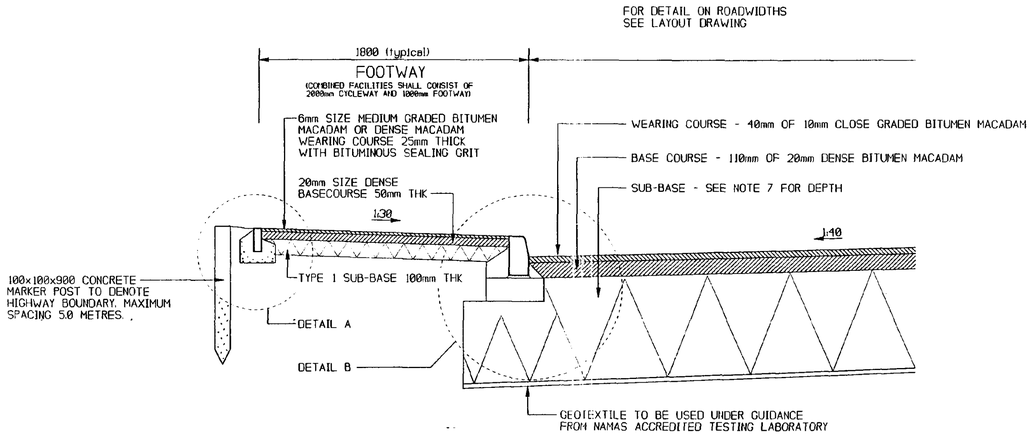
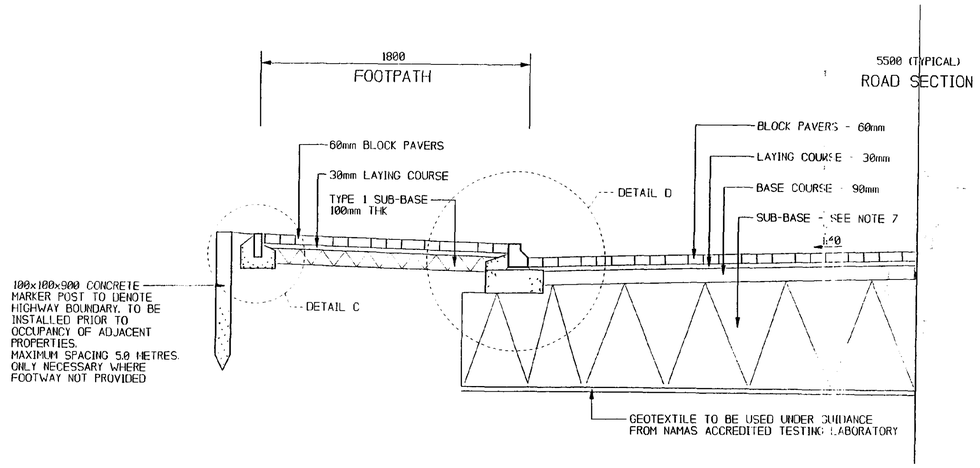
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FLEXIBLE CONSTRUCTION

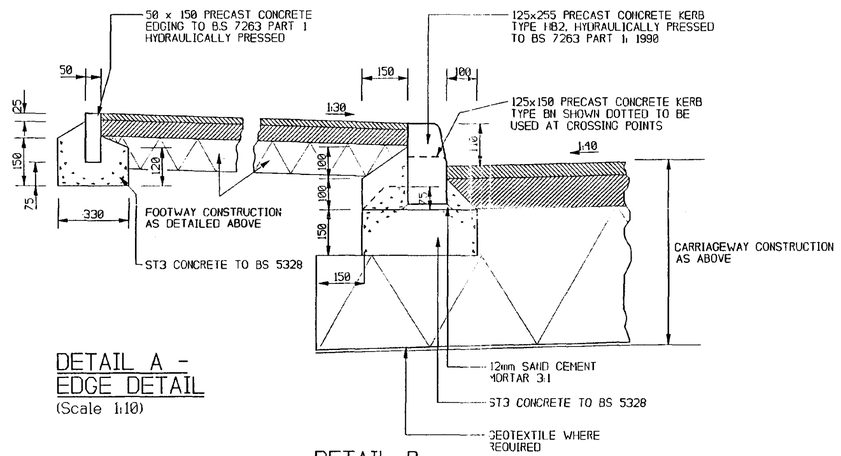


TYPICAL SECTION FLEXIBLE CONSTRUCTION
(Scale 1:20)

