

APPLICATION REFERENCE: PF/20/1798

LOCATION: Estate Office, Stody Estate , Melton
Constable. NR24 2ER

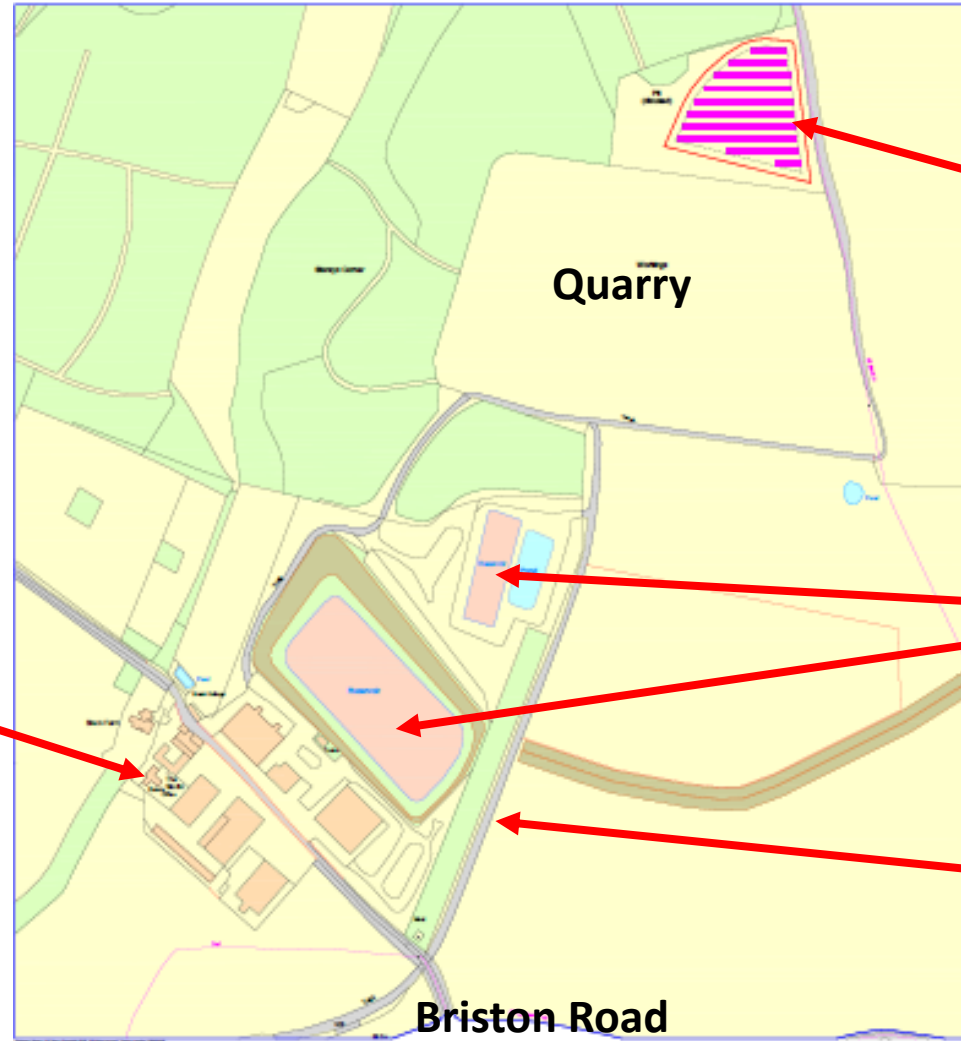
PROPOSAL: Ten arrays of ground mounted
solar photovoltaic panels to supply electricity for
use by the Stody Estate



