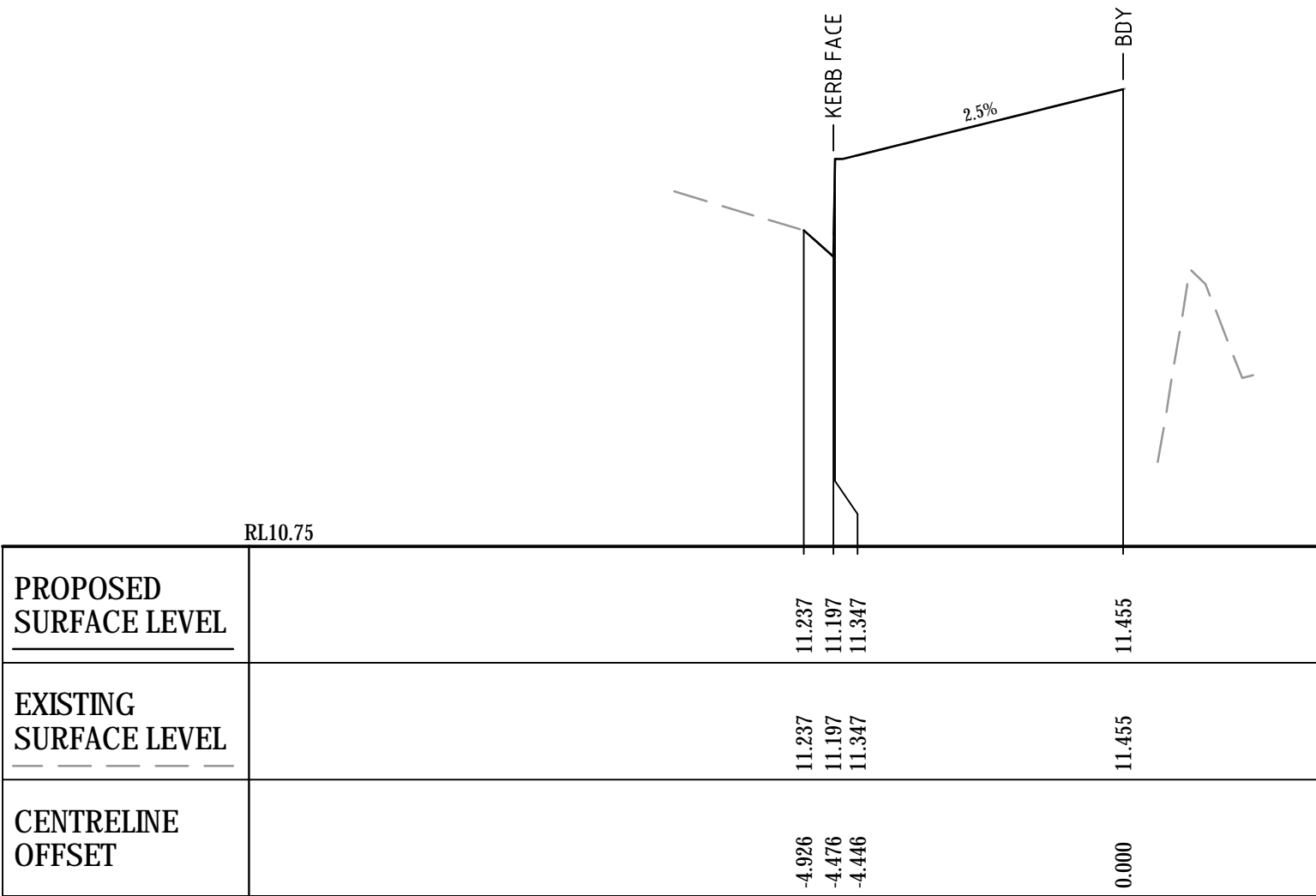
CH 70



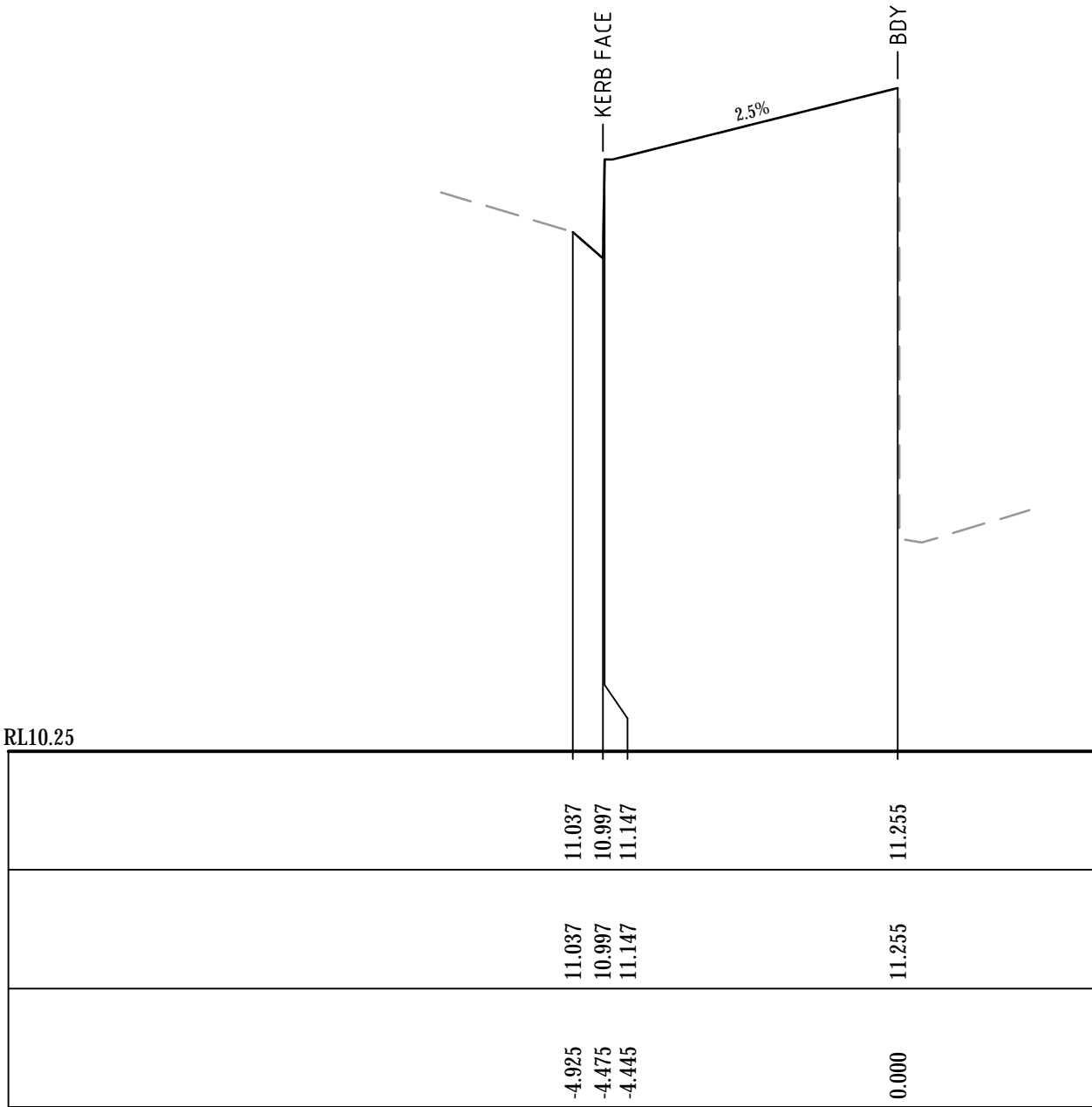
CH 90



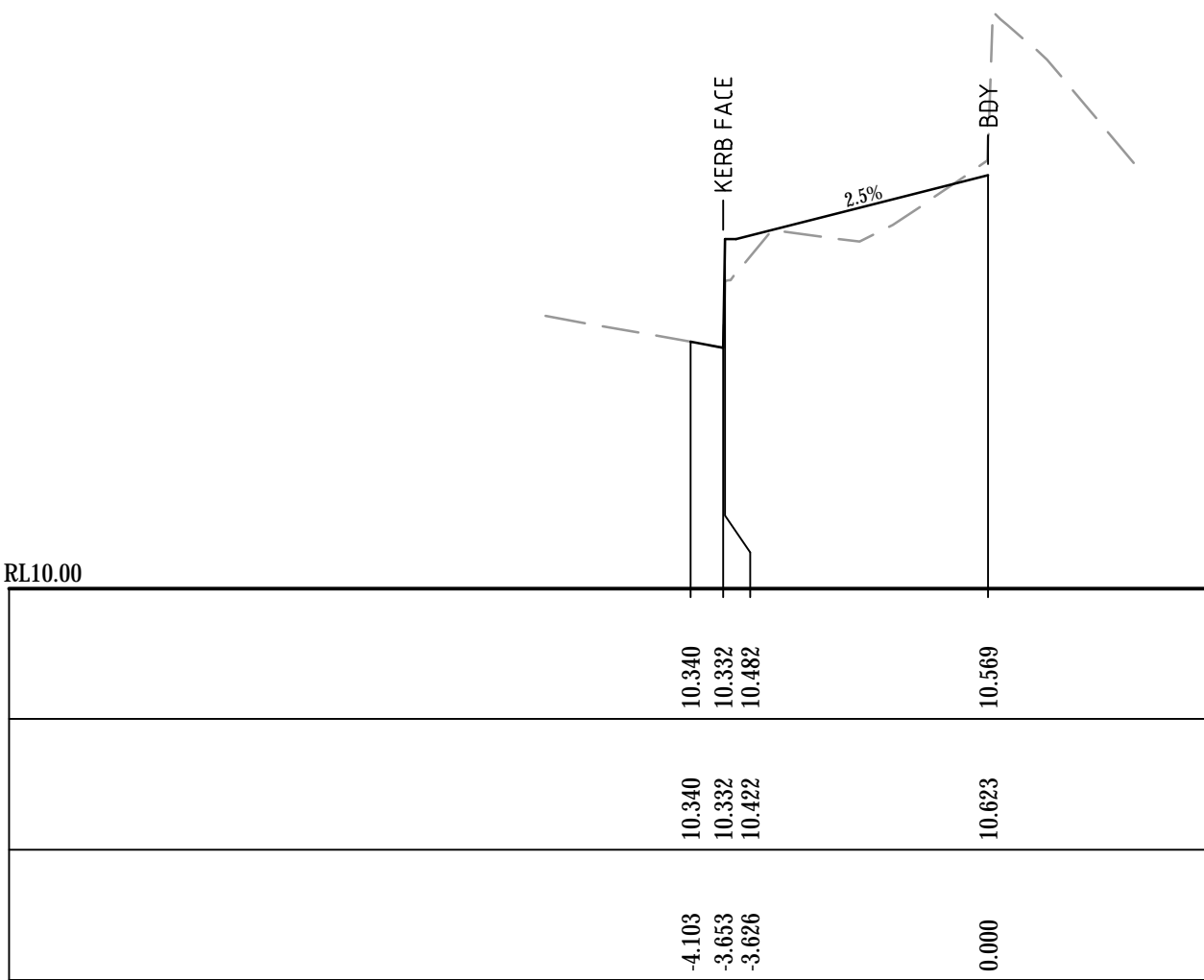
CH 110



CH 60



CH 80



CH 100

Bar Scales

B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19

Issue	Description	Date
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Status	ISSUE FOR DA NOT TO BE USED FOR CONSTRUCTION	A1
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Scales	AS SHOWN	16-437-DAC471.dwg
	Drawn	AC
	Designed	AC
Height Datum	AHD	Checked GJ
Grid	MGA	Approved

