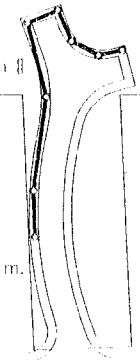
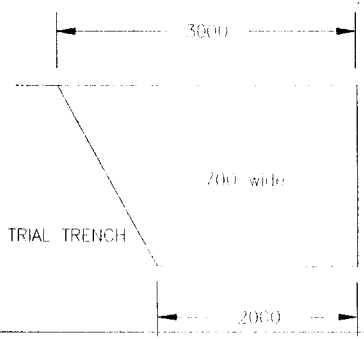
SOUTH HOLLAND DC
HOUSING & PLANNING
17 DEC 1998
Ref: 0881/98

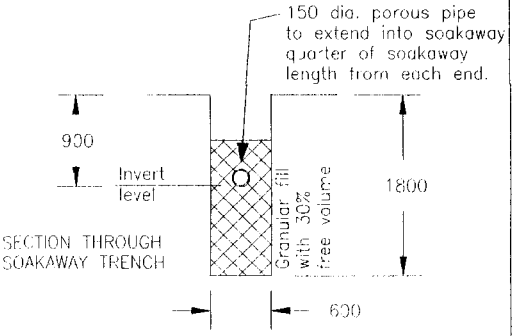
AMENDED PLAN
Ref.

NOTES. Private drives to be drained seperately.
Maximum 5 properties off each private drive.
Properties to have own soakaways.
Manholes to be either 1200 dia. cast concrete rings or 1200 x 900 concrete block construction all in accordance with SCC Specification.



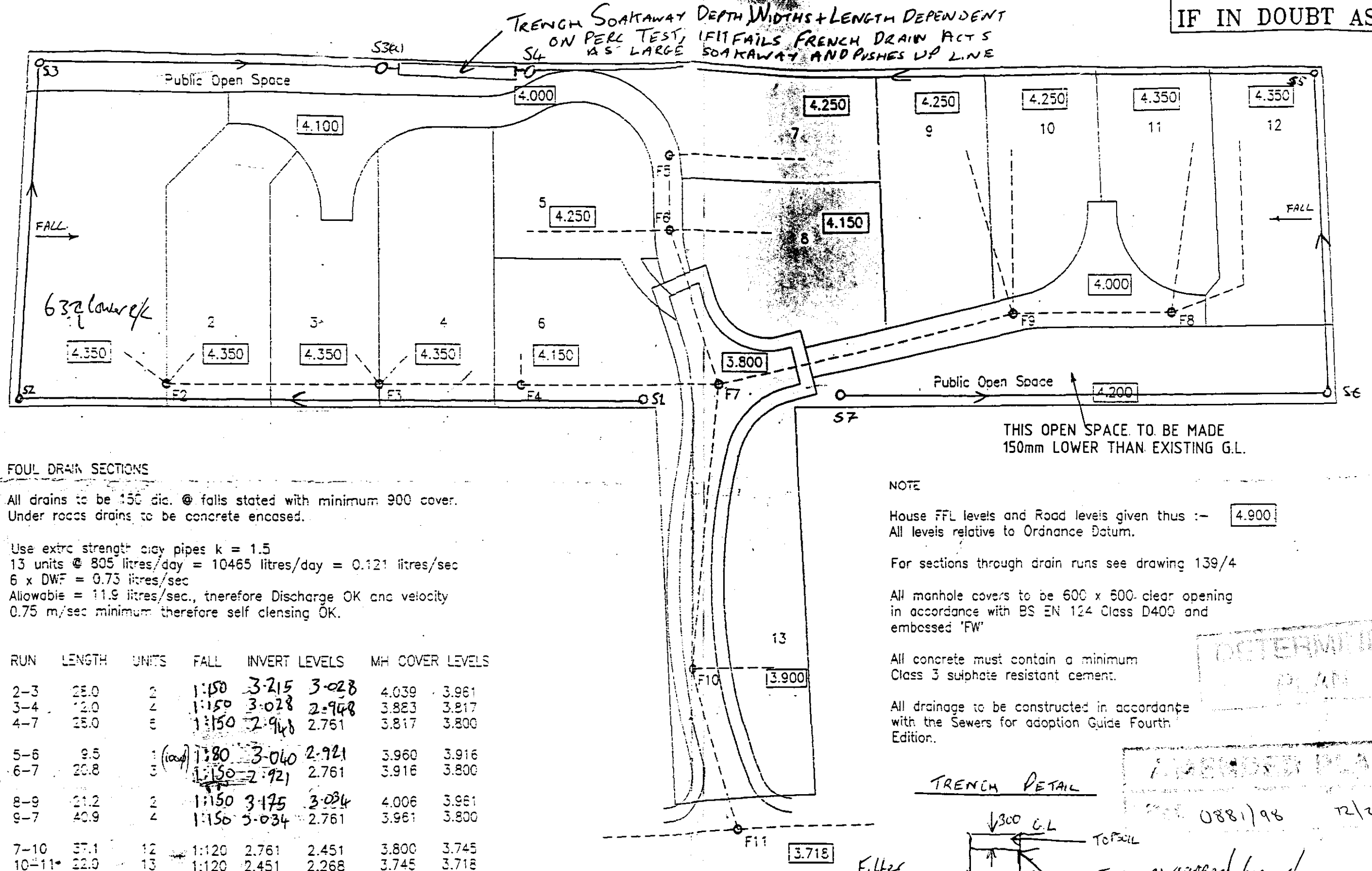
Proposed soakaway trench complete with manholes in service area. Minimum trench total length = 55 m.





Client: Mr. R. Burton		Contract: Development, New Road, Sutton Bridge	
DEESIGNS	Coraldene, Oxcroft Bank, Moulton Chapel, Spalding, Lincs. PE12 0XT	Date: September 97	Scale: 1:50 & 1000
		Drawing No. 139 / SK [illegible]	

~~DO NOT SCALE~~
IF IN DOUBT ASK



THIS OPEN SPACE TO BE MADE 150mm LOWER THAN EXISTING G.L.

NOTE

House FFL levels and Road levels given thus :- 4.900
All levels relative to Ordnance Datum.

For sections through drain runs see drawing 139/4

All manhole covers to be 600 x 600 clear opening in accordance with BS EN 124 Class D400 and embossed 'FW'

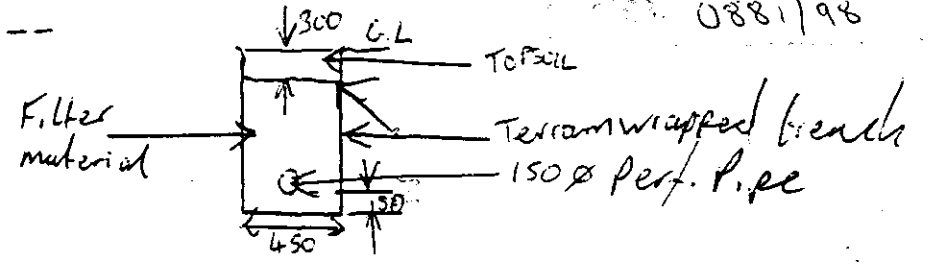
All concrete must contain a minimum Class 3 sulphate resistant cement.

All drainage to be constructed in accordance with the Sewers for adoption Guide Fourth Edition.

DETERMINED
PLAN

PLANNING PLAN
0881/98 12/2/99

TRENCH DETAIL



FOUL DRAIN SECTIONS

All drains to be 150 dia. @ falls stated with minimum 900 cover. Under roads drains to be concrete encased.

Use extra strength clay pipes k = 1.5
13 units @ 805 litres/day = 10465 litres/day = 0.121 litres/sec
6 x DWF = 0.73 litres/sec
Allowable = 11.9 litres/sec., therefore Discharge OK and velocity 0.75 m/sec minimum therefore self cleansing OK.

