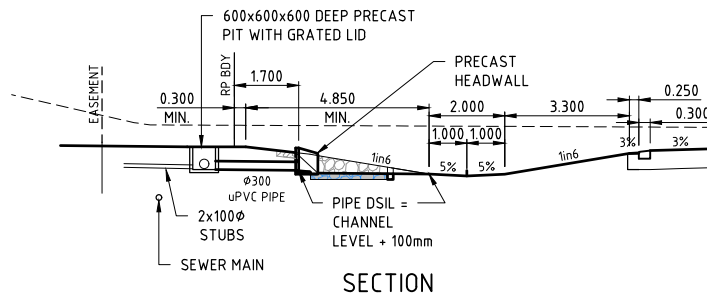
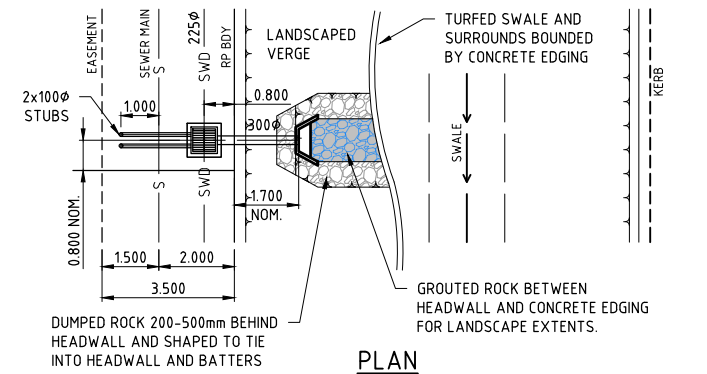


	PROPOSED STAGE BOUNDARY
	EXISTING/FUTURE STAGE BOUNDARY
	PROPOSED PROPERTY BOUNDARY
	EXISTING/FUTURE PROPERTY BOUNDARY
	FINISHED SURFACE CONTOURS
	PROPOSED EASEMENT
	DISH DRAIN (INVERT CHANNEL)
	BARRIER KERB AND CHANNEL
	MOUNTABLE KERB AND CHANNEL
	MEDIAN KERB
	FLUSH KERB
	SWALE DRAIN
	TOP OF BATTER
	TOE OF BATTER
	STORMWATER DRAINAGE
	ROOFWATER DRAINAGE
	SEWERAGE RETICULATION
	SEWER RISING MAIN
	WATER RETICULATION
	PROPOSED RETAINING WALL
	EXISTING/FUTURE RETAINING WALL
	STORMWATER PIT
	STORMWATER MANHOLE
	KERB ADAPTER WITH 100mm DIA ROOFWATER CONNECTION
	100mm DIA ROOFWATER CONNECTION DIRECTLY INTO CATCHPIT
	ROOFWATER ADAPTOR



## GENERAL NOTES

1. ALL DIMENSIONS ON THE DRAWINGS ARE IN METERS UNLESS SHOWN OTHERWISE.
2. LEVELS AND GRADIENTS AT JUNCTIONS WITH EXISTING WORKS MAY BE VARIED AS REQUIRED TO ACHIEVE SATISFACTORY CONNECTIONS.
3. ALL PAVEMENT IS TO BE ASPHALTIC CONCRETE SURFACING TO MACKAY REGIONAL COUNCIL SPECIFICATIONS.
4. FINAL PAVEMENT DEPTHS SHALL BE DETERMINED BY THE SUPERINTENDENT AFTER SUBGRADE TESTING.
5. ALL WORKS WERE TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT MACKAY REGIONAL COUNCIL STANDARDS AND STANDARD DRAWINGS UNLESS DIRECTED OTHERWISE.
6. SUB-BASE GRAVELS SHALL EXTEND UNDER KERB AND CHANNEL TO 150mm BEHIND REAR OF KERB, 100mm MIN. DEPTH UNDER KERB AND CHANNEL.
7. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING SERVICES WITH ALL RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION.
8. BASIS FOR LEVELS DERIVED FROM PSM REG'D NO. PSM 118600 R 7.152M.
9. FOR DETAILS OF EROSION AND SILTATION CONTROL DEVICES REFER TO DWG Nos. B00214-CV300 TO B00214-CV304.
10. ANY COMMUNICATIONS FIBRE LOCATED WITHIN THE AREA OF WORKS IS TO BE RELOCATED AS DETAILED IN THE ELECTRICAL DRAWINGS.
11. REFER TO STORMWATER DRAINAGE DWG'S FOR ROOFWATER DETAILS.