Client	 <b>KARIMBLA</b> CONSTRUCTION SERVICES (NSW) PTY LIMITED Level 11, 528 Kent Street, Sydney NSW 2000 Tel: (02) 9287 2888 Fax: (02) 9287 2777 Email: info@design.mention.com.au Internet: http://www.mention.com.au
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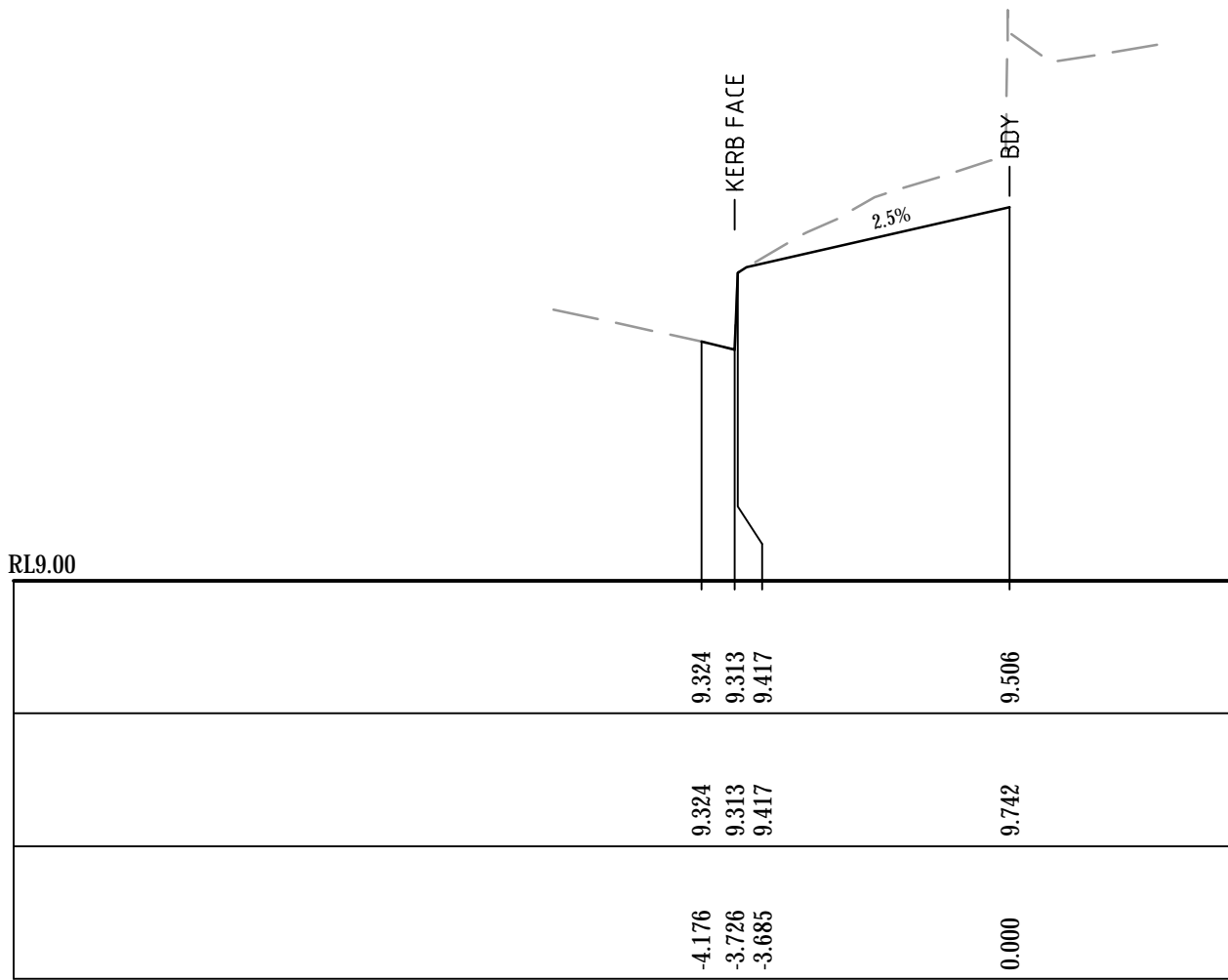
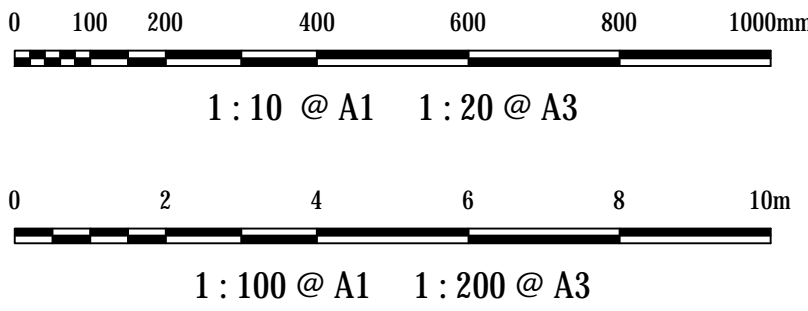
Civil Engineers and Project Managers	 <b>at&amp;l</b> Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au
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Project	PHASE 4 CARTER STREET, LIDCOMBE
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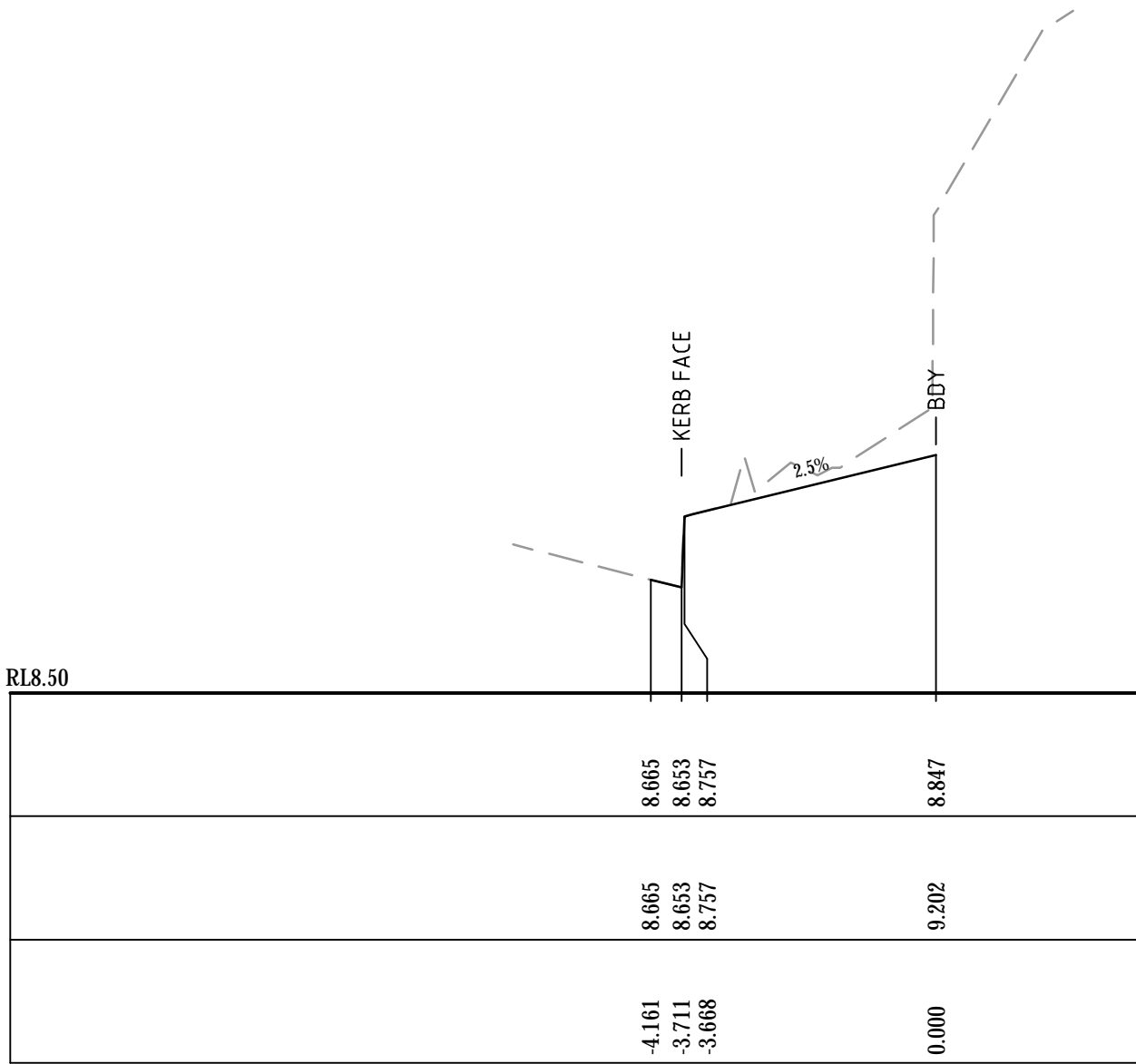
Title	PUBLIC DOMAIN ALIGNMENT CROSS SECTION SHEET 2
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Drawing No.	Project No.	Issue
16-437-DAC471	16-437	A

