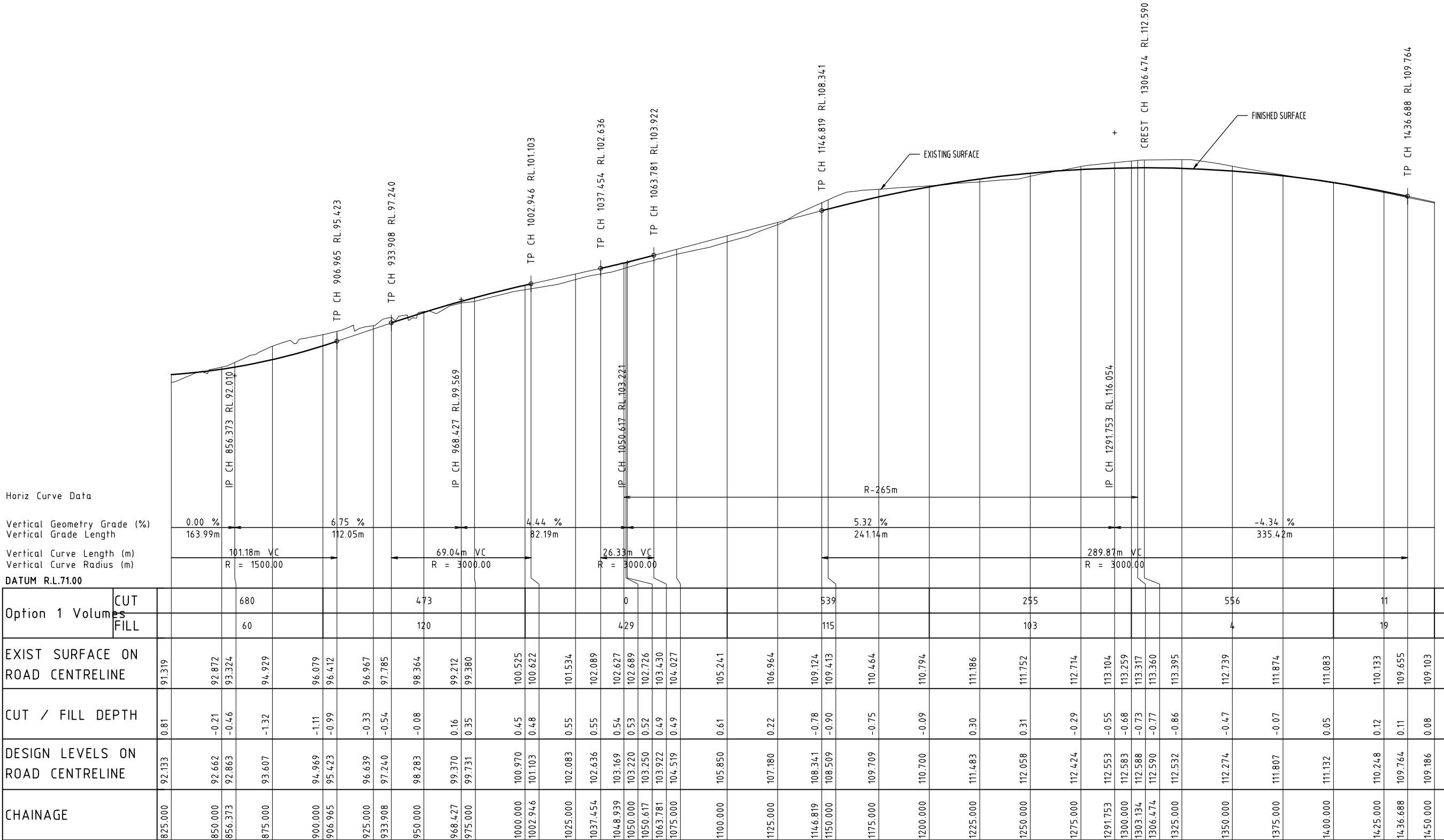


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CONCEPT

Scale 0 10 20 30 40 50 HORIZ Metres
0 2 4 6 8 10 HORIZ

A	ISSUED FOR DISCUSSION	4/01/2017	RP	JACOBS
No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY
AMENDMENTS				

JACOBS

A.C.N 001 024 095
Jacobs Group (Australia) Pty Ltd.
Level 2, 23-25 Parap Road
Parap, Darwin
NT 0820 AUSTRALIA