**SURVEYOR'S CERTIFICATION**

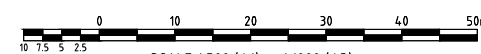
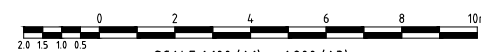
AS CONSTRUCTED INFORMATION SURVEYED BY VERIS AUSTRALIA PTY LTD  
AND CERTIFIED BY A REGISTRAR OF THE BOARD OF SURVEYORS:

NAME: Alistair Byrom (Delegate)  
SIGNATURE: Alistair Byrom DATE 21/09/2022

### ENGINEER'S CERTIFICATION

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE WORKS AND THE  
AS CONSTRUCTED DETAILS PROVIDED CONFORM WITH THE DESIGN INTENT:

NAME: Chris Hobson RPEQ 12732  
SIGNATURE: *Chris Hobson* DATE 27/9/2022



AS CONSTRUCTED

Chhpa Haha  
Registered Engineer

27/9/2022	12732
<i>Date</i>	<i>Register</i>

22 ENGINEERING CERTIFICATION


ENGINEERING CERTIFICATION

Project Managers © COPYRIGHT 2020



**Empower**   
**ENGINEERS &  
PROJECT MANAGERS** **ABN 23 010 743 690**

<i>Client</i>	<b>EAST POINT MACKAY PTY LTD</b>
<i>Project</i>	<b>EAST POINT DRIVE MACKAY - STAGE 1C</b>
<i>Title</i>	<b>ROADWORKS PLAN</b>

Datum <b>AHD</b> PSM 118600 RL 7.152M (MGA) COORD		
<b>AS CONSTRUCTED</b>		
Project No. <b>B00214-CR301</b>	Drawing No.  	Rev <b>0</b>



REFER TO INTERSECTION DETAILS  
ON DWG No. B00214-CR304.

ROAD NAME	ROAD 2 (DERIVA COURT/CRESCENT)
ROAD TYPE	ACCESS STREET 3.50 X 10 <sup>4</sup>
CHAINAGE	CH 20.000 - CH 195.177
MINIMUM PAVEMENT THICKNESS	
AC SURFACE	30
PRIMERSEAL	7
BASE COURSE	125
SUB-BASE COURSE	125
LOWER SUB-BASE	-100-
ADDITIONAL PAVEMENT THICKNESS	
BLANKET COURSE	<del>SUBJECT TO PAVEMENT DEPTH</del> <del>APPROVAL 100</del>
KERB & CHANNEL	
RHS	MOUNTABLE KERB AND CHANNEL
LHS	MOUNTABLE KERB AND CHANNEL

ROAD NAME	ROAD 2A (DERIVA COURT/CRESCENT)
ROAD TYPE	ACCESS STREET 3.50 X 10 <sup>4</sup>
CHAINAGE	CH 0.000 - CH 30.460
MINIMUM PAVEMENT THICKNESS	
AC SURFACE	30
PRIMERSEAL	7
BASE COURSE	125
SUB-BASE COURSE	125
LOWER SUB-BASE	-100-
ADDITIONAL PAVEMENT THICKNESS	
BLANKET COURSE	<del>SUBJECT TO PAVEMENT DEPTH</del> <del>APPROVAL 100</del>
KERB & CHANNEL	
RHS	MOUNTABLE KERB AND CHANNEL
LHS	BARRIER KERB AND CHANNEL

**NOTE:**

SITE CBR VALUE AND PAVEMENT DEPTHS TO BE  
VERIFIED WITH CBR TESTS PRIOR TO CONSTRUCTION.