SMALL BLOCK PAVERS

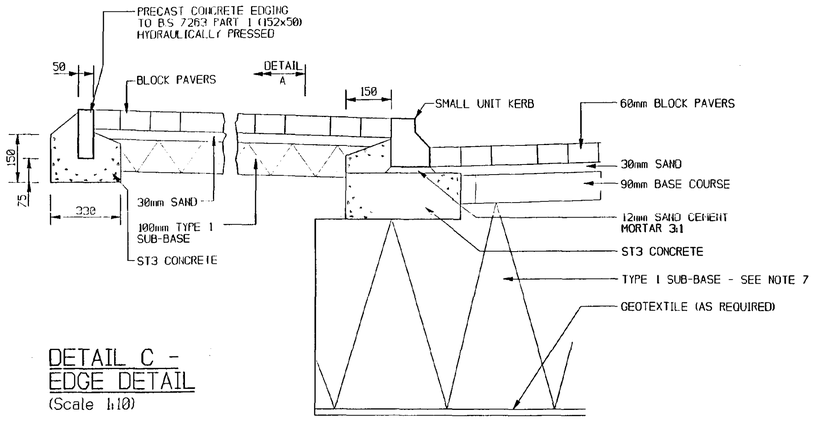


TYPICAL SECTION THROUGH BLOCK PAVED ROAD
(Scale 1:20)



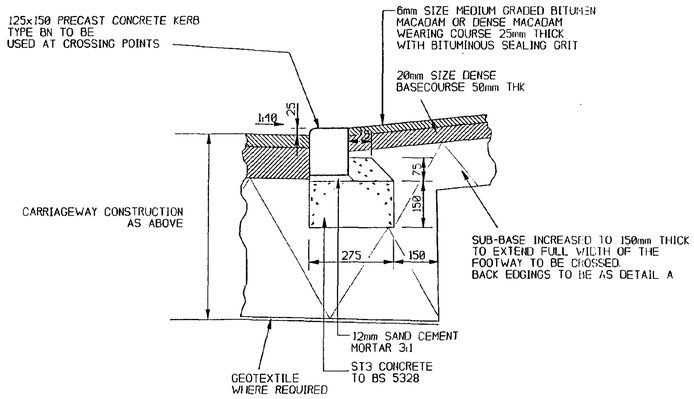
DETAIL A - EDGE DETAIL
(Scale 1:10)

DETAIL B KERB EDGE DETAIL
(Scale 1:10)

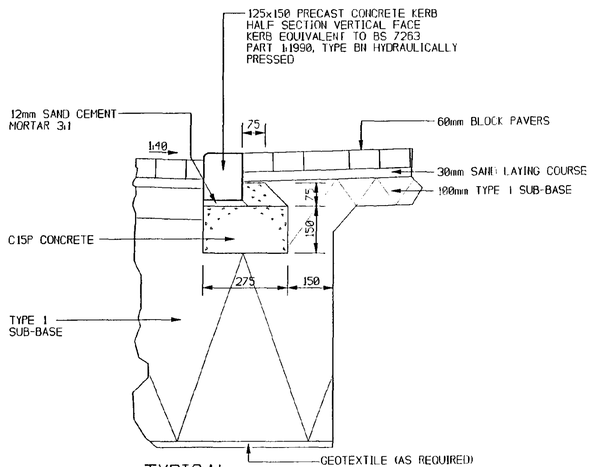


DETAIL C - EDGE DETAIL
(Scale 1:10)

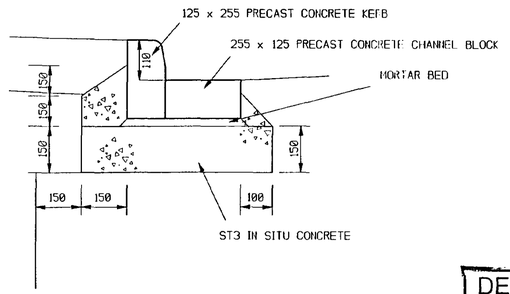
DETAIL D KERB EDGE DETAIL
(Scale 1:10)



TYPICAL VEHICULAR CROSSING DETAIL
(Scale 1:10)



TYPICAL DROP KERB DETAIL
(Scale 1:10)



CHANNEL BLOCK DETAIL
(Scale 1:10)

