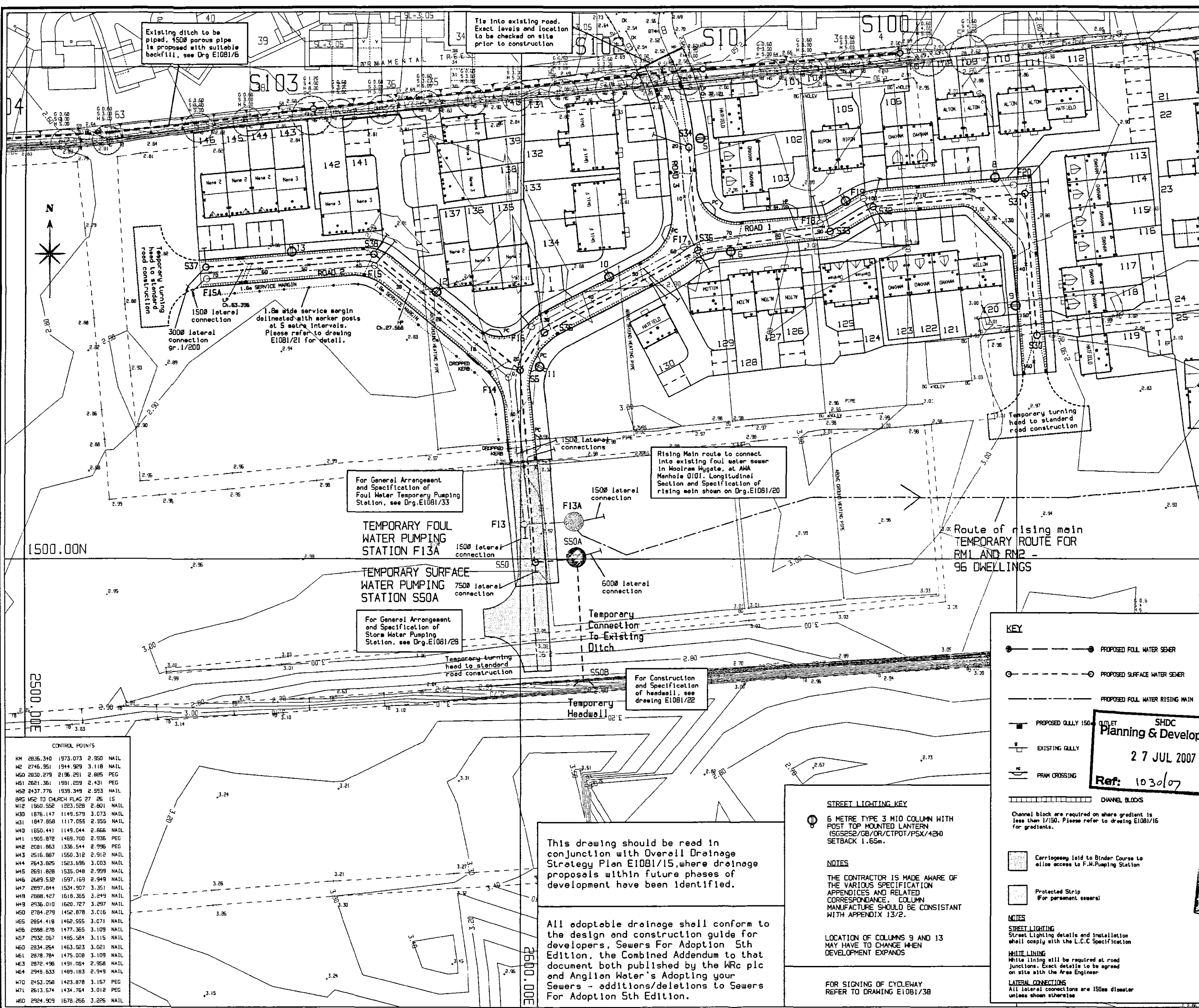




STORM WATER MANHOLE SCHEDULE					
Manhole No.	Cover Level	Chamber #	Chamber Type	Co-ords	Lowest Invert Level
S30	3.04	1200	X	2704.011E 1545.214N	1.473
S31	3.03	1500	B	2701.555E 1574.109N	1.202
S32	3.35	1500	B	2670.817E 1571.419N	1.124
S33	3.39	1500	B	2662.130E 1565.462N	1.099
S34	2.83	1500	B	2638.494E 1563.529N	1.270
S35	3.31	1800	B	2636.397E 1562.679N	0.882
S36	3.12	1800	B	2604.678E 1545.879N	0.835
S37	2.93	1200	X	2636.218E 1559.388N	1.353
S38	3.03	1500	B	2670.079E 1561.981N	1.070
S5	3.07	1800	B	2629.855E 1535.872N	0.825
S50	3.03	1800	B	2612.982E 1539.380N	0.630
S50A	3.00			2611.163E 1530.341N	0.770 from S50
S50B				2612.576E 1475.511N	2.200

FOUL WATER MANHOLE SCHEDULE					
Manhole No.	Cover Level	Chamber #	Chamber Type	Co-ords	Lowest Invert Level
F20	3.07	1200	B	2639.287E 1575.859N	0.559
F19	3.34	1200	B	2638.875E 1573.108N	0.356
F18	3.42	1200	B	2650.177E 1568.137N	0.289
F17	3.32	1200	A	2632.513E 1563.373N	0.102
F16	3.11	1200	A	2602.051E 1547.038N	-0.128
F15	3.05	1200	B	2578.287E 1535.543N	0.035
F15A	2.92	1200	B	2538.329E 1555.908N	0.251
F14	3.05	1200	A	2627.492E 1535.808N	-0.201
F13	2.99	1500	A	2600.669E 1505.977N	-0.401
F13A	3.00			2619.651E 1507.593N	-0.45

REVISION					Date	Drawn By	Checked By
Rev. No.	1	2	3	4	5		
A	Site layout updated.					Sept.05	NJB
B	Sewer levels and manhole schedules amended.					08.05	HGC
C	House types and blocks updated. Temporary water sewer sewer S5 to pumping station revised to 500mm diameter. Rising main revised.					10.10.05	HGC