**SURVEYOR'S CERTIFICATION**

AS CONSTRUCTED INFORMATION SURVEYED BY VERIS AUSTRALIA PTY LTD  
AND CERTIFIED BY A REGISTRANT OF THE BOARD OF SURVEYORS:

NAME: Alistair Byrom (Delegate)

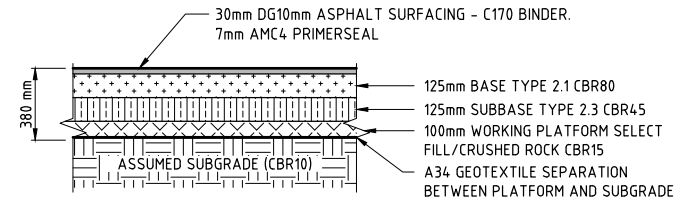
SIGNATURE: *Alistair Byrom* DATE 21/09/2022

**ENGINEER'S CERTIFICATION**

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE WORKS AND THE  
AS CONSTRUCTED DETAILS PROVIDED CONFORM WITH THE DESIGN INTENT:

NAME: Chris Hobson RPEQ 12732

SIGNATURE: *Chris Hobson* DATE 27/9/2022

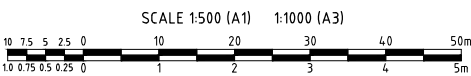
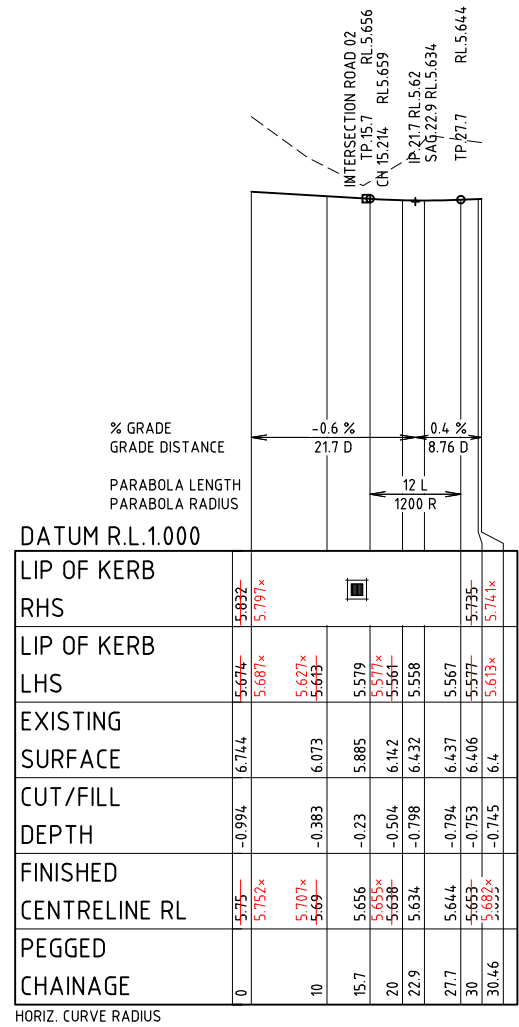
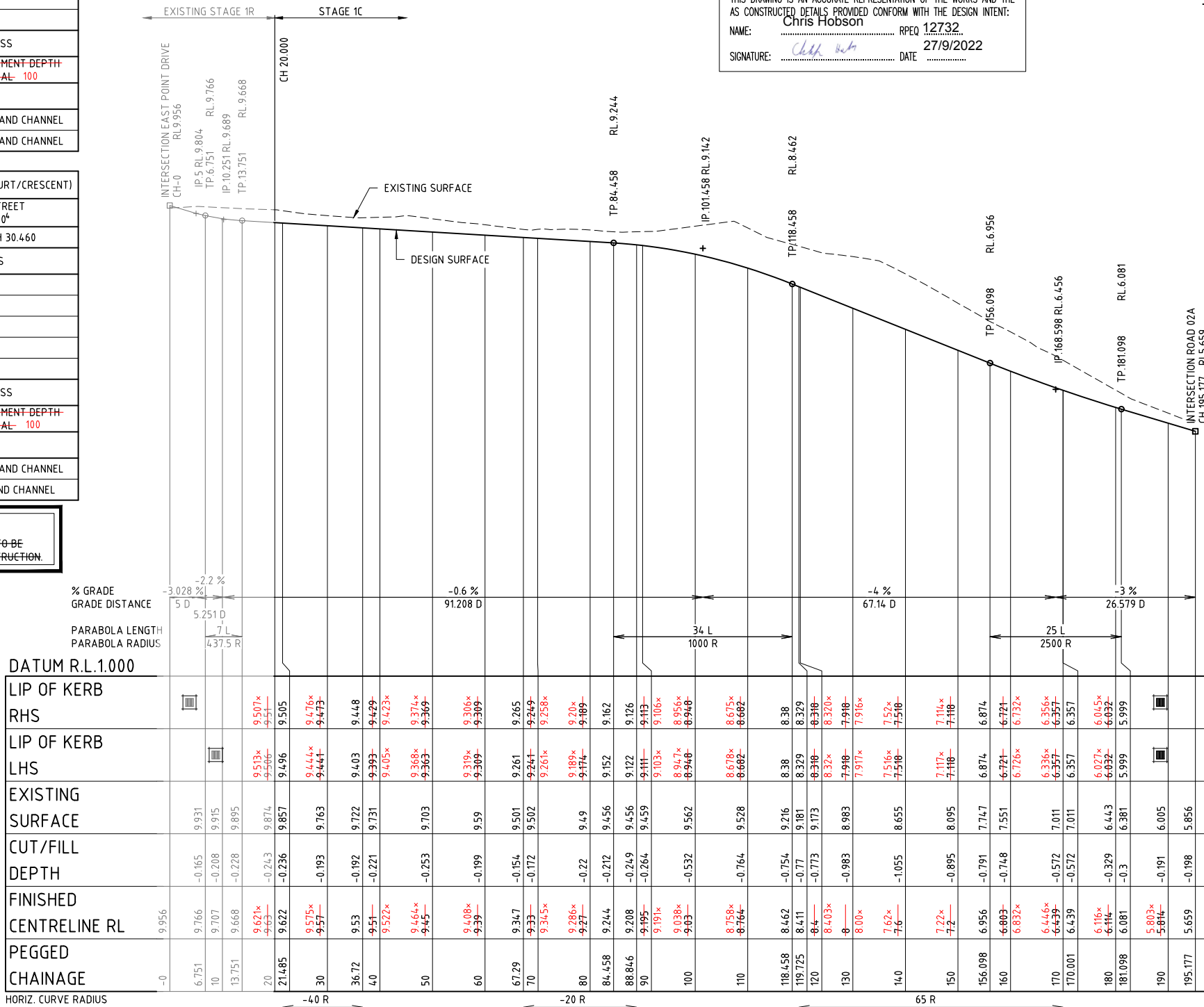


**PAVEMENT TYPE 3 (ACCESS STREET)**

NOT TO SCALE

**PAVEMENT DESIGN**

ASSUMED SUBGRADE CBR (SOAKED)	10
DESIGN LIFE	25 YEARS
TRAFFIC ESA's	3.50 X 10 <sup>4</sup>



SCALE 1: 500 (HORIZ.) 1: 50 (VERT.)

SCALE 1: 500 (HORIZ.) 1: 50 (VERT.)

