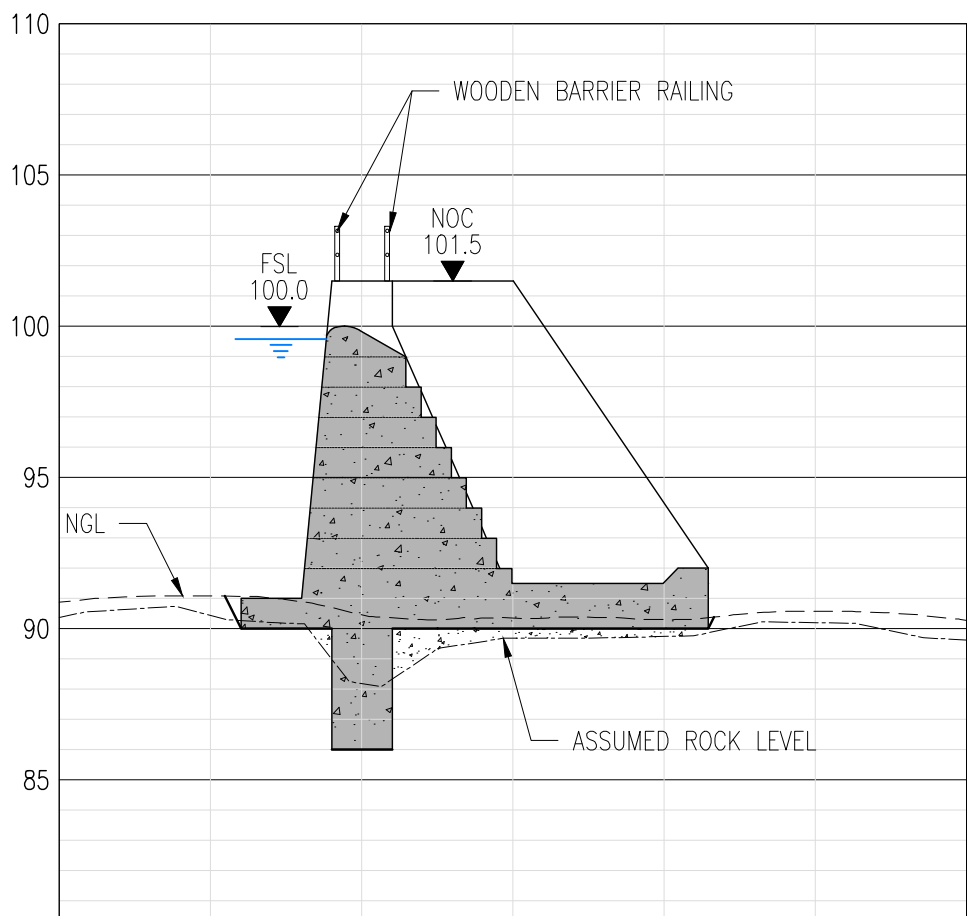


LEGEND:
----- GROUND LEVEL
----- EXCAVATION LEVEL

SCALES:
Horizontal 1:250
Vertical 1:250

DATUM 80.000

DISTANCE (m)		5	10	15	20	25
GROUND LEVELS		91.083	90.482	90.349	90.303	90.579
EXCAVATION LEVELS			86.000	90.000	90.000	90.250
CUT / FILL			-4.462	-0.349	-0.303	0.000



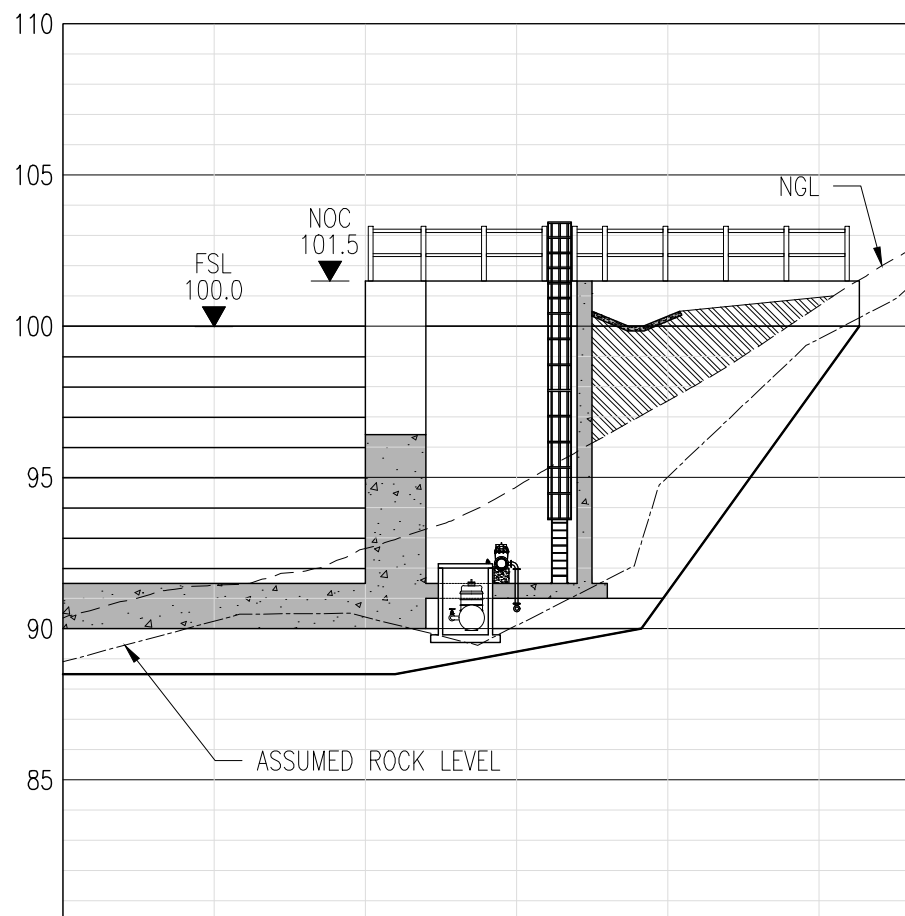
LONGSECTION SECTION B-B
FROM 0.000 TO 30.000

