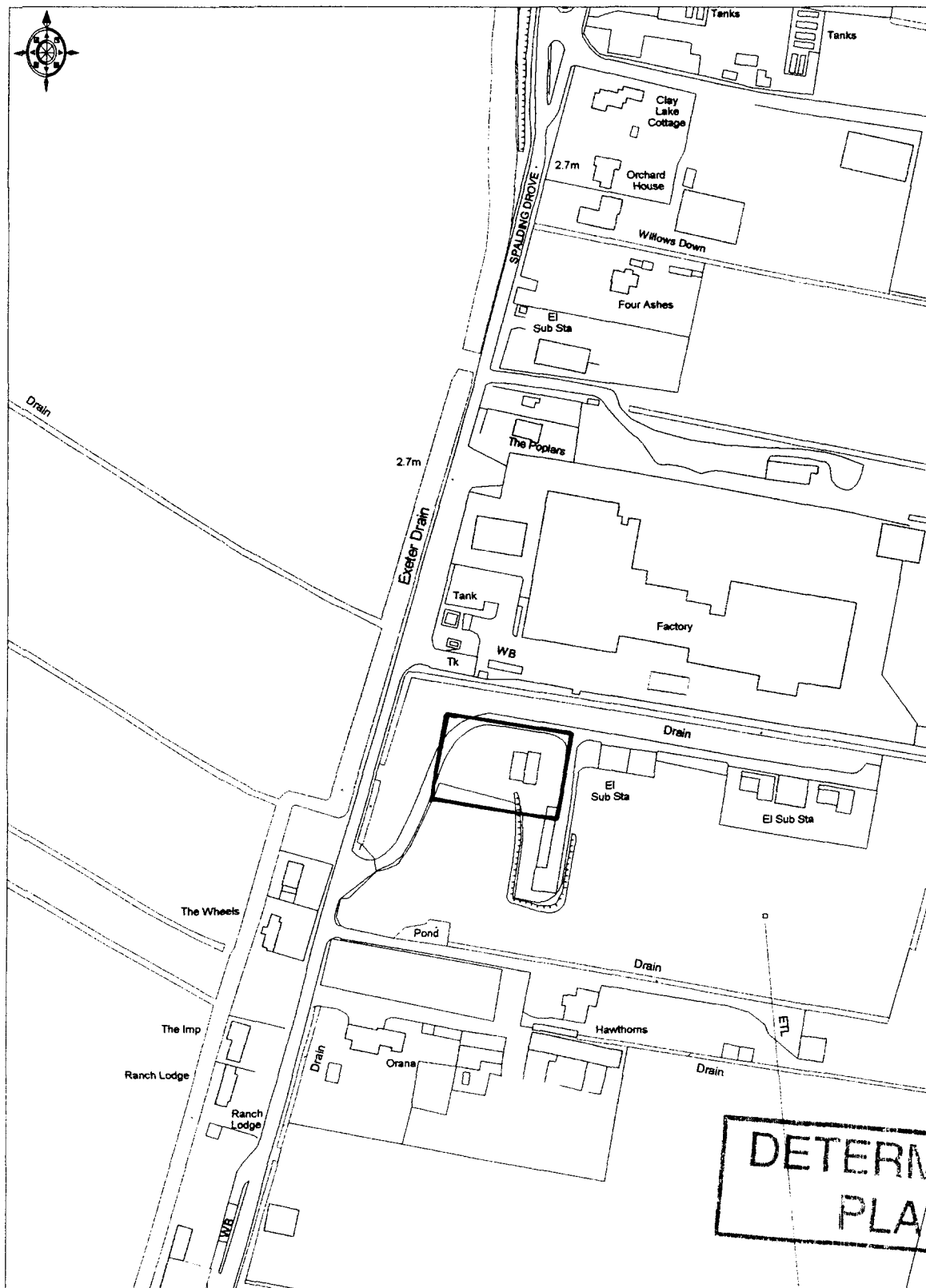


THS7123T- EMEB SPALDING



**DETERMINED
PLAN**



**Ordnance
Survey**

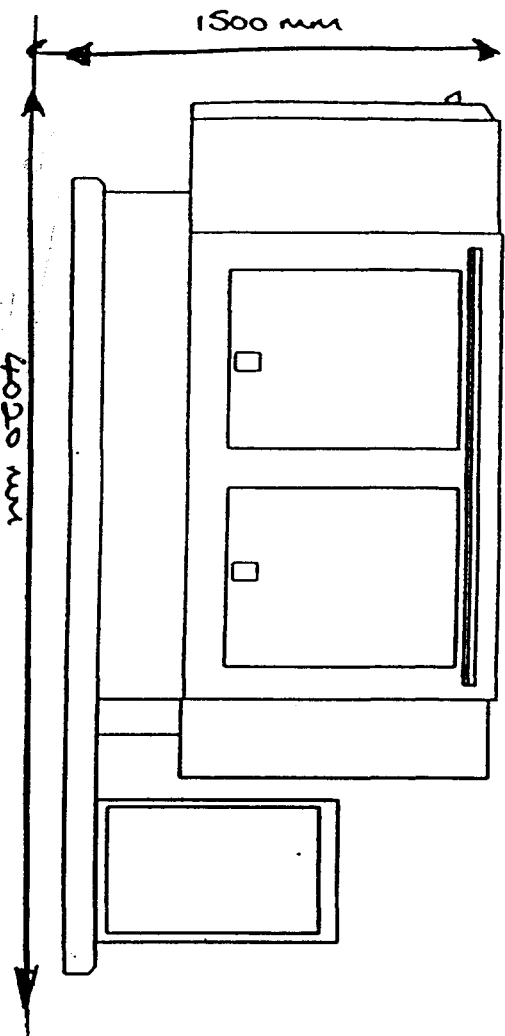
© Crown copyright 2001. All rights reserved. Licence Number 100020449. Survey Scale - 1:2500 Plotted Scale - 1:2500

N- 525400 E- 321200

2 JUN 2001

0706101

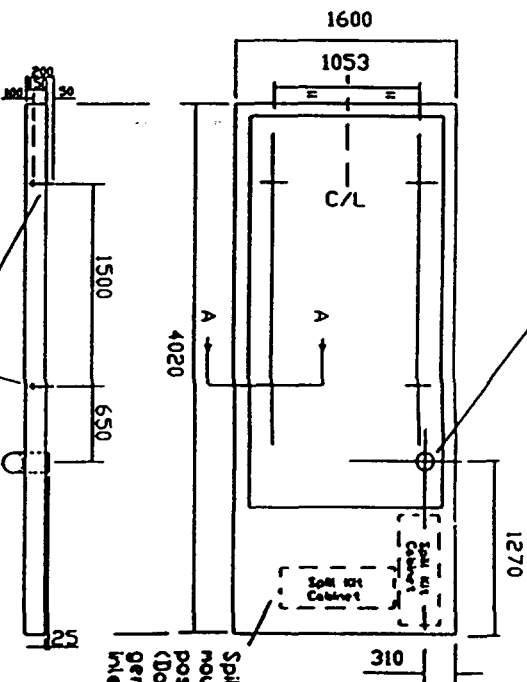
DIMENSIONS AND ELEVATION OF PROPOSED GENERATOR



DETERMINED
PLAN

NOTE: Gravel on hardcore should surround the plinth to allow drainage and hard standing for operator.

CONCRETE BASE PLINTH
MINIMUM REQUIREMENT
WITH SPILL CABINET
MOUNTING AREA



CABLE DUCT to Bypass/Changeover cabinet 150mm DIA. To be plugged to prevent dirt/water ingress.

Spill Kit Cabinet mounting, suggested positioning options. (Do not obstruct generator cooling air inlet)

Qty 4 Stainless Steel 12mm Bolts with washers cast into concrete (see section 'A' - 'A')