DETERMINED PLAN

SOUTH [illegible] HOUSE
14 MAR 2001
Ref: 05/5161

NOTES

1. DO NOT SCALE THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
4. NAMAS ACCREDITED LABORATORY CBR TESTS ARE TO BE UNDERTAKEN AND ENGINEER TO BE INFORMED OF RESULTS.
5. BULKFILLING BENEATH ROADS UP TO SUB-BASE LEVEL TO INFILL VOIDS OR SOFT SPOTS TO BE TYPE 6F2 GRANULAR MATERIAL COMPACTED IN LAYERS TO CLAUSE 6.8
6. ALL WORKS TO BE IN ACCORDANCE WITH LINCOLNSHIRE COUNTY COUNCIL HIGHWAYS AND PLANNING "DEVELOPMENT ROAD SPECIFICATION AND CONSTRUCTION 1999"
7. NO ON SITE WORKS SHALL COMMENCE UNTIL A SITE INVESTIGATION REPORT TO BE CARRIED OUT BY A UKAS ACCREDITED COMPANY FROM LINCOLNSHIRE COUNTY COUNCIL APPROVED LIST. HAS BEEN SUBMITTED AND APPROVED BY L.C.C.
8. SUB-BASE THICKNESSES

   CBR < 1½% USE TESTING LABORATORY DESIGN
   CBR 1½% 630mm CONSISTING 330mm GRANULAR FILL TO CLAUSE 6.8 AND 300mm TYPE 1 SUB-BASE
   CBR 2% 400mm TYPE 1 SUB-BASE
   CBR 3% 310mm TYPE 1 SUB-BASE
   CBR 4% OR GREATER, 300mm TYPE 1 SUB-BASE

   NOTE: WHERE SUB-GRADE NON FROST SUSCEPTIBLE SUB-BASE DEPTHS CAN BE REDUCED AS FOLLOWS
   CBR 4% 260mm OF TYPE 1
   CBR 5% 225mm OF TYPE 1
   CBR 6-15% 200mm OF TYPE 1
   CBR > 15% 150mm OF TYPE 1
9. TACTILE CROSSINGS FOR PEDESTRIANS AS CLAUSE 18 SHALL BE PROVIDED AT ALL ROAD JUNCTIONS SERVED BY FOOTWAYS AND WILL HAVE A MIN 2 No. DROPPED KERBS
   FINAL LOCATIONS TO BE AGREED WITH LCC REP.
10. VEHICLE CROSSINGS SHALL BE PROVIDED FOR ALL DRIVEWAY ENTRANCES IN ACCORDANCE WITH CLAUSE 16
11. WHERE CARRIAGEWAY LONGITUDINAL FALLS ARE LESS THAN 1:150 CHANNEL BLOCKS ARE REQUIRED ADJACENT TO KERBING AND WHERE FALLS ARE LESS THAN 1:250, THE CHANNEL BLOCKS SHOULD BE LAID TO FALSE FALLS
12. SMALL BLOCK PAVERS SHALL BE MADE IN CLAY TO BS 6677 PART 1 OR CONCRETE TO BS 6717 PART 1 AND SHALL BE RECTANGULAR TYPE PB CHAMFERED
13. PRECAST CONCRETE PAVING BLOCKS SHALL BE LAID ON 30mm BEDDING LAYER IN ACCORDANCE WITH BS 7533 PART 3 OR IN ACCORDANCE WITH CLAUSE 10.4 OR 16(C) AS INDICATED
14. CYCLEWAY CONSTRUCTION TO BE AGREED WITH LCC SIGNS AND MARKINGS TO BE SUPPLIED AT THE REQUEST OF THE HIGHWAYS MANAGER

Rev.	Amendments	Rev'd By	Date
B	Notes ammended	JB	Jun 00
A	Addition of block paving details	JPB	May 00

Client: STANDARD DETAILS

Project: CARRIAGEWAY DETAILS

Title: STANDARD DETAILS LCC ROADS UPTO 0.25 MSA

Job No:

Drawing No: STND/LCC/01B

Status: PRELIMINARY

Scale: 1:20 | Date: MAY 00

Project Engineer: PW | Drawn By: JPB | Checked By:

Waldeck Associates
Consulting Civil & Structural Engineers
Lindum House, Tentpole, Sleaford, Lincs. NG34 7RX
Tel: 01529 [illegible]
Fax: 01529 [illegible]
E-mail: Waldeck@[illegible]

