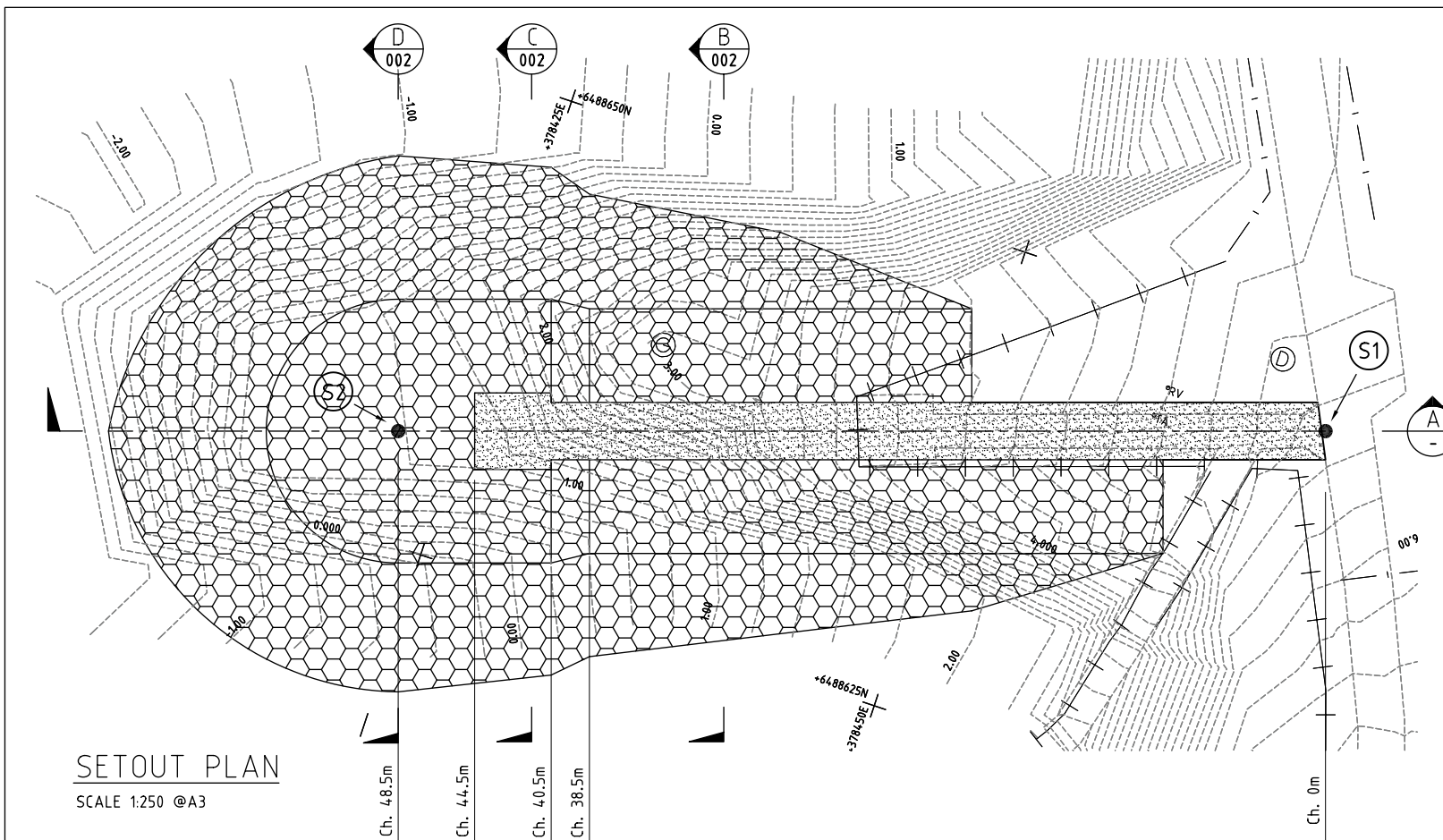




SETOUT PLAN

SCALE 1:250 @ A3

SECTION

SCALE 1:250 @ A3



GENERAL NOTES

1. UNLESS SHOWN OTHERWISE ALL DIMENSIONS ARE IN METRES.
2. HORIZONTAL DATUM AMG84. VERTICAL DATUM IS A.H.D.
3. ARMOUR STONE SIZE & SHAPE SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY. DO NOT SCALE STONE DIMENSIONS.
4. SET OUT CO-ORDINATES & DIMENSIONS ARE TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION. FIGURED DIMENSIONS SHALL BE USED IN PREFERENCE TO SCALE.

