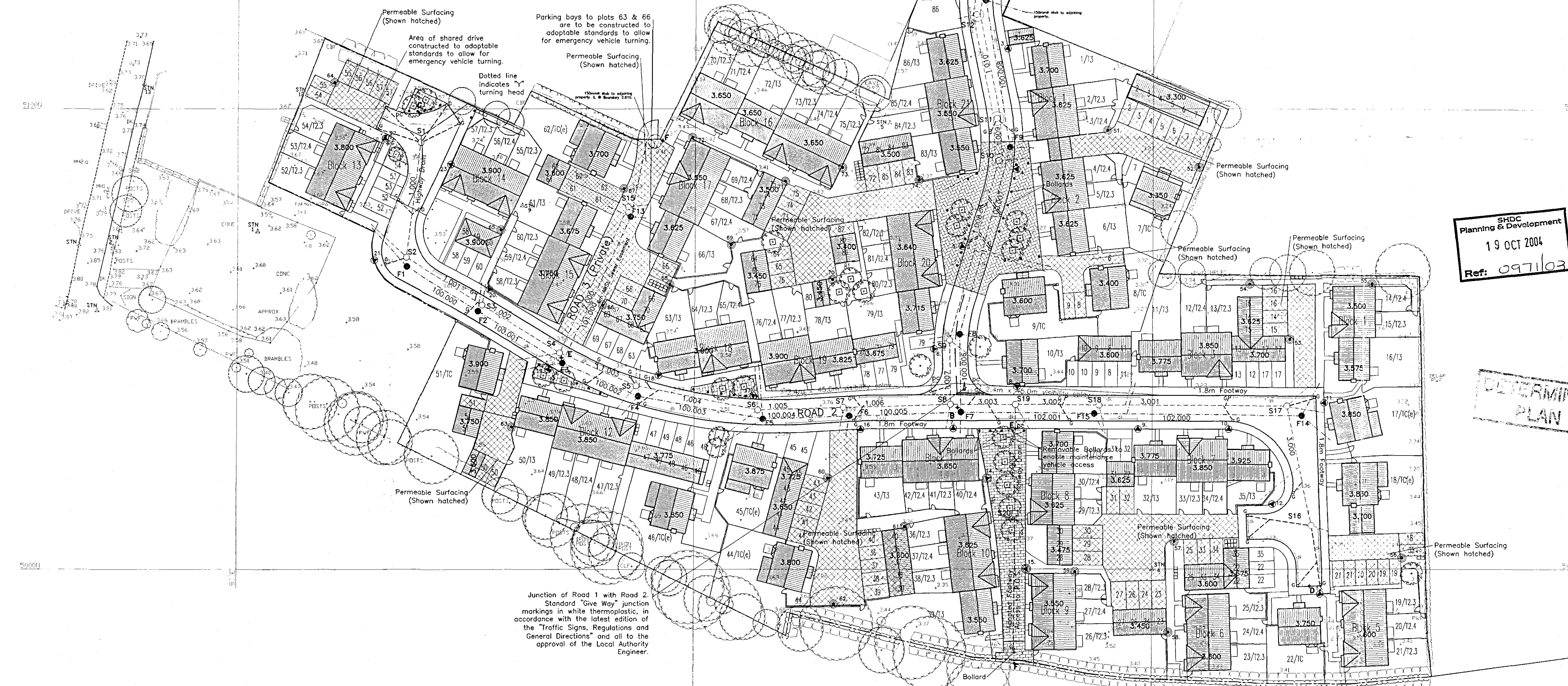


SCHEDULE OF ADAPTABLE DRAINAGE (PIPEWORK)						
SURFACE WATER			FOUL WATER			
Pipe Number	Pipe Length(m)	Pipe Diameter mm	Pipe Length(m)	Pipe Diameter mm	Slope 1:x	
1.003	25.18	150	100.000	18.27	150	150.0
1.001	19.47	225	167.0	21.62	150	150.0
1.002	19.93	225	167.0	35.00	150	150.0
2.000	35.00	150	100.002	18.04	150	150.0
1.003	18.10	300	100.003	27.68	150	150.0
1.004	27.13	375	290.0	19.85	150	150.0
1.005	18.67	375	290.0	24.39	150	150.0
1.006	23.42	525	400.0	45.37	150	150.0
3.003	26.66	300	102.001	29.08	150	150.0
3.001	41.05	375	290.0	16.79	150	150.0
3.002	18.20	375	290.0	42.02	150	150.0
4.003	23.78	150	100.008	32.32	150	150.0
3.003	14.28	525	400.0	24.79	150	150.0
1.007	13.83	525	400.0	22.01	150	150.0
1.003	40.37	525	400.0	8.96	150	150.0
1.009	9.25	1800	500.0			
1.010	22.92	1800	497.0			
1.011	17.24	1800	504.0			
1.012	5.05	375	200.0			
1.013	5.07	525	400.0			

