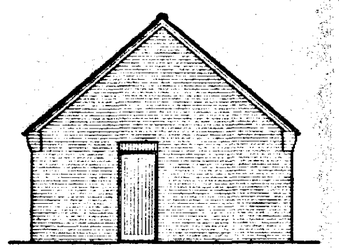
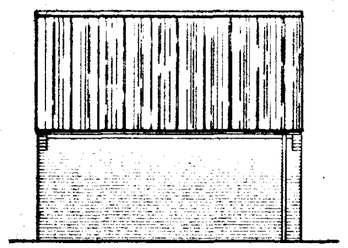


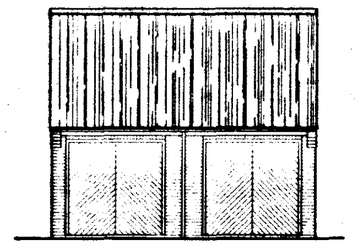
SIDE ELEVATION



SIDE ELEVATION



REAR ELEVATION



FRONT ELEVATION

**PITCHED ROOF CONSTRUCTION.**
Interlocking concrete roof tiles to match existing to B.S. 473 part 2 1971, on 25 x 38 softwood treated battens on underfelt to B.S. 747 ( type 1F ) and in all cases to be lapped by 150mm both vertically and horizontally. Tiles to be laid with min. headlap of 75mm and to be fixed in accordance with respect to wind speed, roof pitch and exposure catergory as detailed in CP3 chapter V part 2 1972. Tumeplate specialist made prefabricated roof trusses to comply with B.S. 5268 part 3 1985. TRUSS CALC'S TO BE SUBMITTED TO L/A. MIN. 28 DAYS PRIOR TO ERECTION. Trusses to be at 600c/c to a pitch of 35 deg. CHECK ON SITE. 38 x 100 ridge node binder 38 x 100 eaves binder. All trusses to be strapped to wall plate by 30 x 5 galvanised metal straps acting as anchor and lateral restraint straps at max. 1.5m c/c. Note: provide solid bridging beneath straps: 50 x 100 wall plate bedded on sand and cement: 25 x 175 fascia boards: 6mm ext. grade plywood soffit complete with 10mm wide continuous air gap and fly proof screen. All

**WALLING.**
Face brickwork to B.S. 5921:1974 for clay bricks and B.S. 187:1978 for calcium silicate bricks: 100mm Tarmac Hamelite insulation block to form 215mm wall

**SUB STRUCTURE WALLING.**
2 x 100mm dense concrete blocks to B.S. 6073 pt.1 1981: DPC to external wall positioned in accordance with CP 102 min. 150 above finished ground level. Brickwork below d.p.c. to be F.L. quality.

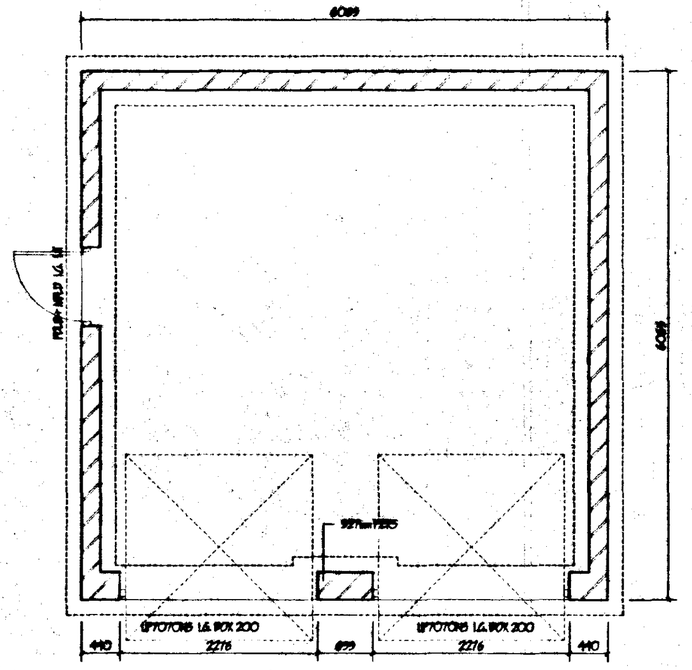
**GROUND FLOOR CONSTRUCTION.**
Strip all vegetable soil and lay floor as follows: 100mm 5:1:4 mix concrete oversite on 1200g polythene D.P.M. lapped continuous with D.P.C. by min. 100mm : 150 blinded and consolidated hardcore

**FOUNDATIONS.**
Under walls as shown provide strip concrete foundations as follows: Under 215 walls provide 225 x 600 all 5:1:4 mix to B.S. 5328 1990
All foundations taken down to bear on load bearing strata min. depth of 600 to top of foundations; should shrinkable soil conditions be found on site then foundations shall be taken down to a depth of 1 metre below ground level.

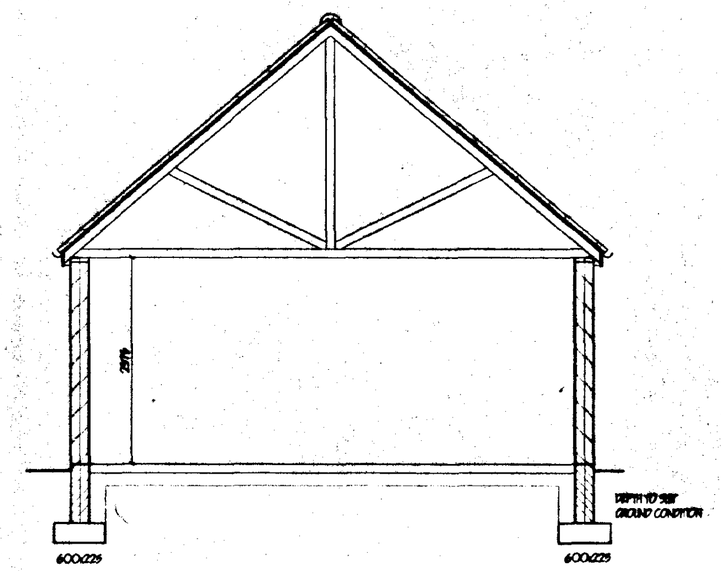
**SURFACE WATER DRAINAGE.**
115 dia. half round rainwater gutters to 69 dia. rainwater pipes 82.4 dia. underground pipes flexibly jointed to a fall of 1:70 pipes bedded and surrounded in pea gravel and discharge to 1.2m dia. soakaway min. 5.0m from dwelling.

