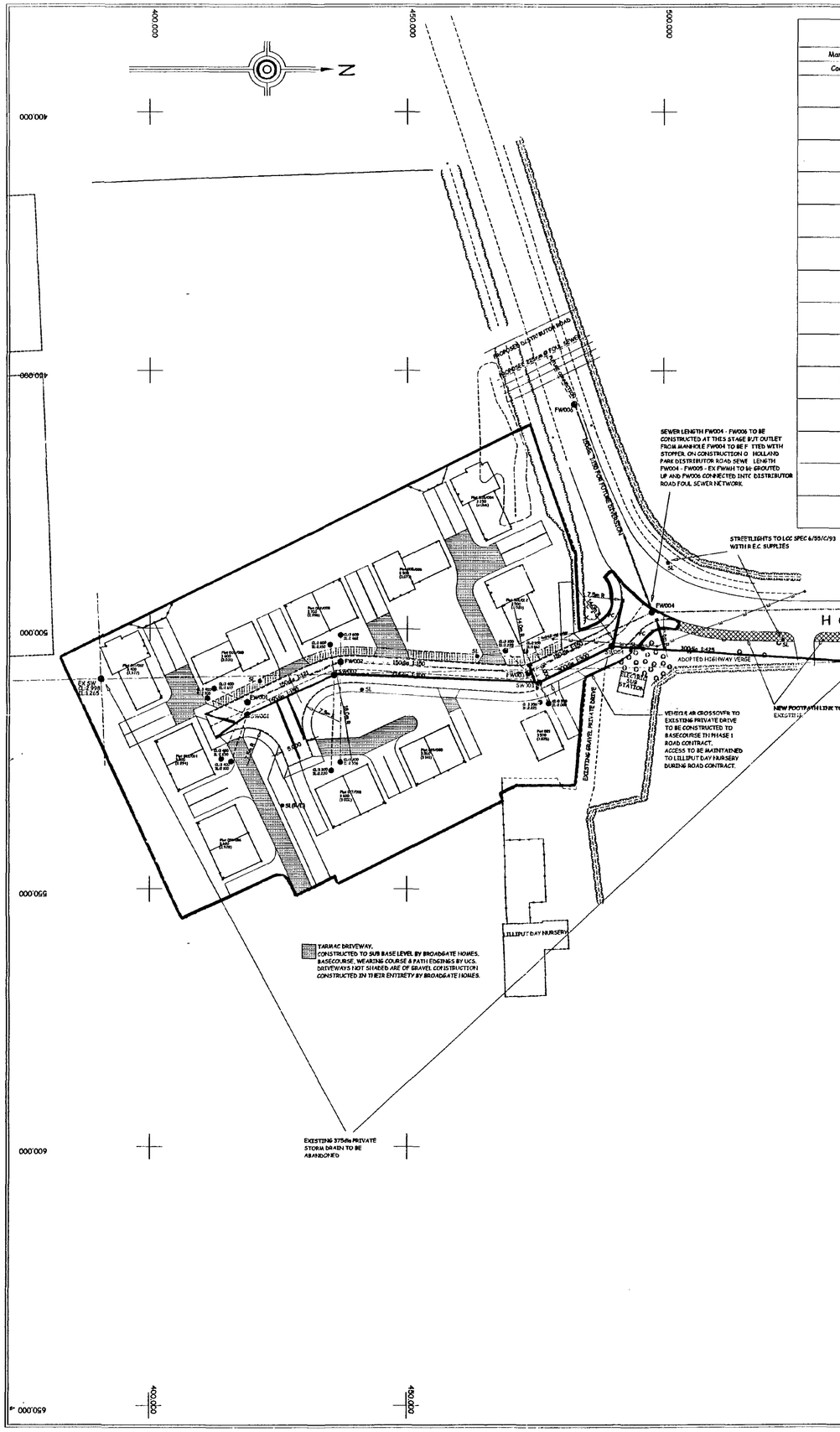


Manhole Schedules - Foul

Model Desc - HORSESHOE ROAD SPALDING
Scheme : FOUL

Manhole Name / Coordinates	Cover Level / Manhole Depth	Layout Diagram	Pipe	Inverts	Pipe Diameter	Manhole Size & Type
FW 001 514.077 418.825	3.320 1.033	1 2 / 0	1 2 0	2.287 2.287 2.287	150 150 150	1240x675 C
FW 002 506.364 436.928	3.467 1.343	1 2 3 / 0	1 2 3 0	2.124 2.124 2.124 2.124	150 150 150 150	1240x675 C
FW 003 508.382 473.534	3.225 1.345	1 2 3 / 0	1 2 3 0	1.880 1.880 1.880 1.880	150 150 150 150	1240x675 C
FW 004 496.504 497.690	3.221 1.520	1 2 / 0	1 2 0	1.701 1.701 1.701	150 150 (stopper) 150	1200 B
FW 005 495.238 586.500	3.074 1.817	1 / 0	1 0	1.257 1.257	150 150	1200 B
EX FW 493.026 680.468	3.097 X) 2.460 X)	0 2 1	1 2 0	0.787 0.637 (EX) 0.637 (EX)	150 300 300	EXISTING
FW 006, 456.532 482.583	3.152 1.736	0 / 1	1 0	1.416 1.416	150 150	1200 B

Manhole Schedules - Storm

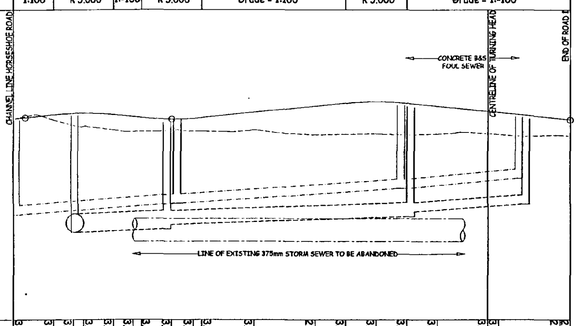
Model Desc - HORSESHOE ROAD SPALDING
Scheme : STORM

Manhole Name / Coordinates	Cover Level / Manhole Depth	Layout Diagram	Pipe	Inverts	Pipe Diameter	Manhole Size & Type
SW 001 516.598 418.790	3.283 1.411	2 1 3 / 0	1 2 3 0	1.872 1.872 1.872 1.872	150 150 150 150	1200 B
SW 002 508.884 435.711	3.477 1.729	1 2 3 / 0	1 2 3 0	1.748 1.748 1.748 1.673	150 150 150 225	1200 B
SW 003 510.206 475.827	3.205 1.741	1 2 3 / 0	1 2 3 0	1.539 1.514 1.614 1.464	225 150 150 300	1200 B
SW 004 503.226 489.892	3.296 1.884	1 2 / 0	1 2 0	1.412 1.562 1.412	300 150 300	1200 B