RUN	LENGTH	UNITS	FALL	INVERT LEVELS		MH COVER LEVELS	
2–3	28.0	2	1:150	3.215	3.028	4.039	3.961
3–4	12.0	4	1:150	3.028	2.948	3.883	3.817
4–7	25.0	6	1:150	2.948	2.761	3.817	3.800
5–6	9.5	1 (100)	1:80	3.040	2.921	3.960	3.916
6–7	20.8	3	1:150	2.921	2.761	3.916	3.800
8–9	21.2	2	1:150	3.175	3.034	4.006	3.961
9–7	40.9	4	1:150	3.034	2.761	3.961	3.800
7–10	37.1	12	1:120	2.761	2.451	3.800	3.745
10–11	22.0	13	1:120	2.451	2.268	3.745	3.718

MH SCHEDULE SURFACE WATER

M.H.	INVERT LEVEL	FALLS
S1	3.000	1:150
S2	2.553	
S3	2.266	
S4	1.703	
S5		

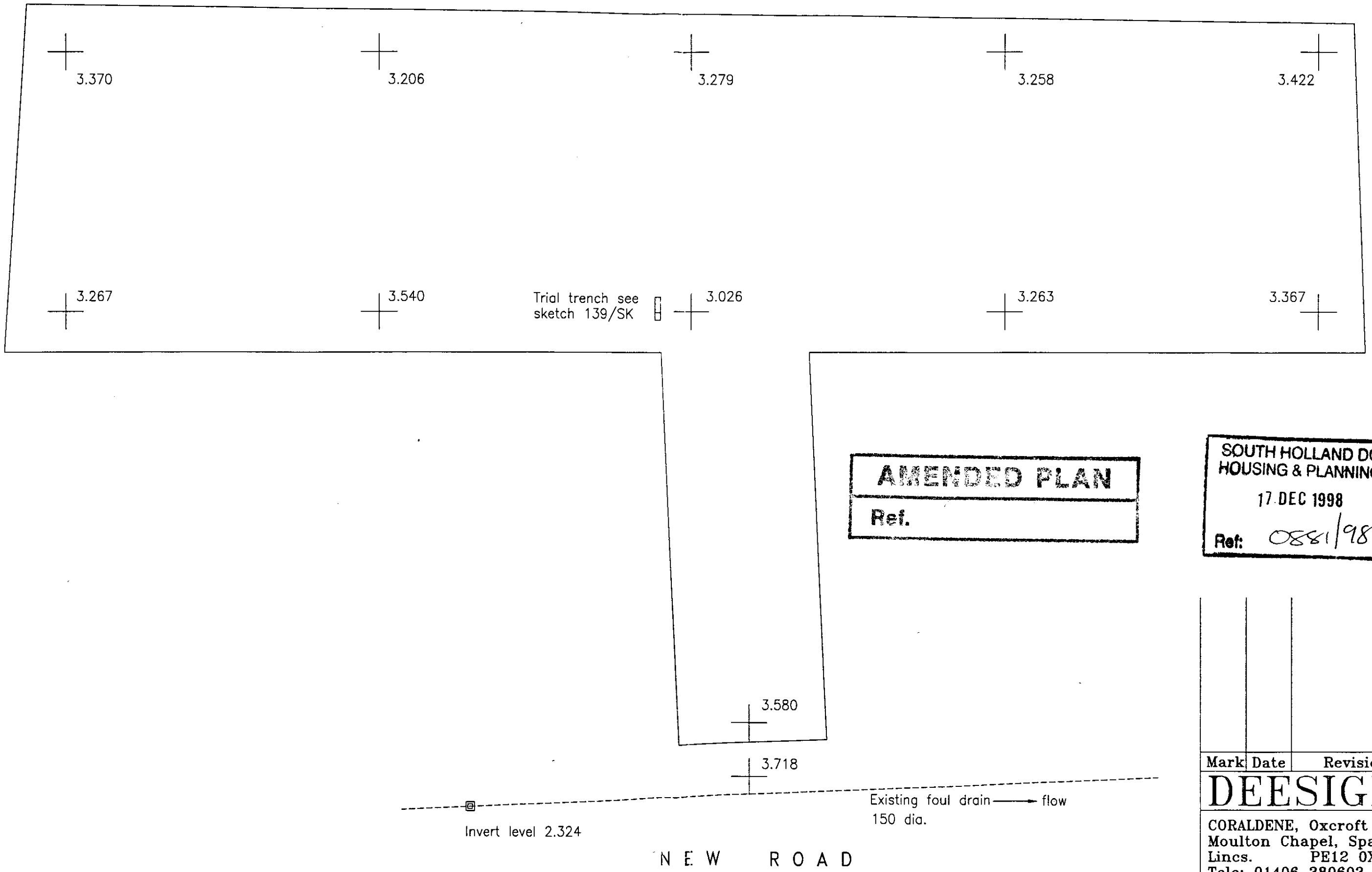
M.H	I.L.
S6	2.677
S7	3.100
S3(1)	1.703

All surface Manholes to be designed as catchpits if possible

FOUL DRAIN RUNS

Client : Status Design	
Contract : Development New Road, Sutton Bridge, Lincs.	
Date : Feb 98	**Scale** : 1:500
Drawing No. 139 1 / 2 B	

DO NOT SCALE
IF IN DOUBT ASK



AMENDED PLAN
Ref.

SOUTH HOLLAND DC
HOUSING & PLANNING
17 DEC 1998
Ref: 0881/98

SITE LEVELS

ALL LEVELS RELATE TO ORDNANCE DATUM LEVEL

Mark	Date	Revision

DEESIGNS

CORALDENE, Oxcroft Bank
Moulton Chapel, Spalding
Lincs. PE12 0XT
Tele: 01406 380603

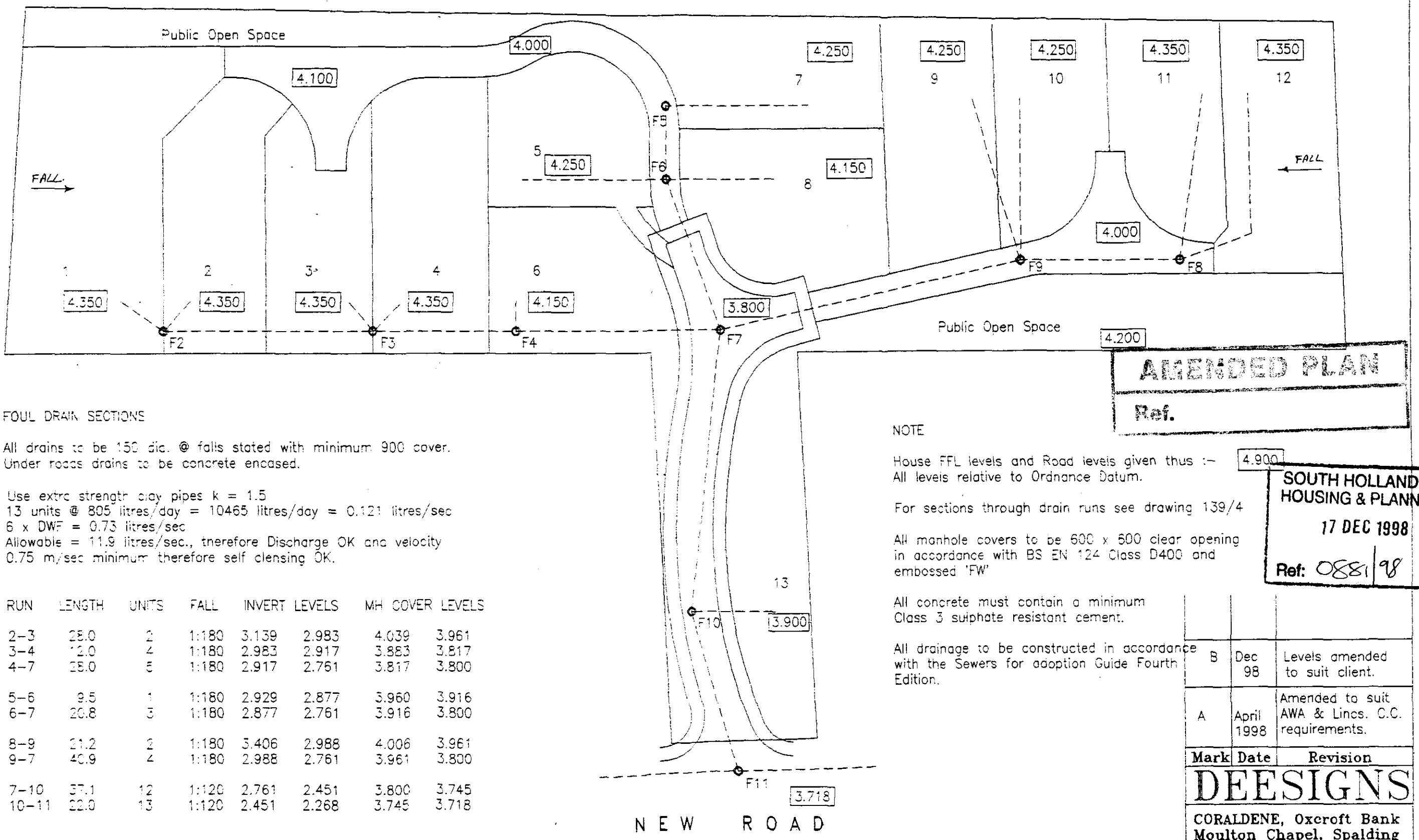
Client : Status Design

Contract : Development
New Road, Sutton Bridge, Lincs

Date : Feb 98 | **Scale** : 1:500

Drawing No. 139 / 1

DO NOT SCALE
IF IN DOUBT ASK



AMENDED PLAN
Ref.

FOUL DRAIN SECTIONS

All drains to be 150 dia. @ falls stated with minimum 900 cover.
Under roads drains to be concrete encased.

Use extra strength clay pipes k = 1.5
13 units @ 805 litres/day = 10465 litres/day = 0.121 litres/sec
6 x DWF = 0.73 litres/sec
Allowable = 11.9 litres/sec., therefore Discharge OK and velocity
0.75 m/sec minimum therefore self clensing OK.