**LINTELS.**
All lintels to be manufactured by Messrs. I.G. and to be installed in accordance with makers' instructions, and to have min. end bearing of 150mm and at external positions to have cavity tray D.P.C. to CP. 121: Lintels in openings to be underlined with 12.7 firelines board or receive 12mm render and skim.

**STANDARDS.**
All materials to be new unless otherwise stated and all components and materials etc. to be used fitted and installed etc. in strict accordance with manufacturers instruction and relevant Code of Practice.
Materials shall conform to appropriate British Standard Specification or BBA Certificate or European Code equivalent.




FLOOR PLAN




SECTION

SOUTH HOLLAND DC
HOUSING & PLANNING
11 JUN 2001
Ref: 0699/01

**G. R. MERCHANT**
LEIGH ARICE FTWO

**ARCHITECTURAL, STRUCTURAL AND LAND DRAINAGE CONSULTANTS**

Unit 4, Wrights Mews
12A Park Road, Holbeach,
Spalding, Lincs. PE12 7EE
Tel: 01406 490600
Fax: 01406 425744
E-Mail: G. R. Merchant @ Merchant. Fs. Co. UK

Project
RESIDENTIAL DEVELOPMENT
adj. 123 BROADGATE,
WHAPLODE DROVE,
SPALDING, LINC'S.

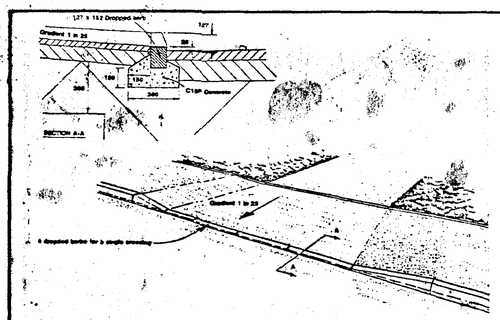
Client
MRS G. REVELL.

Drawing
DOUBLE GARAGE
PLANNING PERMISSION PLAN

| Job Ref | Drawing No |
|---|---|
| 040-00 | 05 |
| Date: AUG '00 | Drawn: G.R.M. |

Scales
1:50 1:100

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DOMESTIC VEHICLE CROSSING (REF. CLAUSE 1.6(A))

**DOMESTIC VEHICLE CROSSING**
(Flexible Construction)

1 Excavate for as necessary and compact the formation prior to laying any foundation material. Provide, lay and compact using vibrating compaction equipment 380mm finished thickness of non-frost susceptible crushed rock, crushed slag or crushed concrete to Type 1 grading. If CBR values are below 2% an approved Geotextile or an extra 150mm of sub-base will be required.

2 Provide, lay and compact 50mm finished thickness of 20mm nominal size dense bitumen macadam basecourse to BS: 4987 using 100 pen bitumen binder. Void content 2.8%.

3 Provide, lay and compact 25mm finished thickness of 6mm nominal size bitumen macadam wearing course to BS: 4987 using 100 pen bitumen binder. Void content 2.10%.

**LANDSCAPING & TREE PLANTING SCHEME**

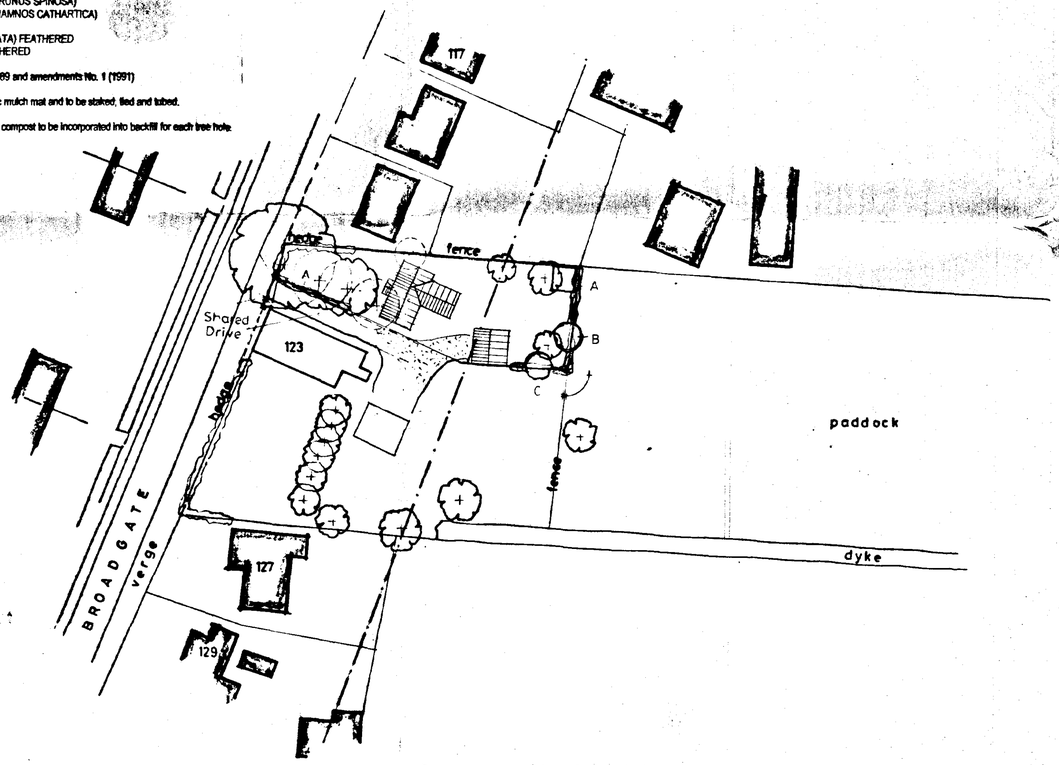
A MIXED HEDGE
- (a) HAWTHORN (CRATAEGUS MONOGYNA)
- (b) BEECH (FAGUS SYLVATICA)
- (c) BLACKTHORN (PRUNUS SPINOSA)
- (d) BUCKTHORN (RHAMNOS CATHARTICA)

