1.6 x 1.8 x 1.0m BLOCK
CONCRETE OUTER SHELL
RECYCLED TYRE OAK INFLAT
SHELL REINFORCEMENT
667 MESH & 25kg/m^3
CONSLAB FIBRE
OR EQUIVALENT

SURCHARGE 2.5 kPa MAX.
GROUND LEVEL

COMPACTED SOIL
FREE DRAINING AGGREGATE

2000
GROUND LEVEL

1600

100 DIA NOFLOW DRAIN COIL

NOTES
1) DESIGN OF GRAVITY WALL IS BASED ON FOLLOWING ASSUMPTIONS:
   - SOIL DENSITY = 18 kN/m^3
   - FRICTION ANGLE = 30 DEG.
   - FRICTION ANGLE FOR SLIDING = 35 DEG.
   - SOIL ULTIMATE BEARING CAPACITY = 300 kPa
   - BLOCK WEIGHT = 3790 kg/unit
2) ADEQUATE DRAINAGE SHALL BE PROVIDED BEHIND WALL TO AVOID HYDROSTATIC LOADING.
3) CONCRETE BLOCKS LINK TOGETHER AND DO NOT NEED MORTAR OR GROUTING.
4) RETAINING WALL MAY BE CONSTRUCTED ALONG A STRAIGHT LINE IN PLAN OR PROFILED TO SUIT SITE REQUIREMENTS.
5) WALL SHALL BE CONSTRUCTED ON A COMPACTED LEVEL BASE.
6) RETAINING WALL APPLICATIONS VARY FROM LANDSCAPING WALLS TO STRUCTURAL RETAINING WALLS WITHIN SPECIFIED PARAMETERS.
7) SPECIFIC DESIGN IS REQUIRED WHEN SOIL DATA, WALL HEIGHTS OR LOADING VARY FROM SPECIFIED VALUES.
8) IN ALL CASES, IT IS RECOMMENDED THAT DESIGN IS CHECKED BY A QUALIFIED DESIGN ENGINEER FOR THE ACTUAL DESIGN CONDITIONS AT THE PROPOSED SITE.

PROJECT NAME:
PROPOSED MASS GRAVITY WALL

FOR PACIFIC RUBBER
RECYCLING LTD.

SHEET TITLE:
RETAINING WALL: SINGLE LAYER GRAVITY WALL

Rev  Description  By  Date
Surveyed
Designed  AA  03-11-11
Drawn  AD  16-11-11
Checked  AA  21-11-11
Approved  BV  22-11-11

File Name: G3033...GRAVITY WALL