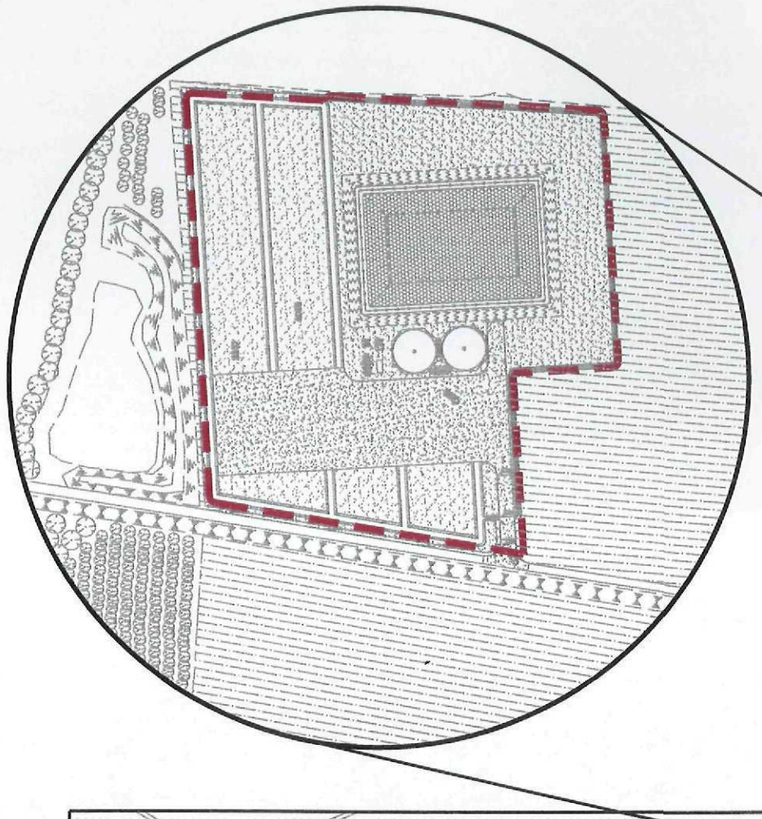
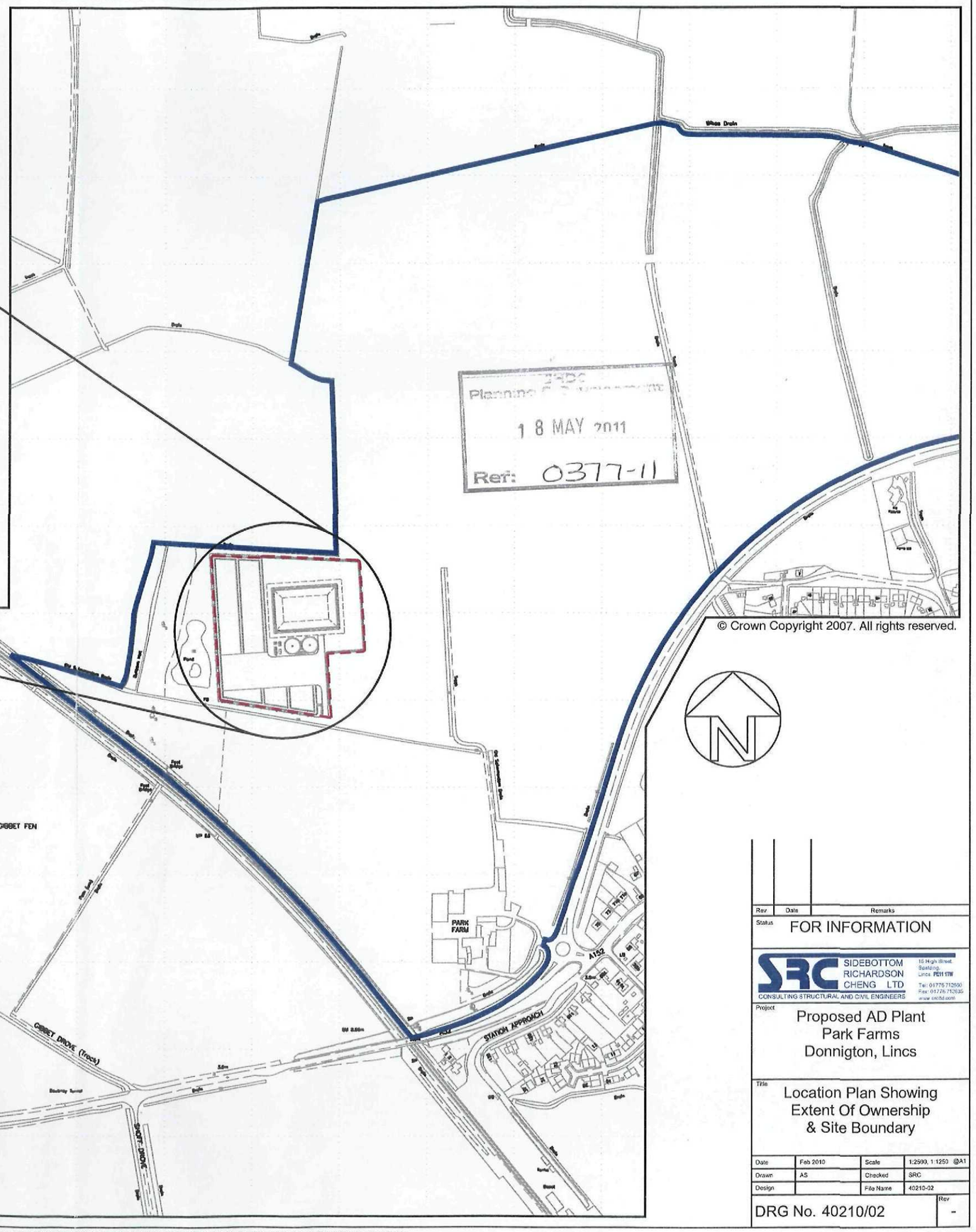




