

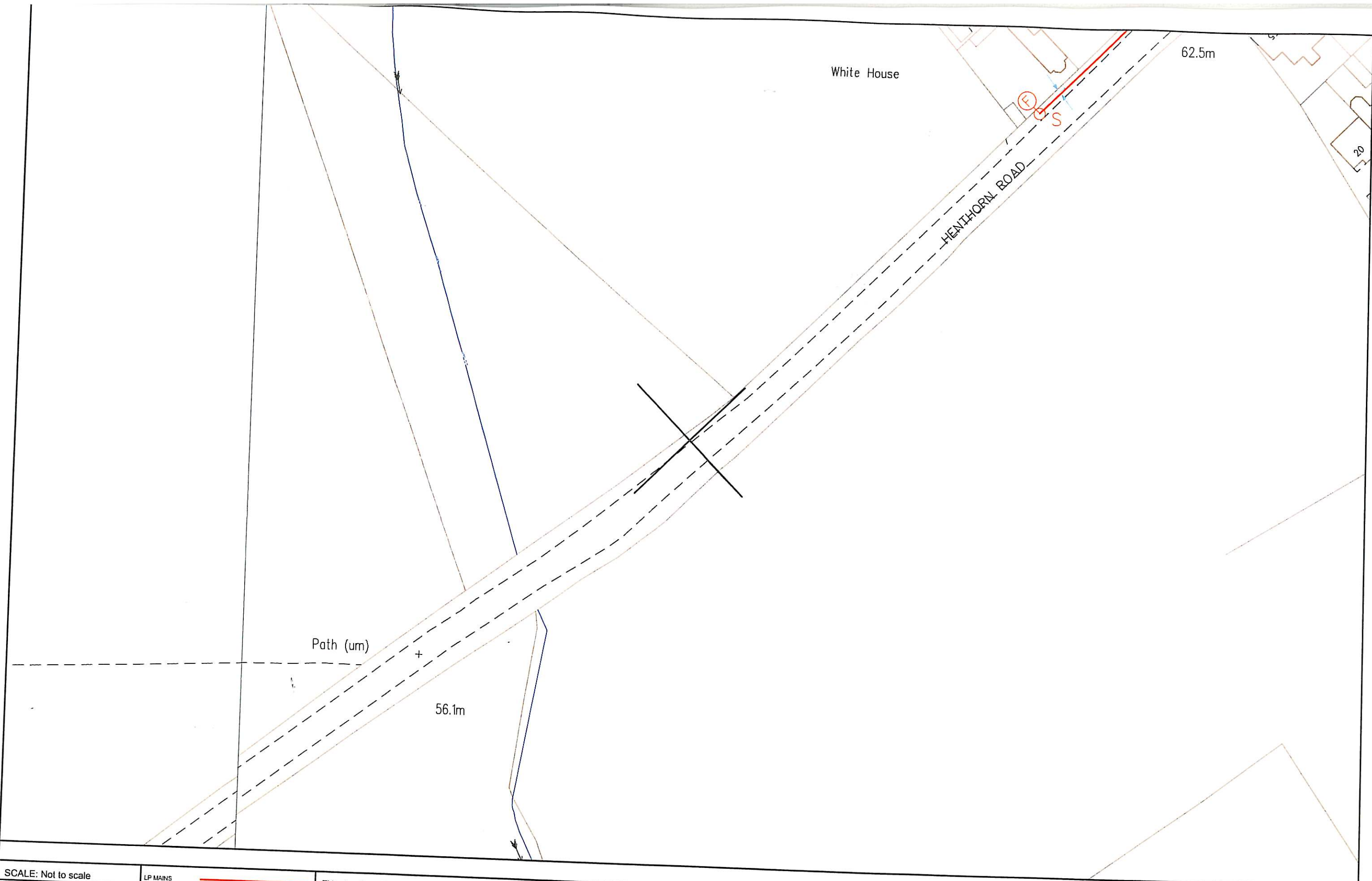
UTILITIES STATEMENT

APPLICANT:
The Strategic Land Group

SITE:
Land at Henthorn Road, Clitheroe

DATE:
April 2017

GAS MAINS INFORMATION



SCALE: Not to scale
USER ID: cnewlands
DATE: 19/06/2012
EXTRACT DATE: 10/12/2011
MAP REF: SD7340
CENTRE: 373098, 440807

LP MAINS	
MP MAINS	
IP MAINS	
LHP MAINS	
NHP MAINS	

Valve		Depth of Cover		Syphon		Diameter Change		Material Change	
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This plan shows those pipes owned by National Grid Gas plc in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Grid Gas plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue. Further information on all DR4s can be determined by calling the DR4 hotline on 01455 892426 (9am-5pm). A DR4 is where a potential error has been identified within the asset record and a process is currently underway to investigate and resolve the error as appropriate.

MAPS Viewer Version 5.6.6.0

Local Machine

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SEWERS AND WATER RECORDS

RSK Land and Development Engineering Limited
Spring Lodge
172 Chester Road
Helsby
Cheshire
WA6 0AR

FAO:

Dear Sirs

Location: Henthorn Road Clitheroe BB7 2LD

I acknowledge with thanks your request dated 24/05/12 for information on the location of our services.

Please find enclosed plans showing the approximate position of our apparatus known to be in the vicinity of this site.

I attach General Condition Information sheets, which details contact numbers for additional services (i.e. new supplies, connections, diversions) which we are unable to deal with at this office. In addition you should ensure they are made available to anyone carrying out any works which may affect our apparatus.

I trust the above meets with your requirements and look forward to hearing from you should you need anything further.

If you have any queries regarding this matter please telephone us on 0870 7510101.

Yours Faithfully,



Sue McManus
Operations Manager
Property Searches

United Utilities Water PLC

Property Searches
Ground Floor Grasmere House
Lingley Mere Business Park
Great Sankey
Warrington
WA5 3LP

DX 715568 Warrington
Telephone 0870 751 0101
Fax Number 0870 7510102

Property.searches@uuwplc.co.uk

Your Ref: HENTHORN ROAD - CLITHEROE
Our Ref: 12/ 871593
Date: 12/06/2012

TERMS AND CONDITIONS - WASTERWATER & WATER DISTRIBUTION PLANS

These provisions apply to the public sewerage, water distribution and telemetry systems (including sewers which are the subject of an agreement under Section 104 of the Water Industry Act 1991 and mains installed in accordance with the agreement for the self construction of water mains) (UW apparatus) of United Utilities Water PLC ("UW").

TERMS AND CONDITIONS:

1. This Map and any information supplied with it is issued subject to the provisions contained below, to the exclusion of all others and no party relies upon any representation, warranty, collateral contract or other assurance of any person (whether party to this agreement or not) that is not set out in this agreement or the documents referred to in it.
2. This Map and any information supplied with it is provided for general guidance only and no representation, undertaking or warranty as to its accuracy, completeness or being up to date is given or implied.
3. In particular, the position and depth of any UW apparatus shown on the Map are approximate only. UW strongly recommends that a comprehensive survey is undertaken in addition to reviewing this Map to determine and ensure the precise location of any UW apparatus. The exact location, positions and depths should be obtained by excavation trial holes.
4. The location and position of private drains, private sewers and service pipes to properties are not normally shown on this Map but their presence must be anticipated and accounted for and you are strongly advised to carry out your own further enquiries and investigations in order to locate the same.
5. The position and depth of UW apparatus is subject to change and therefore this Map is issued subject to any removal or change in location of the same. The onus is entirely upon you to confirm whether any changes to the Map have been made subsequent to issue and prior to any works being carried out.
6. This Map and any information shown on it or provided with it must not be relied upon in the event of any development, construction or other works (including but not limited to any excavations) in the vicinity of UW apparatus or for the purpose of determining the suitability of a point of connection to the sewerage or other distribution systems.
7. No person or legal entity, including any company shall be relieved from any liability howsoever and whensoever arising for any damage caused to UW apparatus by reason of the actual position and/or depths of UW apparatus being different from those shown on the Map and any information supplied with it.
8. If any provision contained herein is or becomes legally invalid or unenforceable, it will be taken to be severed from the remaining provisions which shall be unaffected and continue in full force and effect.
9. This agreement shall be governed by English law and all parties submit to the exclusive jurisdiction of the English courts, save that nothing will prevent UW from bringing proceedings in any other competent jurisdiction, whether concurrently or otherwise.

These general conditions and precautions apply to the wastewater network of United Utilities.

Please ensure that a copy of these conditions is passed to your representative and contractor on site.

1. United Utilities provides the approximate locations of its sewers according to its records. These records are not necessarily accurate or complete nor do they normally show the positions of every sewer culvert or drain, private connections from properties to the public sewers or the particulars of any private system. No person or company shall be relieved from liability for any damage caused by reason of the actual positions and/or depths being different from those indicated. The records do indicate the position of the nearest known public sewer from which the likely length of private connections can be estimated together with the need for any off site drainage rights or easements.
2. Special requirements relative to our sewers may be indicated. United Utilities employees or its contractors will visit any site at reasonable notice to assist in the location of its underground sewers and advise any precautions that may be required to obviate any damage. To arrange a visit or for further information regarding new supplies, connections, diversions, costing, or any notification required under these General Conditions, please call us on **0845 746 2200**.
3. Where public sewers are within a site which is to be developed and do not take any drainage from outside the area, they are from an operational viewpoint redundant. The developer must identify all redundant sewers affected by the development and apply to United Utilities in writing for these sewers to be formally closed. The developer shall bear all related costs of the physical abandonment work.
4. Public sewers within the site that are still live outside the area, will be subject to a "Restricted Building zone". This would normally be a surface area equivalent to the depth of the sewer measured from the centre line of the sewer on either side. No construction will be permitted within that zone. The developer should also note that deep and wide rooted trees must not be planted in close proximity to live sewers. Access to public sewers must be maintained at all times and no interference to manholes will be permitted during construction work.
5. Where there is a public sewer along the line of a proposed development/building, arrangements shall be made by the developer at his cost to divert the sewer around the development. Where this is not possible and as a last resort, a "Building Over Agreement" will need to be completed under section 18 of the Building Act 1984. The developer shall design building foundations to ensure that no additional loading is transferred to the sewer and submit such details both to the Local Authority's Building Control Officer and to United Utilities for approval/acceptance. United Utilities on a rechargeable basis would normally undertake all aspects of design work associated with the diversion of any part of the operational wastewater network.
6. Where there is a non-main river watercourse/culvert passing through the site, the landowner has the responsibility of a riparian owner for the watercourse/culvert and is responsible for the maintenance of the fabric of the culvert and for all works involved in maintaining the unrestricted flow through it. Building over the watercourse/culvert is not recommended. The developer must contact the local authority before any works are carried out on the watercourse/culvert. Where it is necessary to discharge surface water from the site into the watercourse/culvert the developer shall make an assessment of the available capacity of the watercourse/culvert (based on a 1 in 50 year event) and ensure that the additional flow to be discharged into the watercourse/culvert will not cause any flooding. In appropriate cases, flooding may be prevented by on-site storage. The developer shall submit the relevant details required to substantiate his development proposals. Details of any outfall proposed shall also be submitted to the Environment Agency, PO Box 12, Richard Fairclough House, Knutsford Road, Warrington, Cheshire, WA4 1HT for their approval.
7. Where there is a main river watercourse/culvert passing through the site, the developer shall submit all proposals affecting the river to the Environment Agency at the address stated in paragraph 6 for approval/acceptance.

8. Your attention is drawn also to the following:

- **Private drains or sewers which may be within the site.**

United Utilities has no duty to keep records of private drains and sewers, and there are no comprehensive records kept elsewhere. Local Authority Building Control Officers may have records of recent developments and they or the developer may be able to provide information in this respect.

- **Applications to make connections to the public sewer.**

The developer must write to United Utilities requesting an application form that must be duly completed and returned. No works on the public sewer shall be carried out until a letter of consent is received from United Utilities.

- **Sewers for adoption.**

If an agreement for the adoption of sewers under Section 104 of the Water Industry Act 1991 is being contemplated, a submission in accordance with "Sewers for Adoption", Fifth Edition, published by the Water Research Centre (2001) Plc, Henley Road, Medmenham, PO Box 16, Marlow, Buckinghamshire, SL7 2HD will be required, taking into consideration any departures from the general guide stipulated by United Utilities.

- **Further consultation with United Utilities.**

Developers wishing to seek advice or clarification regarding sewer record information provided should contact United Utilities to arrange an appointment. A consultation fee may be charged, details of which will be made available at the time of making an appointment.

9. Combined sewers, foul sewers, surface water sewers, and pumped mains. These are shown separately in a range of colours or markings to distinguish them on our drawings, which are extracts from the statutory regional sewer map. A legend and key is provided on each extract for general use, although not all types of sewer will be shown on every extract.

Combined sewers shown coloured red carry both surface water and foul sewage, especially in areas where there is no separate surface water sewerage system.

Foul sewers coloured brown may also carry surface water and there may be no separate surface water system indicated in the immediate area. Both combined and foul sewers carry wastewater to our treatment works before it can safely be returned to the environment.

Surface water sewers coloured blue on our drawings are intended only to carry uncontaminated surface water (e.g. rainfall from roofs, etc) and they usually discharge into local watercourses. It is important for the protection of the environment and water quality that only uncontaminated surface water is connected to the surface water sewers. Improper connections to surface water sewers from sink wastes, washing machines and other domestic use of water can cause significant pollution of watercourses.

Pumped mains, rising mains and sludge mains will all be subject to pumping pressures and are neither suitable nor available for making new connections.

Highway drains, when included, show as blue and black dashed lines. Highway drains are not assets belonging to United Utilities and are the responsibility of local authorities.

10. For information regarding future proposals for construction of company apparatus please write to United Utilities, PO Box 453, Warrington, WA5 3QN.

11. For information regarding easements, deeds, grants or wayleaves please write to United Utilities Property Solutions, Coniston Buildings, Lingley Mere Business Park, Lingley Green Avenue, Great Sankey, Warrington WA5 3UU (**Tel: 01925 463 654**).



United Utilities Water PLC
Haweswater House, Lingley Mere Business Park,
Lingley Green Avenue, Great Sankey, Warrington WA5 3LP
www.unitedutilities.com

Registered in England and Wales Registered Number 2366678

These general conditions and precautions apply to the water distribution system of United Utilities.

**Please ensure that a copy of these conditions is passed to
your representative and contractor on site.**

1. United Utilities provides approximate locations of its water mains or apparatus according to its records. These records are not necessarily accurate or complete nor do they normally show the positions of private service pipes from the mains to properties. Where service pipes are shown, a blue broken line indicates their approximate position. No person or company shall be relieved from liability for any damage caused by reason of the actual positions and/or depths being different from those indicated.
2. Special requirements relative to our apparatus may be indicated. United Utilities employees will visit any site at reasonable notice to assist in the location of its underground water apparatus and advise any precautions that may be required to obviate any damage. To arrange a visit or for further information regarding new supplies, connections, diversions, costing, future proposals for construction of company apparatus or any notification required under these General Conditions, please telephone us on **0845 746 2200** or write to United Utilities, PO Box 453, Warrington, WA5 3QN.
3. In order to achieve safe working conditions adjacent to any water apparatus the following should be observed;
 - (a) All water apparatus should be located by hand digging prior to the use of mechanical excavation.
 - (b) During construction work where heavy plant may have to cross the line of a water main, and the main is not under a carriageway of adequate standard of construction, crossing points should be suitably reinforced with sleepers, steel plates or a specially constructed reinforced concrete raft as necessary. These crossing points should be clearly indicated and crossing the line of the water main at other places should be prevented. United Utilities employees will advise on the type of reinforcement necessary. This is particularly important on agricultural or open land, where tilling or erosion may have significantly reduced the original cover.
 - (c) No explosive should be used within 32 metres of any United Utilities apparatus without prior consultation with United Utilities.
 - (d) Where it is proposed to carry out piling within 15 metres of any water main United Utilities should be consulted so that the affected main may be surveyed.
4. During any excavation, it is important that measures should be taken to ensure continued support for any water main:
 - (a) Where excavation of trenches adjacent to any water main is likely to affect its support, the main must be supported to the satisfaction of United Utilities.
 - (b) Where a trench is excavated crossing or parallel to the line of a water main, the backfill should be adequately compacted to prevent any settlement which could subsequently cause damage to the main. In special cases it may be necessary to provide permanent support to a main which has been exposed over the length of the excavation before back-filling and reinstatement is carried out. No back-filled concrete should contact the main.
5. No other apparatus should be laid over and along the line of a water main irrespective of clearance. A minimum clearance of 450 millimetres should be allowed between any plant being installed and an existing main, to facilitate maintenance and repair, whether the adjacent plant is parallel to or crossing the main. No manhole, chamber, or other obstruction should be built over or around a water main.
6. Where a water main is coated with special wrapping and the wrapping is damaged, even to a minor extent, United Utilities must be notified, and the excavation must be left open for ready access so that repairs can be made. In case of any material damage to the main itself causing leakage, or weakening of the mechanical strength of the pipe, the person or body responsible should immediately notify United Utilities in order that the necessary remedial work can be carried out. The full cost of the necessary remedial work will be charged to the person or body responsible for the damage.

