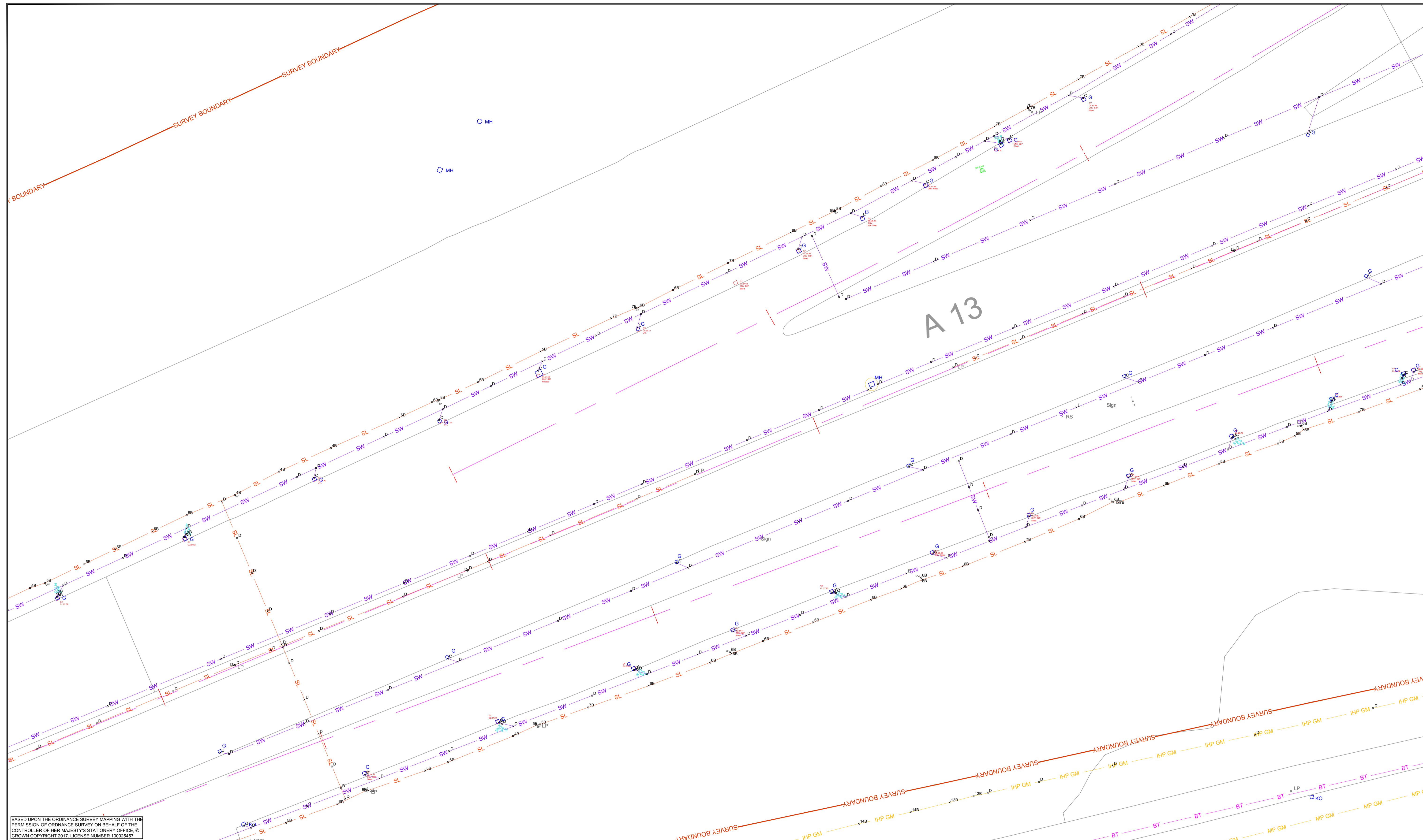


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LEGEND	
HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LOW VOLTAGE
???	UNKNOWN
ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FOUL MAIN - ANGLIAN WATER
S	FOUL - DOMESTIC
BP SM	FOUL RISING MAIN - BRITISH PETROLEUM
SW	STORM WATER

PAS 128 LEGEND	
D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability	UTILITES MODEL	Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
		Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Client		Drawing Number	A13_UT_01_250
		Project	
Original Size: A1	Scale: 1 : 250	Project Ref. No: 10001558	Sheet 01 of 30
		Rev: R01	




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LEGEND	
HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LOW VOLTAGE
???	UNKNOWN
ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FOUL MAIN - ANGLIAN WATER
S	FOUL - DOMESTIC
BP SM	FOUL RISING MAIN - BRITISH PETROLEUM
SW	STORM WATER

PAS 128 LEGEND	
D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

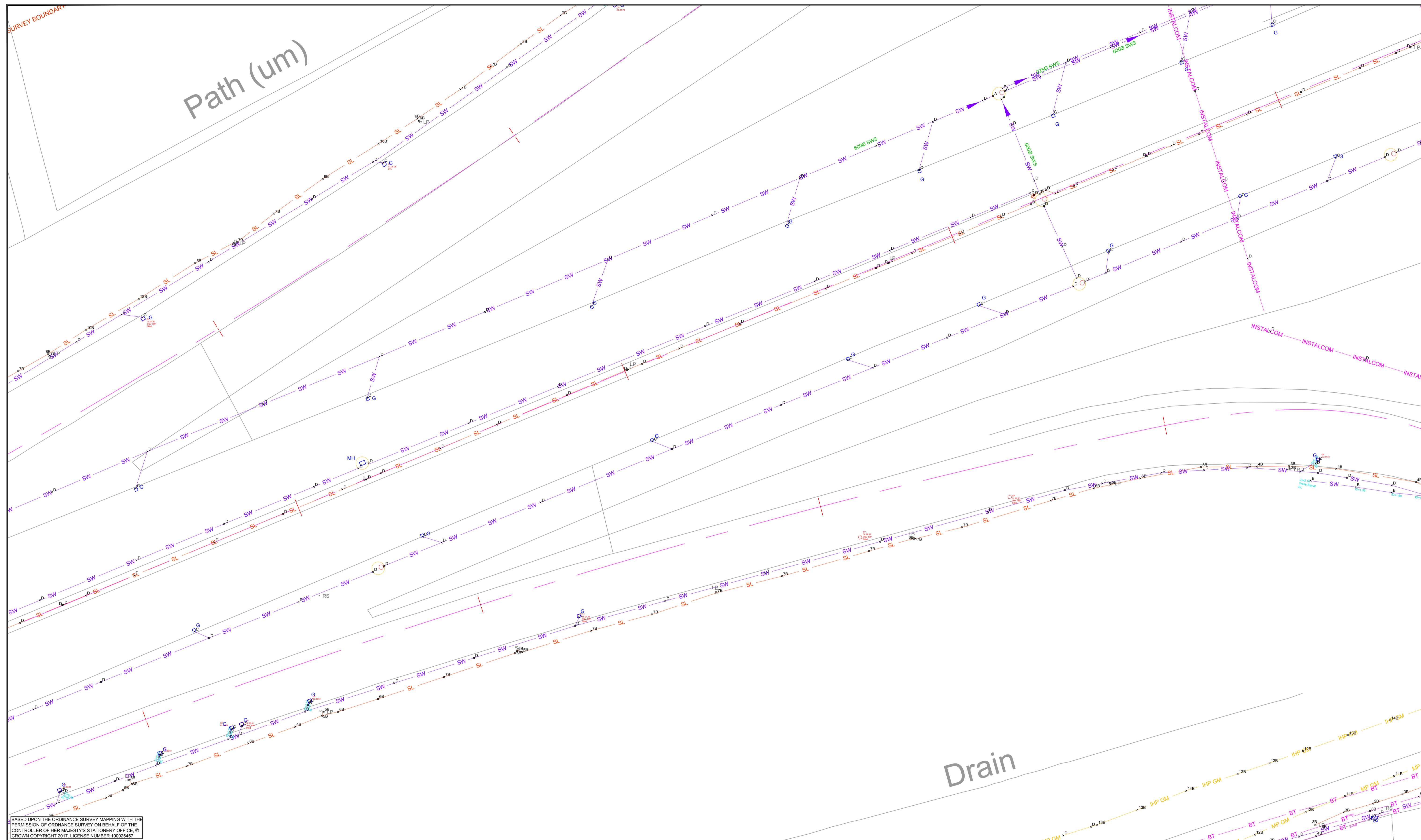
UTILITES MODEL



Client



Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)				
Drawing Title	UTILITIES EXISTING AND DIVERSIONS				
Drawing Number	A13_UT_02_250				
Original Size	A1	Scale	1 : 250	Project Ref. No.	10001558
				Sheet	02 of 30
				Rev.	R01