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Fax: 01775 712635
www.srcltd.com

Project
Proposed AD Plant
Park Farms
Donnington, Lincs

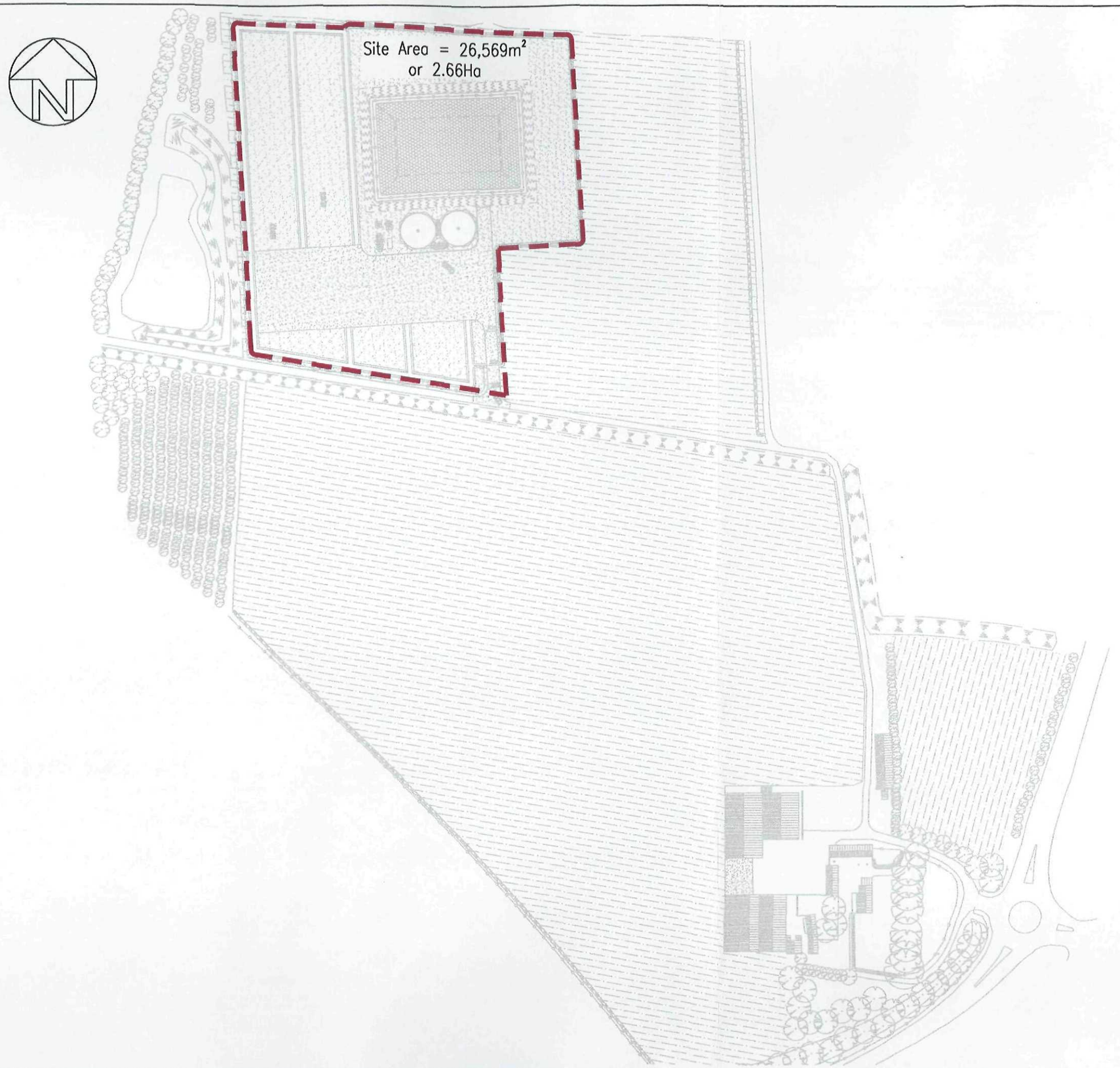
Title
Location Plan Showing
Extent Of Ownership
& Site Boundary

Date	Feb 2010	Scale	1:2500, 1:1250 @A1
Drawn	AS	Checked	SRC
Design		File Name	40210-02

