

TYPICAL SECTION SHOWING DRY-STACK RETAINING WALL (>0m TO 1m EXPOSED HEIGHT)

TOPMOST ROW -LOCKED WITH 20 MPa

GRADE A4

FOOTING: REINFORCEMENT TO

DETAIL C 25MPa CONCRETE

TYPICAL SECTION SHOWING DRY-STACK

RETAINING WALL (>2m TO 3m EXPOSED HEIGHT)

GEOTEXTILE

MEMBRANE

170x170x15mm STONE

G7 QUALITY MATERIAL

170x170x15mm STONE
WEEPHOLES @ 1,5m CENTRES
HORIZONTAL WRAPPED IN GRADE

eq G7 QUALITY MATERIAL

STABILISED WITH 6%

HORIZONTAL WRAPPED IN GRADE

A2 GEOTEXTILE MEMBRANE.

CEMENT BY VOLUME

170x170x15mm STONE WEEPHOLES @ 1,5m CENTRES

BLOCK INCLINATION

A2 GEOTEXTILE MEMBRANE.

STABILISED WITH 6%

CEMENT BY VOLUME

WEEPHOLES @ 1,5m CENTRES HORIZONTAL WRAPPED IN GRADE

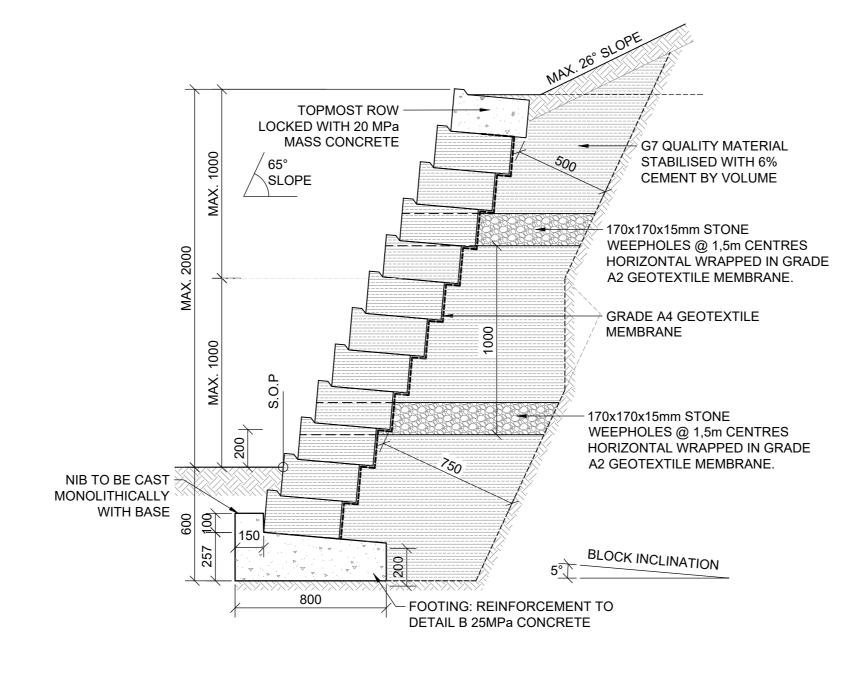
A2 GEOTEXTILE MEMBRANE.