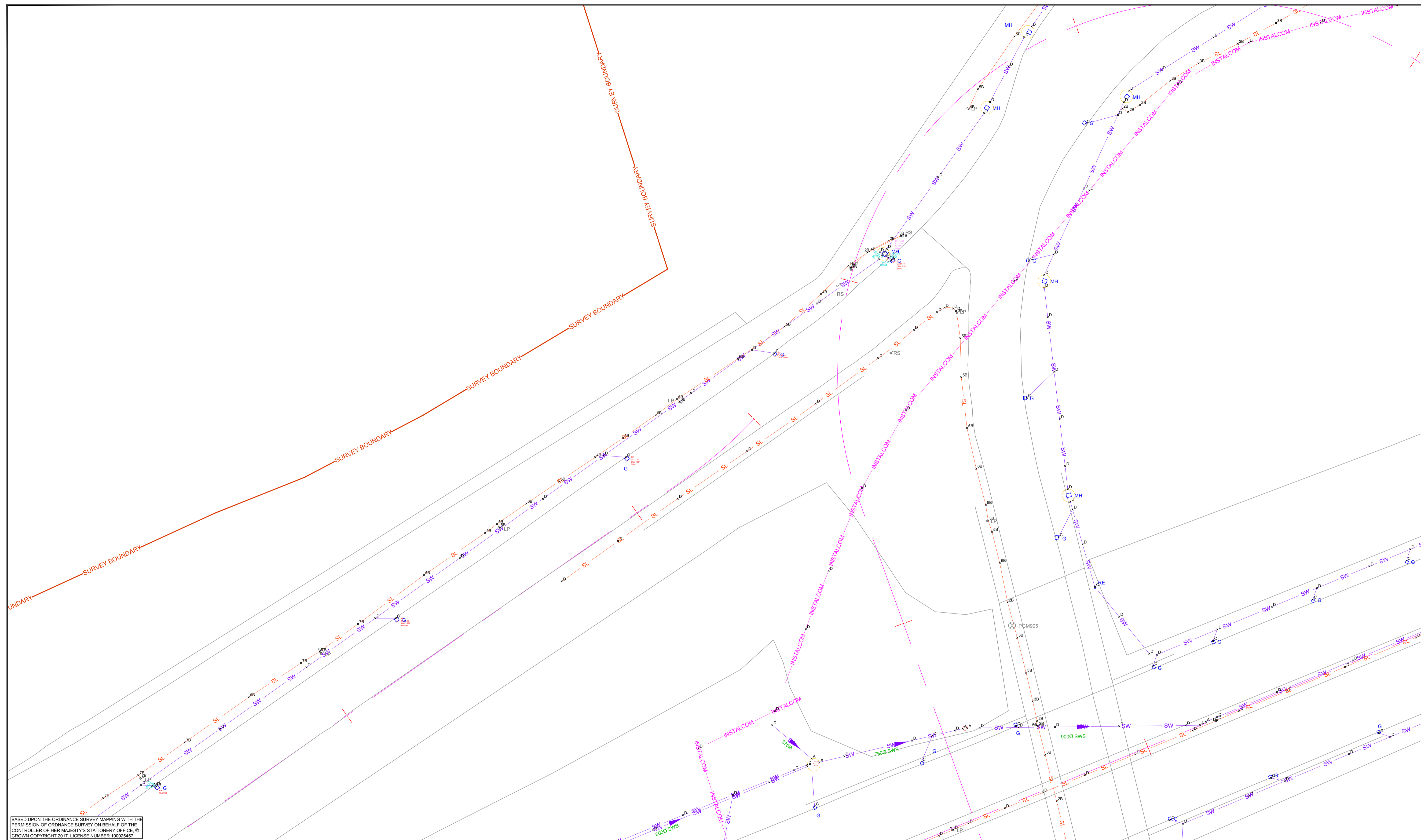


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LEGEND	
HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LOW VOLTAGE
???	UNKNOWN
ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FUUL MAIN - ANGLIAN WATER
S	FUUL - DOMESTIC
BP SM	FUUL RISING MAIN - BRITISH PETROLEUM
SW	STDRM WATER

PAS 128 LEGEND	
D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability <b>UTILITES MODEL</b>	Project Title <b>A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)</b>
	Drawing Title <b>UTILITIES EXISTING AND DIVERSIONS</b>
Client 	Drawing Number <b>A13_UT_03_250</b>
Original Size: <b>A1</b>	Scale: 1 : 250 Project Ref. No: 10001558 Sheet 03 of 30 Rev: <b>R01</b>




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LEGEND	
— HP GM —	HIGH PRESSURE GAS MAIN - NATIONAL GRID
— IHP GM —	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
— MP GM —	MEDIUM PRESSURE GAS MAIN - TRIID
— LP GM —	LOW PRESSURE GAS MAIN - TRIID
— GAS —	GAS - DOMESTIC
— UKPN —	UKPN
— UKPN OH —	UKPN OVERHEADS
— SL —	STREET LIGHTING
— TS —	TRAFFIC SIGNALS
— LV —	LDW VOLTAGE
— ??? —	UNKNOWN
— ESW WM —	WATER MAIN - ESSEX AND SUFFOLK WATER
— W —	WATER - DOMESTIC
— BT —	BRITISH TELECOMMUNICATION
— BT OH —	BT - OVERHEADS
— INSTALCOM —	INSTALCOM / KPN / INTERDUTE / VERIZON
— V - M —	VIRGIN MEDIA
— COMMS —	OTHER COMMS
— AW SM —	FOUL MAIN - ANGLIAN WATER
— S —	FOUL - DOMESTIC
— BP SM —	FOUL RISING MAIN - BRITISH PETROLEUM
— SW —	STDRM WATER


PAS 128 LEGEND	
× D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
× C	CLASS C - FEATURE FOUND ON THE SURFACE
× 7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
× 5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability

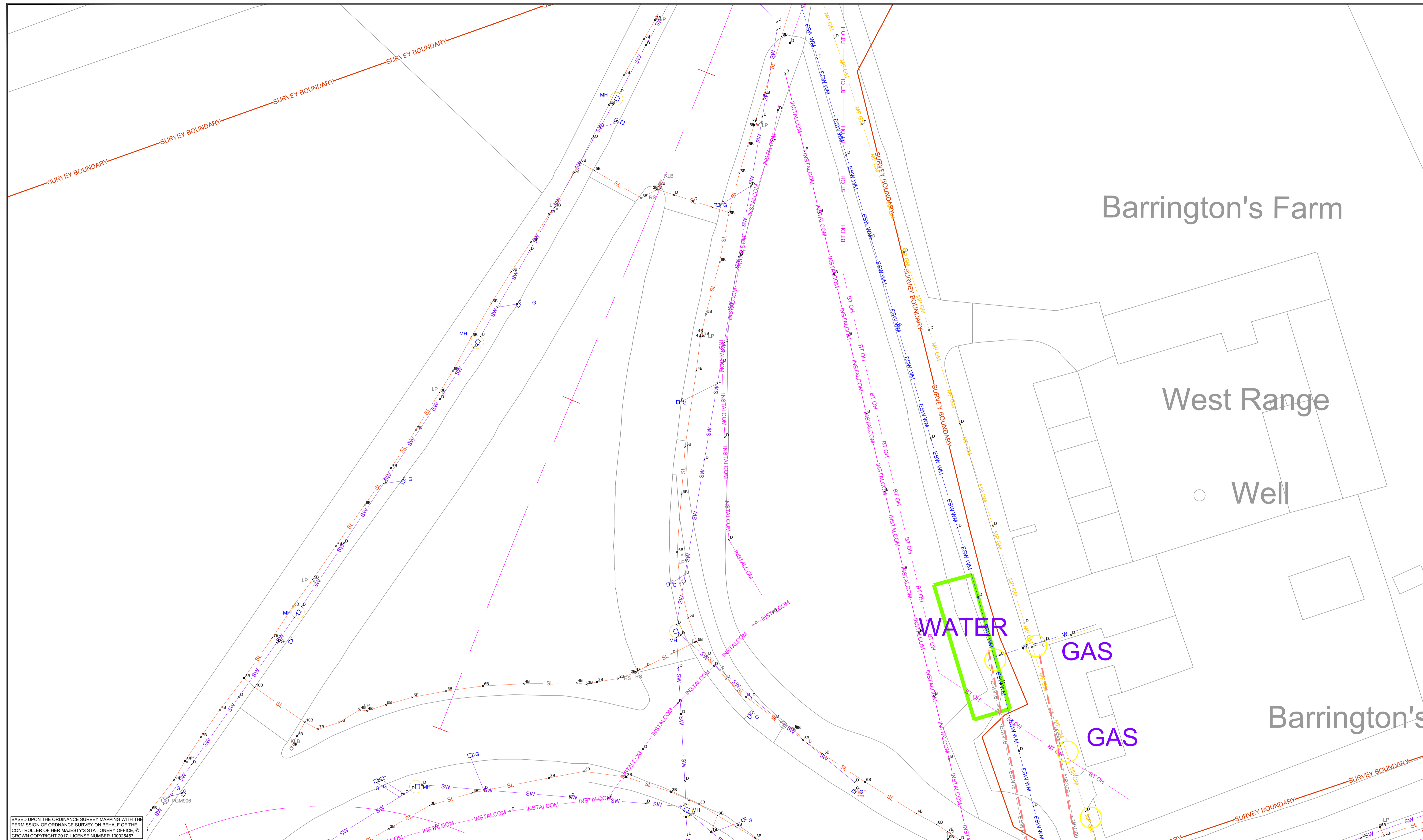
UTILITES MODEL



Client



Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number Project	A13_UT_04_250
Original Size: A1	Scale: 1 : 250
Project Ref. No. 10001558	Sheet 04 of 30
Rev: R01	