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Planning Development
18 MAY 2011
Ref: 0377-11

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Project:
Proposed AD Plant
Park Farms
Donnington, Lincs

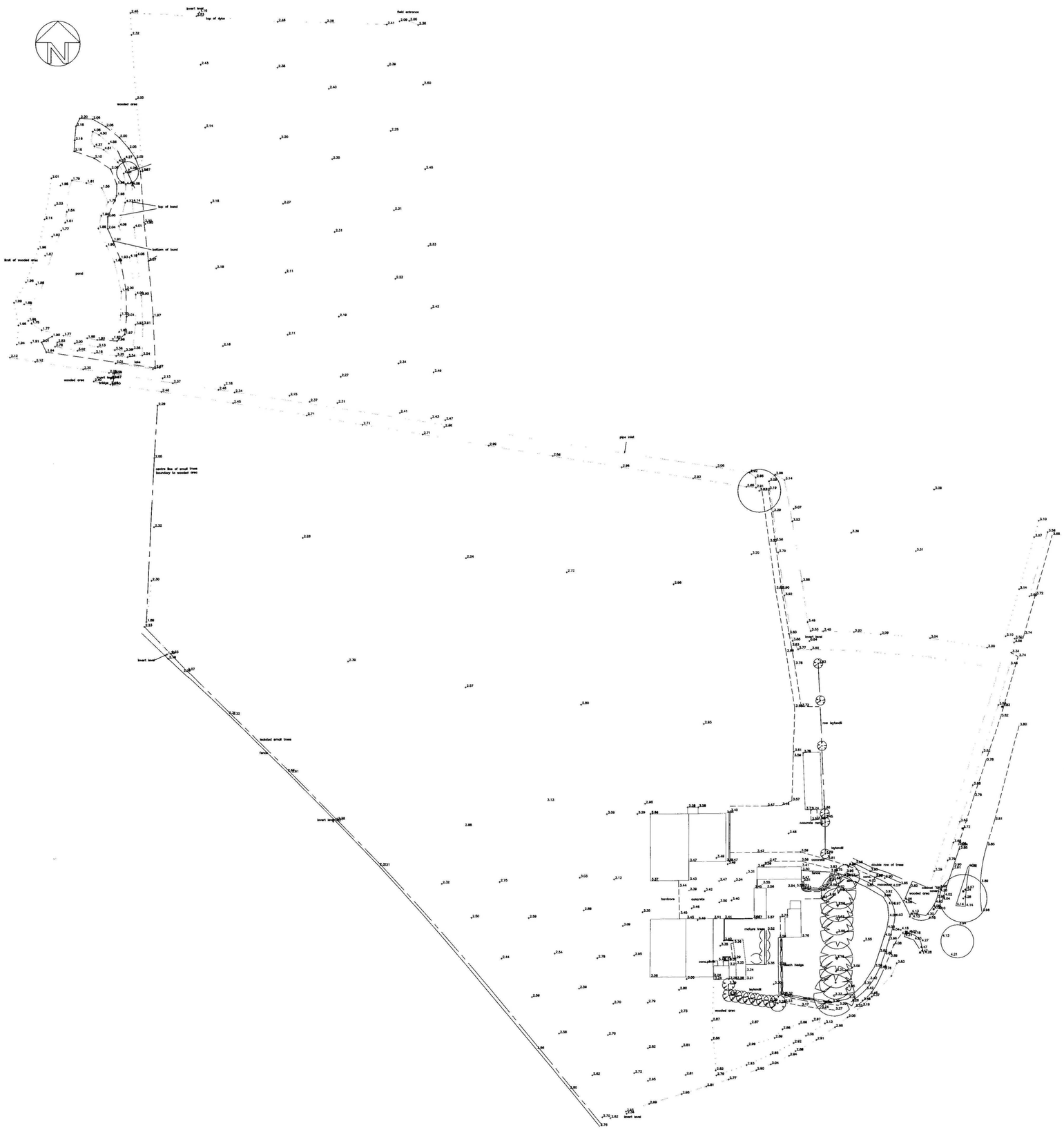
Title:
Plan Showing
Site Boundary

Date	Feb 2011	Scale	1:2000 @A3
Drawn	AS	Checked	SRC
Design	-	File Name	40210-03

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0377-11

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Project

Proposed AD Plant Park Farms Donnington, Lincs

Title

Site Survey

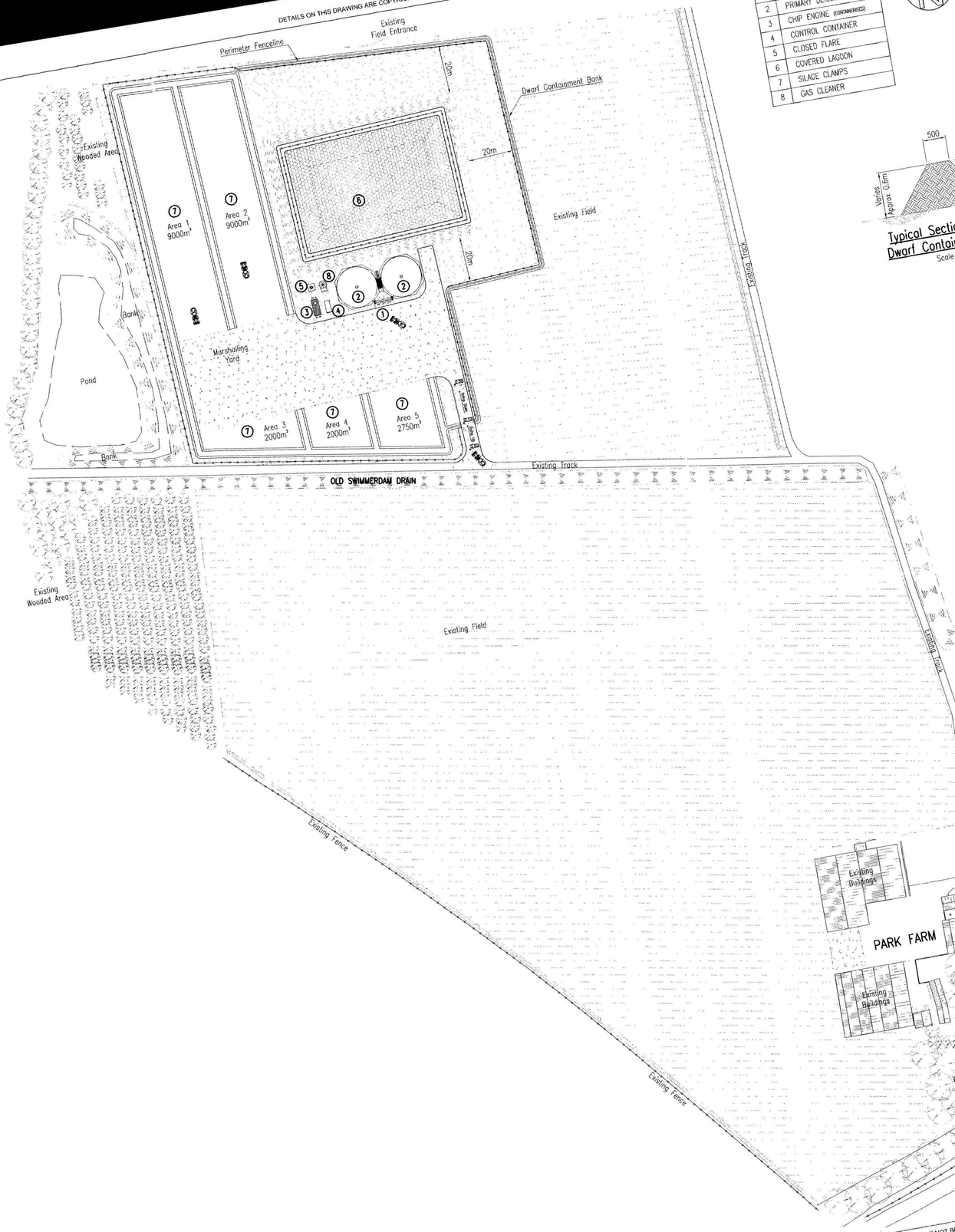
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Design		File Name	40210-01

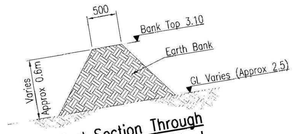
DRG No. 40210/01 Rev -

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Item	Decription
1	SOLID FEEDING SYSTEM
2	PRIMARY DEIGESTER TANKS
3	CHP ENGINE (CONCRENERGED)
4	CONTROL CONTAINER
5	CLOSED FLARE
6	COVERED LAGOON
7	SILAGE CLAMPS
8	GAS CLEANER





Typical Section Through Dwarf Containment Bank
Scale 1:50

18 MAY 2011
0377-11

Rev	Date	Remarks
A	03/05/10	Site Layout Updated.

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Project: Proposed AD Plant
Park Farms
Donnigton, Lincs