D	Infrastructure shown for RM1 only. Road 3 amended to site in with existing road and manhole schedule updated to suit. Client drawing number added to title box.					05.10.05	HGC
E	Temporary Foul Water Pumping Station proposed. Foul water drainage amended to suit.					10.11.05	HGC
F	Cycleway added to road 1. Layout amended to architect site layout. Manhole S27 moved. House types revised. Street lighting added.					25.11.05	NJB
G	Foul RM F15 moved and levels revised. RM F15A and sewer length F15 - F15A added. Schedule updated.					13.12.05	HGC
H	Manhole schedule amended. Adoptable drainage note added. Contour lines and survey point added. House types and blocks updated.					17.1.06	NJB
I	Service margin added to roads 1 and 2. Channel block shown.					03.2.06	NJB

Written dimensions to be taken. Do not scale off the drawing. Any discrepancies, written or scaled, should be brought to the attention of the engineer immediately. This drawing is to be read in conjunction with the relevant Bill of Materials and Local Authority Specification. CDH NOTES: The design has been undertaken as far as possible to avoid risks to health and safety or to reduce and control the effects of any unavoidable risks. All relevant information identifying the unavoidable risks has been passed to the planning supervisor or inclusion in the Health & Safety plan. The Health & Safety plan will be issued by the planning supervisor with these drawings.

