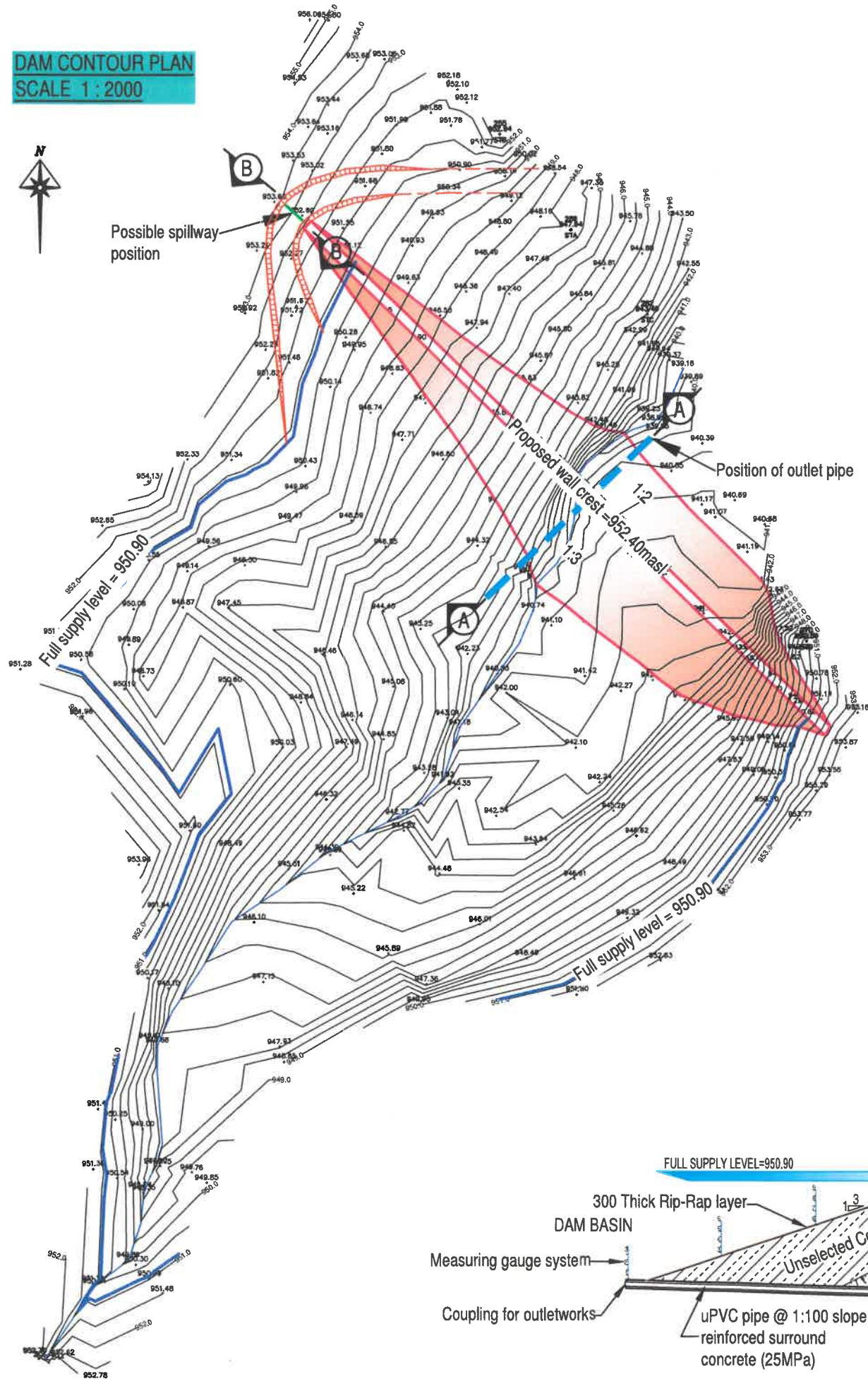
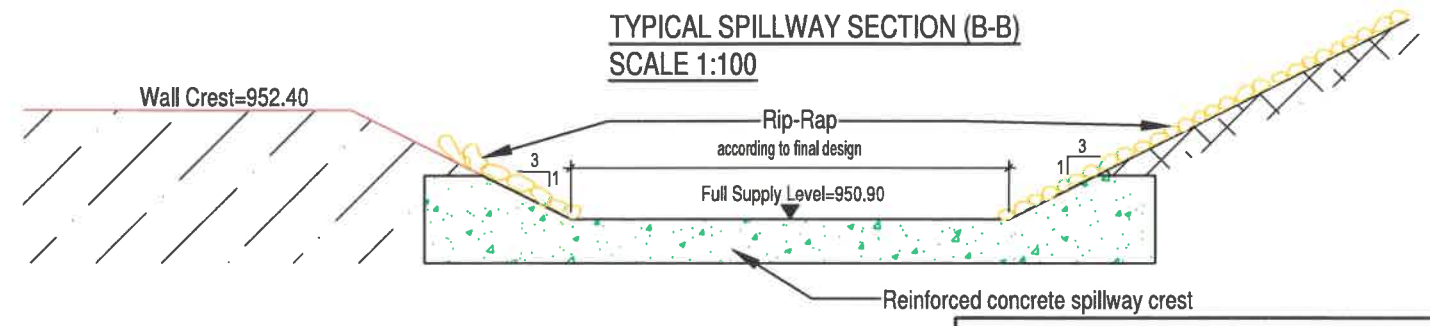