LEGEND

- 2.00 EXISTING DEPTH AND BATHYMETRY CONTOUR (SUPPLIED BY CITY OF JOONDALUP)
- EXISTING FENCE
- GROYNE CENTERLINE
- S1 CO-ORDINATED SETOUT POINT
- PROPOSED ADDITIONAL ARMOUR
- PROPOSED CORE STONE
- PROPOSED CONCRETE PATH
- G D EXISTING DRAINAGE STRUCTURE

CO-ORDINATES OF SURVEY SETOUT POINTS

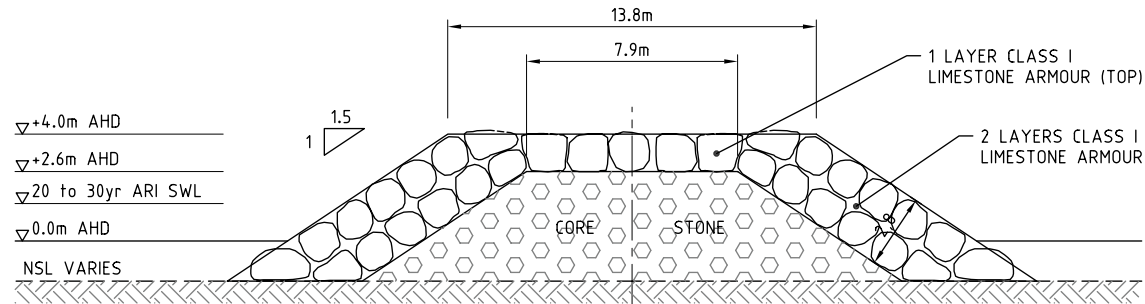
PT.	Xm	Ym
S1	378467.861	6488646.080
S2	378421.840	6488630.772

D37801001.dwg

				CLIENT		CITY OF JOONDALUP		COPYRIGHT		M P ROGERS & ASSOCIATES		PROJECT		BURNS BEACH GROYNE RECONSTRUCTION	
				DESIGNED		CHECKED		APPROVED		COASTAL & PORT ENGINEERS		TITLE		SETOUT PLAN & SECTION	
				DTKP		DTKP						OPTION E			
				DRAWN		CHECKED						SCALE		DRAWING NUMBER	
				PK		DTKP						AT A3		D378 - 01 - 001	
				REV		DATE		APP'D						REV	
				A		25.02.02		DTKP		ISSUED FOR CLIENT REVIEW				A	

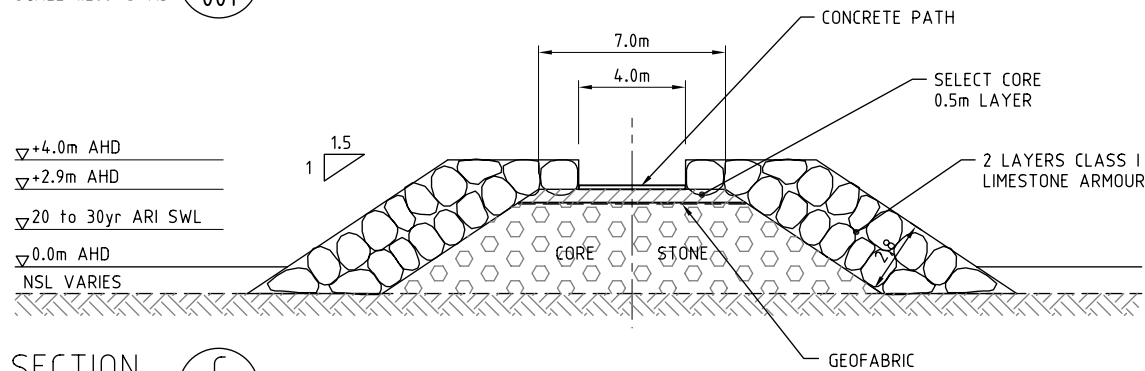
The concepts and information contained in this document are the Copyright of M P Rogers & Associates. Use or copying of the document in whole or part without the written permission of M P Rogers & Associates constitutes an infringement of copyright.