RUN	LENGTH	UNITS	FALL	INVERT LEVELS		MH COVER LEVELS	
2–3	28.0	2	1:180	3.139	2.983	4.039	3.961
3–4	12.0	4	1:180	2.983	2.917	3.883	3.817
4–7	28.0	5	1:180	2.917	2.761	3.817	3.800
5–6	9.5	1	1:180	2.929	2.877	3.960	3.916
6–7	20.8	3	1:180	2.877	2.761	3.916	3.800
8–9	21.2	2	1:180	3.406	2.988	4.006	3.961
9–7	40.9	4	1:180	2.988	2.761	3.961	3.800
7–10	37.1	12	1:120	2.761	2.451	3.800	3.745
10–11	22.0	13	1:120	2.451	2.268	3.745	3.718

NOTE

House FFL levels and Road levels given thus :– 4.900
All levels relative to Ordnance Datum.

For sections through drain runs see drawing 139/4

All manhole covers to be 600 x 600 clear opening in accordance with BS EN 124 Class D400 and embossed 'FW'

All concrete must contain a minimum Class 3 sulphate resistant cement.

All drainage to be constructed in accordance with the Sewers for adoption Guide Fourth Edition.

SOUTH HOLLAND DC
HOUSING & PLANNING
17 DEC 1998
Ref: 0881/98

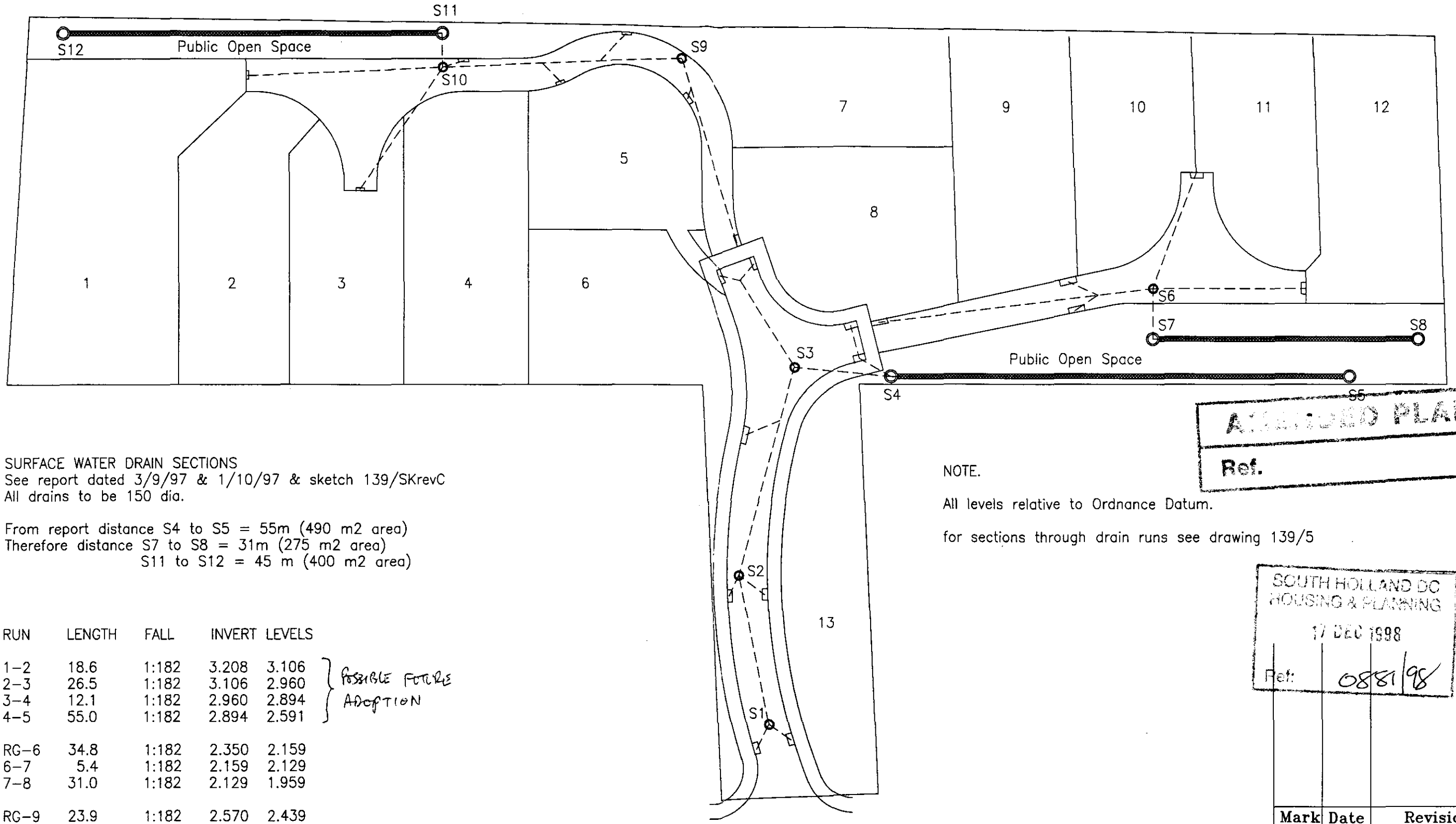
Mark	Date	Revision
B	Dec 98	Levels amended to suit client.
A	April 1998	Amended to suit AWA & Lincs. C.C. requirements.

DEESIGNS
CORALDENE, Oxcroft Bank
Moulton Chapel, Spalding
Lincs. PE12 0XT
Tele: 01406 380603

Client : Status Design
Contract : Development
New Road, Sutton Bridge, Lincs.
Date :Feb 98 | **Scale** : 1:500
Drawing No. 139 / 2 B

F O U L D R A I N R U N S

DO NOT SCALE
IF IN DOUBT ASK



SURFACE WATER DRAIN SECTIONS
See report dated 3/9/97 & 1/10/97 & sketch 139/SKrevC
All drains to be 150 dia.

From report distance S4 to S5 = 55m (490 m2 area)
Therefore distance S7 to S8 = 31m (275 m2 area)
S11 to S12 = 45 m (400 m2 area)

RUN	LENGTH	FALL	INVERT LEVELS		
1–2	18.6	1:182	3.208	3.106	POSSIBLE FUTURE ADOPTION
2–3	26.5	1:182	3.106	2.960	
3–4	12.1	1:182	2.960	2.894	
4–5	55.0	1:182	2.894	2.591	
RG–6	34.8	1:182	2.350	2.159	
6–7	5.4	1:182	2.159	2.129	
7–8	31.0	1:182	2.129	1.959	
RG–9	23.9	1:182	2.570	2.439	
9–10	29.5	1:182	2.439	2.277	
10–11	4.5	1:182	2.277	2.252	
11–12	45.0	1:182	2.252	2.005	

NOTE.

All levels relative to Ordnance Datum.

for sections through drain runs see drawing 139/5

AMENDED PLAN
Ref.

SOUTH HOLLAND DC
HOUSING & PLANNING
17 DEC 1998
Ref: 0881/98

SURFACE WATER DRAIN RUNS

Mark	Date	Revision

DEESIGNS

CORALDENE, Oxcroft Bank
Moulton Chapel, Spalding
Lincs. PE12 0XT
Tele: 01406 380603