DAM CONTOUR PLAN
SCALE 1 : 2000

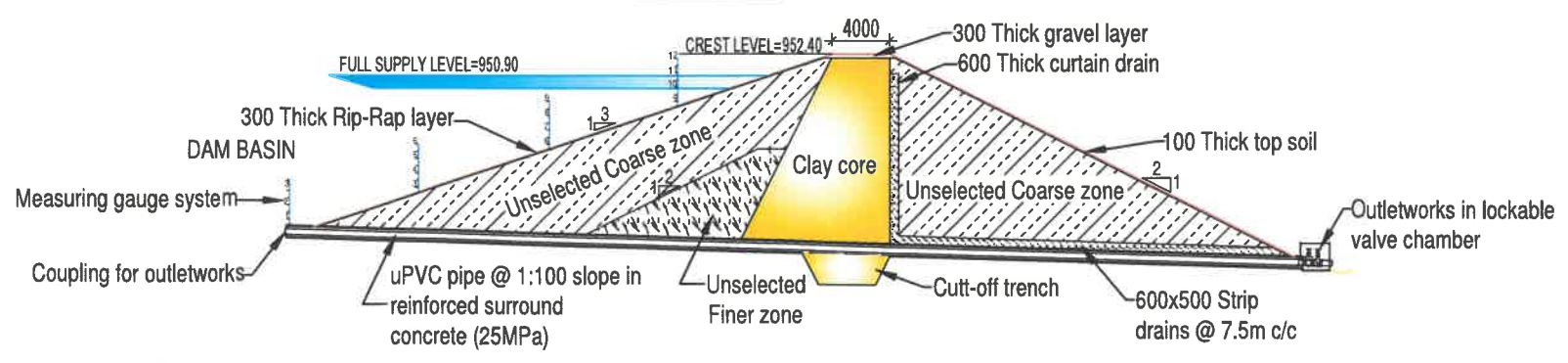


TECHNICAL INFORMATION: HARMONY 266 DAM	
Wall crest level	: 952.40 masl
Wall crest width	: 4.00 m
Wall crest length	: 281.00 m
Lowest ground level at embankment toe	: 939.60 masl
Maximum wall height	: 12.80 m
Upstream slope	1V : 3.00 H
Downstream slope	1V : 2.00 H
Embankment earthfill: cut-off trench excl.	: ±47 500 m ³
Total estimated earthfill	: ±52 800 m ³
Full supply level	: 950.90 masl
Total freeboard	: 1.50 m
Netto storage capacity	: 250 000 m ³
Flooded area	: 5.40 ha
Dam footprint area	: ±6.50 ha

TYPICAL SPILLWAY SECTION (B-B)
SCALE 1:100



TYPICAL SECTION THROUGH EMBANKMENT (A-A)
SCALE 1:500



REVISION

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SAREL BESTER ENGINEERS
Consulting Civil Engineers
Architectural Service

..... Date: 23/2/2018
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PROJECT:
PROPOSED NEW HARMONY 266 DAM ON THE
FARM HOUDENBEK, KOUEBOKKEVELD,
CERES

DETAIL:
Contour Plan, Embankment Cross Section &
Spillway Section

DRAWN	DATE	SCALE	SHEET
SC Hartzenberg	FEB. 2018	as shown	1 of 1
SURVEYED	DESIGNED	DWG. NUMBER	REV.
D. Willemsse	Sarel Bester Engineers	1618-S2-01	

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