LEGEND:
----- GROUND LEVEL
----- EXCAVATION LEVEL
----- ASSUMED ROCK LEVEL

SCALES:
Horizontal 1:250
Vertical 1:250

DATUM 80.000

DISTANCE (m)		5	10	15	20	25
GROUND LEVELS		91.447	92.681	94.687	97.536	100.679
EXCAVATION LEVELS		88.500	88.500	89.241	91.219	98.155
CUT / FILL		-2.947	-4.151	-5.456	-6.317	-2.524



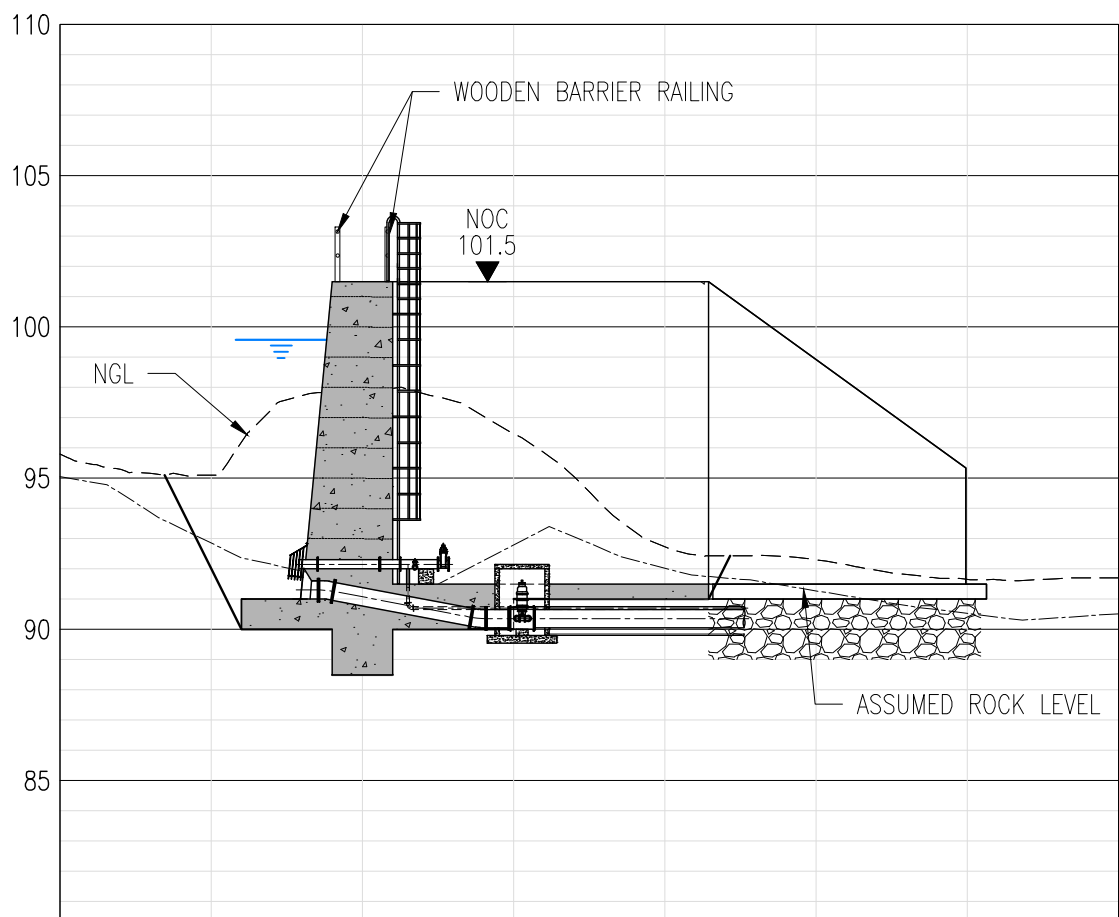
LONGSECTION SECTION D-D
FROM 0.000 TO 28.000