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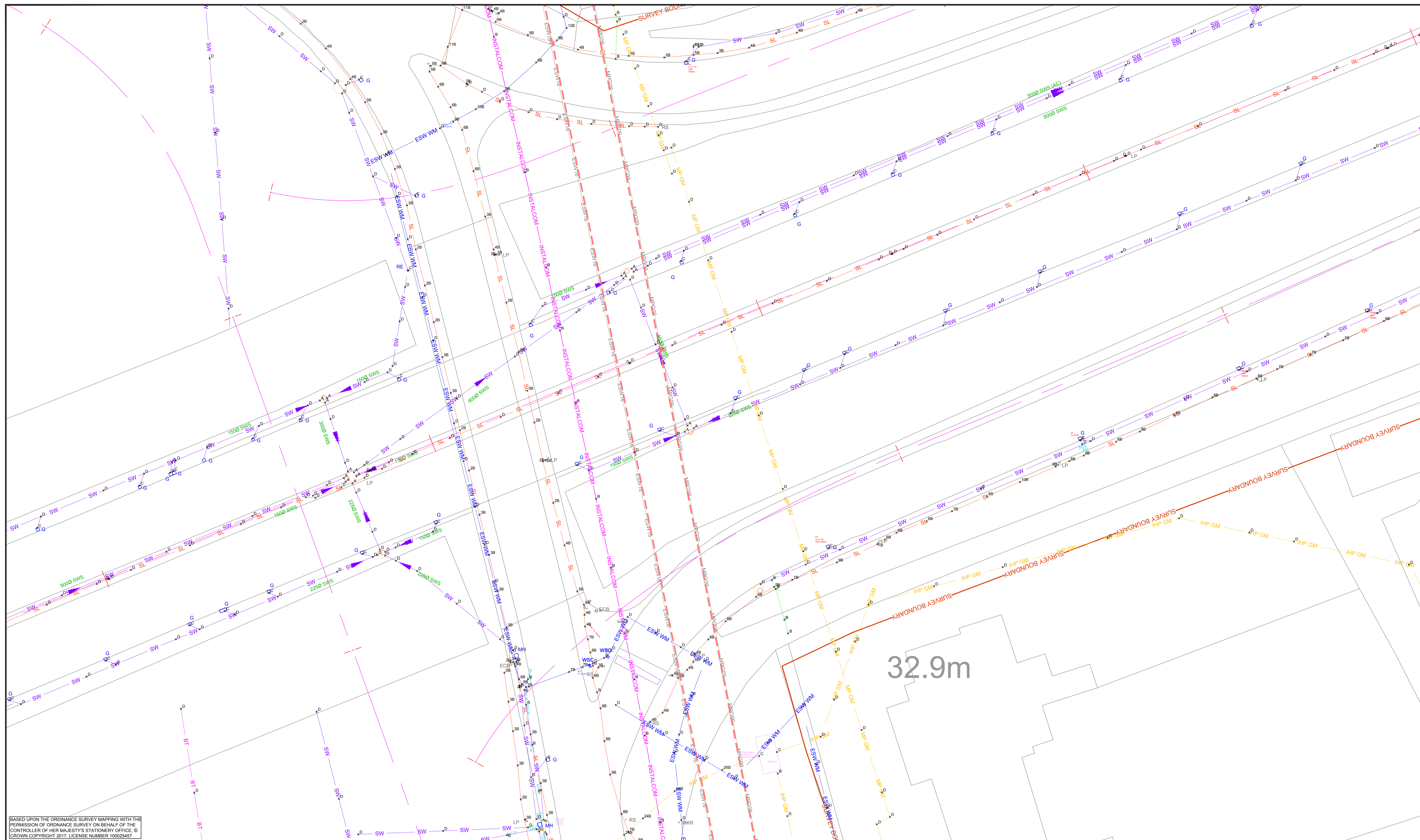
LEGEND	
HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LDW VOLTAGE
???	UNKNOWN
ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FUUL MAIN - ANGLIAN WATER
S	FUUL - DOMESTIC
BP SM	FUUL RISING MAIN - BRITISH PETROLEUM
SW	STDRM WATER

PAS 128 LEGEND	
D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

UTILITES MODEL

Client

Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number Project	A13_UT_05_250
Original Size	A1
Scale	1 : 250
Project Ref. No.	10001558
Sheet	05 of 30
Rev.	R01




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LEGEND	
HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LOW VOLTAGE
???	UNKNOWN
ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FUUL MAIN - ANGLIAN WATER
S	FUUL - DOMESTIC
BP SM	FUUL RISING MAIN - BRITISH PETROLEUM
SW	STDRM WATER


PAS 128 LEGEND	
D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability

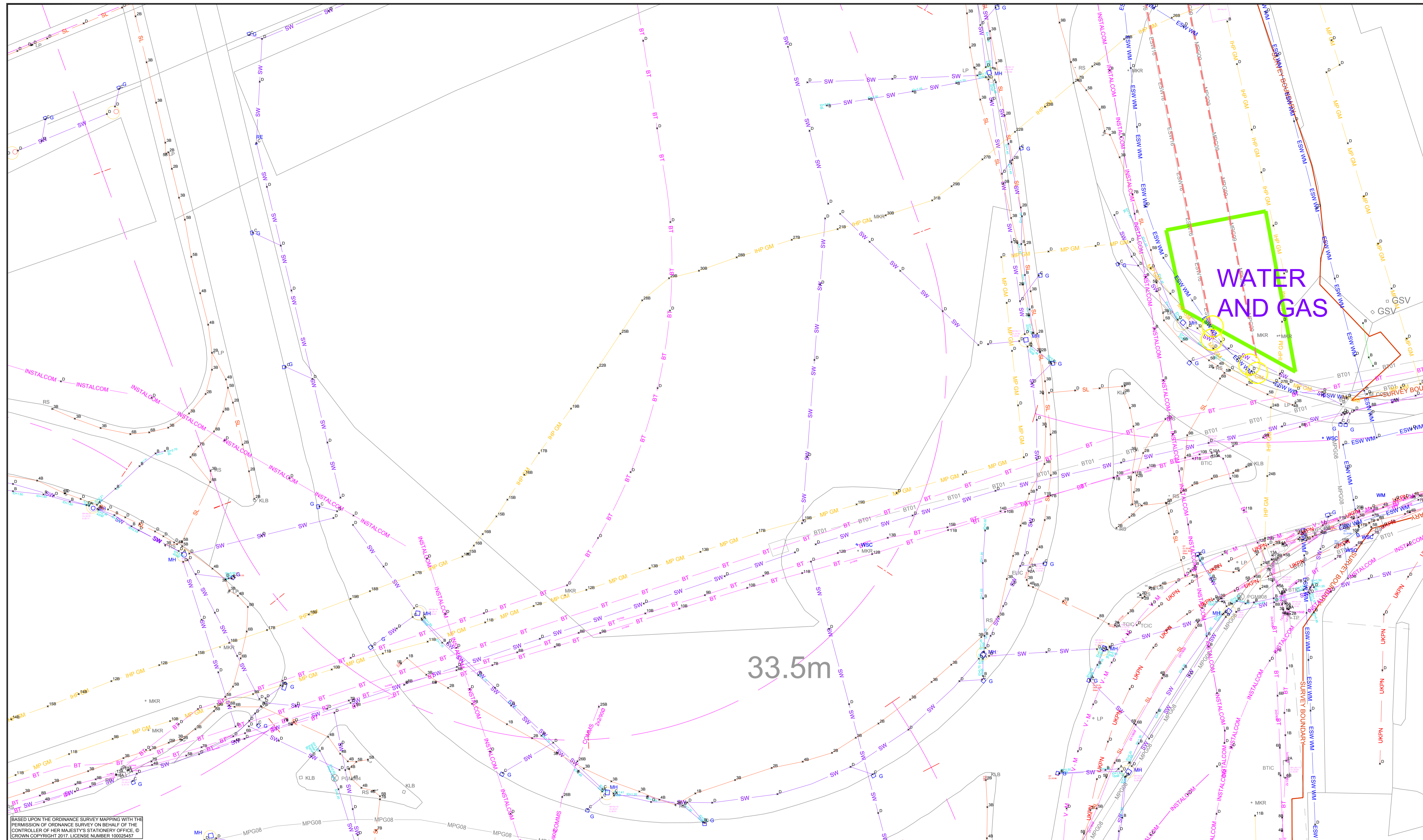
UTILITES MODEL



Client



Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number Project	A13_UT_06_250
Original Size	A1
Scale	1 : 250
Project Ref. No.	10001558
Sheet	06 of 30
Rev.	R01



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LEGEND	
IHP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LOW VOLTAGE
???	UNKNOWN
ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FUUL MAIN - ANGLIAN WATER
S	FUUL - DOMESTIC
BP SM	FUUL RISING MAIN - BRITISH PETROLEUM
SW	STDRM WATER

