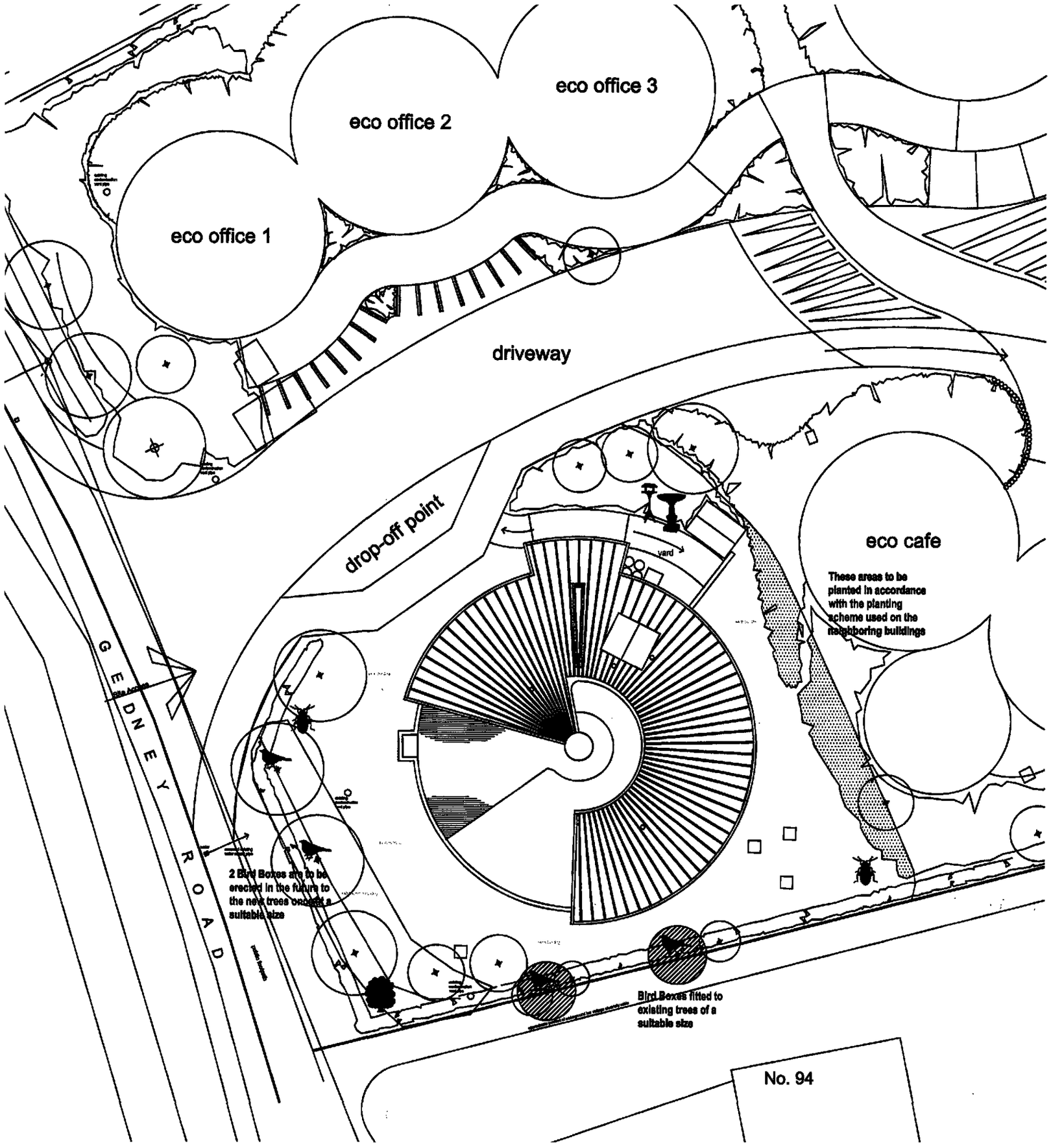
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Key

Log Pile



Bug Box



Bird Box



Bird Table



Bird Bath



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Planning & Development
16 AUG 2010
Ref: 0678-10

PROJECT
Proposed Autonomous Dwelling, 2 Hoddins Way, Long Sutton, PE12 9JB

DRAWING
Ecology Plan

DRAWN	DATE	DRAWING NO.
JG	12.01.2010	656/LD/03
CHECKED	SCALE	

SEARCH ARCHITECTS
SUSTAINABLE ECOLOGICAL ARCHITECTURE LTD
9 Hoddins Way
Long Sutton
Spalding
Lincolnshire
PE12 9JB
T:01406 364646

Specification Notes:

1. General Notes

- All planting and seeding to be carried out to BS 3936.

2. Tree Planting

- Excavate tree pits to the following sizes:

Semi mature trees	-	2100 dia x 900mm depth
Extra heavy standard trees	-	1500 dia x 900mm depth
Heavy standard trees	-	1500 dia x 900mm depth
Standard trees	-	900 dia x 900mm depth

- Retain topsoil for re-use and remove subsoil from site to designated subsoil heaps.
- Backfill trees with 80 litres of tree planting compost incorporated into topsoil.
- Tree support - Semi-mature, Extra heavy standard and Heavy standard trees to be supported by means of underground guying. Rootballed standard trees to be double staked and bareroot standard trees to be single staked. All trees to be secured to tree stakes with appropriate tree ties and spacers.
- Mulch trees to 75mm depth with 'Bark Nuggets' over area of tree pit.
- Check stakes, ties and spacers regularly to prevent damage to tree trunks and remove when trees are judged to be well established and self supporting.

