



Forge Hill Recycling Ltd, Forge Hill, Cork, T12 9N44
Tel: 021 481 1144 www.info@fhr.ie www.fhr.ie

EMS

Waste Storage Plan

Rev.1.0

1. Purpose

The purpose of this Plan is to achieve and maintain compliance with Condition 8.11 of W0291-01 in relation to the storage of waste. It is an addendum to the FHR Waste Storage Plan (November 2017) to reflect the proposal to increase the annual waste intake from 82,000 tonnes to 100,000 tonnes and the associated infrastructural works.

2. Scope

The Plan applies to all waste storage activities at the Forge Hill facility

3. Responsibilities

It is the responsibility of the Site Manager and/or Deputy to ensure this Plan is adhered to at all times.

It is the responsibility of the EHS Manager to ensure the Plan is communicated to the operatives and drivers and that the appropriate training is provided them.

It is the responsibility of the EHS Manager to revise and update the Plan in accordance with the EPA requirements. All revisions/updates shall be submitted to the EPA for approval before any changes to the agreed Plan are made.

4. Associated Documents

Conditions 9.5 and 8.11 of W0291-01

FHR Waste Storage Plan November 2017

FHR Firewater Risk Assessment December 2017

FHR Closure and Decommissioning Management Plan December 2017.

The EPA Guidance Note: Fire Safety at Non-Hazardous Waste Transfer Stations, 2013

The EPA Guidance on Fire Risk Assessment for Non-Hazardous Waste Facilities, 2016.

6. Site Layout

The site covers 10,110 m² and comprises a waste processing building made up of four adjoining buildings (1-4), two storey office, an electrical substation, two weighbridges and paved open yard. A security fence surrounds the operational area and there are two entrances off Forge Hill Road. There is a firewall between Building 1 and 3 and between Buildings 2 and 4. Rainwater run-off from paved areas where there is the potential for rainwater run-off to become contaminated is discharged to foul sewer. Run-off from the yard areas where there is a low risk of contamination discharges to a stream to the west of the site.

7. Waste Activities

The incoming mixed wastes are mechanically separated by type (e.g. plastic, paper, cardboard, metals) and the recyclables are baled and stored prior to transfer to other facilities for further processing. Non-recyclable residues are bulked up and sent to other waste management facilities for further treatment. All waste handling is carried out inside the buildings. All waste storage with the exception of baled ferrous and non-ferrous metals and non-recyclable MSW residues, is confined to inside the processing building.

8. Waste Storage Areas

- 8.1 The waste storage areas are shown on Drawing No. 14/4347-PL-04 with details of the maximum stockpile sizes specified in Table 1.
- 8.2 Combustible materials shall be stored in separate stockpiles to reduce the risk of fires spreading.
- 8.3 All stockpiles shall be maintained such that they are higher than 4m and do not exceed the maximum volumes specified in Table 1.
- 8.4 A separation distance of 6m shall be maintained between the paper bale stockpile and the plastic bale stockpile in Building 3. Baled metal cans will be stockpiled in this gap as this material is non-combustible and will act as a fire barrier.
- 8.5 A separation distance of 6m shall be maintained between the open stockpiles of mixed dry recyclables in Building 4.

9. Waste Quantities

The maximum amount of waste on-site at any one time shall be 1,551 tonnes, comprising approximately 816 tonnes of baled dry recyclables 615 tonnes of loose mixed recyclables and 120 tonnes of baled metal cans,

