

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 x 321mm/h x 40m² / 3600 = 3.6L/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:?)

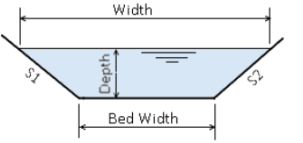
50

Bed Width (mm)

10

Mannings 'n'

0.015



Mannings 'n' (Typical Values)

- Mowed Grass - 0.025
- Concrete - 0.015
- Asphalt - 0.016
- Rocks - 0.035

Press to Calculate (or press 'Enter')

Channel Size

Water Surface Width (mm)

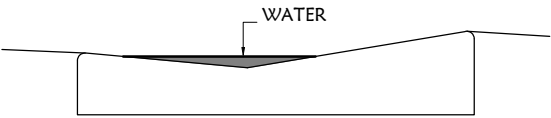
486.000

Depth (mm)

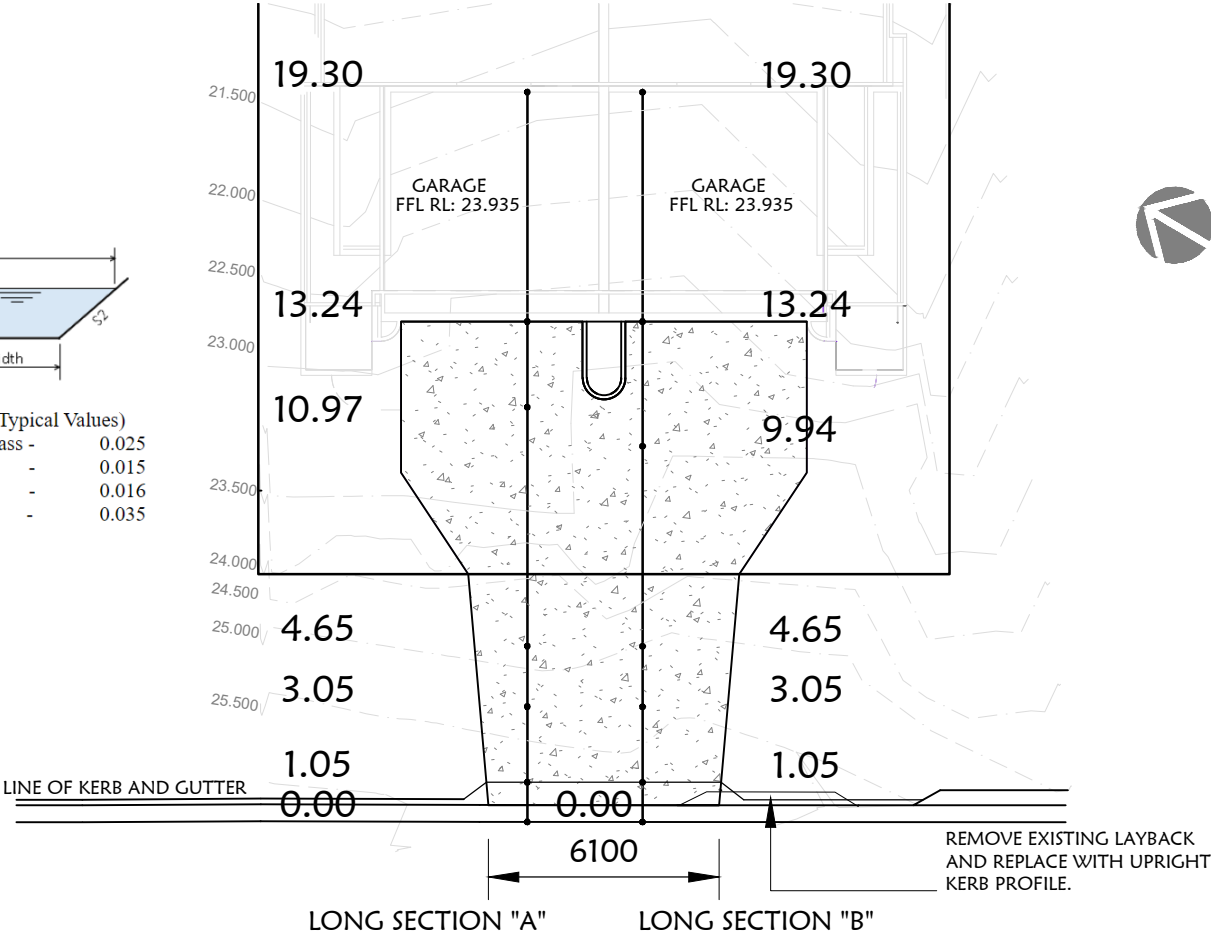
28.0000

Flow Velocity (m/s)

0.55



GUTTER WIDTH OF FLOW.
SCALE 1:10



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.