SHDC Planning & Development
27 JUL 2007
Ref: 1030/07

WORMALD, BURROWS PARTNERSHIP
Civil Engineering Consultants
12a & 14a Hitchin Street,
Biggleswade, Beds SG18 8AX, U.K.
Tel 01767 317244
Fax 315434

Project: Development at Hygate South, Spalding, Lincolnshire

Drawing Description: Adoptable Roads and Sewers Plan RM1

Client: Atkinson Homes Eastern Limited
Holland Place
Herdentree Park
Pinchbeck
Spalding
Lincoln PE11 3ZN

Client Drawing Number: A027/201/01

Drawn By: HGC
Date: 09.05

Checked By: HGC
Date: 20.05.06

Engineering Drawing Number: E1081/13/1

Scale: 1/500

131: 1081: N.C. Rev. 27 11: 54: 48: 2006: char: 2006

KEY

- PROPOSED FOLL WATER SEWER
- PROPOSED SURFACE WATER SEWER
- PROPOSED FOLL WATER RISING MAIN
- PROPOSED GULLY 150mm
- EXISTING GULLY
- PRAM CROSSING
- CHANNEL BLOCKS

Channel block are required on where gradient is less than 1/150. Please refer to drawing E1081/15 for gradients.

Carriageway laid to Binder Course to allow access to F.W. Pumping Station

Protected Strip (For permanent sewers)

NOTES

STREET LIGHTING
Street lighting details and installation shall comply with the L.C.C. Specification

WHITE LINING
White lining will be required at road junctions. Exact details to be agreed on site with the Area Engineer

LATERAL CONNECTIONS
All lateral connections are 150mm diameter unless shown otherwise

STREET LIGHTING KEY

6 METRE TYPE 3 MID COLUMN WITH POST TOP MOUNTED LANTERN (SGS252/GB/OR/CTPOT/PSX/424) SETBACK 1.65m

NOTES

THE CONTRACTOR IS MADE AWARE OF THE VARIOUS SPECIFICATION APPENDICES AND RELATED CORRESPONDANCE. COLUMN MANUFACTURE SHOULD BE CONSISTANT WITH APPENDIX 13/2.

LOCATION OF COLUMNS 9 AND 13 MAY HAVE TO CHANGE WHEN DEVELOPMENT EXPANDS

FOR SIGNING OF CYCLEWAY REFER TO DRAWING E1081/38

This drawing should be read in conjunction with Overall Drainage Strategy Plan E1081/15, where drainage proposals within future phases of development have been identified.

All adoptable drainage shall conform to the design and construction guide for developers, Sewers For Adoption 5th Edition, the Combined Addendum to that document both published by the WRc plc and Anglian Water's Adopting your Sewers - additions/deletions to Sewers For Adoption 5th Edition.

CONTROL POINTS					
KM	2836.340	1973.073	2.950	NAIL	
M2	2746.351	1944.929	3.118	NAIL	
M50	2830.279	2196.251	2.885	PEG	
M51	2621.361	1981.259	2.431	PEG	
M52	2437.776	1939.349	2.553	NAIL	
ORG	M52 TO CHURCH FLAG 27	26	IS		
M12	1650.552	1233.528	2.801	NAIL	
M30	1876.147	1149.579	3.073	NAIL	
M31	1947.858	1117.055	2.955	NAIL	
M40	1650.441	1149.044	2.866	NAIL	
M41	1905.872	1469.700	2.936	PEG	
M42	2081.863	1336.544	2.936	PEG	
M43	2516.887	1550.312	2.912	NAIL	
M44	2643.825	1523.696	3.003	NAIL	
M45	2691.828	1535.048	2.999	NAIL	
M46	2689.532	1597.169	2.949	NAIL	
M47	2697.844	1534.907	3.351	NAIL	
M48	2688.427	1518.355	3.243	NAIL	
M49	2536.010	1620.727	3.297	NAIL	
M50	2784.279	1452.878	3.016	NAIL	
M55	2854.418	1462.555	3.071	NAIL	
M56	2888.276	1477.365	3.109	NAIL	
M57	2932.067	1485.584	3.115	NAIL	
M60	2834.264	1463.023	3.021	NAIL	
M61	2878.784	1475.008	3.109	NAIL	
M63	2872.496	1491.084	2.958	NAIL	
M64	2945.633	1489.183	2.949	NAIL	
M70	2453.056	1423.878	3.157	PEG	
M71	2613.574	1434.764	3.012	PEG	
M80	2924.509	1678.266	3.226	NAIL	