7. If you propose to change existing levels over water mains you will need to inform us. We will need specific locations to be identified together with precise details as to the scale of the proposed changes to existing ground levels. Changes to existing levels may require the diversion of our apparatus at your cost. However, in certain circumstances we may wish to leave our apparatus where it is. On these occasions you will usually be required to protect our apparatus by means of a concrete raft and either raise or lower any surface boxes affected.
8. Under no circumstances should our surface boxes be either buried or left in a situation where they are raised above finished ground levels. You should re-use and re-set any surface boxes affected by your works into the new surface so that they align over the water apparatus below. You will be responsible for the cost of repairing any damage to our apparatus as a result of your works.
9. Where proposals involve resurfacing, you must notify United Utilities if your excavation will be greater than 750mm in the highway and 300mm in a footpath, verge or other location.
10. For information regarding easements, deeds, grants, licences or wayleaves, please write to United Utilities Property Solutions, Coniston Buildings, Lingley Mere Business Park, Lingley Green Avenue, Great Sankey, Warrington WA5 3UU (**Tel: 01925 463 654**).

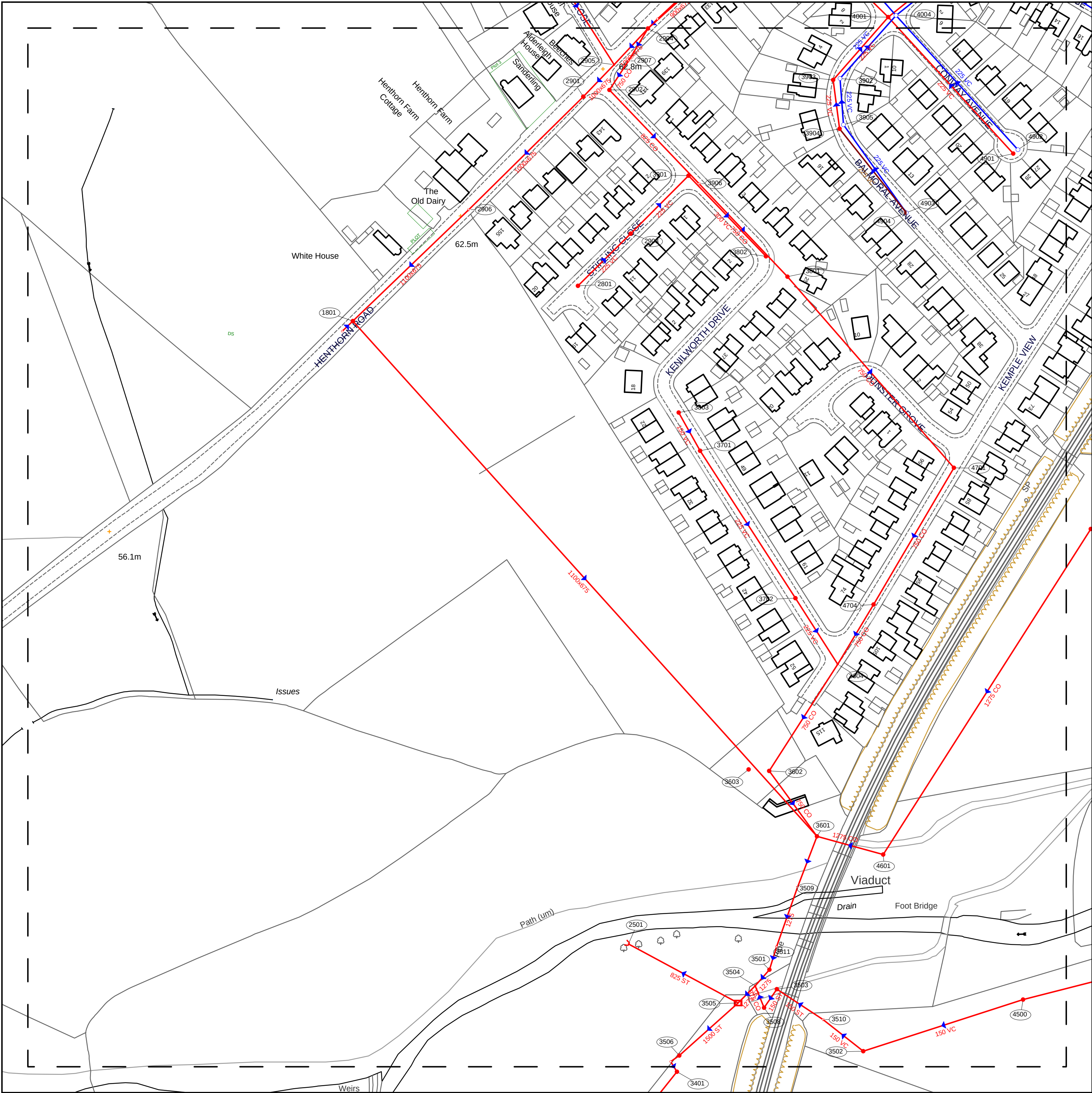
Tree planting restrictions over water mains

- a) Poplar and willow trees have extensive root systems and should not be planted within 10 metres of any water main.
- b) The following trees and those of a similar size, whether they are deciduous or evergreen, should not be planted within six metres of any water main:
 - Ash, beech, birch, elm, horse chestnut, lime, oak, sycamore;
 - Apple trees and pear trees;
 - Most conifers.
- c) United Utilities requires access to the route of its mains at all times to inspect for leaks and carry out surveys. We recommend that no shrubs or bushes which might obstruct or interfere with our access should be planted within one metre of the centre line of any water main.
- d) There may be instances when both United Utilities and the landowner will wish to plant shrubs or bushes close to the water main for screening or other purposes. The following shallow rooting shrubs would be suitable for this purpose:
 - Blackthorn, broom, cotoneaster, elder;
 - Hazel, laurel, privet, quickthorn, snowberry;
 - Most ornamental flowering shrubs.
- e) In areas where soft fruit is grown, blackcurrant, raspberries and gooseberries may be planted close to the main, provided that a path is left clear for inspection access and surveys. United Utilities can give additional advice where required in particular circumstances.



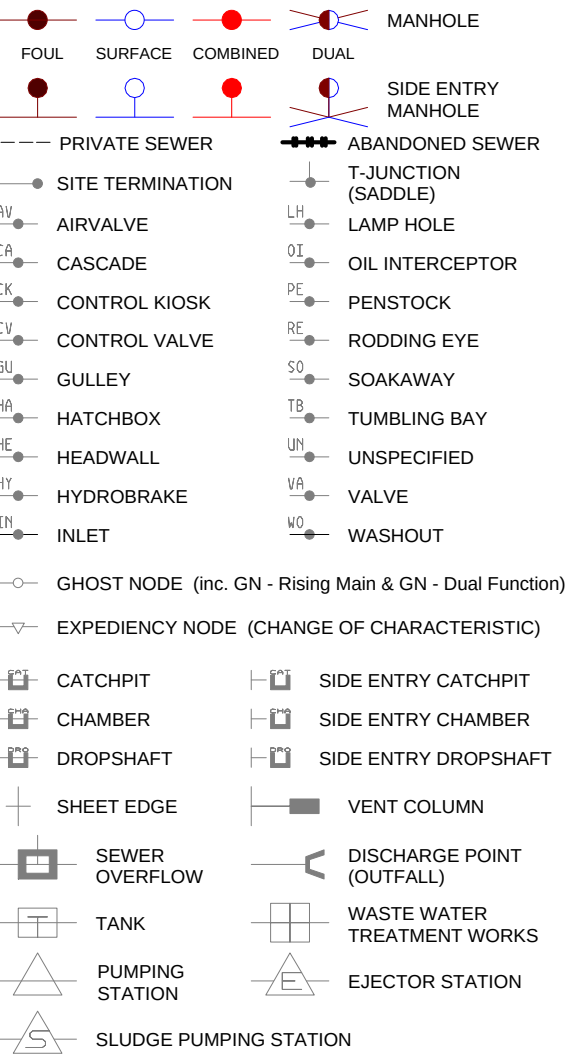
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Refno	Cover	Func	Type	Invert	Size.x	Size.y	Shape	Matl	Grad	Length
1801	60.19	C	M	58.39	1100	675	E			333.73
1802		C	G			150	C	VC		7.02
2501		O	F							
2801	63.2	C	M	61.9	225		C	VC	99	35.72
2901	62.88	C	M	58.75	1000	675	E		455	77.43
2902	62.95	C	M	58.91	825		C	CO	367	62.42
2903	63.12	C	M	61.53	225		C	VC	96	39.39
2904	62.35	C	M	58.89	1000	675	E		-228	18.22
2904	62.35	C	M	58.89	1000	675	E			23.83
2905		C	J		1000	675	E			21.39
2906		C	Q	58.58	1100	675	E		455	77.37
2907		C	Q	58.97	750		C	CO	-239	16.71
3501	59.32	C	M		1275		C			10.36
3502	60.39	C	M	59.34	150		C	VC	137	24.65
3503	59.46	C	M	58.31	150		C	ST	155	10.82
3504		C	J		1275		C	ST		11.65
3505		C	V	57.37	1500		C	ST		37.94
3505		C	V		825		C	ST		59.95
3506	59.47	C	M		1500		ST			5.05
3507		C	G		1500		ST			5.73
3508	59.01	C	M	57.99	375		C	CO		11.38
3509		F	Q		1275		C			30.4
3510		C	Q	59.16	150		C	ST	148	26.59
3511		F	Q		1275		C	CO		11.57
3601	60.07	C	M		1275		C	CO		26.19
3602	62.86	C	M	57.86	750		C	CO		38.97
3603		C	M							
3604		C	J		750		C	CO		61.01
3701	63.04	C	M	60.65	225		C	VC	156	84.49
3702	62.69	C	M	60.1	225		C	VC		37.74
3801	62.05	C	M	58.54	750		C	CO	642	121.99
3802	62.08	C	M							
3803	62.89	C	M	61.19	150		C	VC	43	21.07
3901	62.86	C	M	61.07	300		C	VC	256	53.8
3902	61.73	S	M	61.14	225		C	VC	369	40.57
3903	61.8	C	M		225		C	VC		40.22
3904	61.92	C	M	60.75	225		C	VC		23.7
3905	61.96	S	M	61.3	225		C	VC	159	22.32
3906		C	Q	58.74	750		C	CO	343	61.74
4500	63.4	C	M	62.1	150		C	VC	29	80.83
4601	59.83	C	M	57.85	1275		C	CO		33.05
4701	62.81	C	M	58.34	750		C	CO		76.29
4704	62.52	C	M		750		C	CO		33.55
4801	63.19	C	M	61.71	225		C	VC	64	89.09
4802	63.22	S	M	61.71	225		C	VC	132	87.27
4803	62.31	S	D	61.58	225		C	VC	217	52.05
4804	62.3	F	D	61.16	225		C	VC	143	51.61

WASTE WATER SYMBOLOLOGY



Note - ALL flow direction arrows are BLUE - colour not significant

NODE TABLE ABBREVIATIONS

MANHOLE FUNCTION

F Foul
S Surface
C Combined
T Transition
O Overflow
U Unspecified

MANHOLE / NODE TYPE

M Manhole
J Junction
L Lamphole
H Hatchbox
R Rodding Eye
F Outfall
V Combined Sewer Overflow
P Pumping Station
S Soakaway
D Dual Function Manhole
W Treatment Works
Z Ghost in Rising Main
C Cascade
Y Gulley
E Ejector
O Oil Injector
I Inlet
B Hydrobrake
T Vent Column
X Valve
U Unspecified
Q Expiency Node
G Ghost
(to allow pipe bends)

SEWER SHAPE

C Circular
E Egg
O Oval
F Flat Top
R Rectangular
S Square
T Trapezoidal
A Arch
B Barrel
H Horseshoe
U Unspecified

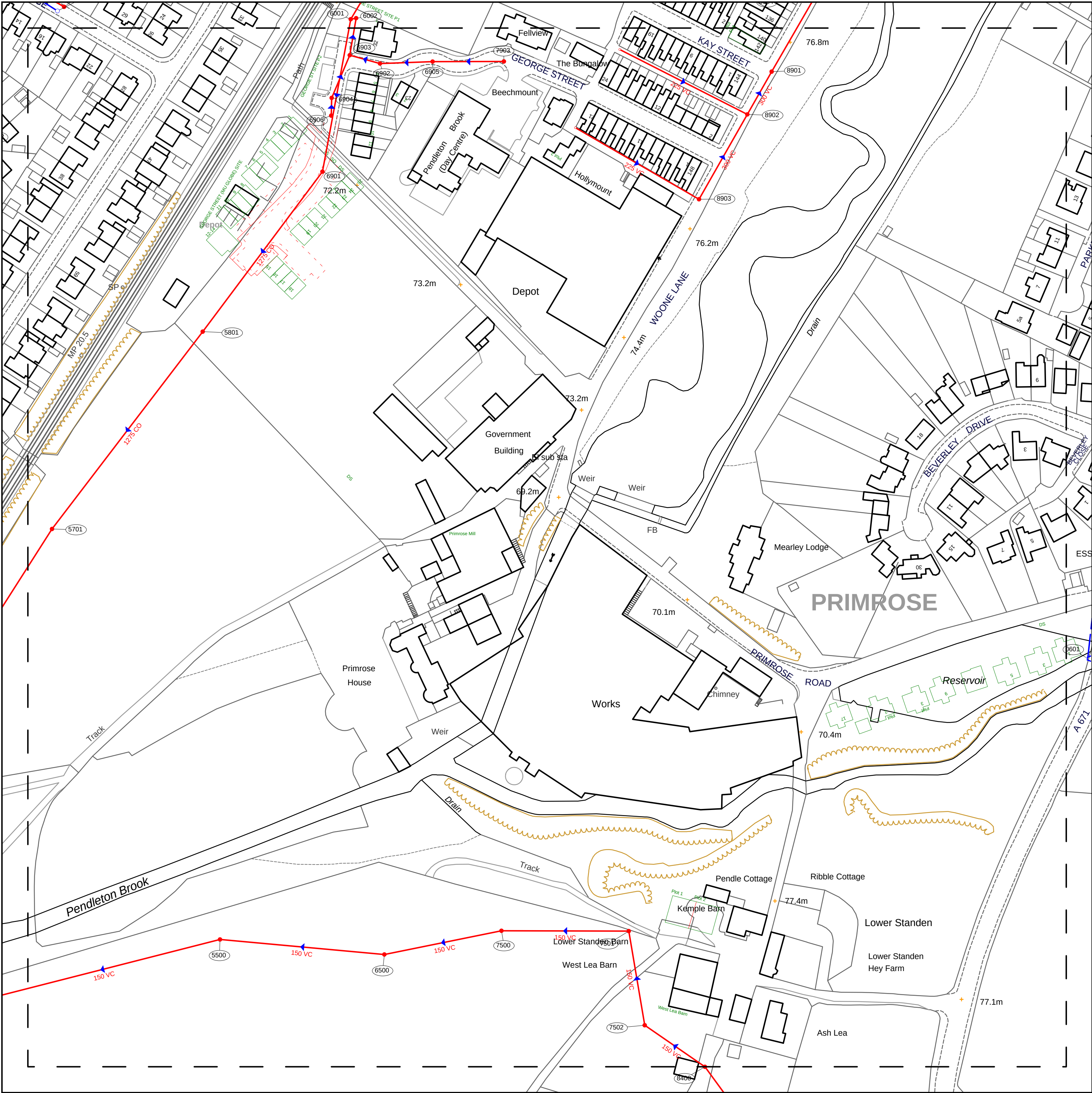
SEWER MATERIAL

AC Asbestos Cement
BR Brick
CI Cast Iron
SI Spun (Grey) Iron
CO Concrete
CS Concrete Segments (Bolted)
CS Concrete Segments (Unbolted)
CC Concrete Box Culvert
DI Ductile Iron
GR Glass Reinforced Concrete
GR Glass Reinforced Plastic
PS Plastic / Steel Composite
PV Polyvinyl Chloride
PE Polyethylene
RP Reinforced Plastic Matrix
ST Steel
VC Vitrified Clay (All Clayware)
PP Polypropylene
PF Pitch Fibre
MA Masonry - In Regular Courses
MA Masonry - Randomly Coursed
U Unspecified

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OS Sheet No: SD7340NW
Scale 1:1250 Date: 12-Jun-2012
47 Nodes
Sheet 1 of 1