3. Hedge Planting

- Cultivate 500mm wide strip 300mm deep and plant in a single row unless otherwise stated at the spacings specified in the plant schedule.
- To perimeter hedges cultivate 750mm wide strip 300mm deep and plant in a double staggered row.

4. Groundcover and Shrub Planting

- Cultivate all shrub planting areas to a depth of 300mm and plant shrubs in positions shown.
- Mulch shrub beds with 75mm 'Bark Nuggets'.
- Maintain all planting areas in a weed free condition by appropriate herbicide treatment as necessary until ground is covered by new planting. Hand weed tall weeds as necessary and maintain a tidy appearance.

5. Wildflower Grassland Seeded Areas

- Cultivate to a depth of 150mm and prepare ground in accordance with specification. Sow seed mix at a rate of 3g/sq.m.

Mixed Hedge

Species	No. Breaks	Overall Height	Form	Root Condition	Plant Spacing	No.
Crataegus monogyna	min 3	30-50	Transplant	2+1	See matrix	49
Acer campestre	min 3	30-50	Transplant	2+1	See matrix	49
Alnus glutinosa	min 3	30-50	Transplant	2+1	See matrix	24
Salix fragilis	min 3	30-50	Transplant	2+1	See matrix	49
Betula pendula	min 3	30-50	Transplant	2+1	See matrix	25
Sambucus nigra	min 3	30-50	Transplant	2+1	See matrix	49

Trees

Species	Girth	Overall Height	Form	Root Condition	No.
Crataegus monogyna	8-10	min 180cm	Standard	BR	2
Acer campestre	8-10	min 180cm	Standard	BR	2
Alnus glutinosa	8-10	min 180cm	Standard	BR	2
Sambucus nigra	8-10	min 180cm	Standard	BR	2

Planting Mix A

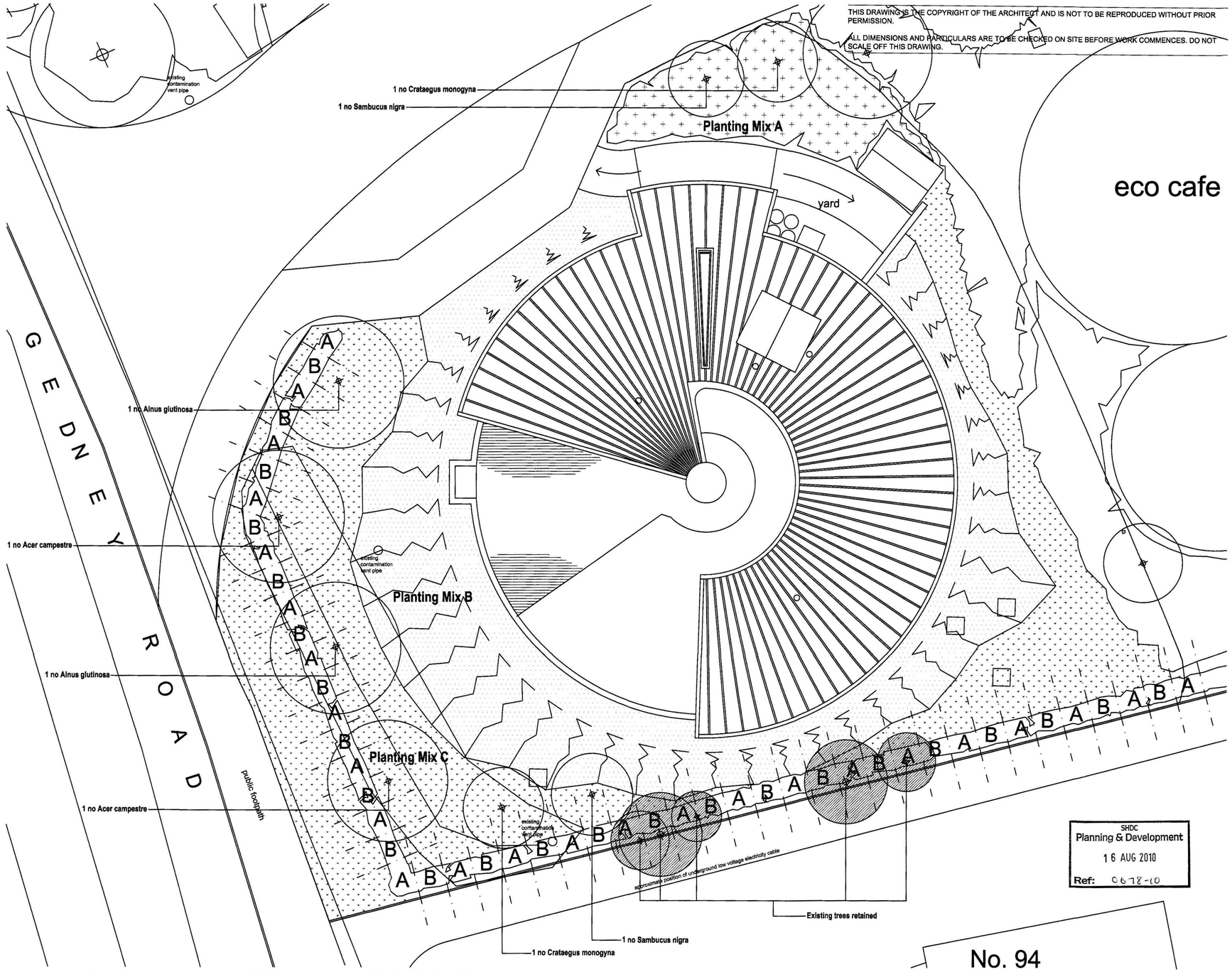
Species	No. Breaks	Overall Height	Form	Root Condition	Plant Spacing	%	No.
Crataegus monogyna	min 5	20-30	2L	container	5 per m²	20	30
Corylus maxima	min 5	20-30	2L	container	5 per m²	25	38
Ilex aquifolium	min 5	45-60	3L	container	5 per m²	30	45
Sambucus nigra	min 5	20-30	2L	container	5 per m²	25	38