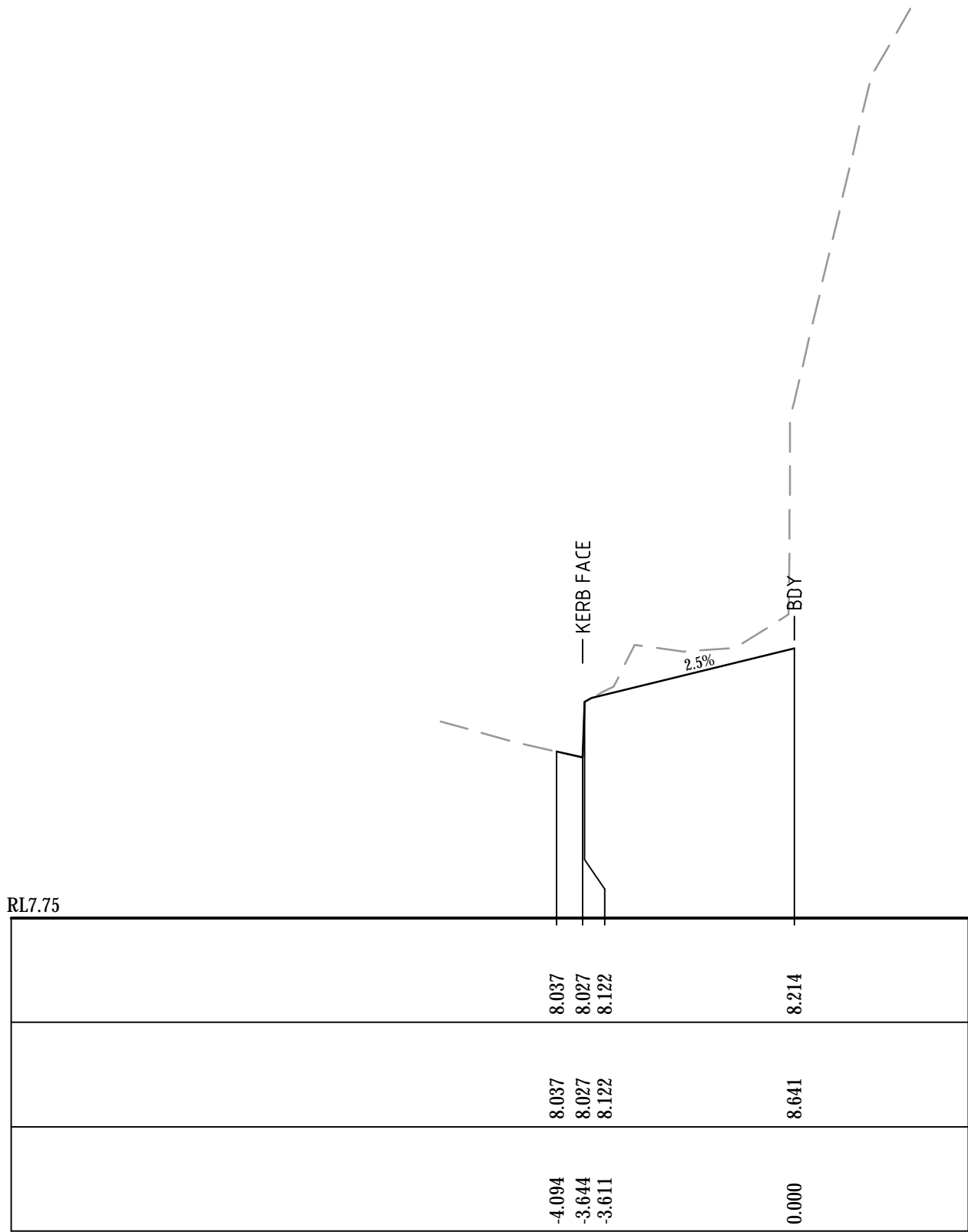




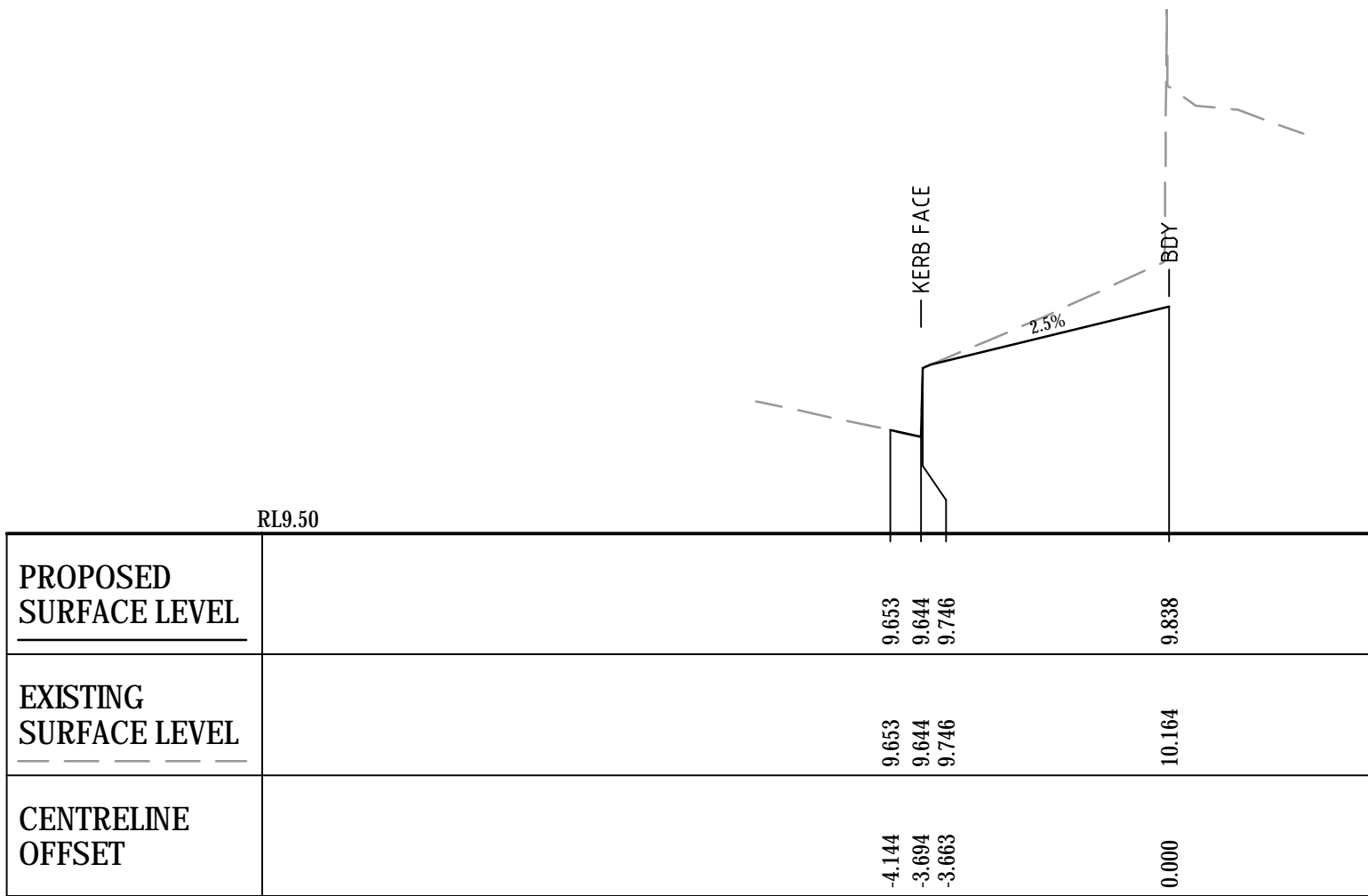
CH 130



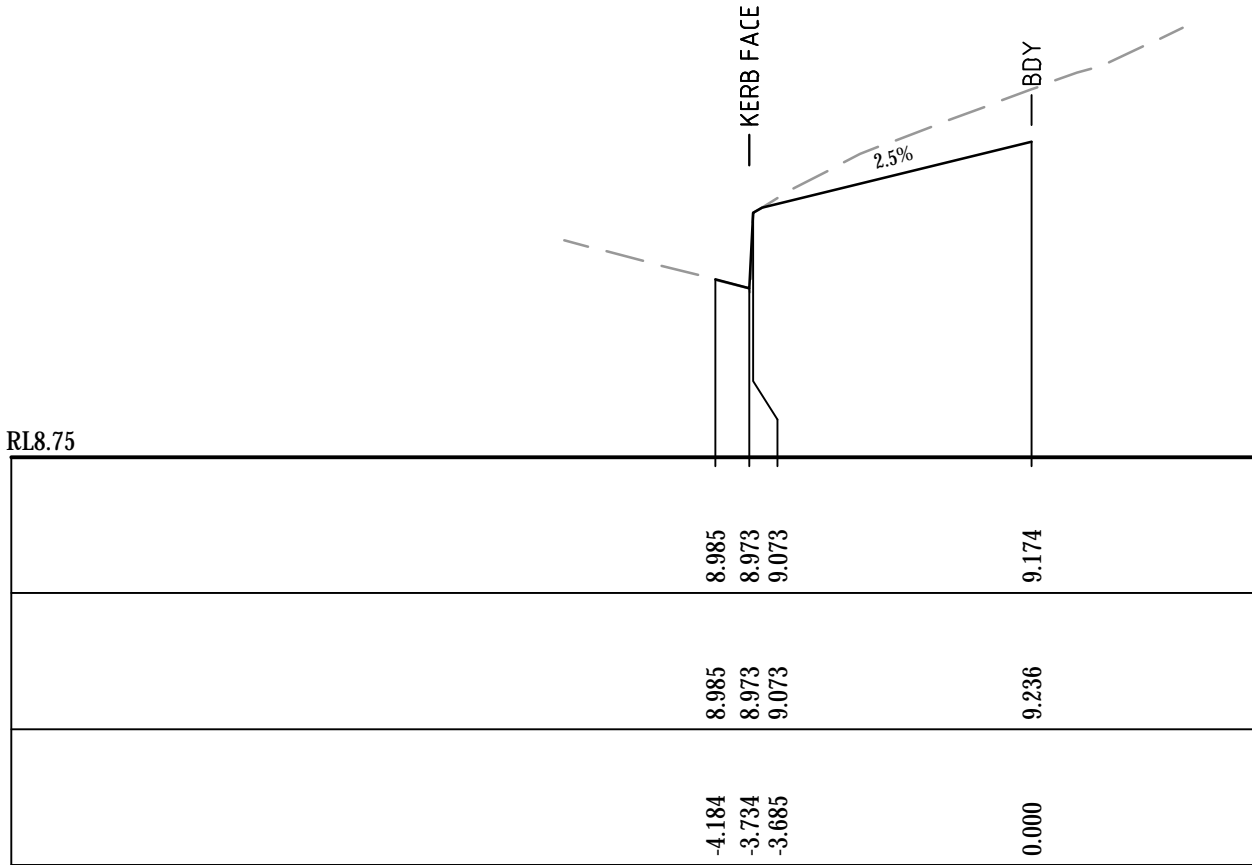
CH 150



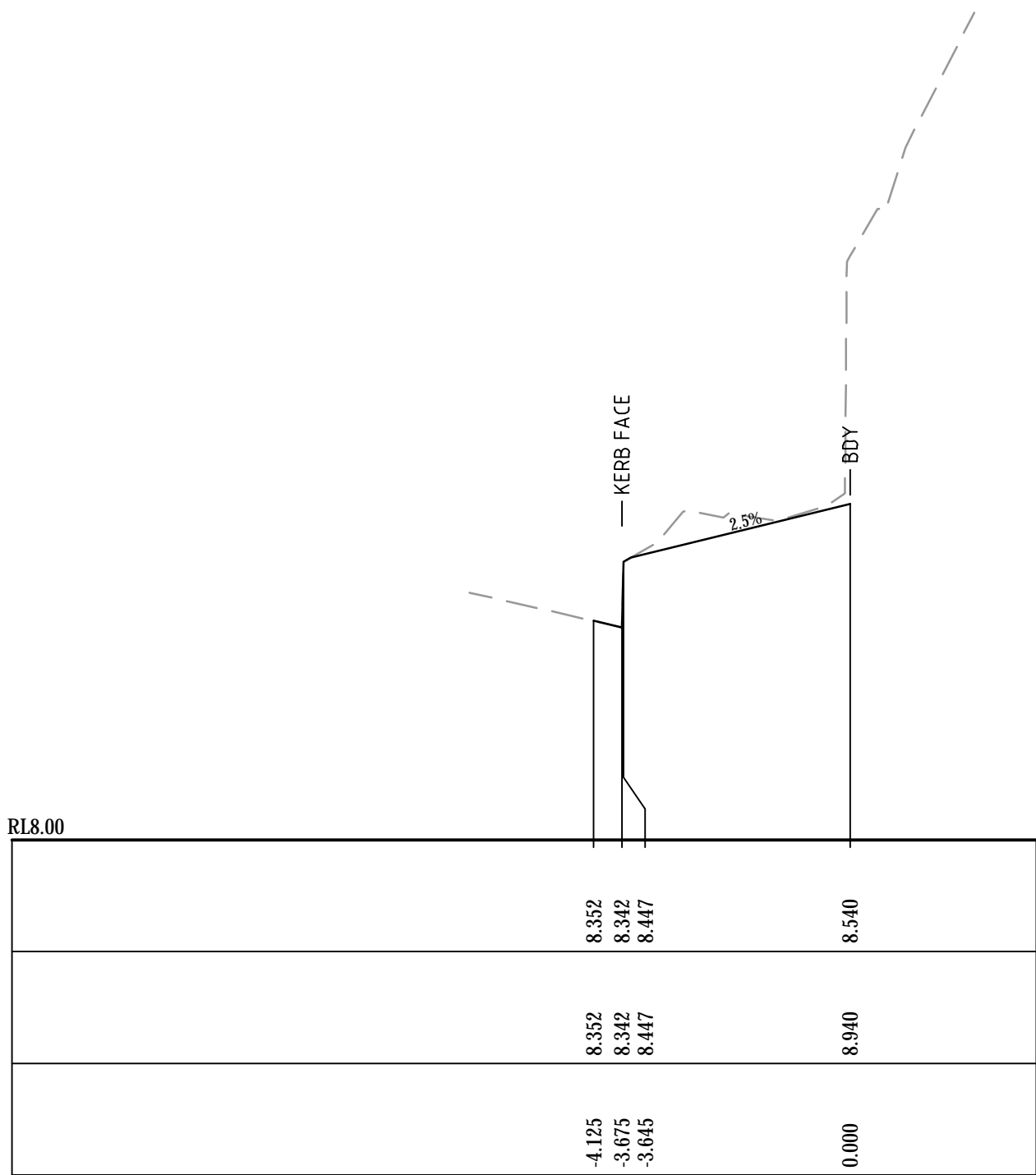
CH 170



CH 120



CH 140



CH 160

Bar Scales

B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19
Issue	Description	Date

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Status	ISSUE FOR DA	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	AS SHOWN	16-437-DAC472.dwg	
		Drawn	AC
		Designed	AC
Height Datum	AHD	Checked	GJ
Grid	MGA	Approved	

