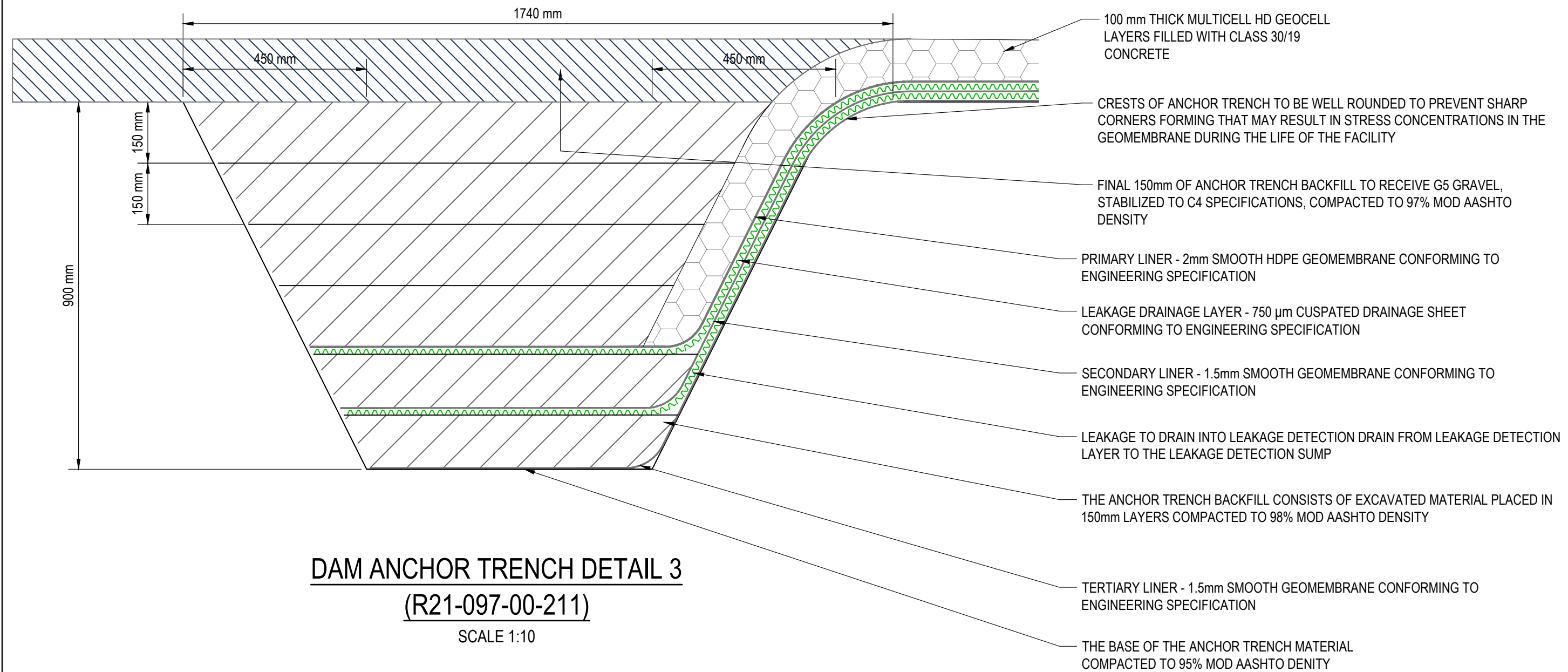


BASE LINER DETAIL 1
SCALE 1:10

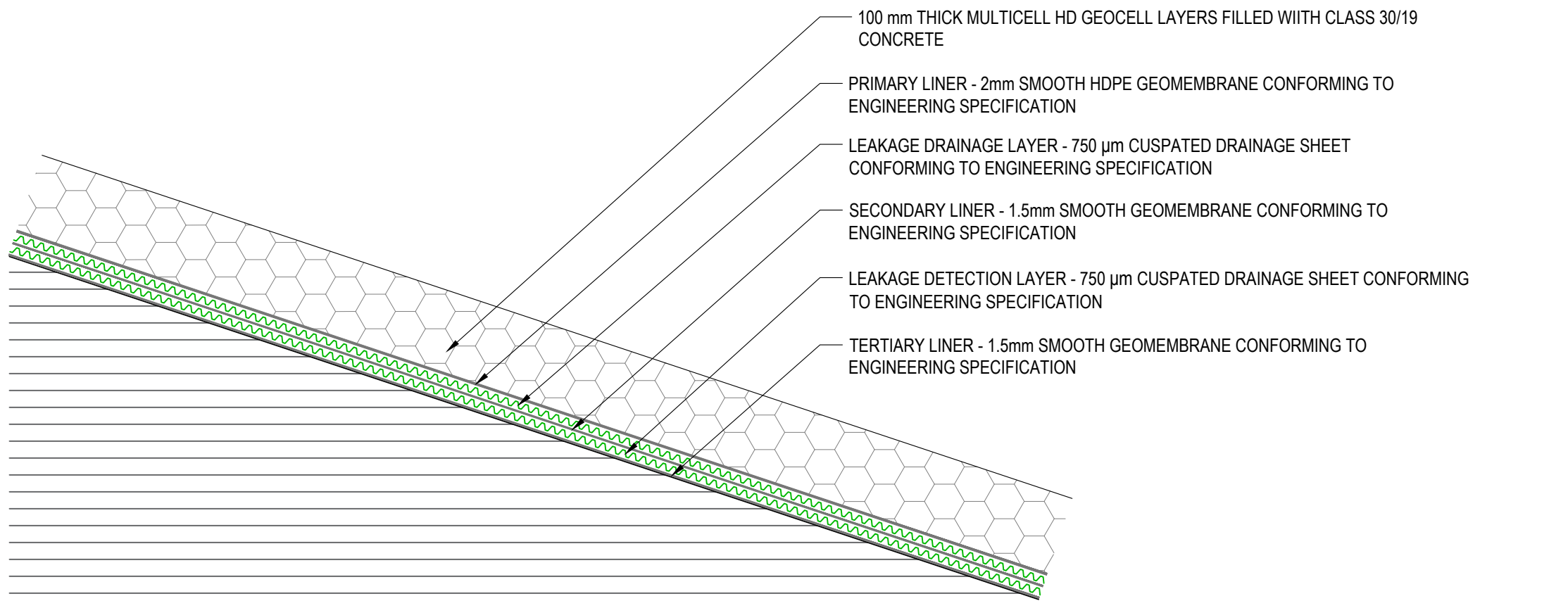
- LEGEND**
- SMOOTH HDPE GEOMEMBRANE CONFORMING TO ENGINEERING SPECIFICATIONS
 - 750 µm CUSPATED DRAINAGE SHEET CONFORMING TO ENGINEERING SPECIFICATION
 - REINFORCED GEOSYNTHETIC CLAY LINER CONFORMING TO ENGINEERING SPECIFICATION
 - PROTECTION AND FILTRATION GEOTEXTILE CONFORMING TO ENGINEERING SPECIFICATION