B HAWTHORN (CRATAEGUS LAEVIGATA) FEATHERED
C WHITE BEAM (SORBUS ARIA) FEATHERED

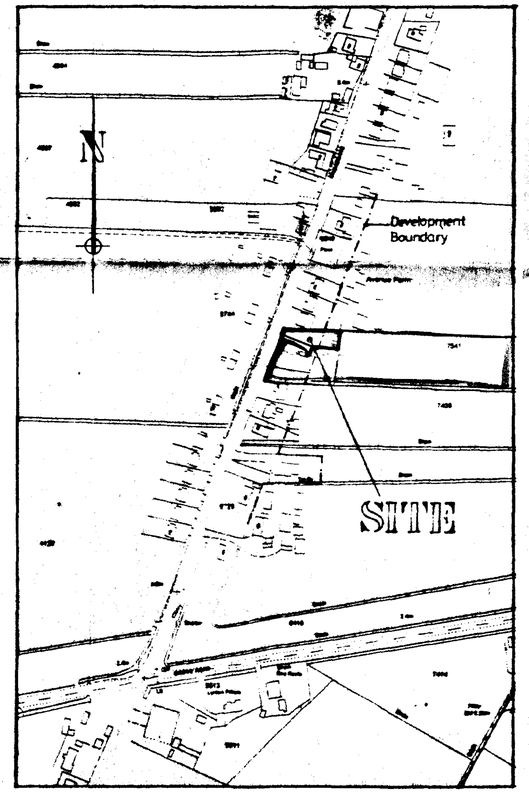
All planting to be in accordance with BS 4428:1989 and amendments No. 1 (1991)

All trees to be planted with minimum 0.6m plastic mulch mat and to be staked, tied and tubed.

1/3 to ½ bag of peat free tree and shrub planting compost to be incorporated into backfill for each tree hole.




SITE PLAN
1 : 500




LOCATION PLAN
1 : 2500

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Septic tank:-
Connect foul water drains to 600 gallon ( 2720 litre ) for upto 4 people and 825 gallon (3750 litre ) for upto 9 people 'klargester' type septic tank constructed in accordance with local authority requirements. The sub-irrigational drainage system to the septic tank is to be determined by percolation test in accordance with the provisions of clause 15.3.2. of BS6297 1983. The applicant is responsible for carrying out the tests and the minimum requirement is 30m2 of sub-irrigational drainage oresuch length as may be determined by the test, whichever is the greater. The council recommend that septic tanks, cesspools and settlement tanks be sited at a minimum distance of 12 metres from dwellings. Applicants are further advised that during times of inclement weather, the ground water level rises accordingly. It is essential that drainage falls to the septic tank are kept to the minimum say 1 in 80, and the tank paticularly the bottle type, is modified by reducing its neck length by cutting to ensure that both inlet and outlet are maintained above ground water level. Environment Agency do not permit septic tank soakaway systems to be situated within 10 metres of any watercourse or to discharge effluent directly or indirectly into an aquifer.
Should the results of the percolation test prove to be unsatisfactory for septic tank drainage due to impervious soil conditions such as clay, then a cesspool of 18000 litres ( 4000 gallons ) capacity, or mini-packaged treatment plant must be used.

PROPOSED

SUPERSEDED

SOUTH HOLLAND DC
HOUSING & PLANNING
11 JUN 2001
Ref: H99/01

**G. R. MERCHANT**
I.ENG AMICE, FIWO,
ARCHITECTURAL, STRUCTURAL
& LAND DRAINAGE CONSULTANT
TEL: HOLBEACH (01406) 490800

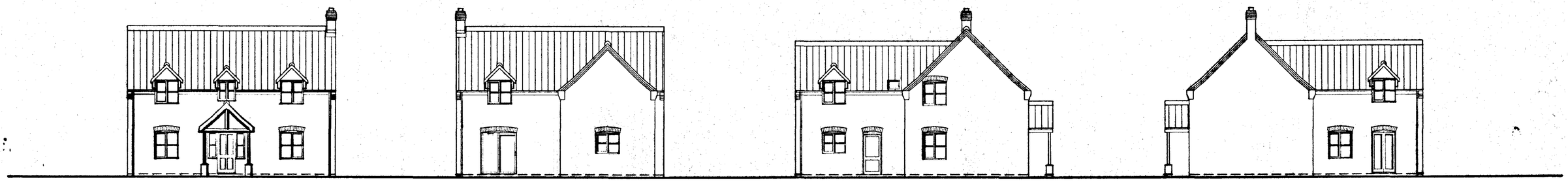
PROJECT:
*4 BEDROOM HOUSE & DETACHED GARAGE*
*ADJACENT TO 123 BROADGATE*
*WHAPLODE DROVE*

