

NOTES: BONATHABA DAM - OPTION 2

1. NOCL: 108.0 m
2. FSL: 107.0 m
3. FREEBOARD: 1 m
4. WATER SURFACE AREA AT FSL: 15.5 ha
5. GROSS CAPACITY: 1 000 000 m³
6. CREST LENGTH: 490 m
7. CREST WIDTH: 4.0 m
8. MAX WALL HEIGHT: 18.0 m
9. UPSTREAM SLOPE: 1V:3H
10. DOWNSTREAM SLOPE: 1V:2H
11. MIN BASIN STORAGE LEVEL: 92.0 m
12. DOWNSTREAM TOE LEVEL: 90.0 m
13. OUTLET PIPE: 500mm Ø HDPE CLASS PE100 PN8

ADDITIONAL NOTES:

14. CONTOUR INTERVAL 0.5 m
15. PROJECTION: WGS 84/ Lo 19

14. ABBREVIATIONS
- NOCL = NON-OVERSPILL CREST LEVEL
 - FSL = FULL SUPPLY LEVEL
 - NGL = NATURAL GROUND LEVEL

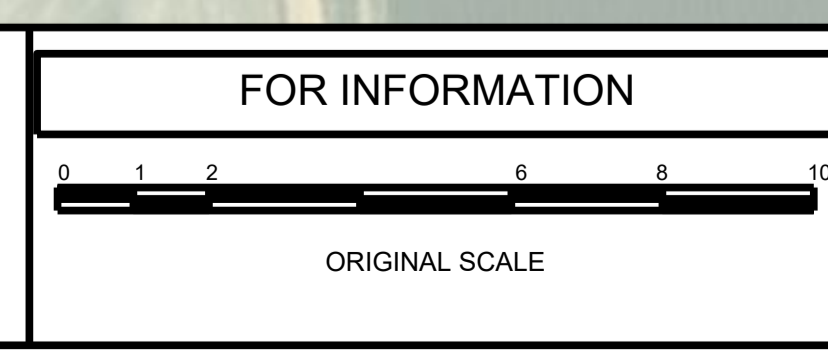


**BONATHABA DAM
PLAN LAYOUT OF OPTION 2
SCALE 1:2 000**

THE MASTER HELD AT INGEROP OFFICE
BEARS THE ORIGINAL SIGNATURE OF APPROVAL

No.	DATE	REVISION	CONSULT. ENG.
A	11/05/20	FOR INFORMATION	DJ HAGEN

NOTES



GENERAL NOTES

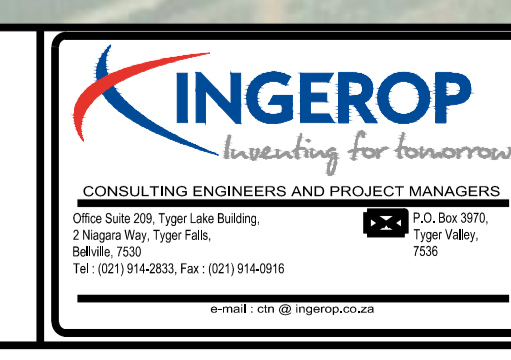
NO DIMENSION OR LEVEL TO BE SCALED OFF THIS DRAWING

ALL DIMENSIONS AND LEVELS TO BE CONFIRMED PRIOR TO CONSTRUCTION

THE POSITION OF ALL EXISTING SERVICES ARE TO BE OBTAINED FROM THE MUNICIPAL AUTHORITIES AND IF UNKNOWN THE EXACT POSITION SHALL BE DETERMINED BY CAREFUL HAND EXCAVATION.

CLIENT

BLACK ORCHID FARMING (PTY) LTD



BONATHABA DAM, WELLINGTON

PLAN LAYOUT OF PROPOSED OPTION 2

SCALE: AS SHOWN DRAWING SIZE: A1

DESIGNED BY H BOTHA PROF REG NO.	DRAWING CHECKED BY DJ HAGEN PROF REG NO.
DRAWN BY H BOTHA PROF REG NO.	APPROVED BY DJ HAGEN PROF REG NO.
PROJECT No. AA158200	DATE MAY 2020
DRG No. AA158200-DA-WA-LA-01-003	REV No. A