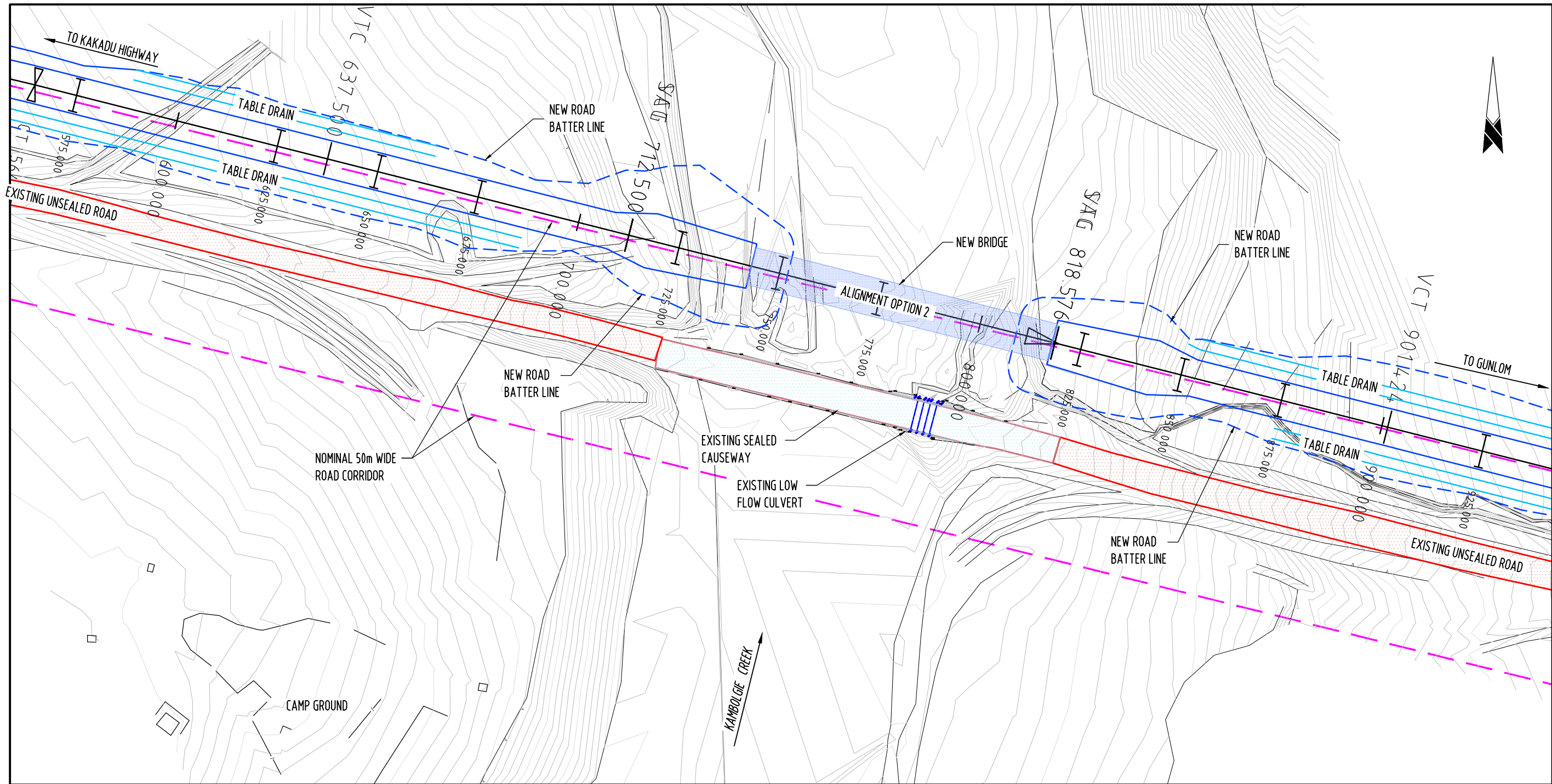
JACOBS REF IW141500
Tel: +61 8 8982 4800
Fax: +61 8 8982 4840
Web: www.jacobs.com

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3/01/2017	DATE
DESIGNED	CHECKED
RP	DATE
3/01/2017	DATE
DESIGN PROJECT LEADER	NTG PROJECT MANAGER
CS	Cielo Alvaran
DATE	DATE
3/01/2017	3/01/2017



DARWIN REGION
KAKADU NATIONAL PARK
GIMBAT ROAD AND KAMBOLGIE CREEK CROSSING UPGRADE
CONCEPT ALIGNMENT 1 LONG SECTION
SHEET 2 OF 2

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
		OF	SK04	A	A1



CONCEPT

ALIGNMENT OPTION 2
OFFSET FROM EXISTING ROAD AT CREEK 25m
DESIGN SPEED 80km/hr
HORIZONTAL CURVE RADII 265m WITH 3% SUPERELEVATION
1 IN 2 BATTER AT BRIDGE ABUTMENTS LANDS CLEAR OF EXISTING CAUSEWAY
EXISTING CREEK CROSSING WILL REMAIN OPEN DURING CONSTRUCTION
SHORT DETOURS WILL BE REQUIRED AT ROAD TIE INS
BRIDGE OPTION 2
75m LONG DECK RL ON CENTRELINE 93.58
TRAFFICABLE AT Q50

Scale 0 5 10 15 20 25 HORIZ Metres

DATE: 4/01/2017 2:55:51 PM LOCATION: NAME: PAGE: 000001'S LOCATION: 330 Projects\04_Central West\NTG\501010\Deliverables\Drawings\SECTION\W141500 SKETCH 2 CONCEPT PLAN AND LONG SEC 20170104.dwg