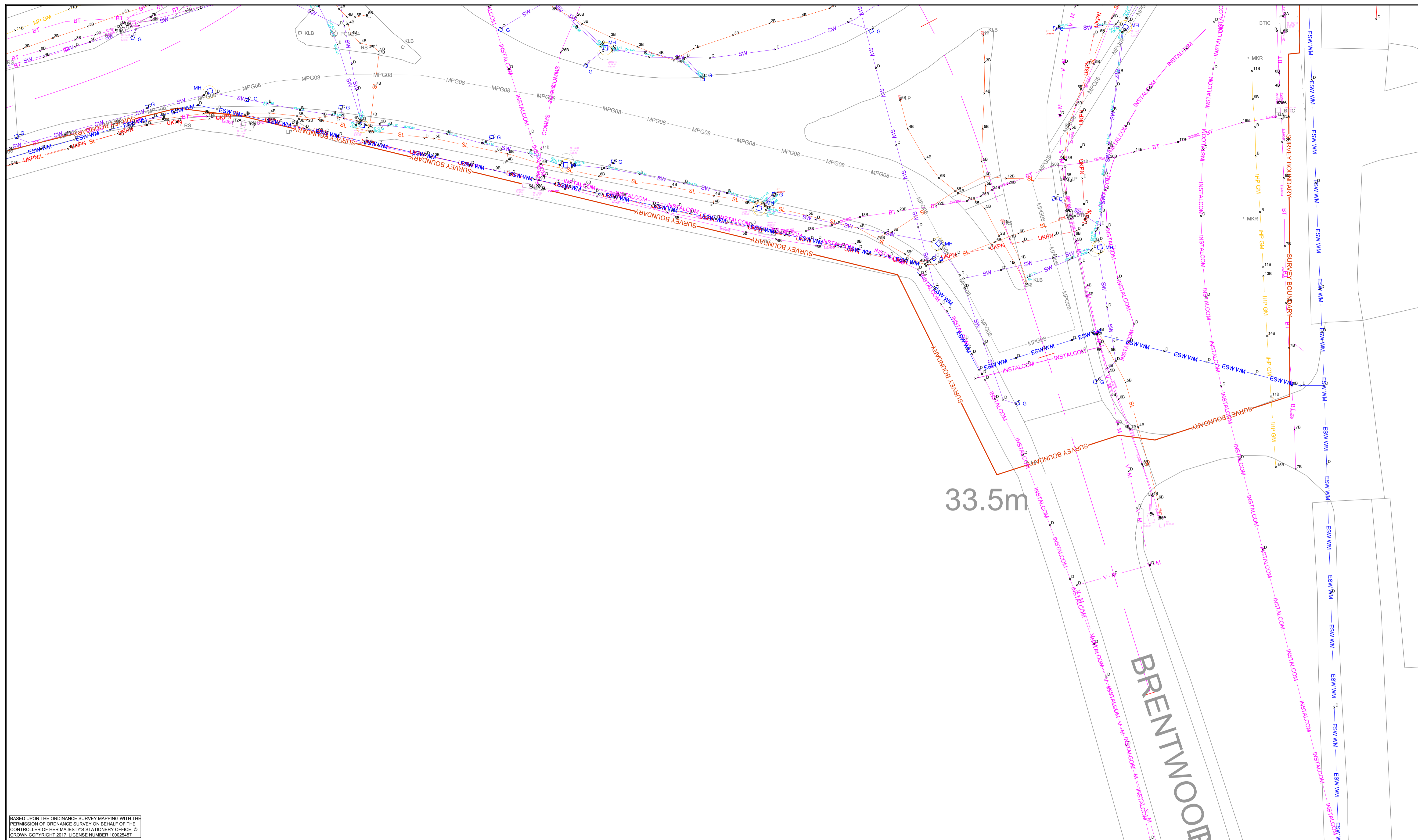
PAS 128 LEGEND	
D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability

UTILITES MODEL

Client

Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number	A13_UT_07_250
Original Size	A1
Scale	1 : 250
Project Ref. No.	10001558
Sheet	07 of 30
Rev.	R01




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LEGEND	
HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LOW VOLTAGE
???	UNKNOWN
ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FOUL MAIN - ANGLIAN WATER
S	FOUL - DOMESTIC
BP SM	FOUL RISING MAIN - BRITISH PETROLEUM
SW	STDRM WATER


PAS 128 LEGEND	
D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability

UTILITES MODEL

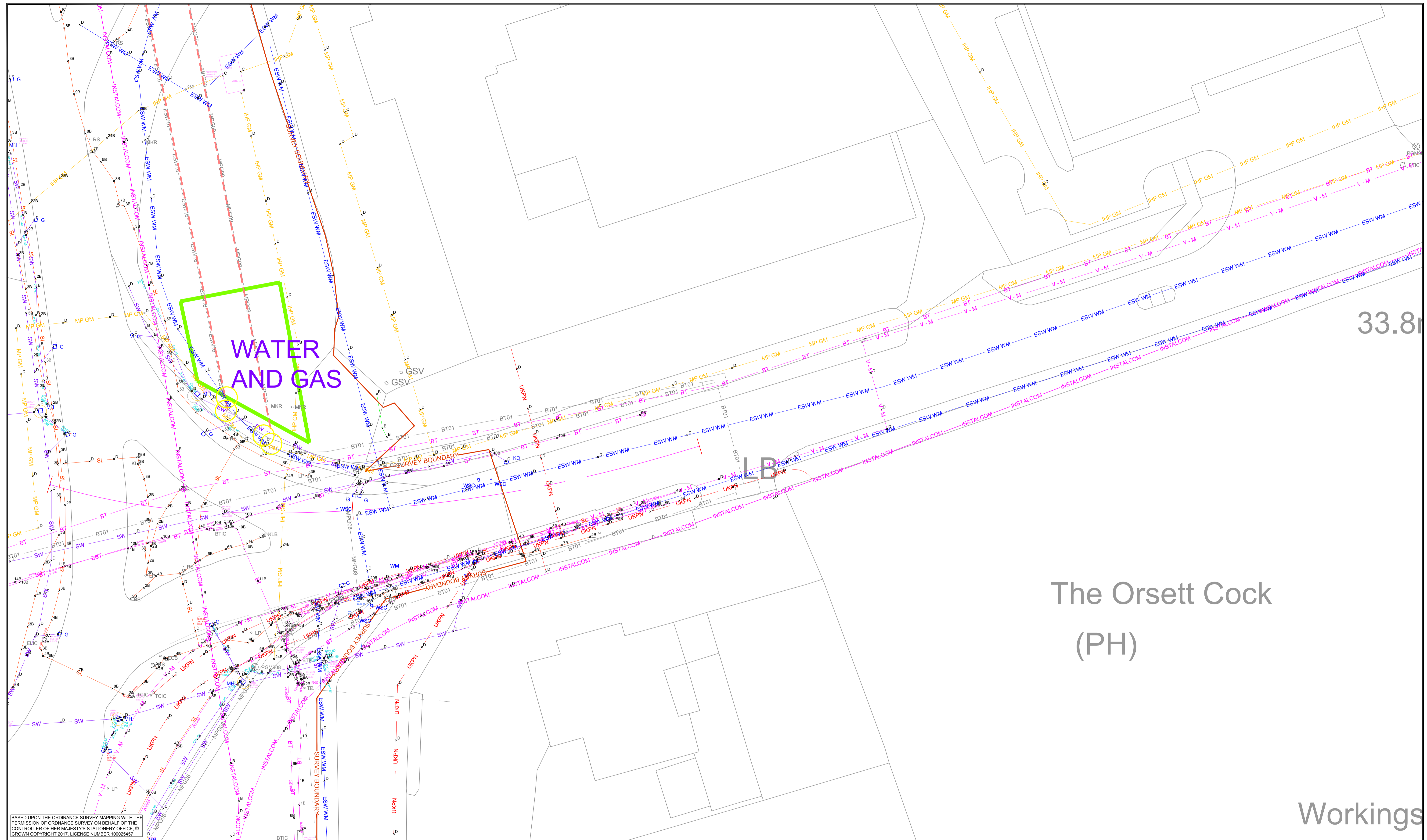


Client



Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number Project	A13_UT_08_250
Original Size	A1
Scale	1 : 250
Project Ref. No.	10001558
Sheet	08 of 30
Rev.	R01