Client

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Civil Engineers and Project Managers

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Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Project

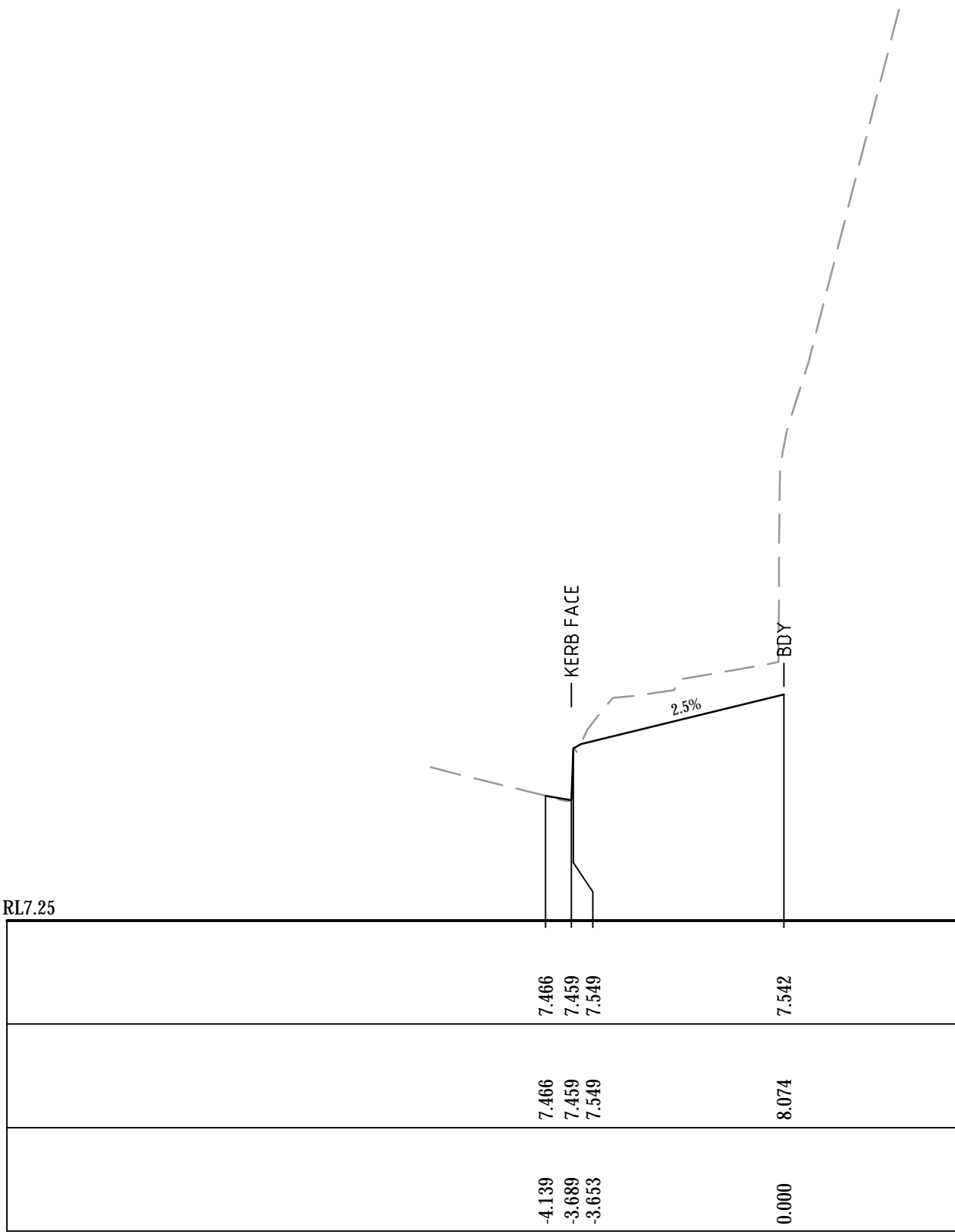
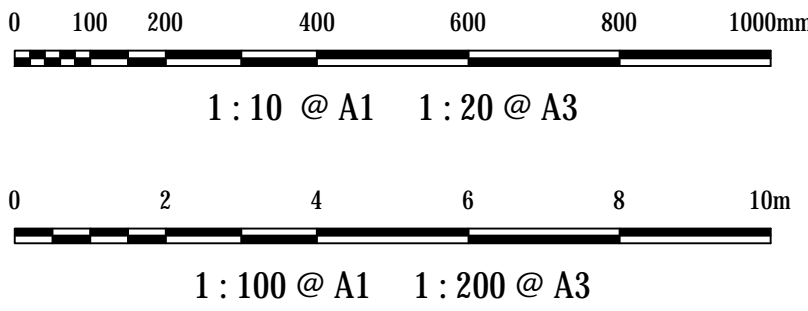
**PHASE 4  
CARTER STREET,  
LIDCOMBE**

Title

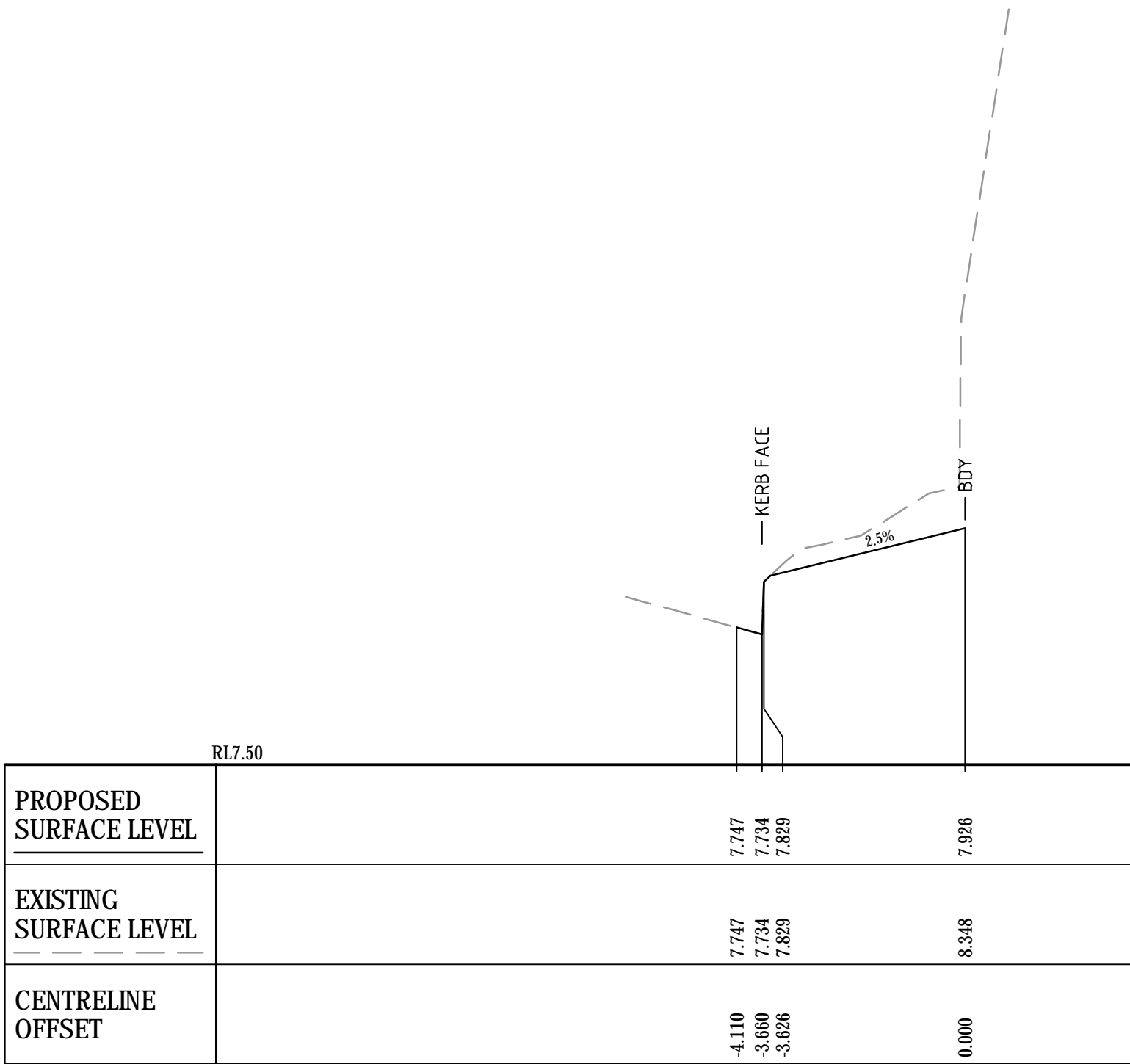
**PUBLIC DOMAIN  
ALIGNMENT  
CROSS SECTION  
SHEET 3**