A		ISSUED FOR DISCUSSION	4/01/2017	RP	JACOBS
No.		DESCRIPTION	DATE	INIT.	DEPT/COMPANY
AMENDMENTS					

JACOBS

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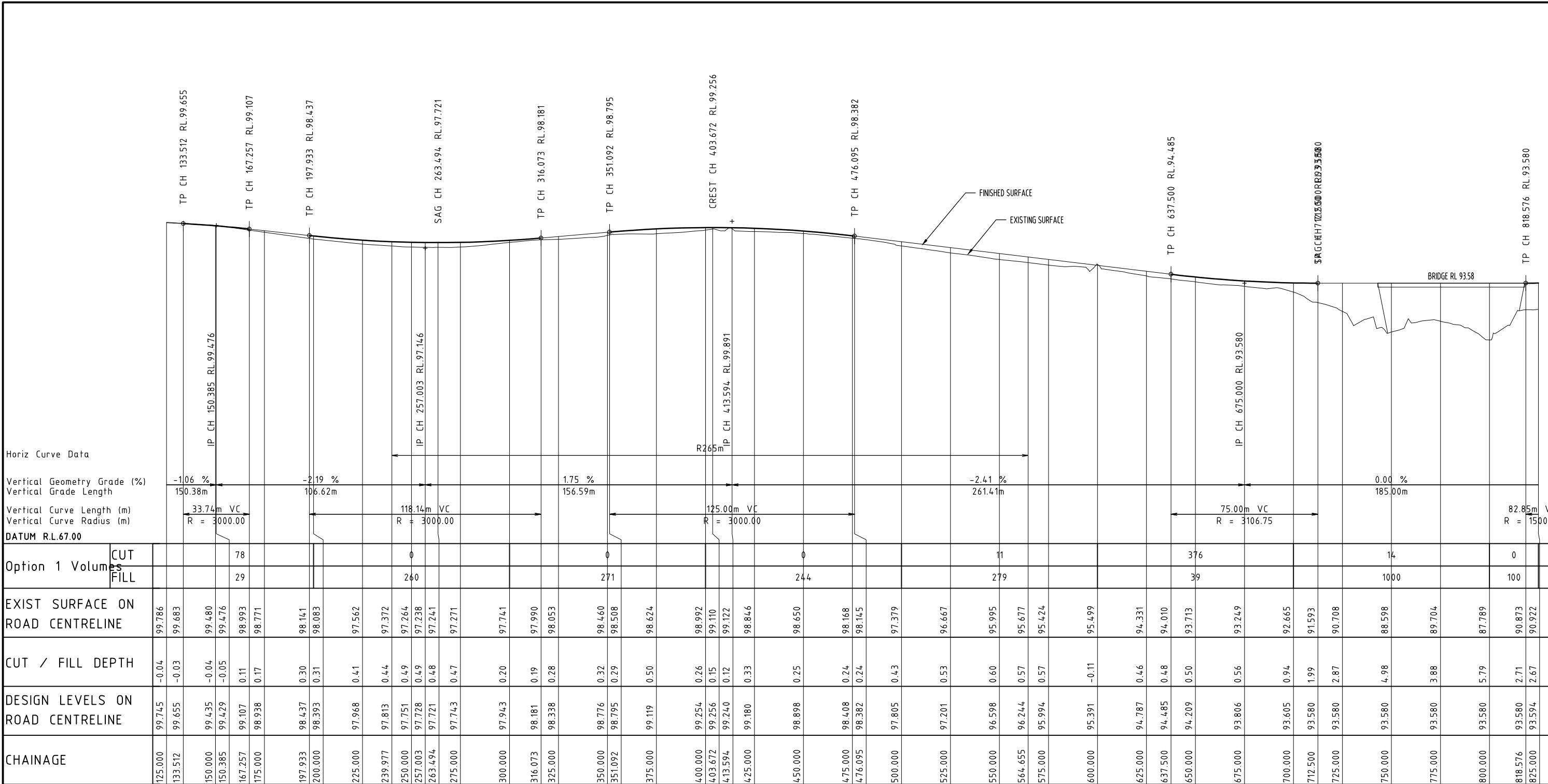
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DATE	3/01/2017	DATE	
DESIGN PROJECT LEADER	CS	NTG PROJECT MANAGER	Cielo Alvaran
DATE	3/01/2017	DATE	3/01/2017



DARWIN REGION
KAKADU NATIONAL PARK
GIMBAT ROAD AND KAMBOLGIE CREEK CROSSING UPGRADE
PLAN CONCEPT ALIGNMENT 2 - BRIDGE SITE

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SITE
		OF	SK12	A	A1

DATE: 4/01/2017 2:56:00 PM LION NAME PAGE: RDNET-1 S
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CONCEPT