Planting Mix B-Bunding

Species	No. Breaks	Overall Height	Form	Root Condition	Plant Spacing	%	No.
Vinca major	min 3	-	2L	container	5 per m²	60	396
Berberis empetrifolia	min 3	-	2L	container	5 per m²	40	264

Planting Mix C-Wildflower Grassland

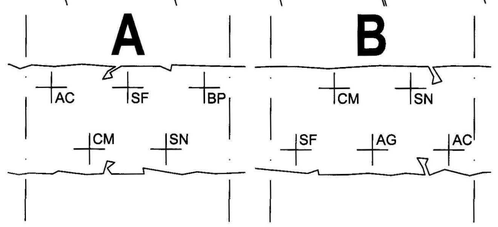
Species	%	Quantity (g)
Stachys officinalis	1.6	6.86
Lotus corniculatus	2	8.58
Medicago lupulina	2	8.58
Ranunculus acris	3	12.87
Trifolium pratense	1	4.29
Trifolium dubium	0.4	1.72
Trifolium repens	0.4	1.72
Primula veris	1	4.29
Taraxacum officinale	0.4	1.72
Galium verum	1	4.29
Origanum vulgare	0.6	2.57
Plantago media	2	8.58
Prunella vulgaris	3	12.87
Linaria vulgaris	1	4.29
Achillea millefolium	0.6	2.57
Agrostis castellana	8	34.32
Festuca rubra	20	85.8
Cynosurus cristatus	16	68.64
Festuca Pratensis	20	85.8
Poa pratensis	16	68.64



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Hedge Planting Matrix

CM-Crataegus monogyna (hawthorn)

AC-Acer campestre (field maple)

AG-Alnus glutinosa (black alder)

SF-Salix fragilis (crack willow)

BP-Betula pendula (silver birch)

SN-Sambucus nigra (elder)

No. 94

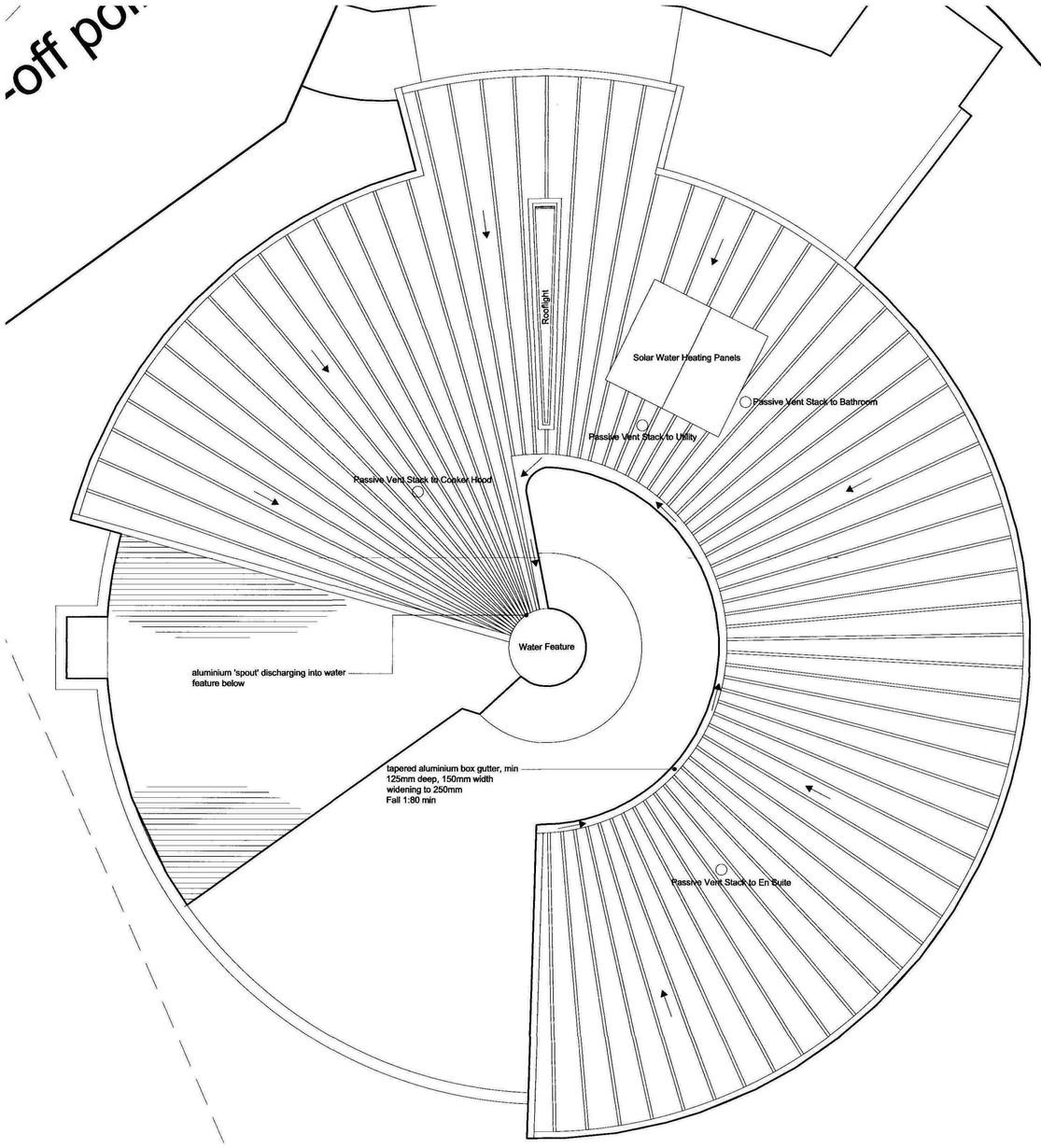
PROJECT
Proposed Autonomous Dwelling, 2 Hoddins Way, Long Sutton, PE12 9JB

