



**NOTES**

- 1) DESIGN OF GRAVITY WALL IS BASED ON FOLLOWING ASSUMPTIONS:
  - SOIL DENSITY = 18K<sub>n</sub>/m<sup>3</sup>
  - 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 STARIGHT 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
		SIGNED	DATE
	Surveyed		
	Designed	AA	03-11-11
	Drawn	AD	16-11-11
	Checked	AA	21-11-11
	Approved	BV	22-11-11

File Name: 34303\...\GRAVITY WALL