



- NOTES**
- All dimensions are in millimetres unless noted otherwise.
  - All levels are shown in millimetres unless noted otherwise.
  - Do not scale from the drawing. Use figured dimensions only.
  - Any discrepancies to be reported immediately to the engineer.
  - This drawing is to be read in conjunction with all relevant Architects, engineers, subcontractors and specialists drawings and specifications.

- CONCRETE NOTES**
- Carry out all concrete works in accordance with BS 8004 & BS 8110 and the specification. Keep a copy of these documents available on site.
  - Granular material is to be thoroughly consolidated in layers and if any soft spots are encountered, they are to be removed and replaced with granular material compacted in layers. Each layer is not to exceed 225mm after compaction.
  - Strip footings to be central under load bearing walls unless noted otherwise.
  - Formation levels of all strip footings to be min. 600mm below existing ground level.
  - All mass concrete grade to be GEN 3 min. (Sulphates = Design class - DS-1, AC/EC class AC-1 (BRE-2005)).
  - All formation levels in excavations are to be inspected by a competent person (Building Inspector / engineer) before concrete strip footings are poured.
  - All dimensions to be checked by contractor prior to construction.
  - Allowable ground bearing pressure of 100KN/m<sup>2</sup> has been assumed.

- MASONRY & STEELWORK NOTES**
- Carry out all Masonry works in accordance with BS 5628.
  - All load bearing masonry blockwork to be a Min. 7.3N/mm<sup>2</sup> compressive strength unless noted otherwise.
  - All non load bearing blockwork is to be tied/coursed into load bearing walls to provide restraint to the adjacent panel.
  - Masonry construction is to be fully tied at floor levels with 50x200 mild steel straps @ 1900c/c.
  - All padstones to be 440x100x215mm deep concrete unless noted otherwise.
  - All steelwork to be grade S275 (Grade43) to E.N.10025 & 10210 (UNO).
  - All universal beams, joists, universal columns & channels to be minimum of S355 grade (UNO).
  - Minimum steel grading for flat plates and angles are S275 grade (UNO).
  - Minimum steel grading for CHS, RHS & SHS are to be S235 grade (UNO).
  - All steelwork is to be blast cleaned to B.S. 5493 second quality and have 75 micron High build zinc phosphate primer. All exterior steelwork is to be galvanised.
  - All shop and site bolts are to be spherulised to BS 4921: class 1.
  - All bolts to be grade 8.8. Welds min. 6mm fillet UNO.
  - The steelwork Contractor is responsible for all temporary bracing.
  - Steelwork has been designed in accordance with B.S. 5950, all moments and shear forces indicated are ultimate.
  - Steelwork connections are to be designed by a specialist sub-contractor. All fabrication details and design calculations are to be presented to the Engineer and commented upon before fabrication commences.

**PLANNING**

rev.	drawn	chkd.	app'd.	date	description

Client  
**Atlantic Recycling**

Project  
**Atlantic Eco Park, Newton Road, Cardiff**

Title  
**EXISTING SITE PLAN**

date	drawn	checked	approved
JUL 2024	JSM	CN	

scale @ A1  
**1 : 500**

status	drg. no.	rev.
Planning	17405-h Planning-b	V22