DRAWING
Planting Plan

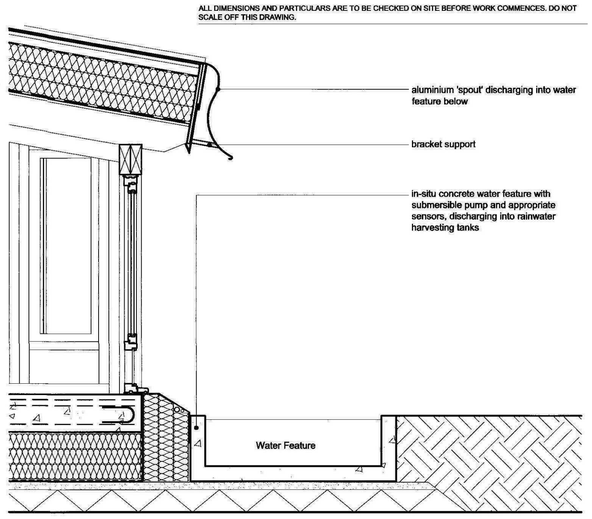
DRAWN	DATE	DRAWING NO.
JG	12.01.2010	656/LD/01
CHECKED: KB	SCALE: 1:100 @ A2	

SEARCH ARCHITECTS
9 Hoddins Way
Long Sutton
Spalding
Lincolnshire
PE12 9JB
T:01406 364646
E:molearch@searcharchitects.co.uk

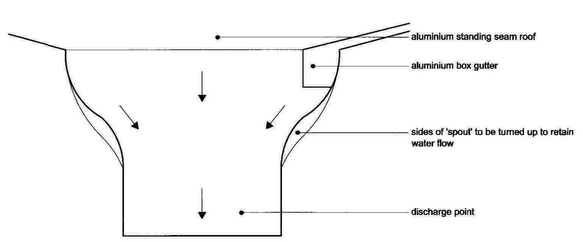
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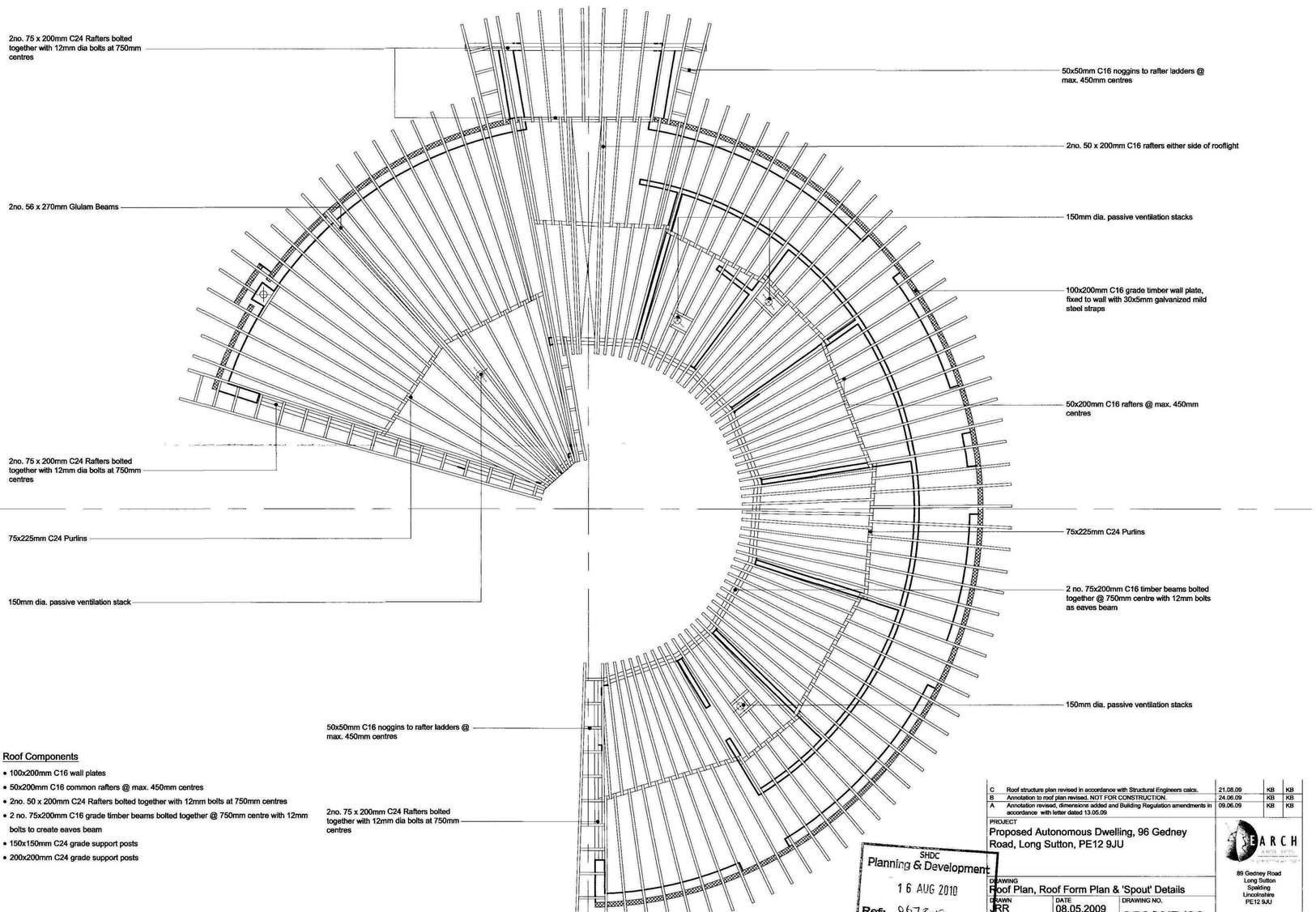
Roof Form Plan 1:50