A	ISSUED FOR DISCUSSION	4/01/2017	RP	JACOBS
No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY
AMENDMENTS				

JACOBS

A.C.N 001 024 095
Jacobs Group (Australia) Pty Ltd.
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NT 0820 AUSTRALIA

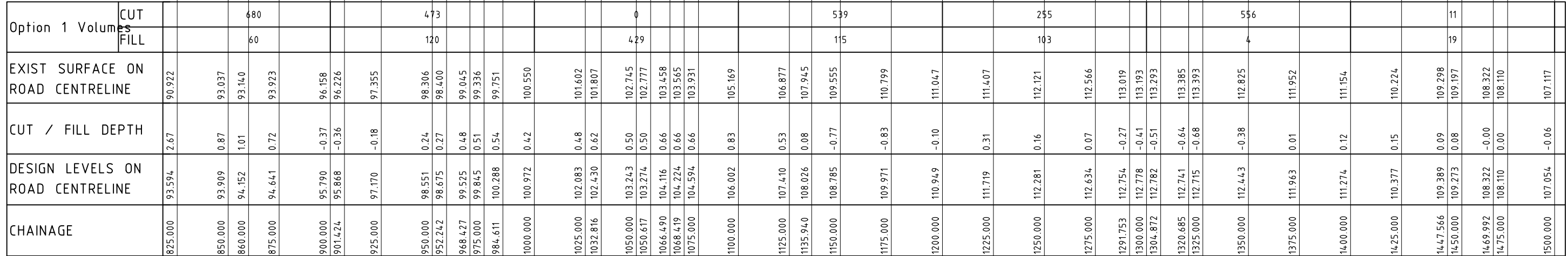
JACOBS REF IW141500
Tel: +61 8 8982 4800
Fax: +61 8 8982 4840
Web: www.jacobs.com

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DATE	3/01/2017	DATE	
DESIGNED	RP	CHECKED	
DATE	3/01/2017	DATE	
DESIGN PROJECT LEADER	CS	NTG PROJECT MANAGER	Cielo Alvaran
DATE	3/01/2017	DATE	3/01/2017



DARWIN REGION
KAKADU NATIONAL PARK
GIMBAT ROAD AND KAMBOLGIE CREEK CROSSING UPGRADE
CONCEPT ALIGNMENT 2 LONG SECTION
SHEET 1 OF 2

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SITE
		OF	SK13	A	A1



Scale

Metres

A ISSUED FOR DISCUSSION 4/01/2017 RP JACOBS					JACOBS A.C.N 001 024 095 Jacobs Group (Australia) Pty Ltd. Level 2, 23-25 Parap Road Parap, Darwin NT 0820 AUSTRALIA JACOBS REF IW141500 Tel: +61 8 8982 4800 Fax: +61 8 8982 4840 Web: www.jacobs.com			DRAWN RP DATE 3/01/2017 DESIGNED RP DATE 3/01/2017 DESIGN PROJECT LEADER CS DATE 3/01/2017 CHECKED DATE CHECKED DATE NTG PROJECT MANAGER Cielo Alvaran DATE 3/01/2017			Northern Territory Government			DARWIN REGION KAKADU NATIONAL PARK GIMBAT ROAD AND KAMBOLGIE CREEK CROSSING UPGRADE CONCEPT ALIGNMENT 2 LONG SECTION SHEET 2 OF 2					
No. DESCRIPTION DATE INIT. DEPT / COMPANY					NTG PROJECT No. NTG ASSET No. SHEET No. OF NTG DRAWING No. SK14 AMENDMENT A SHEET SIZE A1														



ISSUED FOR 30% REVIEW				2/2/17	JACOBS	JACOBS	DRAWN RS DATE JAN 17 DESIGNED DATE DESIGN PROJECT LEADER DATE *	CHECKED CS DATE JAN 17 CHECKED DATE NTG PROJECT MANAGER DATE	Northern Territory Government	GIMBAT ROAD AND KAROLGIE CREEK CROSSING UPGRADE GENERAL ARRANGEMENT AND ELEVATION ALIGNMENT OPTION 1 Q5 CROSSING				
No	DESCRIPTION	DATE	INT.	DEPT/COMPANY	NTG PROJECT No.		NTG ASSET No.	SHEET No. OF		SK100	AMENDMENT A	SHEET SIZE A1		
AMENDMENTS														



ISSUED FOR 30% REVIEW				2/2/17	JACOBS
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AMENDMENTS					