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NOTE;
THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS;
99002/SLPRD/01,02,03 & 04

GRID A
GRID B
GRID C
GRID D

LANDSCAPING SCHEDULE

SYMBOL — PATHS AND DRIVEWAYS

a. Level Landing (min. size 1200 x 1200).
b. 900 mm. wide paving slabs.
c. 600 mm. wide paving slabs.
d. Gravel driveway with concrete edging strips.
e. 450 mm. high post and wire division fence.
f. 1800 mm. high vertical boarded fence.
g. 1800 mm. high chain link fence.
h. 750 mm. high vertical palisade fence.

TREE AND HEDGE SPECIFICATION

ac. Acer Campestre (Field Maple).
bp. Betula Pendula (Silver Birch).
mp. Malus Profusion (Flowering Crab).
pk. Prunus Kanzan (Flowering Cherry).
rf. Robinia Pseudoacacia 'Frisia' (False Acacia)
ah Aesculus Hippocastanum (Horse Chestnut)
ap Acer Pseudoplatanus (Sycamore)
fe Fraxinus Excelsior (Common Ash)

- All trees to be 1.8 –2.4 m. high standards suitably staked and tied.

cm. Crataegus Monogyna (Common Hawthorn).

- 450-600 mm high planted in 2 rows (300 mm appart) staggered and at 600 mm ctrs.

Broadgate Homes Limited
Broadgate House, Weston Hills,
Spalding, Lincolnshire. PE12 6DB.
Telephone: 01406 380532 Fax:01406 380014

PROJECT TITLE

PROPOSED RESIDENTIAL DEVELOPMENT PLOTS 1–51

TOWN DROVE, QUADRING

DRAWING

SITE LAYOUT

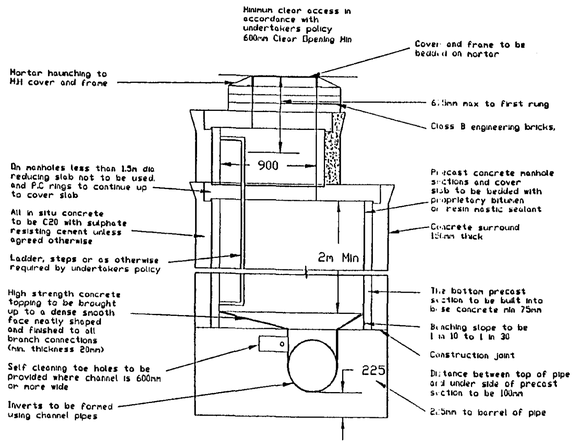
REV	DESCRIPTION	DATE	BY
A	PLOTS 15,39,40,41 AND 42 ADDED	13.12.00	HB
B	PLOTS 16,17,18A,18B,19 AND 20 ADDED	19.12.00	HB
C	ALL PLOTS ADDED AND ALL ROAD INFO	24.01.01	JLH
D	DRAINAGE AMENDED	1.02.01	JLH
E	PLOT NAMES AMENDED AND DRAINAGE	2.02.01	JLH
F	GRID ADDED	14.02.01	JLH
G	AMENDMENTS AS PER SL INSTRUCTION	16.02.01	JLH
H	AMENDMENTS AS PER H.B INSTRUCTION	26.02.01	JLH
I	AMENDMENTS ROSEVILLE BECOMES CHERRYGATE	28.02.01	JLH