Section at 'Spout' & Water Feature 1:20



Elevation of 'Spout' 1:10



Roof Components

- 100x200mm C16 wall plates
- 50x200mm C16 common rafters @ max. 450mm centres
- 2no. 50 x 200mm C24 Rafters bolted together with 12mm bolts at 750mm centres
- 2 no. 75x200mm C16 grade timber beams bolted together @ 750mm centre with 12mm bolts to create eaves beam
- 150x150mm C24 grade support posts
- 200x200mm C24 grade support posts

C	Roof structure plan revised in accordance with Structural Engineers calcs.	21.08.09	KB KB
B	Annotation to roof plan revised. NOT FOR CONSTRUCTION.	24.06.09	KB KB
A	Annotation revised, dimensions added and Building Regulation amendments in accordance with letter dated 13.06.09	09.06.09	KB KB

PROJECT
Proposed Autonomous Dwelling, 96 Gedney Road, Long Sutton, PE12 9JU

DRAWING
Roof Plan, Roof Form Plan & 'Spout' Details

DRAWN	DATE	DRAWING NO.
JRR	08.05.2009	656/WB/03

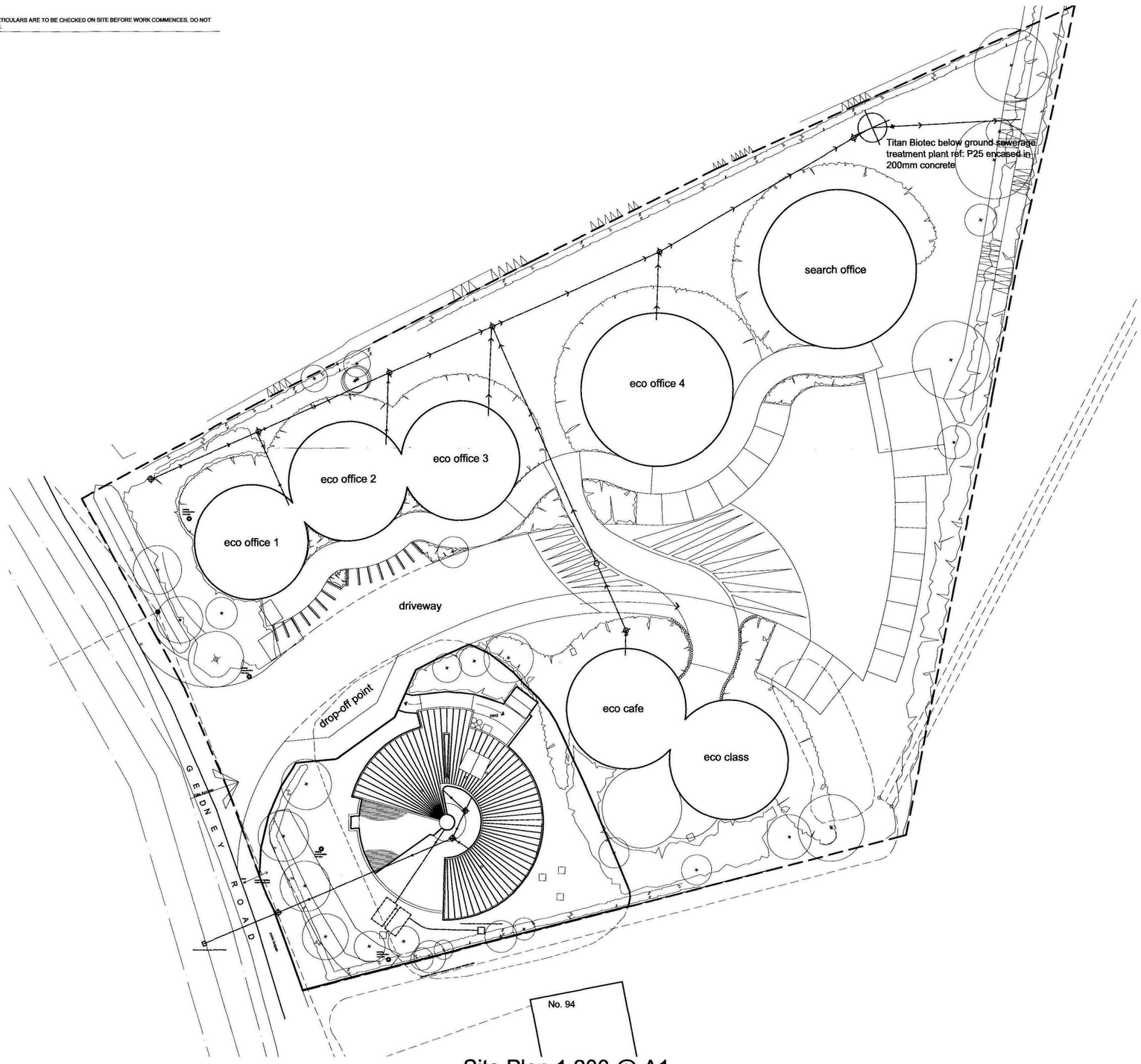
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Long Sutton
Spalding
Lincolnshire
PE12 9JU
T:01406 364646

