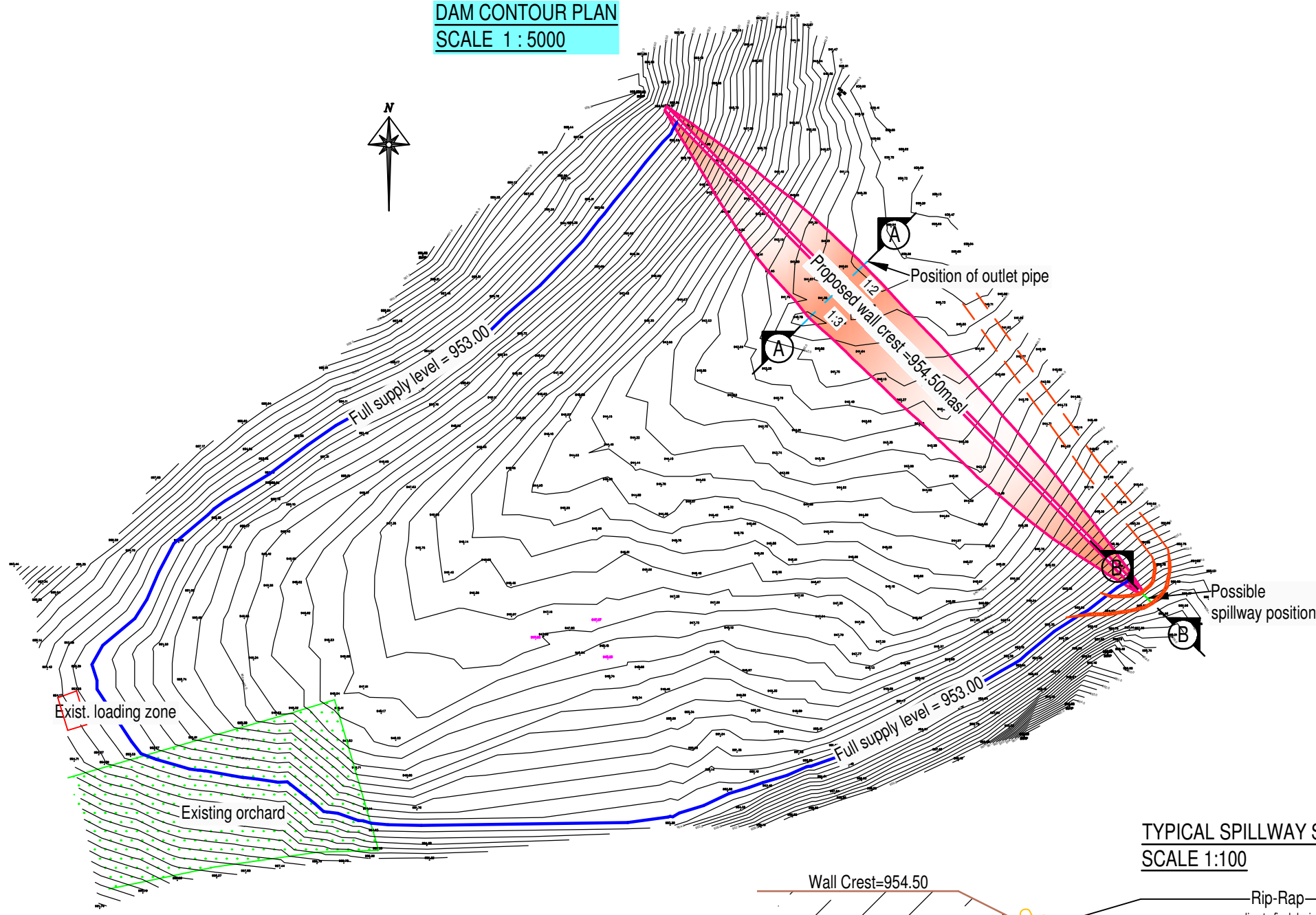


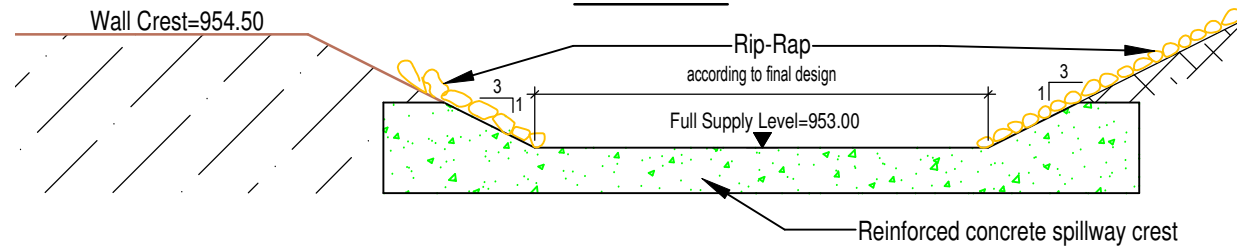
DAM CONTOUR PLAN
SCALE 1 : 5000



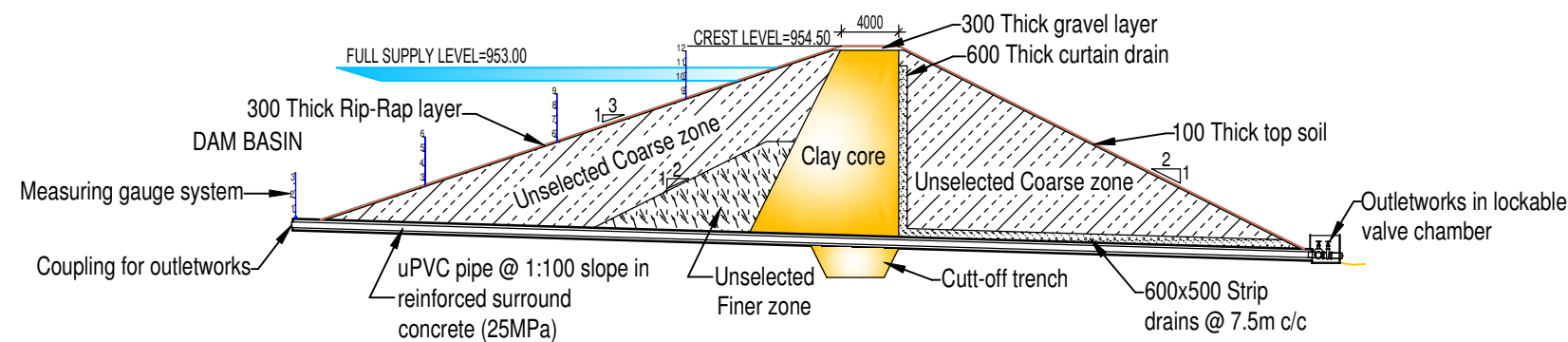
TECHNICAL INFORMATION: TOEKA DAM

Wall crest level	: 954.50 masl
Wall crest width	: 4.00 m
Wall crest length	: 652.00 m
Lowest ground level at embankment toe	: 940.40 masl
Maximum wall height	: 14.10 m
Upstream slope	1V : 3.00 H
Downstream slope	1V : 2.00 H
Embankment earthfill: cut-off trench excl.	: ±180 500 m ³
Total estimated earthfill	: ±192 730 m ³
Full supply level	: 953.00 masl
Total freeboard	: 1.50 m
Netto storage capacity	: 2 000 000 m ³
Flooded area	: 36.90 ha
Dam footprint area	: ±40.00 ha

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



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



REVISION

SAREL BESTER ENGINEERS
Consulting Civil Engineers
Architectural Service

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PROJECT:
PROPOSED NEW TOEKA 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	1619-S2-01	