CLIENT:
*MRS G. REVELL*

| SCALES: | DATE: |
|---|---|
| *AS INDICATED* | *JULY 2000* |
| G.R. MERCHANT. | DRAWING No.: *040/00/03* |

REVISIONS:

Bammm DS (UK) 99002

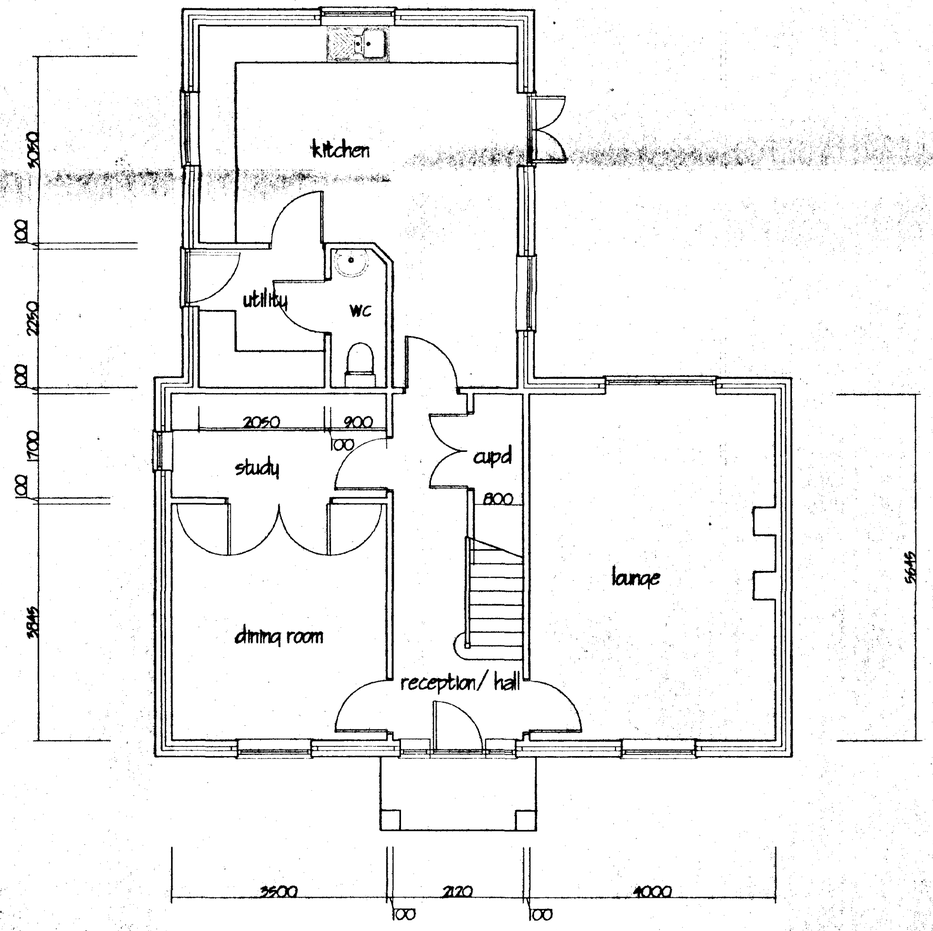


FRONT ELEVATION

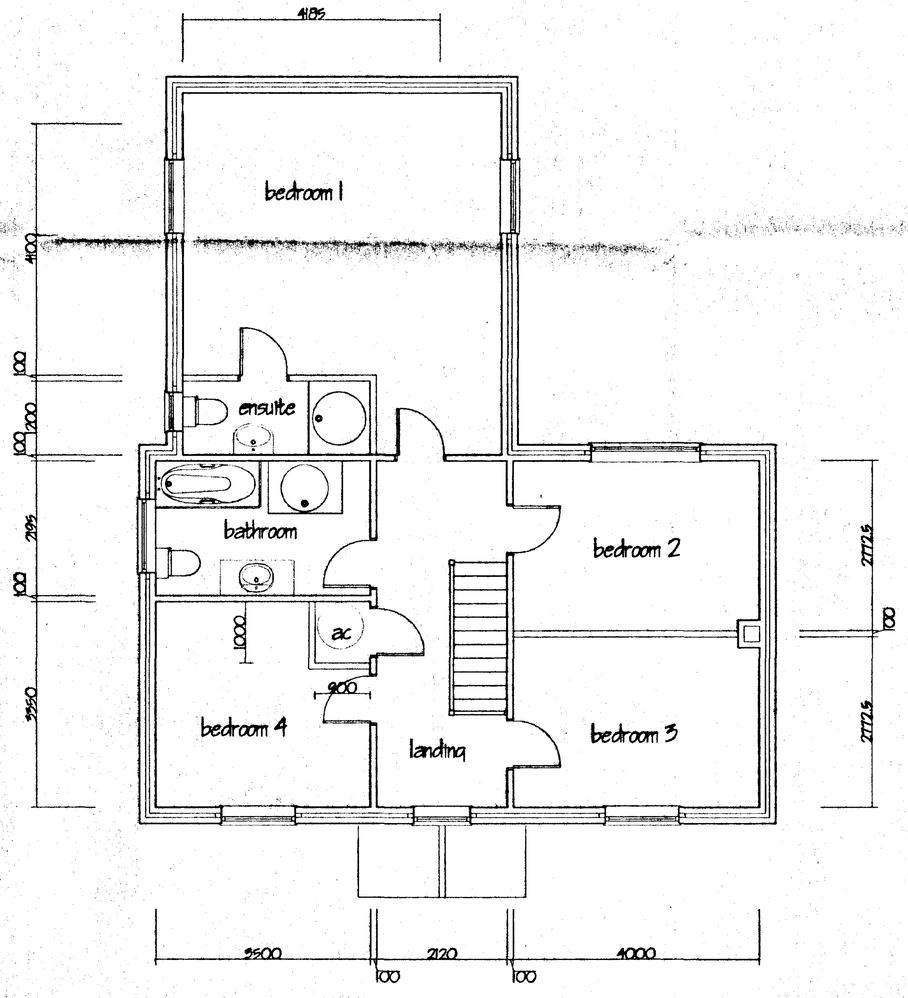
REAR ELEVATION

SIDE ELEVATION

SIDE ELEVATION




GROUND FLOOR LAYOUT PLAN




FIRST FLOOR LAYOUT PLAN

| | | |
|---|---|---|
| A | CLIENT ALTERATIONS | JAN 2001 |
| ref: | revision | date |