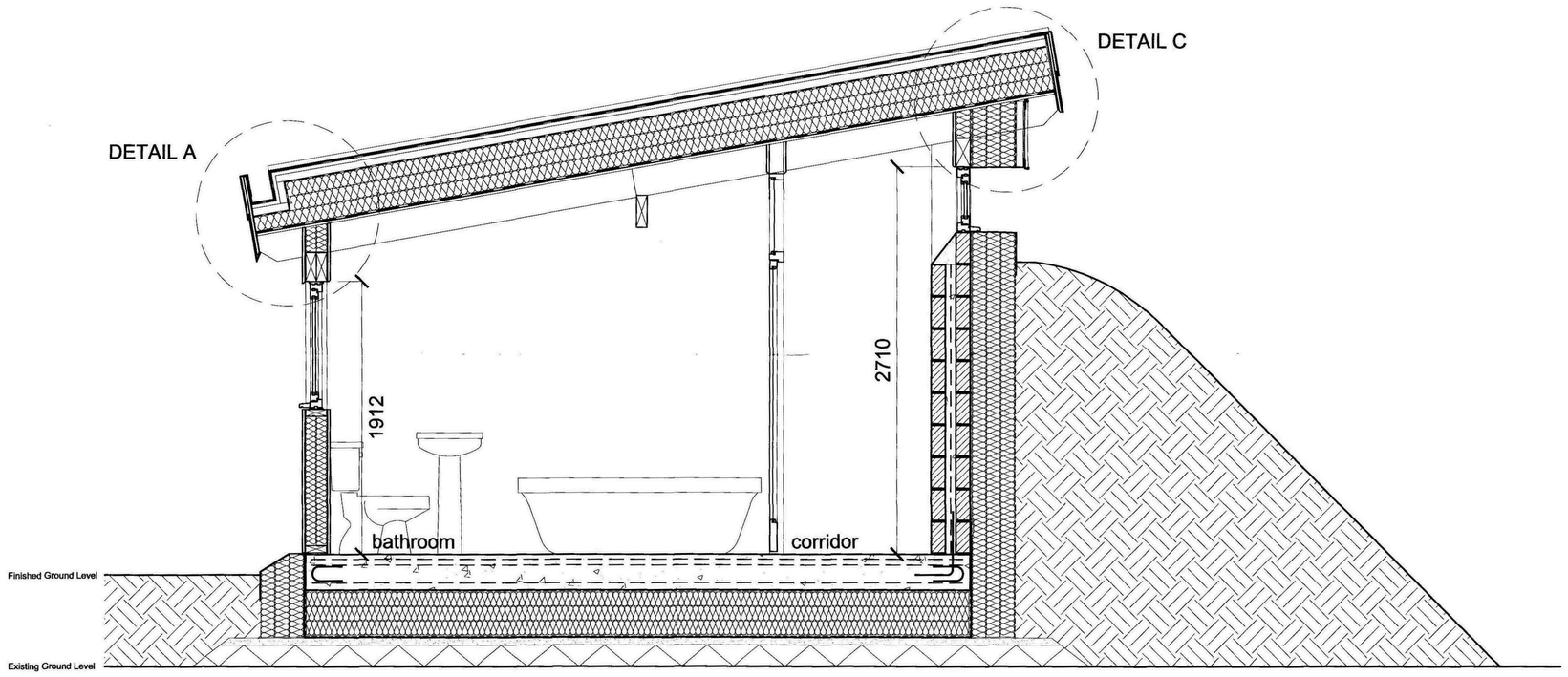
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16 AUG 2010
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Site Plan 1:200 @ A1



Section A-A 1:20 @ A1

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Ref: 0678-10

C	Site layout revised to match floor plans.	26.08.09	KB KB
B	Purlin added to main roof.	21.08.09	KB KB
A	Gutter revised and roof plan to site layout revised.	10.06.09	KB KB