**AS CONSTRUCTED**

*Chris Hobson*  
Registered Engineer  
27/9/2022

Date Register

ENGINEERING CERTIFICATION

No. Amendments

Drawn Design Design Chk Appd Date

This drawing cannot be copied or reproduced in any form or used for any purpose other than that originally intended without the written permission of Empower Engineers and Project Managers ©COPYRIGHT 2020

**urbex**

**Empower**  
ENGINEERS &  
PROJECT MANAGERS  
ABN 23 010 743 692

Client **EAST POINT MACKAY PTY LTD**

Project **EAST POINT DRIVE MACKAY - STAGE 1C**

Title **ROAD LONGITUDINAL SECTIONS**

Datum **AHD**

PSM 118600  
RL 7.152M  
(MGA) COORD

**AS CONSTRUCTED**

Project No. Drawing No. Rev

**B00214-CR302**

**0**







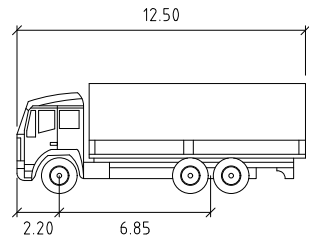
# LEGEND

	PROPOSED STAGE BOUNDARY
	EXISTING/FUTURE STAGE BOUNDARY
	PROPOSED PROPERTY BOUNDARY
	EXISTING/FUTURE PROPERTY BOUNDARY
	FINISHED SURFACE CONTOURS
	PROPOSED EASEMENT
	STORMWATER DRAINAGE
	PROPOSED RETAINING WALL
	EXISTING/FUTURE RETAINING WALL
	BARRIER KERB AND CHANNEL
	MOUNTABLE KERB AND CHANNEL

## NOTES:-

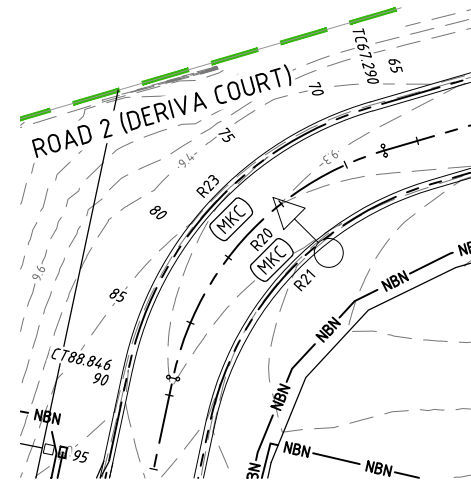
- ALL RADII TO TURNS & ISLANDS ARE GIVEN TO THE LIP LINE UNLESS NOTED OTHERWISE.
- REFER DWG No. B00214-CR301 FOR GENERAL ROADWORKS NOTES.

# LEGEND



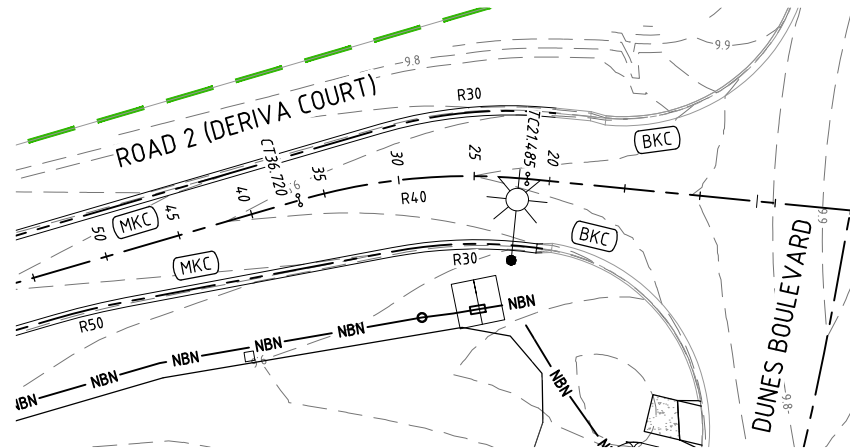
## SU TRUCK

Width	2.50	meters
Track	2.50	meters
Lock to Lock Time	6.0	meters
Steering Angle	36.6	degrees