Unit 2, 133 Main Street,
Osborne Park, WA 6017.
Western Australia.
Phone : + 618 9444 4045
Fax : + 618 9444 4341
Email : rogers@tpgi.com.au



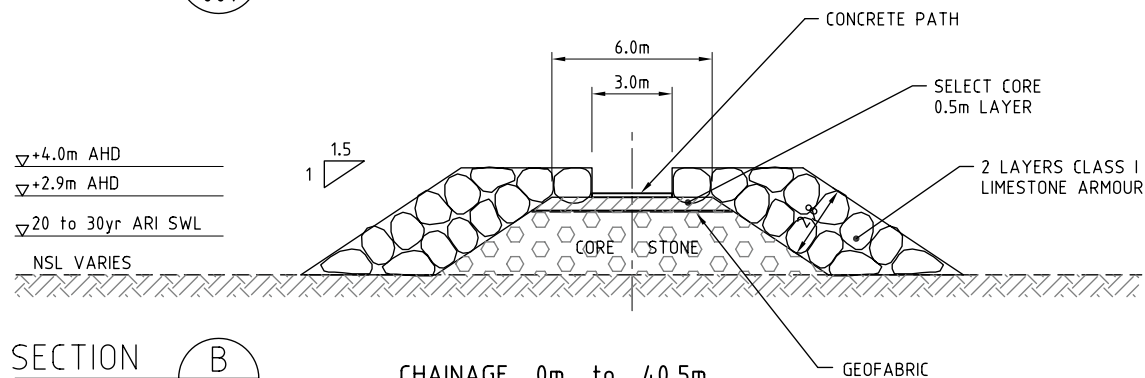
SECTION **D**
SCALE 1:200 @ A3 001

CHAINAGE 44.5m to END



SECTION **C**
SCALE 1:200 @ A3 001

CHAINAGE 40.5m to 44.5m



SECTION **B**
SCALE 1:200 @ A3 001

CHAINAGE 0m to 40.5m

MATERIALS LEGEND

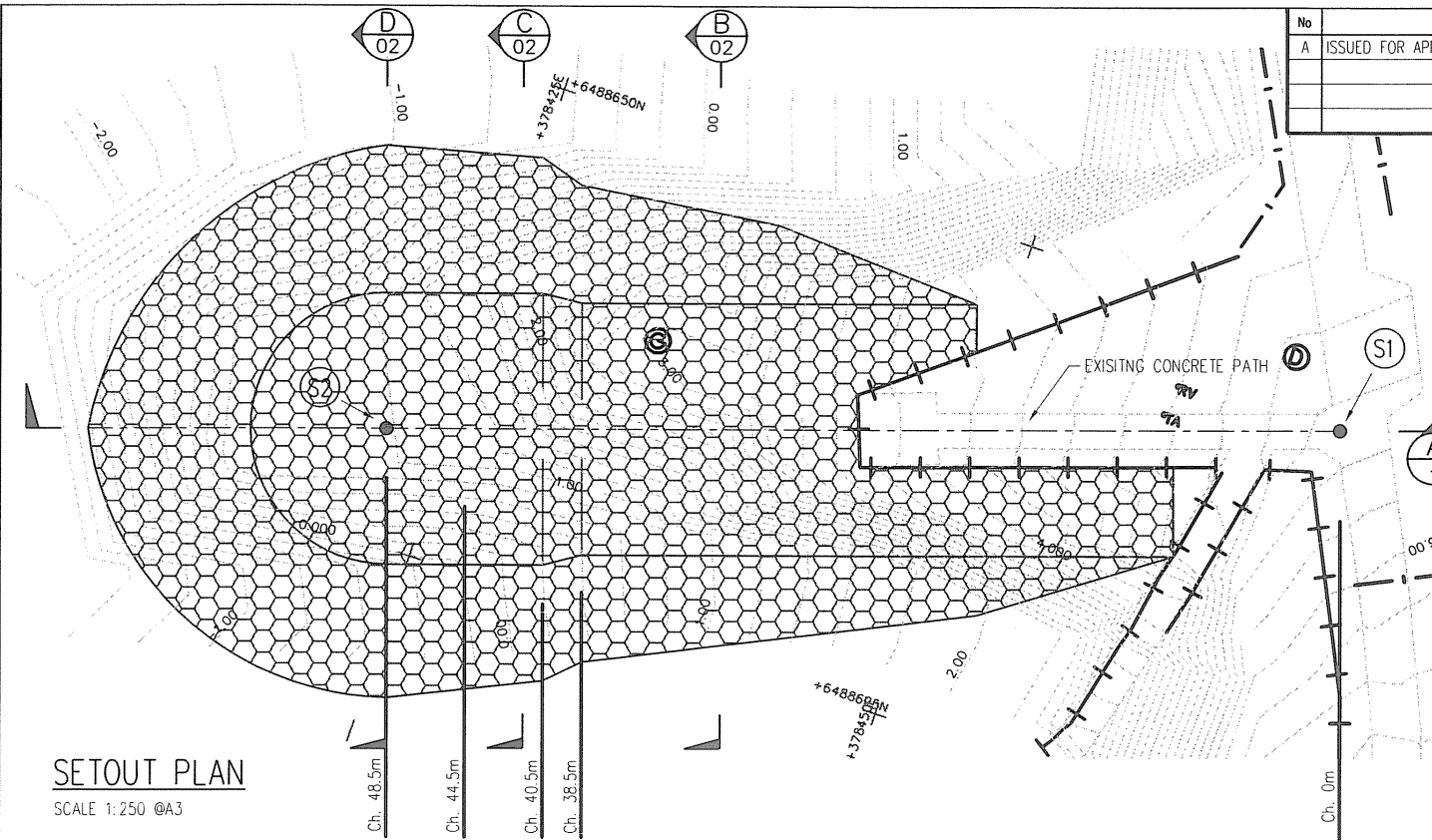
- ARMOUR CLASS I - 4.5t to 9.0t LIMESTONE (50% > 5.5t)
- SELECT CORE - WELL GRADED RUN OF QUARRY UP TO 500mm (50% > 200-300mm & 25% < 100mm) % FINES < 10mm NO GREATER THAN 10% BY VOLUME.
- CORE STONE - UP TO 2.0t LIMESTONE (50% > 0.5t) % FINES UP TO 150mm NO GREATER THAN 20% BY VOLUME.
- SSDD - $\geq 2.0 \text{ t/m}^3$

NOTES

- FOR GENERAL NOTES AND SETOUT DETAILS REFER TO DRAWING No. D378-01-001.