MASS CONCRETE

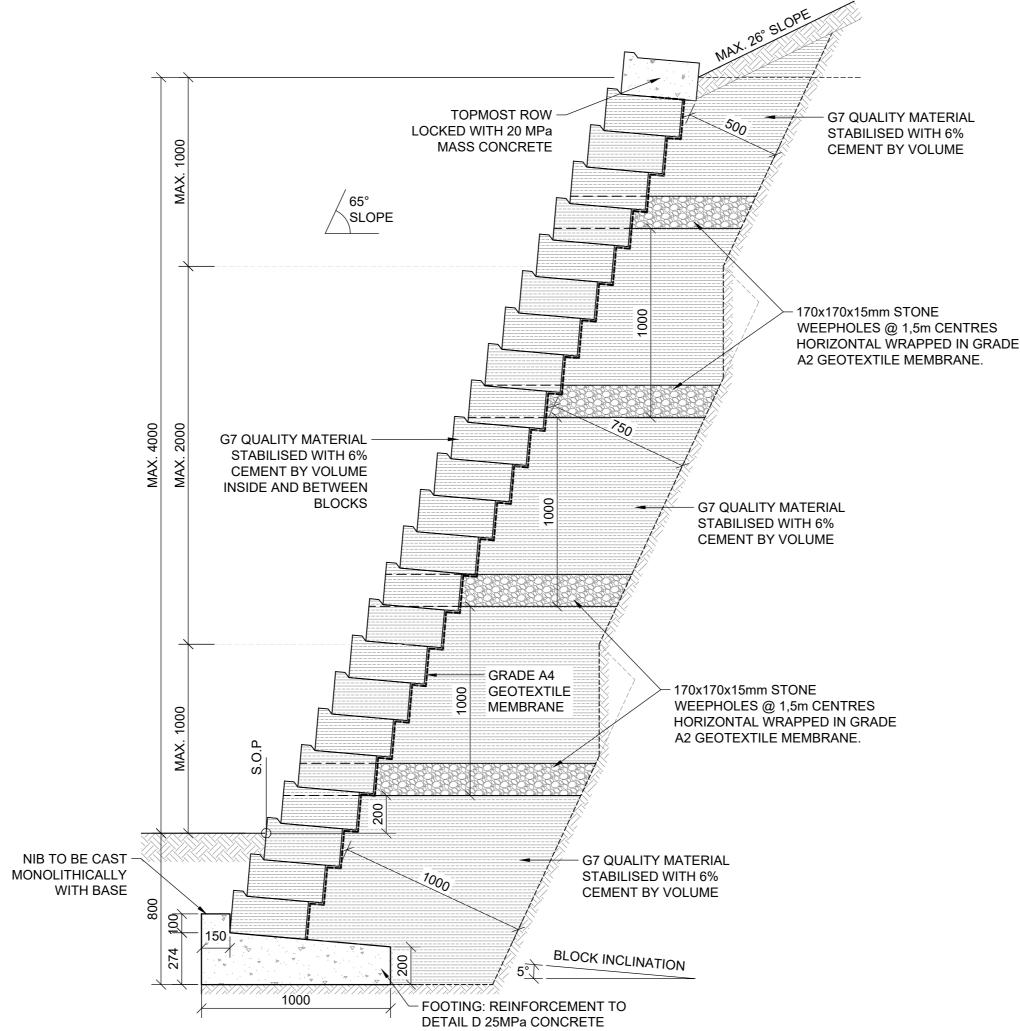
SLOPE

NIB TO BE CAST -MONOLITHICALLY

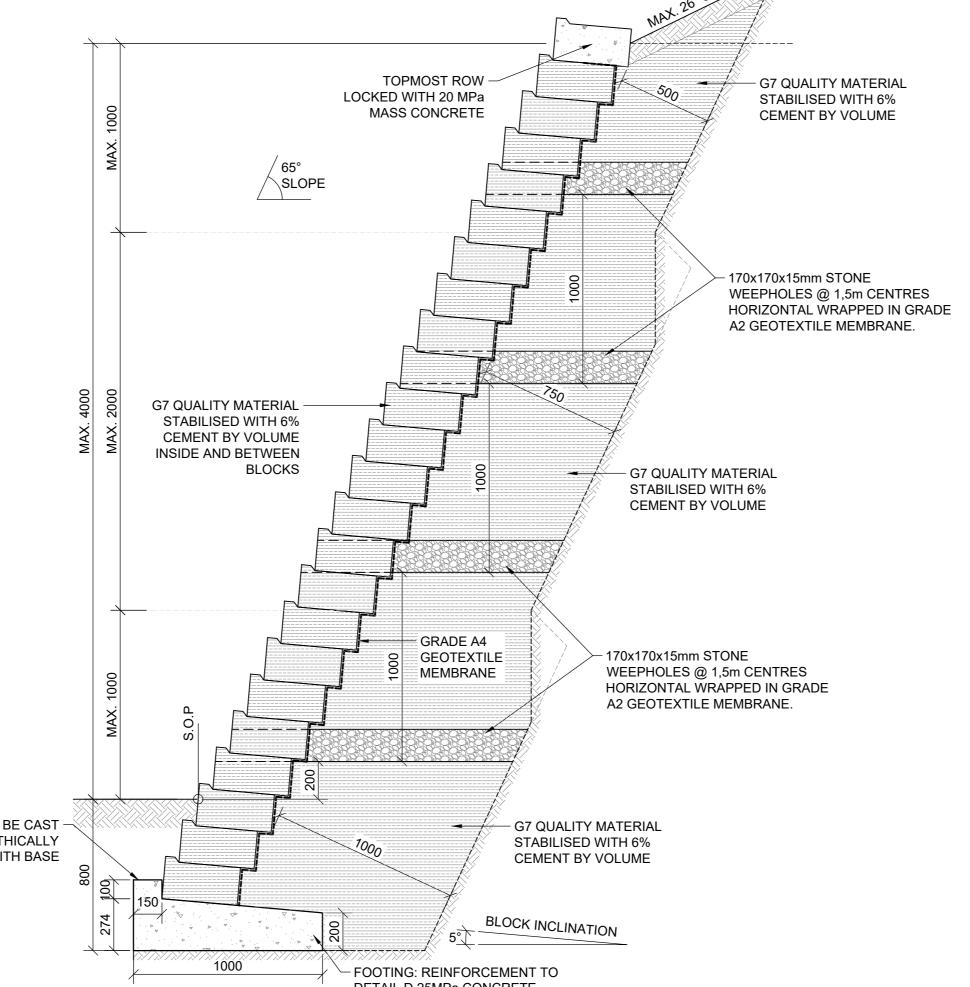
WITH BASE