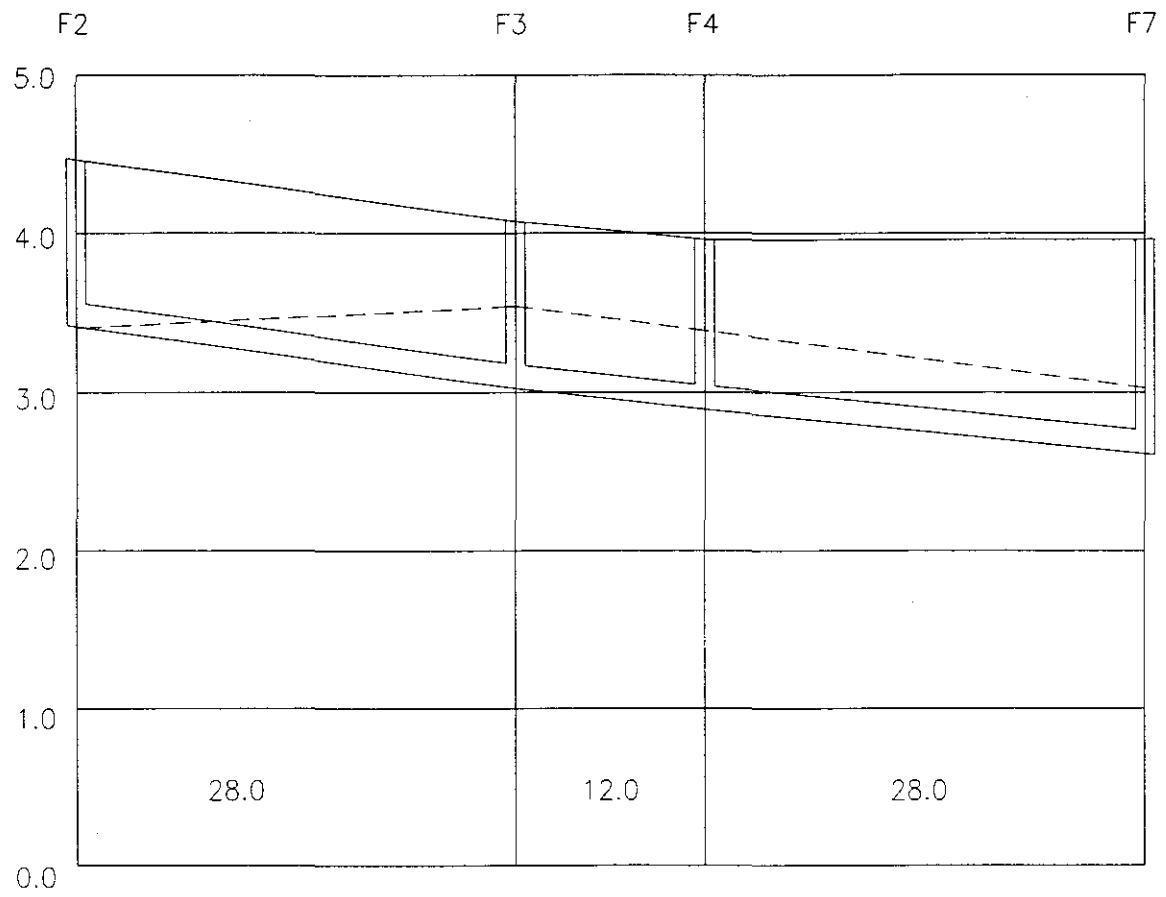
Client : Status Design

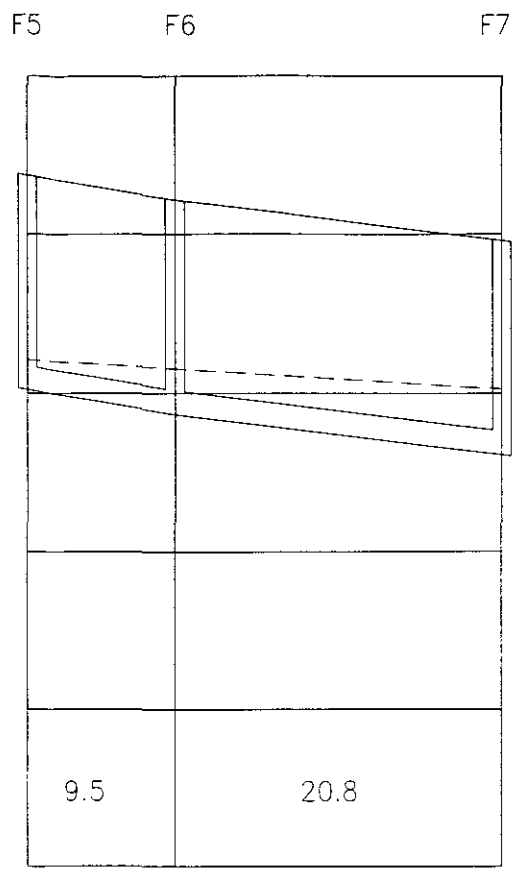
Contract : Development
New Road, Sutton Bridge, Lincs.

Date : Feb 98 | **Scale** : 1:500

Drawing No. 139 / 3

DO NOT SCALE
IF IN DOUBT ASK



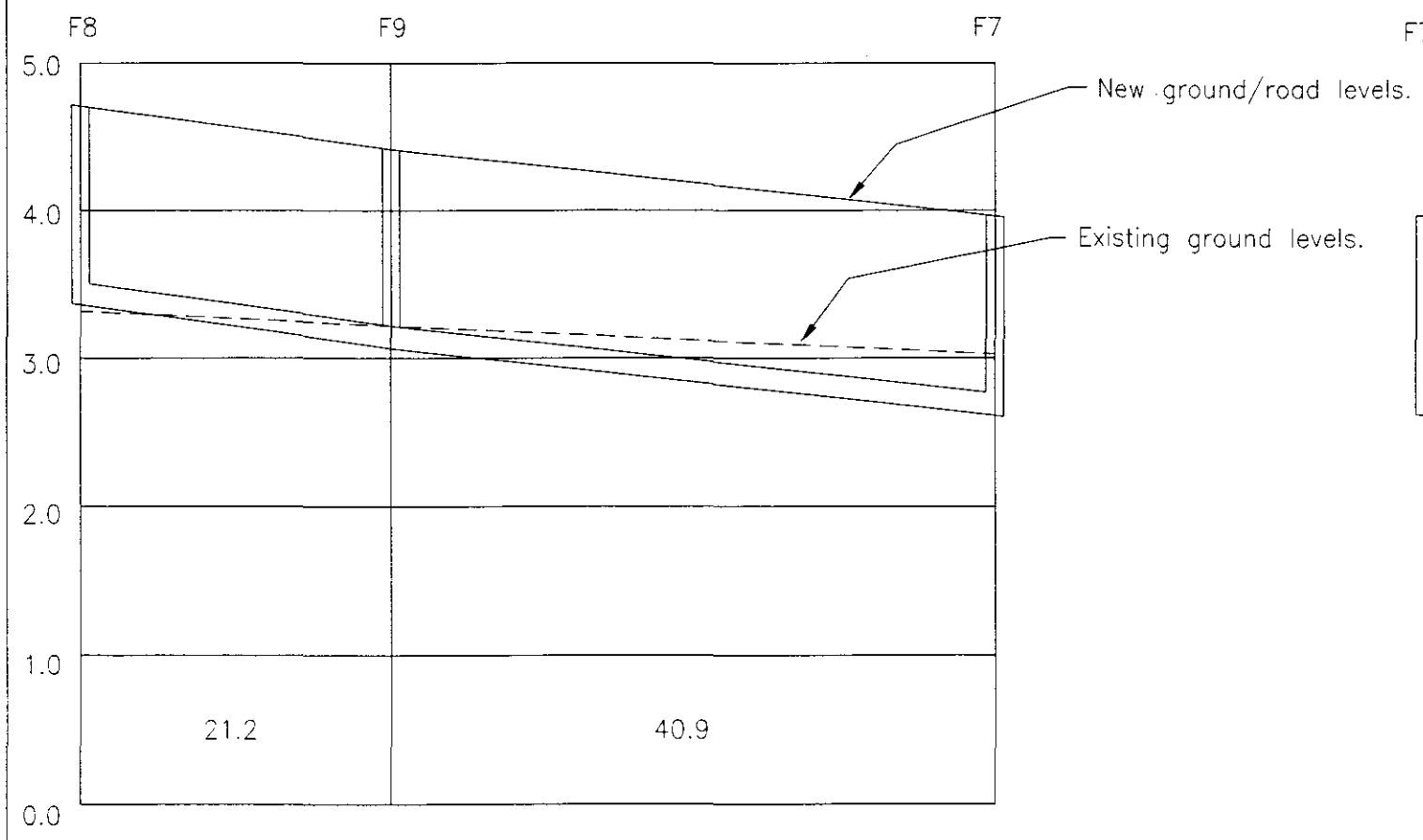


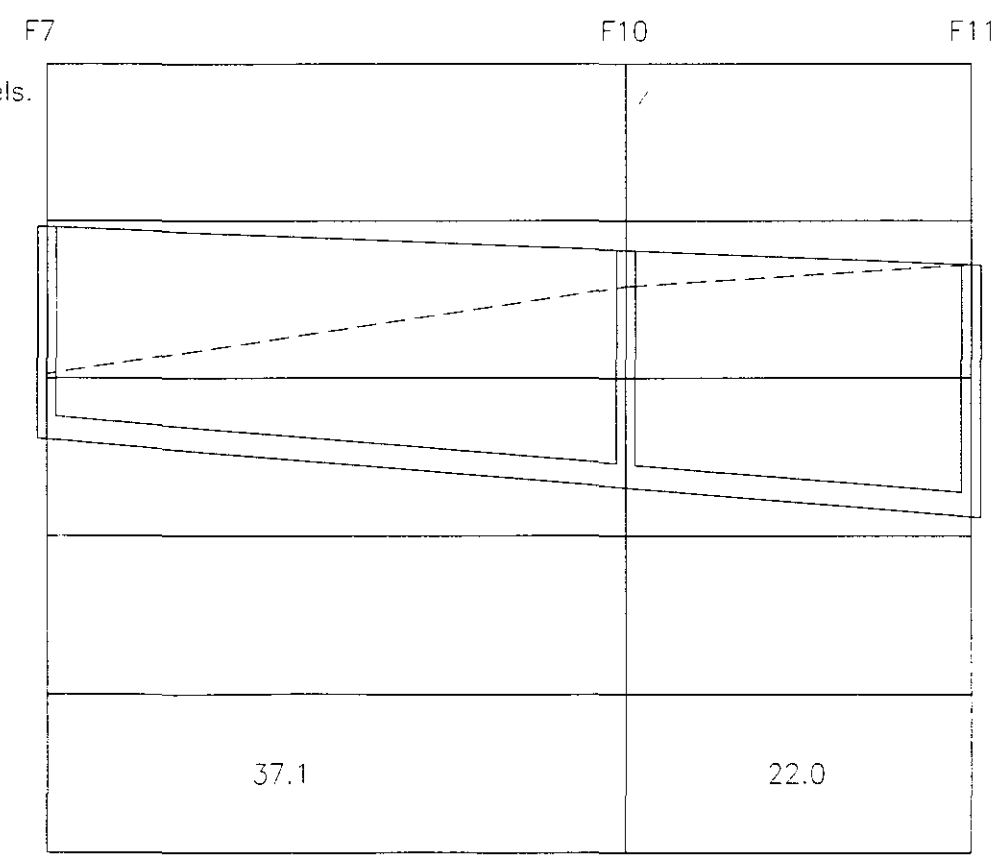
FOUL DRAIN RUNS

All levels relative to Ordnance Datum.