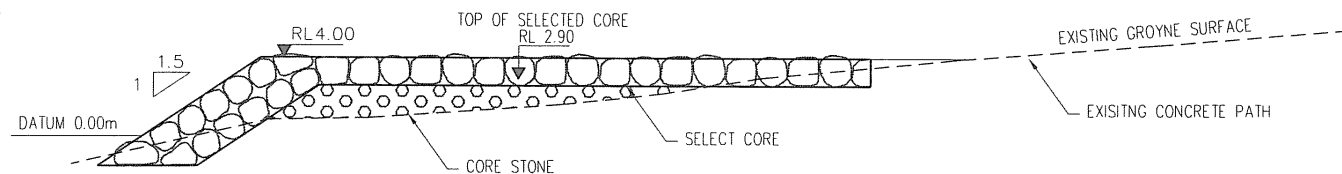
D37801002.dwg

				CLIENT CITY OF JOONDALUP			COPYRIGHT M P ROGERS & ASSOCIATES COASTAL & PORT ENGINEERS		PROJECT BURNS BEACH GROYPE RECONSTRUCTION		
				DESIGNED DTKP CHECKED DTKP APPROVED			The concepts and information contained in this document are the Copyright of M P Rogers & Associates. Use or copying of the document in whole or part without the written permission of M P Rogers & Associates constitutes an infringement of copyright.		TITLE TYPICAL SECTIONS OPTION E		
A 25.02.02 DTKP ISSUED FOR CLIENT REVIEW				DRAWN PK CHECKED DTKP			Unit 2, 133 Main Street, Osborne Park, WA 6017. Western Australia. Phone : + 618 9444 4045 Fax : + 618 9444 4341 Email : rogers@tpgl.com.au		SCALE AT A3 1:200		
REV	DATE	APP'D	DESCRIPTION						DRAWING NUMBER D378 - 01 - 002		
									REV A		