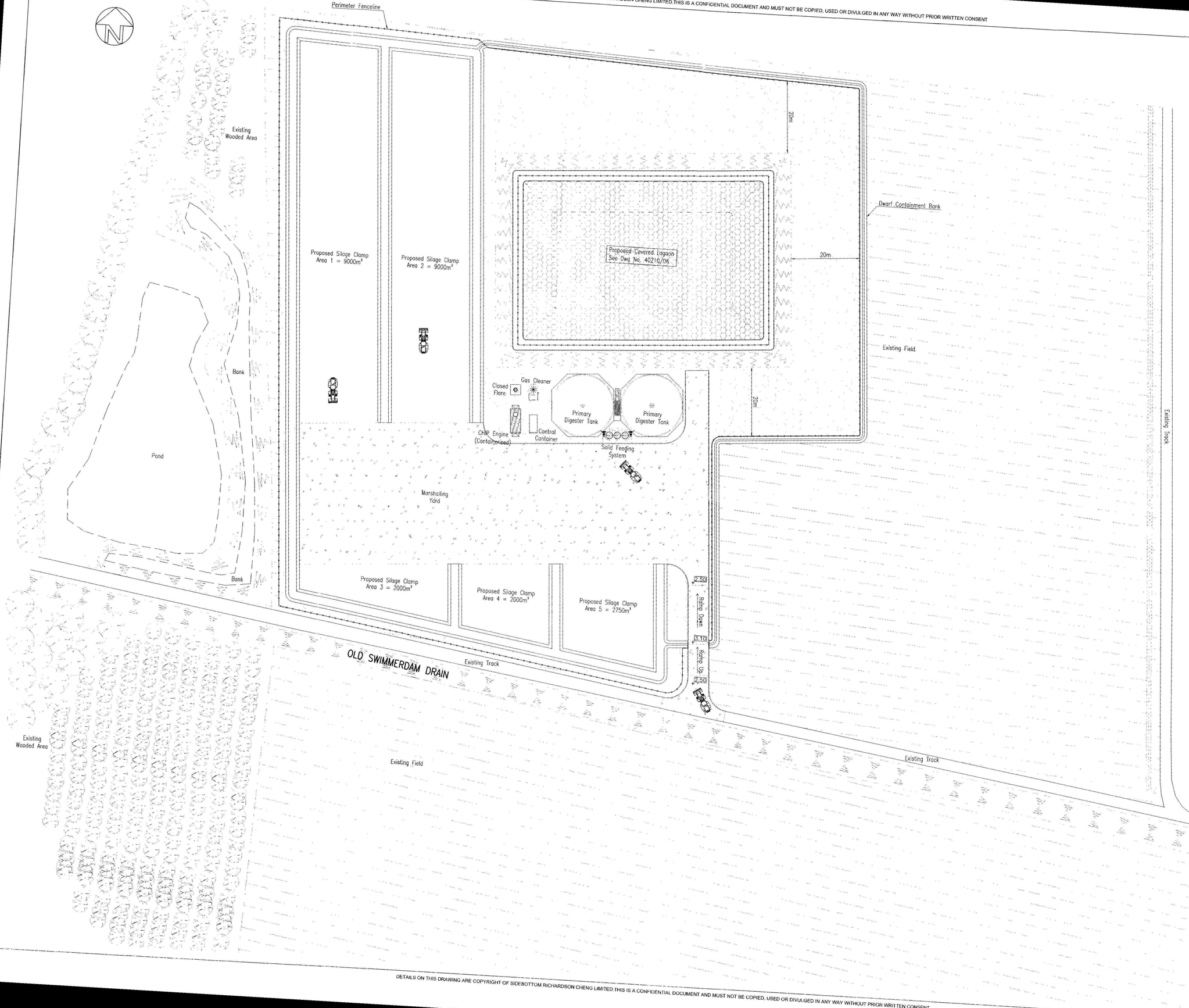
Title: Proposed Site Layout

Date	Feb 2010	Scale	1:1000 @A1
Drawn	AS	Checked	SRC
Design		File Name	40210-04

DRG No. 40210/04 Rev A

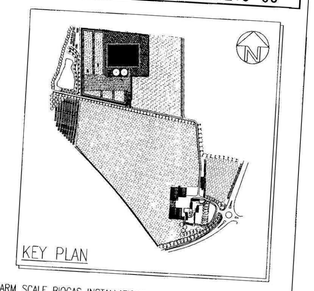
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FOR PROPOSED SITE LAYOUT PLEASE REFER TO DRAWING 40210-04

FOR PROPOSED COVERED LAGOON SEE REFER TO DRAWING NO. 40210-06



FARM SCALE BIOGAS INSTALLATIONS

The basic features of a Farm Scale biogas installations by 'F.L.I Energy' such as the proposed site typically include the following:

- Solid & Liquid Feeding Systems – Including pumped liquid feed and augured solid feed from hopper with integrated vertical mixing system
- Primary and After digester/s – Constructed using insulated concrete tanks with integrated heating pipes in the wall and floor to maintain the appropriate process temperature.
- Digester Mixing – By using a combination of side mounted paddle and propeller mixers which prevent floating layers in the tank and ensure maximum homogeneity in the digester.
- Gas Storage – the tanks are equipped with an integrated gas storage system using a double membrane dome over the tanks.
- Control System – Providing control and monitoring of the equipment and process
- CHP – Biogas Engine with integral generator producing electricity and heat.

18 MAY 2010
0377-11

Rev	Date	Remarks
A	03/05/10	Site Layout Updated.