Refo	Cover	Func	Type	Invert	Size	x	Size	y	Shape	Matl	Grad	Length
5500	65.49	C	M	64.06	150	C	VC	60	117.09			
5701	65.13	C	M	61.87	1275	C	CO	46	185.82			
5801	68.86	C	M	62.48	1275	C	CO	196	119.49			
6500	68.97	C	M	67.5	150	C	VC	23	79.44			
6901	71.59	C	M		1275	C	CO		96.17			
6902	72.77	C	M	70.35		C		189	15.08			
6903	72.48	C	M	70.27		C			18.09			
6904	72.12	C	M	70.51		C		93	22.31			
6905	74.71	C	M	70.54		C		134	25.37			
6906	72.04	C	M	70.56		C		170	8.52			
7500	71.72	C	M	69.91	150	C	VC	24	57.52			
7501	75.54	C	M	74.17	150	C	VC	14	61.27			
7502		C	M		150	C	VC		45.94			
7901		C	G		225	C	VC		68.87			
7902		C	G		225	C	VC		68.73			
7903	74.9	C	M	73.7		C		11	34.3			
8400	79.91	C	M	78.11	150	C	VC		35.23			
8901	76.9	C	M	74.54	300	C	VC	98	97.16			
8902	76.95	C	M	74.74	300	C	VC	132	23.69			
8903	76.49	C	M	75.09	300	C	VC	142	46.99			

WASTE WATER SYMBOLLOGY

- FOUL
MANHOLE
- SURFACE
MANHOLE
- COMBINED
MANHOLE
- DUAL
MANHOLE
- SIDE ENTRY
MANHOLE
- PRIVATE SEWER
- ABANDONED SEWER
- SITE TERMINATION
- AIR VALVE
- CASCADE
- CONTROL VALVE
- CONTROL VALVE
- GULLY
- HATCHBOX
- HEADWALL
- HYDROBRAKE
- INLET
- GHOST NODE (inc. GN - Rising Main & GN - Dual Function)
- EXPEDIENCY NODE (CHANGE OF CHARACTERISTIC)
- CATCHPIT
- CHAMBER
- DROPSHAFT
- SHEET EDGE
- SEWER OVERFLOW
- TANK
- PUMPING STATION
- SLUDGE PUMPING STATION
- SIDE ENTRY CATCHPIT
- SIDE ENTRY CHAMBER
- SIDE ENTRY DROPSHAFT
- VENT COLUMN
- DISCHARGE POINT (OUTFALL)
- WASTE WATER TREATMENT WORKS
- EJECTOR STATION
- T-JUNCTION (SADDLE)
- LAMP HOLE
- OIL INTERCEPTOR
- PENSTOCK
- RODDING EYE
- SOAKAWAY
- TUMBLING BAY
- UNSPECIFIED VALVE
- WASHOUT

Note - ALL flow direction arrows are BLUE - colour not significant

NODE TABLE ABBREVIATIONS

MANHOLE FUNCTION

- F

Foul
- S

Surface
- C

Combined
- T

Transition
- O

Overflow
- U

Unspecified

MANHOLE / NODE TYPE

- M

Manhole
- J

Junction
- L

Lamphole
- H

Hatchbox
- R

Rodding Eye
- F

Outfall
- V

Combined Sewer Overflow
- P

Pumping Station
- S

Soakaway
- D

Dual Function Manhole
- W

Treatment Works
- Z

Ghost in Rising Main
- C

Cascade
- Y

Gulley
- E

Ejector
- O

Oil Injector
- I

Inlet
- B

Hydrobrake
- T

Vent Column
- X

Valve
- U

Unspecified
- Q

Expediency Node
- G

Ghost
- (to allow pipe bends)

SEWER SHAPE

- C

Circular
- E

Egg
- O

Oval
- F

Flat Top
- R

Rectangular
- S

Square
- T

Trapezoidal
- A

Arch
- B

Barrel
- H

Horseshoe
- U

Unspecified

SEWER MATERIAL

- AC

Asbestos Cement
- BR

Brick
- CI

Cast Iron
- SI

Spun (Grey) Iron
- CO

Concrete
- CS

Concrete Segments (Bolted)
- CS

Concrete Segments (Unbolted)
- CC

Concrete Box Culvert
- DI

Ductile Iron
- GR

Glass Reinforced Concrete
- GR

Glass Reinforced Plastic
- PS

Plastic / Steel Composite
- PV

Polyvinyl Chloride
- PE

Polyethylene
- RP

Reinforced Plastic Matrix
- ST

Steel
- VC

Vitrified Clay (All Clayware)
- PP

Polypropylene
- PF

Pitch Fibre
- MA

Masonry - In Regular Courses
- MA

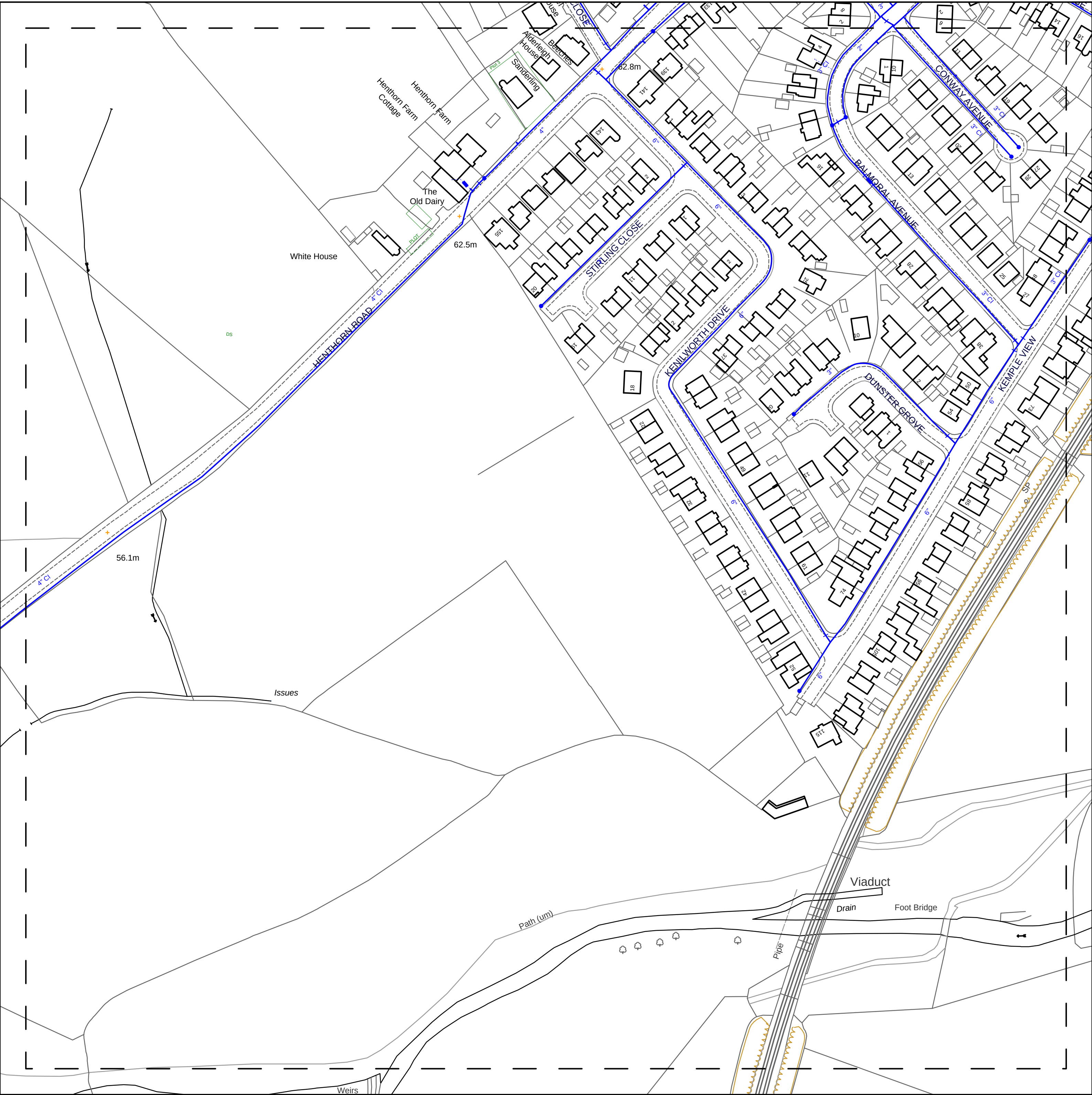
Masonry - Randomly Coursed
- U

Unspecified

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OS Sheet No: SD7340NE
Scale 1:1250 Date: 12-Jun-2012
20 Nodes
Sheet 1 of 1





OS Sheet No: SD7340NW
Scale 1:1250 Date: 12-Jun-2012

Printed by: Angela Gall

S1

L1

S2

L2

S3

L2

S4

L2

M1

M2

M3

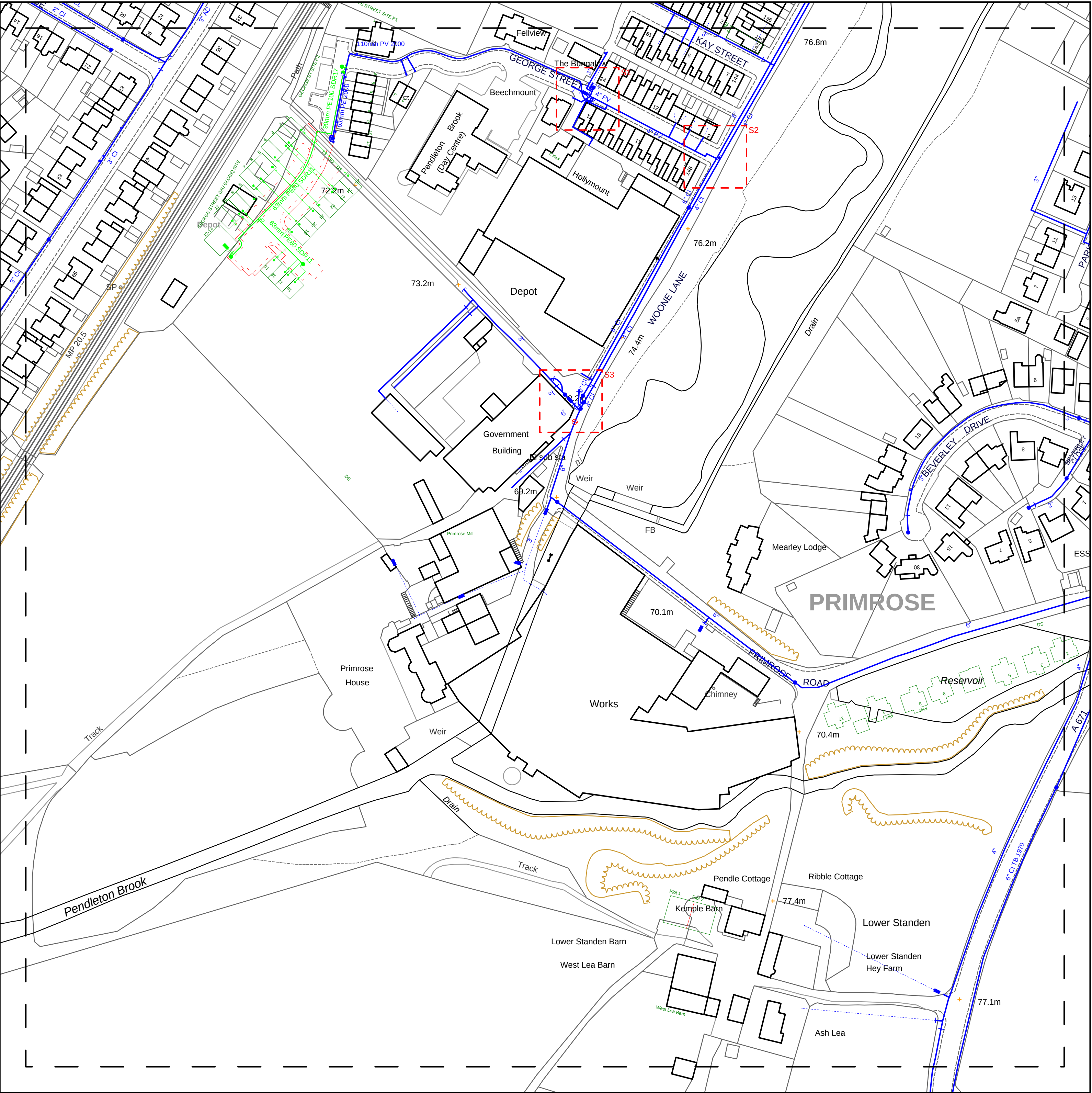
M4

- LEGEND**
- TRUNK MAIN
 - DISTRICT MAIN
 - NON-POTABLE MAIN
 - PROPOSED
 - AQUEDUCT
 - COMMON PIPE
 - PRIVATE PIPE
 - ABANDONED
- NODES / FURNITURE**
- END CAP
 - CLOCKWISE VALVE
 - ANTI-CLOCKWISE VALVE
 - SHEET EDGE
 - AIR VALVE
 - TREATED WATER
 - SLUCE VALVE
 - PRESSURE
 - SUSTAINING VALVE
 - REDUCING VALVE
 - REFLUX VALVE
 - CHANGE OF CHARACTERISTIC
 - ABNOSE
 - CHLORINATION POINT
 - DE-CHLORINATION POINT
 - BORE HOLE
 - ABSTRACTION POINT
 - INLET POINT
 - BULK SUPPLY POINT
 - NW WASHOUT
 - FIRE HYDRANT
 - SHARED HYDRANT
 - PUMP
 - SITE TERMINATION
 - INTERMEDIATE NODE
 - CONCESSION START
 - CONCESSION END
 - METER
 - METER AND STOPTAP
 - STOPTAP
 - MONITOR LOCATION
 - SP
 - AP
 - HB
 - IP
 - RM
 - SPT
 - LB
 - STRAIN POINT
 - ACCESS POINT
 - HATCHBOX
 - INSERT PROBE POINT
 - ROUTE MARKER
 - SAMPLING POINT
 - LOGGER BOX
- PROPERTY TYPES**
- CONDITION REPORT
 - PIPE BRIDGE
 - PIPE TUNNEL
 - TELEMETRY STATION
 - PUMPING STATION
 - PUMP HOUSE
 - WATER TREATMENT WORKS
 - PRIVATE TREATMENT WORKS
 - VALVE HOUSE
 - WATER TOWER
 - CS
 - DU
 - SR
 - SUP RES
 - CONFINED SPACE
 - DIALYSIS UNIT
 - SERVICE RESERVOIR
 - SUPPLY RESERVOIR
- MATERIAL TYPES**
- AC ASBESTOS CEMENT
 - CI CAST IRON
 - CU COPPER
 - CO CONCRETE
 - DI DUCTILE IRON
 - GI GALVANISED IRON
 - GR GREY IRON
 - OT OTHERS
 - PB LEAD
 - PV uPVC
 - SI SPUN IRON
 - ST STEEL
 - UN UNKNOWN
 - PE POLYETHYLENE
- LINING TYPES**
- CL CEMENT
 - TB TAR OR BITUMEN
 - ER EPOXY RESIN
- INSERTION TYPES**
- DD DIE DRAWN
 - MO MOLING