For all other information see drawing 139/2

Scales – 1:50 *vertically*
1:500 horizontally





SOUTH HOLLAND DC
HOUSING & PLANNING
07 SEP 1998
Ref: 0881 98

Mark	Date	Revision
A	April 1998	Amended to suit AWA requirements.

DEESIGNS
CORALDENE, Oxcroft Bank
Moulton Chapel, Spalding
Lincs. PE12 0XT
Tele: 01406 380603

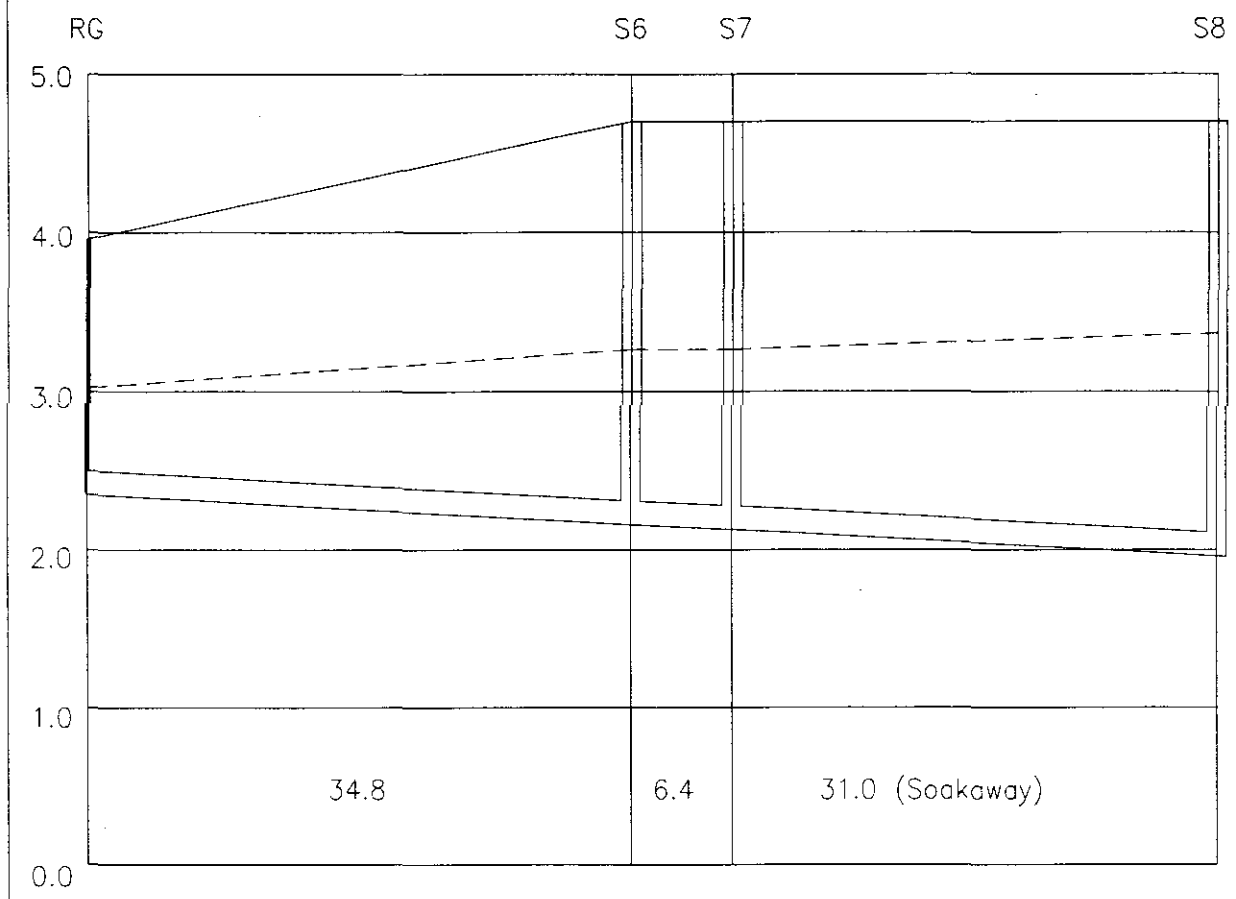
Client : Status Design

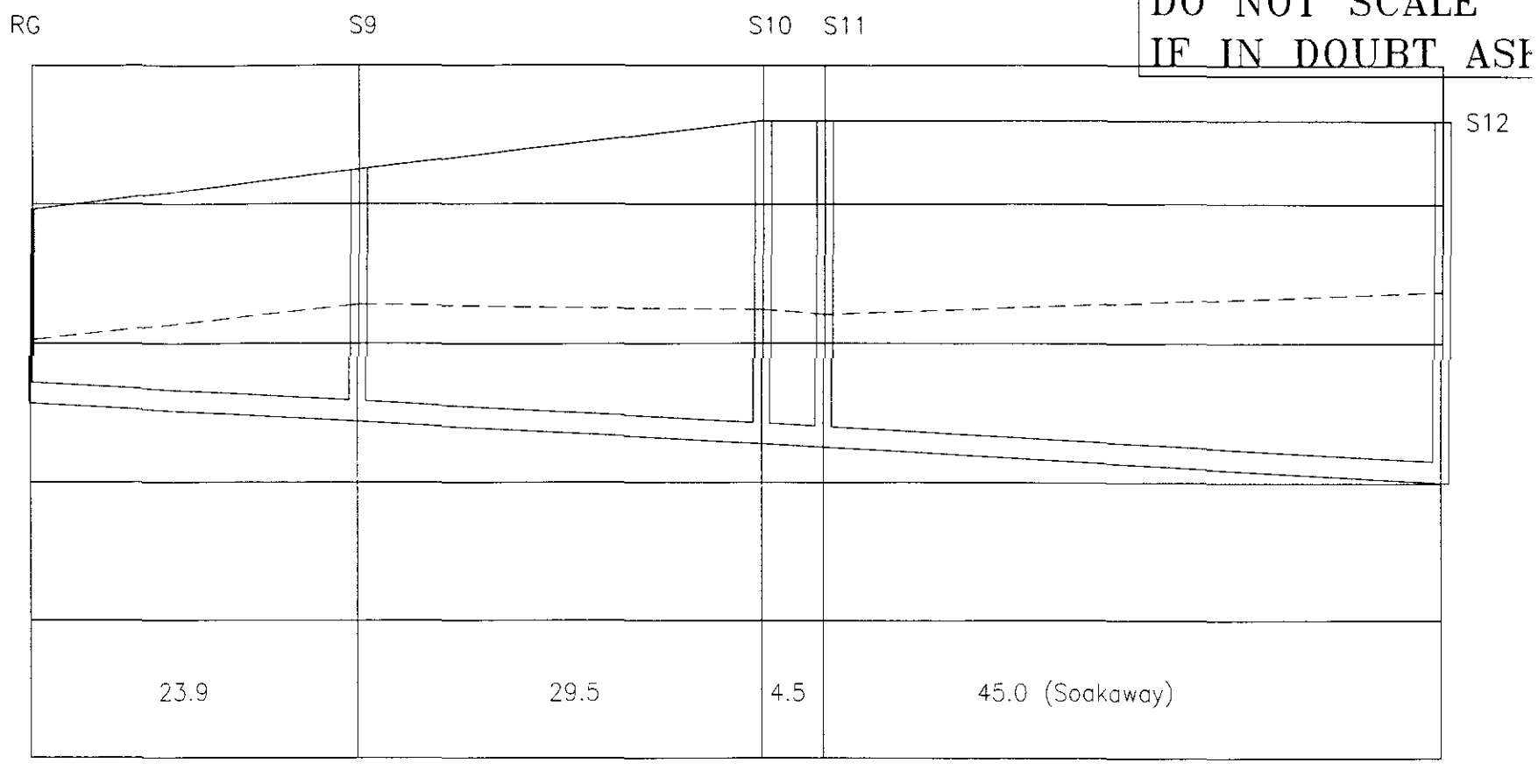
Contract : Development
New Road, Sutton Bridge, Lincs