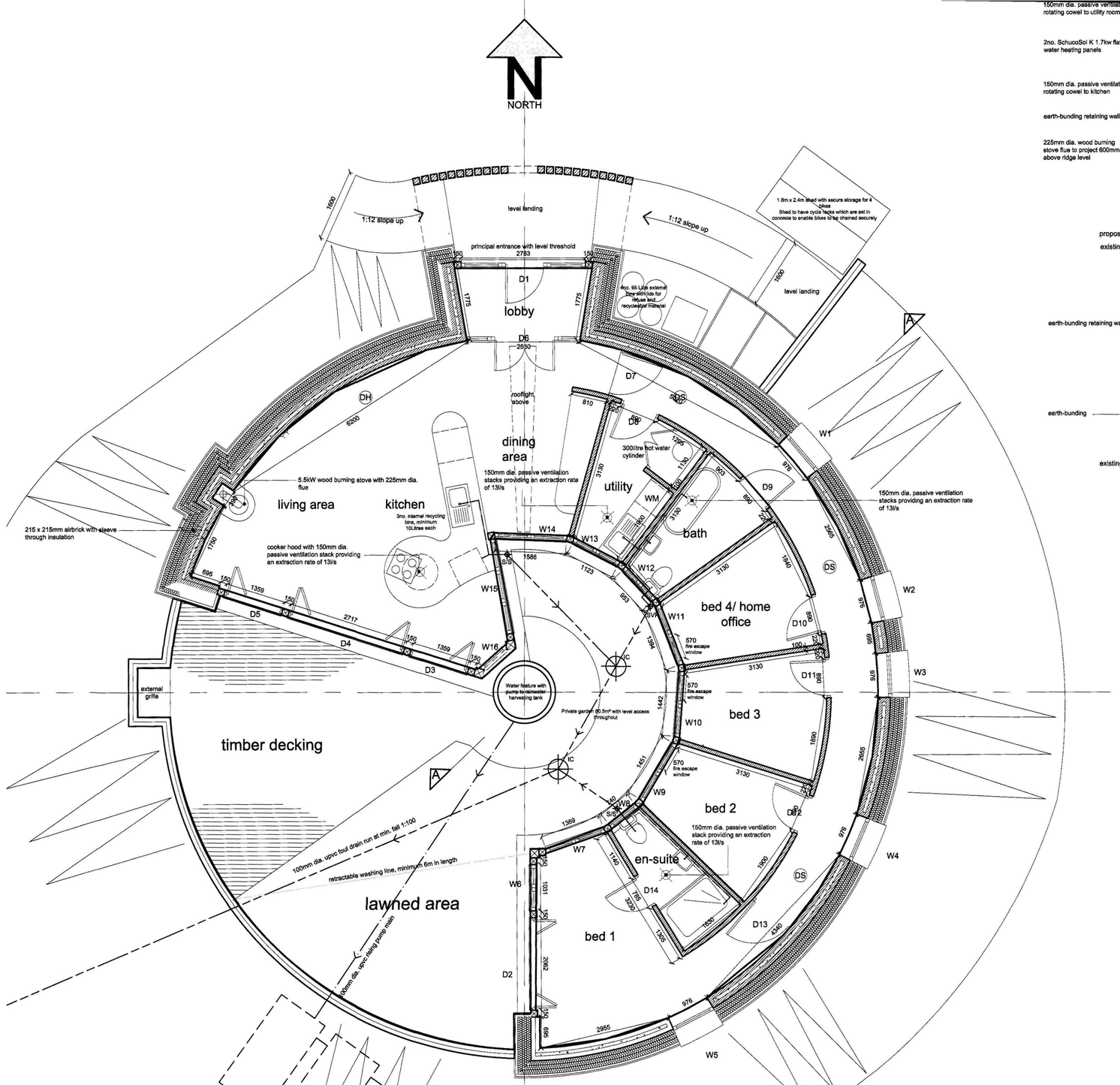
PROJECT
Proposed Autonomous Dwelling, 96 Gedney Road, Long Sutton, PE12 9JU

DRAWING
Section A-A and Site Plan

DRAWN	DATE	DRAWING NO.
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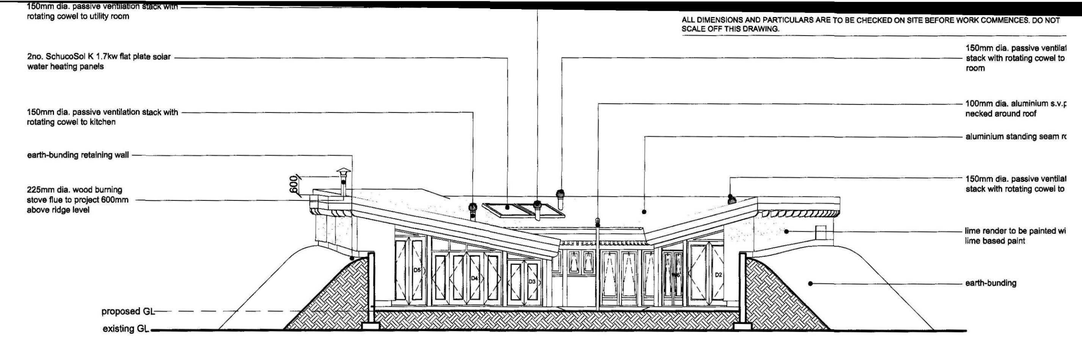
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89 Gedney Road
Long Sutton
Spalding
Lincolnshire
PE12 9JU

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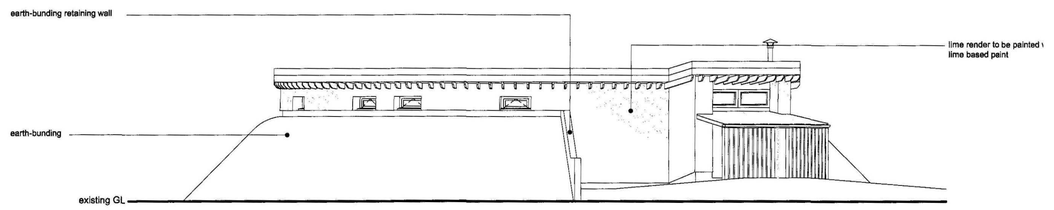