Drawing No.	Project No.	Issue
16-437-DAC472	16-437	A

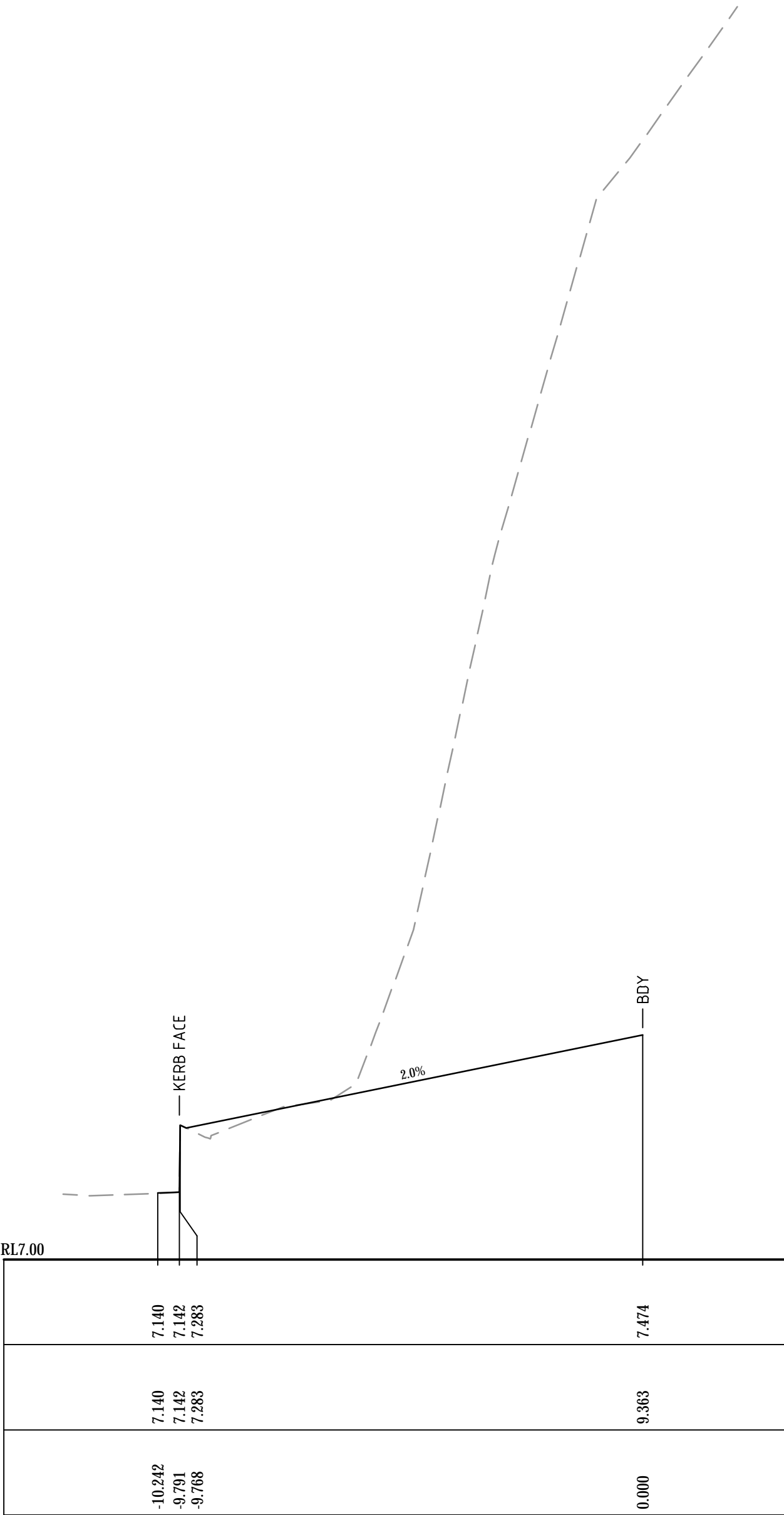




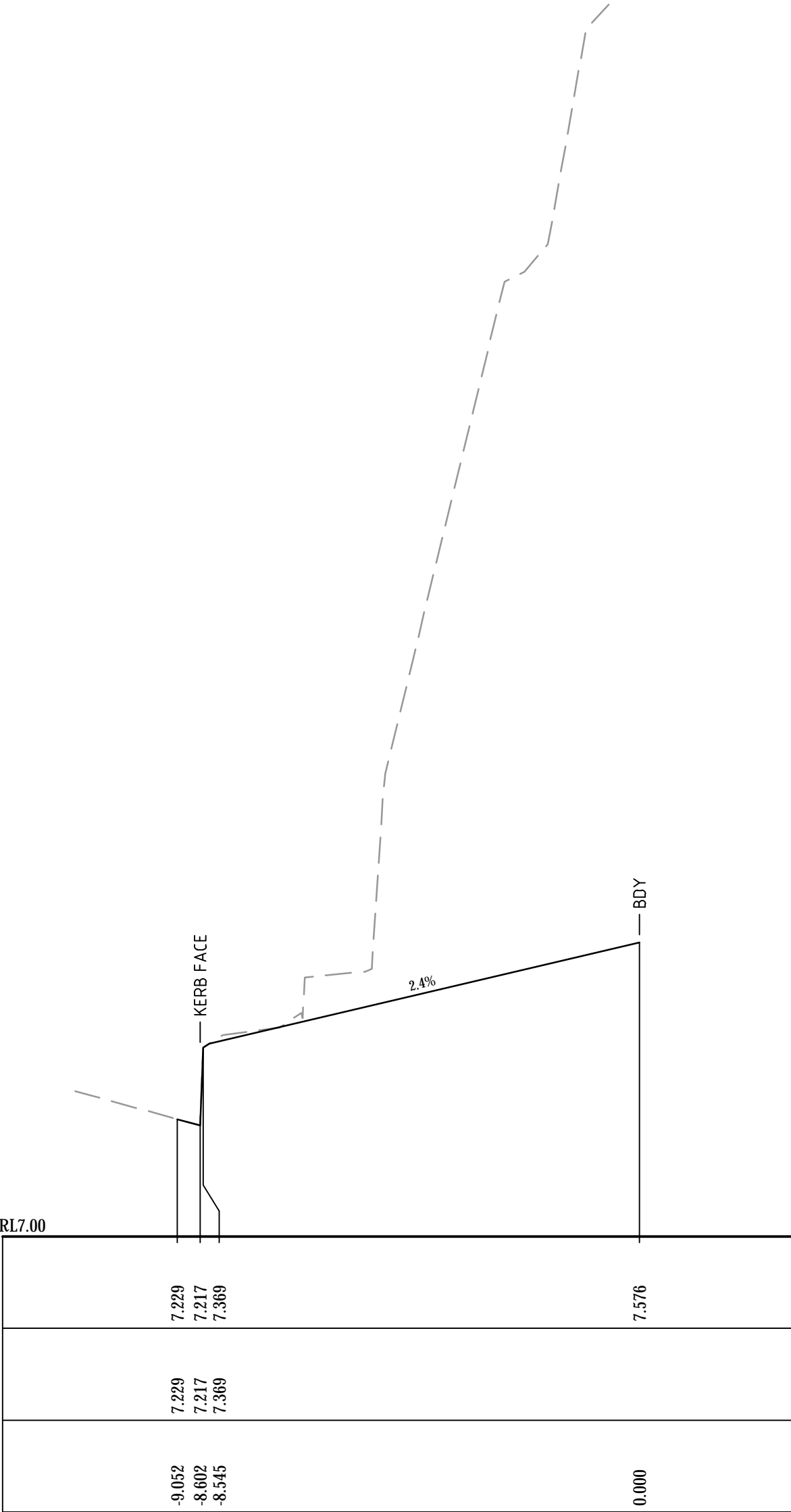
CH 190



CH 180



CH 200



CH 210

Bar Scales

B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19
Issue	Description	Date

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Status	ISSUE FOR DA	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	AS SHOWN	16-437-DAC473.dwg	
		Drawn	AC
		Designed	AC
Height Datum	AHD	Checked	GJ
Grid	MGA	Approved	

Client



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

Civil Engineers and Project Managers



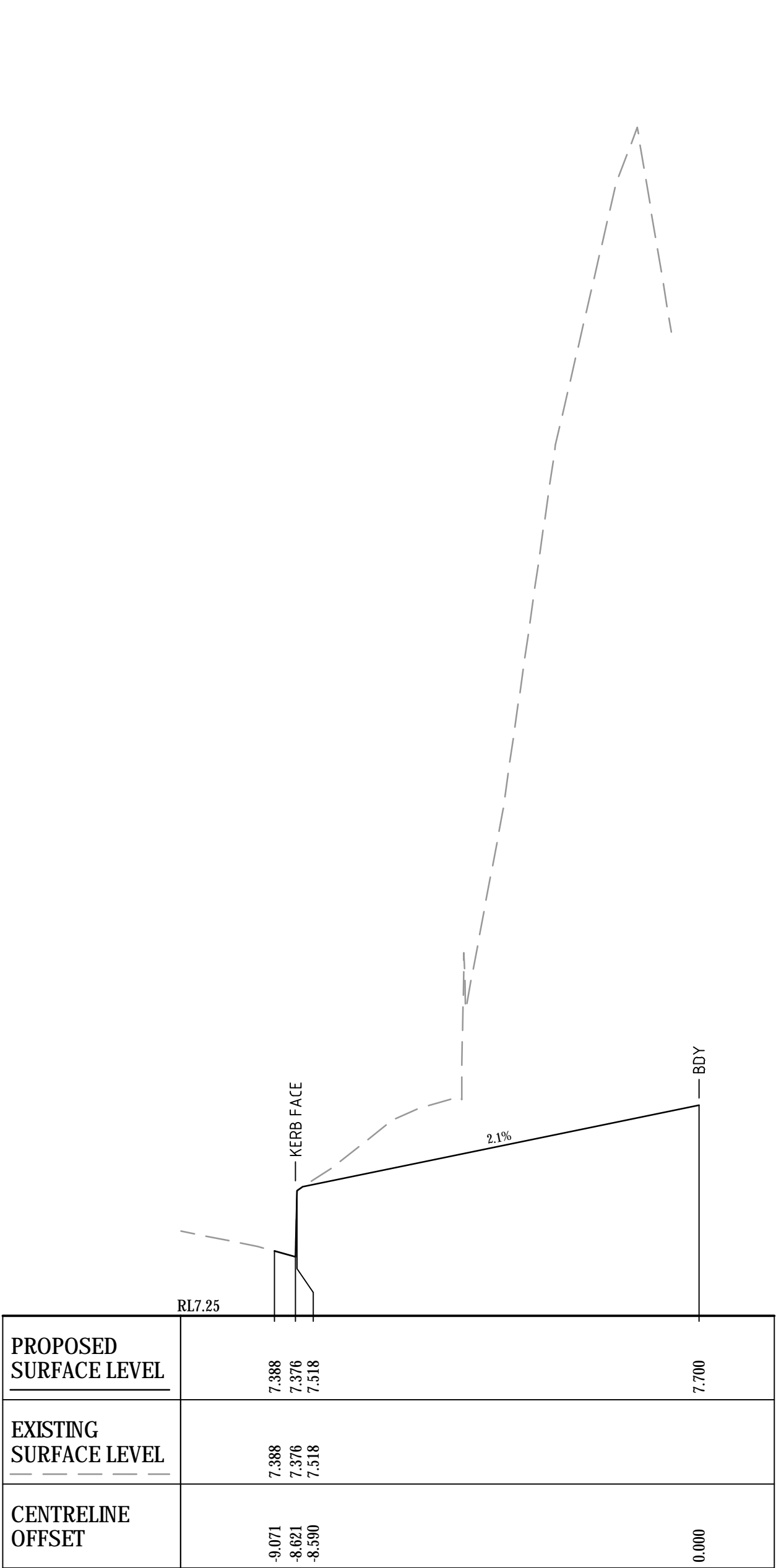
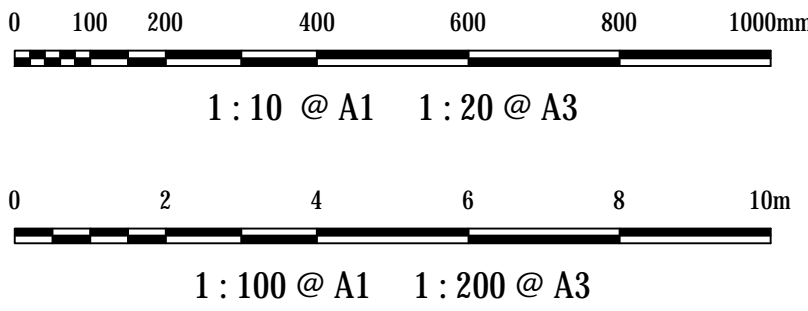
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North Sydney NSW 2060  
ABN 96 130 882 405  
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Fax: 02 9923 1055  
www.atl.net.au  
info@atl.net.au

