## KERB & GUTTER WATERFLOW CALCULATIONS

Catchment size: Road surface only from crest. 10mx4m. Note: No roof systems to kerb in catchment area. Flow:  $CIA/3600 = 1 \times 321 \text{mm/h} \times 40 \text{m}^2 / 3600 = 3.6 \text{L/s}$ 'Estimated water height in layback: 28mm

## **Enter Details**

Flow (L/s) 3.6 Slope S1, vertical to horiz (1:?) 11 Slope S2, vertical to horiz (1:?) 6 Bed Slope (1:?) 50 Bed Width (mm) 10

Press to Calculate (or press 'Enter')

Mannings 'n' 0.015

**Channel Size** 

Water Surface Width (mm) 486.000 Depth (mm) 28.0000 Flow Velocity (m/s) 0.55

GUTTER WIDTH OF FLOW.

**SCALE 1:10** 

Bed Width

Mannings 'n' (Typical Values) Mowed Grass -0.025

 Concrete 0.015 Asphalt 0.016 Rocks 0.035

<sup>25.000</sup> **4.65** 3.05

> 1.05 LINE OF KERB AND GUTTER

19.30

13.24

10.97

GARAGE FFL RL: 23.935

215

22.00

22.50

23.000

23.500

24.500

LONG SECTION "A" LONG SECTION "B"

REMOVE EXISTING LAYBACK

KERB PROFILE.

AND REPLACE WITH UPRIGHT

NOTE!

CONTOURS & SPOT LEVELS ARE INDICATIVE ONLY. FINAL SITE LEVELS TO BE COMPLETED BY A REGISTERED SURVEYOR PRIOR TO START OF CONSTRUCTION

NOTE!

DESIGN IN ACCORDANCE WITH MID COAST COUNCIL'S STANDARD DRAWING #SD0100 LOW LEVEL RESIDENTIAL VEHICULAR DRIVEWAY.



EXCAVATORS SHOULD ALWAYS USE THE BYD SERVICE BEFORE COMMENCING ANY WORKSITE ACTIVITY. IT IS FREE TO LODGE AN ENQUIRY VIA OUR WEBSITE WWW.BYDA.COM.AU OR SMARTPHONE APPS.

## LEGEND.



AUSTROADS 2013 STANDARD CAR 3.05m WHEELBASE 120mm GROUND CLEARANCE

## PALM ROAD

6100

19.30

13.24

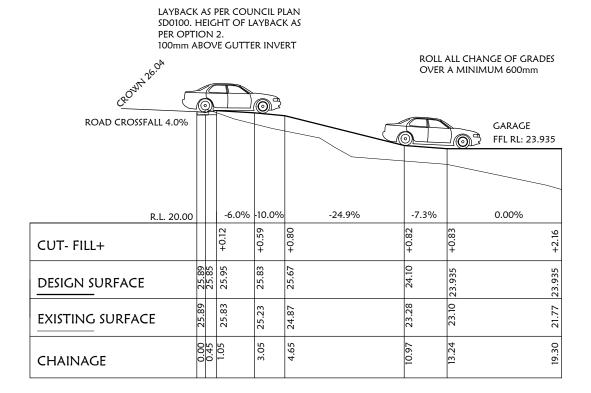
9.94

4.65

3.05

1.05

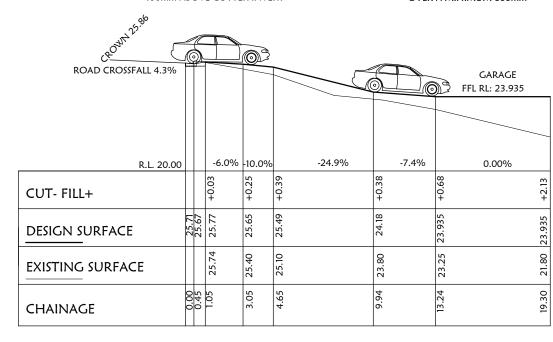
GARAGE FFL RL: 23.935



DRIVEWAY LONGITUDINAL SECTION "A" (CRITICAL WHEEL PATH)

Scale Horizontal 1:200 A3 Vertical 1:200 A3 LAYBACK AS PER COUNCIL PLAN SD0100. HEIGHT OF LAYBACK AS PER OPTION 2. 100mm ABOVE GUTTER INVERT

**ROLL ALL CHANGE OF GRADES** OVER A MINIMUM 600mm



DRIVEWAY LONGITUDINAL SECTION "B" (CRITICAL WHEEL PATH)

Design

B.A

Scale Horizontal 1:200 A3 Vertical 1:200 A3

STRUCTURAL CIVIL MECHANICAL **ACOUSTIC** 

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**Driveway Design** 

Project Address 32 Palm Road Forster, N.S.W 2428 Drawing Title Plan Longitudinal Sections

> Client P.Penman

Checked

16/08/2024

Size Scale A3 1:200

M24185

Project No.

S.10

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