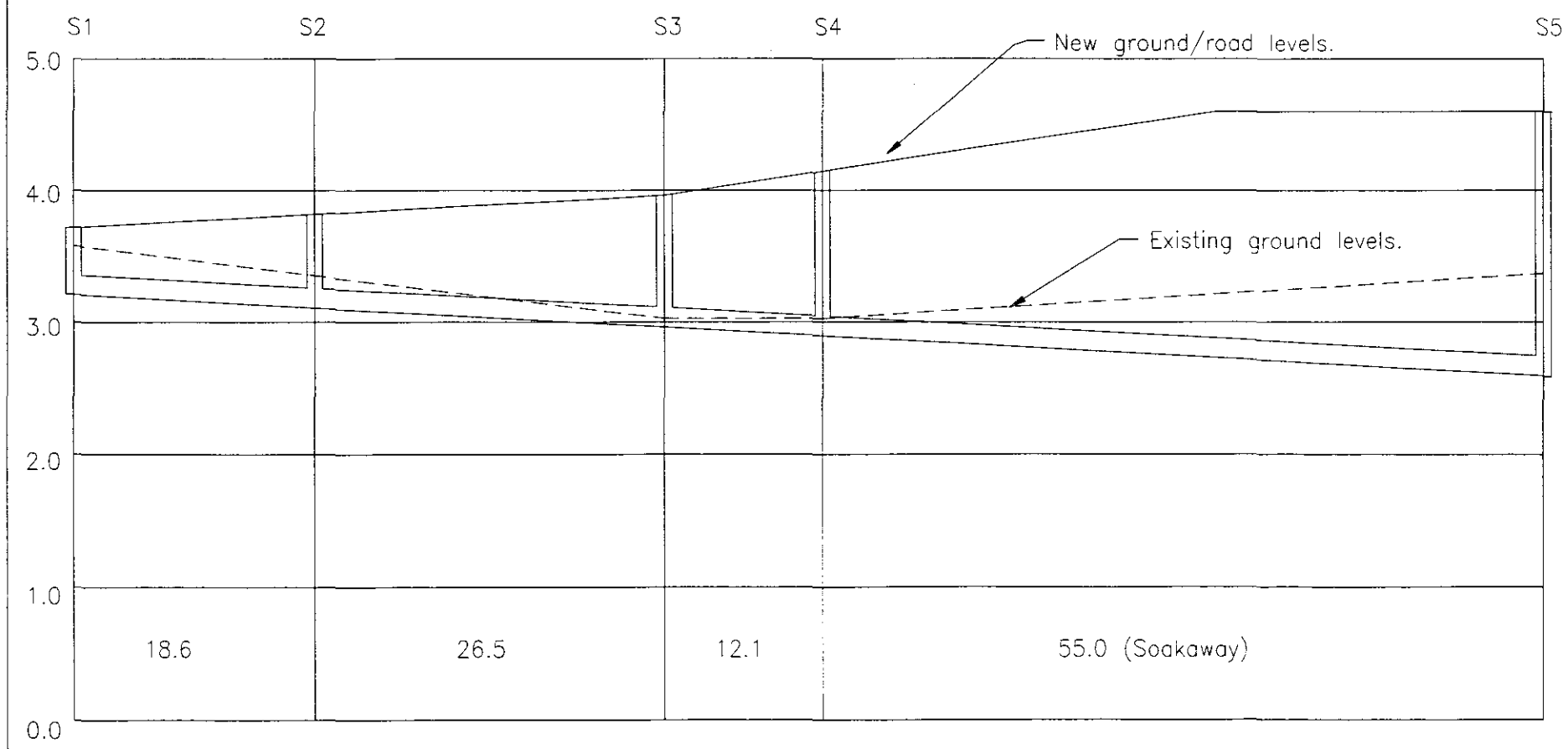
Date : Feb 98 | **Scale** : Varies

Drawing No. 139 / 4A

DO NOT SCALE
IF IN DOUBT ASK







SURFACE WATER DRAIN RUNS

All levels relative to Ordnance Datum.

For all other information see drawing 139/3

Scales – 1:50 vertically
1:500 horizontally

SOUTH ... AND DC
HOUSING ... PLANNING
07 SEP 1998
0881
Ref: ... /98

Mark	Date	Revision
A	April 1998	Road/ground leve revised.

DEESIGNS
CORALDENE, Oxcroft Bank
Moulton Chapel, Spalding
Lincs. PE12 0XT
Tele: 01406 380603

Client : Status Design

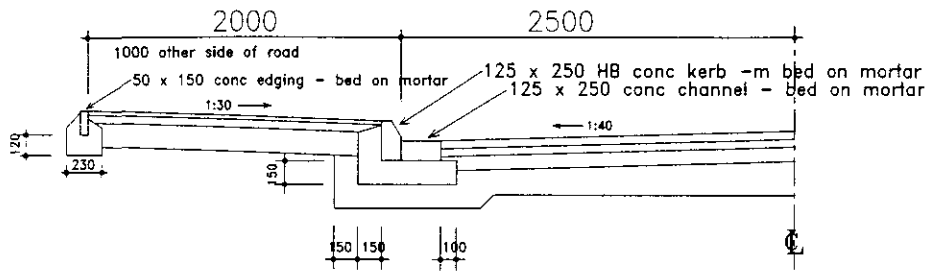
Contract : Development
New Road, Sutton Bridge, Linc

Date : Feb 98 | **Scale** : Varie

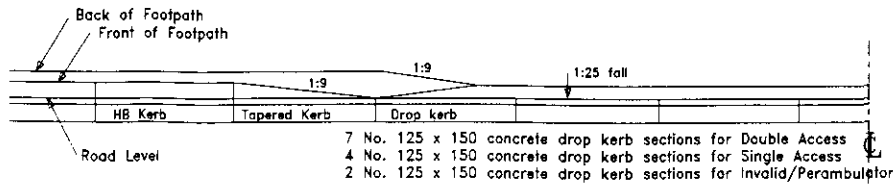
DO NOT SCALE
IF IN DOUBT ASK

Footpath
Wearing – 25mm thick of 6mm nominal dense bitumen macadam
Basecourse – 50mm thick of 20mm nominal dense bitumen macadam
Subbase – 100mm of type 1 aggregate increased to 340mm at vehicle crossings

5.0m Roadway
Wearing – 40mm thick of 10mm nominal bitumen macadam
Basecourse – 100mm thick of 20mm nominal bitumen macadam
Subbase – 450mm of type 1 aggregate
Approved Geotextile
All to Lincs Highways & Planning Specification 1991

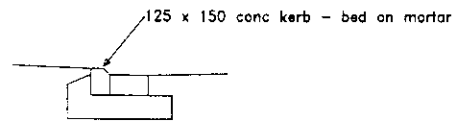


HALF SECTION THROUGH ROAD (Possible future adoption)
Conc Base & Haunches to be ST3 concrete.



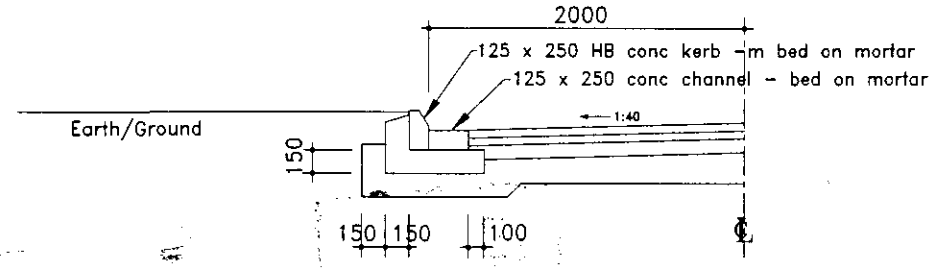
7 No. 125 x 150 concrete drop kerb sections for Double Access
4 No. 125 x 150 concrete drop kerb sections for Single Access
2 No. 125 x 150 concrete drop kerb sections for Invalid/Perambulator Crossing

HALF SECTION THROUGH DROPPED KERB



DROP KERB DETAIL

4.0m Roadway
Wearing – 40mm thick of 10mm nominal bitumen macadam
Basecourse – 100mm thick of 20mm nominal bitumen macadam
Subbase – 450mm of type 1 aggregate
Approved Geotextile
All to Lincs Highways & Planning Specification 1991



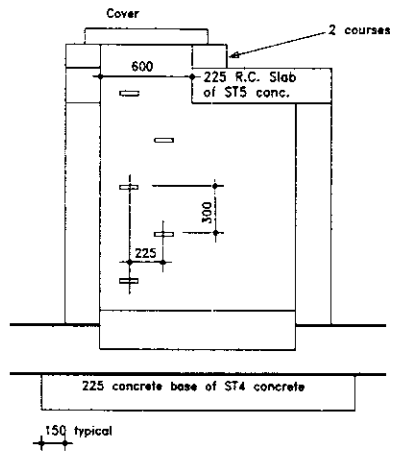
HALF SECTION THROUGH ROAD (Private Drives)
Conc Base & Haunches to be ST3 concrete.

All drains to be concrete or S.G. Hepsleeve with flexible joints.
All to BS and LA specification – laid jointed and bedded to LA regulations.

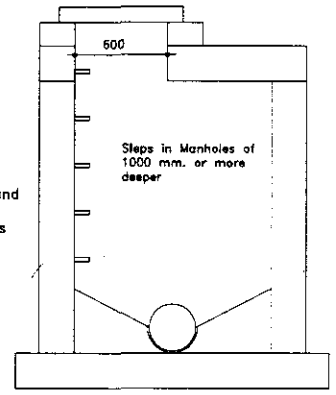
Road gullies to be 450 x 1050 deep P.C. concrete with 150 traps.
Outlets bedded on 2 courses class 'B' engineering bricks and surrounded with ST3 concrete.
All kerbs and edging to be to BS:5340.
Gully covers to be grade 'A' to BS:497 with hinged but non-removeable lids.
Nominal 450 wide with minimum waterway area of 900 cm2.

