A1 ORIGINAL

PARSONS BRINCKERHOFF

Level 3
51-55 Bolton Street
Newcastle NSW 2300
PO BOX 1162
Newcastle NSW 2300
Australia

PRELIMINARY ISSUE

NOT FOR CONSTRUCTION

OBERON STORMWATER IMPROVEMENT
SWALE DETAIL PLAN AND LONGITUDINAL SECTION
SHEET 2 OF 2

- CIV -

1003

2103481A

REV DATE DESCRIPTION DRAWN CHECK DESIGN VERIFY DOCUMENT of the information.

Plotted By: crowa Plot Date: 30/05/11 - 11:17 Cad File: \\Aunclf\PROJ\B\Borg\_Construct\2103481A\_Stormwater\_improvement\_Works\09\_CADD\Drawings\2103481A-CIV-1003.dwg

AC RW DB SH

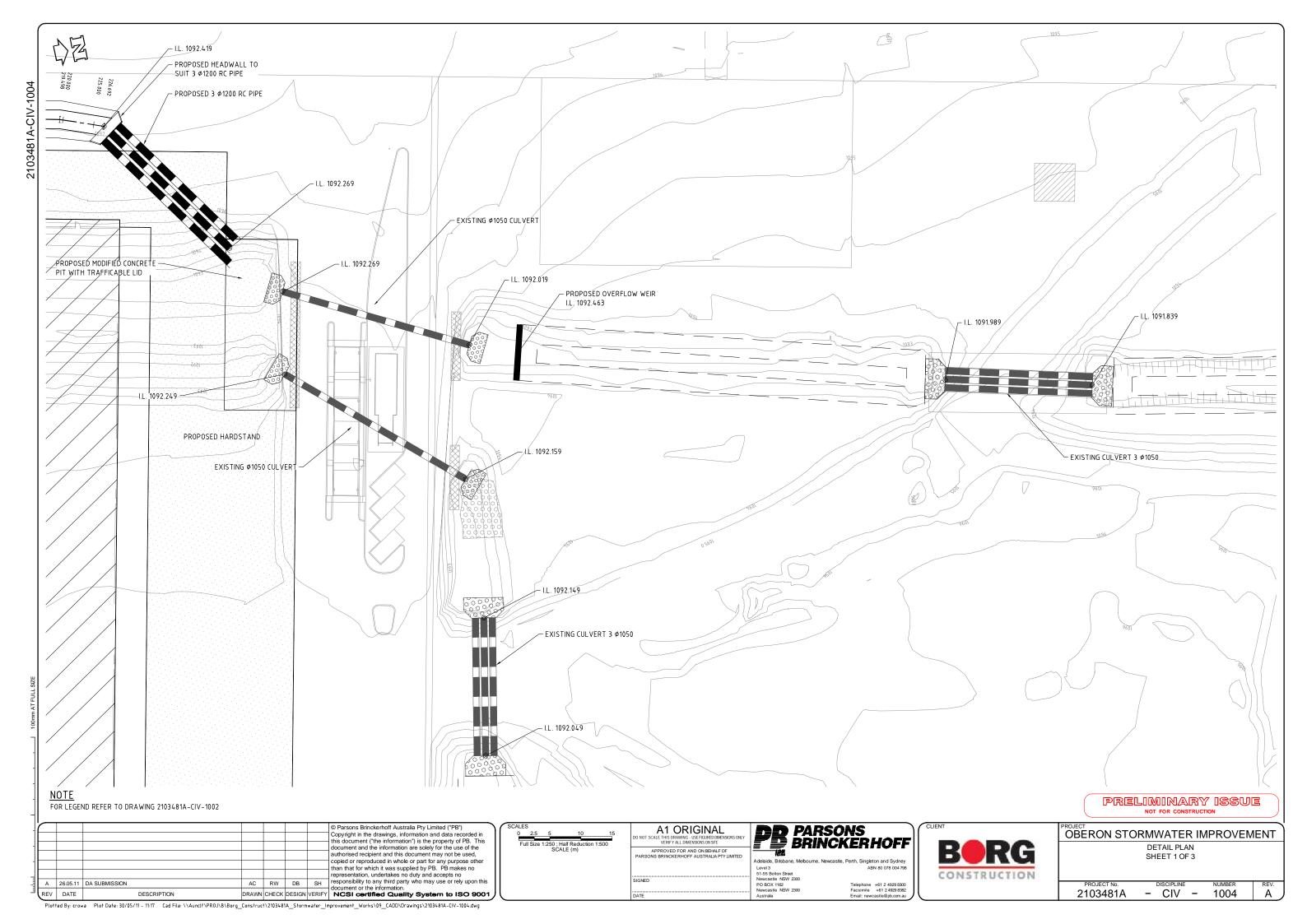
© Parsons Brinckerhoff Australia Ptv Limited ("PB")

