



STORAGE (x 1000m³)	WATER DEPTH	FULL SUPPLY LEVEL (FSL)	FLOODED AREA (m²)	CREST LENGTH (m)	ESTIMATE VOLUME OF CONCRETE (m³)
40.905	10m	100.42	13622.304	55.373	3964.472

GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
- ALL ELEVATIONS ARE IN METERS ABOVE MEAN SEA LEVEL.
- ALL SECTIONS OF THE SPILLWAY, GRAVITY WALL INTAKE AND STILLING BASIN SHALL BE FOUNDED ON ROCK PREPARED AS SPECIFIED AND AS APPROVED BY THE ENGINEER. IN THE CROSS SECTIONAL DIRECTION, THE FOUNDATION SHOULD BE PREFERABLY LEVEL OR SLOPING DOWNWARDS TOWARDS THE UPSTREAM FACE, WHERE APPROPRIATE. THE FOUNDATION MAY BE EXCAVATED IN SUITABLE SLOPES AS SHOWN ON THE DRAWINGS OR AS APPROVED BY THE ENGINEER.
- CONCRETE GRADES SHALL BE AS FOLLOWS;
 - 15MPa/38mm TO GRAVITY WALLS;
 - 25MPa/38mm TO OGEE CREST;
 - 25MPa/38mm TO STILLING BASIN SLAB, WALLS AND RETURN CHANNEL WALLS;
 - 30MPa TO SHOTCRETE WALLS.
- CONCRETE COVER TO REINFORCEMENT TO BE 80mm UNLESS OTHERWISE SHOWN.
- PREPARED ROCK SURFACES AND HORIZONTAL CONSTRUCTION JOINTS SHALL RECEIVE 10mm BEDDING MORTAR CONSISTING OF CEMENT AND SAND MIXED IN THE SAME PROPORTIONS AS THAT IN THE CONCRETE TO BE PLACED ON TOP OF THE MORTAR.
- CONCRETE FINISHES SHALL BE AS FOLLOWS;
 - SMOOTH TO SURFACES EXPOSED TO VIEW.
 - ROUGH TO SURFACES AGAINST WHICH BACKFILL OR FURTHER CONCRETE IS TO BE PLACED.
- CONSTRUCTION JOINTS ELEVATION SHALL BE TO SUIT THE CONTRACTORS CONSTRUCTION METHOD APPROVED BY THE ENGINEER.
- WATERSTOP OF APPROVED MAKE SHALL BE BUILT INTO THE CONCRETE WORK AT CONSTRUCTION JOINTS WHERE SHOWN ON THE DRAWINGS. THE WATERSTOP SHALL BE HELD IN CORRECT POSITION AND ALIGNMENT DURING CONCRETING.
- ALL EXPOSED CONCRETE CORNERS SHALL HAVE 40mm CHAMFERED EDGE OR AS SHOWN ON THE DRAWINGS.
- SIZE OF HOLES;
 - 38mm DIAMETER FOR CONSOLIDATION HOLES;
 - 38mm DIAMETER FOR CURTAIN HOLES;
 - 70mm DIAMETER FOR SPILLWAY DRAINAGE HOLES

LEGEND

NGL	—	NEATURAL GROUND LEVEL
MASL	—	METRES ABOVE SEA LEVEL
FL	—	RELATIVE LEVEL (IN MASL)
NOC	—	NON OVERSPILL CREST
FSL	—	FULL SUPPLY LEVEL
RC	—	REINFORCED CONCRETE
CJ	—	CONSTRUCTION JOINT

REV.	DESCRIPTION	DATE

Checked by Registered Professional
Name R. Cize Date 30-10-2025
Signature [Signature]
Client

OUTENIQUA GAME FARM

Consultant	 120 Villiers Road Waterloo Port Elizabeth 6001 Tel: 041 582 3835 Fax: 041 582 3429 info@ggengs.co.za	P.O. Box 12510 Central 60 Port Elizabeth 6006
------------	--	--

OUTENIQUA FARM DAM

Drawing Description
DAM – FLOODED AREA

Designed: R. Cize	Checked: P. COUWS
Drawn: P. Bester	Approved: R. Cize
Scale: AS SHOWN	Date: 2025 / 10 / 30
Consultant Drawing Number 2025/DAM/C/L/009	Revision 00 Paper Size A1