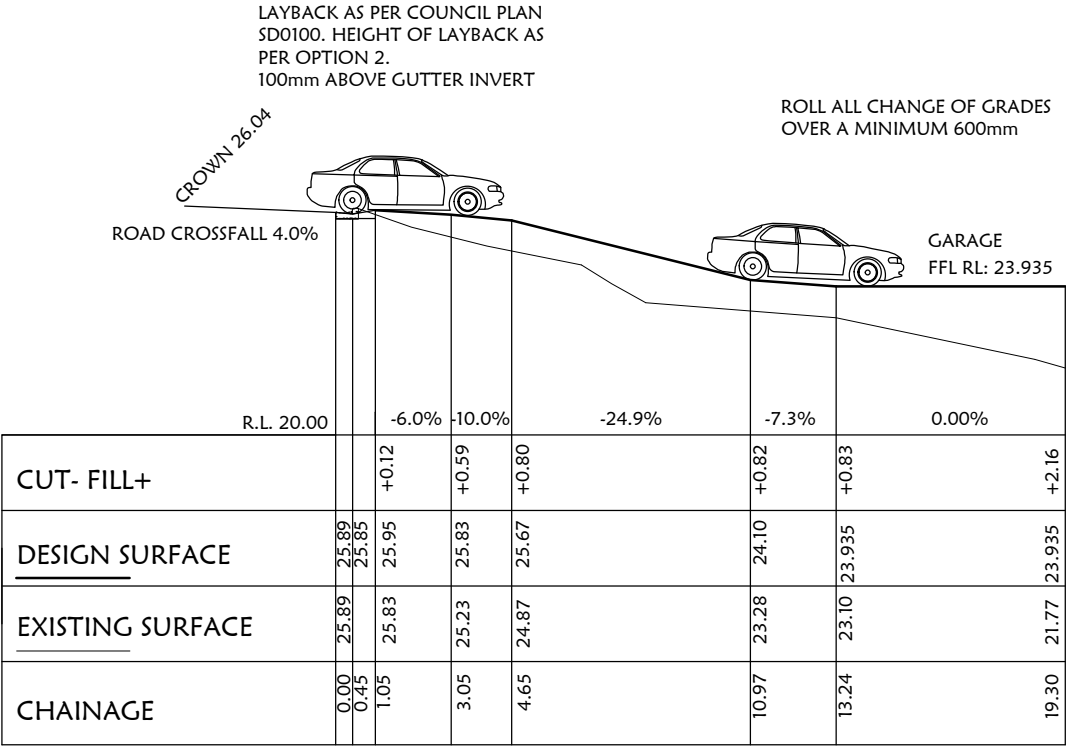


EXCAVATORS SHOULD ALWAYS USE THE BYD SERVICE BEFORE COMMENCING ANY WORKSITE ACTIVITY. IT IS FREE TO LODGE AN ENQUIRY VIA OUR WEBSITE WWW.BYDA.COM.AU OR SMARTPHONE APPS.

LEGEND.

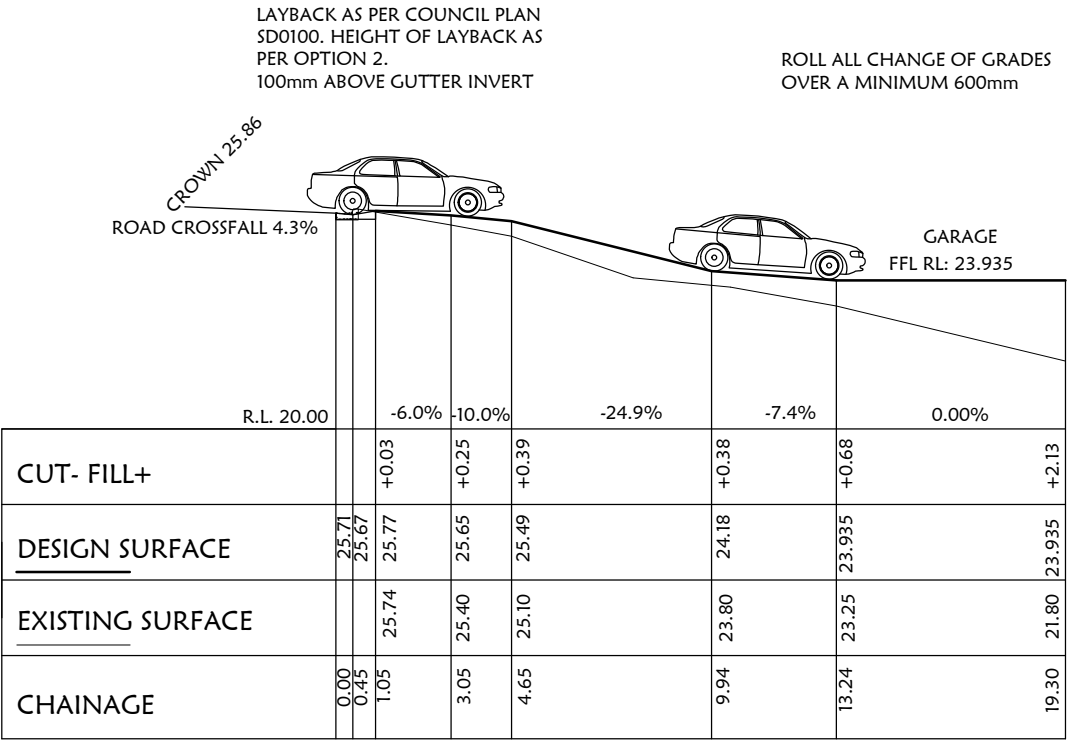
AUSTROADS 2013 STANDARD CAR
3.05m WHEELBASE
120mm GROUND CLEARANCE

PALM ROAD



DRIVEWAY LONGITUDINAL SECTION "A" (CRITICAL WHEEL PATH)

Scale Horizontal 1:200 A3
Vertical 1:200 A3



DRIVEWAY LONGITUDINAL SECTION "B" (CRITICAL WHEEL PATH)

Scale Horizontal 1:200 A3
Vertical 1:200 A3



STRUCTURAL CIVIL MECHANICAL ACOUSTIC

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Project
Driveway Design

Project Address
32 Palm Road
Forster, N.S.W 2428

Drawing Title
Plan Longitudinal Sections

Client
P.Penman

Design
E.B

Checked
P.T

Size
A3

Scale
1:200

Drawn
B.A

Date
16/08/2024

Project No.
M24185

Sheet No.
S.10

Rev.
B