Project	PHASE 4 CARTER STREET, LIDCOMBE
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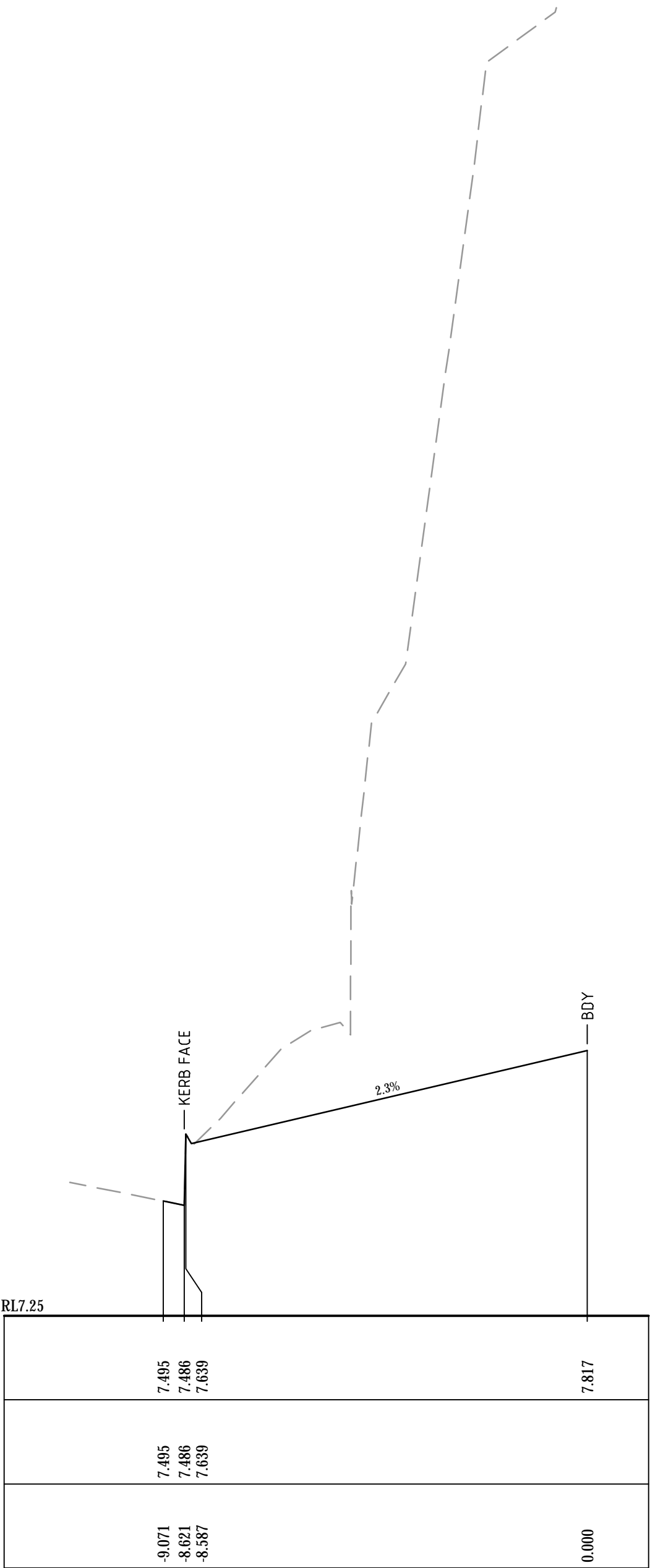
Title	PUBLIC DOMAIN ALIGNMENT CROSS SECTION SHEET 4
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Drawing No. 16-437-DAC473	Project No. 16-437	Issue A
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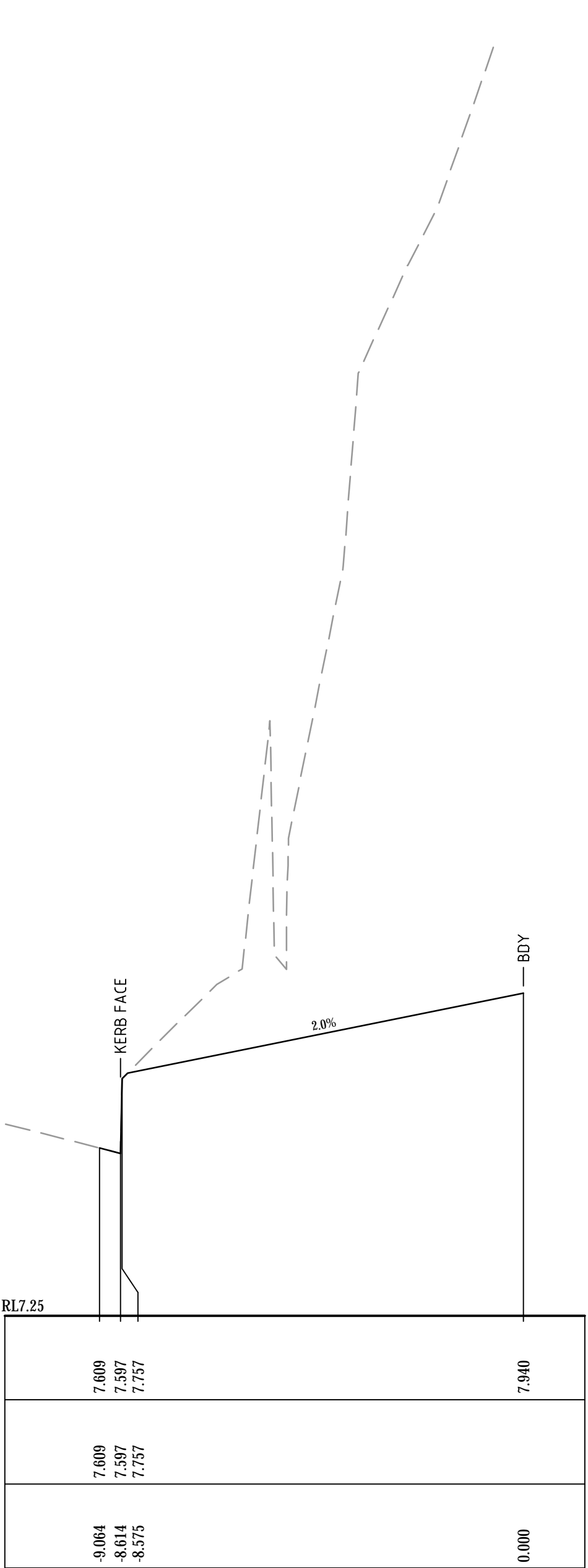




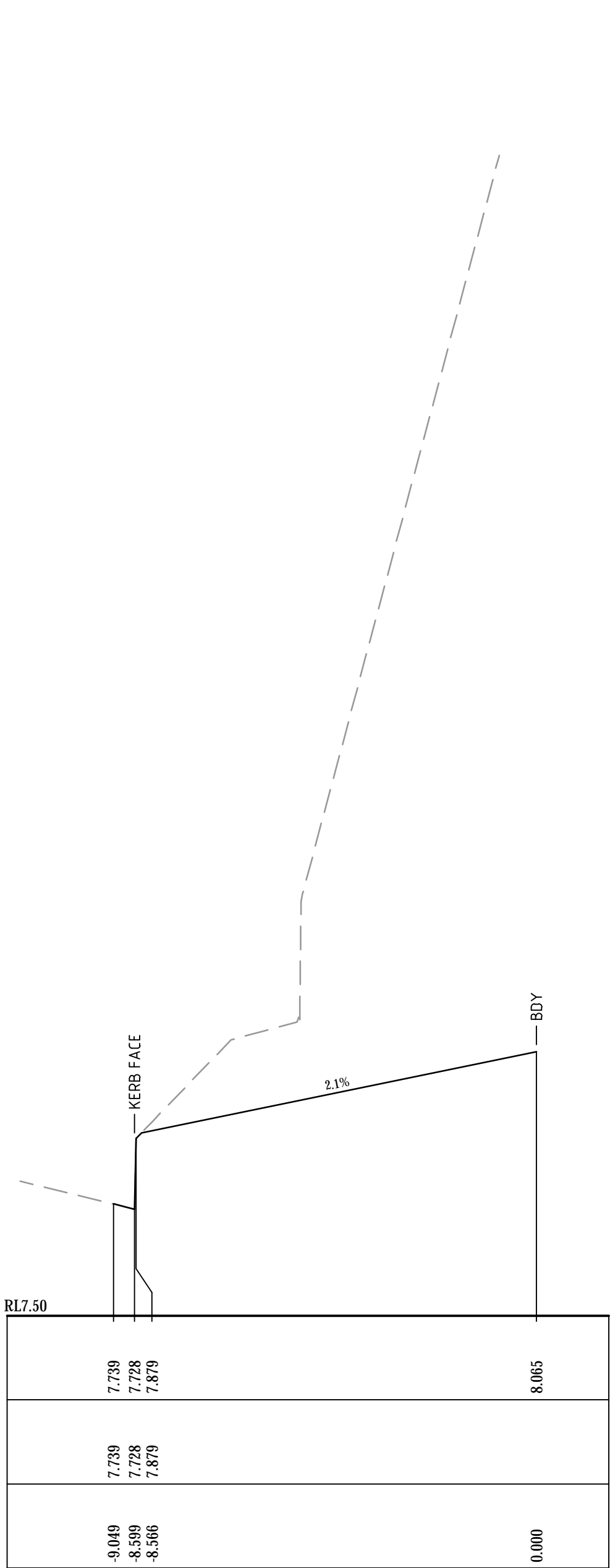
CH 220



CH 230



CH 240



CH 250

Bar Scales

B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19
Issue	Description	Date

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Status	ISSUE FOR DA	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	AS SHOWN	16-437-DAC474.dwg	
		Drawn	AC
		Designed	AC
Height Datum	AHD	Checked	GJ
Grid	MGA	Approved	