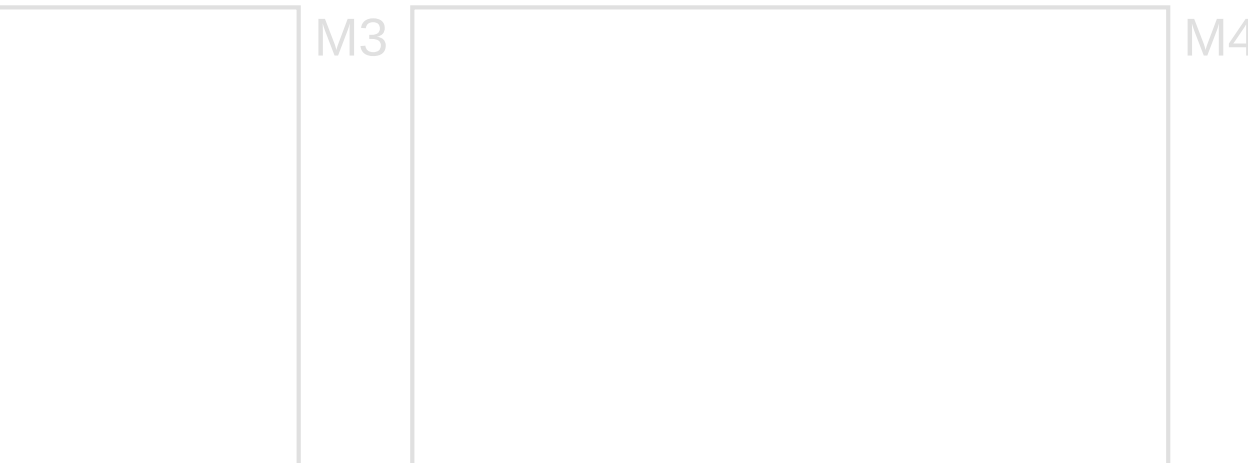
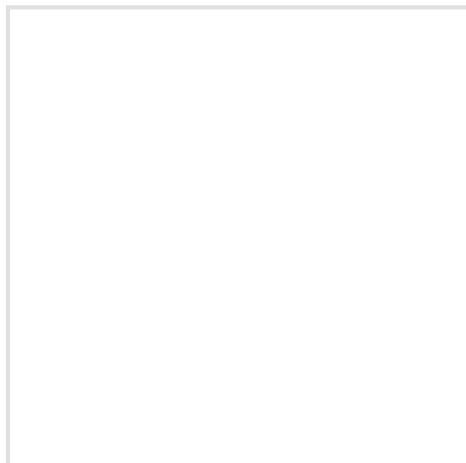
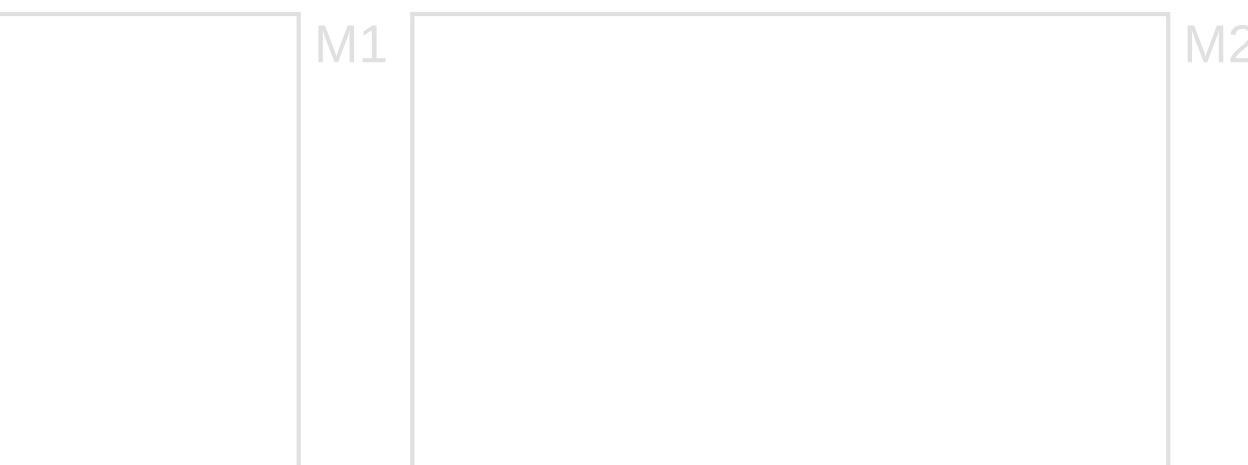
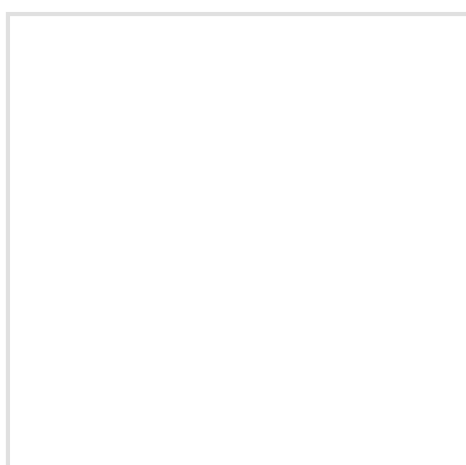
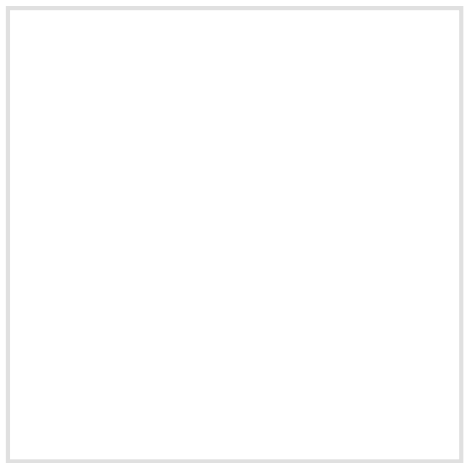
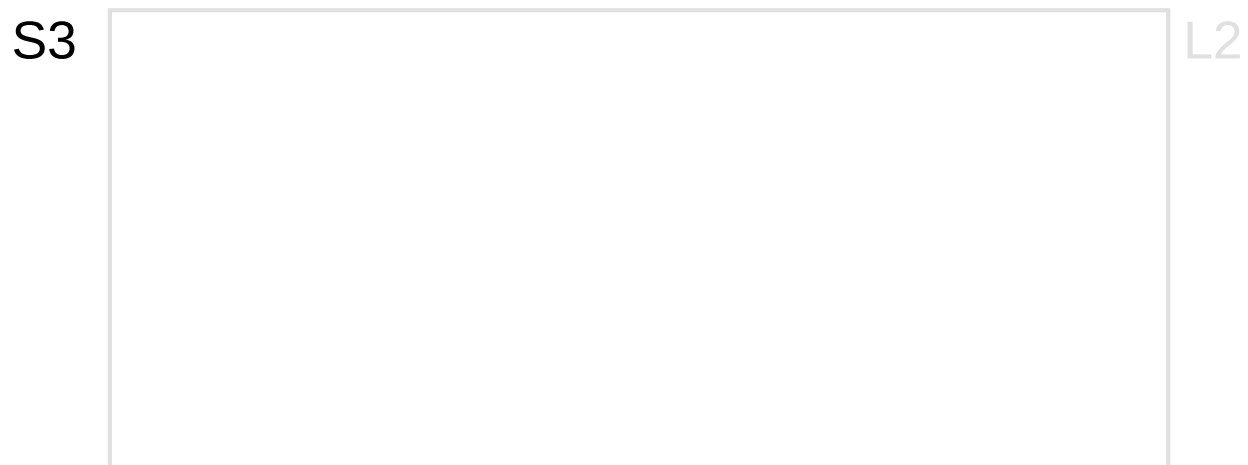
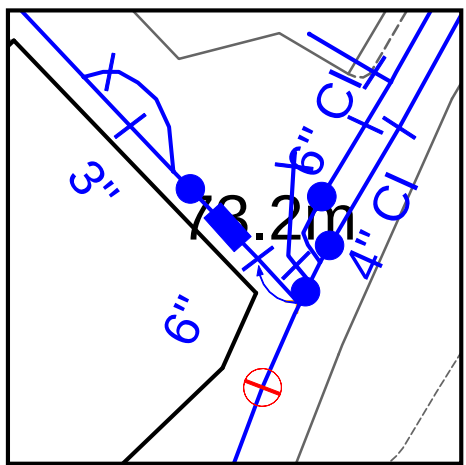
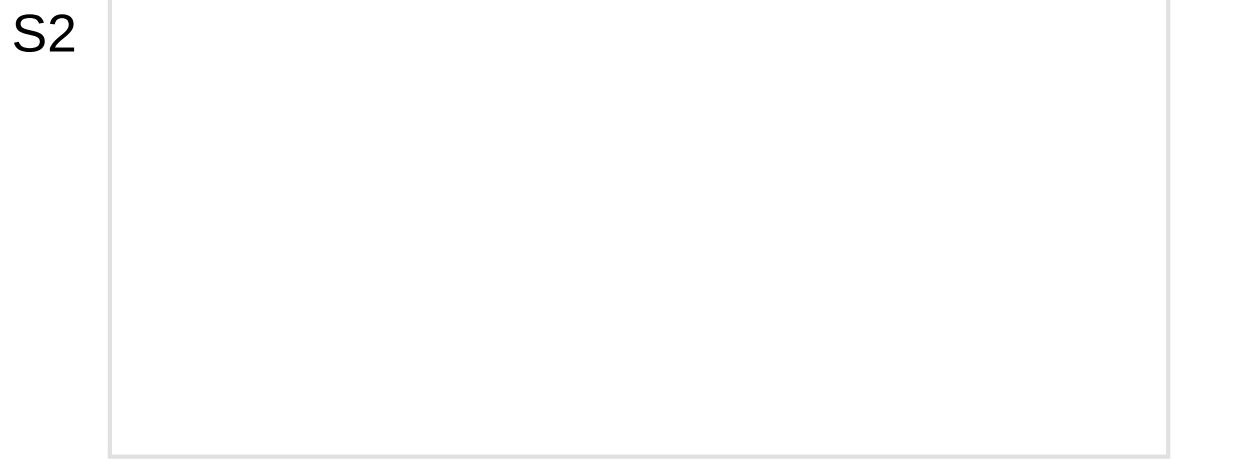
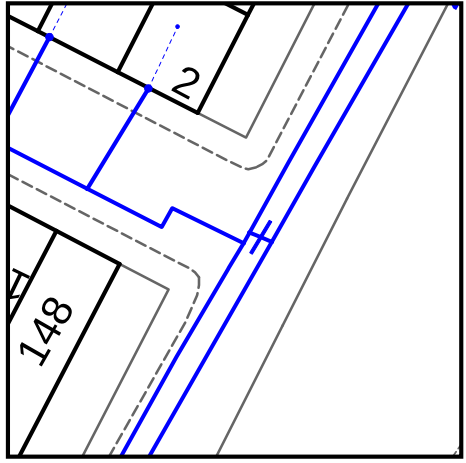
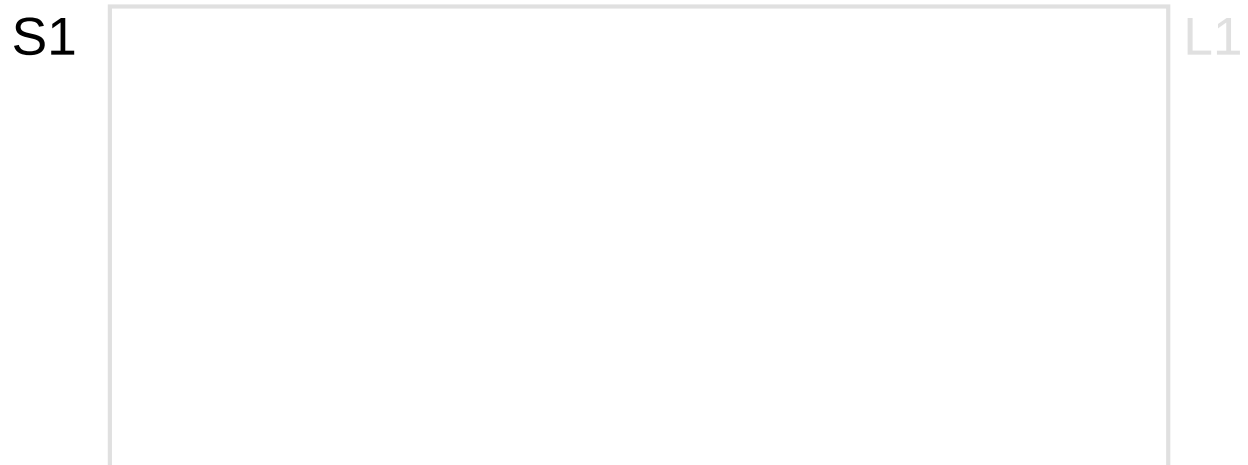
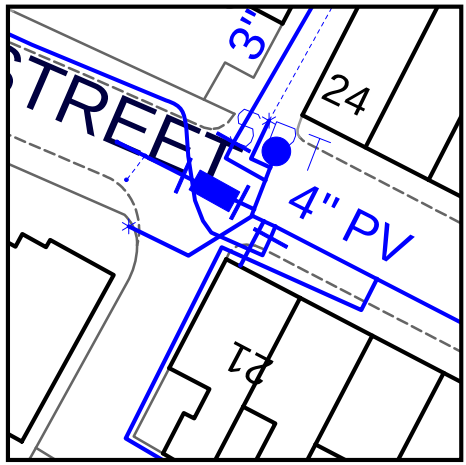
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OS Sheet No: SD7340NW
Scale 1:1250
Date: 12-Jun-2012

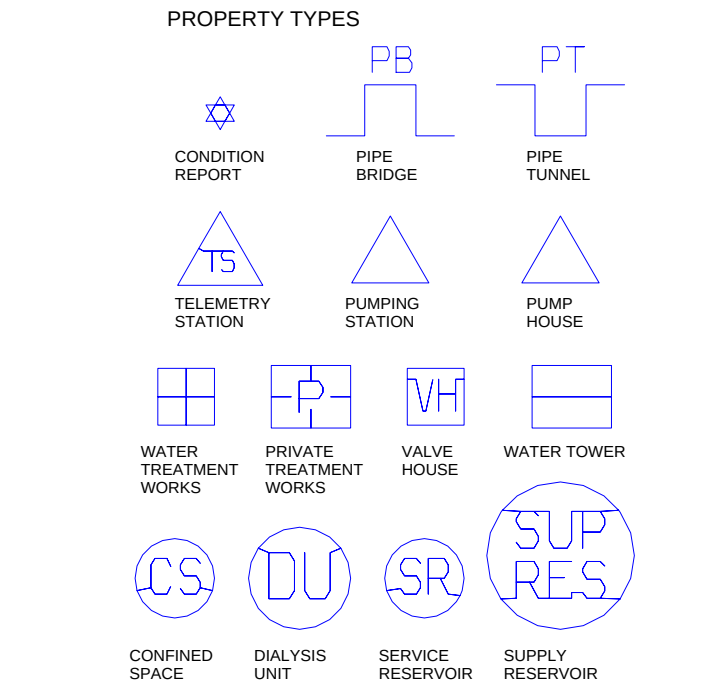
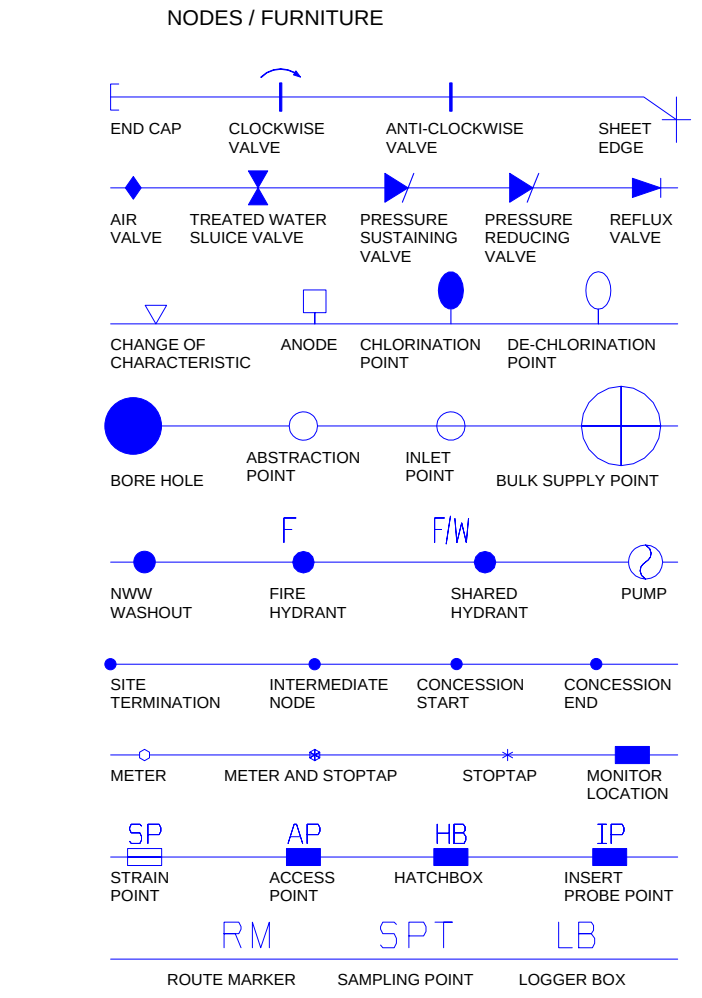




OS Sheet No: SD7340NE
Scale 1:1250 Date: 12-Jun-2012



- LEGEND
- | | |
|------------------|--------------|
| TRUNK MAIN | AQUEDUCT |
| DISTRICT MAIN | COMMON PIPE |
| NON-POTABLE MAIN | PRIVATE PIPE |
| PROPOSED | ABANDONED |



- MATERIAL TYPES
- | | |
|--------------------|-----------------|
| AC ASBESTOS CEMENT | OT OTHERS |
| CI CAST IRON | PB LEAD |
| CU COPPER | PV uPVC |
| CO CONCRETE | SI SPUN IRON |
| DI DUCTILE IRON | ST STEEL |
| GI GALVANISED IRON | UN UNKNOWN |
| GR GREY IRON | PE POLYETHYLENE |
- LINING TYPES
- | | |
|-------------------|----------------|
| CL CEMENT | ER EPOXY RESIN |
| TB TAR OR BITUMEN | |
- INSERTION TYPES
- | | |
|--------------|-----------|
| DD DIE DRAWN | MO MOLING |
|--------------|-----------|

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Scale 1:1250
Date: 12-Jun-2012



UNITED UTILITIES SERVICE RECORD

RSK Land and Development Engineering Limited
Spring Lodge
172 Chester Road
Helsby
Cheshire
WA6 0AR

FAO:

Dear Sirs

Location: Henthorn Road Clitheroe BB7 2LD

I acknowledge with thanks your request dated 24/05/12 for information on the location of our services.