- LEGEND**
- 100 mm THICK MULTICELL HD GEOCELL LAYER FILLED WITH CLASS 30/19 CONCRETE
 - BACKFILL OF ANCHOR TRENCHES WITH EXCAVATED MATERIAL IN 150mm THICK LAYERS COMPACTED TO 98% STANDARD PROCTOR DENSITY AT -2% TO +2% OMC
 - 150mm BASE LAYER TO BE RIPPED AND RECOMPACTED TO 95% STANDARD PROCTOR DENSITY AT -2% TO +2% OMC
 - 150mm THICK GRAVEL G5 LAYER CONFORMING TO ENGINEER SPECIFICATION AND COMPACTED TO 97% MOD AASHTO DENSITY AND PREPARED TO RECEIVE GEOSYNTHETIC CLAY LINER
 - DRAINAGE STONE CONFORMING TO ENGINEERING SPECIFICATION
 - 150mm G7 MATERIAL COMPACTED TO 93% OF MOD AASHTO DENSITY
 - 150mm IN-SITU MATERIAL COMPACTED TO 100% OF MOD AASHTO DENSITY

- GENERAL NOTE(S)**
- ALL GEOMEMBRANES SHALL BE IN ACCORDANCE WITH SPECIFICATIONS SANS 1526, SANS 10409, GRI-GM10 AND GRI-GM13, UNLESS SPECIFIED OTHERWISE WITHIN THE ENGINEERING SPECIFICATION
 - GEOMEMBRANE SEAMING AND WELDS WILL BE IN ACCORDANCE WITH SANS 10409, GRI-GM9 AND GRI-GM19 OR AS SPECIFIED WITHIN THE ENGINEERING SPECIFICATION
 - CUSPATED DRAINAGE LAYERS (FACING DOWN) WILL BE IN ACCORDANCE WITH SANS 1526 AND THE ENGINEERING SPECIFICATIONS
 - ALL GEOTEXTILES TO BE IN ACCORDANCE WITH GRI-GT 12(a) AND GRI-GT13(a) DEPENDING ON THEIR APPLICATION AS SPECIFIED WITHIN THE ENGINEERING SPECIFICATIONS
 - ALL GEOSYNTHETIC CLAY LINERS WILL BE IN ACCORDANCE WITH GRI-GCL3 OR AS SPECIFIED WITHIN THE ENGINEERING SPECIFICATIONS
 - DURING TENDER AND CONSTRUCTION IF A DISCREPANCY ARISES BETWEEN THE DRAWINGS, SPECIFICATIONS AND BCD DETAIL, THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF THE DISCREPANCY TIMEOUSLY TO ENSURE FORMAL INSTRUCTION CAN BE PROVIDED TO THE CONTRACTOR ON THE APPROPRIATE WAY FORWARD
 - LEAKAGE PIPES ON PRIMARY AND SECONDARY SUMP TO BE FIXED BY PIPE BOOTS.



DAM ANCHOR TRENCH DETAIL 3
(R21-097-00-211)
SCALE 1:10



DAM SIDE SLIPE LINER DETAIL 3 (R21-097-00-211)
SCALE 1:10

NOTES:

C	25/05/2023	11	FOR TENDER
B	24/04/2023	11	DRAWING UPDATED
A	12/03/2023	11	ISSUED FOR INFORMATION
No.	Date	By	Description

REVISIONS
AS BUILT DRAWINGS

TECHNICAL CO-ORDINATOR	ENGINEER
DATE:.....	DATE:.....



Project leader:	Signature :
Date:	

CLIENT DRAWING NUMBER

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SECUNDA
NEWCASTLE
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Designed :	I. INAN	Date:	24/04/2023	Signature :	
Drawn :	B.v.V	Date:	24/04/2023	Signature :	
Checked :	I. INAN	Date:	24/04/2023	Signature :	
Approved: C. Claassens Pr. Eng. 800450		Date:	24/04/2023	Signature :	

PROJECT TITLE
**FOSKOR
RELINING OF STORMWATER DAMS**

PROJECT DESCRIPTION
TECHNICAL DESING OF STORMWATER DAMS

DRAWING TITLE
**TYPICAL DETAILS - SHEET 2
DAM LINER AND ANCHOR TRENCH
DETAILS**

DATE: 31 May 2023	SCALE: AS SHOWN	PAPER SIZE: A1	SHEET NO: 1 OF 1
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CONSULTING ENG. DRAWING NO: R21-097-00-212	Rev C
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