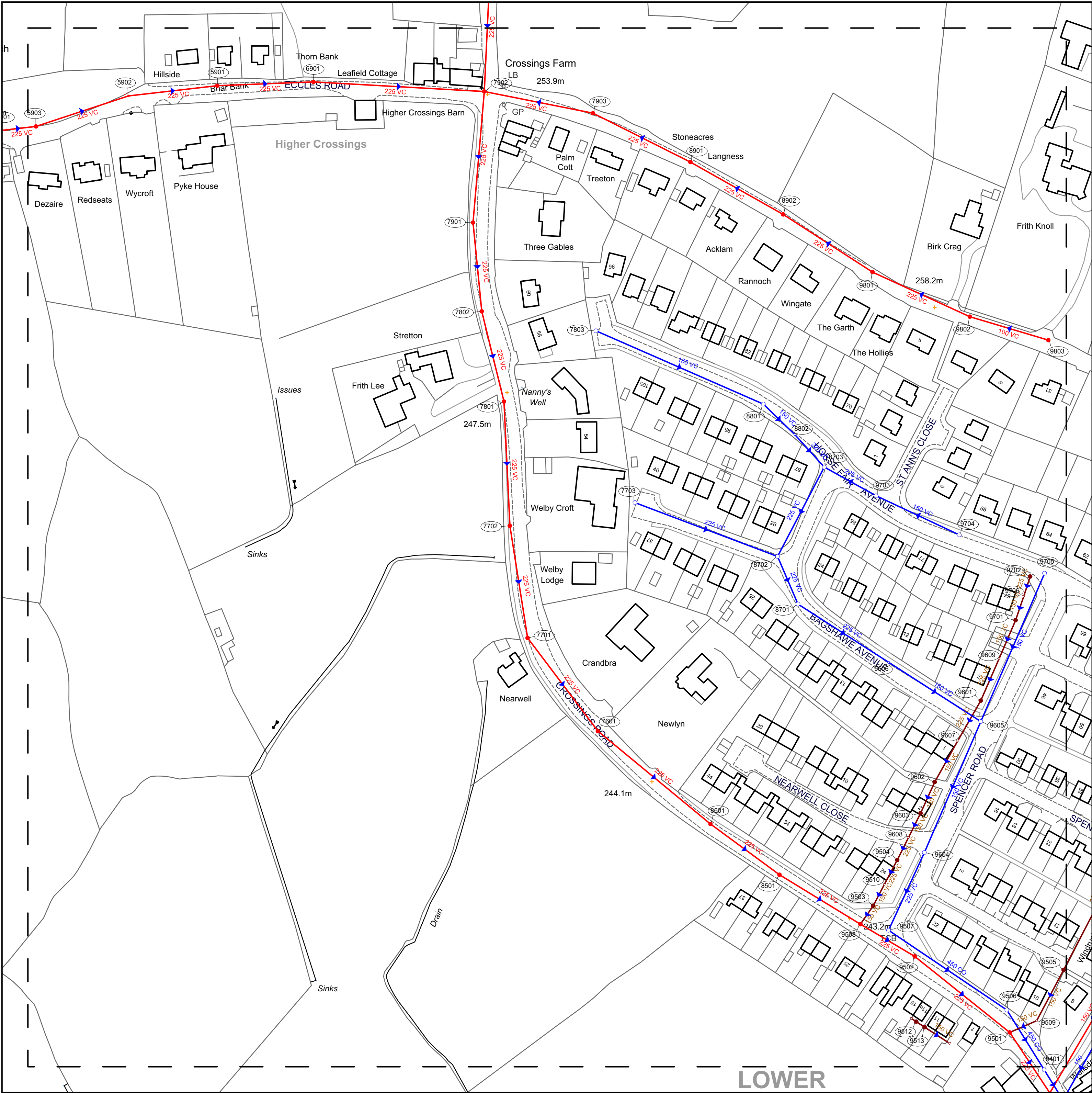