33.8m

# The Orsett Cock (PH)

## Workings

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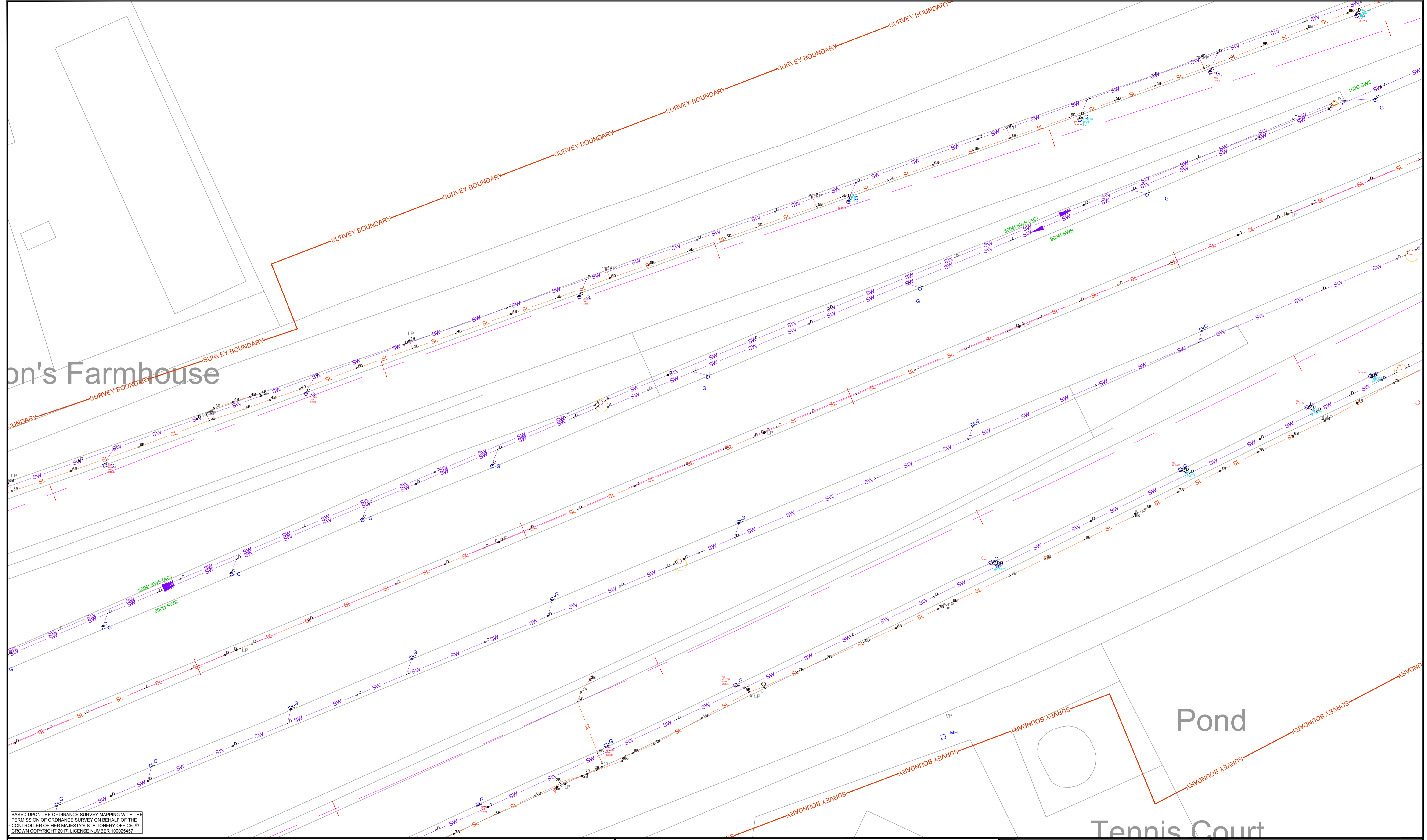
### LEGEND

HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID	ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT	W	WATER - DOMESTIC
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID	BT	BRITISH TELECOMMUNICATION
LP GM	LOW PRESSURE GAS MAIN - TRIID	BT OH	BT - OVERHEADS
GAS	GAS - DOMESTIC	INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
UKPN	UKPN	V - M	VIRGIN MEDIA
UKPN OH	UKPN OVERHEADS	COMMS	OTHER COMMS
SL	STREET LIGHTING	AW SM	FUUL MAIN - ANGLIAN WATER
TS	TRAFFIC SIGNALS	S	FUUL - DOMESTIC
LV	LDW VOLTAGE	BP SM	FUUL RISING MAIN - BRITISH PETROLEUM
???	UNKNOWN	SW	STDRM WATER

### PAS 128 LEGEND

D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability	UTILITES MODEL	Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
		Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Client		Drawing Number Project	A13_UT_09_250
Original Size: A1	Scale: 1 : 250	Project Ref. No. 10001558	Sheet 09 of 30 Rev: R01




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LEGEND	
HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LOW VOLTAGE
???	UNKNOWN
EWS WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FOUL MAIN - ANGLIAN WATER
S	FOUL - DOMESTIC
BP SM	FOUL RISING MAIN - BRITISH PETROLEUM
SW	STDRM WATER


PAS 128 LEGEND	
D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability

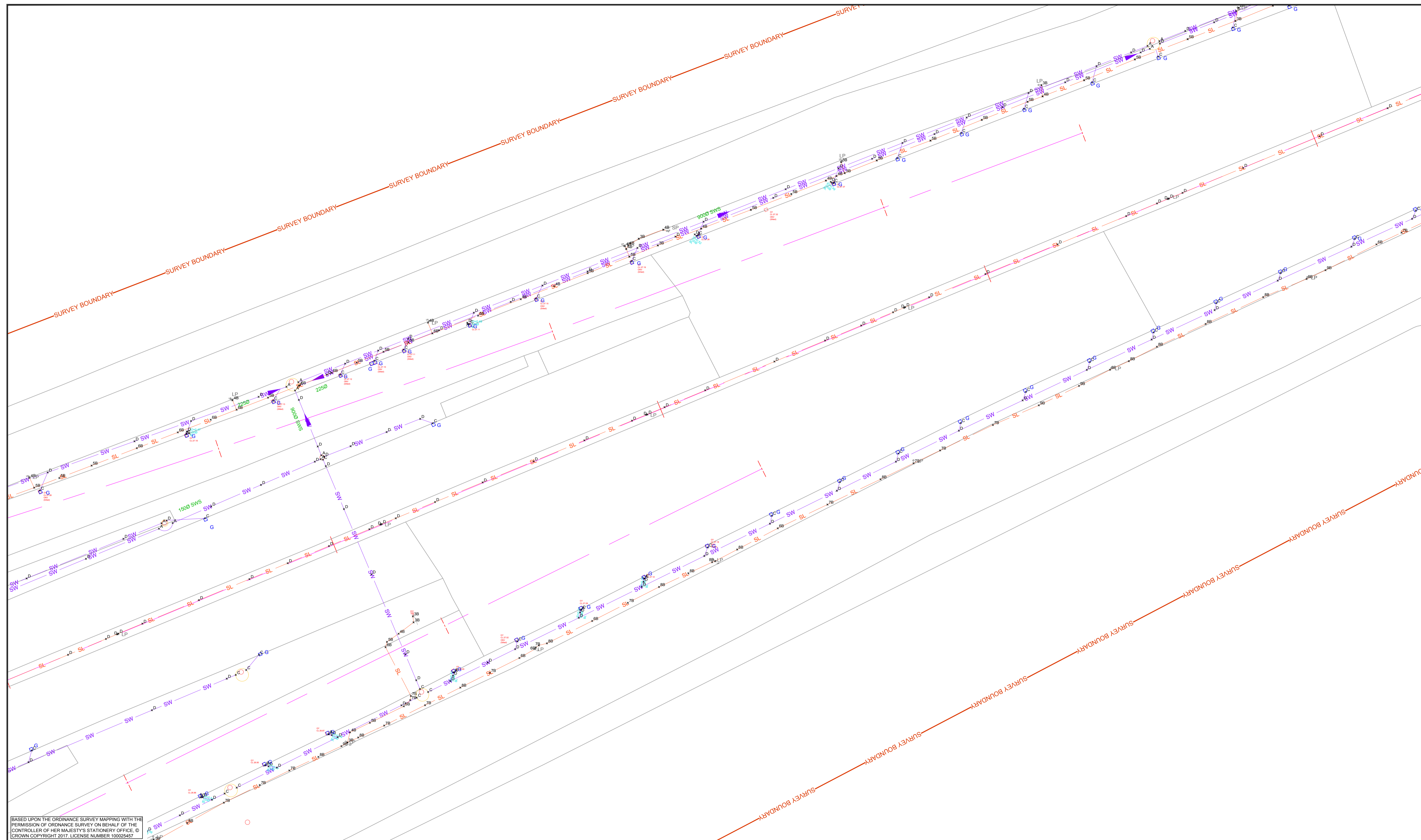
UTILITES MODEL



Client



Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number Project	A13_UT_10_250
Original Size: A1	Scale: 1 : 250
Project Ref. No. 10001558	Sheet 10 of 30
Rev. R01	