Ground Floor Plan 1:50 @ A1

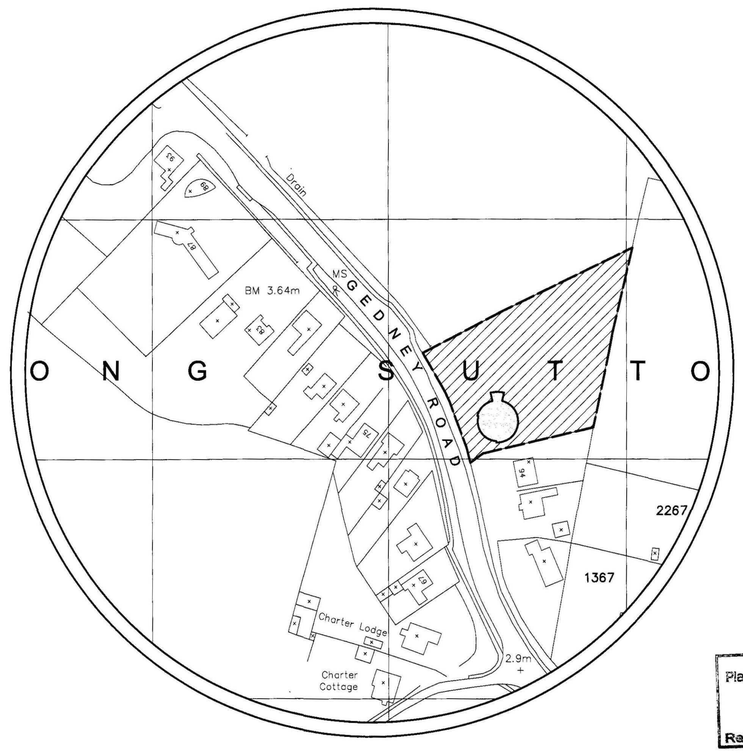
(Gross Floor Area = 117.4m2)



(South - East) Elevation 1:100 @ A1



(North - West) Elevation 1:100 @ A1



Location Plan 1:1250 @ A1

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16 AUG 2010
Ref: 0678-10

B	Revised following Code for Sustainable Homes pre-assessment. Shed added, recycling and refuse bin information added, doors handed.	26.08.09	KB	KB
A	Annotation revised, dimensions added and Building Regulation amendments in accordance with letter dated 13.05.09	09.08.09	KB	KB

PROJECT
Proposed Autonomous Dwelling, 96 Gedney Road, Long Sutton, PE12 9JU

DRAWING
Floor Plans, Elevations & Location Plan

DRAWN	DATE	DRAWING NO.
JRR	08.05.2009	656/WB/01
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KB	See dwg.	

SEARCH ARCHITECTS
89 Gedney Road
Long Sutton
Spalding
Lincolnshire
PE12 9JU
T:01406 364646
E:mail@searchlincs.co.uk

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Planning & D
16 AU
Ref: 06

Specification Notes:

1. **General Notes**
- All planting and seeding to be carried out to BS 3936.

2. **Tree Planting**

- Excavate tree pits to the following sizes:

Semi mature trees	-	2100 dia x 900mm depth
Extra heavy standard trees	-	1500 dia x 900mm depth
Heavy standard trees	-	1500 dia x 900mm depth
Standard trees	-	900 dia x 900mm depth

- Retain topsoil for re-use and remove subsoil from site to designated subsoil heaps.
- Backfill trees with 80 litres of tree planting compost incorporated into topsoil.
- Tree support - Semi-mature, Extra heavy standard and Heavy standard trees to be supported by me of underground guying. Rootballed standard trees to be double staked and bareroot standard trees single staked. All trees to be secured to tree stakes with appropriate tree ties and spacers.
- Mulch trees to 75mm depth with 'Bark Nuggets' over area of tree pit.
- Check stakes, ties and spacers regularly to prevent damage to tree trunks and remove when trees judged to be well established and self supporting.

3. **Hedge Planting**

- Cultivate 500mm wide strip 300mm deep and plant in a single row unless otherwise stated at the sp specified in the plant schedule.
- To perimeter hedges cultivate 750mm wide strip 300mm deep and plant in a double staggered row.

4. **Groundcover and Shrub Planting**

- Cultivate all shrub planting areas to a depth of 300mm and plant shrubs in positions shown.
- Mulch shrub beds with 75mm 'Bark Nuggets'.
- Maintain all planting areas in a weed free condition by appropriate herbicide treatment as necessary ground is covered by new planting. Hand weed tall weeds as necessary and maintain a tidy appear

5. **Grass Seeded Areas**

- Cultivate to a depth of 150mm and prepare ground in accordance with specification. Sow seed mix Johnsons's 'J4' grass seed mix at a rate of 25g/sq.m.

Specimen Shrubs

Species	No. Breaks	Overall Height	Form	Root Condition
Cordyline australis 'Atropurea'	-	60-90	Transplant	5L

General Shrubs

	Species	No. Breaks	Overall Height	Form	Root Condition	Pl
LH	Lavendula 'Hidcote'	7-9	20-30	Container grown	3L	7
LT	Lavendula 'Twickel Purple'	7-9	20-30	Container grown	3L	7
R	Rosemarinus officinalis	6-8	30-45	Container grown	3L	7
SO	Salvia officinalis	5-7	20-30	Container grown	3L	7
SP	Salvia officinalis 'purpurascens'	5-7	20-30	Container grown	3L	7
ST	Salvia officinalis 'tricolor'	5-7	20-30	Container grown	3L	7
TC	Thymus citriodorus	multi	10-20	Container grown	3L	7
TV	Thymus vulgaris	multi	10-20	Container grown	3L	7

Climbers

Species	No. Breaks	Overall Height	Form	Root Condition
Lonicera periclymenum	multi	90-120 caned	Container grown	3L
Passiflora caerulea	multi	90-120 caned	Container grown	3L

yard

5no SO
2no TC
4no SP
14no LT
8no R
4no ST
5no SP
4no TV
4no TC
6no LH
7no TV
4no LT
5no ST

1no Cordyline australis 'Atropurea'
1no Cordyline australis 'Atropurea'
1no Cordyline australis 'Atropurea'
1no Passiflora caerulea
1no Lonicera periclymenum

PROJECT
Proposed Autonomous Dwelling, 2 Hoddins Way, Long Sutton, PE12 9JB

DRAWING
Private Garden

DRAWN	DATE	DRAWING NO.
JG	12.01.2010	656/LD/02
CHECKED KB	SCALE 1:50 @ A2	

E:molear