ROAD 02 (DERIVA COURT/CRESCENT) BEND

SCALE 1:250



ROAD 02 (DERIVA COURT/CRESCENT) INTERSECTION

SCALE 1:250

## SURVEYOR'S CERTIFICATION

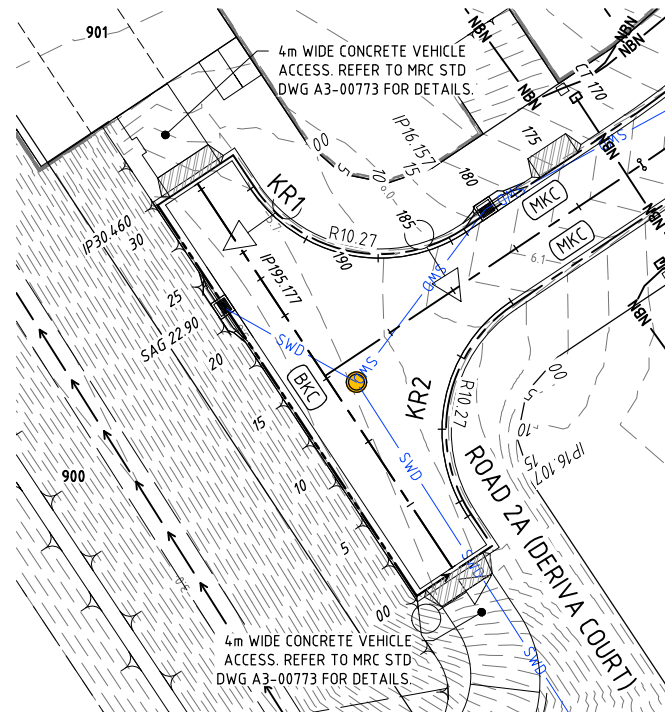
AS CONSTRUCTED INFORMATION SURVEYED BY VERIS AUSTRALIA PTY LTD AND CERTIFIED BY A REGISTRANT OF THE BOARD OF SURVEYORS:

NAME: Alistair Byrom (Delegate)  
SIGNATURE: *Alistair Byrom* DATE: 21/09/2022

## ENGINEER'S CERTIFICATION

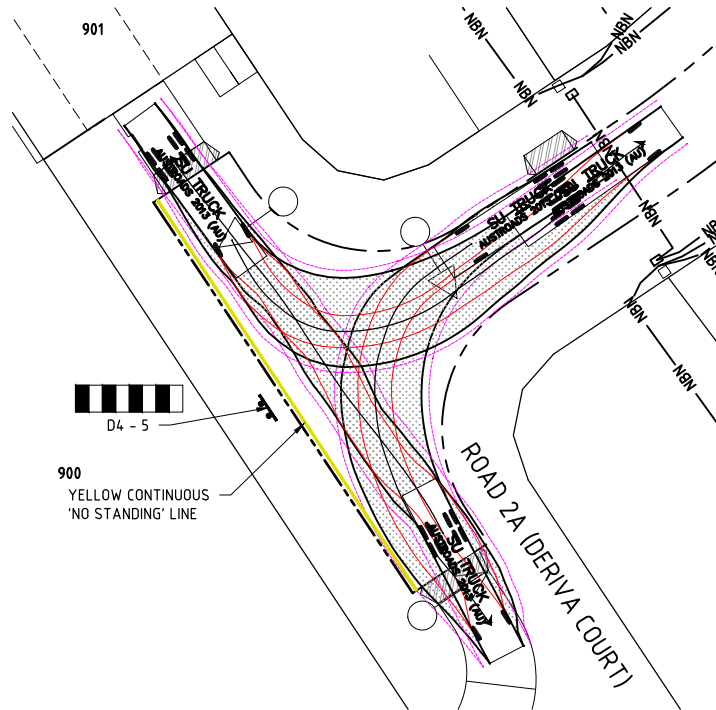
THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE WORKS AND THE AS CONSTRUCTED DETAILS PROVIDED CONFORM WITH THE DESIGN INTENT:

NAME: Chris Hobson RPEQ 12732  
SIGNATURE: *Chris Hobson* DATE: 27/9/2022



ROAD 02A (DERIVA COURT/CRESCENT)

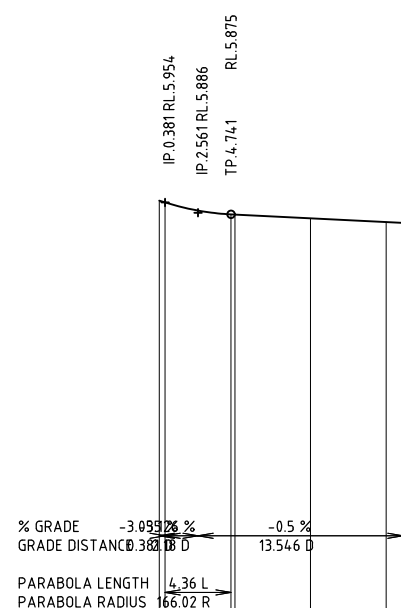
SCALE 1:250



ROAD 02A (DERIVA COURT/CRESCENT)  
TURNING PATH, SIGNS AND LINEMARKING

SCALE 1:250

## KR2



DATUM R.L.3.000

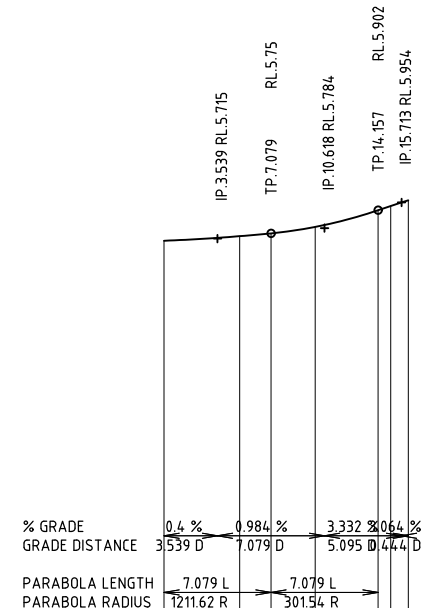
	0	5	10	15	20
NORTHING	7662573.741	7662573.524	7662570.309	7662570.082	7662565.289
EASTING	730402.667	730402.354	730399.458	730399.331	730399.095
LIP OF KERB LEVEL	5.964x	5.966x	5.875	5.874x	5.824
PEGGED CHAINAGE	0	0.381	4.741	5	16.107

HORIZ. CURVE RADIUS -10.27 R

ROAD 02 to ROAD 02A LONGITUDINAL SECTION

SCALE 1:250 (HORIZ.) 1:25 (VERT.)

## KR1



DATUM R.L.3.000

	0	5	10	15	20
NORTHING	7662581.087	7662577.843	7662577.04	7662576.594	7662577.378
EASTING	730385.435	730389.085	730390.999	730393.876	730397.93
LIP OF KERB LEVEL	5.745x	5.741x	5.743x	5.777x	5.655x
PEGGED CHAINAGE	0	5	7.079	10	16.157

HORIZ. CURVE RADIUS -10.27 R

ROAD 02A to ROAD 02 LONGITUDINAL SECTION

SCALE 1:250 (HORIZ.) 1:25 (VERT.)

## AS CONSTRUCTED

Registered Engineer 12732  
Date 27/9/2022

Register

ENGINEERING CERTIFICATION

Amendments

Drawn Design Design Chk Appd Date

DO NOT SCALE USE ONLY THE DIMENSIONS PROVIDED.

urbex

Empower  
ENGINEERS &  
PROJECT MANAGERS  
ABN 23 010 743 692

Client EAST POINT MACKAY PTY LTD

Project EAST POINT DRIVE MACKAY - STAGE 1C

Title INTERSECTION DETAIL PLAN AND  
KERB RETURN LONGITUDINAL SECTIONS

Datum AHD

PSM 118600  
RL 7.152M  
(MGA) COORD

Project No. Drawing No. Rev  
B00214-CR304 0