NORTH
NORFOLK
DISTRICT
COUNCIL

north-norfolk.gov.uk

SITE LOCATION PLAN



Application site

Reservoirs

Farm Tracks

Study Estate Breck Farm Yard

Quarry

Briston Road

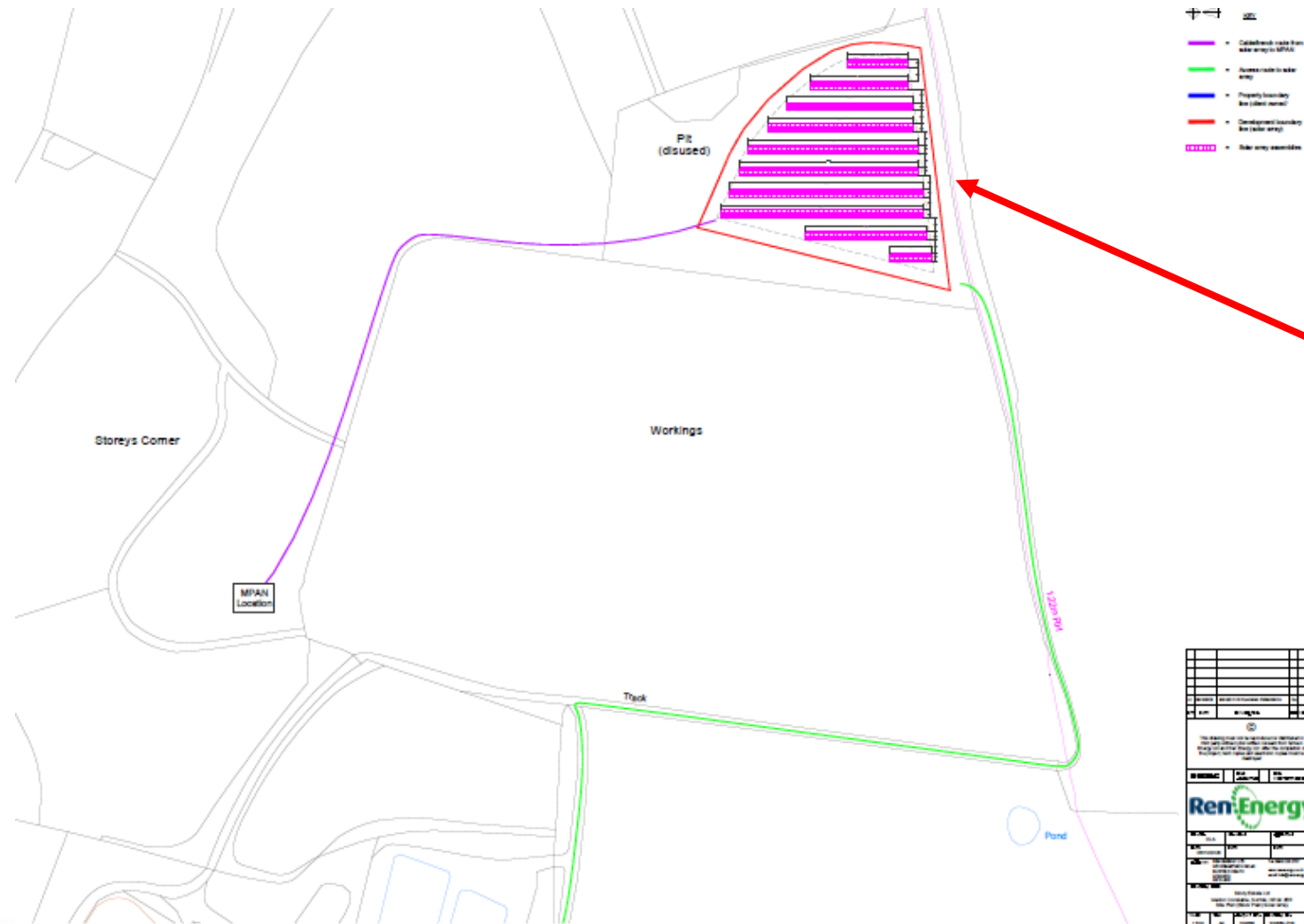
SITE LOCATION AERIAL IMAGE



Application site

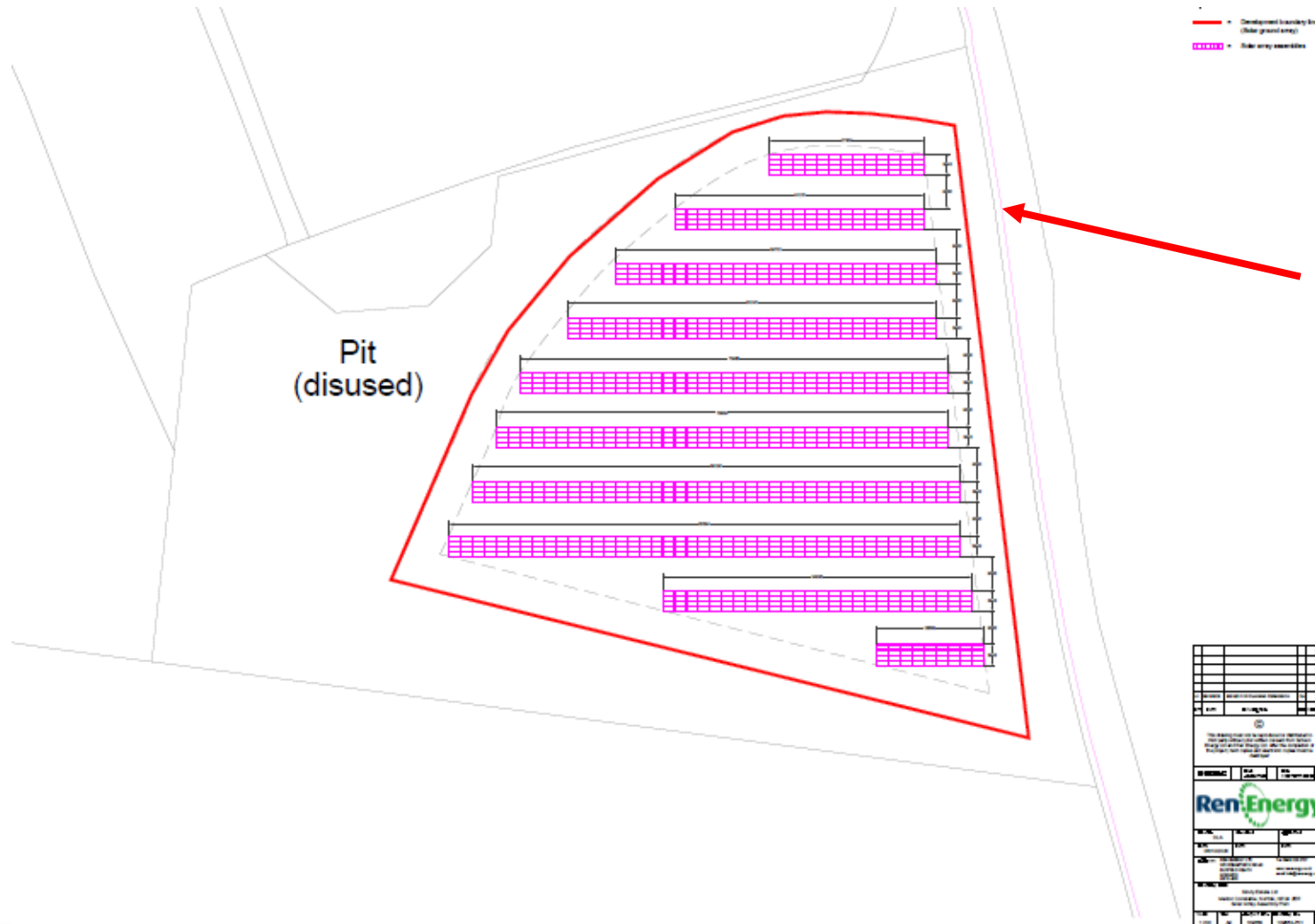
**Stody Estate
Offices/Main Yard**

PROPOSED BLOCK PLAN



Proposed PV Solar Arrays

SOLAR ARRAY ASSEMBLY PLAN



**Proposed Solar Arrays -
Laid out in 10 no. rows**

SECTIONAL VIEW OF SOUTH FACING MOUNTING SYSTEM

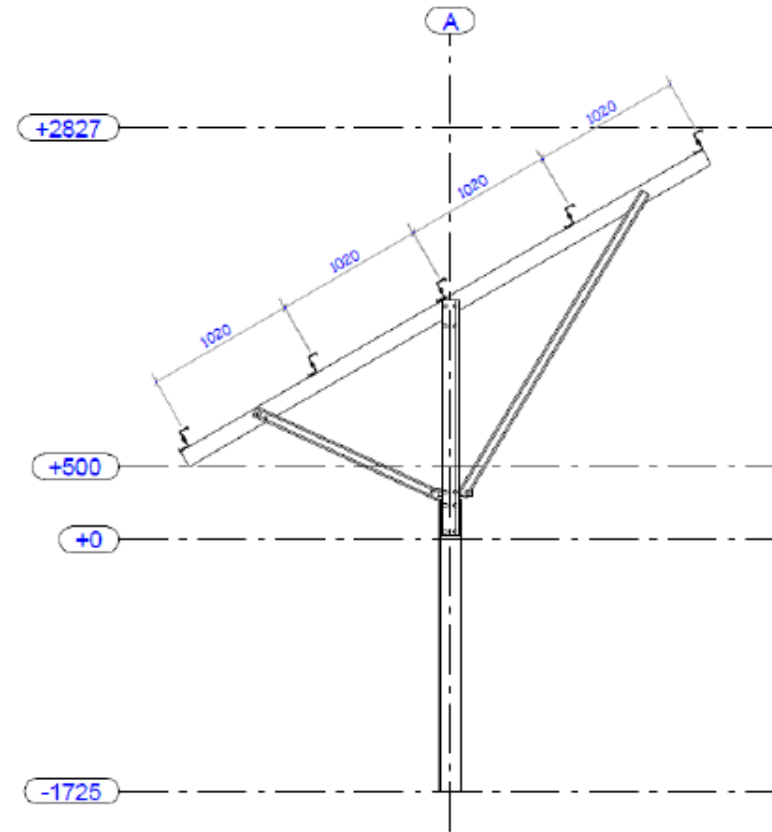


Figure 3: Sectional view of the south facing mounting system

EXAMPLE OF FRAME MOUNTED INVERTERS



Inverters mounted to the frame underneath the panels, rather than housed in a separate container. Up to 5 inverters will be mounted on every other row (so 5 of the 10 rows) on the far west end of each row closest to the cable route back to the point of connection.