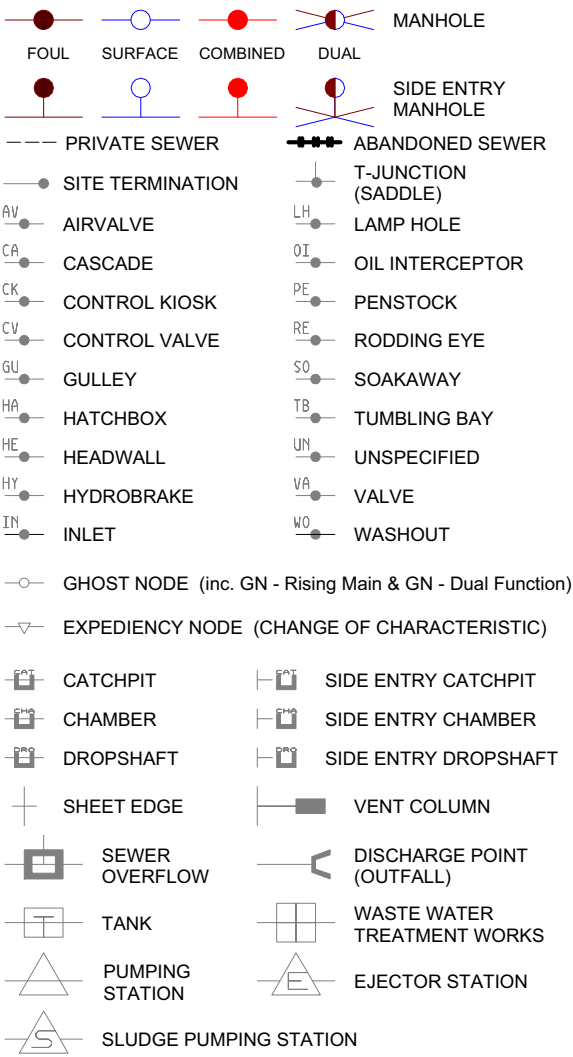




