

Appendix F

Drainage Survey Record Drawings

TODDINGTON LANE, LITTLEHAMPTON, WEST SUSSEX
DRAINAGE SURVEY
Date: 18th February 2014
Job No: 20644

Drainage
All drainage was traced with pipe sizes and inverts recorded. Wherever possible the chamber data has been recorded and positioned on the drawing. All connections from gullies, external rainwater pipes and external soil waste have been proven wherever possible and marked with cover iron. Drains between manholes are assumed to be straight. All sub surface drainage positions should be cross checked in critical areas by RFI or GPR survey or hand dug trial holes.



Notes:

1. DRAINAGE INFORMATION ADDED TO TOPOGRAPHICAL SURVEY PRODUCED BY MAYER BROWN LTD. JOB NO. A9111111.2.001 DATE AUGUST 2014. NO SITE VERIFICATION CARRIED OUT BY MK SURVEYS UNLESS SPECIFIC TO DRAINAGE.
2. DRAINAGE INFORMATION HAS BEEN DETERMINED WITHOUT MAN ENTRY INTO CHAMBERS AND WHILE EVERY EFFORT HAS BEEN MADE TO CORRECTLY IDENTIFY THIS INFORMATION, IT SHOULD ALWAYS BE CHECKED IN AREAS THAT ARE CRITICAL TO THE FUTURE PROJECT.
3. ALL SEWERS ARE PRESUMED TO BE STRAIGHT BETWEEN CHAMBERS, WITH ROUTES CONNECTIVITY OBTAINED USING ACUSTIC METHODS. ONLY THESE ARE TO BE CONSIDERED ASSUMED AND SHOULD BE INVESTIGATED FURTHER IN CRITICAL AREAS.

DRAINAGE KEY

ABBREVIATIONS	
ACPI	ASSUMED CONNECTION POINT
AD	ABOVE GROUND
AR	ASSUMED ROUTE
BD	BACK DROP
BR	BRICK
BL	BASE LEVEL
CI	CAST IRON
CL	COVER LEVEL
CO	CONCRETE
CU	CULVERT
CP	CATCHMENT
CWS	COMBINED WATER SEWER
DCH	DRAINAGE CHANNEL
DS	DUCTILE IRON
FD	FILTER DRAIN
FWS	FOUL WATER SEWER
GY	GULLY
IL	INSPECTION COVER
IR	INVERT LEVEL
INT	INTERCEPTOR
IT	IRREGULAR
KE	KERR OUTLET
LA	LAUNCH HOLE
MM	MANHOLE
NP	NO PIPES VISIBLE
OL	OUTLET
OU	OUTFALL
PP	POLYPROPYLENE
PT	PIPE ON WALL
PT	AT-TRAP
PT	PIPE TO GROUND
PVC	POLYVINYL CHLORIDE
PVC	ULTRA HIGH PVT
RE	RODDING EYE
RMP	RIGID MAIN
RWP	RAIN WATER PIPE
SVP	SOIL VENT PIPE
SWS	SURFACE WATER SEWER
UTL	UNABLE TO LIFT
UTS	UNABLE TO SURVEY
VC	VERIFIED CLAY
VP	VENT PIPE
WL	WATER LEVEL

LEGEND

CAUTIONARY NOTES

1. Pipe sizes are shown from visual inspection or taken from record information. Pipe sizes are recorded in abbreviations and depths in meters.
2. Completed drainage features have been proven using the following methods: it is stated that a CCTV survey is carried out to confirm connections. Please refer to the further details if a CCTV survey is required.

mk surveys

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104100 N
104200 N
104250 N

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503250 E
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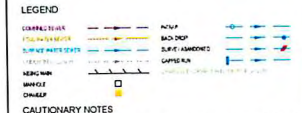
193

TODDINGTON LANE, LITTLEHAMPTON, WEST SUSSEX
DRAINAGE SURVEY
Date: 18th February 2014
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Drainage
All drainage was filled with pipe sizes and invert levels recorded. Wherever possible the chamber manholes have been located and positioned on the drawing. All connections from gullies, external rainwater pipes and external soil stacks have been shown wherever possible and marked with invert levels. Drains / sewers between manholes are assumed to be straight. All sub surface drainage positions should be cross checked in critical areas by RD or GPR survey or hand digging holes.

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ABBREVIATIONS		DRAINAGE KEY	
ACPI	ASSUMED CONNECTION POINT	UH	LAMP HOLE
AG	ABOVE GROUND	NP	NO PIPES VISIBLE
AR	ASSUMED ROUTE	OP	OUTLET
BD	BACK DROP	OU	OUTFALL
BL	BRICK	PP	POLYPROPYLENE
BL	BASE LEVEL	PPW	PIPE ON WALL
CI	CAST IRON	PT	PIPE
CL	COVER LEVEL	PTG	PIPE TO GROUND
CO	CONCRETE	PVC	POLYVINYL CHLORIDE
CU	CULVERT	PVCU	ULTRA RIB (PVC)
CP	CATCHPIT	R	ROOFING EYE
CWG	COMBINED WATER SEWER	RAN	RIBBON MAN
CH	DRAINAGE CHANNEL	RWP	RIBBON WATER PIPE
DI	DUCTILE IRON	SOP	SOFFIT
FD	FLY TIE DRAIN	SPP	SOLID VENT PIPE
FWS	FULL WATER SEWER	SWS	SURFACE WATER SEWER
GT	GULLY	UL	UNABLE TO LIFT
IC	INVERT COVER	ULS	UNABLE TO SURVEY
IL	INVERT LEVEL	VC	VITRIFIED CLAY
IR	INTERCEPTOR	VP	VENT PIPE
IT	INLET	VE	VENTER
KD	KEYS OUTLET		