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Project: Proposed AD Plant
Park Farms
Donnington, Lincs

Title: Enlarged Site Layout

Date	Feb 2010	Scale	1:500 @A1
Drawn	AS	Checked	SRC
Design		File Name	40210-05

DRG No. 40210/05 Rev A

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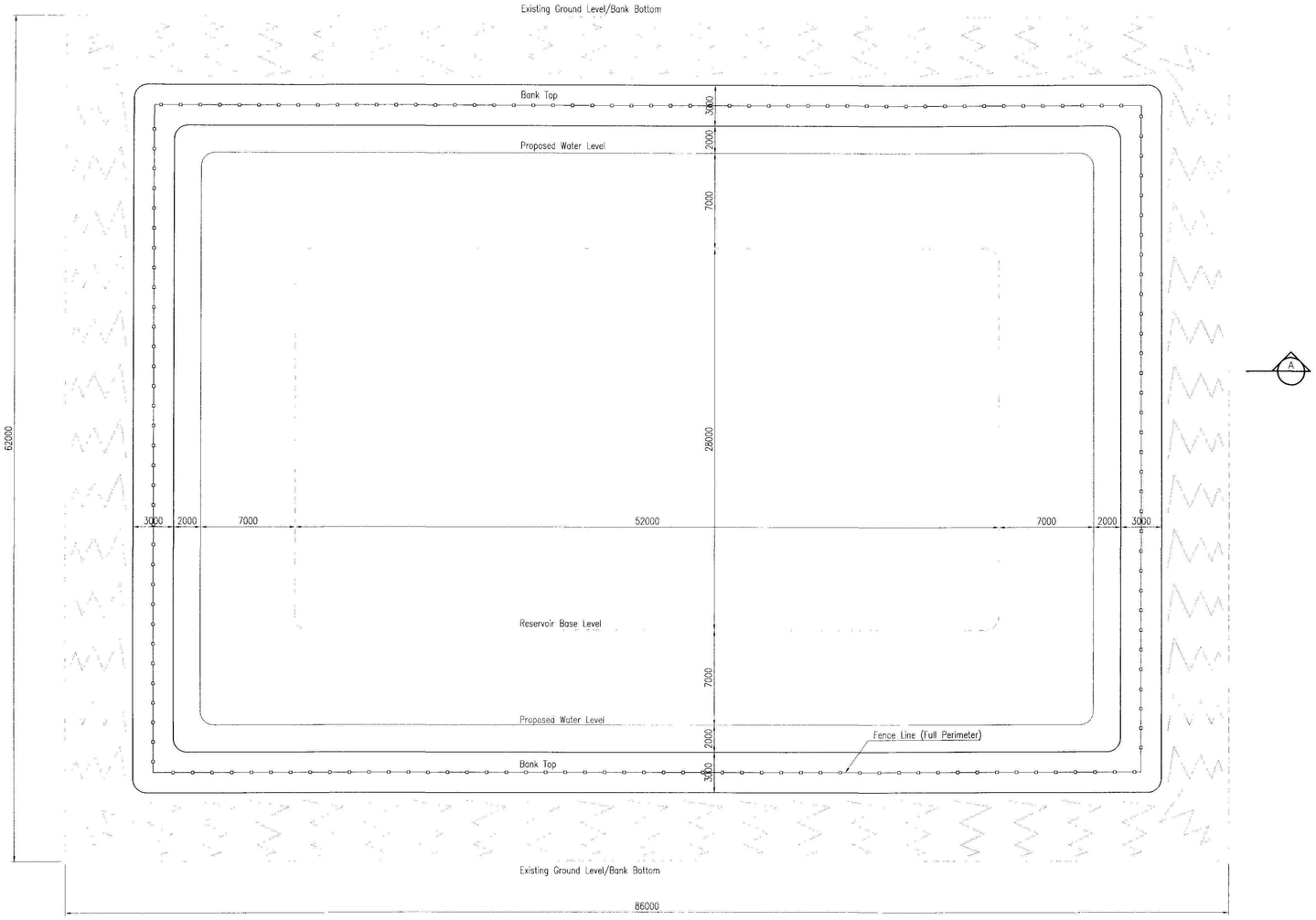
FOR PROPOSED SITE LAYOUT PLEASE REFER TO DRAWING 40210-04

FOR ENLARGED PROPOSED SITE LAYOUT PLEASE REFER TO DRAWING 40210-05

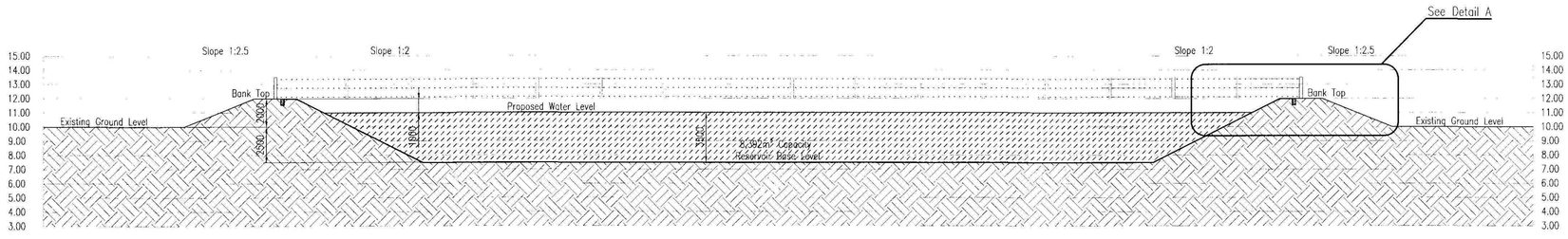
PROPOSED COVERED LAGOON
- Length: 70metres
- Width: 46metres
- Depth: 4.5metres
- End Slope: 2
- Side Slope: 1

The Total Volume Of The Lagoon: 11,452 m³ (404,441 ft³, 14,979 yd³, 11,452,500 litres 2,519,196 Imp. gal. 3,025,430 US gal.)