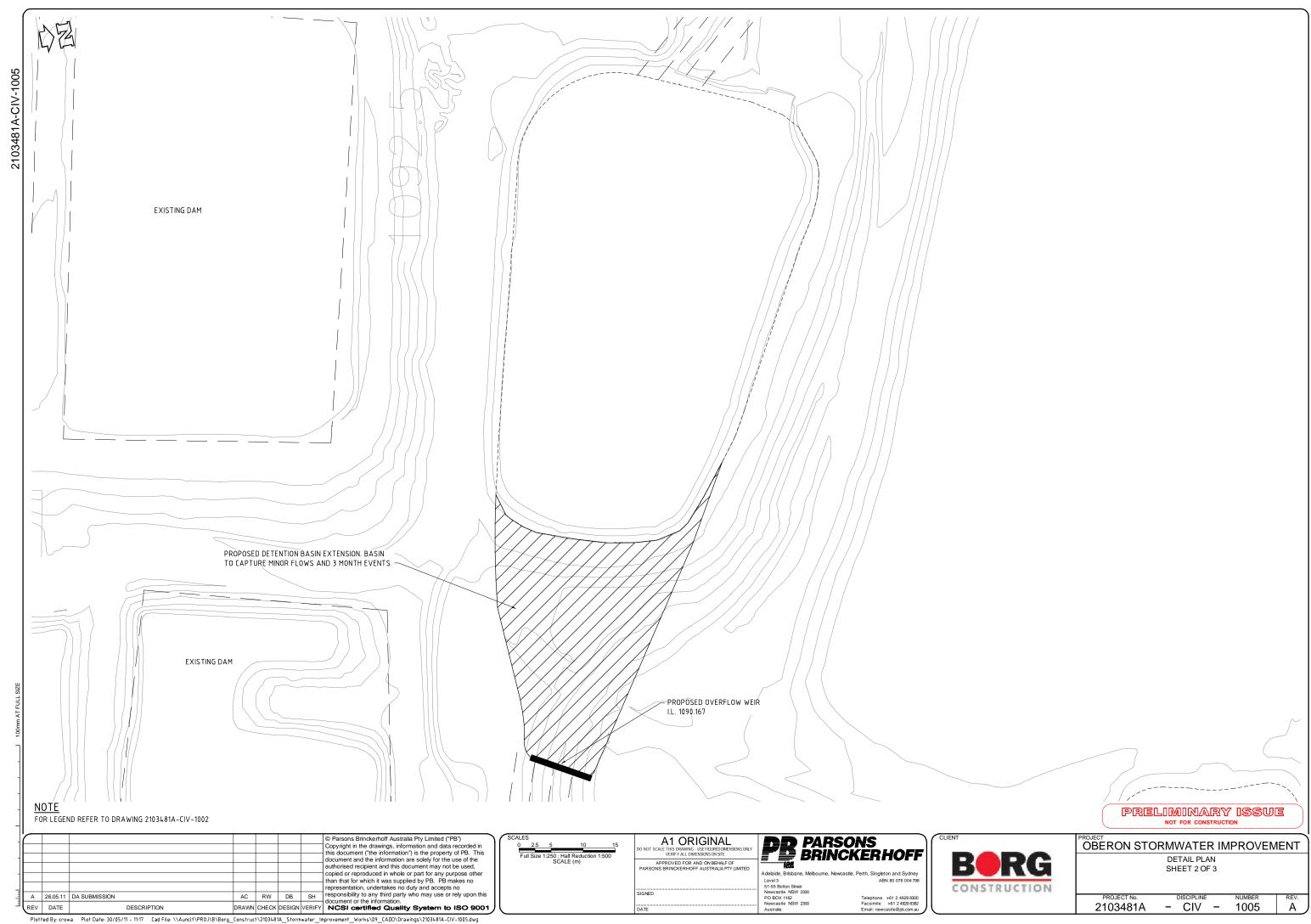
Copyright in the drawings, information and data recorded in this document ("the information") is the property of PB. This document and the information are solely for the use of the authorised recipient and this document may not be used,