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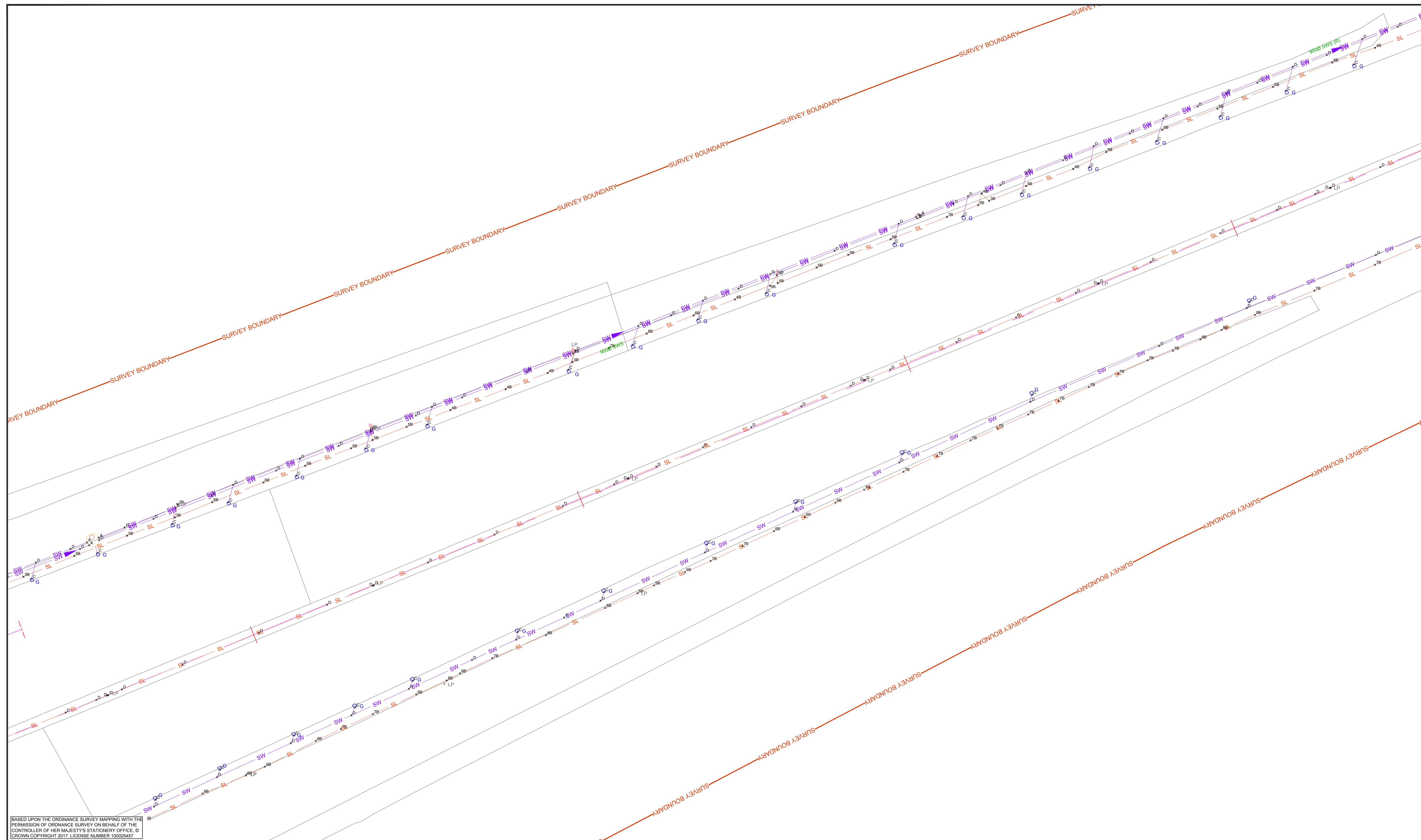
**LEGEND**

- |             |  |               |                                       |
|-------------|--|---------------|---------------------------------------|
| — HP GM —   | HIGH PRESSURE GAS MAIN - NATIONAL GRID       | — ESW WM —    | WATER MAIN - ESSEX AND SUFFOLK WATER  |
| — IHP GM —  | HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT | — W —         | WATER - DOMESTIC                      |
| — MP GM —   | MEDIUM PRESSURE GAS MAIN - TRIID             | — BT —        | BRITISH TELECOMMUNICATION             |
| — LP GM —   | LOW PRESSURE GAS MAIN - TRIID                | — BT OH —     | BT - OVERHEADS                        |
| — GAS —     | GAS - DOMESTIC                               | — INSTALCOM — | INSTALCOM / KPN / INTERDUTE / VERIZON |
| — UKPN —    | UKPN   | — V - M —     | VIRGIN MEDIA                          |
| — UKPN OH — | UKPN OVERHEADS                               | — COMMS —     | OTHER COMMS                           |
| — SL —      | STREET LIGHTING                              | — AW SM —     | FUUL MAIN - ANGLIAN WATER             |
| — TS —      | TRAFFIC SIGNALS                              | — S —         | FUUL - DOMESTIC                       |
| — LV —      | LOW VOLTAGE                                  | — BP SM —     | FUUL RISING MAIN - BRITISH PETROLEUM  |
| — ??? —     | UNKNOWN                                      | — SW —        | STDRM WATER                           |

**PAS 128 LEGEND**

- |      |  |
|------|--|
| × D  | CLASS D - DESKTOP STUDY OR ASSUMED LOCATION  |
| × C  | CLASS C - FEATURE FOUND ON THE SURFACE   |
| × 7B | CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES<br>*7B* = 7 * 100mm TO TOP OF UTILITY               |
| × 5A | CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS<br>PIT / MANHOLE<br>*5A* = 5 * 100mm TO TOP OF UTILITY |

Drawing Suitability <b>UTILITES MODEL</b>	Project Title <b>A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)</b>
	Drawing Title <b>UTILITIES EXISTING AND DIVERSIONS</b>
Client 	Drawing Number <b>A13_UT_11_250</b>
Original Size: <b>A1</b>	Scale: 1 : 250
Project Ref. No. 10001558	Sheet 11 of 30
Rev: <b>R01</b>	



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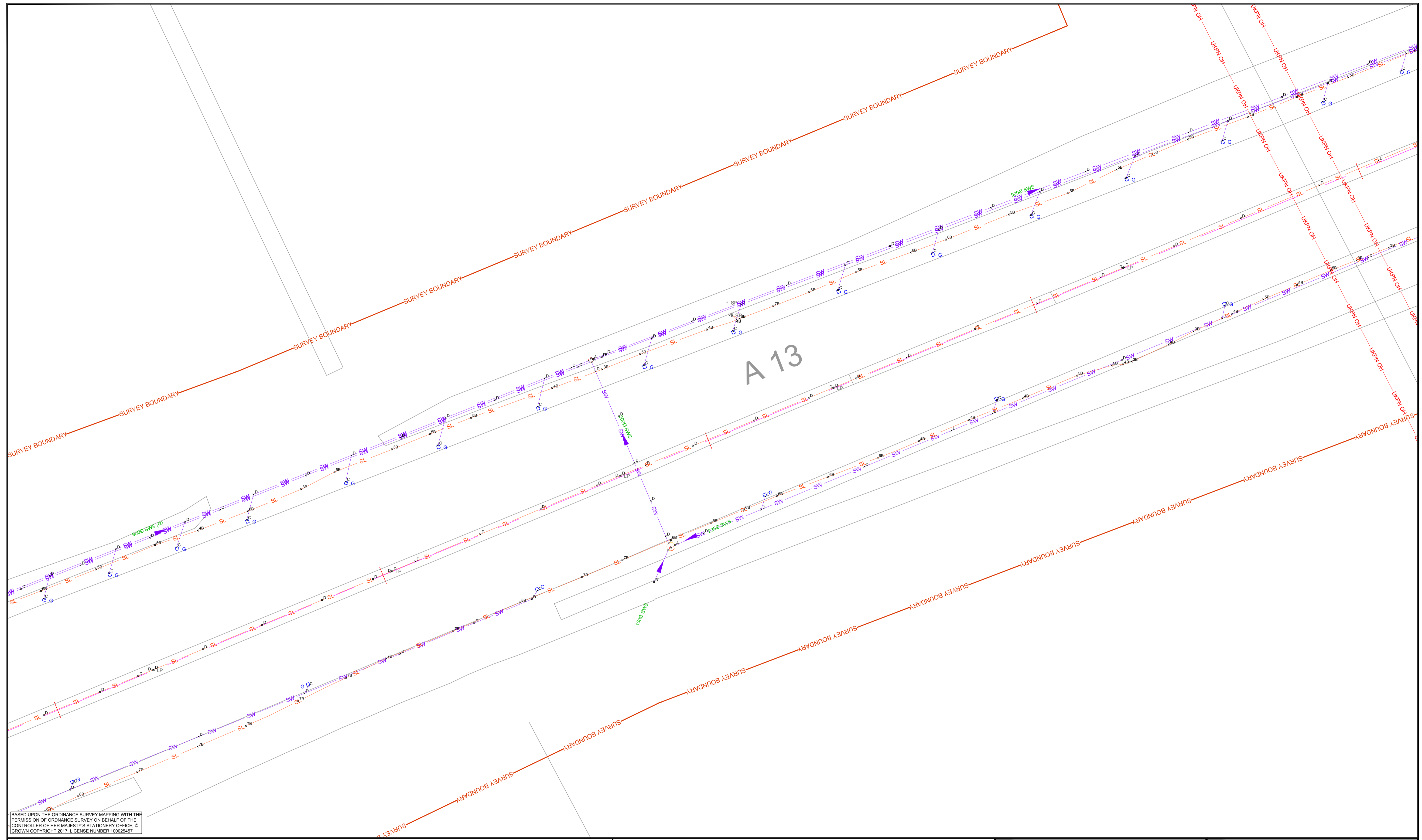
**LEGEND**

	HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID		ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
	IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT		W	WATER - DOMESTIC
	MP GM	MEDIUM PRESSURE GAS MAIN - TRIID		BT	BRITISH TELECOMMUNICATION
	LP GM	LOW PRESSURE GAS MAIN - TRIID		BT OH	BT - OVERHEADS
	GAS	GAS - DOMESTIC		INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
	UKPN	UKPN		V - M	VIRGIN MEDIA
	UKPN OH	UKPN OVERHEADS		COMMS	OTHER COMMS
	SL	STREET LIGHTING		AW SM	FOUL MAIN - ANGLIAN WATER
	TS	TRAFFIC SIGNALS		S	FOUL - DOMESTIC
	LV	LOW VOLTAGE		BP SM	FOUL RISING MAIN - BRITISH PETROLEUM
	???	UNKNOWN		SW	STDRM WATER