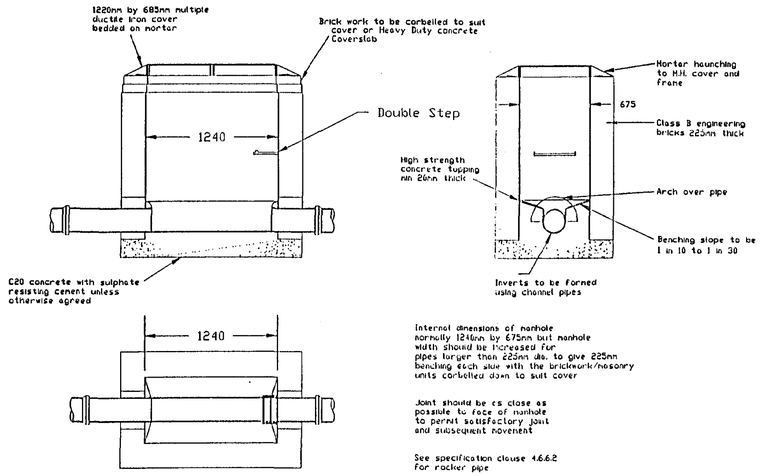
SCALE 1:500 DRAWN JLH REV I

DATE JAN 2001 DRAWING No. 99002/SL

SOUTH HOLLAND DC HOUSING SERVICES Received 2001

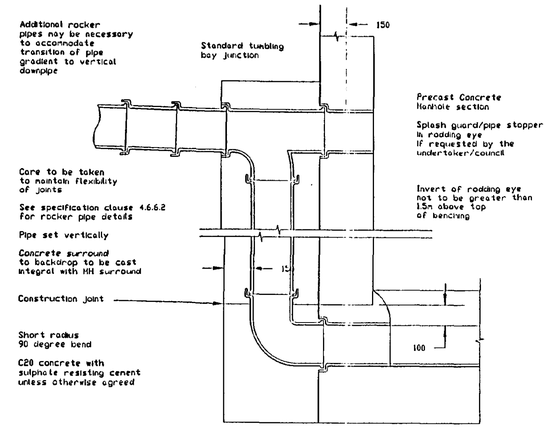
DETERMINED PLAN



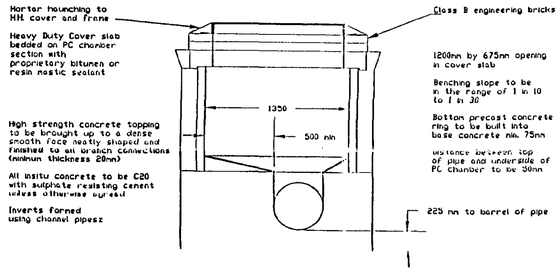


Type C

Depth GL to Soffit of Pipe 1.0 to 1.45m

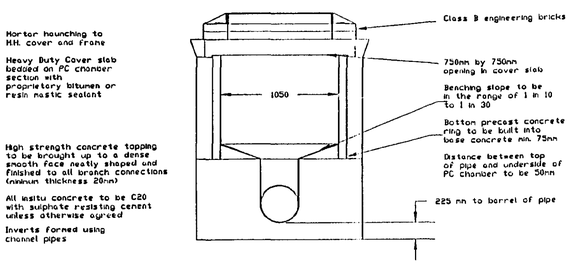


Backdrop



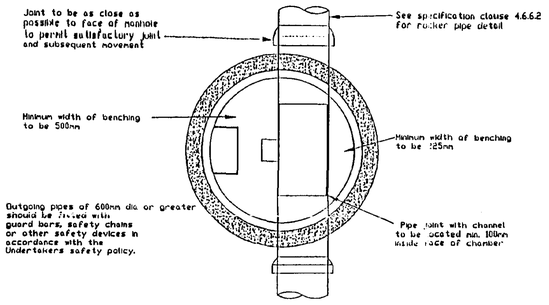
Type E

Depth from GL to Soffit of Pipe 1.0m to 1.45m
Use restricted to locations where Grade B covers are to be used



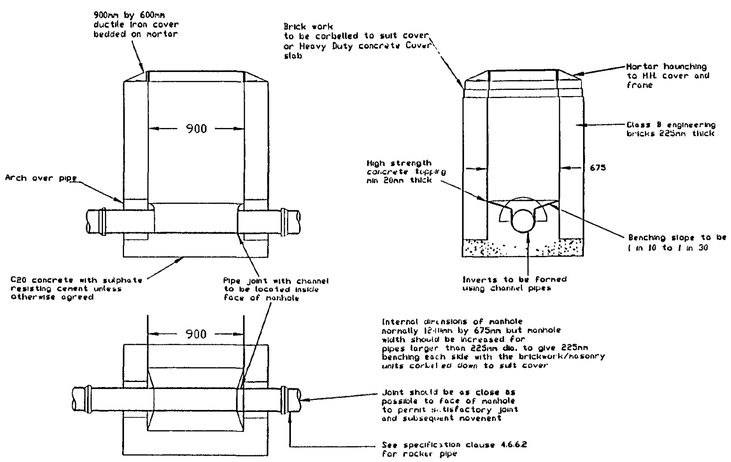
Type F

Depth from GL to Soffit of Pipe less than 1.0m
Use restricted to locations where Grade B covers are to be used