WASTE WATER SYMBOLOLOGY



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

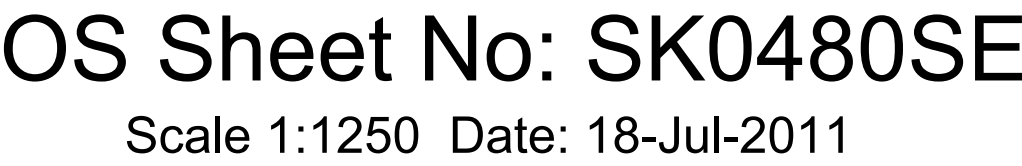
NODE TABLE ABBREVIATIONS

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 Lamphole	Y Gully
H Hatchbox	E Ejector
R Rodding Eye	O Oil Injector
F Outfall	I Inlet
V Combined Sewer	B Hydrobrake
Overflow	T Vent Column
P Pumping Station	X Valve
S Soakaway	U Unspecified
D Dual Function	Q Expediency Node
Manhole	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 Polythene	
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	

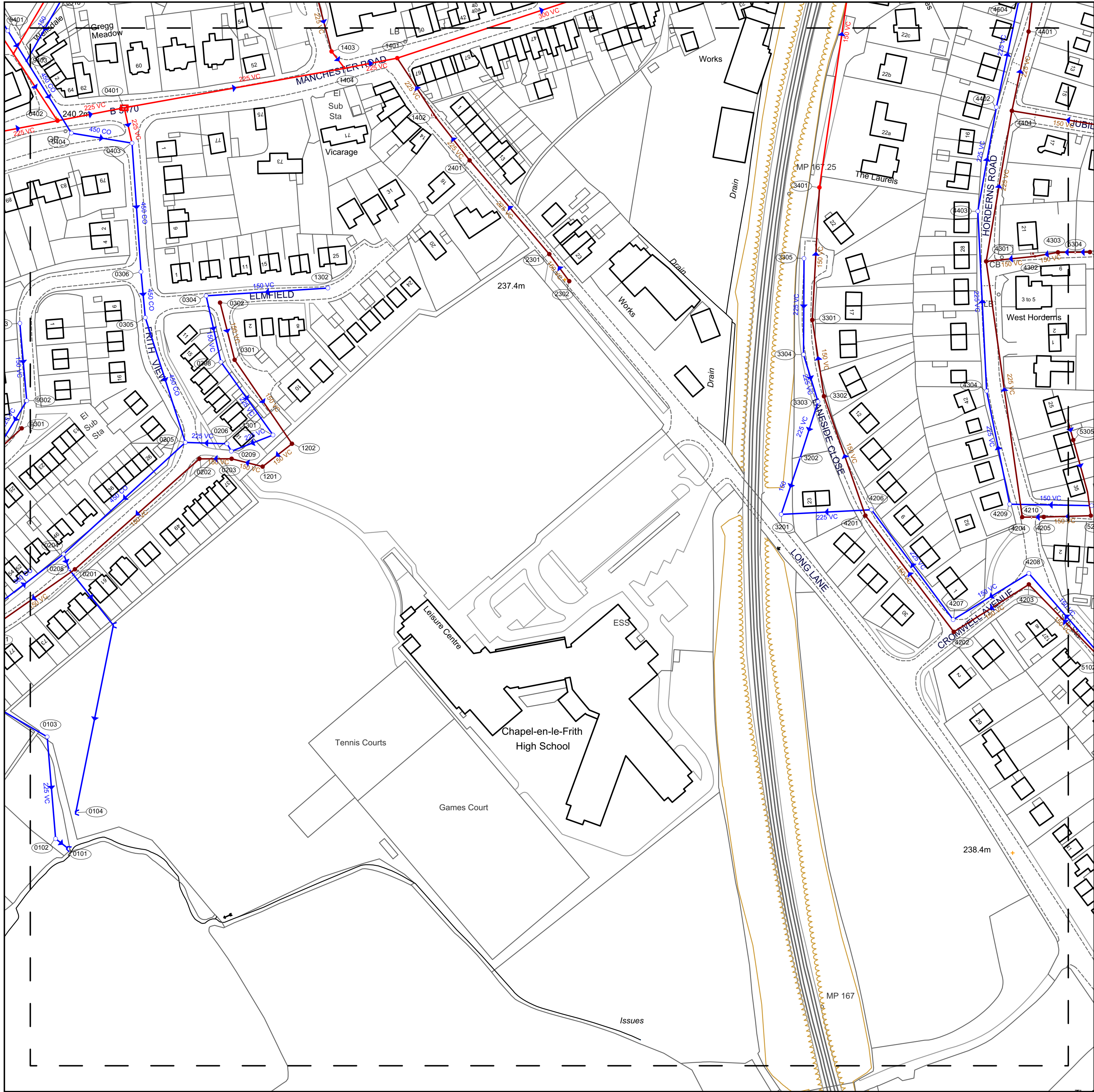
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Scale 1:1250 Date: 18-Jul-2011
55 Nodes
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SEWER RECOR