R/R
17 7-00
55 55
55 55
55 55

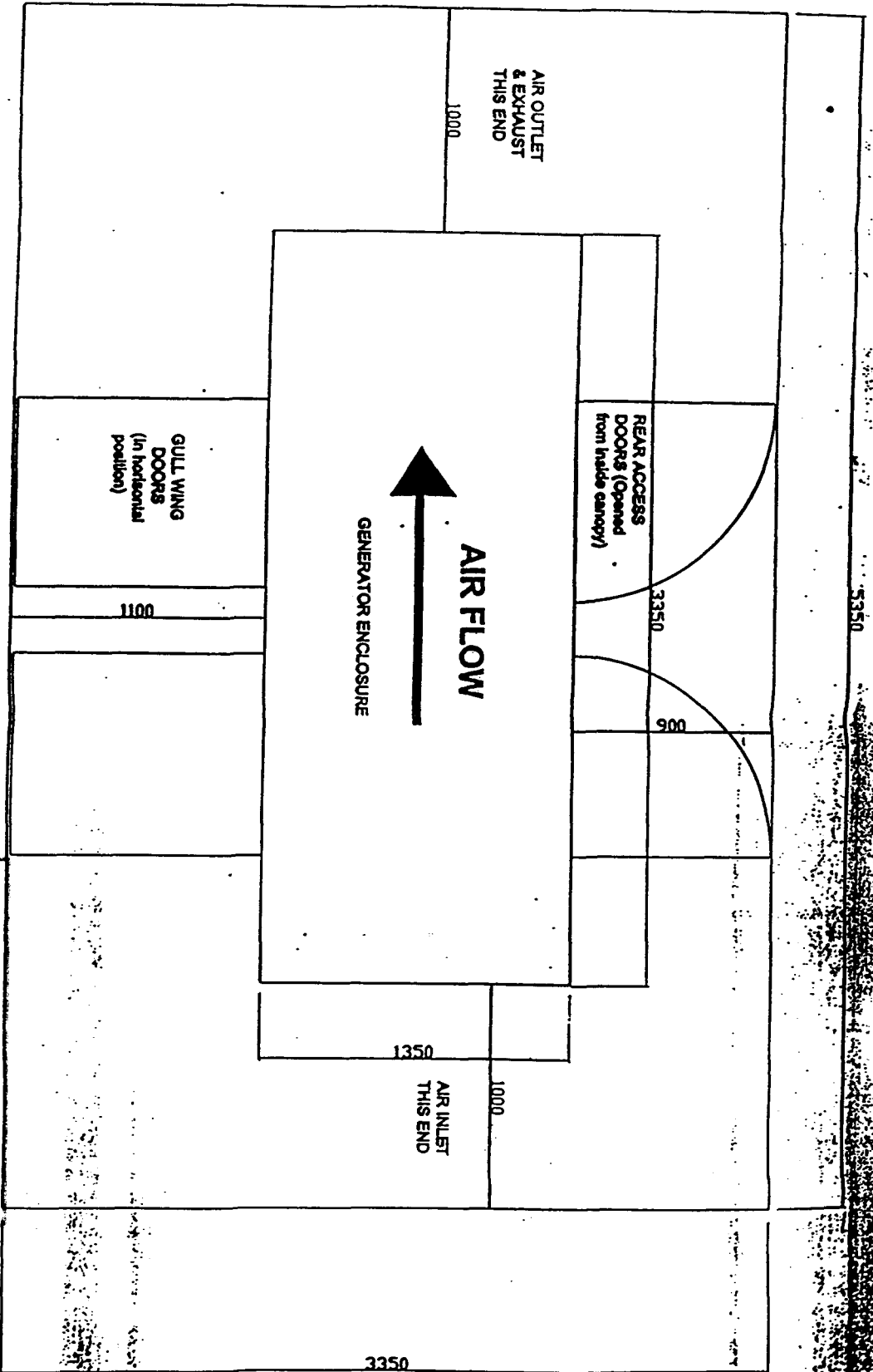
N/A
N/A

© 2000
Blandon Systems Ltd
All rights reserved
No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage or retrieval system, without prior written permission from Blandon Systems Ltd.

Blandon
Systems Ltd
Masons

CONCRETE BASE PLINTH
1525 & 1540 GENERATOR

FOOTPRINT OF PROPOSED GENERATOR



DETERMINED
PLAN

DATE	16/11/00	BY	MR	SCALE	1:100	PROJECT	FOOTPRINT ENVELOPE
DESCRIPTION	VALUING UNIT'S STAND OVERVIEW			3 DEGREE PLANT			
CLIENT	Blandon Systems Ltd			Masons			
PROJECT	FOOTPRINT ENVELOPE			15.25 & 16.14 GENERATOR			

PROPOSED GENERATOR SPECIFICATIONS

3. STANDARDS

The equipment shall comply with all relevant British Standards, with any amendments current at the date of tender, including the following:

- i. BS:7671, Requirements for Electrical Installations,
- ii. BS:7698, Reciprocating Internal Combustion Engine Driven Alternating Current Generating Sets.

The works shall be carried out in accordance with:

- i. The COSHH Regulations.
- ii. The Health and Safety at Work Act.
- iii. The Anti-Pollution Act.
- iv. The Factory Act.
- V The Electricity at Work Act.