**G. R. MERCHANT**
**I.ENG AMICE FIWO**

**ARCHITECTURAL, STRUCTURAL AND LAND DRAINAGE CONSULTANTS**


**Unit 4, Wrights Mews**
**12A Park Road, Holbeach,**
**Spalding, Linc. PE12 7EE**
**Tel: 01406 490600**
**Fax: 01406 425744**
**E-Mail: G. R. Merchant @ Merchant. FS. Co. UK**


Project
4 BEDROOM HOUSE
BROADGATE
WHAPLODE DROVE

Client
MRS G REVELL

Drawing
PLANS AND ELEVATIONS

DETERMINED PLAN

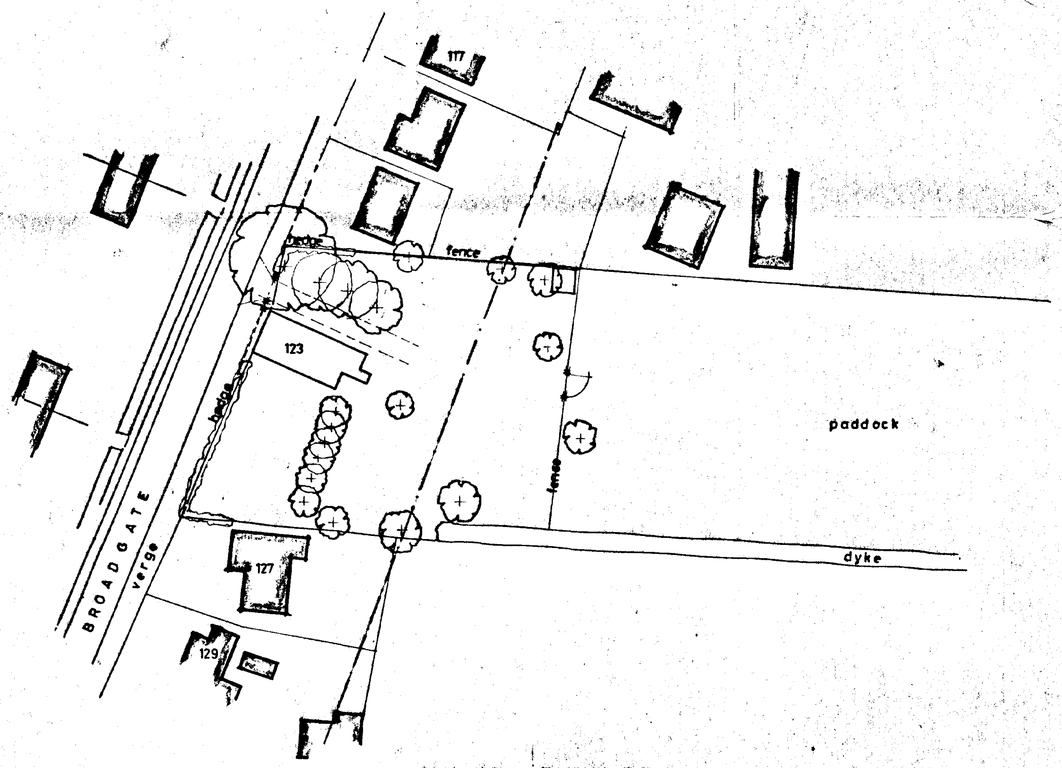
| Job Ref. | Drawing No. |
|---|---|
| 040/00 | 5 |
| **Date** | **Drawn** |
| JUNE 2001 | JPW |

Scales
1/50 1/100

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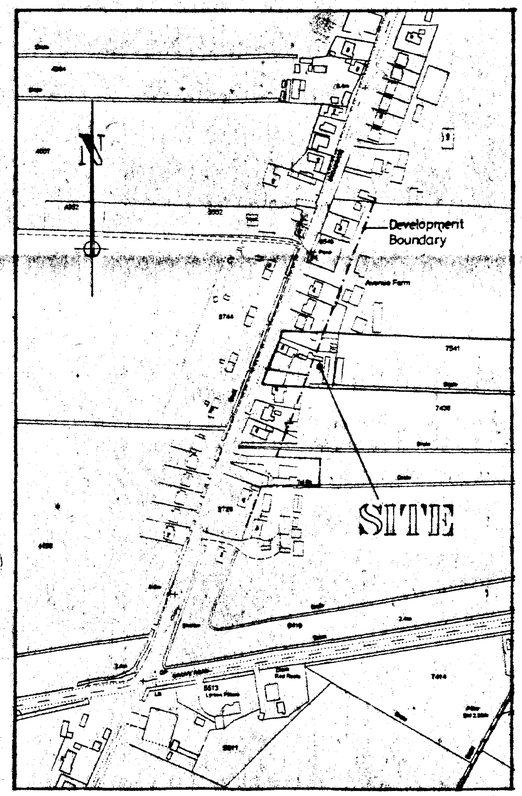

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SOUTH HOLLAND DC
HOUSING & PLANNING
11 JUL 2001
Ref: H99/6L