Client



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info@atl.net.au

Project

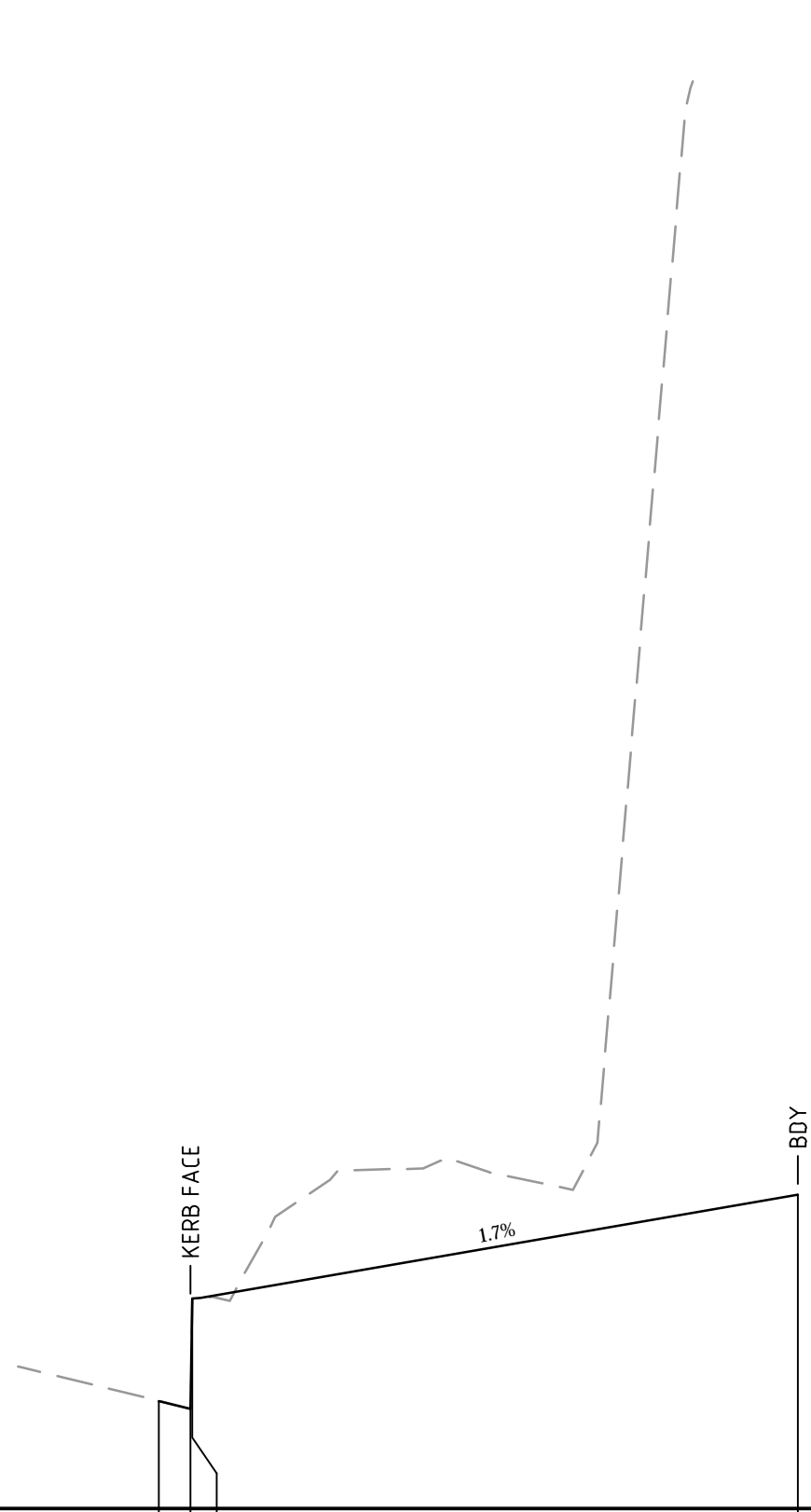
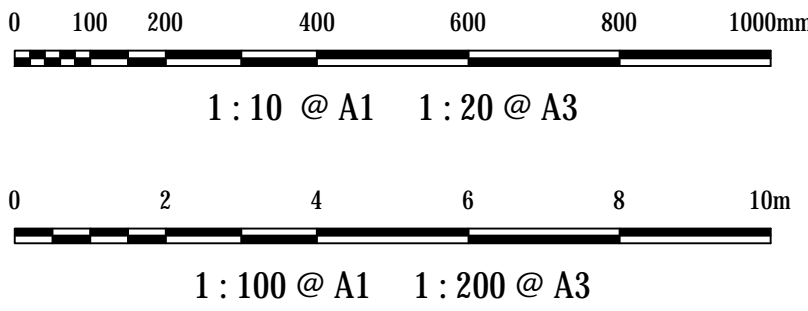
**PHASE 4  
CARTER STREET,  
LIDCOMBE**

Title

**PUBLIC DOMAIN  
ALIGNMENT  
CROSS SECTION  
SHEET 5**

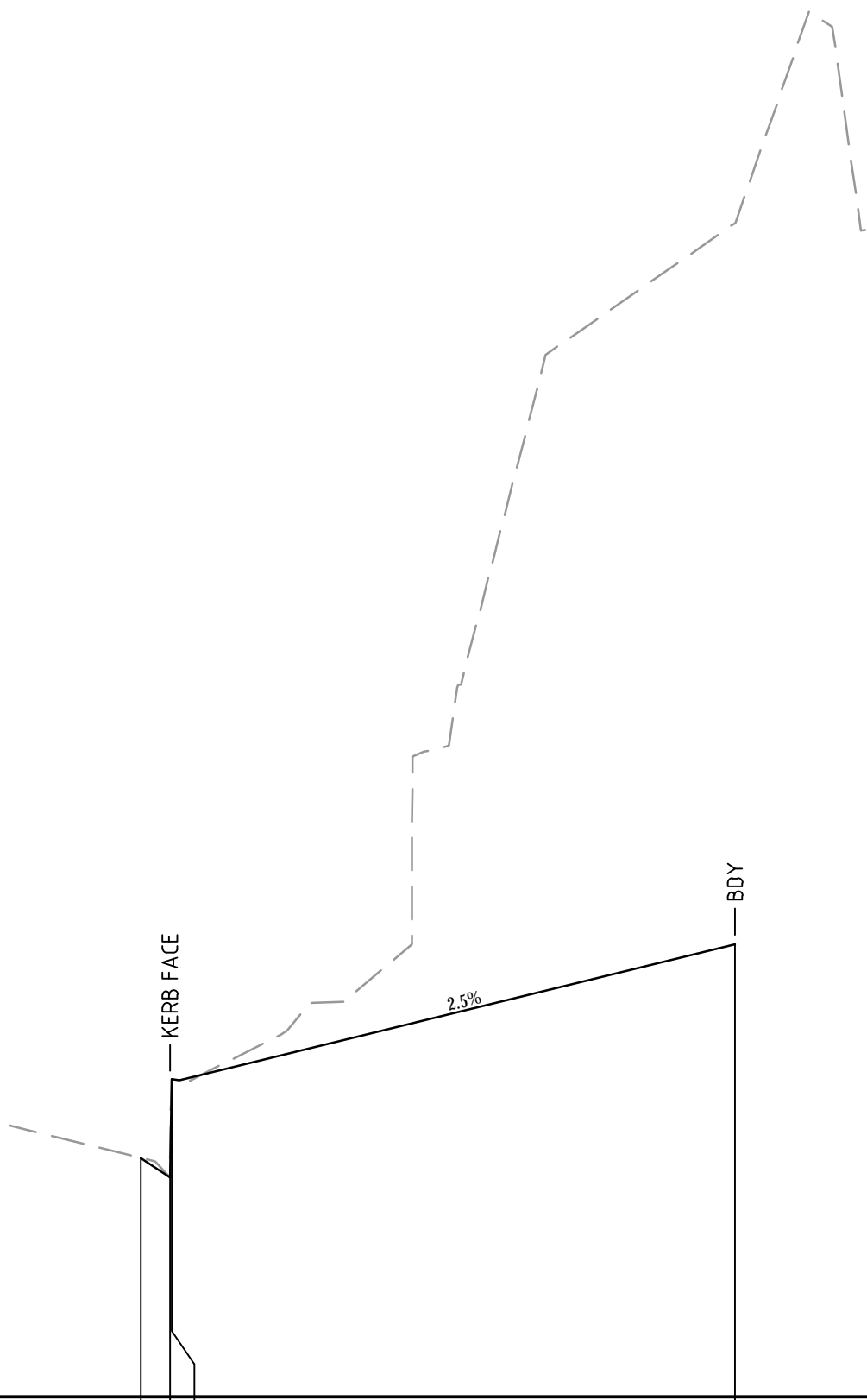
Drawing No.	Project No.	Issue
16-437-DAC474	16-437	A





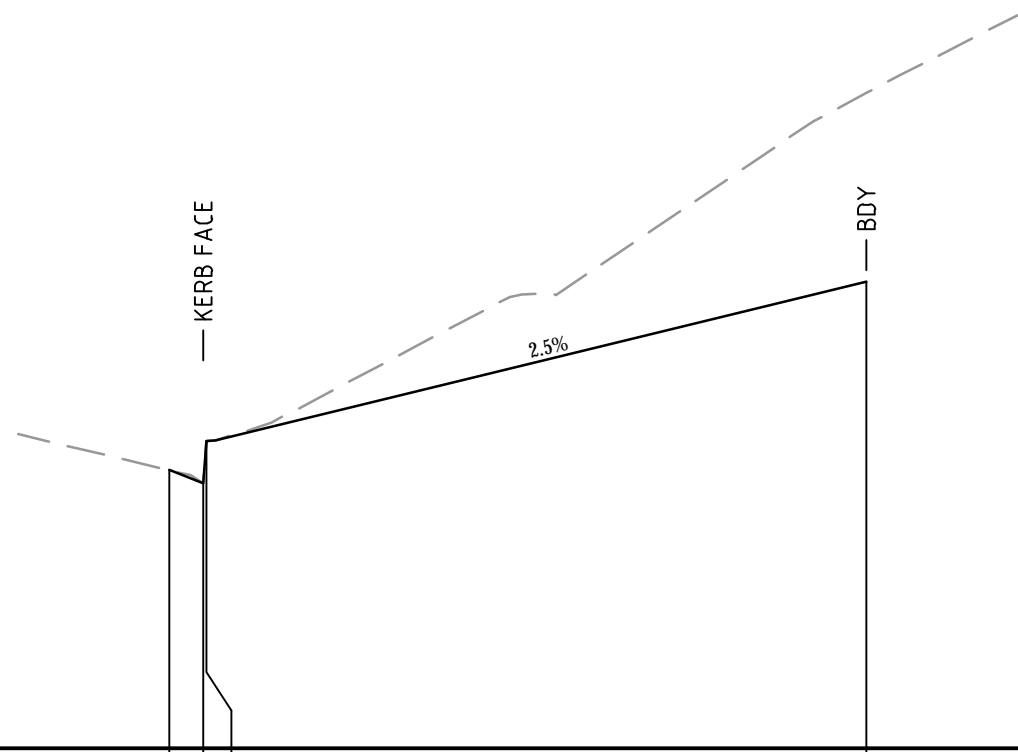
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EXISTING SURFACE LEVEL	7.902 7.881 8.048	
CENTRELINE OFFSET	-0.068 -0.018 -0.331	0.000

CH 260



PROPOSED SURFACE LEVEL	8.116 8.086 8.226	8.443
EXISTING SURFACE LEVEL	8.116 8.086 8.226	
CENTRELINE OFFSET	-0.113 -0.063 -0.033	0.000

CH 270



PROPOSED SURFACE LEVEL	8.388 8.350 8.406	8.618
EXISTING SURFACE LEVEL	8.388 8.350 8.406	
CENTRELINE OFFSET	-0.220 -0.170 -0.125	0.000

CH 280

Bar Scales

B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19
Issue	Description	Date

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Status	ISSUE FOR DA	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	AS SHOWN	16-437-DAC475.dwg	
	Drawn	AC	
	Designed	AC	
Height Datum	AHD	Checked	GJ
Grid	MGA	Approved	