Please find enclosed plans showing the approximate position of our apparatus known to be in the vicinity of this site.

I attach General Condition Information sheets, which details contact numbers for additional services (i.e. new supplies, connections, diversions) which we are unable to deal with at this office. In addition you should ensure they are made available to anyone carrying out any works which may affect our apparatus.

I trust the above meets with your requirements and look forward to hearing from you should you need anything further.

If you have any queries regarding this matter please telephone us on 0870 7510101.

Yours Faithfully,



Sue McManus
Operations Manager
Property Searches

United Utilities Water PLC

Property Searches
Ground Floor Grasmere House
Lingley Mere Business Park
Great Sankey
Warrington
WA5 3LP

DX 715568 Warrington
Telephone 0870 751 0101
Fax Number 0870 7510102

Property.searches@uuwplc.co.uk

Your Ref: HENTHORN ROAD - CLITHEROE
Our Ref: 12/ 871593
Date: 12/06/2012

TERMS AND CONDITIONS - WASTERWATER & WATER DISTRIBUTION PLANS

These provisions apply to the public sewerage, water distribution and telemetry systems (including sewers which are the subject of an agreement under Section 104 of the Water Industry Act 1991 and mains installed in accordance with the agreement for the self construction of water mains) (UW apparatus) of United Utilities Water PLC ("UW").

TERMS AND CONDITIONS:

1. This Map and any information supplied with it is issued subject to the provisions contained below, to the exclusion of all others and no party relies upon any representation, warranty, collateral contract or other assurance of any person (whether party to this agreement or not) that is not set out in this agreement or the documents referred to in it.
2. This Map and any information supplied with it is provided for general guidance only and no representation, undertaking or warranty as to its accuracy, completeness or being up to date is given or implied.
3. In particular, the position and depth of any UW apparatus shown on the Map are approximate only. UW strongly recommends that a comprehensive survey is undertaken in addition to reviewing this Map to determine and ensure the precise location of any UW apparatus. The exact location, positions and depths should be obtained by excavation trial holes.
4. The location and position of private drains, private sewers and service pipes to properties are not normally shown on this Map but their presence must be anticipated and accounted for and you are strongly advised to carry out your own further enquiries and investigations in order to locate the same.
5. The position and depth of UW apparatus is subject to change and therefore this Map is issued subject to any removal or change in location of the same. The onus is entirely upon you to confirm whether any changes to the Map have been made subsequent to issue and prior to any works being carried out.
6. This Map and any information shown on it or provided with it must not be relied upon in the event of any development, construction or other works (including but not limited to any excavations) in the vicinity of UW apparatus or for the purpose of determining the suitability of a point of connection to the sewerage or other distribution systems.
7. No person or legal entity, including any company shall be relieved from any liability howsoever and whensoever arising for any damage caused to UW apparatus by reason of the actual position and/or depths of UW apparatus being different from those shown on the Map and any information supplied with it.
8. If any provision contained herein is or becomes legally invalid or unenforceable, it will be taken to be severed from the remaining provisions which shall be unaffected and continue in full force and effect.
9. This agreement shall be governed by English law and all parties submit to the exclusive jurisdiction of the English courts, save that nothing will prevent UW from bringing proceedings in any other competent jurisdiction, whether concurrently or otherwise.

These general conditions and precautions apply to the wastewater network of United Utilities.

Please ensure that a copy of these conditions is passed to your representative and contractor on site.

1. United Utilities provides the approximate locations of its sewers according to its records. These records are not necessarily accurate or complete nor do they normally show the positions of every sewer culvert or drain, private connections from properties to the public sewers or the particulars of any private system. No person or company shall be relieved from liability for any damage caused by reason of the actual positions and/or depths being different from those indicated. The records do indicate the position of the nearest known public sewer from which the likely length of private connections can be estimated together with the need for any off site drainage rights or easements.
2. Special requirements relative to our sewers may be indicated. United Utilities employees or its contractors will visit any site at reasonable notice to assist in the location of its underground sewers and advise any precautions that may be required to obviate any damage. To arrange a visit or for further information regarding new supplies, connections, diversions, costing, or any notification required under these General Conditions, please call us on **0845 746 2200**.
3. Where public sewers are within a site which is to be developed and do not take any drainage from outside the area, they are from an operational viewpoint redundant. The developer must identify all redundant sewers affected by the development and apply to United Utilities in writing for these sewers to be formally closed. The developer shall bear all related costs of the physical abandonment work.
4. Public sewers within the site that are still live outside the area, will be subject to a "Restricted Building zone". This would normally be a surface area equivalent to the depth of the sewer measured from the centre line of the sewer on either side. No construction will be permitted within that zone. The developer should also note that deep and wide rooted trees must not be planted in close proximity to live sewers. Access to public sewers must be maintained at all times and no interference to manholes will be permitted during construction work.
5. Where there is a public sewer along the line of a proposed development/building, arrangements shall be made by the developer at his cost to divert the sewer around the development. Where this is not possible and as a last resort, a "Building Over Agreement" will need to be completed under section 18 of the Building Act 1984. The developer shall design building foundations to ensure that no additional loading is transferred to the sewer and submit such details both to the Local Authority's Building Control Officer and to United Utilities for approval/acceptance. United Utilities on a rechargeable basis would normally undertake all aspects of design work associated with the diversion of any part of the operational wastewater network.
6. Where there is a non-main river watercourse/culvert passing through the site, the landowner has the responsibility of a riparian owner for the watercourse/culvert and is responsible for the maintenance of the fabric of the culvert and for all works involved in maintaining the unrestricted flow through it. Building over the watercourse/culvert is not recommended. The developer must contact the local authority before any works are carried out on the watercourse/culvert. Where it is necessary to discharge surface water from the site into the watercourse/culvert the developer shall make an assessment of the available capacity of the watercourse/culvert (based on a 1 in 50 year event) and ensure that the additional flow to be discharged into the watercourse/culvert will not cause any flooding. In appropriate cases, flooding may be prevented by on-site storage. The developer shall submit the relevant details required to substantiate his development proposals. Details of any outfall proposed shall also be submitted to the Environment Agency, PO Box 12, Richard Fairclough House, Knutsford Road, Warrington, Cheshire, WA4 1HT for their approval.
7. Where there is a main river watercourse/culvert passing through the site, the developer shall submit all proposals affecting the river to the Environment Agency at the address stated in paragraph 6 for approval/acceptance.

8. Your attention is drawn also to the following:

- **Private drains or sewers which may be within the site.**

United Utilities has no duty to keep records of private drains and sewers, and there are no comprehensive records kept elsewhere. Local Authority Building Control Officers may have records of recent developments and they or the developer may be able to provide information in this respect.

- **Applications to make connections to the public sewer.**

The developer must write to United Utilities requesting an application form that must be duly completed and returned. No works on the public sewer shall be carried out until a letter of consent is received from United Utilities.

- **Sewers for adoption.**

If an agreement for the adoption of sewers under Section 104 of the Water Industry Act 1991 is being contemplated, a submission in accordance with "Sewers for Adoption", Fifth Edition, published by the Water Research Centre (2001) Plc, Henley Road, Medmenham, PO Box 16, Marlow, Buckinghamshire, SL7 2HD will be required, taking into consideration any departures from the general guide stipulated by United Utilities.

- **Further consultation with United Utilities.**

Developers wishing to seek advice or clarification regarding sewer record information provided should contact United Utilities to arrange an appointment. A consultation fee may be charged, details of which will be made available at the time of making an appointment.

9. Combined sewers, foul sewers, surface water sewers, and pumped mains. These are shown separately in a range of colours or markings to distinguish them on our drawings, which are extracts from the statutory regional sewer map. A legend and key is provided on each extract for general use, although not all types of sewer will be shown on every extract.

Combined sewers shown coloured red carry both surface water and foul sewage, especially in areas where there is no separate surface water sewerage system.

Foul sewers coloured brown may also carry surface water and there may be no separate surface water system indicated in the immediate area. Both combined and foul sewers carry wastewater to our treatment works before it can safely be returned to the environment.

Surface water sewers coloured blue on our drawings are intended only to carry uncontaminated surface water (e.g. rainfall from roofs, etc) and they usually discharge into local watercourses. It is important for the protection of the environment and water quality that only uncontaminated surface water is connected to the surface water sewers. Improper connections to surface water sewers from sink wastes, washing machines and other domestic use of water can cause significant pollution of watercourses.

Pumped mains, rising mains and sludge mains will all be subject to pumping pressures and are neither suitable nor available for making new connections.

Highway drains, when included, show as blue and black dashed lines. Highway drains are not assets belonging to United Utilities and are the responsibility of local authorities.

10. For information regarding future proposals for construction of company apparatus please write to United Utilities, PO Box 453, Warrington, WA5 3QN.

11. For information regarding easements, deeds, grants or wayleaves please write to United Utilities Property Solutions, Coniston Buildings, Lingley Mere Business Park, Lingley Green Avenue, Great Sankey, Warrington WA5 3UU (**Tel: 01925 463 654**).



United Utilities Water PLC
Haweswater House, Lingley Mere Business Park,
Lingley Green Avenue, Great Sankey, Warrington WA5 3LP
www.unitedutilities.com

Registered in England and Wales Registered Number 2366678

These general conditions and precautions apply to the water distribution system of United Utilities.

Please ensure that a copy of these conditions is passed to your representative and contractor on site.

1. United Utilities provides approximate locations of its water mains or apparatus according to its records. These records are not necessarily accurate or complete nor do they normally show the positions of private service pipes from the mains to properties. Where service pipes are shown, a blue broken line indicates their approximate position. No person or company shall be relieved from liability for any damage caused by reason of the actual positions and/or depths being different from those indicated.
2. Special requirements relative to our apparatus may be indicated. United Utilities employees will visit any site at reasonable notice to assist in the location of its underground water apparatus and advise any precautions that may be required to obviate any damage. To arrange a visit or for further information regarding new supplies, connections, diversions, costing, future proposals for construction of company apparatus or any notification required under these General Conditions, please telephone us on **0845 746 2200** or write to United Utilities, PO Box 453, Warrington, WA5 3QN.
3. In order to achieve safe working conditions adjacent to any water apparatus the following should be observed;
 - (a) All water apparatus should be located by hand digging prior to the use of mechanical excavation.
 - (b) During construction work where heavy plant may have to cross the line of a water main, and the main is not under a carriageway of adequate standard of construction, crossing points should be suitably reinforced with sleepers, steel plates or a specially constructed reinforced concrete raft as necessary. These crossing points should be clearly indicated and crossing the line of the water main at other places should be prevented. United Utilities employees will advise on the type of reinforcement necessary. This is particularly important on agricultural or open land, where tilling or erosion may have significantly reduced the original cover.
 - (c) No explosive should be used within 32 metres of any United Utilities apparatus without prior consultation with United Utilities.
 - (d) Where it is proposed to carry out piling within 15 metres of any water main United Utilities should be consulted so that the affected main may be surveyed.
4. During any excavation, it is important that measures should be taken to ensure continued support for any water main:
 - (a) Where excavation of trenches adjacent to any water main is likely to affect its support, the main must be supported to the satisfaction of United Utilities.
 - (b) Where a trench is excavated crossing or parallel to the line of a water main, the backfill should be adequately compacted to prevent any settlement which could subsequently cause damage to the main. In special cases it may be necessary to provide permanent support to a main which has been exposed over the length of the excavation before back-filling and reinstatement is carried out. No back-filled concrete should contact the main.
5. No other apparatus should be laid over and along the line of a water main irrespective of clearance. A minimum clearance of 450 millimetres should be allowed between any plant being installed and an existing main, to facilitate maintenance and repair, whether the adjacent plant is parallel to or crossing the main. No manhole, chamber, or other obstruction should be built over or around a water main.
6. Where a water main is coated with special wrapping and the wrapping is damaged, even to a minor extent, United Utilities must be notified, and the excavation must be left open for ready access so that repairs can be made. In case of any material damage to the main itself causing leakage, or weakening of the mechanical strength of the pipe, the person or body responsible should immediately notify United Utilities in order that the necessary remedial work can be carried out. The full cost of the necessary remedial work will be charged to the person or body responsible for the damage.

7. If you propose to change existing levels over water mains you will need to inform us. We will need specific locations to be identified together with precise details as to the scale of the proposed changes to existing ground levels. Changes to existing levels may require the diversion of our apparatus at your cost. However, in certain circumstances we may wish to leave our apparatus where it is. On these occasions you will usually be required to protect our apparatus by means of a concrete raft and either raise or lower any surface boxes affected.
8. Under no circumstances should our surface boxes be either buried or left in a situation where they are raised above finished ground levels. You should re-use and re-set any surface boxes affected by your works into the new surface so that they align over the water apparatus below. You will be responsible for the cost of repairing any damage to our apparatus as a result of your works.
9. Where proposals involve resurfacing, you must notify United Utilities if your excavation will be greater than 750mm in the highway and 300mm in a footpath, verge or other location.
10. For information regarding easements, deeds, grants, licences or wayleaves, please write to United Utilities Property Solutions, Coniston Buildings, Lingley Mere Business Park, Lingley Green Avenue, Great Sankey, Warrington WA5 3UU (**Tel: 01925 463 654**).

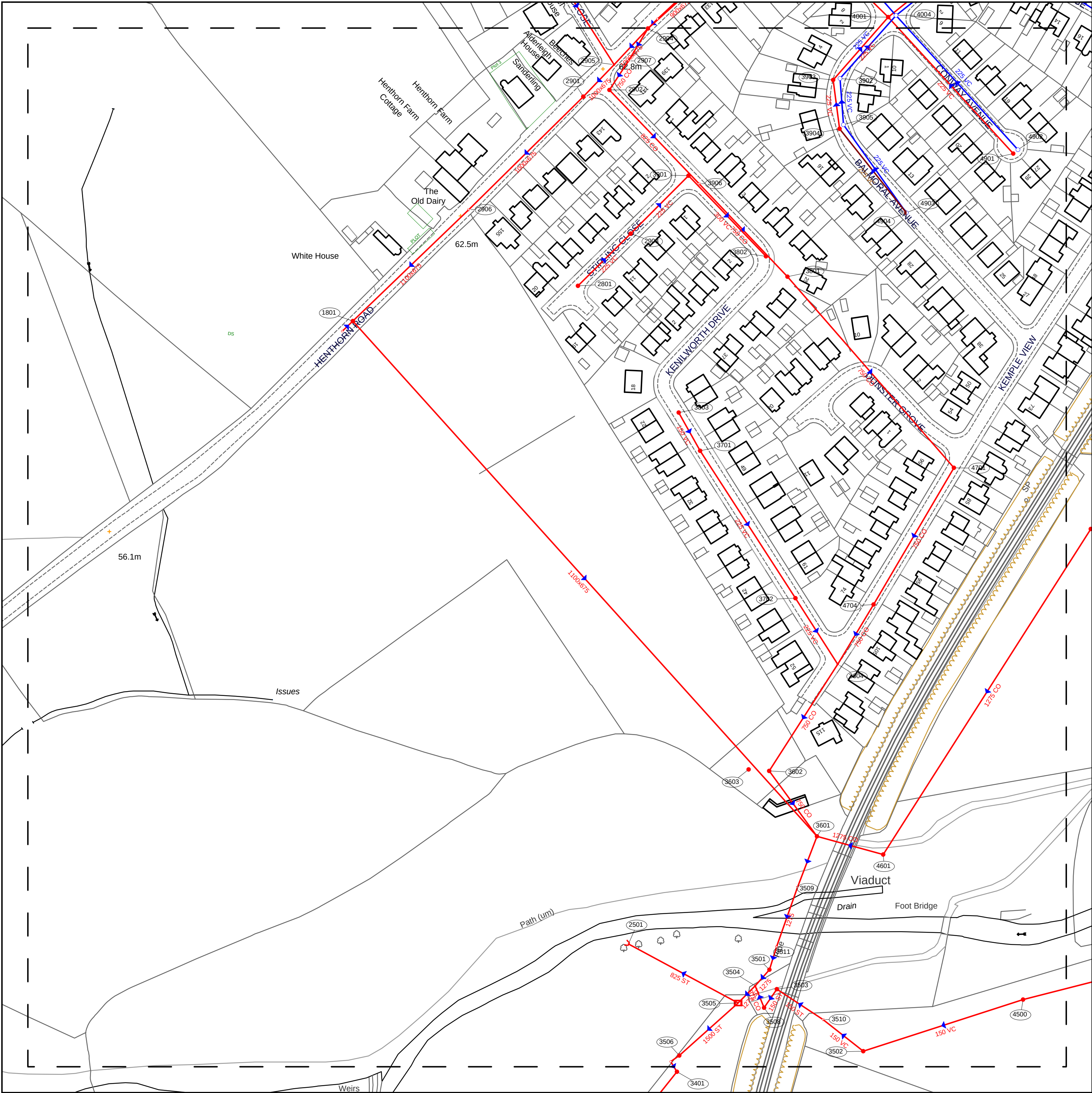
Tree planting restrictions over water mains

- a) Poplar and willow trees have extensive root systems and should not be planted within 10 metres of any water main.
- b) The following trees and those of a similar size, whether they are deciduous or evergreen, should not be planted within six metres of any water main:
 - Ash, beech, birch, elm, horse chestnut, lime, oak, sycamore;
 - Apple trees and pear trees;
 - Most conifers.
- c) United Utilities requires access to the route of its mains at all times to inspect for leaks and carry out surveys. We recommend that no shrubs or bushes which might obstruct or interfere with our access should be planted within one metre of the centre line of any water main.
- d) There may be instances when both United Utilities and the landowner will wish to plant shrubs or bushes close to the water main for screening or other purposes. The following shallow rooting shrubs would be suitable for this purpose:
 - Blackthorn, broom, cotoneaster, elder;
 - Hazel, laurel, privet, quickthorn, snowberry;
 - Most ornamental flowering shrubs.
- e) In areas where soft fruit is grown, blackcurrant, raspberries and gooseberries may be planted close to the main, provided that a path is left clear for inspection access and surveys. United Utilities can give additional advice where required in particular circumstances.