Refno	Cover	Func	Type	Invert	Size.x	Size.y	Shape	Matl	Grad	Length
0101		S	F					C	VC	14 7.21
0102	233.18	S	M	231.85	225			C	VC	53 49.26
0103	234.18	S	M	232.84	225			C	VC	
0104		S	F					C	VC	
0200		F	F		450			CO		92.05
0201	235.03	F	M	233.93	150			C	VC	162 48.7
0202	236.07	F	M	234.55	150			C	VC	125 80.15
0203	236.11	F	M	234.69	150			C	VC	173 15.63
0204	235.04	S	M	233.28	450			C	CO	7.87
0205		S	M		450			C	CO	79.55
0206	236.16	S	M	234.38	225			C	VC	20.07
0208		S	G		450			CO		34.22
0209	236.15	S	M	234.44	225			C	VC	415 4.15
0301	236.54	F	M	235.17	150			C	VC	233 48.96
0302	237.2	F	M	235.6	150			C	VC	66 28.4
0304	237.15	S	M	235.65	150			C	VC	46 32.65
0305	237.3	S	M	235.33	450			C	CO	63.11
0306		S	M		450			C	CO	22.19
0306	236.46	S	M	234.91	225			C	VC	43.2
0401		F	V	239.9	225			C	VC	107.79
0401		F	V		225			C	VC	17.42
0402	240.19	C	M	237.94	225			C	VC	84 32.74
0403	239.2	S	M	237.56	450			C	CO	62.14
0404	240.04	S	M	238.56	450			C	CO	31 29.6
1201	236.06	F	M	234.78	150			C	VC	256 15.39
1202	236.25	F	M	234.95	150			C	VC	138 17.92
1301		S	M		225			C	VC	21.52
1302	237.45	S	M	236.16	150			C	VC	115 58.71
1401	239.43	C	M	235.99	300			C	VC	210 146.84
1402		F	L		225			C	VC	136 34.12
1403	239.42	C	M	236.97	225			C	VC	10.26
1404		C	J		225			C	VC	25.82
2301	237.66	F	M	236.64	225			C	VC	269 59.27
2302	237.57	F	M	237.04	150			C	VC	40 16.19
2401	238.22	F	M	236.42	225			C	VC	292 26.26
3201		S	M							
3202		S	Q	118.15	150			C	VC	28.71
3301	237.77	F	M	236.33	150			C	VC	118 63.91
3302	238	F	M	236.68	150			C	VC	106 37.2
3303	237.97	S	M	236.47	225			C	VC	28.34
3304	237.75	S	M	236.7	225			C	VC	108 23.8
3305	237.62	S	M	236.86	225			C	VC	308 46.24
3401	237.56	C	M	235.76	150			C	VC	149.55
4201	238.46	F	M	237.02	150			C	VC	179 60.82
4202	239.04	F	M	237.78	150			C	VC	93 70.31
4203	239.65	F	M	238.18	150			C	VC	148 42.79
4204	241.05	F	M	239.09	225			C	VC	88 124.38
4205	241.21	F	M	239.31	150			C	VC	98 5.89
4206	238.4	S	M	236.97	225			C	VC	43.53
4207	238.97	S	M	237.74	225			C	VC	88 65.93
4208	240.63	S	M	238.58	150			C	VC	65 42.75
4209	240.96	S	M	239.98	225			C	VC	91 55.61
4210		F	Q	239.25	225			C	VC	4.46
4301	240	F	M	237.67	225			C	VC	40 73.56
4302		F	L	238.05	150			C	VC	62 23.68
4303	241.37	F	M	238.94	150			C	VC	13 11.21
4304	240.85	S	M	239.54	225			C	VC	61 86.7
4401	236.57	F	M	234.66	225			C	VC	25 68.01
4402	237.59	S	M	236.56	225			C	VC	31 52.06
4403	238.93	S	M	237.91	225			C	VC	38 50.92
4404	237.78	F	M	235.8	225			C	VC	34 39.02
5300		F	Q		150			VC		9.71

WASTE WATER SYMBOLOLOGY

FOUL SURFACE COMBINED DUAL MANHOLE

PRIVATE SEWER ABANDONED SEWER

SITE TERMINATION T-JUNCTION (SADDLE)

AIRVALVE CASCAD

CONTROL VALVE CONTROL VALVE

GULLY HATCHBOX

HEADWALL HYDROBRAKE

INLET

GHOSH NODE (inc. GN - Rising Main & GN - Dual Function)

EXPEDENCY NODE (CHANGE OF CHARACTERISTIC)

CATCHPIT CHAMBER DROP SHAFT SHEET EDGE SEWER OVERFLOW TANK PUMPING STATION SLUDGE PUMPING STATION

SIDE ENTRY MANHOLE SIDE ENTRY CHAMBER SIDE ENTRY DROP SHAFT VENT COLUMN DISCHARGE POINT (OUTFALL) WASTE WATER TREATMENT WORKS EJECTOR STATION

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

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Manhole G Ghost

W Treatment Works (to allow pipe bends)

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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 Polythene

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: SK0580SW

Scale 1:1250 Date: 18-Jul-2011

62 Nodes

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