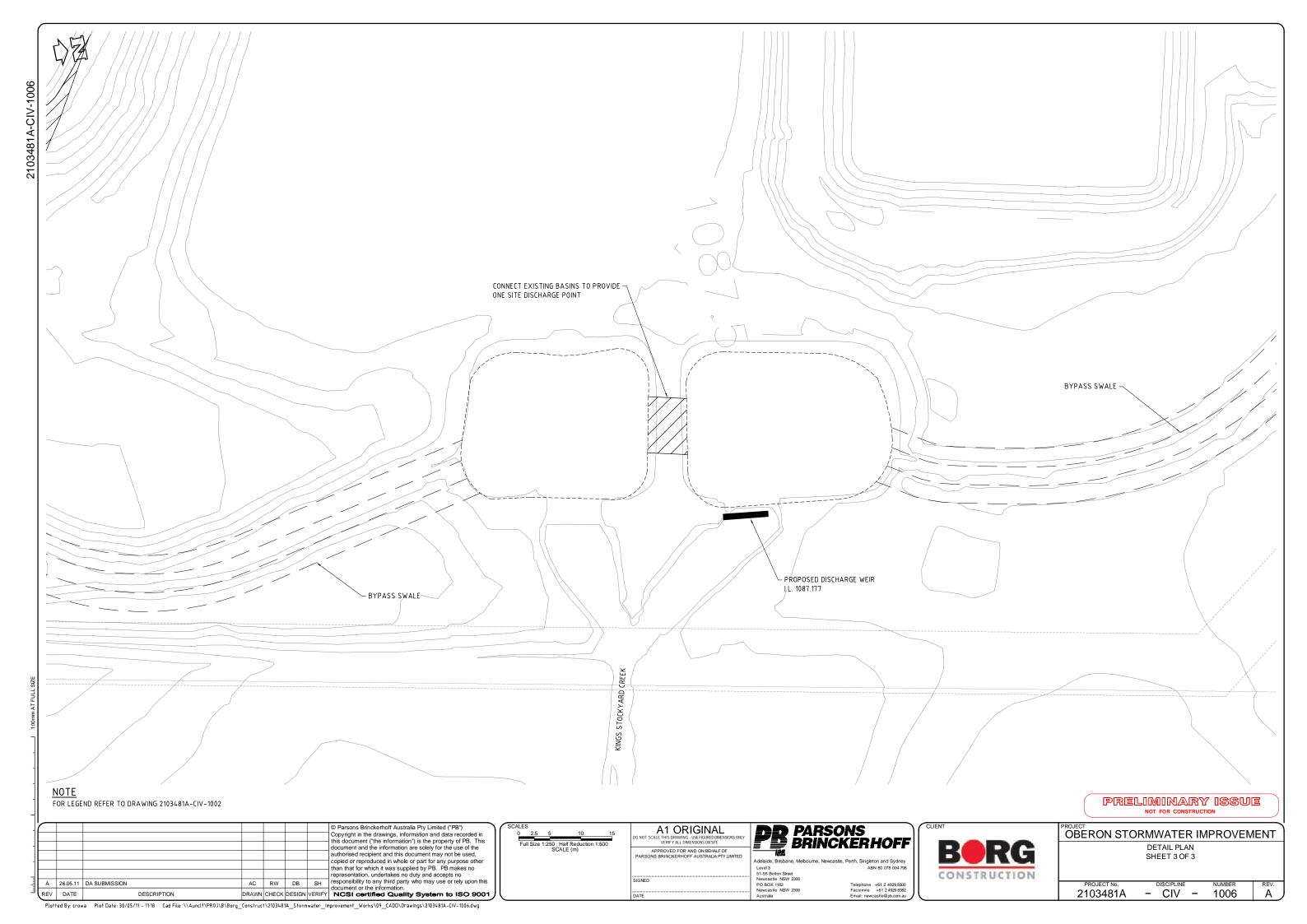
copied or reproduced in whole or part for any purpose other than that for which it was supplied by PB. PB makes no representation, undertakes no duty and accepts no esponsibility to any third party who may use or rely upon this document or the information.