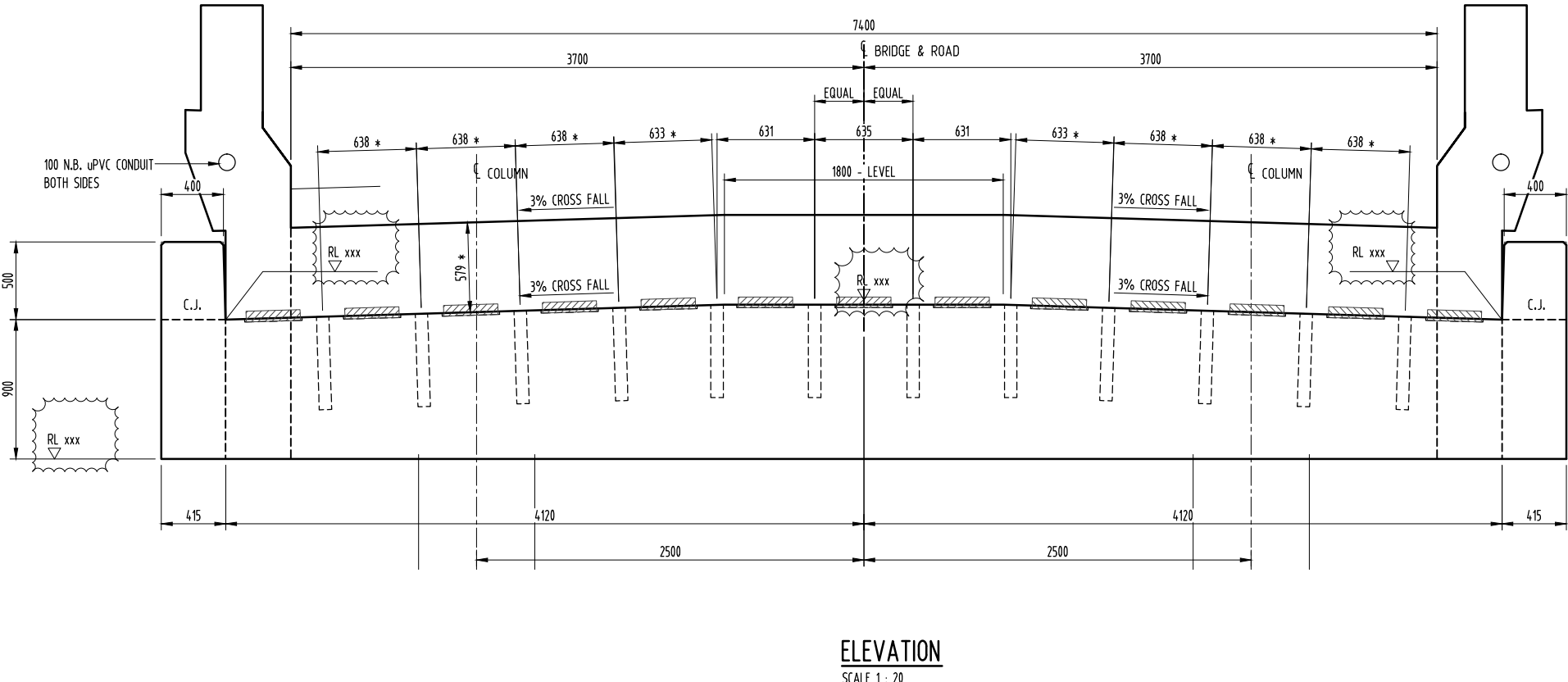
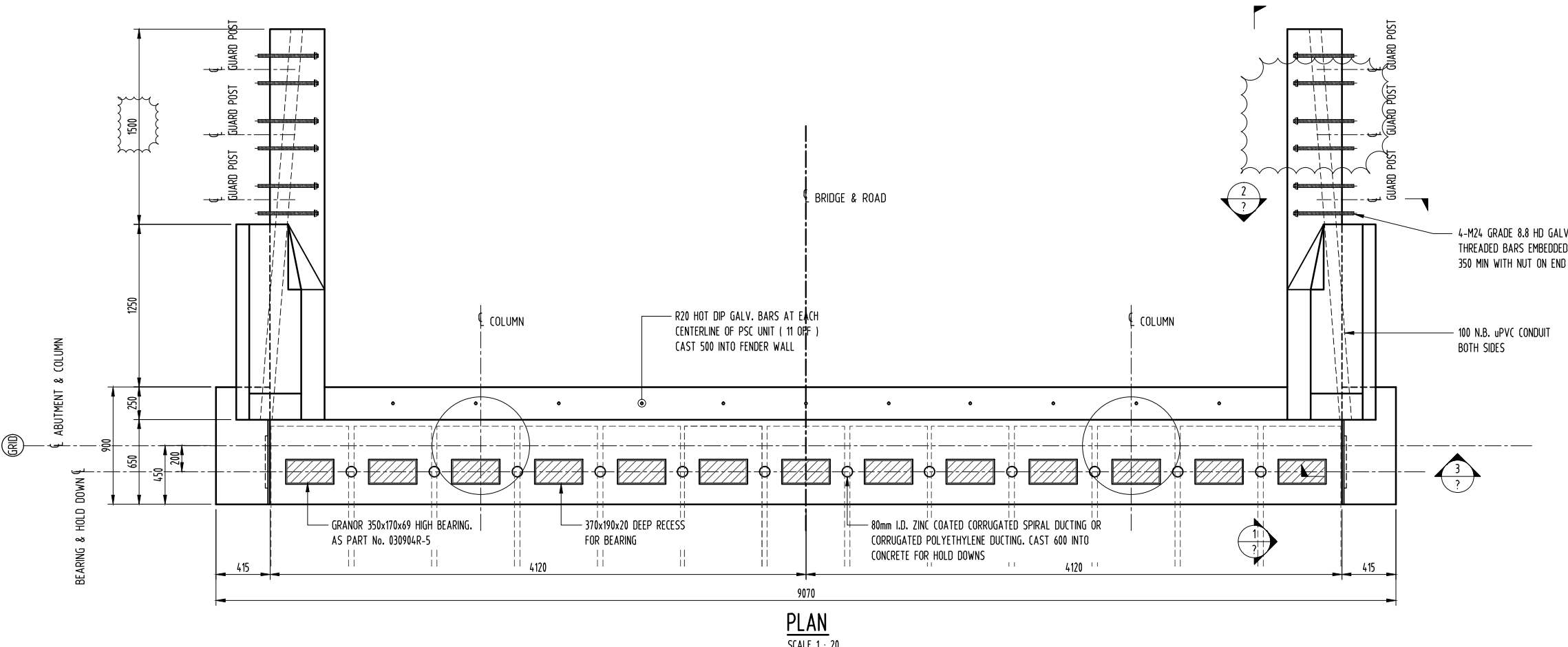