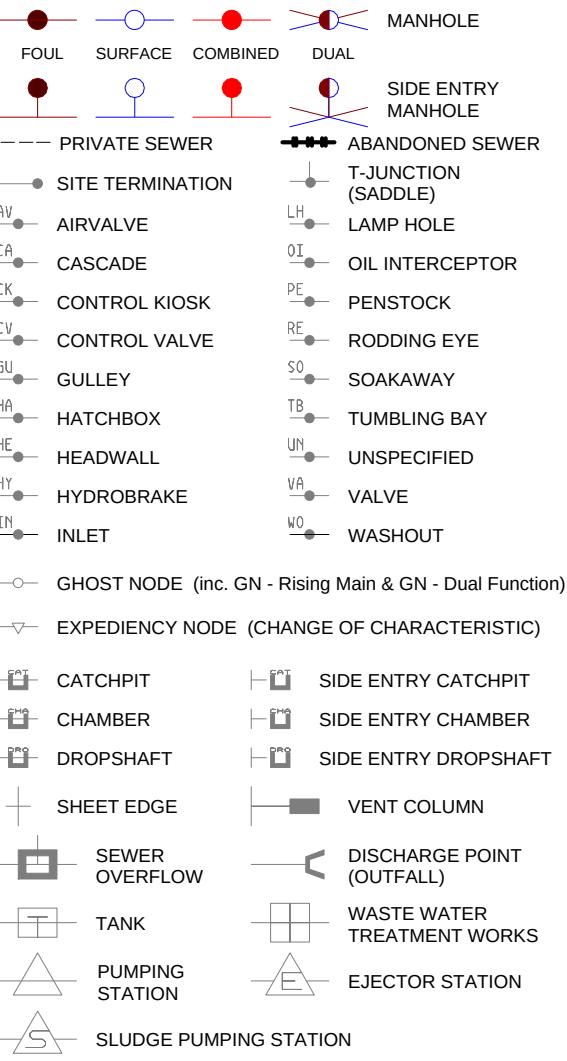
United Utilities Water PLC
Haweswater House, Lingley Mere Business Park,
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Registered in England and Wales Registered Number 2366678



Refno	Cover	Func	Type	Invert	Size.x	Size.y	Shape	Matl	Grad	Length
1801	60.19	C	M	58.39	1100	675	E			333.73
1802		C	G			150	C	VC		7.02
2501		O	F							
2801	63.2	C	M	61.9	225		C	VC	99	35.72
2901	62.88	C	M	58.75	1000	675	E		455	77.43
2902	62.95	C	M	58.91	825		C	CO	367	62.42
2903	63.12	C	M	61.53	225		C	VC	96	39.39
2904	62.35	C	M	58.89	1000	675	E		-228	18.22
2904	62.35	C	M	58.89	1000	675	E			23.83
2905		C	J		1000	675	E			21.39
2906		C	Q	58.58	1100	675	E		455	77.37
2907		C	Q	58.97	750		C	CO	-239	16.71
3501	59.32	C	M		1275		C			10.36
3502	60.39	C	M	59.34	150		C	VC	137	24.65
3503	59.46	C	M	58.31	150		C	ST	155	10.82
3504		C	J		1275		C	ST		11.65
3505		C	V	57.37	1500		C	ST		37.94
3505		C	V		825		C	ST		59.95
3506	59.47	C	M		1500		ST			5.05
3507		C	G		1500		ST			5.73
3508	59.01	C	M	57.99	375		C	CO		11.38
3509		F	Q		1275		C			30.4
3510		C	Q	59.16	150		C	ST	148	26.59
3511		F	Q		1275		C	CO		11.57
3601	60.07	C	M		1275		C	CO		26.19
3602	62.86	C	M	57.86	750		C	CO		38.97
3603		C	M							
3604		C	J		750		C	CO		61.01
3701	63.04	C	M	60.65	225		C	VC	156	84.49
3702	62.69	C	M	60.1	225		C	VC		37.74
3801	62.05	C	M	58.54	750		C	CO	642	121.99
3802	62.08	C	M							
3803	62.89	C	M	61.19	150		C	VC	43	21.07
3901	62.86	C	M	61.07	300		C	VC	256	53.8
3902	61.73	S	M	61.14	225		C	VC	369	40.57
3903	61.8	C	M		225		C	VC		40.22
3904	61.92	C	M	60.75	225		C	VC		23.7
3905	61.96	S	M	61.3	225		C	VC	159	22.32
3906		C	Q	58.74	750		C	CO	343	61.74
4500	63.4	C	M	62.1	150		C	VC	29	80.83
4601	59.83	C	M	57.85	1275		C	CO		33.05
4701	62.81	C	M	58.34	750		C	CO		76.29
4704	62.52	C	M		750		C	CO		33.55
4801	63.19	C	M	61.71	225		C	VC	64	89.09
4802	63.22	S	M	61.71	225		C	VC	132	87.27
4803	62.31	S	D	61.58	225		C	VC	217	52.05
4804	62.3	F	D	61.16	225		C	VC	143	51.61

WASTE WATER SYMBOLOLOGY



Note - ALL flow direction arrows are BLUE - colour not significant

NODE TABLE ABBREVIATIONS

MANHOLE FUNCTION

F	Foul	T	Transition
S	Surface	O	Overflow
C	Combined	U	Unspecified

MANHOLE / NODE TYPE

M	Manhole	Z	Ghost in Rising Main
J	Junction	C	Cascade
L	Lamp hole	Y	Gulley
H	Hatchbox	E	Ejector
R	Rodding Eye	O	Oil Injector
F	Outfall	I	Inlet
V	Combined Sewer Overflow	B	Hydrobrake
P	Pumping Station	T	Vent Column
S	Soakaway	X	Valve
D	Dual Function Manhole	U	Unspecified
W	Treatment Works	Q	Expediency Node
		G	Ghost
			(to allow pipe bends)

SEWER SHAPE

C	Circular	T	Trapezoidal
E	Egg	A	Arch
O	Oval	B	Barrel
F	Flat Top	H	Horseshoe
R	Rectangular	U	Unspecified
S	Square		

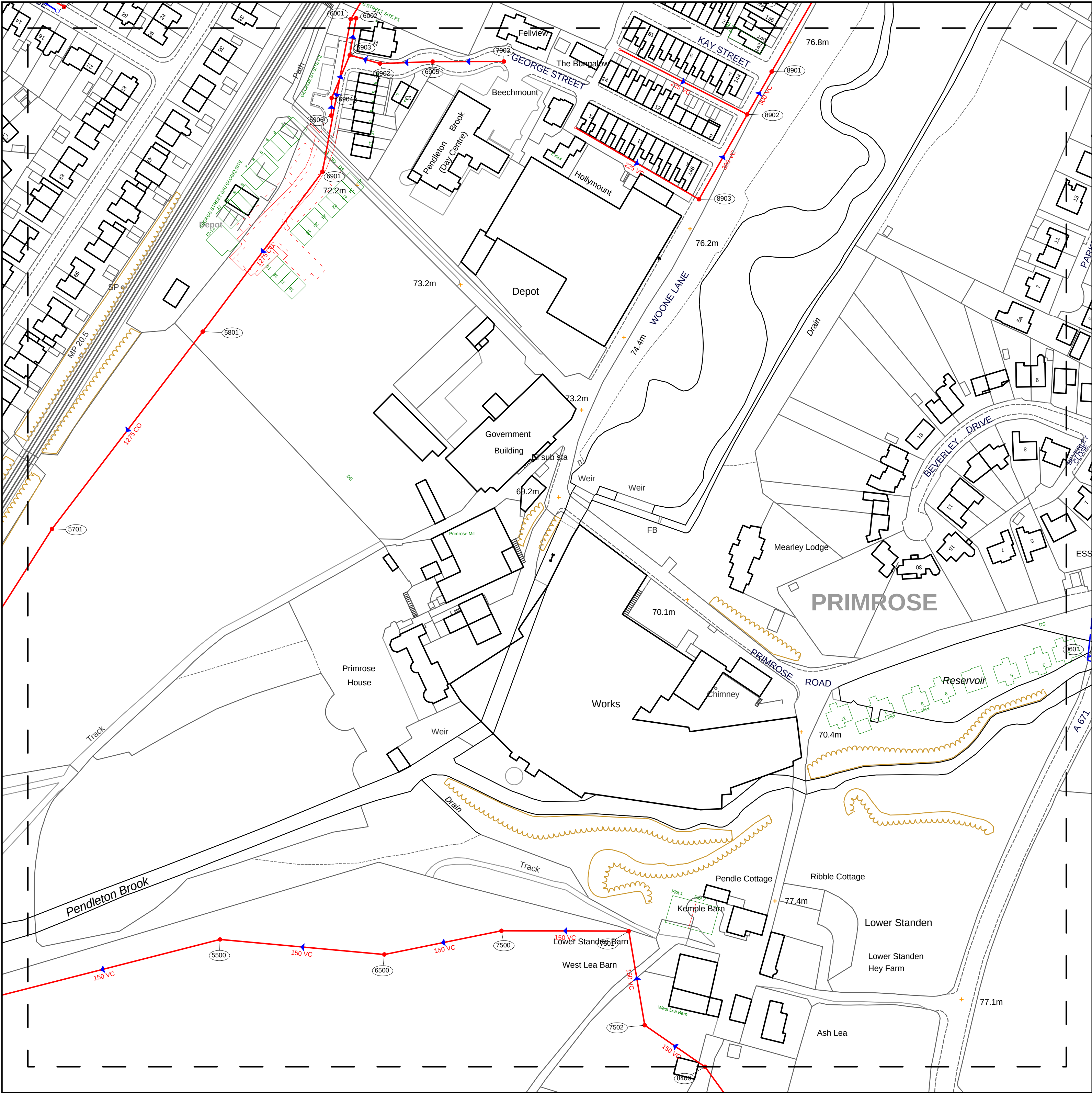
SEWER MATERIAL

AC	Asbestos Cement
BR	Brick
CI	Cast Iron
SI	Spun (Grey) Iron
CO	Concrete
CS	Concrete Segments (Bolted)
CS	Concrete Segments (Unbolted)
CC	Concrete Box Culvert
DI	Ductile Iron
GR	Glass Reinforced Concrete
GR	Glass Reinforced Plastic
PS	Plastic / Steel Composite
PV	Polyvinyl Chloride
PE	Polyethylene
RP	Reinforced Plastic Matrix
ST	Steel
VC	Vitrified Clay (All Clayware)
PP	Polypropylene
PF	Pitch Fibre
MA	Masonry - In Regular Courses
MA	Masonry - Randomly Coursed
U	Unspecified

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OS Sheet No: SD7340NW
Scale 1:1250 Date: 12-Jun-2012
47 Nodes
Sheet 1 of 1





Refo	Cover	Func	Type	Invert	Size	x	Size	y	Shape	Matl	Grad	Length
5500	65.49	C	M	64.06	150	C	VC	60	117.09			
5701	65.13	C	M	61.87	1275	C	CO	46	185.82			
5801	68.86	C	M	62.48	1275	C	CO	196	119.49			
5901	68.97	C	M	67.5	150	C	VC	23	79.44			
6001	71.59	C	M	70.27	1275	C	CO		96.17			
6101	72.77	C	M	70.35		C		189	15.08			
6201	72.48	C	M	70.27		C			18.09			
6301	72.12	C	M	70.51		C		93	22.31			
6401	74.71	C	M	70.54		C		134	25.37			
6500	72.04	C	M	70.56		C		170	8.52			
7500	71.72	C	M	69.91	150	C	VC	24	57.52			
7501	75.54	C	M	74.17	150	C	VC	14	61.27			
7502		C	M	150		C	VC		45.94			
7901		C	G	225		C	VC		68.87			
7902		C	G	225		C	VC		68.73			
7903	74.9	C	M	73.7		C		11	34.3			
8400	79.91	C	M	78.11	150	C	VC		35.23			
8901	76.9	C	M	74.54	300	C	VC	98	97.16			
8902	76.95	C	M	74.74	300	C	VC	132	23.69			
8903	76.49	C	M	75.09	300	C	VC	142	46.99			

WASTE WATER SYMBOLOLOGY

- Foul
- Surface
- Combined
- Dual
- Manhole
- PRIVATE SEWER
- SITE TERMINATION
- AIR VALVE
- CASCADE
- CONTROL VALVE
- CONTROL VALVE
- GULLY
- HATCHBOX
- HEADWALL
- HYDROBRAKE
- INLET
- GHOST NODE (inc. GN - Rising Main & GN - Dual Function)
- EXPEDIENCY NODE (CHANGE OF CHARACTERISTIC)
- CATCHPIT
- CHAMBER
- DROPSHAFT
- SHEET EDGE
- SEWER OVERFLOW
- TANK
- PUMPING STATION
- SLUDGE PUMPING STATION
- SIDE ENTRY MANHOLE
- T-JUNCTION (SADDLE)
- LAMP HOLE
- OIL INTERCEPTOR
- PENSTOCK
- RODDING EYE
- SOAKAWAY
- TUMBLING BAY
- UNSPECIFIED
- VALVE
- WASHOUT
- ABANDONED SEWER
- SIDE ENTRY CATCHPIT
- SIDE ENTRY CHAMBER
- SIDE ENTRY DROPSHAFT
- VENT COLUMN
- DISCHARGE POINT (OUTFALL)
- WASTE WATER TREATMENT WORKS
- EJECTOR STATION

Note - ALL flow direction arrows are BLUE - colour not significant

NODE TABLE ABBREVIATIONS

MANHOLE FUNCTION

- F Foul

T Transition
- S Surface

O Overflow
- C Combined

U Unspecified

MANHOLE / NODE TYPE

- M Manhole

Z Ghost in Rising Main
- J Junction

C Cascade
- L Lamphole

Y Gully
- H Hatchbox

E Ejector
- R Rodding Eye

O Oil Injector
- F Outfall

I Inlet
- V Combined Sewer Overflow

B Hydrobrake
- P Pumping Station

T Vent Column
- S Soakaway

X Valve
- D Dual Function Manhole

U Unspecified
- Q Expediency Node

G Ghost
- W Treatment Works

(to allow pipe bends)

