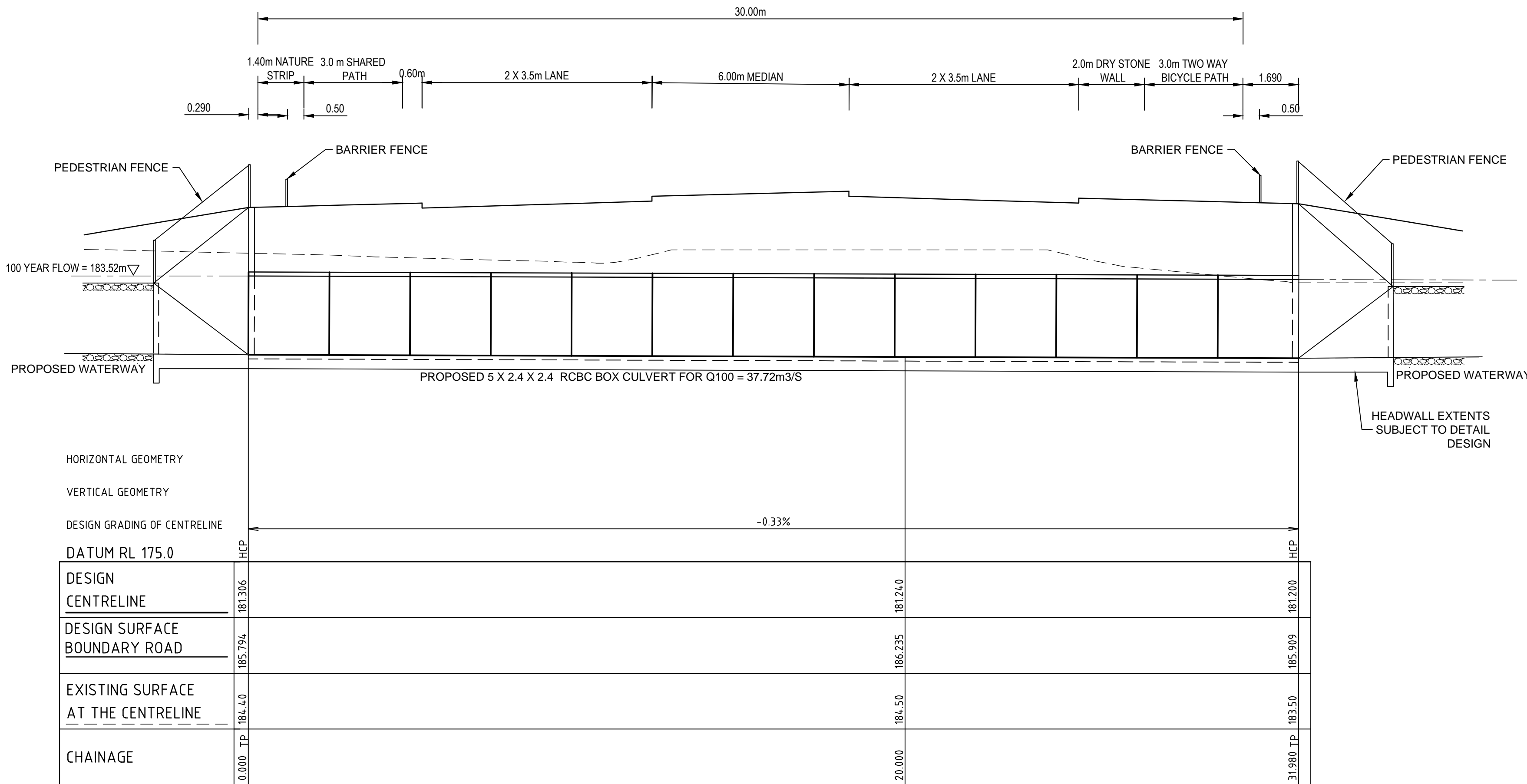
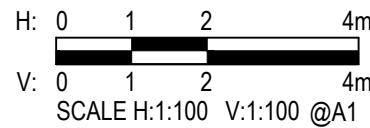


NOTE: PEDESTRIAN FENCE ON OUTLET OMITTED FOR CLARITY

OUTLET ELEVATION 1 NTS



PROPOSED CULVERT- SECTION 2



CULVERT - FINDON WEST TRIBUTARY D

PROPOSED CULVERT SIZE = 5 X 2.4 X 2.4 m RCBC (AS PER REVISED WOLLERT IWM SUMMARY REPORT REV C)
Q100 = 19.73 m³/s (FINDON WEST TRIBUTARY D) + 17.99 m³/s (MAJOR DRAINAGE PIPE) = 37.72 m³/s
CAPACITY = 43.20 m³/s (ASSUMED V = 1.30m/s)

LEGEND		
	PSM	PERMANENT SURVEY MARK
	TBM	TEMPORARY BENCH MARK
		PROPOSED SURFACE CONTOUR
		EXISTING SURFACE CONTOUR
		CENTRELINE OF ROAD
		PROPOSED BATTER
		PROPOSED CENTRELINE OF WATERWAY
		PROPOSED CULVERT

WARNING

BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

LEGEND		
		EXISTING SURFACE
		DESIGN SURFACE

GENERAL NOTES:

- WATERWAY PROFILE AND CULVERT DESIGN BASED ON WOLLERT IWM SUMMARY REPORT REVISION C.
- ROAD GEOMETRY IS BASED ON DESIGN SPEED OF 60km/hr
- PROPOSED ROAD BARRIERS HAVE BEEN DESIGNED WITH NO CONSIDERATION OF OTHER HAZARDS LIKE TRESS OR DRY STONE WALL.
- TRAFFIC FUNCTIONAL LAYOUT HAS BEEN PROVIDED BY CARDNO TRAFFIC
- CONCEPT VERTICAL ALIGNMENT FOR COST ESTIMATION PURPOSES ONLY. FINAL LEVELS SUBJECT TO DETAIL DESIGN.
- NO SERVICES HAVE BEEN PROVIDED OR DBYD INVESTIGATION UNDERTAKEN.

Rev.	Date	Description	Des.	Verif.	Appd.
3	18/12/2014	REVISED AS PER COUNCIL COMMENTS	NS	MF	MF
2	15/12/2014	ISSUED FOR COST ESTIMATE PURPOSE ONLY	NA	MA	MF
1	12/12/2014	ISSUED FOR COST ESTIMATE PURPOSE ONLY	NS	MA	MF

© Cardno Limited All Rights Reserved.
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



Drawn	NS	Date	10/12/2014
Checked	MA	Date	12/12/2014
Designed	NS	Date	10/12/2014
Verified		Date	
Approved			

Client	A V JENNINGS
Project	WOLLERT PSP CRAIGIEBURN ROAD WOLLERT
Title	CIVIL SITEWORKS BOUNDARY ROAD- PROPOSED CULVERT PLAN AND LONGITUDINAL SECTION

Status	PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES		
	Melways Ref 389 B9	Scale AS SHOWN	Size A1
Drawing Number	CG140690-CI-1002		Revision 3