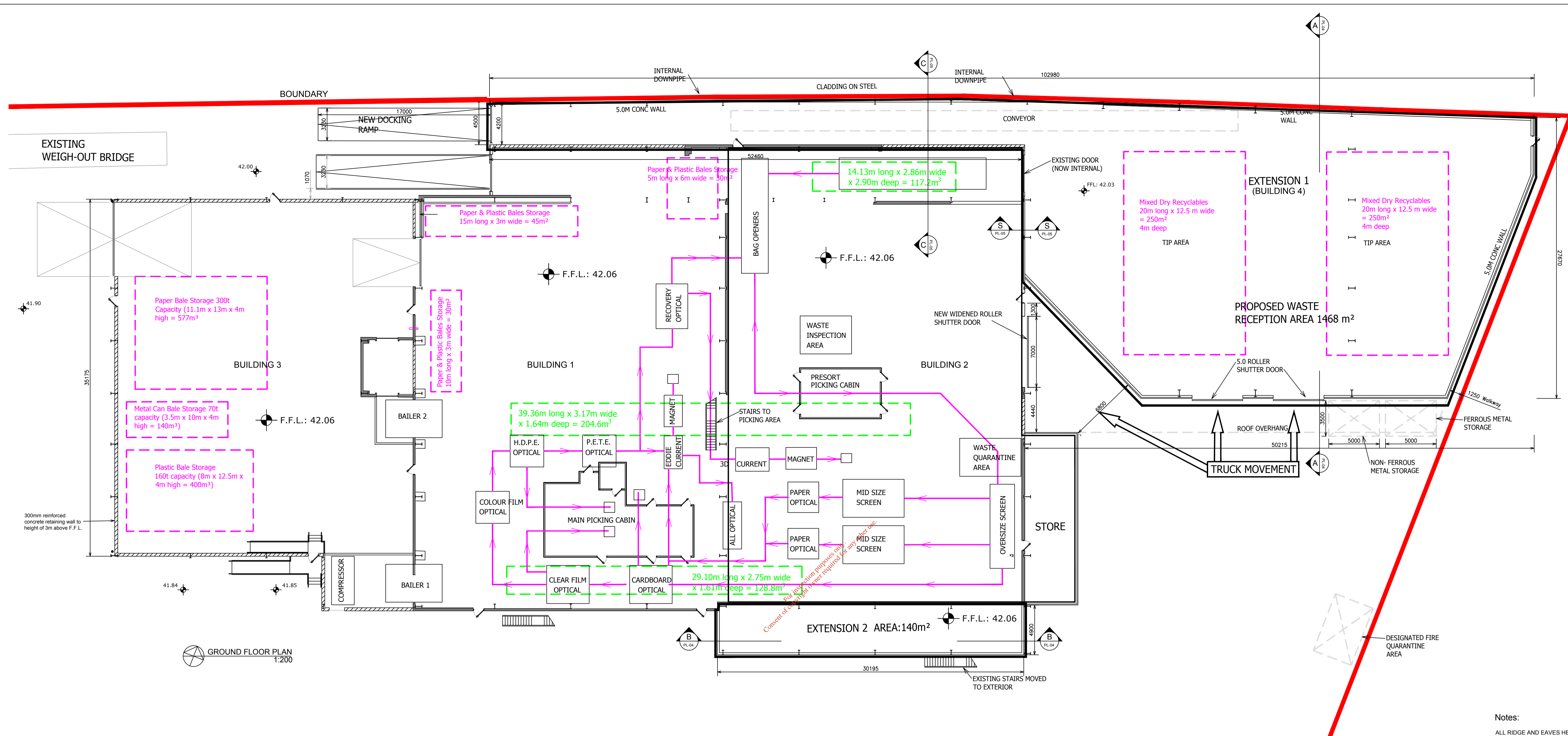
10. Fire Quarantine Area

The fire quarantine area shall be not less than 6m from the building and shall not obstruct any exit routes. It area shall be kept available at all times for use if a hot load is imported or if a hotspot is identified in a stockpile and turning or digging out are considered to be suitable corrective measures.

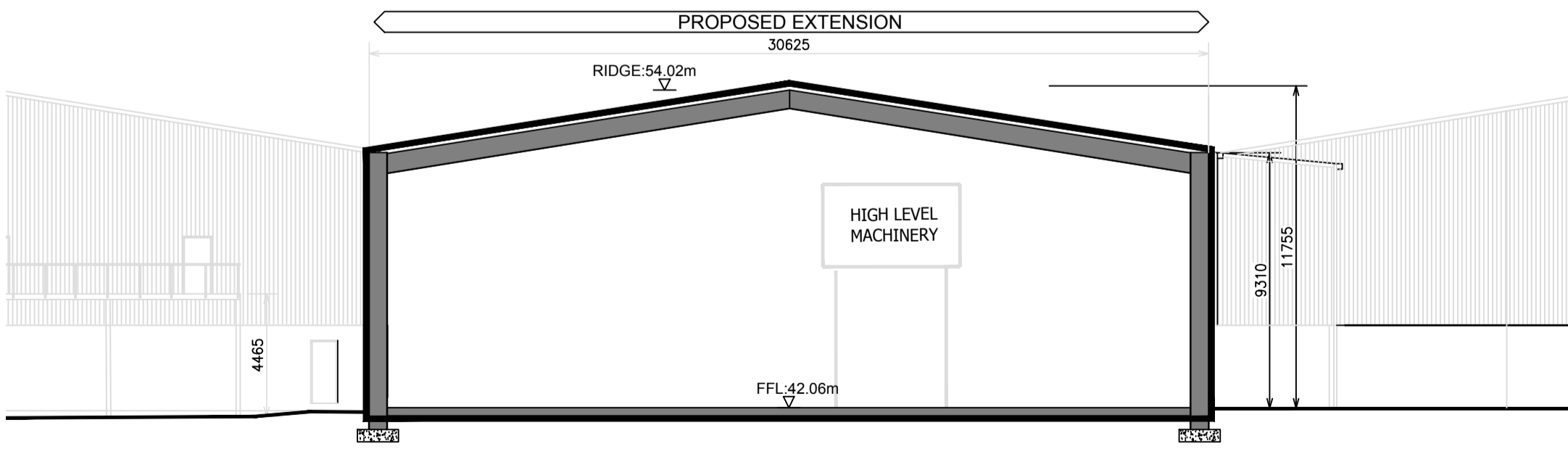
Table 1 Maximum Planned Storage of Waste on Site