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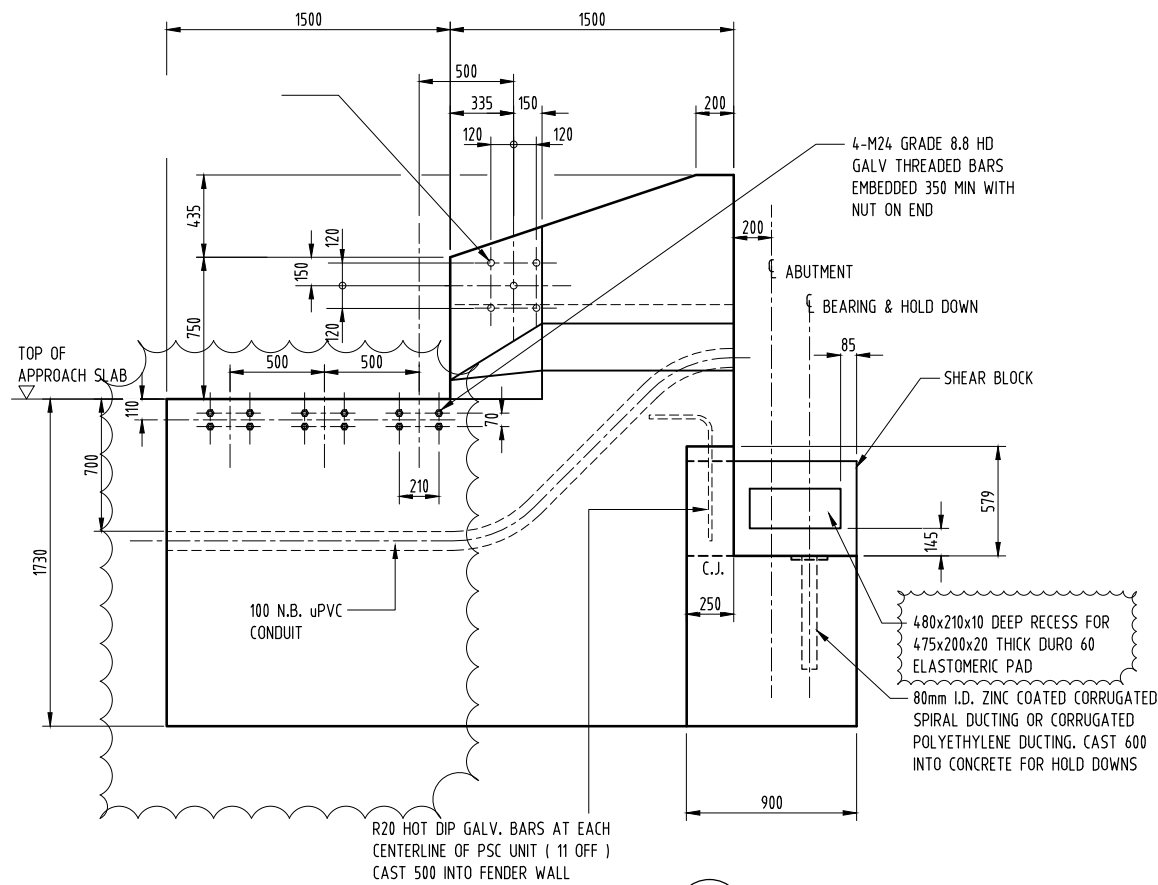
Northern Territory Government

