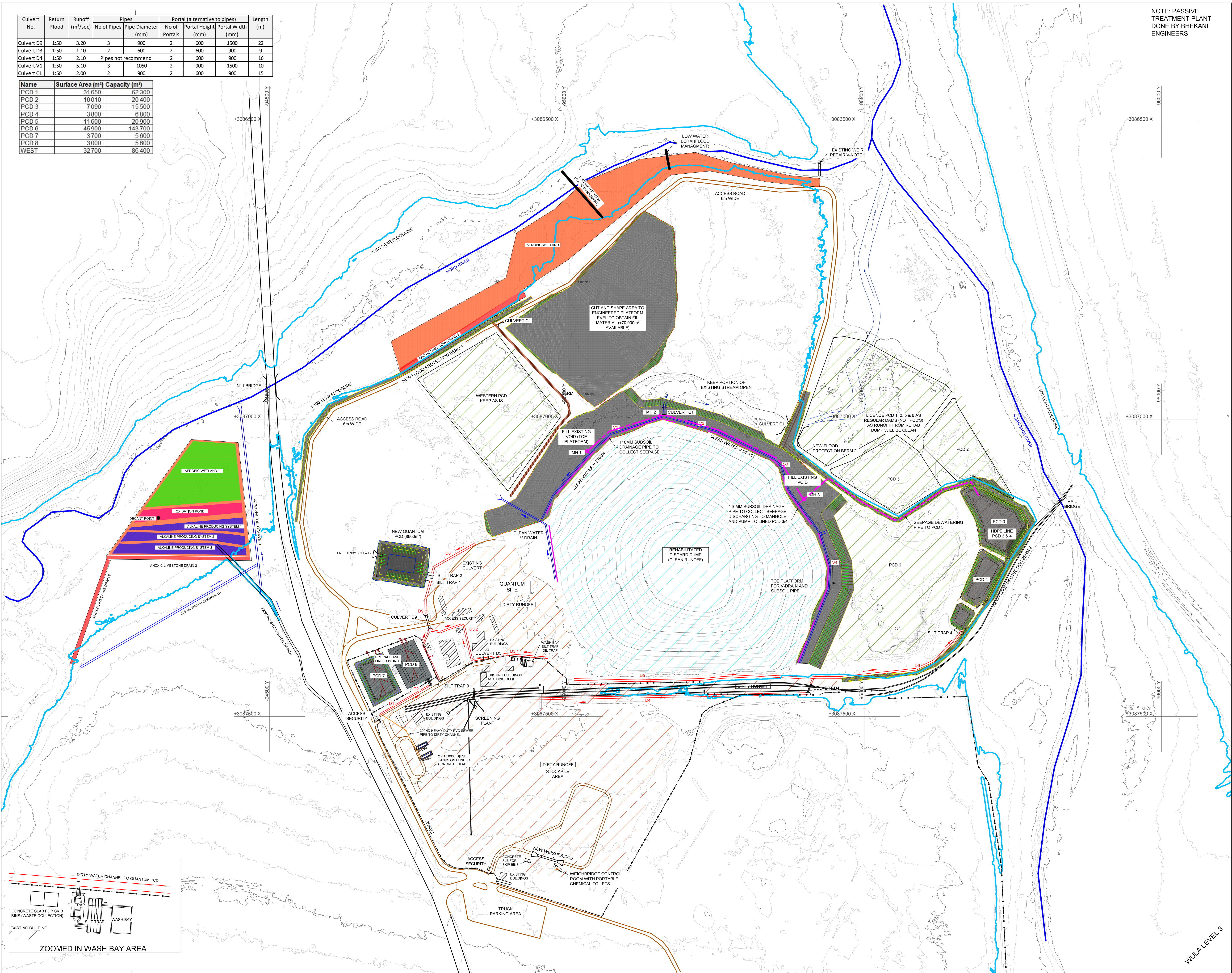
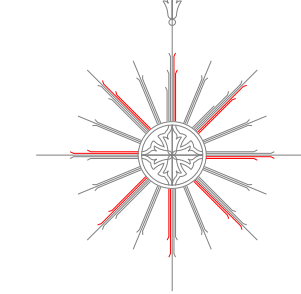
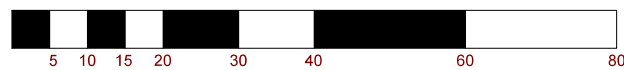


Culvert No.	Return Flood	Runoff (m³/sec)	Pipes		Portal (alternative to pipes)			Length (m)
			No of Pipes	Pipe Diameter (mm)	No of Portals	Portal Height (mm)	Portal Width (mm)	
Culvert D9	1:50	3.20	3	900	2	600	1500	22
Culvert D3	1:50	1.10	2	600	2	600	900	9
Culvert D4	1:50	2.10	Pipes not recommend		2	600	900	16
Culvert V1	1:50	5.10	3	1050	2	900	1500	10
Culvert C1	1:50	2.00	2	900	2	600	900	15

Name	Surface Area (m²)	Capacity (m³)
PCD 1	31 650	62 300
PCD 2	10 010	20 400
PCD 3	7 990	15 500
PCD 4	3 800	6 800
PCD 5	11 800	20 900
PCD 6	45 900	143 700
PCD 7	3 700	5 600
PCD 8	3 000	5 600
WEST	32 700	86 400



General Notes



Projection:
DATUM: WGS84 ; LO 29

References

Drawing No.	Title

Designed by:	Drawn by:	Approved by:
B MUHL	B MUHL	F KRUGEL

Amendments

NO	Chk	Done	Date	Description
1.	FK	BM	19/03/26	Siding & passive treatment
2.	BM	BM	9/04/26	Diesel

Consultant:
CESA



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Approvals:

B. Muhl

10/04/2026

Engineer (BD Muhl Pr Eng (Civil)
ECSA 202604247):

Client:

KANGRA

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Approvals:

Client: _____ Date _____

Project Name:

BALLENGEICH

Drawing Description:

MASTER LAYOUT PLAN

Scale: 1:3000	A1	Plot Date: 9/04/2026
Project N°: G2025/06/338		Drawing Sequence N°: G2025/06/338 - 100 Rev2