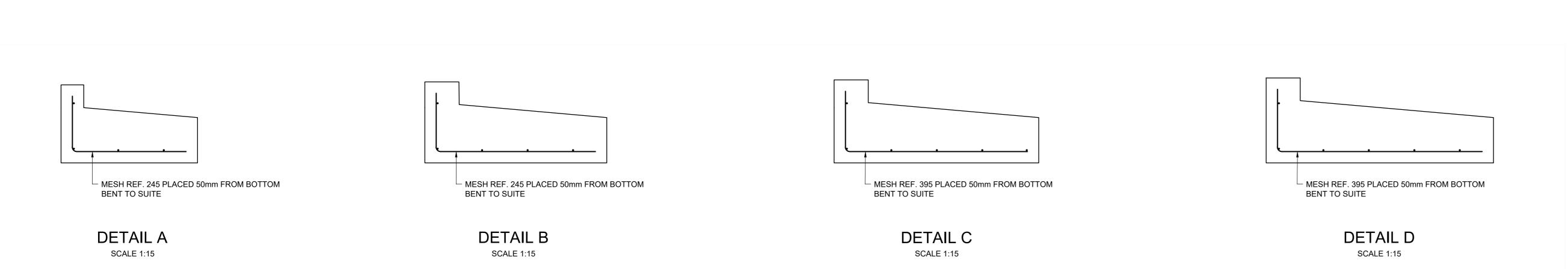
TYPICAL SECTION SHOWING DRY-STACK RETAINING WALL (>1m TO 2m EXPOSED HEIGHT)



RETAINING WALL (>3m TO 4m EXPOSED HEIGHT)