GIMBAT ROAD AND KAMBOLGIE CREEK CROSSING UPGRADE GENERAL ARRANGEMENT AND ELEVATION ALIGNMENT OPTION 2 QSO CROSSING			
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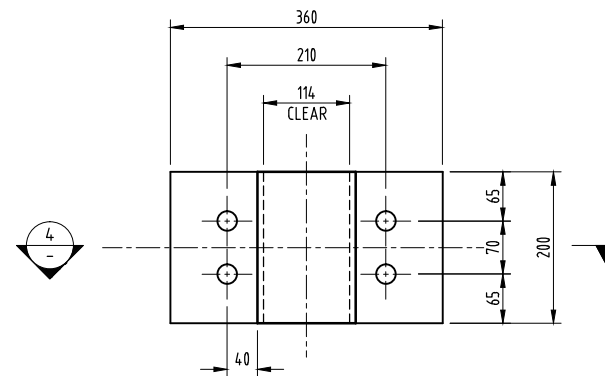


- ### NOTES:-
1. USE CONCRETE STRENGTH N40.
 2. CHAMFER EXTERNAL CORNERS AND FILLET RE-ENTRANT CORNERS 20x20.
 3. REDUCED LEVELS ARE IN METRES, ALL OTHER DIMENSIONS ARE IN MILLIMETRES
 4. DIMENSIONS MARKED 'x' ARE NORMAL TO THE CROSS FALL.
 5. USE DURO 55 HARDNESS NEOPRENE PADS.
 6. USE GRADE 300 PLATE.
 7. COMPLY WITH AS3600, AS1379, AND AS4100.
 8. HOT DIP GALVANISE GUARD POST BRACKET AFTER FABRICATION.
 9. USE GP QUALITY WELDS.

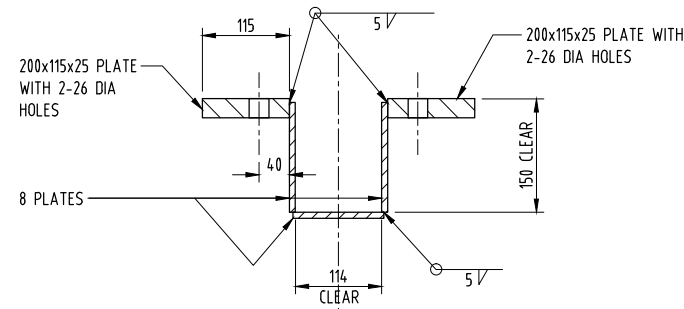
								A.C.N 001 024 095 Jacobs Group (Australia) Pty. Ltd. Level 2, 23-25 Parap Road Parap, Darwin NT 0820 AUSTRALIA		JACOBS Ref No. IW141500 Tel: +61 8 8982 4800 Fax: +61 8 8982 4840 Web: www.jacobs.com		<table><tr><td>DRAWN SHW</td><td>CHECKED -</td></tr><tr><td>DATE Jan 2017</td><td>DATE -</td></tr><tr><td>DESIGNED GC</td><td>CHECKED -</td></tr><tr><td>DATE Jan 2017</td><td>DATE -</td></tr><tr><td>DESIGN PROJECT LEADER -</td><td>NTG PROJECT MANAGER -</td></tr><tr><td>DATE -</td><td>DATE -</td></tr></table>		DRAWN SHW	CHECKED -	DATE Jan 2017	DATE -	DESIGNED GC	CHECKED -	DATE Jan 2017	DATE -	DESIGN PROJECT LEADER -	NTG PROJECT MANAGER -	DATE -	DATE -			DARWIN REGION KAKADU NATIONAL PARK GIMBAT ROAD AND KAMBOLGIE CREEK CROSSING UPGRADE ABUTMENT - CONCRETE DETAILS SHEET 1 OF 2			
DRAWN SHW	CHECKED -																														
DATE Jan 2017	DATE -																														
DESIGNED GC	CHECKED -																														
DATE Jan 2017	DATE -																														
DESIGN PROJECT LEADER -	NTG PROJECT MANAGER -																														
DATE -	DATE -																														
A	ISSUED FOR 30% REVIEW			24.01.2017	GC	JACOBS																									
No.	DESCRIPTION			DATE	INIT.	DEPT/COMPANY.																									
AMENDMENTS																															
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NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE																										
-	-	- OF -	SK102	A	A1																										