SEWER SHAPE

- C Circular

T Trapezoidal
- E Egg

A Arch
- O Oval

B Barrel
- F Flat Top

H Horseshoe
- R Rectangular

U Unspecified
- S Square

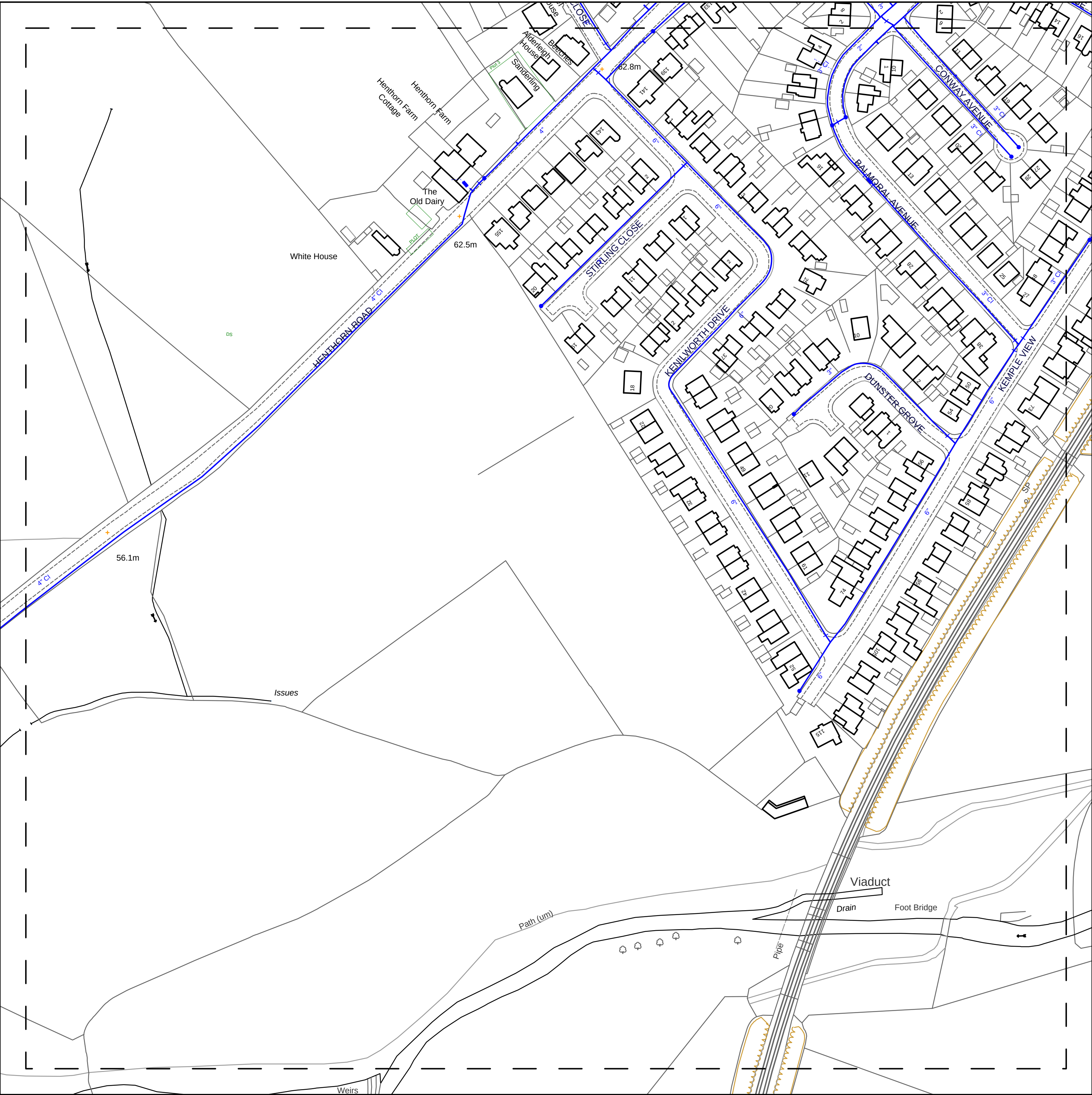
SEWER MATERIAL

- AC Asbestos Cement
- BR Brick
- CI Cast Iron
- SI Spun (Grey) Iron
- CO Concrete
- CS Concrete Segments (Bolted)
- CS Concrete Segments (Unbolted)
- CC Concrete Box Culvert
- DI Ductile Iron
- GR Glass Reinforced Concrete
- GR Glass Reinforced Plastic
- PS Plastic / Steel Composite
- PV Polyvinyl Chloride
- PE Polyethylene
- RP Reinforced Plastic Matrix
- ST Steel
- VC Vitrified Clay (All Clayware)
- PP Polypropylene
- PF Pitch Fibre
- MA Masonry - In Regular Courses
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- U Unspecified

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OS Sheet No: SD7340NE
Scale 1:1250 Date: 12-Jun-2012
20 Nodes
Sheet 1 of 1





OS Sheet No: SD7340NW
Scale 1:1250 Date: 12-Jun-2012

Printed by: Angela Gall

S1

L1

S2

L2

S3

L2

S4

L2

M1

M2

M3

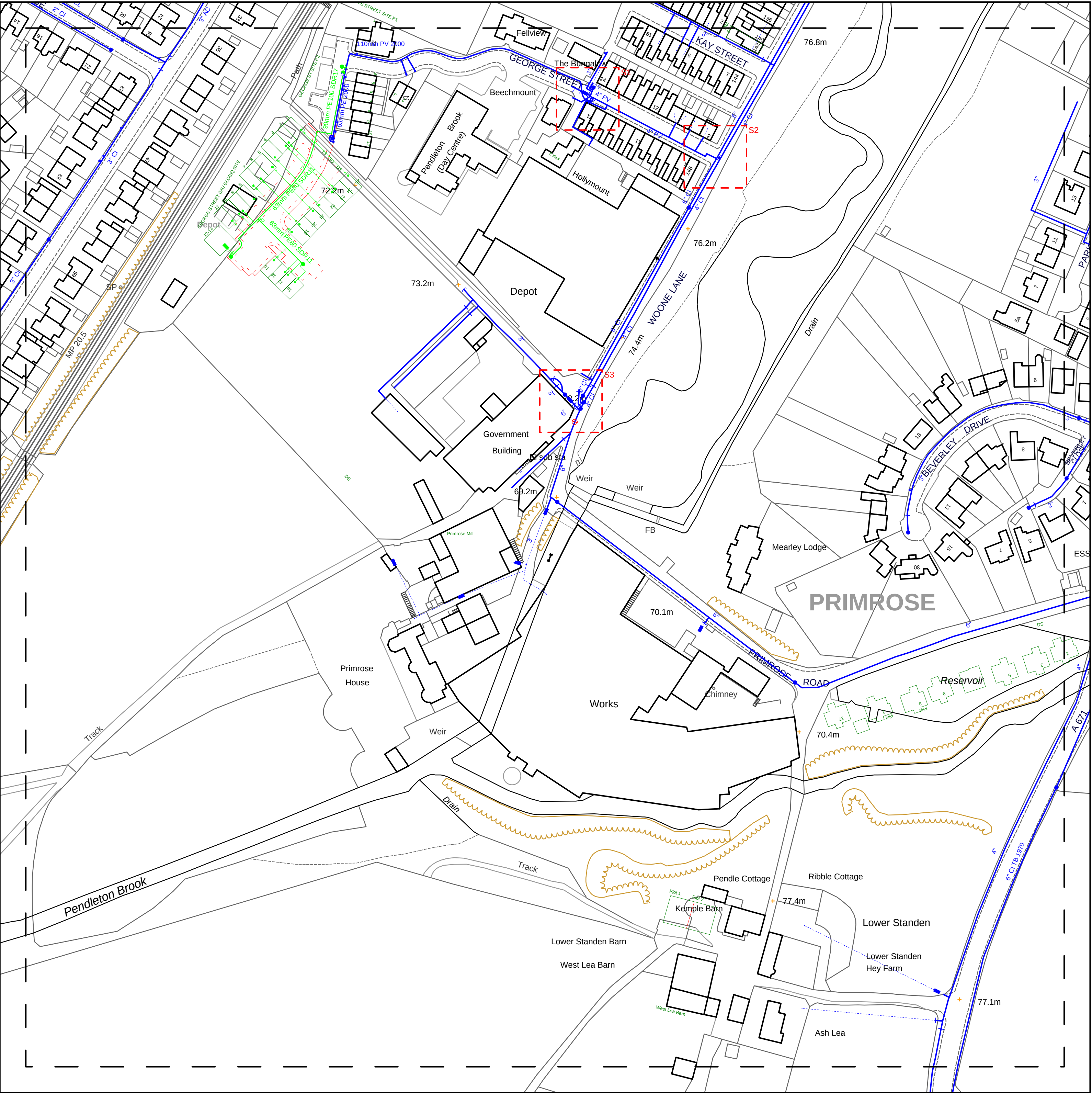
M4

- LEGEND**
- TRUNK MAIN
 - DISTRICT MAIN
 - NON-POTABLE MAIN
 - PROPOSED
 - AQUEDUCT
 - COMMON PIPE
 - PRIVATE PIPE
 - ABANDONED
- NODES / FURNITURE**
- END CAP
 - CLOCKWISE VALVE
 - ANTI-CLOCKWISE VALVE
 - SHEET EDGE
 - AIR VALVE
 - TREATED WATER
 - SLUCE VALVE
 - PRESSURE
 - SUSTAINING VALVE
 - REDUCING VALVE
 - REFLUX VALVE
 - CHANGE OF CHARACTERISTIC
 - ABNOSE
 - CHLORINATION POINT
 - DE-CHLORINATION POINT
 - BORE HOLE
 - ABSTRACTION POINT
 - INLET POINT
 - BULK SUPPLY POINT
 - NW WASHOUT
 - FIRE HYDRANT
 - SHARED HYDRANT
 - PUMP
 - SITE TERMINATION
 - INTERMEDIATE NODE
 - CONCESSION START
 - CONCESSION END
 - METER
 - METER AND STOPTAP
 - STOPTAP
 - MONITOR LOCATION
 - SP
 - AP
 - HB
 - IP
 - RM
 - SPT
 - LB
 - STRAIN POINT
 - ACCESS POINT
 - HATCHBOX
 - INSERT
 - PROBE POINT
 - ROUTE MARKER
 - SAMPLING POINT
 - LOGGER BOX
- PROPERTY TYPES**
- CONDITION REPORT
 - PIPE BRIDGE
 - PIPE TUNNEL
 - TELEMETRY STATION
 - PUMPING STATION
 - PUMP HOUSE
 - WATER TREATMENT WORKS
 - PRIVATE TREATMENT WORKS
 - VALVE HOUSE
 - WATER TOWER
 - CS
 - DU
 - SR
 - SUP RES
 - CONFINED SPACE
 - DIALYSIS UNIT
 - SERVICE RESERVOIR
 - SUPPLY RESERVOIR
- MATERIAL TYPES**
- AC ASBESTOS CEMENT
 - CI CAST IRON
 - CU COPPER
 - CO CONCRETE
 - DI DUCTILE IRON
 - GI GALVANISED IRON
 - GR GREY IRON
 - OT OTHERS
 - PB LEAD
 - PV uPVC
 - SI SPUN IRON
 - ST STEEL
 - UN UNKNOWN
 - PE POLYETHYLENE
- LINING TYPES**
- CL CEMENT
 - TB TAR OR BITUMEN
 - ER EPOXY RESIN
- INSERTION TYPES**
- DD DIE DRAWN
 - MO MOLING

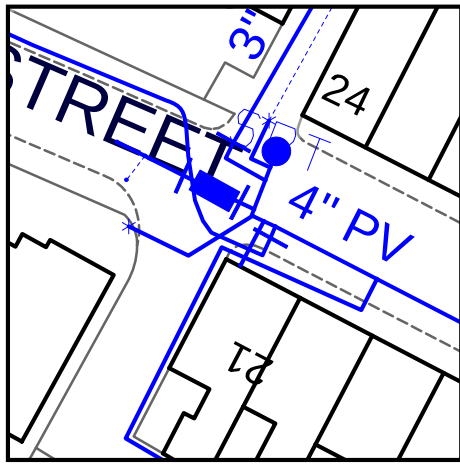
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Date: 12-Jun-2012

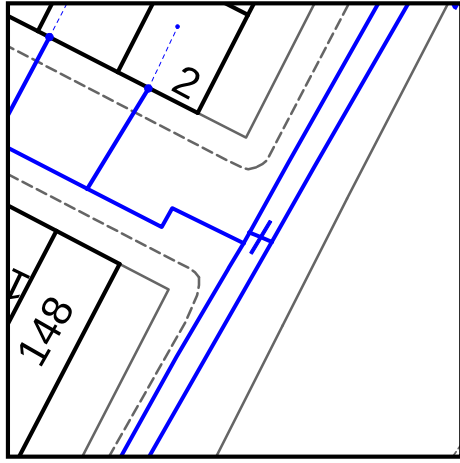




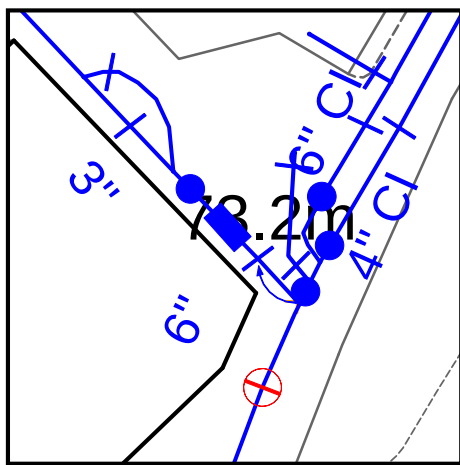
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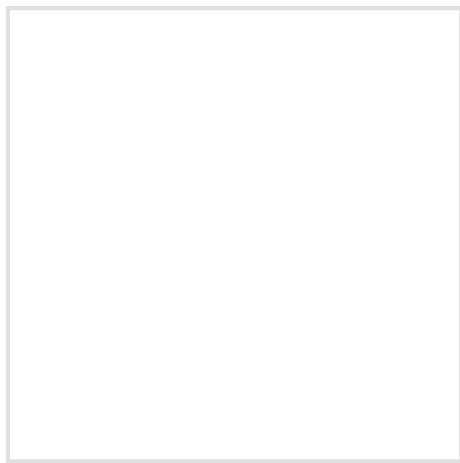
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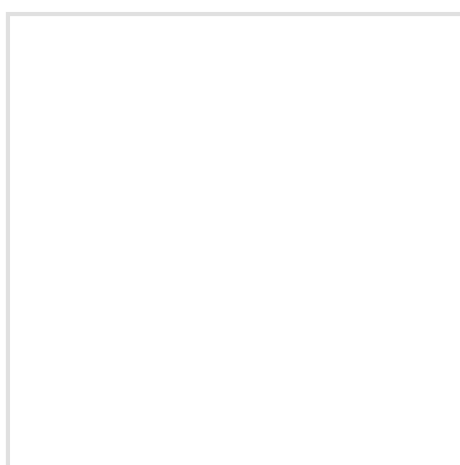
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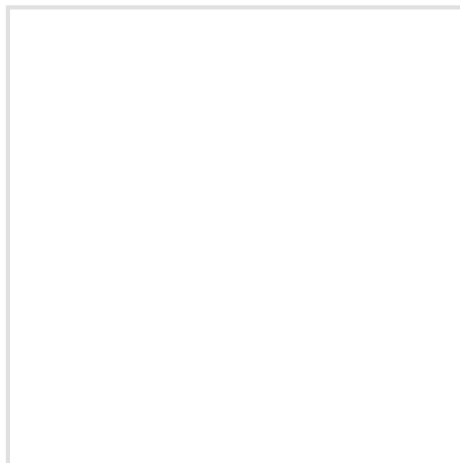
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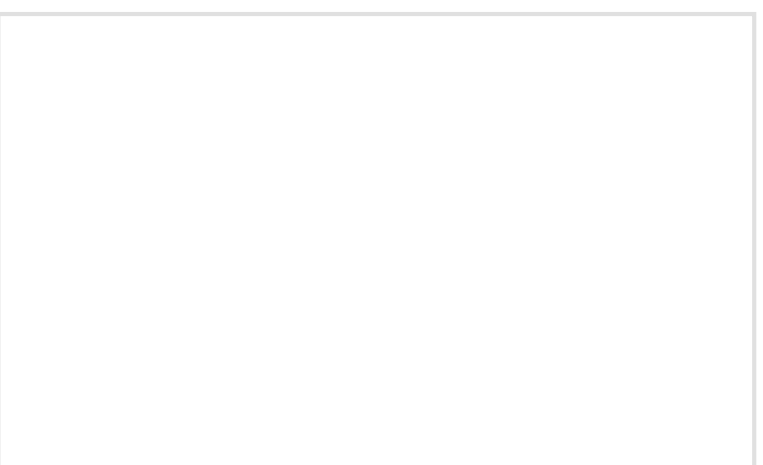
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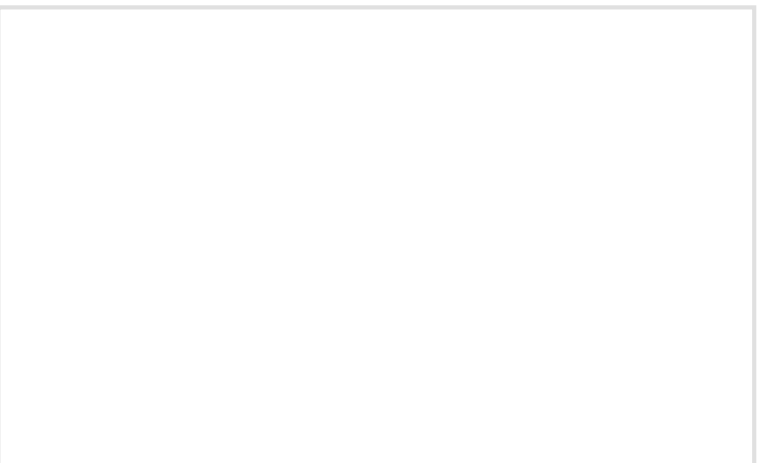
M1