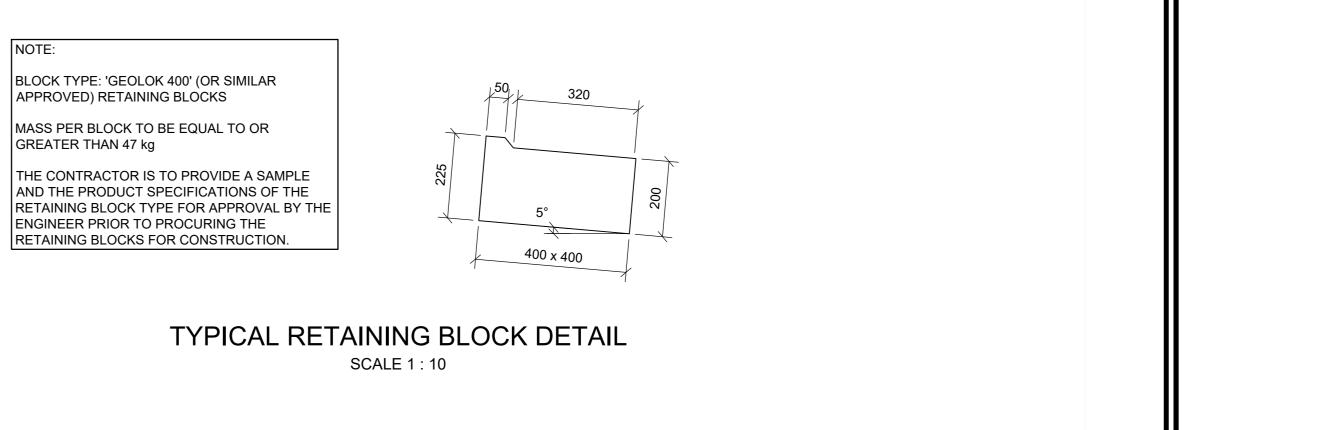
TYPICAL SECTION SHOWING DRY-STACK



RETAINING WALL

- 1. ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE. 2. ALL CONCRETE WORK IS TO COMPLY WITH SANS 1200G.
- 3. CONCRETE GRADE :- FOUNDATION 25 / 19 4. ALL FOUNDATION EXCAVATIONS ARE TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE.
- 5. ALL REINFORCING FIXING IS TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE. 6. SIX CONCRETE CUBES TO BE TAKEN PER BATCH. THREE CUBES
- TO BE TESTED AT SEVEN DAYS, THE REMAINDER AT TWENTY EIGHT DAYS. THE RESULTS ARE TO BE FORWARDED TO THE ENGINEER FOR REVIEW AND APPROVAL.
- 7. SET BOTTOM ROW OF BLOCKS IN WET CONCRETE. 8. ALL BACKFILL TO BE COMPACTED TO 93% MOD AASHTO DENSITY 9. STORM WATER BEHIND THE TOP OF THE WALL TO BE MANAGED IN
- SUCH A MANNER AS TO OBVIATE SCOUR BEHIND OR OVER -TOPPING OF THE WALL. 10. THE CONTRACTOR IS TO PROVIDE A SAMPLE AND THE PRODUCT

SPECIFICATIONS OF THE RETAINING BLOCK TYPE FOR APPROVAL BY THE ENGINEER PRIOR TO PROCURING THE RETAINING BLOCKS FOR CONSTRUCTION.