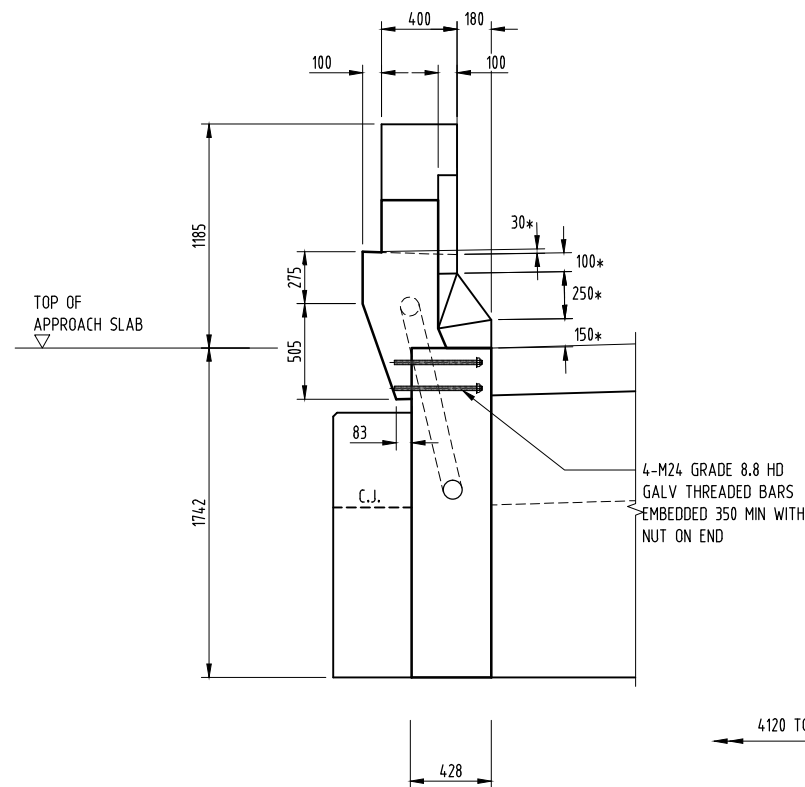
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SCALE 1:20



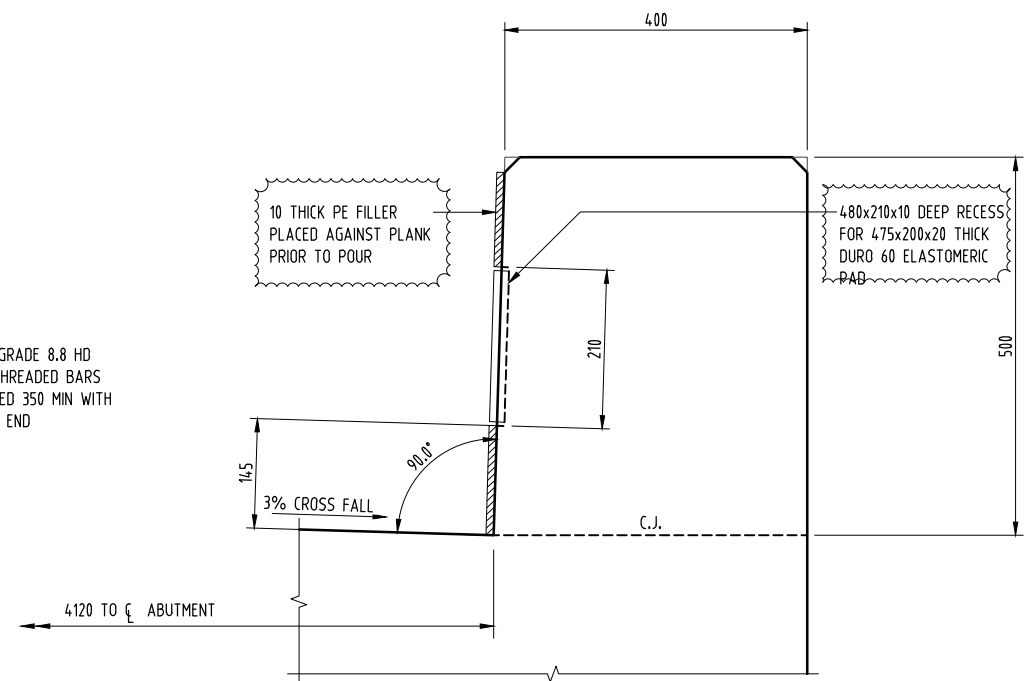
HOT DIP GALVANISED AFTER FABRICATION
GUARD POST BRACKET AT ABUTMENT - ELEVATION - 12 OFF
SCALE 1 : 5



SECTION 4
SCALE 1:20



SECTION 2
SCALE 1:20



SECTION 3
SCALE 1:5

NOTES:-
1. REFER DRAWING SHEET ?? FOR NOTES.

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DRAWN SHW	CHECKED -
DATE Jan 2017	DATE -
DESIGNED GC	CHECKED -
DATE Jan 2017	DATE -
DESIGN PROJECT LEADER -	NTG PROJECT MANAGER -
DATE -	DATE -



DARWIN REGION
KAKADU NATIONAL PARK
GIMBAT ROAD AND KAMBOLGIE CREEK CROSSING UPGRADE
ABUTMENT - CONCRETE DETAILS
SHEET 2 OF 2

NTG PROJECT No. -	NTG ASSET No. -	SHEET No. - OF -	NTG DRAWING No. SK103	AMENDMENT A	SHEET SIZE A1
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A	ISSUED FOR 30% REVIEW	24.01.2017	GC	JACOBS
No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY.
	AMENDMENTS			