4. FUNCTIONAL REQUIREMENTS

The generating set shall be selected from one of the following standardized ratings, as indicated in attachment 1 of this specification:

- i. 50kW/62.5kVA, 3 phase,
- ii. 25kW/31.2kVA, 3 phase,
- iii. 15kW/18.8kVA, 1 phase.

The output voltage of the generating set shall be 400/230V, 3 phase, 4 wire, 50Hz or 230V, 1 phase, 2 wire, 50Hz, as applicable.

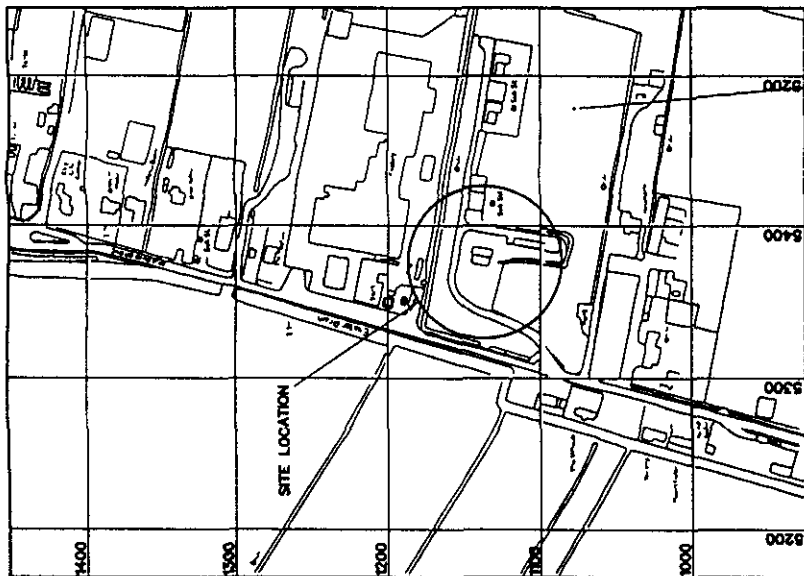
The set shall stop by the operation of a stop push button, automatically by the operation of a fault sensor or by the operation of the mains restoration detection equipment.

Governing of the engine when coupled to its alternator shall comply with BS:5514, class A1 and be of the electronic type.

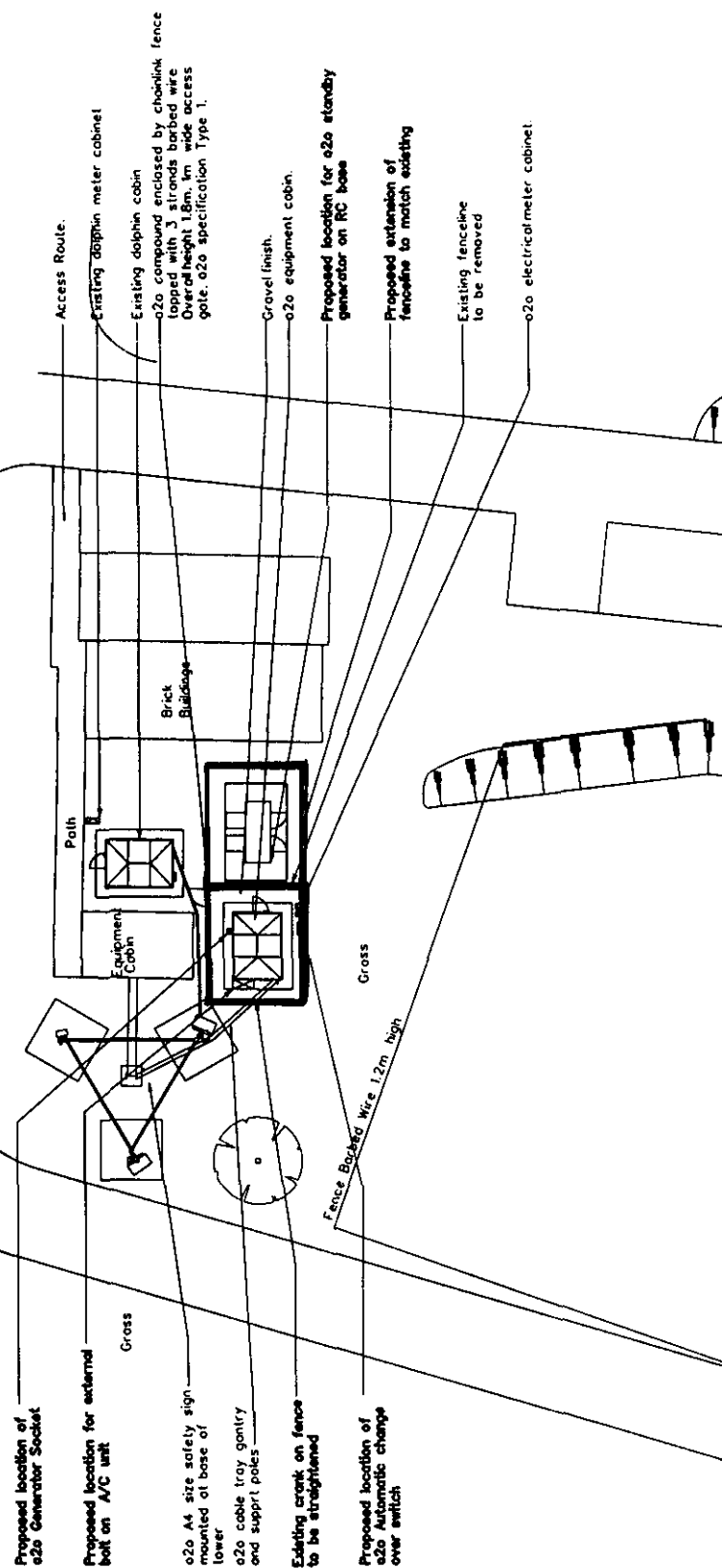
Unless otherwise indicated in the design brief, the maximum sound pressure level at a distance of 3m from a generator room or enclosure shall be 65dBA.

