SCHEDULE OF ADOPTABLE DRAINAGE (PIPEWORK)

SURFACE WATER				FOUL WATER			
Pipe Number	Pipe Length(m)	Diameter mm	Slope 1:x	Pipe Number	Pipe Length(m)	Diameter mm	Slope 1:x
1.000	25.18	150	100.0	100.000	18.27	150	150.0
1.001	19.47	225	167.0	100.001	21.62	150	150.0
1.002	19.93	225	167.0	101.000	35.00	150	150.0
2.000	35.00	150	100.0	100.002	18.04	150	150.0
1.003	18.10	300	238.0	100.003	27.68	150	150.0
1.004	27.13	375	290.0	100.004	18.85	150	150.0
1.005	18.67	375	280.0	100.005	24.39	150	150.0
1.006	23.42	525	400.0	102.000	45.37	150	150.0
3.000	26.66	300	238.0	102.001	28.09	150	150.0
3.001	41.05	375	290.0	100.006	16.79	150	150.0
3.002	18.20	375	290.0	100.007	42.02	150	150.0
4.000	23.78	150	100.0	100.008	32.32	150	150.0
3.003	14.23	525	400.0	100.009	24.79	150	150.0
1.007	13.83	525	400.0	100.010	22.01	150	150.0
1.008	40.37	525	400.0	100.011	9.86	150	150.0
1.009	9.25	1800	500.0	100.012	13.68	150	150.0
1.010	22.92	1800	487.0				
1.011	17.24	1800	504.0				
1.012	5.05	375	200.0				
1.013	6.07	525	400.0				

SCHEDULE OF PROPOSED ADOPTABLE HIGHWAYS

ROAD	TYPE	LENGTH m	WIDTH m	FINISH
1	MAJOR ACCESS ROAD	150.13	5.5	FLEXIBLE
2	MINOR ACCESS ROAD	268.48	5.5	FLEXIBLE

SCHEDULE OF ADOPTABLE DRAINAGE (MANHOLES)

SURFACE WATER					FOUL WATER				
Manhole Number	Coordinates Easting	Northing	Invert Level	Cover Level	Manhole Number	Coordinates Easting	Northing	Invert Level	Cover Level
S1	640.163	5092.617	2.374	3.810	F1	837.163	5065.636	2.718	3.940
S2	837.083	5087.83	2.047	3.940	F2	852.748	5058.082	2.598	3.830
S3	853.624	5057.397	1.930	3.820	F13	885.944	5078.46	2.238	3.830
S15	885.33	5078.86	2.238	3.820	F3	871.163	5044.734	2.452	3.880
S4	870.577	5048.921	1.738	3.680	F4	887.739	5037.618	2.333	3.710
S5	887.245	5039.882	1.860	3.700	F5	914.983	5032.697	2.148	3.780
S6	913.898	5034.85	1.471	3.780	F6	933.823	5033.332	2.022	3.850
S7	932.525	5035.186	1.257	3.861	F14	1032.842	5033.472	2.355	3.800
S16	1034.755	5009.463	1.778	3.870	F15	987.273	5033.882	2.053	3.570
S17	1029.412	5035.577	1.589	3.810	F7	956.198	5034.154	1.858	3.480
S18	988.361	5035.727	1.447	3.580	F8	957.863	5050.842	1.747	3.590
S20	970.12	5012.016	1.847	3.480	F9	988.766	5081.522	1.468	3.400
S19	970.162	5035.793	1.234	3.460	F10	963.328	5123.392	1.253	3.580
S8	955.936	5035.845	1.198	3.500	F11	987.805	5147.748	1.087	3.770
S9	955.885	5049.887	1.163	3.580	F12	977.328	5167.837	0.808	4.410
S10	988.280	5088.813	0.222	3.400	F13	985.633	5171.000	1.087	3.770
S11	985.874	5097.954	0.205	3.400					
S12	981.311	5120.318	0.159	3.560					
S13	983.658	5137.385	0.125	3.880					
S14	935.349	5203.751	2.718	4.200					

Notes:

Road widths 5.5m.
Footpaths 1.8m wide.
Junction radii:-
10m at junction with BRIDGE ROAD and
6m within the internal layout of the site.
Junction Visibility Splays:-
4.5m x 90m at the junction with BRIDGE ROAD and
2.4m x 45m at the junction of ROAD 1 and ROAD 2

This drawing is to be read in conjunction with the Architect's and the Landscape Architect's drawings

Existing SW Manhole 4453

Existing SW Manhole 4452

Existing SW Manhole 4451

Existing Adopted AWSL SW Sewer is to be confirmed on site and increased to 525mmø if required.

Proposed 525mmø Surface Water Sewer

Existing Sign Post 4387 to be removed and new Diagram 507.1 plate with Simmonsigns "LUA" lantern to be attached to new lighting column 261. [NB. Diagram 507.1 to have right-hand junction first]

Break into side of existing chamber to connect 150mmø FW sewer @ soffit of 300mmø public sewer. All work subject to the approval of AWSL.