SETOUT PLAN

SCALE 1:250 @A3



SECTION A-A

SCALE 1:250

No	REVISION	BY	DATE	AUTH	CDU
A	ISSUED FOR APPROVAL	C.L.	22/2/09		

GENERAL NOTES

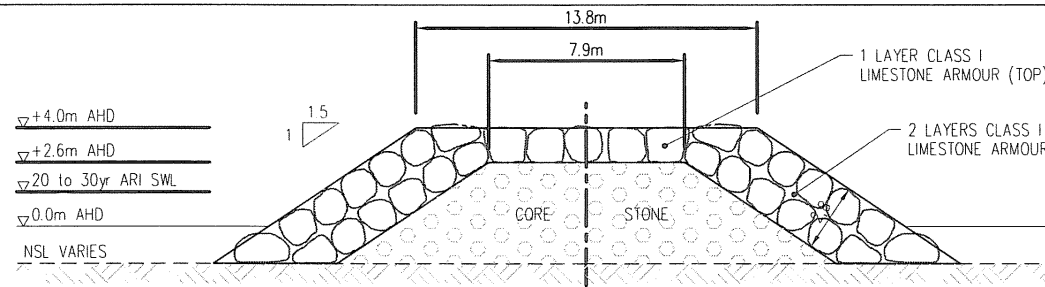
1. THIS DRAWING IS BASED ON M P ROGERS & ASSOCIATES DESIGN DRAWING NUMBER D378-01-001 REV A.
2. UNLESS SHOWN OTHERWISE ALL DIMENSIONS ARE IN METRES.
3. HORIZONTAL DATUM AMG84. VERTICAL DATUM IS A.H.D.
4. AMOUR STONE SIZE & SHAPE SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY. DO NOT SCALE STONE DIMENSIONS.
5. SETOUT CO-ORDINATES & DIMENSIONS ARE TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION. FIGURED DIMENSIONS SHALL BE USED IN PREFERENCE TO SCALE.
6. FOR SECTIONS B,C & D REFER TO DRG E1741-02.

LEGEND

- EXISTING DEPTH AND BATHYMETRY CONTOUR (SUPPLIED BY CITY OF JOONDALUP)
- EXISTING FENCE
- GROYNE CENTERLINE
- CO-ORDINATED SETOUT POINT
- PROPOSED ADDITIONAL ARMOUR
- PROPOSED CORE STONE
- EXISTING DRAINAGE STRUCTURE

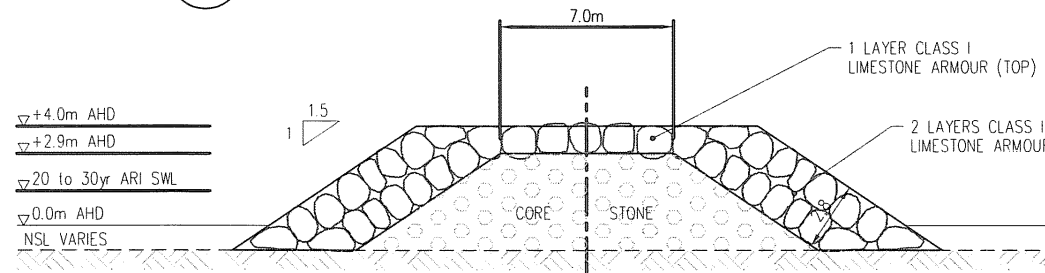
CO-ORDINATES OF SURVEY SETOUT POINTS		
PT.	Xm	Ym
S1	378467.861	6488646.080
S2	378421.840	6488630.772