## SITE PLAN

1 : 500




## LOCATION PLAN

1 : 2500

**EXISTING**


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Summit DS (UK) 99902

DETERMINED PLAN
SOUTH HOLLAND DC
HOUSING & PLANNING
11 JUL 2001
Ref: H699101


**G. R. MERCHANT**
I.ENG AMICE, FIWO,
ARCHITECTURAL, STRUCTURAL
& LAND DRAINAGE CONSULTANT
TEL: HOLBEACH (01406) 490800


PROJECT:

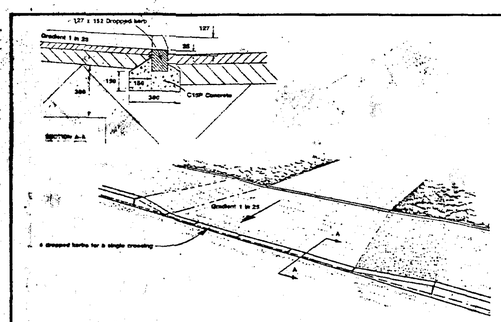
*RESIDENTIAL DEVELOPMENT*
*123 BROADGATE*
*WHAPLODE DROVE*

CLIENT:

*MRS G. REVELL*

| SCALES: | DATE: |
|---|---|
| *AS INDICATED* | *JULY 2000* |
| G.R. MERCHANT. | DRAWING No.: *640/00/01* |

REVISIONS:




DOMESTIC VEHICLE CROSSING (REF. CLAUSE 1.6(A))

## DOMESTIC VEHICLE CROSSING
(Flexible Construction)

1 Excavate for as necessary and compact the formation prior to laying any foundation material. Provide, lay and compact using vibrating compaction equipment 380mm finished thickness of non-frost susceptible crushed rock, crushed slag or crushed concrete to Type 1 grading. If CBR values are below 2% an approved Geotextile or an extra 150mm of sub-base will be required.

2 Provide, lay and compact 50mm finished thickness of 20mm nominal size dense bitumen macadam basecourse to BS: 4987 using 100 pen bitumen binder. Void content 2.8%.

3 Provide, lay and compact 25mm finished thickness of 6mm nominal size bitumen macadam wearing course to BS: 4987 using 100 pen bitumen binder. Void content 2.10%.

**LANDSCAPING & TREE PLANTING SCHEME**

A MIXED HEDGE
- (a) HAWTHORN (CRATAEGUS MONOGYNA)
- (b) BEECH (FAGUS SYLVATICA)
- (c) BLACKTHORN (PRUNUS SPINOSA)
- (d) BUCKTHORN (RHAMNOS CATHARTICA)

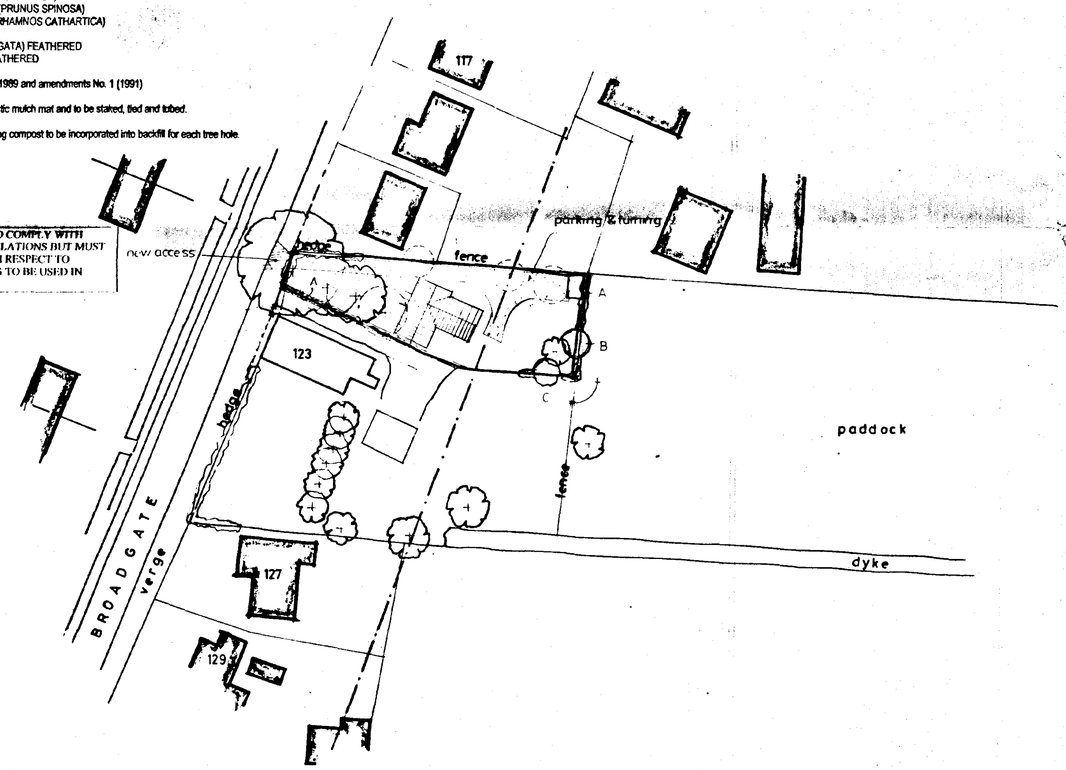
B HAWTHORN (CRATAEGUS LAEVIGATA) FEATHERED
C WHITE BEAM (SORBUS ARIA) FEATHERED

All planting to be in accordance with BS 4428:1989 and amendments No. 1 (1991)