Existing FW Manhole 5301

All existing obstructions within the proposed 4.5mx90.0m visibility splays are to be removed or repositioned at the back of the footway. All to the approval of the L.A. Engineer.

Existing Adopted 300mmø FW Sewer

Surface Water Rising Main 355mmOD Table SDR17.6 PE100 MRS

4.5m x 90.0m visibility splays

Junction of Road 1 with Bridge Road. Standard "Give Way" junction markings in white thermoplastic, in accordance with the latest edition of the "Traffic Signs, Regulations and General Directions" and all to the approval of the Local Authority Engineer.

"Give Way" sign, 750mm, internally illuminated, in accordance with the latest edition of the "Traffic Signs, Regulations and General Directions" and all to the approval of the Local Authority Engineer.

AWSL Sewer Easement

Existing Lighting Column 262 to be resited to the rear of the visibility splay.

Proposed Adopted Surface Water Pump Station

150mmø stub to adjoining property.

Permeable Surfacing (Shown hatched)

Area of shared drive constructed to adoptable standards to allow for emergency vehicle turning.

Dotted line indicates 'V' turning head

Parking bays to plots 63 & 66 are to be constructed to adoptable standards to allow for emergency vehicle turning.

Junction of Road 1 with Road 2. Standard "Give Way" junction markings in white thermoplastic, in accordance with the latest edition of the "Traffic Signs, Regulations and General Directions" and all to the approval of the Local Authority Engineer.

Bollard

Planning SHDC
12 NOV 2004
Rec'd 15/10/04

DETERMINED

DO NOT SCALE

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NOTES

1. This drawing should be read in conjunction with all other Architect's, Engineer's and specialist contractor's details.
2. The position of all existing drainage apparatus should be verified on site prior to the commencement of the works. Any discrepancies should be reported to the Engineer immediately.
3. All dimensions are in metres unless otherwise stated.
4. All works on existing public sewers, and the construction of sewers that are to be adopted shall be in accordance with WSA "Sewers For Adoption (5th edition)" and subject to the approval of Anglian Water Services Ltd (AWSL) or their agents.
5. Surface water drainage shall be subject to the approval of the drainage authority and the Environment Agency.
6. The highway layout and all highway materials, construction details and workmanship shall be subject to the approval of Lincolnshire County Council or their Agents. The specification in all respects shall be in accordance with the current "Lincolnshire Design Guide for Residential Areas" and "Development Road Specification and Construction" publications in force in the County at the time of construction.
7. All "Stub" connections to the proposed adoptable drainage to be 150mmø @ 1:150, unless stated otherwise.
8. All gully connections within adoptable highway to be 150mmø concrete encased, all in accordance with the Lincolnshire County Council highways specification.
9. Street Lighting

   5m tubular steel column with "G1" hot-dipped galvanised finish, and post-top mounted Urbis "Sapphire" lantern with 42W PL-T lamp and SELC 841 photo-electric control.

   8m tubular steel column with "G1" hot-dipped galvanised finish, and post-top mounted Urbis "Sapphire 2" lantern with 100W SON-T(PLUS) lamp and SELC 841 photo-electric control.

   Existing lighting column to be resited as shown.

   Existing lighting column to remain.

   Existing lighting column to be removed.

   Existing illuminated sign to be removed and new plate and lantern installed on new lighting column as shown.

   Existing illuminated "Keep Left" bollard to remain.

   Notes:-
   i)All materials and installations to be in accordance with Lincolnshire C.C. specifications.
   ii)All electricity service works to be carried out by the regional Electricity Company at the Developer's expense.

10. Private Driveways & Garage Courts Lighting.

    4m tubular steel column with "G20C" hot-dipped galvanised and black painted finish, and post-top mounted Urbis "Aura" lantern with 50W SON-T (PLUS) lamp and integral electronic photo-electric control.
    Notes:-
    i)Lighting to remain private.
    ii)All to the approval of the Local Planning Authority.

Ref.	Revision	Date	By
I	Drainage amended, AWSL comments 03-06-04.	06/04	MD
H	Drainage amended, rising main details added.	06/04	MD
G	Amendments to comments from LCC 26-05-04. Private Lighting added JWC letter 01-06-04. Drainage amended.	06/04	MD
F	Courtyard amended and manhole schedule amended.	05/04	MD
E	Layout updated to metz C002-A received 16-04-04. Highway layout amended to LCC comments 22-04-04. Street Lighting added. Drainage amended AWSL letter received 26-04-04.	04/04	MD
D	Layout updated to metz C002 received 24-03-04. Block 12 repositioned.	04/04	MD
C	Levels added. Drainage amended. Layout updated to metz BR02 D received 18-03-04.	03/04	MD

Issue: PRELIMINARY

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Project Title
PROPOSED DEVELOPMENT
BRIDGE ROAD, SUTTON BRIDGE,
LINCOLNSHIRE.
FOR CANNON KIRK (UK) LTD

Drawn: MD | Date: 08/03
Scale: 1:500 @ A1 | Checked:

Drawing Title
PROPOSED ROAD AND DRAINAGE LAYOUT

Project No.	Drawing No.	Revision
03/6382	100	I