1. Do not score

2. All dimensions are in mm unless otherwise stated.
3. Refer to TypicalDetails Package Drg. No. 020/TP/MD15900 Issue A and all current drawings listed therein
4. Prior to commencing works on site the contractor is to liaise with the security division and local Building Facilities Manager. Obtain necessary permits to work regarding safety
 - a) Locate the presence of any existing underground services with C A T and obtain Dialbefore Dig number.
5. Scope of Civil/Contractors Works:
 - a) Provide concrete reinforcement for cable ducts
 - b) Provide 100mm Dia. black UPVC cable ducts
 - c) Provide metal cabinet with junction box
 - d) Re-configure electrical supply as schematic diagram
 - e) Supply and install alarm cable from change over cabinet to cabin terminate within cabin
6. Generator slab specification:
 - a) 200mm thick mass reinforcement concrete slab designed to generate a maximum bearing pressure of 120 kN/m². The slab is to be cast to fall to ensure that water will not pond. Soft spots to be excavated and back filled with compacted granular fill minimum 100mm thick
7. Scope of works to be carried out by generator manufacturer:
 - a) Supply and install auto change over switch within change over switch cabinet in place of junction box
 - b) Supply install and terminate supply cable and alarm cable from generator to change over switch
 - c) Supply and install generator
 - d) Supply and install associated earthing linked to alarm cabinet
 - e) Terminate alarm cables within change over switch cabinet
 - f) Test and commission in accordance with contract requirements
 - g) Supply and install 020 generator socket
8. BS 7430:1991
9. The electrical installation shall comply in full with BS 7430:1991
10. On completion of the works test certificates shall be provided for the following:
 - a) Earthing
 - b) Earthing installation
 - c) Supply and install air conditioning unit



SITE LOCATION MAP
CELL: THS723T SITE ID 703847
NATIONAL GRID REFERENCE 525400/321200
Scale 1:2500



LAYOUT PLAN
SCALE 1/200

**DETERMINED
PLAN**

0706101

00073/THS7123T/703847/01 A



A Mercant' company

[illegible]

Client

one2one

Client Ref: One 2 One Personal Communications Limited

Job Title CELL - THS 7123T

EMEB SPALDING
EAST MIDLANDS ELECTRICITY SUB STATION
SPALDING, LINCOLNSHIRE. PE11 3XH

Drawing Title

PROPOSED CATEGORY 1
UPGRADE | LAYOUT

Scale	AS SHOWN	Site ID	703847	Issue Date
Drawn by	Date	Checked by	Date	Approved by
CB	30/04/01	S. Hart	14/6/01	<i>[Signature]</i>
Revision No.				Rev.