**PAS 128 LEGEND**

	CLASS D	- DESKTOP STUDY OR ASSUMED LOCATION
	CLASS C	- FEATURE FOUND ON THE SURFACE
	CLASS B	- UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
	CLASS A	- UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability	UTILITES MODEL	Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
		Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Client		Drawing Number	A13_UT_12_250
		Project	
Original Size: A1	Scale: 1 : 250	Project Ref. No: 10001558	Sheet: 12 of 30
			Rev: R01



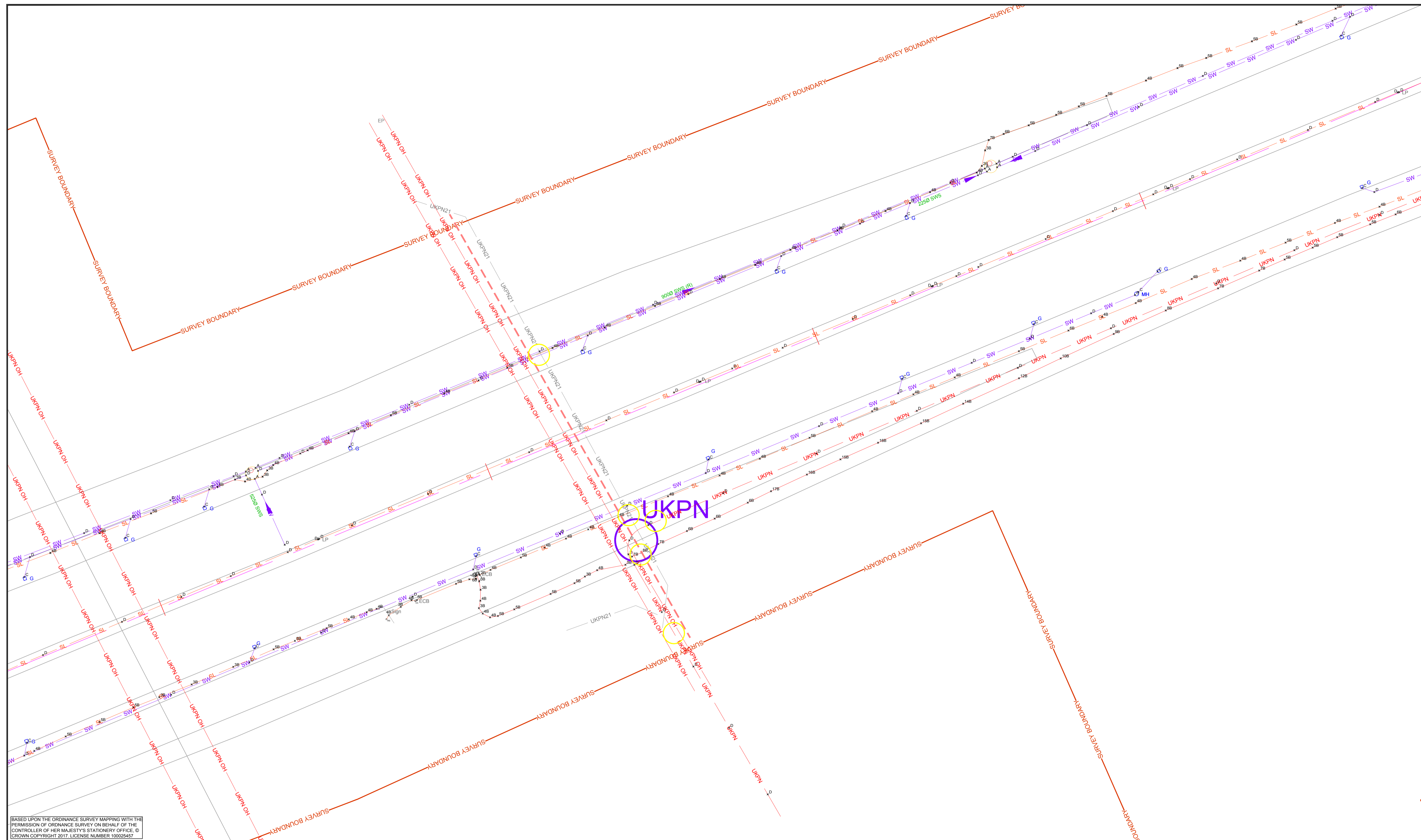
A 13

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LEGEND	
— HP GM —	HIGH PRESSURE GAS MAIN - NATIONAL GRID
— IHP GM —	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
— MP GM —	MEDIUM PRESSURE GAS MAIN - TRIID
— LP GM —	LOW PRESSURE GAS MAIN - TRIID
— GAS —	GAS - DOMESTIC
— UKPN —	UKPN
— UKPN OH —	UKPN OVERHEADS
— SL —	STREET LIGHTING
— TS —	TRAFFIC SIGNALS
— LV —	LOW VOLTAGE
— ??? —	UNKNOWN
— ESW WM —	WATER MAIN - ESSEX AND SUFFOLK WATER
— W —	WATER - DOMESTIC
— BT —	BRITISH TELECOMMUNICATION
— BT OH —	BT - OVERHEADS
— INSTALCOM —	INSTALCOM / KPN / INTERDUTE / VERIZON
— V - M —	VIRGIN MEDIA
— COMMS —	OTHER COMMS
— AW SM —	FOUL MAIN - ANGLIAN WATER
— S —	FOUL - DOMESTIC
— BP SM —	FOUL RISING MAIN - BRITISH PETROLEUM
— SW —	STDRM WATER

PAS 128 LEGEND	
× D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
× C	CLASS C - FEATURE FOUND ON THE SURFACE
× 7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
× 5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability <b>UTILITES MODEL</b>	Project Title <b>A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)</b>
	Drawing Title <b>UTILITIES EXISTING AND DIVERSIONS</b>
Client 	Drawing Number <b>A13_UT_13_250</b>
Original Size: <b>A1</b>	Scale: 1 : 250 Project Ref. No: 10001558 Sheet 13 of 30 Rev: <b>R01</b>