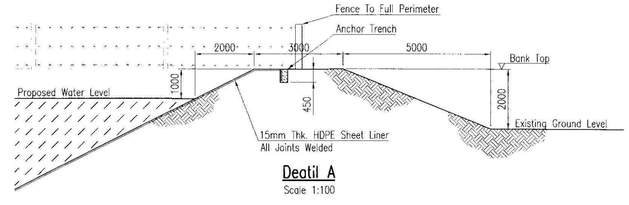
The Total Volume Of Water That Is 3.5metres Deep: 8,392m³ (296,355ft³, 10,976yd³, 8,391,833litres, 1,845,944Imp. gal. 2,216,888US gal.)



Plan Of Proposed Reservoir
Scale 1:250



Section A-A
Scale 1:250



Deatil A
Scale 1:100

18 NOV 2010
03-77-11

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www.scltd.com

Project: Proposed AD Plant, Park Farms, Donnigton, Lincs

Title: Proposed Covered Lagoon

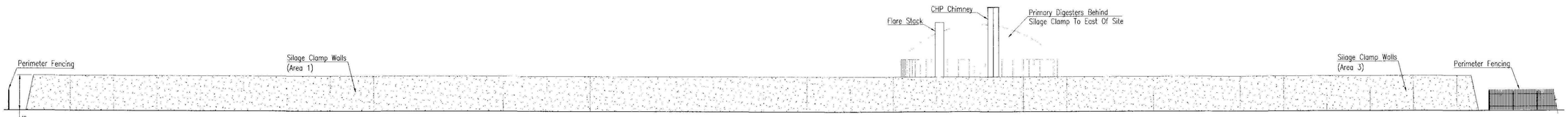
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Design		File Name	40210-06

DRG No. 40210/06 Rev -

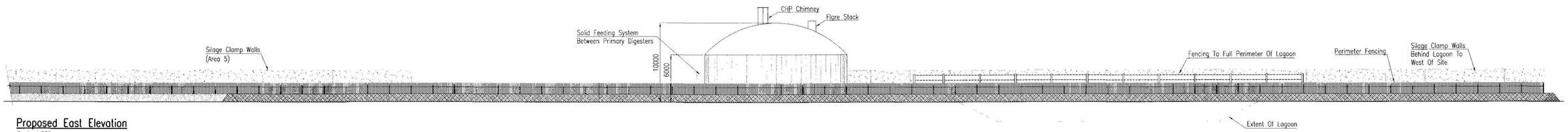
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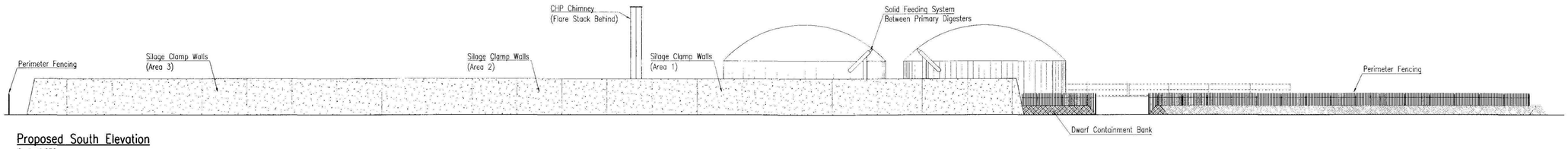
FOR ENLARGED PROPOSED SITE LAYOUT
PLEASE REFER TO DRAWING 40210-05



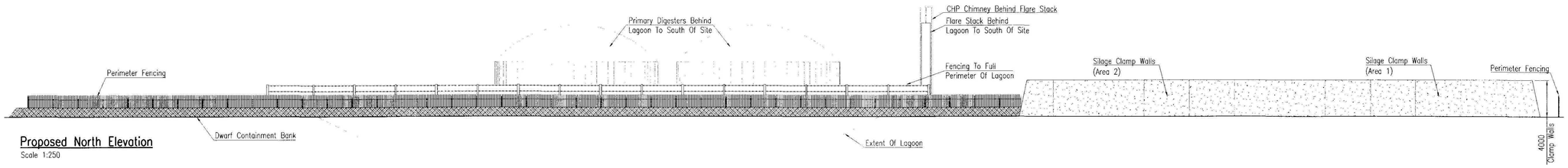
Proposed West Elevation
Scale 1:250



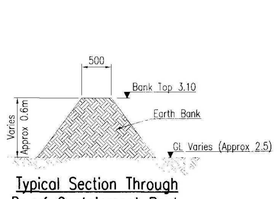
Proposed East Elevation
Scale 1:250



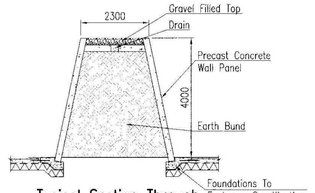
Proposed South Elevation
Scale 1:250



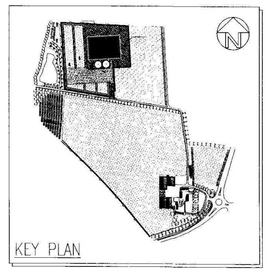
Proposed North Elevation
Scale 1:250



Typical Section Through Dwarf Containment Bank
Scale 1:50



Typical Section Through Silage Clamp Walls
Scale 1:100



Rec'd 18 NOV 2010
Ref: 0377-11

Rev	Date	Remarks

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Project
Proposed AD Plant
Park Farms
Donnington, Lincs