LEGEND:
----- GROUND LEVEL
----- EXCAVATION LEVEL

SCALES:
Horizontal 1:250
Vertical 1:250

DATUM 80.000

DISTANCE (m)		5	10	15	20	25	30
GROUND LEVELS		95.092	97.876	96.470	92.725	92.306	91.650
EXCAVATION LEVELS		92.006	88.500	91.000	91.000	92.143	
CUT / FILL		-3.086	-9.376	-5.470	-1.725	0.000	0.000



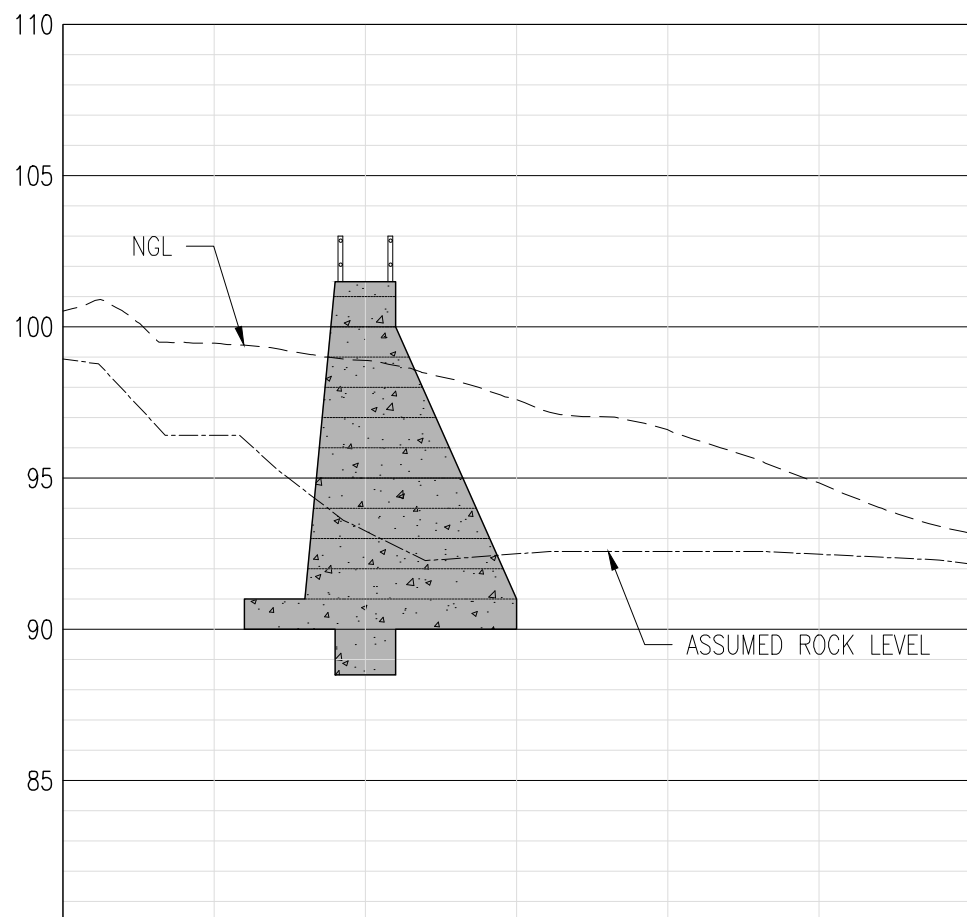
LONGSECTION SECTION C-C
FROM 0.000 TO 35.000

LEGEND:
----- GROUND LEVEL
----- EXCAVATION LEVEL

SCALES:
Horizontal 1:250
Vertical 1:250

DATUM 80.000

DISTANCE (m)		5	10	15	20	25
GROUND LEVELS		99.456	98.898	97.596	96.590	94.837
EXCAVATION LEVELS		99.456	98.898	97.596	96.590	94.837
CUT / FILL		0.000	0.000	0.000	0.000	0.000



LONGSECTION SECTION E-E
FROM 0.000 TO 30.000

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 OD 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 FOLLOW;
 - 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. Ciza
Signature
Client
30 - 10 - 2025
Date

OUTENIQUA GAME FARM

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OUTENIQUA FARM DAM

Drawing Description
DAM - SECTIONS
Designed: R. Ciza
Drawn: P. Bester
Scale: 1:100
Consultant Drawing Number
2025/DAM/C/L/003
Checked: P. COUWS
Approved: R. Ciza
Date: 2025 / 10 / 30
Revision
00
Paper Size
A1

PRELIMINARY