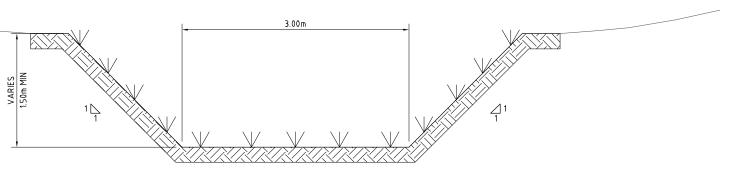
FOR LEGEND REFER TO DRAWING 2103481A-CIV-1002

A 26.05.11 DA SUBMISSION

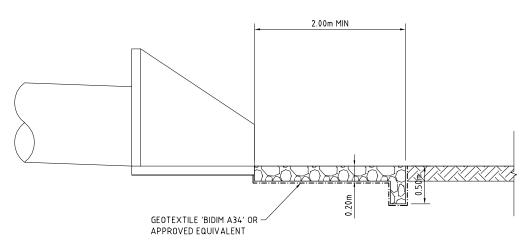








## TYPICAL SWALE DETAIL SCALE 1:25



## TYPICAL SCOUR PROTECTION DETAIL

SCALE 1:25

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

© Parsons Brinckerhoff Australia Pty Limited ("PB")
Copyright in the drawings, information and data recorded in this document ("the information") is the property of PB. This document and the information are solely for the use of the authorised recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that for which it was supplied by PB. PB makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.

REV DATE DESCRIPTION DRAWN CHECK DESIGN VERIFY NCSI certified Quality System to ISO 9001

1	SCALE	=5			
ı	0	0.25	0.5	1.0	1.5
ı					
ı		Full Size	1:25:	Half Reduction	1:50
ı				ALE (m)	
ı				(,	
ı					
ı					
ı					

A1 ORIGINAL
DO NOT SCALE THIS DRAWING: USE FIGURED DIMENSIONS ONLY
VERIFY ALL DIMENSIONS ON SITE

APPROVED FOR AND ON BEHAF OF
PARSONS BRINCKERHOFF AUSTRALIA PTY LIMITED

Adela
Leve
SIGNED





OBERON STORMWATER IMPROVEMENT
TYPICAL SECTIONS AND DETAILS

PROJECT No. DISCIPLINE NUMBER REV. 2103481A - CIV - 1007 A

## STORMWATER IMPROVEMENT WORKS DEVELOPMENT APPLICATION DRAWINGS AT OBERON FOR BORG CONSTRUCTION



DRAWING LIST				
DRAWING NUMBER	REVISION	TITLE		
2103481A-CIV-1000	A	COVER SHEET AND SCHEDULE		
2103481A-CIV-1001	Α	OVERALL PLAN		
2103481A-CIV-1002	Α	SWALE DETAIL PLAN AND LONGITUDINAL SECTION - SHEET 1 OF 2		
2103481A-CIV-1003	Α	SWALE DETAIL PLAN AND LONGITUDINAL SECTION - SHEET 2 OF 2		
2103481A-CIV-1004	Α	DETAIL PLAN - SHEET 1 OF 3		
2103481A-CIV-1005	Α	DETAIL PLAN - SHEET 2 OF 3		
2103481A-CIV-1006	Α	DETAIL PLAN - SHEET 3 OF 3		
2103481A-CIV-1007	A	TYPICAL SECTIONS		

LOCALITY PLAI

PRELIMINARY ISSUE

NOT FOR CONSTRUCTION

1							© Parsons Brinckerhoff Australia Pty Limited ("PB")
	1						Copyright in the drawings, information and data recorded in
41	,						this document ("the information") is the property of PB. This document and the information are solely for the use of the
	1						authorised recipient and this document may not be used,
-	'						copied or reproduced in whole or part for any purpose other
H	`			$\vdash$	_	$\vdash$	than that for which it was supplied by PB. PB makes no
IJ١	`	`		$\vdash$	$\vdash$	Li	representation, undertakes no duty and accepts no
4	Α	26.05.11	DA SUBMISSION	AC	RW	DB	responsibility to any third party who may use or rely upon this document or the information.
ᆁ	REV/	DATE	DESCRIPTION	DRAWNI	CHECK	DESIGN	NCSI certified Quality System to ISO 9001