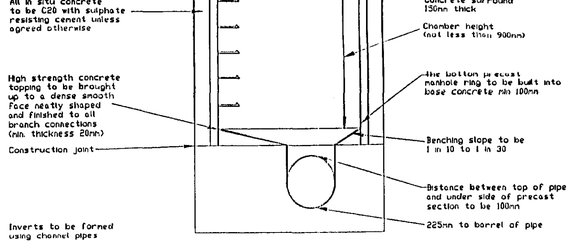
Type A

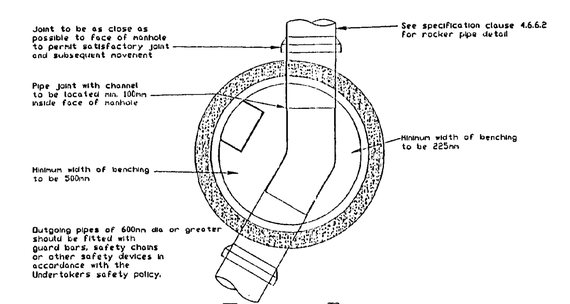
Depth GL to Soffit of Pipe 3 to 6m



Type D

Depth from GL to Soffit of Pipe less than 1.0m





Type B

Max Depth GL to Soffit of Pipe 3m

NOTES

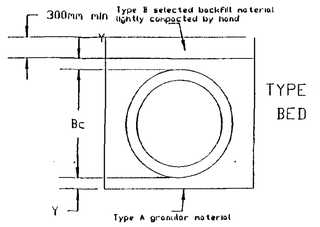
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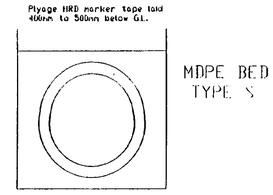
Bc Outside diameter of pipes

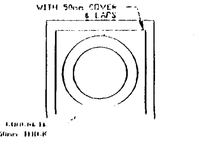
DN Internal diameter of pipes

Dimension Y 1/6Bc or 100mm whichever is the greater but not less than 50mm under sockets, for uniform soils

1/4Bc or 200mm whichever is the greater but not less than 200mm under the sockets in rock or mixed soils







COMPRESSIBLE FILLER TO BE USED AT ALL PIPE JOINTS

REINFORCED CONCRETE BED AND SURROUND DETAIL

NOTES

All concrete to be Sulphate Resisting Class 3

Safety Chains to Clause 4.2.35.1/2 be provided for all outlet pipes of 600mm dia or larger

For Pipes of 600mm Dia & above Access ladder to go to invert of pipe in benching cut out

REV	DATE	DESCRIPTION/REASON FOR ISSUE	ORIG	CHKD	APPR
C	4/97	Notes Revised and RC Bedding Added			
B	8/95	Notes Revised			
A	8/95	Redrawn to SFA 4th Ed			

MTC
The Michael Thomas Consultancy
162 High Street, Newmarket
Suffolk CB8 9AQ
Tel(01638) 560514 Fax(01638) 660516

TITLE

STANDARD DETAILS MANHOLES & BEDDING DETAILS

ORIG	DATE AUG 95	
CHKD	SCALE NTS	
APPR	FILE	
JOB NO -	DRAWING NO SD50	REV C

DETERMINED PLAN

14 MAY 2001

Ref: 05/519

Existing SHDC column for disposal

Notes
Sewerage
1) All adoptable sewers to be constructed in accordance 'sewers for adoption' 4th Edition by the W.R.A. unless otherwise instructed.
2) Surface water from roads and roads to be discharged to surface water sewer.
3)All drives to drain away from highway boundary Gully pots to be provided in all drive low spots.
4) Road gully pots connections only to be adopted by Lincolnshire County Council as Highway Authority.
5) Surface water sewers to be adopted by Anglian Water Services Limited.
6) Sulphate resisting cement to be used for all insitu & precast concrete.
7) Public Sewers to be 3m away from any buildings.