EX SW 506.749 538.091	3.165 1.900	3 / 1 2	1 2 3	1.298 1.265 1.265	300 600 600	EXISTING

Road 1

Horz. Scale 1/500
Vert. Scale 1/50

Horiz Alignment	Str	Arc	Straight	Arc	Straight	Circ Arc	Straight
	L 4.72	R 14	L = 12.398	R 14	Length = 29.594	R -18	Length = 21.922
Vert Alignment	Straight	Hog Curve	Str	Sag Curve	Straight	Hog Curve	Straight
	1:100	k 5.000	1:-100	k 5.000	Grade = 1:100	k 5.000	Grade = 1:-100



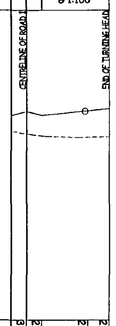
0.000m A.O.D.

Chainage	0.000	5.731	10.000	14.732	15.732	20.000	21.392	26.392	30.000	31.392	40.000	50.000	55.000	60.000	65.000	70.000	80.000	90.000
Ex Ground Level	3.17	3.23	3.14	3.13	3.07	3.04	3.04	3.04	3.05	3.04	3.07	2.99	3.00	3.01	3.00	3.01	3.01	2.99
Prop Road Level	3.245	3.312	3.334	3.337	3.312	3.280	3.266	3.241	3.254	3.266	3.352	3.452	3.502	3.527	3.502	3.452	3.370	3.282
Foul Manhole	FW 004							FW 003	1240x675						FW 002			FW 001
Pipe Details	Dia=225		Diam= 150 1:150 26.92					1240x675			Diam= 150 1:150 36.66				1240x675	150 1:121 19.68		1240x675
Cover Level	3.221							3.225							3.467			3.320
Invert Level	1.701							1.880							2.124			2.287
Storm Manhole		SW 004						SW 003							SW 002			SW 001
Pipe Details		Dia=1200	300 1:300 15.70					Dia=1200			Diam= 225 1:300 40.14				Dia=1200	150 1:150 18.60		Dia=1200
Cover Level		3.296						3.205							3.477			3.283
Invert Level		1.412						1.464	1.539						1.673	1.748		1.672

Road 1 turning head

Horz. Scale 1/500
Vert. Scale 1/50

Horiz Alignment	Straight
	Length = 13.500
Vert Alignment	Straight
	G 1:100



0.000m A.O.D.