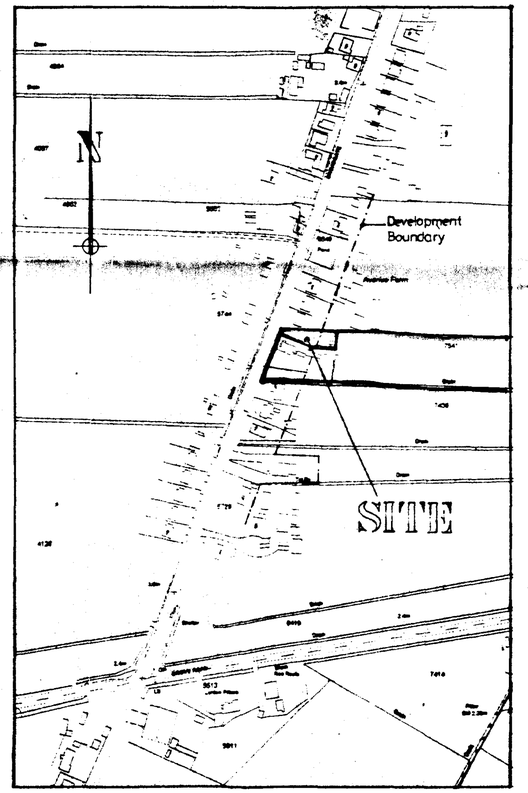
All trees to be planted with minimum 0.6m plastic mulch mat and to be staked, tied and lobed.

1/3 to ½ bag of peat free tree and shrub planting compost to be incorporated into backfill for each tree hole.

DRIVE TO BE HARD SURFACED TO COMPLY WITH 'PART M' OF THE BUILDING REGULATIONS BUT MUST BE FLEXIBLE & PERMEABLE WITH RESPECT TO EXISTING TREES - BLOCK PAVING TO BE USED IN VICINITY OF TREES.




SITE PLAN
1 : 500




LOCATION PLAN
1 : 2500

PROPOSED

Septic tank:-
Connect foul water drains to 600 gallon ( 2720 litre ) for upto 4 people and 825 gallon (3750 litre ) for upto 9 people 'klargester' type septic tank constructed in accordance with local authority requirements. The sub-irrigational drainage system to the septic tank is to be determined by percolation test in accordance with the provisions of clause 15.3.2. of BS6297 1983. The applicant is responsible for carrying out the tests and the minimum requirement is 30m2 of sub-irrigational drainage orsuch length as may be determined by the test, whichever is the greater. The council racommend that septic tanks, cesspools and settlement tanks be sited at a minimum distance of 12 metres from dwellings. Applicants are further advised that during times of inclement weather, the ground water level rises accordingly. It is essential that drainage falls to the septic tank are kept to the minimum say 1 in 80, and the tank paticularly the bottle type, is modified by reducing its neck length by cutting to ensure that both inlet and outlet are maintained above ground water level. *Enviroment Agency* do not permit septic tank soakaway systems to be situated within 10 metres of any watercourse or to discharge effluent directly or indirectly into an aquifer.
Should the results of the percolation test prove to be unsatisfactory for septic tank drainage due to impervious soil conditions such as clay, then a cesspool of 18000 litres ( 4000 gallons ) capacity, or mini-packaged treatment plant must be used.

AMENDED PLAN
Ref. A1

DETERMINED PLAN
SOUTH HOLLAND DC
HOUSING & PLANNING
26 JUL 2001
Ref: 699/01

A. Re-position House & Access - Drawing G.R.M.C. 16.7.01

**G. R. MERCHANT**
I.ENG AMICE, FIWO,
ARCHITECTURAL, STRUCTURAL
& LAND DRAINAGE CONSULTANT
TEL: HOLBEACH (01406) 490800

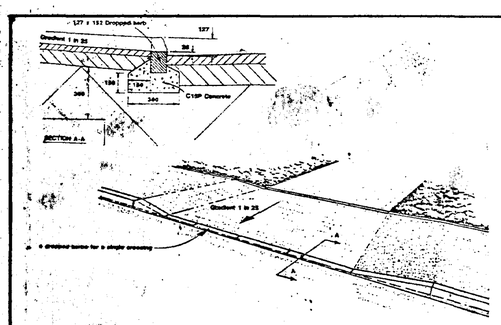
PROJECT:
*4 BEDROOM HOUSE & DETACHED GARAGE - ADJACENT TO 123 BROADGATE WHAPLODE DROVE*

CLIENT:
*MRS G. REVELL*

| SCALES: | DATE: |
|---|---|
| *AS INDICATED* | *JULY 2000* |
| G.R. MERCHANT. | DRAWING No.: 040/00/03 A |
| REVISIONS: A | |

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Summit DS (UK) 89982




DOMESTIC VEHICLE CROSSING (REF. CLAUSE 1.6(A))

**DOMESTIC VEHICLE CROSSING**
(Flexible Construction)

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**LANDSCAPING & TREE PLANTING SCHEME**