VIEW OF ESTATE RESERVOIR USED FOR CROP IRRIGATION



**Photograph supplied
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Design and Access
Statement**

Figure 2: View of the 210,000 cum³ reservoir that is pumped to irrigate the Estate's crops between April and September, when solar PV generation peaks

EXAMPLE OF SIMILAR GROUNTED MOUNTED PV SOLAR ARRAY



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Figure 4: Example of a ground mounted solar PV array 4 - panel height at Briar Chemicals

VIEW ACROSS SITE FROM SOUTH-EAST LOOKING VIEW TOWARDS WOODLAND



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VIEW ACROSS SITE FROM NORTH LOOKING TOWARDS RESERVOIR



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Figure 6: View from the north, over the application site towards the reservoir

VIEW ACROSS SITE FROM WEST LOOKING TOWARDS HEDGEROW/ARABLE FIELDS



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MAIN ISSUES

- Principle of development
- Design and heritage impacts
- Landscape, ecology and biodiversity
- Residential amenity and environmental considerations
- Highway safety

RECOMMENDATION

APPROVAL subject to conditions covering the following matters, any requested by Environmental Health and NCC Highways and any others deemed necessary by the Head of Planning:

- 3 year time limit commencement.
- Works accordance with submitted plans/specifications
- Permission required for future CCTV systems, external lighting etc.
- Works in accordance with submitted LEMP.
- Requirement for removal and restoration of site on ceasing use.
Details fencing/access gates to be submitted to be agreed.
- Any highway conditions deemed necessary by NCC Highways.

Final wording of conditions to be delegated to the Head of Planning