DATUM HOR AWG84 VERT A.H.D		GRID LOCAL	DESIGNED C.D. 02/09	APPROVED J.PRITCHARD 23/02/09 MANAGER INFRASTRUCTURE DESIGN SERVICES	BURNS BEACH GROUYNE PROPOSED RECONSTRUCTION SETOUT PLAN AND SECTIONS	CITY OF JOONDALUP INFRASTRUCURE MANAGEMENT SERVICES				
HORIZONTAL 1:250		DRAWN C.L. 02/09								
SCALE IN METRES										
SURVEY INFORMATION -----		CHECKED BY	CHECKED BY	APPROVED FOR CONSTRUCTION	LOCALITY	CIVIL DESIGN SERVICES				
		DESIGNER	ENGINEER							
DRAWING DIRECTORY: I:\CDS\CAROLINE LAPSEY\CAPITAL WORKS\BURNS BEACH GROUYNE CD ROM ARCHIVE No.		AUTHORISED K.WHITE 23/02/09 TEAM LEADER: CIVIL PROJECTS		M.GLOVER 23/02/09 DIRECTOR TECHNICAL SERVICES		FILE No. 000 - 000	DRAWING No E 1741-01-A	SHEET	REVISION	ORIGINAL DRG. SIZE A3



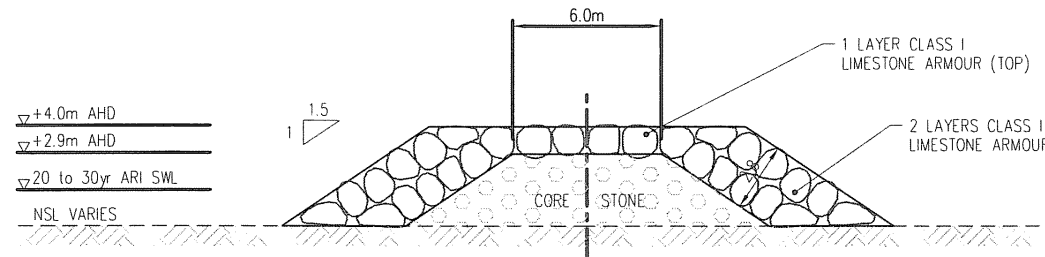
SECTION **D**
1: 200 01

CHAINAGE 44.5m to END



SECTION **C**
1: 200 01

CHAINAGE 40.5m to 44.5m



SECTION **B**
1: 200 01

CHAINAGE 24.5m to 40.5m

No	REVISION	BY	DATE	AUTH	CDU
A	ISSUED FOR APPROVAL	C.L.	22/2/09		

MATERIALS LEGEND

AMOUR CLASS 1	-	4.5t TO 9.0t LIMESTONE (50% > 5.5t)
SELECT CORE	-	WELL GRADED RUN OF QUARRY UP TO 500mm (50% > 200-300mm & 25% < 100mm) % FINES < 10mm NO GREATER THAN 10% BY VOLUME
CORE STONE	-	UP TO 2.0t LIMESTONE (50% > 0.5t) % FINES UO TO 150MM NO GRAETER THAN 20% BY VOLUME.
SSDD	-	>= 2.0 t/m ³

NOTES

- FOR GENERAL NOTES AND SETOUT DETAILS REFER TO DRAWING NO. E1741-01.

DATUM HOR AWG84 VERT A.H.D		GRID LOCAL		DESIGNED C.D. 02/09		APPROVED		BURNS BEACH GROYPNE PROPOSED RECONSTRUCTION TYPICAL SECTIONS		CITY OF JOONDALUP INFRASTRUCURE MANAGEMENT SERVICES					
HORIZONTAL 1:250 SCALE IN METRES		DRAWN C.L. 02/09		J.PRITCHARD 23/02/09 MANAGER INFRASTRUCTURE DESIGN SERVICES		CIVIL DESIGN SERVICES									
SURVEY INFORMATION		CHECKED BY DESIGNER K.WHITE 23/02/09 TEAM LEADER: CIVIL PROJECTS		CHECKED BY ENGINEER		APPROVED FOR CONSTRUCTION M.GLOVER 23/02/09 DIRECTOR TECHNICAL SERVICES				FILE No. 000 - 000		DRAWING No E 1741-02- A		SHEET A3	
DRAWING DIRECTORY: I:\CD\CAROLINE LAPSLEY\CAPITAL WORKS\BURNS BEACH GROYPNE CD ROM ARCHIVE No.															
						LOCALITY		BURNS BEACH							