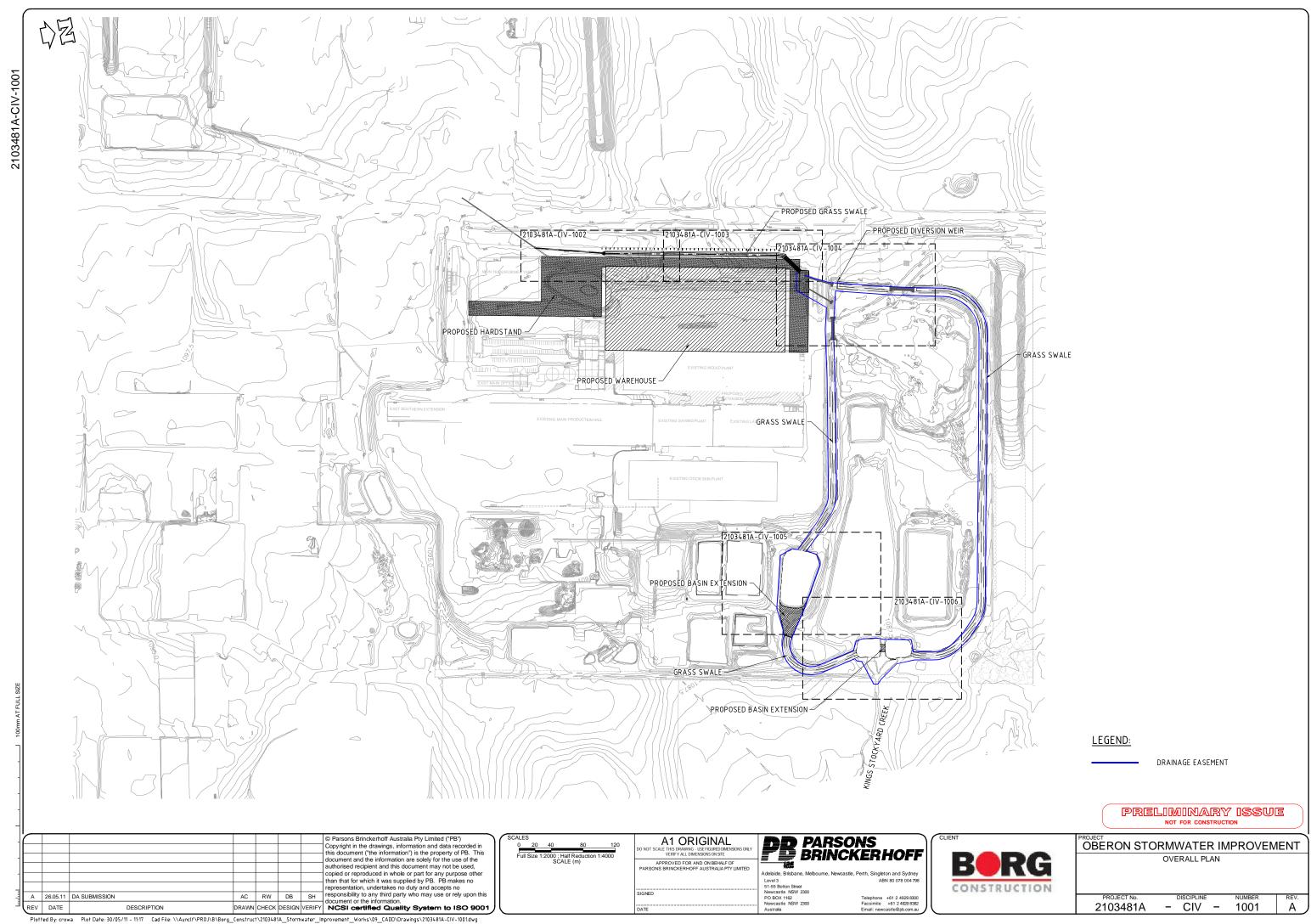
SCALES	A1 ORIGINAL  DO NOT SCALE THIS DRAWING - USE FIGURED DIMENSIONS ONLY VERIFY ALL DIMENSIONS ON SITE	<b>PR</b> PARS	SONS CKERHOFF
	APPROVED FOR AND ON BEHALF OF PARSONS BRINCKERHOFF AUSTRALIA PTY LIMITED	125	wcastle. Perth. Singleton and Sydney
	O(A)ED	Level 3 51-55 Bolton Street Newcastle, NSW 2300	ABN 80 078 004 798
	SIGNED	PO BOX 1162 Newcastle NSW 2300	Telephone +61 2 4929 8300 Facsimile +61 2 4929 8382
	I DATE	Auetralia	Email: newcaetle@nh.com.au