M3



M2



M4

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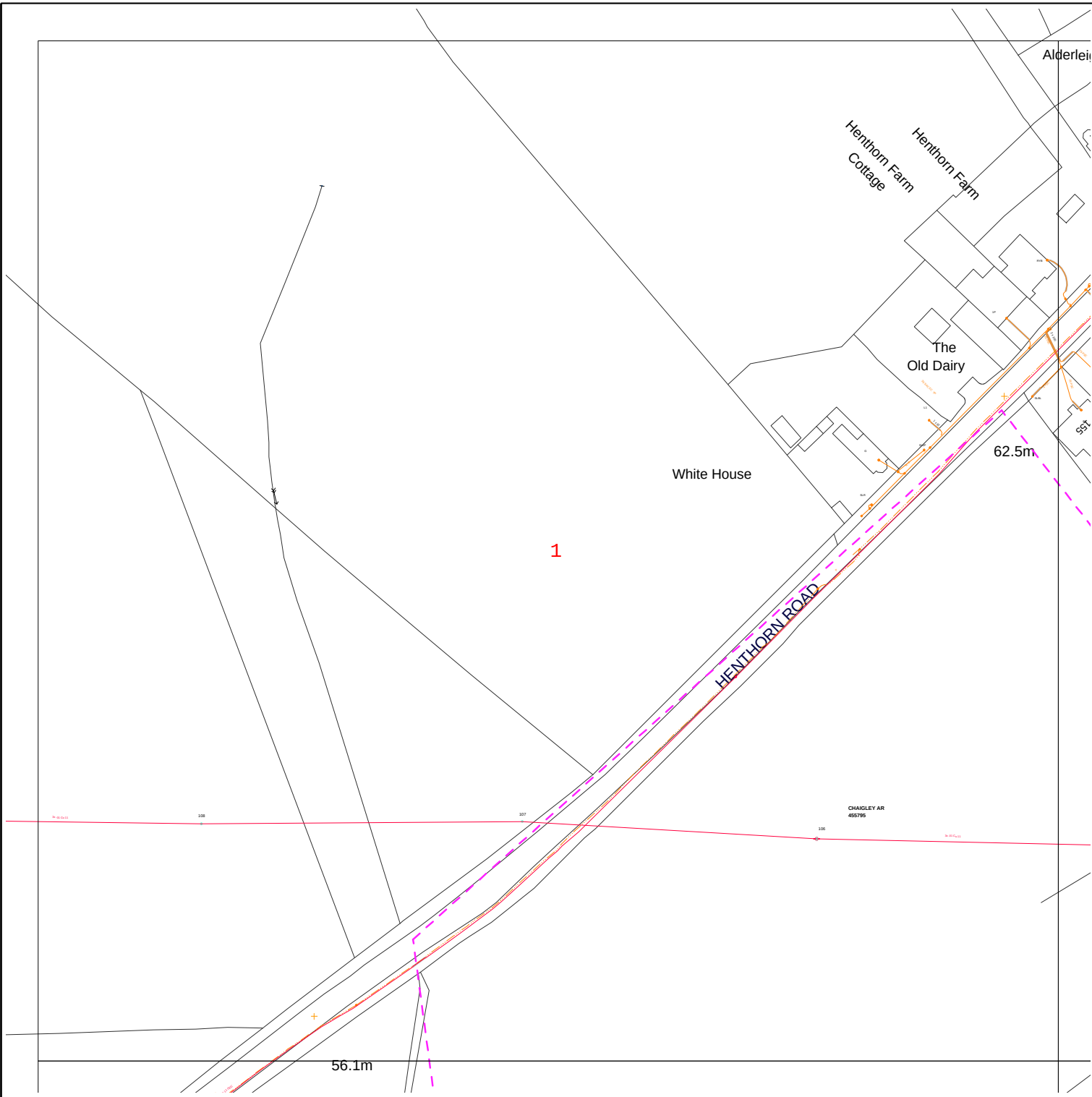
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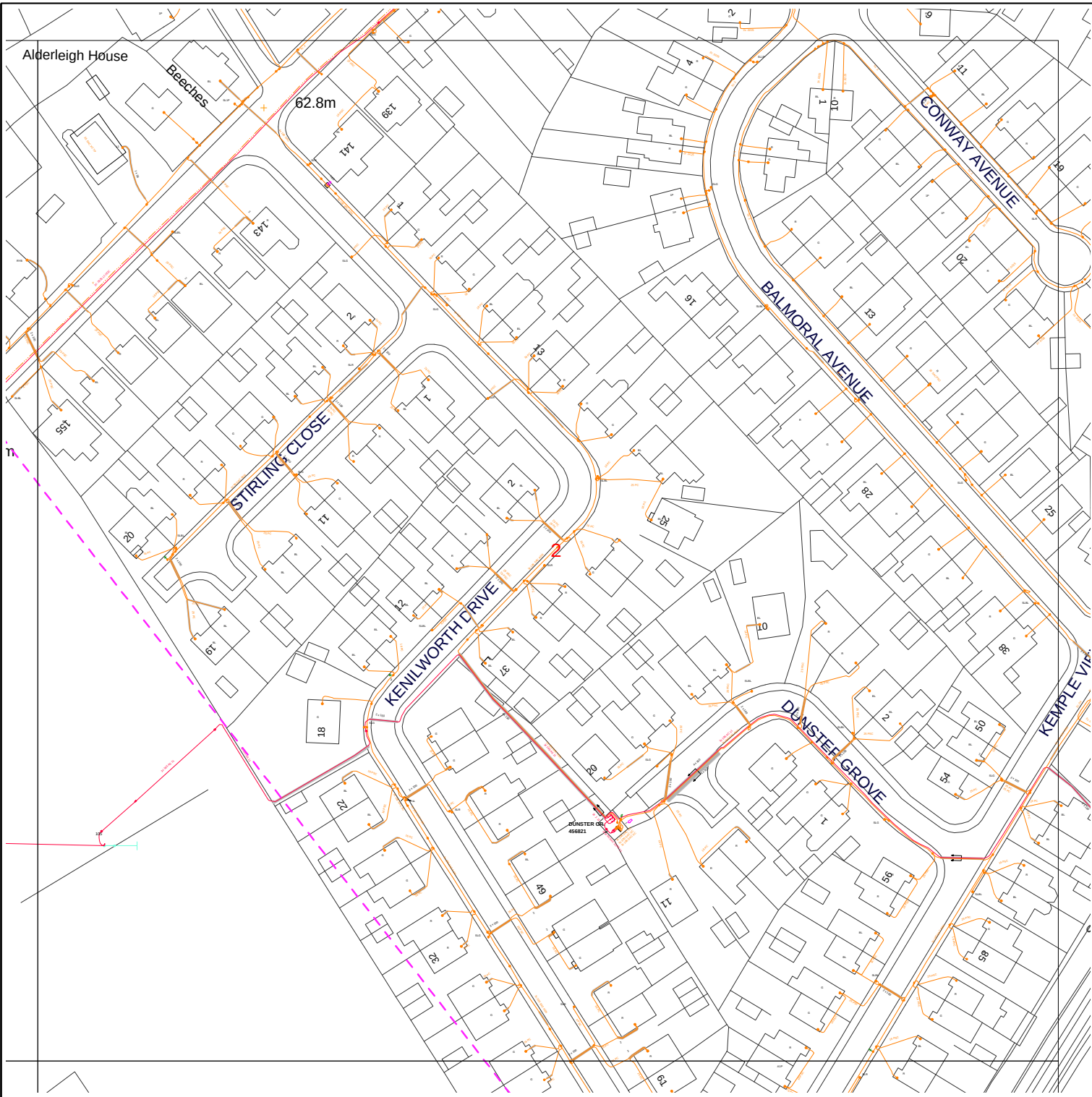
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Scale 1:1250
Date: 12-Jun-2012



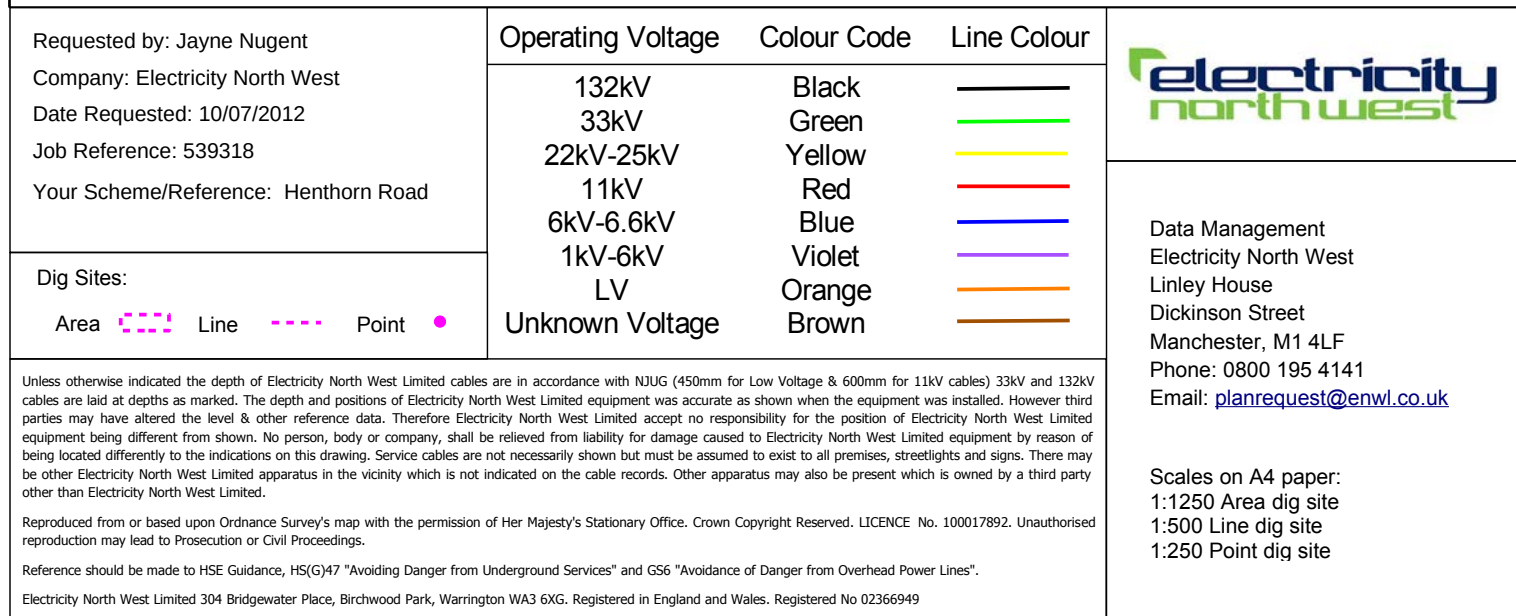
ELECTRICITY NORTH WEST PLANS

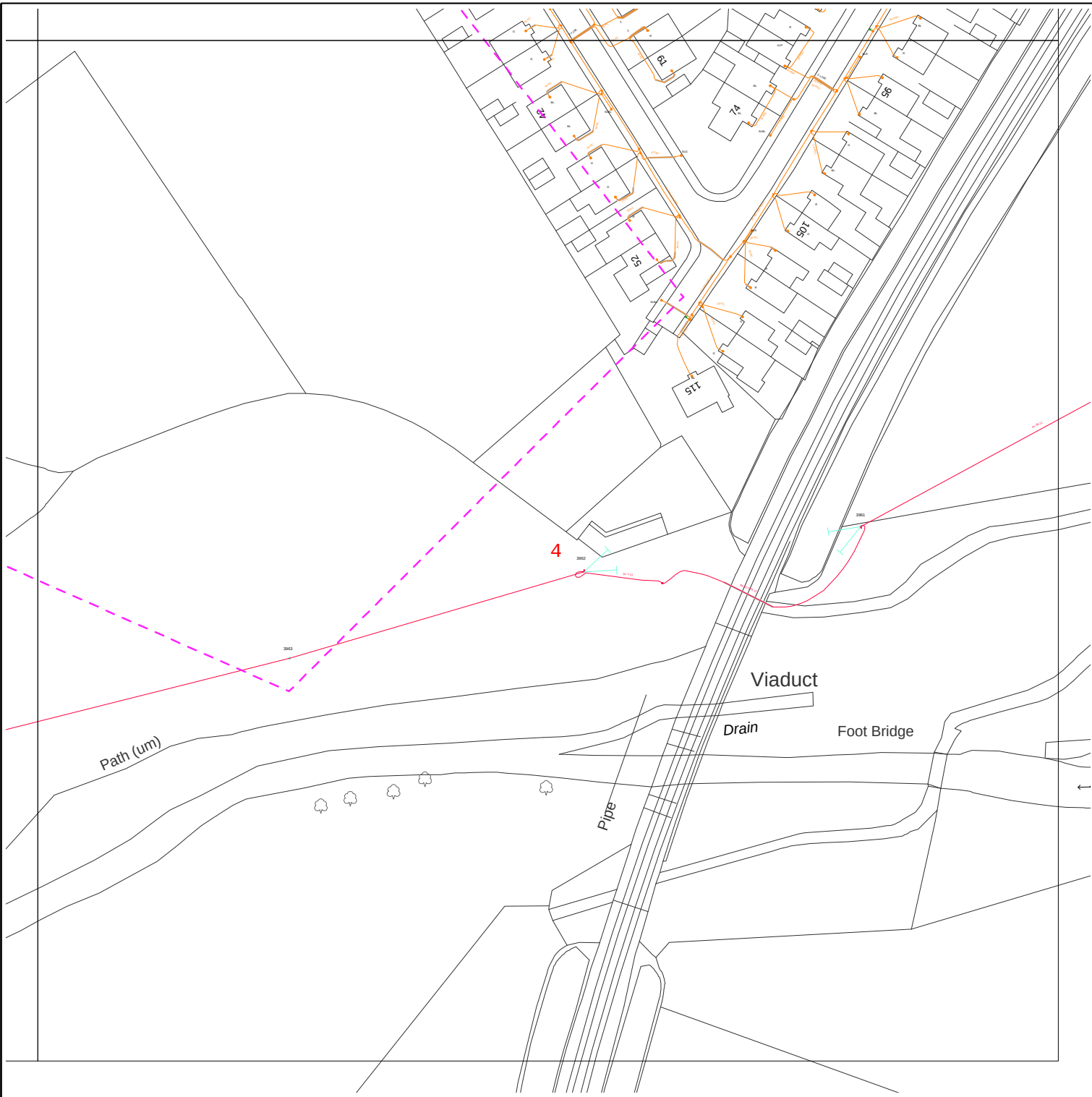


Requested by: Jayne Nugent Company: Electricity North West Date Requested: 10/07/2012 Job Reference: 539318 Your Scheme/Reference: Henthorn Road	Operating Voltage	Colour Code	Line Colour
	132kV 33kV 22kV-25kV 11kV 6kV-6.6kV 1kV-6kV LV Unknown Voltage	Black Green Yellow Red Blue Violet Orange Brown	       
Dig Sites: Area  Line  Point 			
Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NJUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited. Reproduced from or based upon Ordnance Survey's map with the permission of Her Majesty's Stationary Office. Crown Copyright Reserved. LICENCE No. 100017892. Unauthorised reproduction may lead to Prosecution or Civil Proceedings. Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoidance of Danger from Overhead Power Lines". Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG. Registered in England and Wales. Registered No 02366949			
 Data Management Electricity North West Linley House Dickinson Street Manchester, M1 4LF Phone: 0800 195 4141 Email: planrequest@enwl.co.uk Scales on A4 paper: 1:1250 Area dig site 1:500 Line dig site 1:250 Point dig site			



Requested by: Jayne Nugent Company: Electricity North West Date Requested: 10/07/2012 Job Reference: 539318 Your Scheme/Reference: Henthorn Road	Operating Voltage	Colour Code	Line Colour
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Requested by: Jayne Nugent Company: Electricity North West Date Requested: 10/07/2012 Job Reference: 539318 Your Scheme/Reference: Henthorn Road	<table><tr><th>Operating Voltage</th><th>Colour Code</th><th>Line Colour</th></tr><tr><td>132kV</td><td>Black</td><td></td></tr><tr><td>33kV</td><td>Green</td><td></td></tr><tr><td>22kV-25kV</td><td>Yellow</td><td></td></tr><tr><td>11kV</td><td>Red</td><td></td></tr><tr><td>6kV-6.6kV</td><td>Blue</td><td></td></tr><tr><td>1kV-6kV</td><td>Violet</td><td></td></tr><tr><td>LV</td><td>Orange</td><td></td></tr><tr><td>Unknown Voltage</td><td>Brown</td><td></td></tr></table>	Operating Voltage	Colour Code	Line Colour	132kV	Black		33kV	Green		22kV-25kV	Yellow		11kV	Red		6kV-6.6kV	Blue		1kV-6kV	Violet		LV	Orange		Unknown Voltage	Brown		Data Management Electricity North West Linley House Dickinson Street Manchester, M1 4LF Phone: 0800 195 4141 Email: planrequest@enwl.co.uk Scales on A4 paper: 1:1250 Area dig site 1:500 Line dig site 1:250 Point dig site
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