Client

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Project	PHASE 4 CARTER STREET, LIDCOMBE
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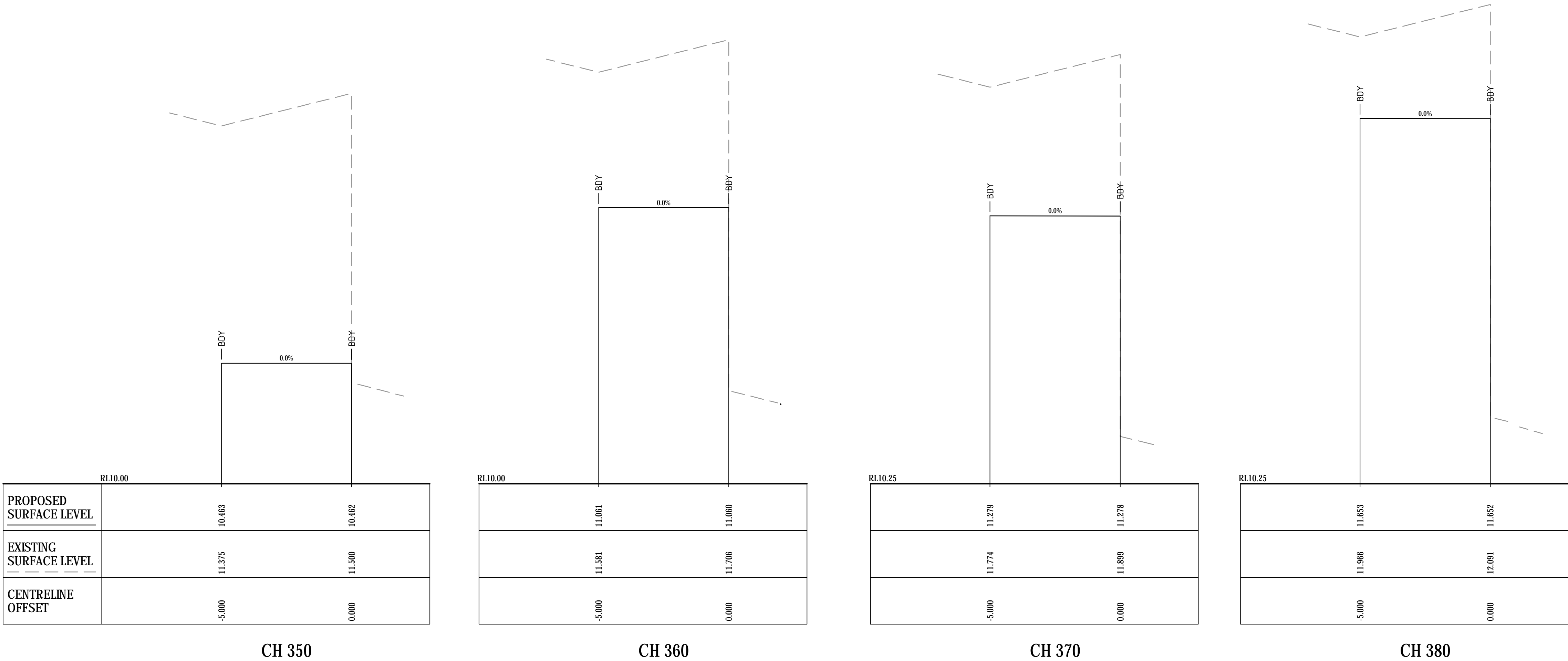
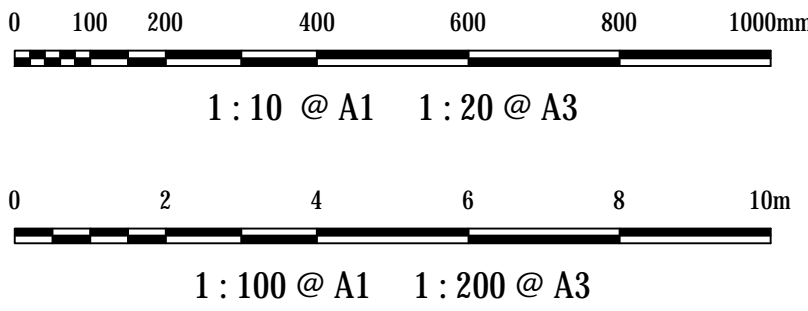
Title	PUBLIC DOMAIN ALIGNMENT CROSS SECTION SHEET 6
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Drawing No.	Project No.	Issue
16-437-DAC475	16-437	A









Bar Scales

B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19
Issue	Description	Date

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Status	ISSUE FOR DA	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	AS SHOWN	16-437-DAC477.dwg	
		Drawn	AC
		Designed	AC
Height Datum	AHD	Checked	GJ
Grid	MGA	Approved	



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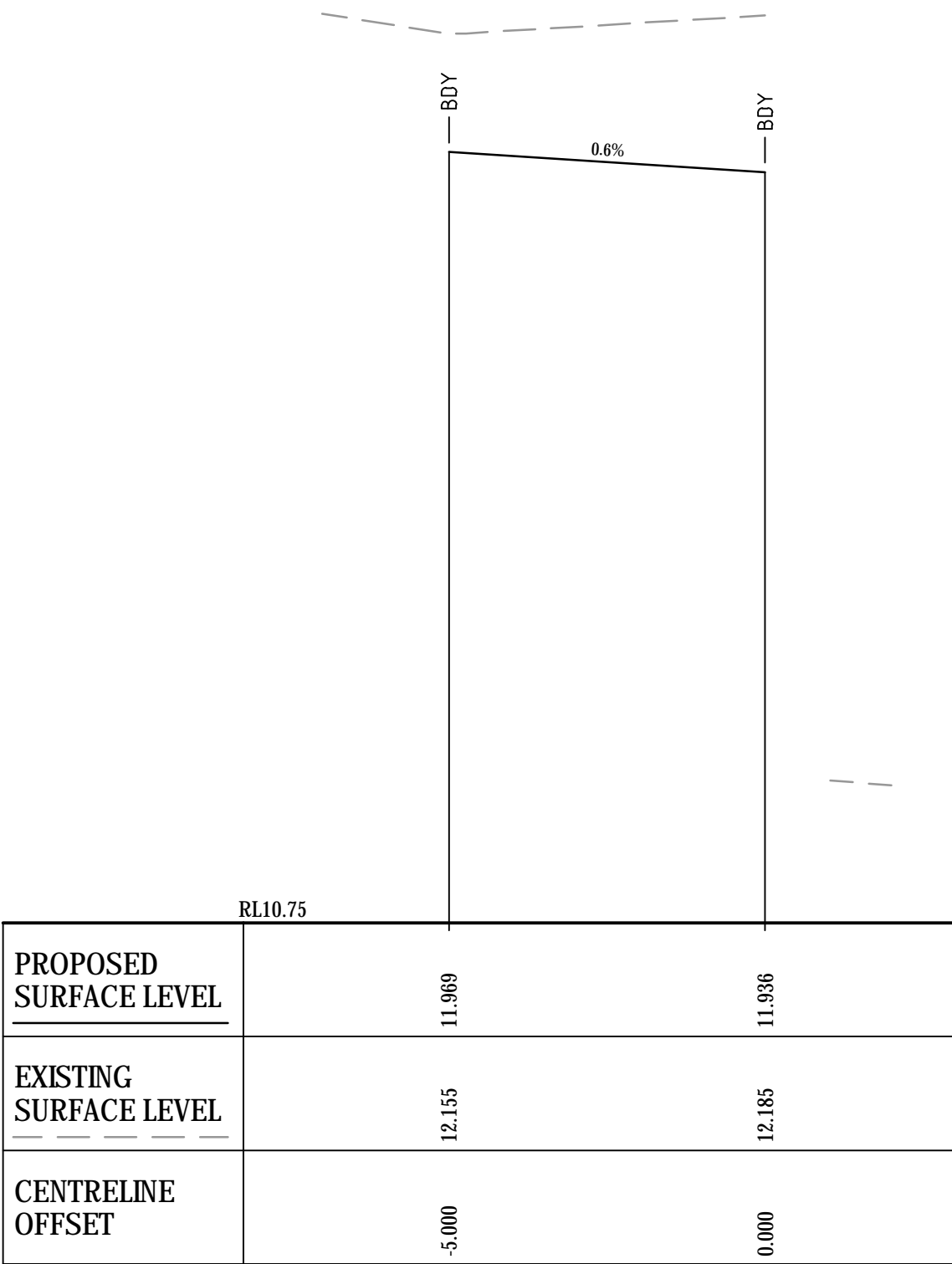
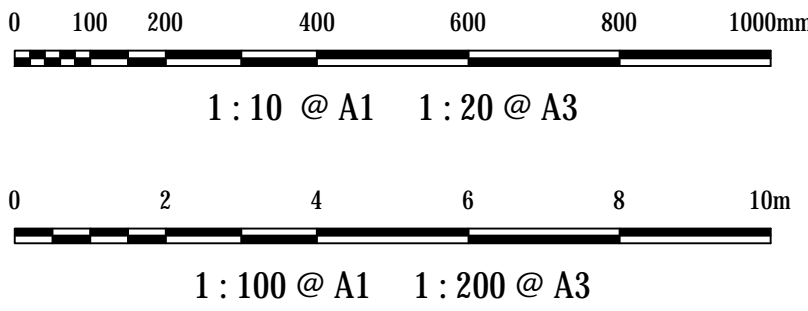
info@atl.net.au

Project	PHASE 4 CARTER STREET, LIDCOMBE
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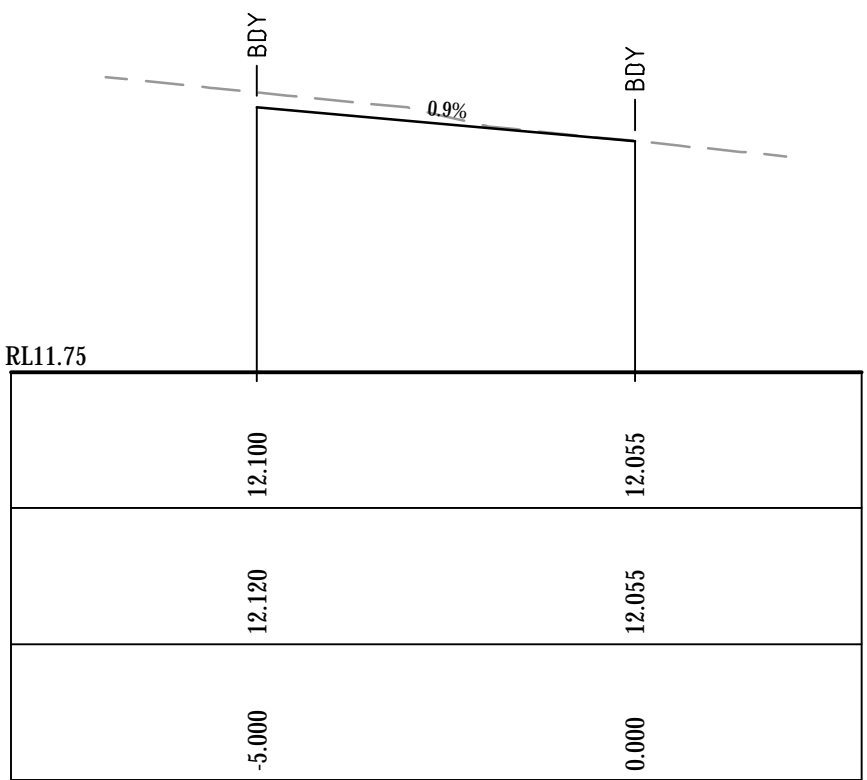
Title	PUBLIC DOMAIN ALIGNMENT CROSS SECTION SHEET 8
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Drawing No.	Project No.	Issue
16-437-DAC477	16-437	A





CH 390



CH 394.171

Bar Scales

B	ISSUED FOR APPROVAL	03-10-19
A	ISSUED FOR APPROVAL	25-09-19
Issue	Description	Date

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Status	ISSUE FOR DA	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	AS SHOWN	16-437-DAC478.dwg	
		Drawn	AC
		Designed	AC
Height Datum	AHD	Checked	GJ
Grid	MGA	Approved	



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Project	PHASE 4 CARTER STREET, LIDCOMBE
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Title	PUBLIC DOMAIN ALIGNMENT CROSS SECTION SHEET 9
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Drawing No.	Project No.	Issue
16-437-DAC478	16-437	A