SCHEDULE OF PROPOSED ADAPTABLE HIGHWAYS				
ROAD	TYPE	LENGTH m	WIDTH m	FINISH
1	MAJOR ACCESS ROAD	150.13	5.5	FLEXIBLE
2	MINOR ACCESS ROAD	268.43	5.5	FLEXIBLE

SCHEDULE OF ADAPTABLE DRAINAGE (MANHOLES)						
SURFACE WATER			FOUL WATER			
Manhole Number	Coordinates	Invert Level	Cover Level	Manhole Number	Coordinates	Invert Level
S1	640.163	5092.617	2.974	F1	837.183	5065.636
S2	637.063	5067.63	2.047	F2	852.740	5056.062
S3	653.624	5067.397	1.930	F13	885.944	5076.46
S15	885.33	5078.66	2.236	F3	871.163	5044.734
S4	670.577	5046.921	1.736	F4	887.739	5037.618
S5	687.245	5039.862	1.680	F5	914.383	5032.697
S6	913.866	5034.65	1.471	F6	933.623	5033.332
S7	932.625	5035.186	1.257	F14	1032.642	5033.472
S16	1034.755	5003.463	1.776	F16	987.273	5033.882
S17	1029.412	5035.577	1.589	F7	950.198	5034.154
S18	998.361	5035.727	1.447	F8	957.653	5050.942
S20	970.12	5012.016	1.847	F9	988.766	5091.522
S19	970.162	5035.793	1.234	F10	963.329	5123.382
S8	955.936	5035.845	1.193	F11	967.905	5147.749
S9	955.665	5049.657	1.163	F12	977.326	5167.637
S10	966.230	5085.613	0.222	F13	865.693	5171.000
S11	965.674	5097.854	0.205			
S12	961.311	5120.318	0.159			
S13	963.058	5137.365	0.125			
S14	935.349	5203.751	2.716			



Notes:
 Road width 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

DO NOT SCALE

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NOTES

- This drawing should be read in conjunction with all other Architect's, Engineer's and specialist contractor's details.
- 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.
- All dimensions are in metres unless otherwise stated.
- 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.
- Surface water drainage shall be subject to the approval of the drainage authority and the Environment Agency.
- 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.
- All "Stub" connections to the proposed adoptable drainage to be 150mm Ø 1:150, unless stated otherwise.
- All gully connections within adoptable highway to be 150mm concrete encased, all in accordance with the Lincolnshire County Council highways specification.
- Street Lighting
 - 5m tubular steel column with MIO finish, and post-top mounted Philips "Residium" lantern with 36W PL-L lamp and SELC 841 photo-electric control.
 - 5m tubular steel Raise and Lowering column with MIO finish and separate access door (similar fabricat "R & L" type) and post top mounted Philips "Residium" lantern with 36W PL-L lamp and SELC 841 photo-electric control.
 - 8m tubular steel column with MIO finish, and post-top mounted Urbis "Sapphire 2" lantern with 100W SON-T (PLUS) lamp and SELC 841 photo-electric control [lantern to be matrix TW21049F tilted at 10°].
- 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 internally illuminated unit installed on lighting column as shown.
- Existing illuminated "Keep Left" bollard to remain.

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

Private Driveways & Garage Courts Lighting

- 4m tubular steel column with "G200" 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.

SHDC Planning & Development
 19 OCT 2004
 Ref: 097103

DETERMINED PLAN

Ref.	Revision	Date	By
K	Note 9 amended to show mso finish to columns and "Residium" lantern.	24/08	H.S.
J	Lighting details amended to suit Lighting Consultants comments.	28/07	PJS
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.	06/04	MD
F	Drainage amended. Courtyard amended and manhole schedule amended.	05/04	MD

CONSTRUCTION

THE DIAMOND WOOD PARTNERSHIP
 Consulting Engineers

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 E: mail@diamondwood.co.uk

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

Drawn	MD	Date	08/03
Scale	1:500 @ A1	Checked	<i>[Signature]</i>

Drawing Title
**PROPOSED ROAD AND
 DRAINAGE LAYOUT**

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

M	Raised to construction issue, new location of elec. substation and storm water pumping station added.	24.01.05	JJ
L	Road end altered with gullies and cover levels S16, S17 & F14	05/10	H.S.
Ref	Revision	Date	By