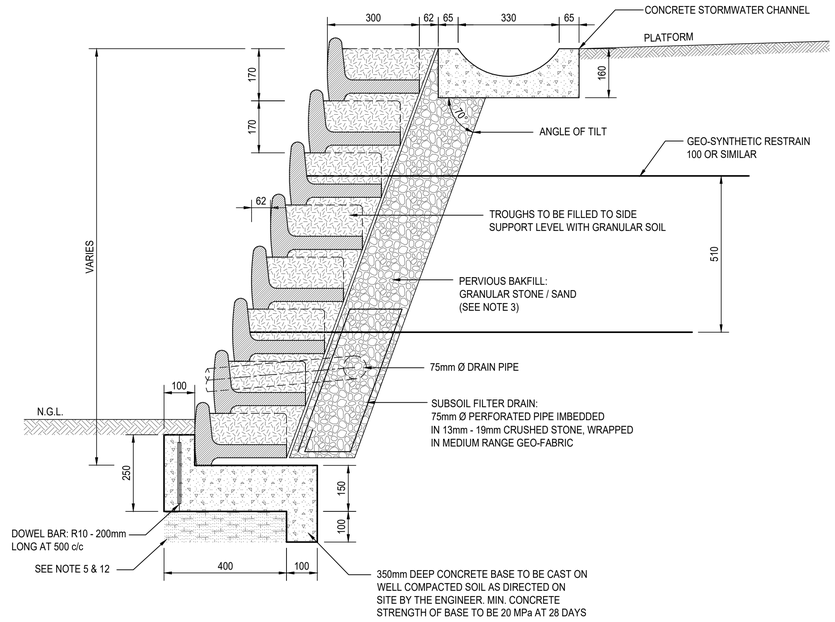
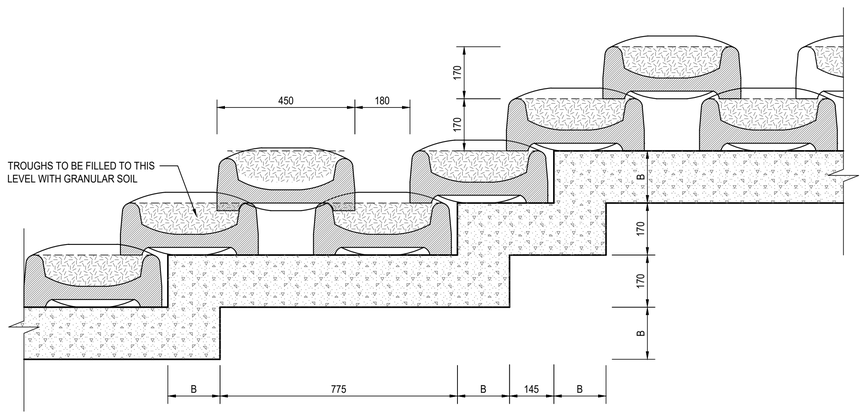


TYPICAL RETAINING WALL DETAIL (LOFFELSTEIN L300)

SCALE 1 : 10

NOTES:

1. RETAINING WALL TO BE CONSTRUCTED OF LoFFELSTEIN PRECAST CONCRETE BLOCKS.
2. BLOCKS PLACED AS SHOWN AND TO BE FILLED WITH TAMPED GRANULAR SOIL.
3. FOR WALLS RETAINING CLAY OR SHALE, PROVIDE A 300 WIDE PERVIOUS SOIL FILLING BEHIND WALL. BACKFILL TO BE WELL RAMMED IN 150mm LAYERS.
4. WHERE CONCRETE NIB IS NOT CAST INTEGRALLY WITH THE BASE, DOWEL BARS ARE TO BE ADDED, AS SHOWN.
5. GROUND UNDER ALL BASES TO BE WELL COMPACTED, PRIOR TO CONSTRUCTING BASE.
6. THE ENGINEER IS TO BE NOTIFIED OF ANY VARIATIONS OF LEVELS OR DIMENSIONS SHOWN.
7. MINIMUM CONCRETE STRENGTH FOR CONCRETE FOUNDATION TO BE 25 MPa AT 28 DAYS.
8. NO WALLS TO ENCROACH OVER BOUNDARY.
9. NO SERVICES OR TRENCHES PERMITTED IMMEDIATELY IN FRONT OF THE RETAINING WALL.
10. PRECAUTIONS TO BE TAKEN TO PREVENT COLLAPSE OF EXCAVATED BANK. REFER TO LOCAL AUTHORITY REQUIREMENTS.
11. NO SUPERIMPOSED LOADING PERMITTED BEHIND WALL, WITHIN A DISTANCE EQUAL TO THE WALL HEIGHT, UNLESS STATED OTHERWISE.
12. FOR FOUNDATION TYPES 2 AND 3 FOUNDED IN CLAY/SHALE IN SITU MATERIAL TO BE EXCAVATED AND REPLACED WITH APPROVED GRANULAR MATERIAL TO A DEPTH OF 300mm BELOW UNDERSIDE OF BASE.



ELEVATION SHOWING STEP VARIATION

SCALE 1 : 10

RETAINING WALL SCHEDULE				
WALL No.		1	2	3
LÖFFELSTEIN TYPE		"500"	"500"	"500"
MAX. HEIGHT "H"		5,000	1,200	0,550
ANGLE OF TILT		70°	70°	70°
OFF-SET *		50mm	50mm	50mm
MAX. ANGLE OF BANK		30°	30°	30°
FOUNDATION TYPE		2	2	1
	A	700	700	700
	B	150	150	150
	C	225	225	-
	D	100	100	-
	E	100	100	-

DO NOT SCALE DRAWING
IF IN DOUBT, REFER TO DRAWING OFFICE

CLIENT PLAN NUMBER: ---

REFERENCE DRAWINGS

NUMBER	DRAWING DESCRIPTION
---	---

APPROVED BY COUNCIL / CLIENT

CITY ENGINEER / CLIENT | REG. NO. | DATE

AMENDMENTS CODE

A-Y / : REPORT/DESIGN/TENDER
0-99 / : CONSTRUCTION
Z / : AS BUILT
/A : BY CLIENT
/B : BY ARCHITECT
/C : BY MECHANICAL OR ELECTRICAL
/D : BY BVi
/E : BY OTHER ()

DATE	INITIAL	CODE	REVISION DESCRIPTION
17-09-21	B.M	A	ISSUED FOR TENDER

CLIENT

SANBI Biodiversity for Life
South African National Biodiversity Institute

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PROJECT: THOHOYANDOU

DRAWING TITLE: NEW ABLUTIONS PLATFORM TYPICAL RETAINING WALL DETAIL

APPROVED BY BVi

ENGINEER/TECHNOLOGIST | REG. NO. | DATE

SCALE	AS SHOWN	DRAWN	M.A TEMBE
DESIGNED	B.M MATYEKA	CHECKED	B.M MATYEKA

PLAN NUMBER	REV. NO.	DATE SAVED
34398-01-160-01-01	A	17/09/2021 BoitumeloM

A1

34398-01-172-01-01-RA

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