Scale: 1:500
Sheet Size: A0
Sheet Number: 2
Date: February 2015
Project Number: 20644
Rev: -
Surveyed By: CP
Approved By: NS



Toddington Lane
Littlehampton
West Sussex

Drainage Survey

Scale: 1:500
Sheet Size: A0
Sheet Number: 2
Date: February 2015
Project Number: 20644
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Approved By: NS

mk surveys
16 REVENGE ROAD
LITTLEHAMPTON INDUSTRIAL ESTATE
CHICHESTER
PO19 1ST
TEL: 01243 861 718
FAX: 01243 861 719
WEB: www.mk-surveys.co.uk
EMAIL: info@mk-surveys.co.uk

INSEWER SURVEYS
16 REVENGE ROAD
LITTLEHAMPTON INDUSTRIAL ESTATE
CHICHESTER
PO19 1ST
TEL: 01243 861 718
FAX: 01243 861 719
WEB: www.insewer.co.uk
EMAIL: info@insewer.co.uk

PERSIMMON

Toddington Lane
Littlehampton
West Sussex

Drainage Survey

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PERSIMMON

Toddington Lane
Littlehampton
West Sussex

Drainage Survey

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PERSIMMON

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PERSIMMON

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Littlehampton
West Sussex

Drainage Survey

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INSEWER SURVEYS
16 REVENGE ROAD
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Toddington Lane
Littlehampton
West Sussex

Drainage Survey

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TODDINGTON LANE, LITTLEHAMPTON, WEST SUSSEX
DRAINAGE SURVEY
Date: 18th February 2014
Job No: 20644
Drainage
All drainage was traced with pipe size and invert levels recorded. Wherever possible the chamber locations have been recorded and positioned on the drawing. All connections from gullies, external rainwater pipes and external soil stacks have been proven wherever possible by inspection and lower down. Down / sewer / level markers are assumed to be straight. All sub surface drainage positions should be cross checked in critical areas by RD or GPR survey or hand dug trial holes.

Notes:
1. DRAINAGE INFORMATION ADDED TO TOPOGRAPHICAL SURVEY PRODUCED BY WATER BROWN LTD. JOB NO. A/PHITTLE 268. DATE AUGUST 2014. NO SITE VERIFICATION CARRIED OUT BY MK SURVEYS UNLESS SPECIFIC TO DRAINAGE.
2. DRAINAGE INFORMATION HAS BEEN DETERMINED WITHOUT HAVING ENTERED INTO CHAMBERS AND WHILE EVERY EFFORT HAS BEEN MADE TO CORRECTLY IDENTIFY THIS INFORMATION, IT SHOULD ALWAYS BE CHECKED IN AREAS THAT ARE CRITICAL TO THE FUTURE PROJECT.
3. ALL SEWERS ARE PRESUMED TO BE STRAIGHT BETWEEN CHAMBERS, WITH ROUTES CONNECTIVITY OBTAINED USING ACOUSTIC METHODS ONLY. THESE ARE TO BE CONSIDERED ASSUMED AND SHOULD BE INVESTIGATED FURTHER IN CRITICAL AREAS.

ABBREVIATIONS		DRAINAGE KEY	
ACHP	ASSIGNED CONNECTION POINT	UH	LAMP HOLE
AGD	ABOVE GROUND	UM	MANHOLE
AR	ASSIGNED ROUTE	UV	NO FREE VEGETATION
BD	BACK DROP	OL	OUTLET
BL	BRICK	OU	OUTFALL
BL	BASE LEVEL	PP	POLYPROPYLENE
CL	EAST RISE	PP	PIPE TO WALL
CL	COVER LEVEL	PT	P-TRAP
CO	CONCRETE	PD	PIPE TO GROUND
CU	CULVERT	PVC	POLYVINYL CHLORIDE
CU	CATCHMENT	RE	ROOFING EYE
CWS	COVERED WATER SEWER	RE	ROOFING EYE
DCH	DRAINAGE CHANNEL	RM	RISING MAIN
D	DRAIN	RWP	RAIN WATER PIPE
FD	FEEDER DRAIN	SOP	SOFFIT
PWS	FOUL WATER SEWER	SVP	SOIL VENT PIPE
DY	DRAIN	SWS	SURFACE WATER SEWER
IC	INSPECTION COVER	UTL	UNABLE TO LIFT
IL	INVERT LEVEL	UTS	UNABLE TO SURVEY
IT	INTERCEPTOR	VC	VERIFIED CLAY
IT	INTERCEPTOR	VP	VENT PIPE
KO	KERS OUTLET	VA	WATER LEVEL

LEGEND
1. Pipe sizes are shown from visual inspection or taken from record information. Pipe sizes are recorded in dimensions and depths in meters.
2. Connections between manholes have been proven using gas testing / acoustic methods. It is advised that a CCTV survey is carried out to confirm connections. Please ring for further details if a CCTV survey is required.
ALWAYS EXERCISE CAUTION WHEN EXCAVATING.



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INSURANCE SURVEYS
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