1.6 x 1.6 x 1.0 m BLOCK
CONCRETE OUTER SHELL
RECYCLED TYRE BALE INFILL
SHELL REINFORCEMENT
661 MESH & 25kg/m^3
CONSOLIDATION FIBRE
OR EQUIVALENT

GROUND LEVEL
320
1800
SURCHARGE 2.5 kPa MAX.
GROUND LEVEL
FREE DRAINING AGGREGATE
CRUSHED STONE LEVELING PAD
100 DIA NOVALLOW DRAIN COIL

SINGLE & DOUBLE LAYER
SCALE 1:50 @ A4

NOTES
1) DESIGN OF GRAVITY WALL IS BASED ON FOLLOWING ASSUMPTIONS:
   - SOIL DENSITY = 18kN/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: DOUBLE LAYER GRAVITY WALL

Rev Description By Date
Surveyed
Designed AA 03-11-11
Drawn AO 16-11-11
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File Name: PM...GRAVITY WALL