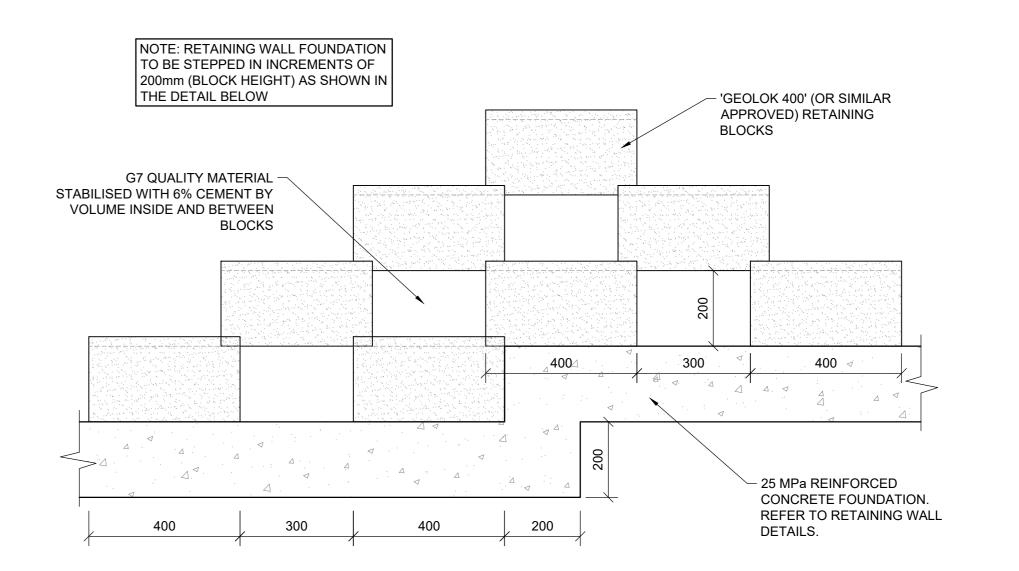


MESH REF 193 (50 mm COVER)

- 100 mm CONCRETE (20 MPa)

G7 QUALITY MATERIAL STABILISED WITH 6%

CEMENT BY VOLUME



CONCRETE LINED V-DRAIN AT TOP OF

**RETAINING WALL** 

SCALE 1:10

NOTE: V-DRAIN POSITION TO BE

BY THE ENGINEER

TOPMOST ROW LOCKED -

CONCRETE. REFER TO

DRY-STACK RETAINING

WITH 20 MPa MASS

WALL DETAILS

FINALISED ON SITE, AS DIRECTED

BLOCK TYPE: 'GEOLOK 400' (OR SIMILAR

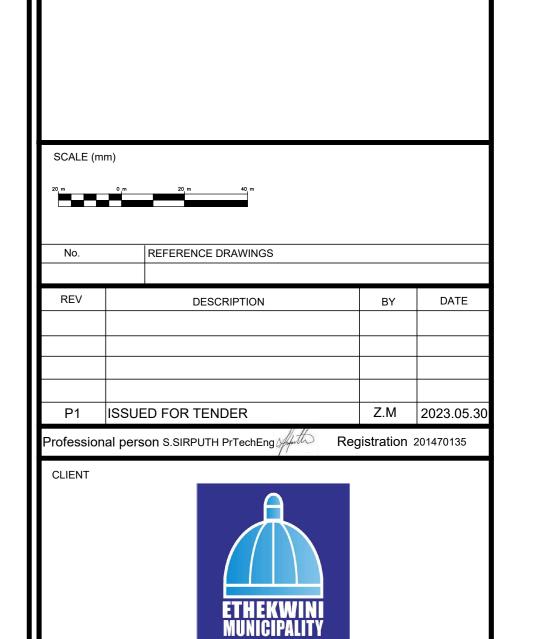
MASS PER BLOCK TO BE EQUAL TO OR

ENGINEER PRIOR TO PROCURING THE RETAINING BLOCKS FOR CONSTRUCTION.

APPROVED) RETAINING BLOCKS

GREATER THAN 47 kg

TYPICAL DRY-STACK RETAINING WALL STEPPED FOUNDATION DETAIL



eTHEKWINI INCREMENTAL SERVICES AMAOTANA (ZWELISHA) WARD 59

TYPICAL DRY STACK RETAINING WALL DETAILS



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**AS SHOWN** APPROVED A.S PL DATE 2022.02.24 DRAWING No. 557/AMZW-PH2/904 REV P1