Title
Elevations To
Proposed Site Layout

Date	Feb 2010	Scale	1:250, 1:100 @A1
Drawn	AS	Checked	SRC
Design		File Name	40210-07

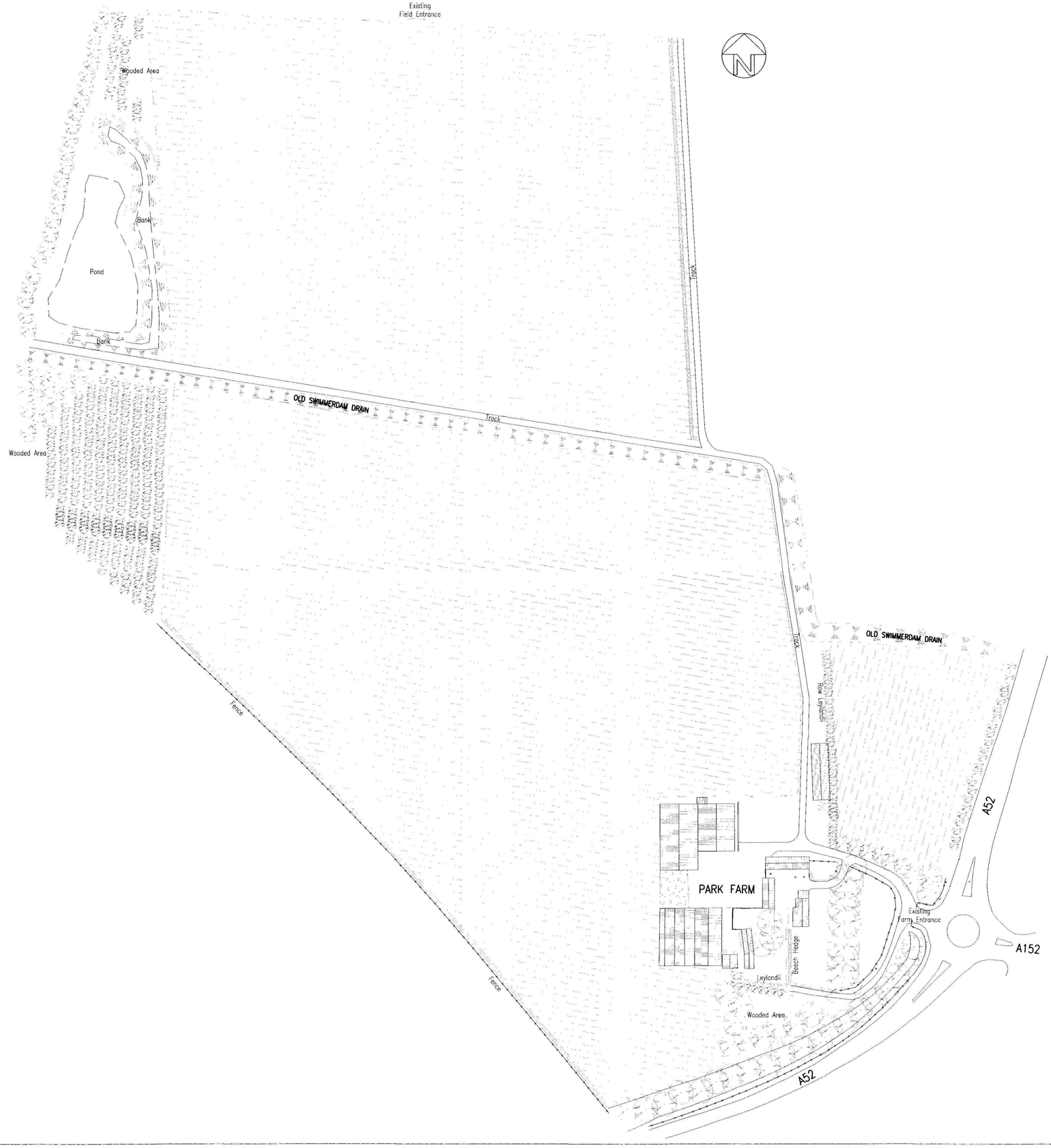
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FOR ENLARGED PROPOSED SITE LAYOUT PLEASE REFER TO DRAWING 40210-05



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0377-11

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Project
Proposed AD Plant
Park Farms
Donnington, Lincs

Title
Existing Site Layout

Date	Feb 2010	Scale	1:1000 @A1
Drawn	AS	Checked	SRC
Design		File Name	40210-08

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