Highways
8) All adoptable highway to be constructed in accordance with "Development Road Specification and Construction 1991" issued by Lincolnshire County Council or any adopted edition.
9) No trees to be planted within 4.5m of the centre line of carriageway.
10) Pram crossings are to be provided at every junction and shall consist of 2 No. 457mm x 150mm dropped kerb laid with a 25mm upstand above the carriageway and two purpose made dropper kerbs.
11) Vehicle crossings shall be provided for all drive entrances and shall be a minimum of 3.6 m wide using 125mm x 150mm precast concrete kerbs to BS 340, 1979 Fig 2(a) with a 25mm upstand and two purpose made dropper kerbs. If less than 3 No full face kerbs between access points then the whole to be laid as dropped kerbs.
12) Vehicle crossings - base shall consist of a compacted thickness of 380mm of DoT Type 1 Granular Sub-base.
13) Give way markings and any necessary signing to be agreed on site with the divisional surveyor.
14) All Pedestrian Crossing Points to have tactile paving provided as LCC Design Guide Para 3.16.6

DRAINAGE NOTES

All works to comply with Building Regulations. 1995

Road gully connections to be 150mm dia. clayware pipes.
Private drain connections to adoptable sewers to be clayware pipes.
Remaining private drains to be 110mm dia. U.P.V.C. or clayware unless otherwise stated.
All pipes, chambers and fittings to be installed, bedded and backfilled in accordance with the manufacturers instructions.
Private drains and sewers which pass adjacent to building foundations to be constructed in accordance with Part H1 of the Building Regulations.
All private drains to incorporate preformed inspection and shallow access chambers where possible.
Traditional chambers (private) to be constructed using precast concrete sections with 150mm concrete surround.

Depth to I.L.	M.H. chamber size (Internal)
1.0m or less	450 x 450mm (normally a preformed chamber 0.9m depth or less)
1.5m or less	1200 x 750mm or 1050mm dia.
Over 1.5m	1200 x 750mm or 1200mm dia.

Inspection chambers situated in drives to have Grade B covers and frames.
Inspection chambers situated in areas not subject to vehicular loading to have Grade C covers and frames.
Rainwater downpipes to be connected directly to surface water drain via 68/110mm adaptors, removable to rod for rodding.
Position of yard gullies shown in garage drives are normal only and may be adjusted on site

All drains in the vicinity of proposed trees to be constructed in accordance with the requirements of N.H.B.C. Practice Note 3.
All back inlet gullies to be rodgeable.

DRAINAGE LEGEND

	Foul	Storm
Existing foul water sewer		
Existing surface water sewer		
Proposed foul water sewer		
Proposed surface water sewer		
Proposed backdrop		
Proposed foul water drain		
Proposed surface water drain		
Proposed inspection chamber (traditional)		
Proposed preformed inspection chamber (depth 900mm or less)		
Proposed preformed inspection chamber (depth 600mm or less)		
Proposed shallow access chamber		
Proposed rodding eye	RE	RE
Proposed chamber invert level		
Proposed gully (Gullies in garage drives to be trapped)		
Suspended slab, where appropriate		
Proposed slab level	FL2.750	
Proposed soakaway		
Proposed Vacuum Point as IC		VP
Extra Facing Brick Courses Required		
Boundary Wall		

STREET LIGHTING

LIGHTING DESIGNED TO COMPLY WITH BS 5489 Part 3 Cat 3

6 metre column with post top mounted lantern to Appendix 14/2 Sheet 2 :-
● Philips SGS 305 TB Pos. 9X tilted at 15°
Set back 1.5 metres BS 5489 Cat 2/3

5 metre column with post top lantern to Appendix 14/2 :-
● Philips ME 50 TB Pos. 3 or equivalent
Set back 1.5 metres from the kerb face. BS 5489 Cat 3/3
See Appendices 13/1, 13/2, 14/1, 14/2, 14/4, & 19/3

INSTALLATION TO BE CARRIED OUT IN ACCORDANCE WITH LINCOLNSHIRE COUNTY COUNCIL STREET LIGHTING SPECIFICATION

All street lights to be provided with REC supplies

DETERMINED PLAN

SOUTH HOLLAND DC
HOUSING & PLANNING
15 JUN 2001
Ref: H15/0575/01

REV	DATE	DESCRIPTION/REASON FOR ISSUE	ORIG	CHKD	APPR
E	9/00	Streetlights amended			
C	7/96	Note 37 Added Hargin Alt			
B	7/96	Streetlights amended			
A	6/96	Adjustment to Drainage Runs			

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TITLE
BROADGATE HOMES LTD
Town Drove Quadring
Layout

ORIG	DATE 3/96
CHKD	SCALE 1/500
APPR	FILE
JOE NO -	DRAWING NO 17796/2
	REV D

MASTER COPY