MARKER POSTS TO BE AGREED ON SITE.

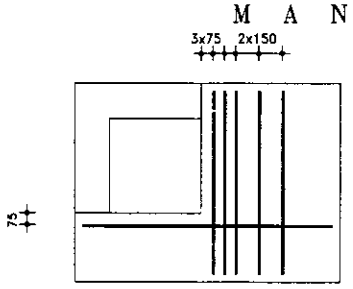
Street lighting to be in agreement with Lincs C.C. and Local Authority at the time for adoption.



MANHOLES
1270 x 810 internal dimensions
and 1270 x 1270 internal dimensions
Use 225 class'B' engineering bricks
Alternative
1200 dia. concrete rings with prefabricated cover of 225 ST3 slab as before and surround with minimum 150 ST£ concrete
Above 1250 deep use double A casted covers and frames H.D. grade
Mark 'FOUL' or 'SW' to BS:497 grade 'A'

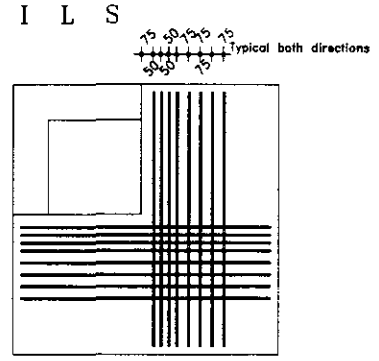


M A N H O L E D E T A I L S



REINFORCEMENT 1270 X 810 MANHOLES

Reinforcement to be 12 dia. M.S. rod with 50 mm. ninimum cover throughout



REINFORCEMENT 1270 X 1270 MANHOLES

SOUTH HOLLAND DC
HOUSING & PLANNING
07 SEP 1998
Ref: 0881 /98

Mark	Date	Revision
A	May 1998	Amended to suit Lincs C.C. require

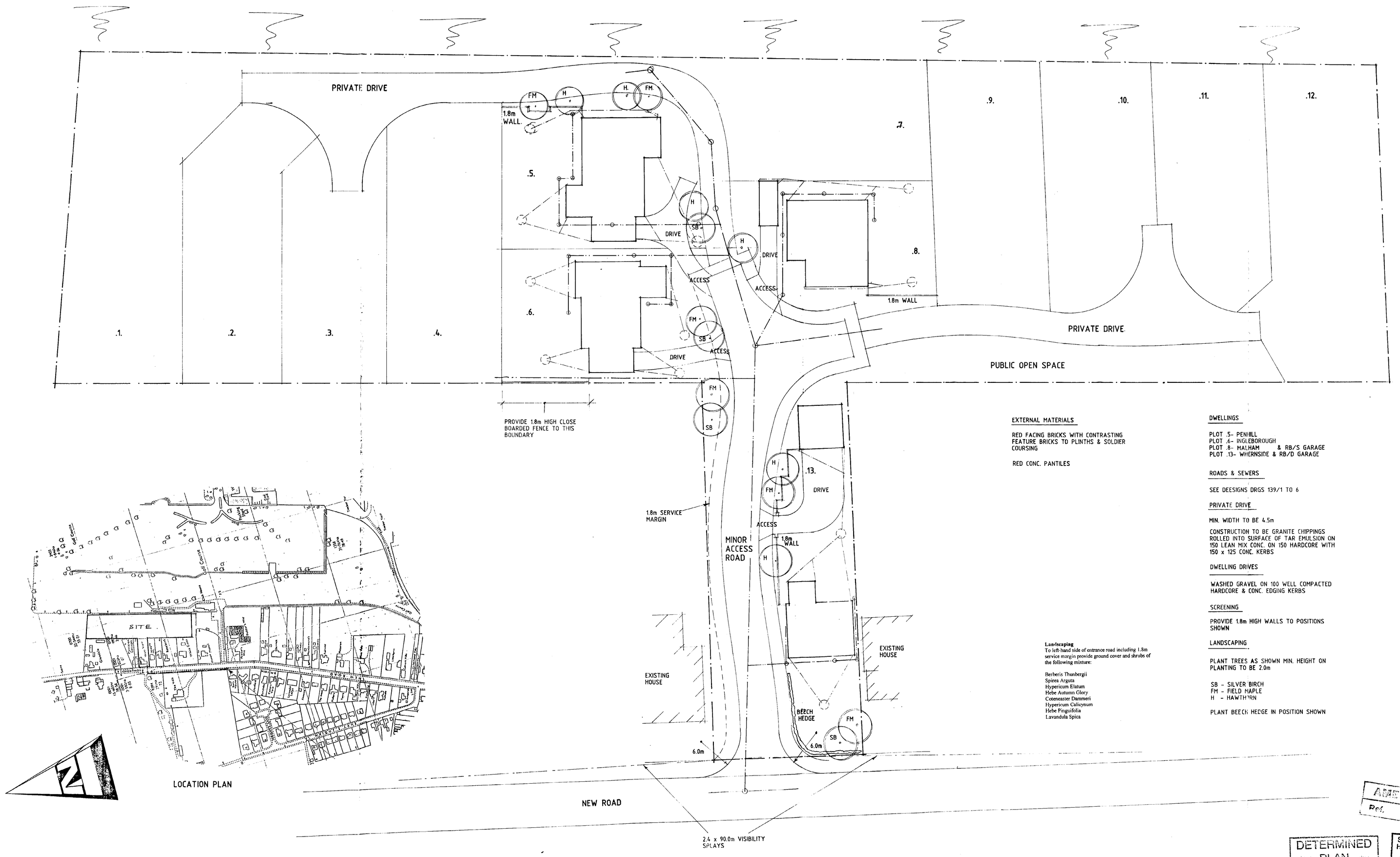
DEESIGNS

CORALDENE, Oxcroft Bank
Moulton Chapel, Spalding
Lincs. PE12 0XT
Tele: 01406 380603

Client : Status Design

Contract : Development
New Road, Sutton Bridge, Linc

Date : Feb 98 | Scale : 1:50



LOCATION PLAN

SITE PLAN

EXTERNAL MATERIALS

RED FACING BRICKS WITH CONTRASTING FEATURE BRICKS TO PLINTHS & SOLDIER COURSING

RED CONC. PANTILES

Landscaping
To left-hand side of entrance road including 1.8m service margin provide ground cover and shrubs of the following mixture:

Berberis Thunbergii
Spirea Arguta
Hypericum Elatum
Hebe Autumn Glory
Cotoneaster Dammeri
Hypericum Calicynum
Hebe Pinguifolia
Lavandula Spica

DWELLINGS

PLOT .5- PENHILL
PLOT .6- INGLEBOROUGH
PLOT .8- MALHAM & RB/S GARAGE
PLOT .13- WHERNSIDE & RB/D GARAGE

ROADS & SEWERS

SEE DEESIGNS DRGS 139/1 TO 6

PRIVATE DRIVE

MIN. WIDTH TO BE 4.5m

CONSTRUCTION TO BE GRANITE CHIPPINGS ROLLED INTO SURFACE OF TAR EMULSION ON 150 LEAN MIX CONC. ON 150 HARDCORE WITH 150 x 125 CONC. KERBS

DWELLING DRIVES

WASHED GRAVEL ON 100 WELL COMPACTED HARDCORE & CONC. EDGING KERBS

SCREENING

PROVIDE 1.8m HIGH WALLS TO POSITIONS SHOWN

LANDSCAPING

PLANT TREES AS SHOWN MIN. HEIGHT ON PLANTING TO BE 2.0m

SB - SILVER BIRCH
FM - FIELD MAPLE
H - HAWTHORN

PLANT BEECH HEDGE IN POSITION SHOWN

Notes and Revisions

Do not scale from this drawing.

This drawing is copyright and may not be altered, traced, copied, photographed or used for any purpose other than that for which it is issued without written permission from Messrs. Status Design.

The General Contractor is to check all dimensions on site and report discrepancies to the Architect.

All details shown on this drawing are based upon typical site conditions related to the area. No responsibility can be accepted for abnormal conditions unless reported to the Architects so that design amendments may be considered.

Please note: this drawing is not a conveyance drawing.

Construction work to be carried out with due regard to the Construction(Design and Management) Regulations 1994 (CDM) and the Health and Safety at Work, etc. Act 1974 (HSW Act).

THIS DRG. TO BE READ IN CONJUNCTION WITH DEESIGNS SOAKAWAY REPORT & DESIGN DATED 3.9.97 & 139/SK-C & DESIGNS DRGS 139/1 TO 6. PLUS WHERNSIDE, INGLEBOROUGH, MALHAM, PENHILL RB/S GARAGE & RB/D GARAGE & DEESIGNS DRGS 139/1 TO 6

F - LANDSCAPING/SCREENING ADDED - 23.3.99
E - GEN ALTS - 7.12.98
D - GEN ALTS - 23.2.98
C - OPEN SPACE ADDED -23.10.97
B - GEN ALTS - 17.9.97
A - SOAKWAY DESIGN ADDED 5.9.97

DETERMINED PLAN

SOUTH HOLLAND DC HOUSING & PLANNING 24 MAR 1999 Ref: 088/98

DESIGN Status
CONSULTANTS IN ARCHITECTURE & PLANNING

PROPOSED RESIDENTIAL DEVELOPMENT AT NEW ROAD, SUTTON BRIDGE FOR

MR. R. BURTON

SITE LAYOUT

1:200 1:2500 771947/1

MAY-97 B.GILHAM.