Location of Waste	Tonnes	Length (m)	Width (m)	Height (m)	Area (m ²)	Volume (m ³)	Material
Quarantine Area (Building 1)	1	2	2	1	4	4	Residual MSW
Inspection Area (Building 4)	5	3	3	2.3	9	21	Mixed Dry Recyclables
Input Storage Area (Building 4)							
Stockpile 1	250	20	12.5	4	250	1000	Mixed Dry Recyclables
Stockpile 2	250	20	12.5	4	250	1000	Mixed Dry Recyclables
Inspection Area (Building 1)	5	3	3	2.3	9	21	Mixed Dry Recyclables
Input Storage Area (Building 1)	100	20	10	2.1	200	417	Mixed Dry Recyclables
Waste on Process Line (Buildings 1 & 2)	10	n/a	n/a	n/a	n/a	42	Mixed Dry Recyclables
Paper & Card Storage (Building 2)	95	15.3	3	4	46	183	Baled Paper & Cardboard
Plastic Storage (Building 2)	95	20	3	4	60	238	Baled Plastic
Metal Can Storage (Building 3)	70	10	3.5	4	35	140	Baled Metal Cans
Paper & Card Storage (Building 3)	300	13	11.1	4	144	577	Baled Paper & Cardboard
Plastic Storage (Building 3)	160	12.5	8	4	100	400	Baled Plastic
Ferrous Metal (Outside Building 4)	25	5	3.5	4	17.5		Baled Metal Cans
Non-Ferrous Metal (Outside Building 4)	25	5	3.5	4	17.5		Baled Metal Cans
Non-Recyclable Residues (Enclosed Trailer outside Building 1)	20	n/a	n/a	n/a	n/a		Residual MSW
Total	1,551					4,343	

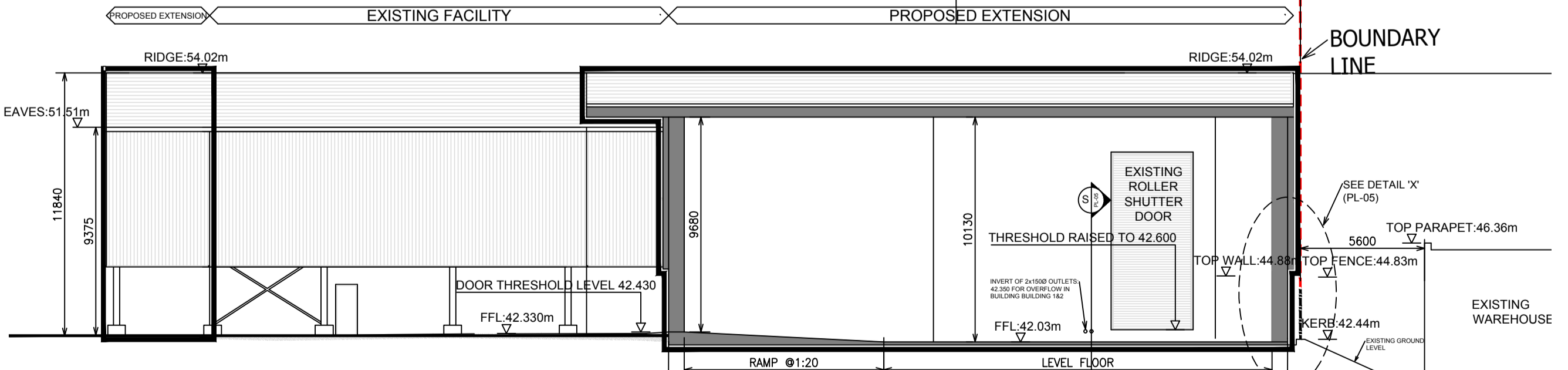
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GROUND FLOOR PLAN 1:200



SECTION B-B 1:200



SECTION A-A 1:200

- Notes:**
- ALL RIDGE AND EAVES HEIGHTS TO MATCH EXISTING
 - ALL FINISHES TO MATCH EXISTING
- Notes:**
- This drawing is for planning purposes only. - If in doubt ask.
 - Do not scale, figured dimensions only to be taken.
 - Engineer to be informed of any discrepancies before work proceeds.
 - Contractor to check all dimensions and conditions on site before commencing works.
 - Drawing to be read in conjunction with current Building Regulations.
 - All components and materials to be installed fully in accordance with manufacturers instructions.

BRIAN O KENNEDY & ASSOCIATES LTD
Consulting Engineers

Shannon House, Church Road, Douglas, Co. Cork
Tel: 021-4899854
Fax: 021-4899464
Email: info@bok.ie
Web: www.bok.ie

Project:
EXTENSIONS TO EXISTING MATERIALS RECYCLING FACILITY AT FORGE HILL, CO. CORK

Client:
FORGE HILL RECYCLING LTD

Drawing Title:
GROUND FLOOR & SECTIONS

Scale: 1:200 @A1	Date: March 2018	Revision:
Drawn By: E.F.	Drawing Number: 14/4347-PL-04	R0