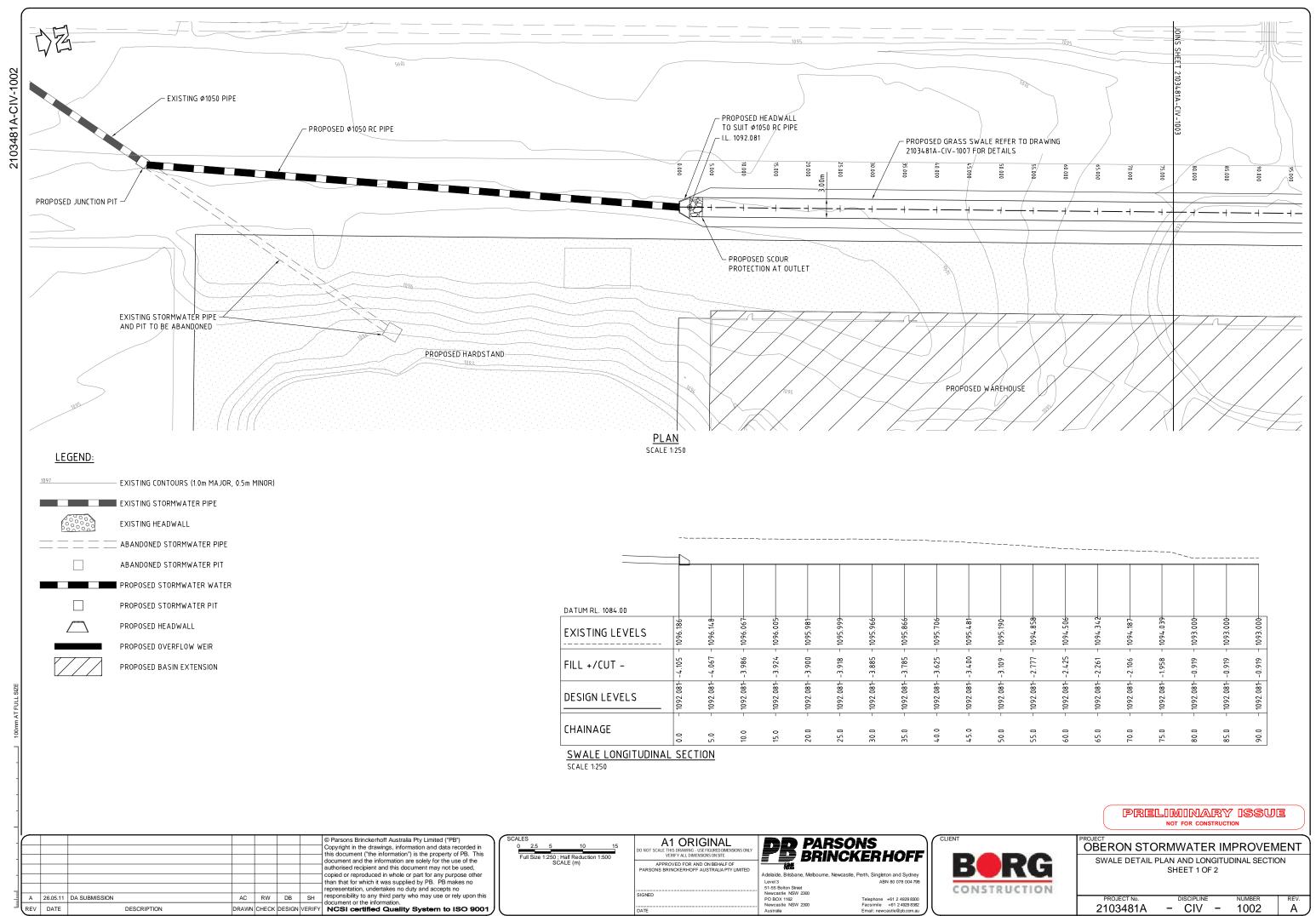
BORG

PROJECT OBERON STORMWATER IMPROVEMENT
COVER SHEET AND DRAWING SCHEDULE

PROJECT No. DISCIPLINE NUMBER REV.
2103481A - CIV - 1000 A

Plotted By: crowa Plot Date: 30/05/11 - 11:17 Cad File: \\AuncIf\PROJ\B\Borg\_Construct\2103481A\_Stormwater\_Improvement\_Works\09\_CADD\Drawings\2103481A-CIV-1000.dwg





Plotted By: crowa Plot Date: 30/05/11 - 11:17 Cad File: \Aunclf\PR01\B\Borg\_Construct\2103\81A\_Stormwater\_Improvement\_Works\09\_CADD\Drawings\2103\81A-CIV-1002.dwg