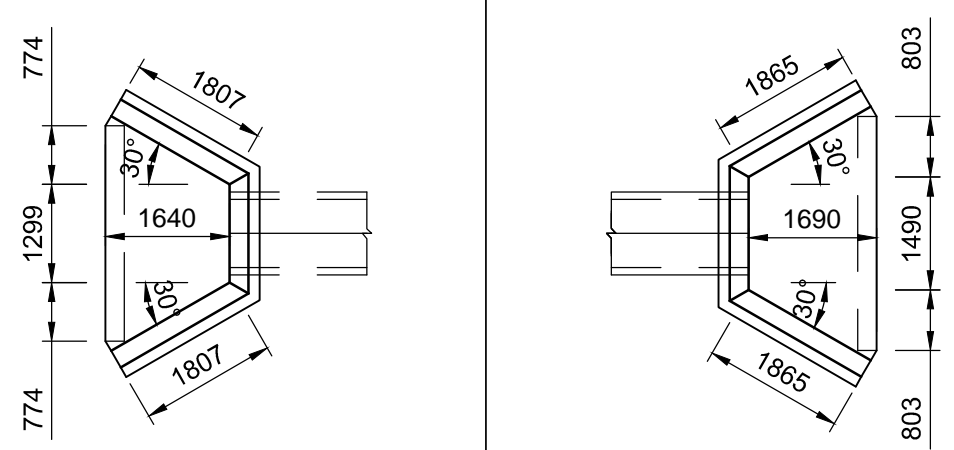


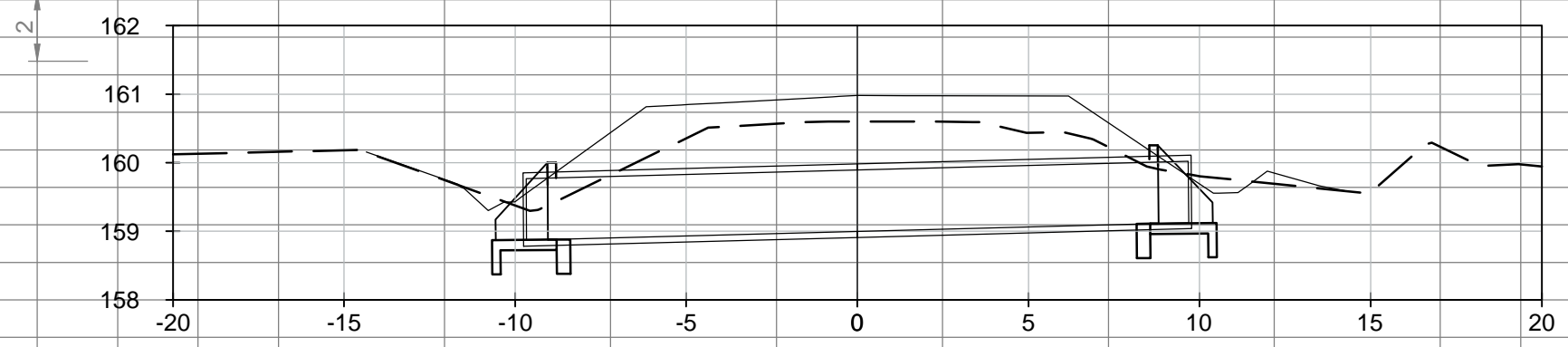
CULVERT														PLAN OF IN / OUTLET STRUCTURES	
ITEM NO	POSITION (m)	ANGLE	NUMBER, SIZE AND TYPE	BEDDING TYPE	DESIGN FLOOD					BACKED-UP WATER LEVEL		OUTLET VELOCITY FOR Q	OUTLET PROTECTION TYPE		
					AREA (ha)	FREQUENCY	Q10	Q20	NATURAL FLOW LEVEL	NATURAL VELOCITY	Q10			Q20	
1/1	1381.50	136	1 / 900 PC - SPIGOT AND SOCKET Class 100D	Class C	36	1:10	0.73	0.82	-	-	0.72	0.76	0.96	-	



LONGITUDINAL SECTION OF CULVERT

NOTE: THE LONGITUDINAL SECTION IS SHOWN THROUGH THE CENTRELINE OF THE PIPE OR BOX CULVERT

TC1(mm)	TC2(mm)	HH(mm)	TW(mm)	HF1(mm)	a 1	≤ 2	TC1(mm)	TC2(mm)	HH(mm)	TW(mm)	HF2(mm)	a 1	≤ 2
500	500	1120	-	915	30	30	500	500	1145	-	910	30	30



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All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.


The reference made to Engineer will also refer to Employer's Agent for GCC 2015 Contracts

REV	DESCRIPTION	DATE	REV BY	CHKD
A	ISSUED FOR INFORMATION	18-03-06	NL	RS

REVISIONS

DESIGNED	AL
DRAWN	NL
CHECKED	RS

CONSULTING ENGINEERS



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PROJECT

UPGRADING OF DIVISIONAL ROAD 1103

TITLE

DETAILS OF CULVERT AT SV 1381.5

SCALE on A3 SHEET

1:200 1 OF 1

CONTRACT No. PROJECT No.

C14003 C14003

DRAWING No. REV

14003-C-005-01 A

COORDINATE SYSTEM: WGS84 / Lo19°