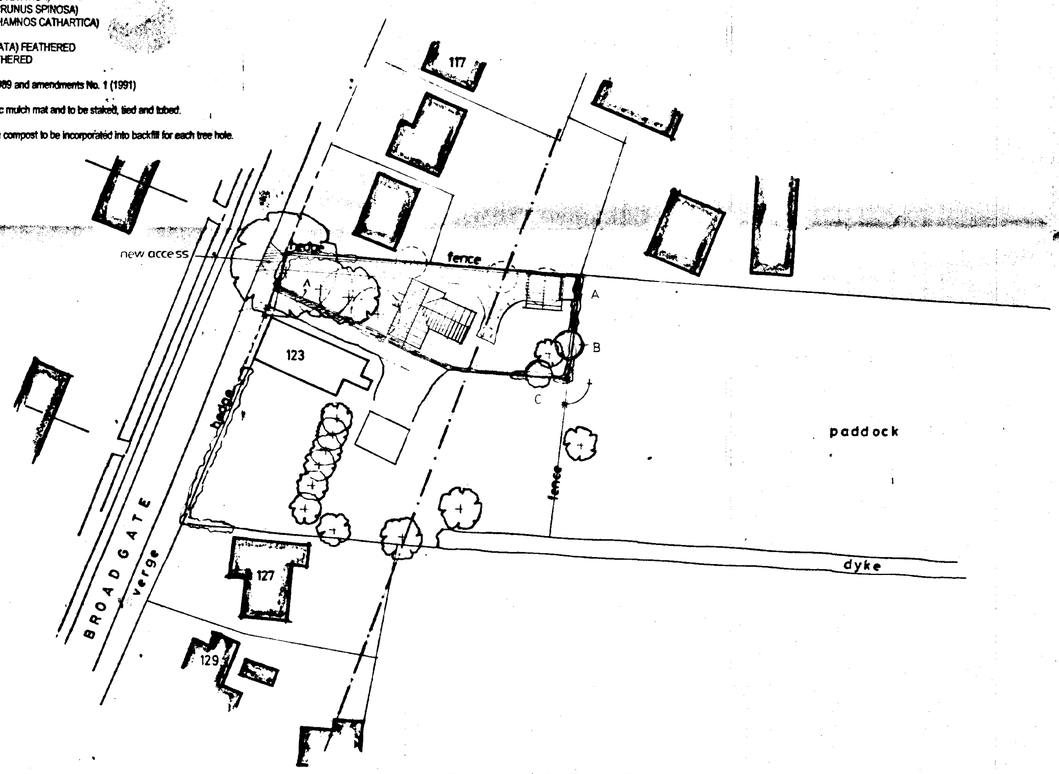
A MIXED HEDGE
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- (b) BEECH (FAGUS SYLVATICA)
- (c) BLACKTHORN (PRUNUS SPINOSA)
- (d) BUCKTHORN (RHAMNOS CATHARTICA)

B HAWTHORN (CRATAEGUS LAEVIGATA) FEATHERED
C WHITE BEAM (SORBUS ARIA) FEATHERED

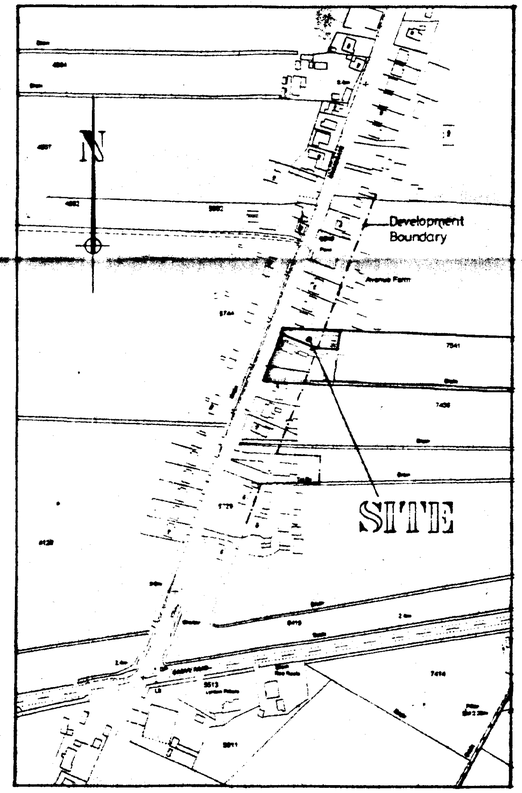
All planting to be in accordance with BS 4428:1989 and amendments No. 1 (1991)

All trees to be planted with minimum 0.6m plastic mulch mat and to be staked, tied and tubed.

1/3 to ½ bag of peat free tree and shrub planting compost to be incorporated into backfill for each tree hole.




SITE PLAN
1 : 500




LOCATION PLAN
1 : 2500

PROPOSED

SUPERSEDED

Septic tank:-
Connect foul water drains to 600 gallon ( 2720 litre ) for upto 4 people and 825 gallon (3750 litre ) for upto 9 people 'klargester' type septic tank constructed in accordance with local authority requirements. The sub-irrigational drainage system to the septic tank is to be determined by percolation test in accordance with the provisions of clause 15.3.2. of BS6297 1983. The applicant is responsible for carrying out the tests and the minimum requirement is 30m2 of sub-irrigational drainage onsuch length as may be determined by the test, whichever is the greater. The council recommend that septic tanks, cesspools and settlement tanks be sited at a minimum distance of 12 metres from dwellings. Applicants are further advised that during times of inclement weather, the ground water level rises accordingly. It is essential that drainage falls to the septic tank are kept to the minimum say 1 in 80, and the tank paticularly the bottle type, is modified by reducing its neck length by cutting to ensure that both inlet and outlet are maintained above ground water level. Environment Agency do not permit septic tank soakaway systems to be situated within 10 metres of any watercourse or to discharge effluent directly or indirectly into an aquifer.
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AMENDED PLAN
Ref.

SOUTH HOLLAND DC
HOUSING & PLANNING
20 JUL 2001
Ref: 699/01

A Retention House, Garage & Access 16.7.01

**G. R. MERCHANT**
I.ENG AMICE, FIWO,
ARCHITECTURAL, STRUCTURAL
& LAND DRAINAGE CONSULTANT
TEL: HOLBEACH (01406) 490800

PROJECT:
*4 BEDROOM HOUSE & DETACHED GARAGE ADJACENT TO 123 BROADGATE WHAPLODE DROVE*

CLIENT:
*MRS G. REVELL*

SCALES: *AS INDICATED*
DATE: *JULY 2000*

G.R. MERCHANT. DRAWING No.: 040/00/03 A

REVISIONS: A

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