2 Edinburgh Walk, Holbeach, Spalding, Lincs. PE12 7AP. Tel: 01406 424343 Fax: 01406 490702

PRIVATE DRIVE

SUPERSEDED

1.8m WALL

DRIVE

ACCESS

SUPERSEDED

1.8m WALL

PRIVATE DRIVE

PUBLIC OPEN SPACE

1.8m SERVICE MARGIN

MINOR ACCESS ROAD

EXISTING HOUSE

EXISTING HOUSE

BEECH HEDGE

6.0m

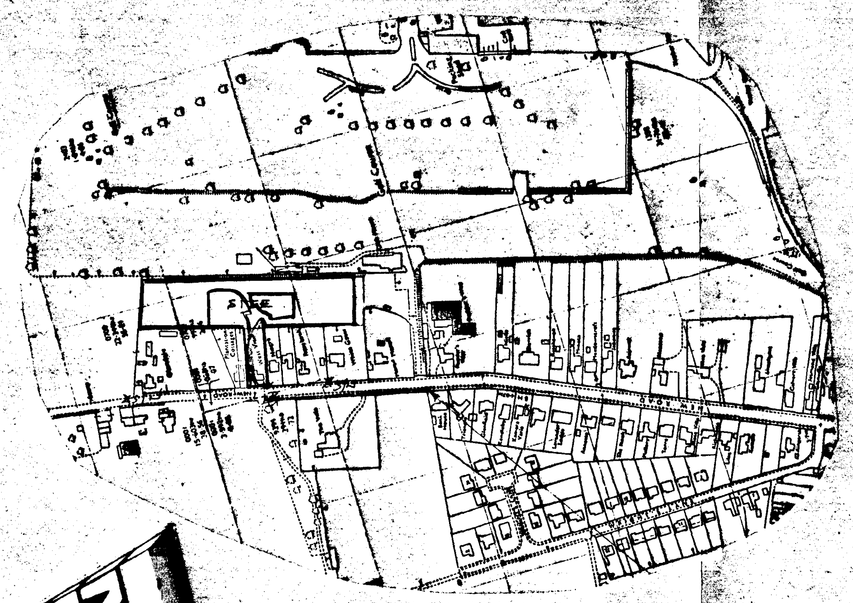
6.0m

NEW ROAD

2.4 x 90.0m VISIBILITY SPLAYS

.1. .2. .3. .4. .5. .6. .7. .8. .9. .10. .11. .12. .13.

FM - FIELD MAPLE
H - HAWTHORN
SB - SILVER BIRCH



LOCATION PLAN

SUPERSEDED

SITE PLAN

EXTERNAL MATERIALS

RED FACING BRICKS WITH CONTRASTING FEATURE BRICKS TO PLINTHS & SOLDIER COURSING

RED CONC. PANTILES

DWELLINGS

PLOT .5- PENHILL
PLOT .6- INGLEBOROUGH
PLOT .8- MALHAM & RB/S GARAGE
PLOT .13- WHERNSIDE & RB/D GARAGE

ROADS & SEWERS

SEE DEESIGNS DRGS 139/1 TO 6

PRIVATE DRIVE

MIN. WIDTH TO BE 4.5m

CONSTRUCTION TO BE GRANITE CHIPPINGS ROLLED INTO SURFACE OF TAR EMULSION ON 150 LEAN MIX CONC. ON 150 HARDCORE WITH 150 x 125 CONC. KERBS

DWELLING DRIVES

WASHED GRAVEL ON 100 WELL COMPACTED HARDCORE & CONC. EDGING KERBS

SCREENING

PROVIDE 1.8m HIGH WALLS TO POSITIONS SHOWN

LANDSCAPING

PLANT TREES AS SHOWN MIN. HEIGHT ON PLANTING TO BE 2.0m

SB - SILVER BIRCH
FM - FIELD MAPLE
H - HAWTHORN

PLANT BEECH HEDGE IN POSITION SHOWN

THIS DRG. TO BE READ IN CONJUNCTION WITH DEESIGNS SOAKAWAY REPORT & DESIGN DATED 3.9.97 & DEESIGNS DRGS 139/1 TO 6. PLUS WHERNSIDE, INGLEBOROUGH, MALHAM, RB/S GARAGE & RB/D GARAGE PENHILL

SUPERSEDED

SOUTH HOLLAND DC HOUSING & PLANNING
07 SEP 1998
Ref: 0881/98

D.- GEN ALTS - 23.2.98
C - OPEN SPACE ADDED -23.10.97
B - GEN ALTS - 17.9.97
A - SOAKWAY DESIGN ADDED 5.9.97

Notes and Reminders:

Do not scale from this drawing.

This drawing is copyright and may not be altered, reused, reproduced or used for any purpose other than that which it is issued, without written consent from Deesigns.

The General Contractor is to check all dimensions on site and report discrepancies to the Architects.

All details shown on this drawing are based upon typical site conditions related to the area. No responsibility can be accepted for abnormal conditions unless reported to the Architects so that design amendments may be considered.

Please note: This drawing is not a submission drawing.

Construction work is to be carried out with due regard to the Construction(Design and Management) Regulations 1994 (CDM) and the Health and Safety at Work, etc. Act 1974 (HSW Act).

DESIGN Status
CONSULTANTS IN ARCHITECTURE & PLANNING

PROPOSED RESIDENTIAL DEVELOPMENT AT NEW ROAD, SUTTON BRIDGE FOR

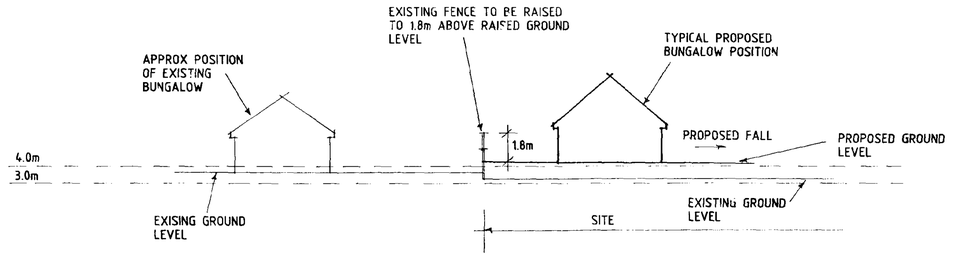
MR. R. BURTON

SITE LAYOUT

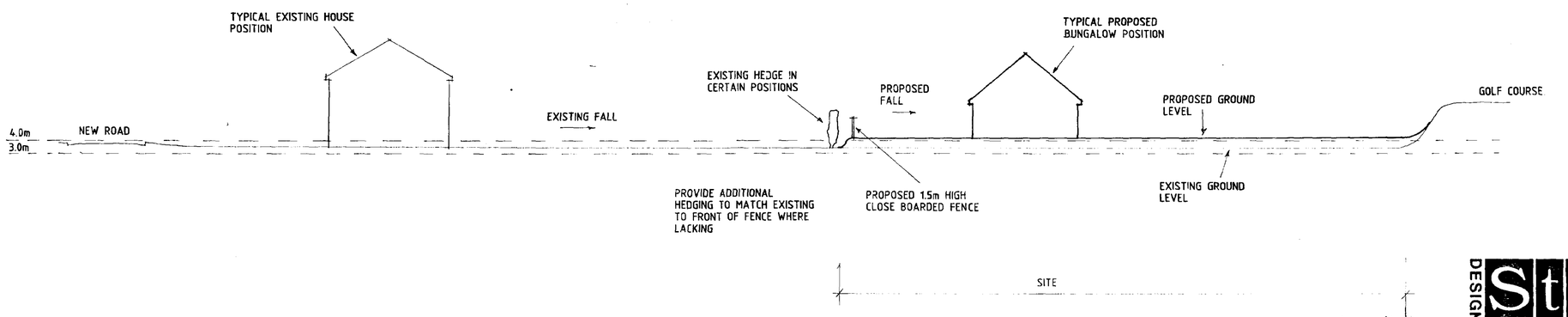
1:200 1:2500 | 771947/1

MAY-97 | B.GILHAM

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TYPICAL CROSS SECTION OF SITE & ADJACENT LAND TO THE NORTH



TYPICAL CROSS SECTION OF SITE & ADJACENT FRONTAGE LAND

THIS DRG. TO BE READ IN CONJUNCTION WITH DEESIGNS DRGS. 139/1, 139/2B, 139/3, 139/SK-C

PLAN

AMENDED PLAN
Ref.

SOUTH HOLLAND DC
HOUSING & PLANNING
17 DEC 1998
Ref: 0881/98

A - GEN ALTS - 15.12.98

DESIGN Status
CONSULTANTS IN ARCHITECTURE & PLANNING

PROPOSED RESIDENTIAL DEVELOPMENT AT NEW ROAD, SUTTON BRIDGE FOR

MR. R. BURTON

1:200 HORIZ. 1:20 VERT.	771947-30
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