Chainage	0.000	2.500	10.000	13.500
Ex Ground Level	3.01	2.98	2.96	2.97
Prop Road Level	3.308	3.370	3.308	3.383
Foul Manhole				
Pipe Details				
Cover Level				
Invert Level				
Storm Manhole				
Pipe Details				
Cover Level				
Invert Level				
Chainage	0.000	2.500	10.000	13.500

NOTES:

1. ALL SEWERS TO BE CONSTRUCTED TO S.F.A. 4TH EDITION
2. BRANCH CONNECTIONS AND GULLY BRANCHES TO BE 150mm CLAY EXTRA STRENGTH LEAD NOT FLATTER THAN 1:150. GULLY BRANCHES TO HAVE CONCRETE BED AND SURROUND. BRANCH CONNECTIONS TO HAVE GRAVEL BED AND SURROUND.
3. ALL PIPES WITH COVER LESS THAN 1.2m TO HAVE CONCRETE BED AND SURROUND.
4. ALL PIPES WITH COVER IN EXCESS OF 1.2m TO HAVE GRAVEL BED AND SURROUND.
5. CONCRETE PIPES TO BE CLASS N.
6. CLAY PIPES TO BE EXTRA STRENGTH
7. PRECAST CONCRETE PRODUCTS AND IN-SITU CONCRETE TO CONTAIN A MINIMUM CLASS 3 SULPHATE RESISTANT CEMENT.
8. ALL MANHOLE COVERS TO HAVE 600mm x 600mm CLEAR OPENING IN ACCORDANCE WITH B.S. EN124 CLASS D400 AND EMBOSSED FW OR AS APPROPRIATE.
9. ALL CARRIAGEWAY MARKINGS AND SIGNING TO BE PROVIDED AT THE DISCRETION OF THE DIVISIONAL SURVEYOR.

O DENOTES GULLY POSITION ON LONG SECTION.

PC DENOTES PRAM CROSSING WITH TACTILE PAVING.

SL DENOTES STREETLIGHT TO LCC SPEC 5/95/C/93. COLUMNS TO BE PROVIDED WITH R.E.C. SUPPLIES AND LCC TERMINATION TYPE A (5014/4A). COLUMNS SITED WITHIN THE ADOPTABLE HIGHWAY AND GENERALLY IN ACCORDANCE WITH APPENDIX H OF THE LCC DESIGN GUIDE FOR RESIDENTIAL AREAS 1996. COLUMNS SHALL NOT BE INSTALLED WITHIN DROPPED KERB AREAS WITHOUT PRIOR AGREEMENT FROM THE STREET LIGHTING ENGINEER. (R/L) DENOTES HINGED COLUMN TO LCC SPEC 5/95/R+L/93

PROPOSED PLOT LEVELS SHOWN ARE INDICATIVE AND ARE RELATIVE TO DRAINAGE LEVELS AND EXISTING GROUND LEVEL (SHOWN IN BRACKETS). EXACT PLOT LEVEL TO BE SET ON SITE BY BROADGATE HOMES.

FOR OFFSITE LONG SECTIONS SEE DRG No. 98-62-04

DETERMINED PLAN

SOUTH HOLLAND DC HOUSING & PLANNING -7 OCT 1998 Ref: 0995/98

BROADGATE HOMES

AMENDMENTS:

REF.	DESCRIPTION	DATE.
A	VISI SPLAY PLOT 1 ADDED. FOOTPATHS AMENDED.	22.06.98
B	FOUL SEWER AMENDED. SLAB LEVELS AMENDED.	03.07.98
C	PROVISION FOR FUTURE FOUL SEWER DIVERSION ADDED	17.07.98
D	FOUL SEWER INVERTS AMENDED	24.07.98

CLIENT:
BROADGATE HOMES LTD
for LONGHURST HOUSING ASSOC.

PROJECT:
HORSESHOE ROAD
HOLLAND PARK
SPALDING

TITLE:
ROAD AND SEWER LAYOUT
MANHOLE SCHEDULES & LONG SECTIONS

SCALE:	DATE:
1:500	JUNE 1998

DRAWING No:	DRAWN BY:	CHECKED BY:
98-62-03-D	G.W.HALL	

Design & Build

UNIVERSAL CONSTRUCTION SERVICES LIMITED
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