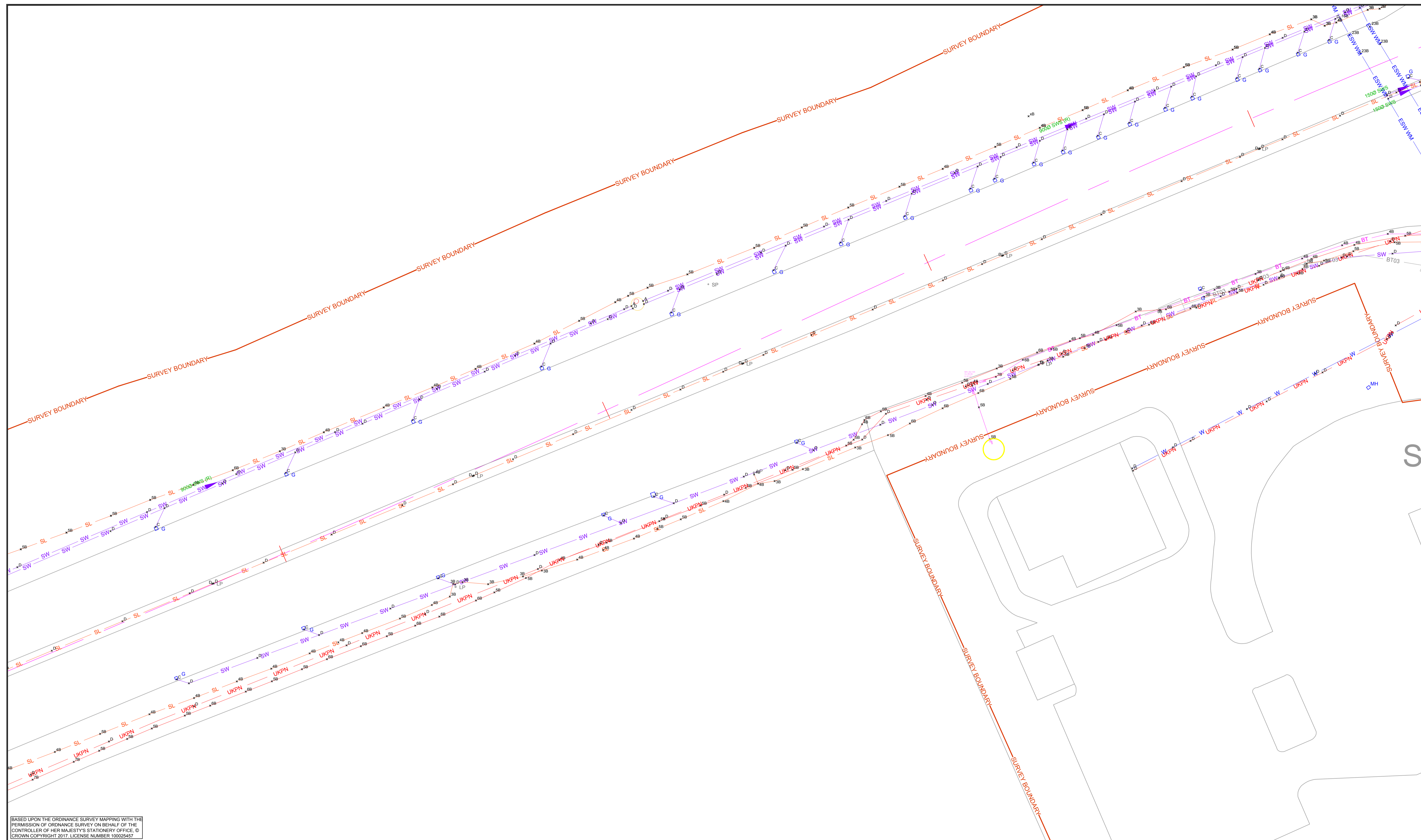


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LEGEND	
— HP GM —	HIGH PRESSURE GAS MAIN - NATIONAL GRID
— IHP GM —	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
— MP GM —	MEDIUM PRESSURE GAS MAIN - TRIID
— LP GM —	LOW PRESSURE GAS MAIN - TRIID
— GAS —	GAS - DOMESTIC
— UKPN —	UKPN
— UKPN OH —	UKPN OVERHEADS
— SL —	STREET LIGHTING
— TS —	TRAFFIC SIGNALS
— LV —	LDW VOLTAGE
— ??? —	UNKNOWN
— ESW WM —	WATER MAIN - ESSEX AND SUFFOLK WATER
— W —	WATER - DOMESTIC
— BT —	BRITISH TELECOMMUNICATION
— BT OH —	BT - OVERHEADS
— INSTALCOM —	INSTALCOM / KPN / INTERDUTE / VERIZON
— V - M —	VIRGIN MEDIA
— COMMS —	OTHER COMMS
— AW SM —	FUUL MAIN - ANGLIAN WATER
— S —	FUUL - DOMESTIC
— BP SM —	FUUL RISING MAIN - BRITISH PETROLEUM
— SW —	STDRM WATER

PAS 128 LEGEND	
× D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
× C	CLASS C - FEATURE FOUND ON THE SURFACE
× 7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
× 5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability	UTILITES MODEL	Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
		Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Client		Drawing Number	A13_UT_14_250
		Project	
Original Size: A1	Scale: 1 : 250	Project Ref. No: 10001558	Sheet: 14 of 30
		Rev: R01	



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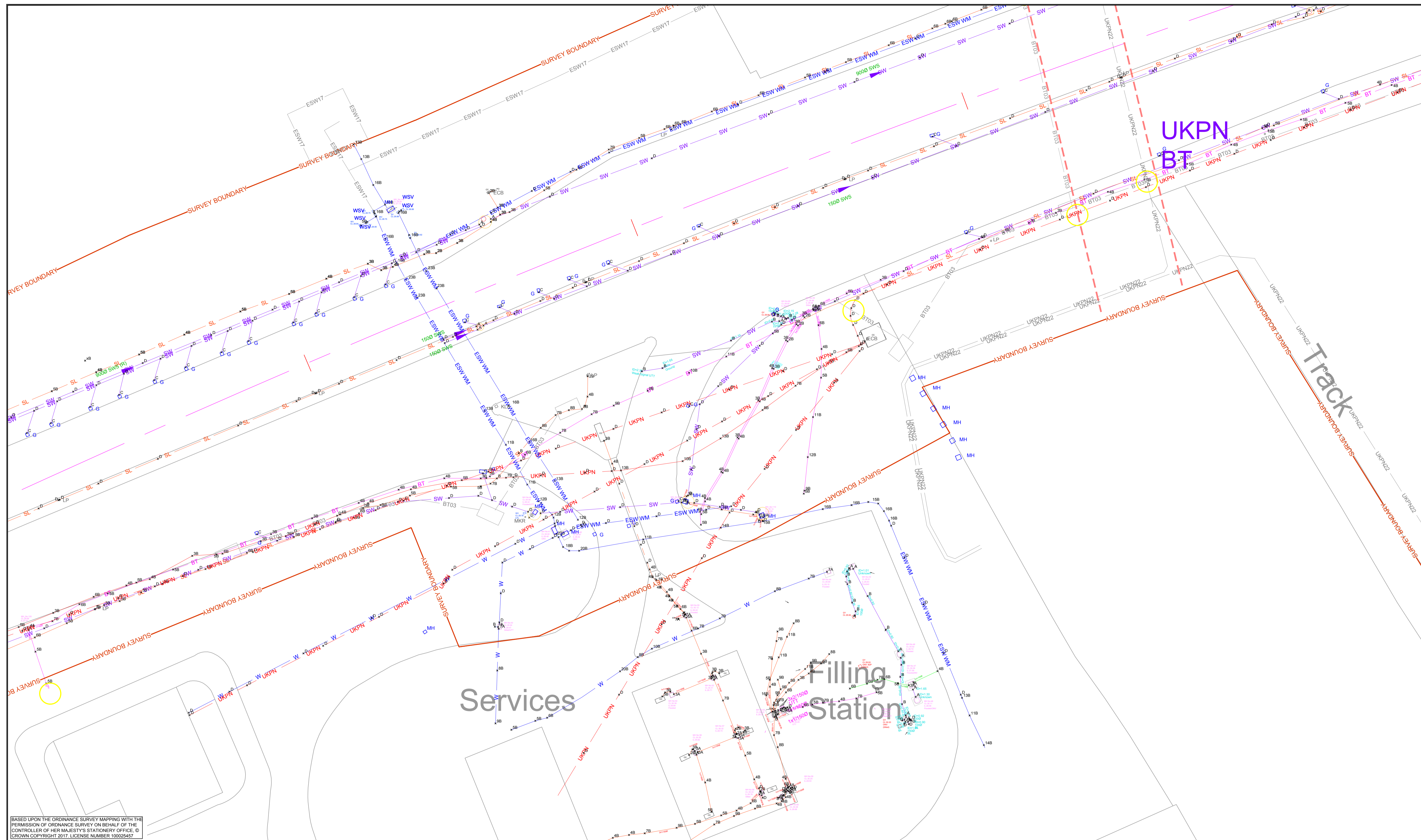
**LEGEND**

— HP GM —	HIGH PRESSURE GAS MAIN - NATIONAL GRID	— ESW WM —	WATER MAIN - ESSEX AND SUFFOLK WATER
— IHP GM —	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT	— W —	WATER - DOMESTIC
— MP GM —	MEDIUM PRESSURE GAS MAIN - TRIID	— BT —	BRITISH TELECOMMUNICATION
— LP GM —	LOW PRESSURE GAS MAIN - TRIID	— BT OH —	BT - OVERHEADS
— GAS —	GAS - DOMESTIC	— INSTALCOM —	INSTALCOM / KPN / INTERDUTE / VERIZON
— UKPN —	UKPN	— V - M —	VIRGIN MEDIA
— UKPN OH —	UKPN OVERHEADS	— COMMS —	OTHER COMMS
— SL —	STREET LIGHTING	— AW SM —	FOUL MAIN - ANGLIAN WATER
— TS —	TRAFFIC SIGNALS	— S —	FOUL - DOMESTIC
— LV —	LOW VOLTAGE	— BP SM —	FOUL RISING MAIN - BRITISH PETROLEUM
— ??? —	UNKNOWN	— SW —	STDRM WATER

**PAS 128 LEGEND**

× D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
× C	CLASS C - FEATURE FOUND ON THE SURFACE
× 7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
× 5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability		Project Title	
UTILITES MODEL		A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)	
		Drawing Title	
		UTILITIES EXISTING AND DIVERSIONS	
Client		Drawing Number / Project	
		A13_UT_15_250	
Original Size: A1	Scale: 1 : 250	Project Ref. No: 10001558	Sheet 15 of 30 Rev: R01




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LEGEND	
— HP GM —	HIGH PRESSURE GAS MAIN - NATIONAL GRID
— IHP GM —	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
— MP GM —	MEDIUM PRESSURE GAS MAIN - TRIID
— LP GM —	LOW PRESSURE GAS MAIN - TRIID
— GAS —	GAS - DOMESTIC
— UKPN —	UKPN
— UKPN OH —	UKPN OVERHEADS
— SL —	STREET LIGHTING
— TS —	TRAFFIC SIGNALS
— LV —	LDW VOLTAGE
— ??? —	UNKNOWN
— ESW WM —	WATER MAIN - ESSEX AND SUFFOLK WATER
— W —	WATER - DOMESTIC
— BT —	BRITISH TELECOMMUNICATION
— BT OH —	BT - OVERHEADS
— INSTALCOM —	INSTALCOM / KPN / INTERDUTE / VERIZON
— V - M —	VIRGIN MEDIA
— COMMS —	OTHER COMMS
— AW SM —	FUUL MAIN - ANGLIAN WATER
— S —	FUUL - DOMESTIC
— BP SM —	FUUL RISING MAIN - BRITISH PETROLEUM
— SW —	STDRM WATER


PAS 128 LEGEND	
× D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
× C	CLASS C - FEATURE FOUND ON THE SURFACE
× 7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
× 5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability

UTILITES MODEL

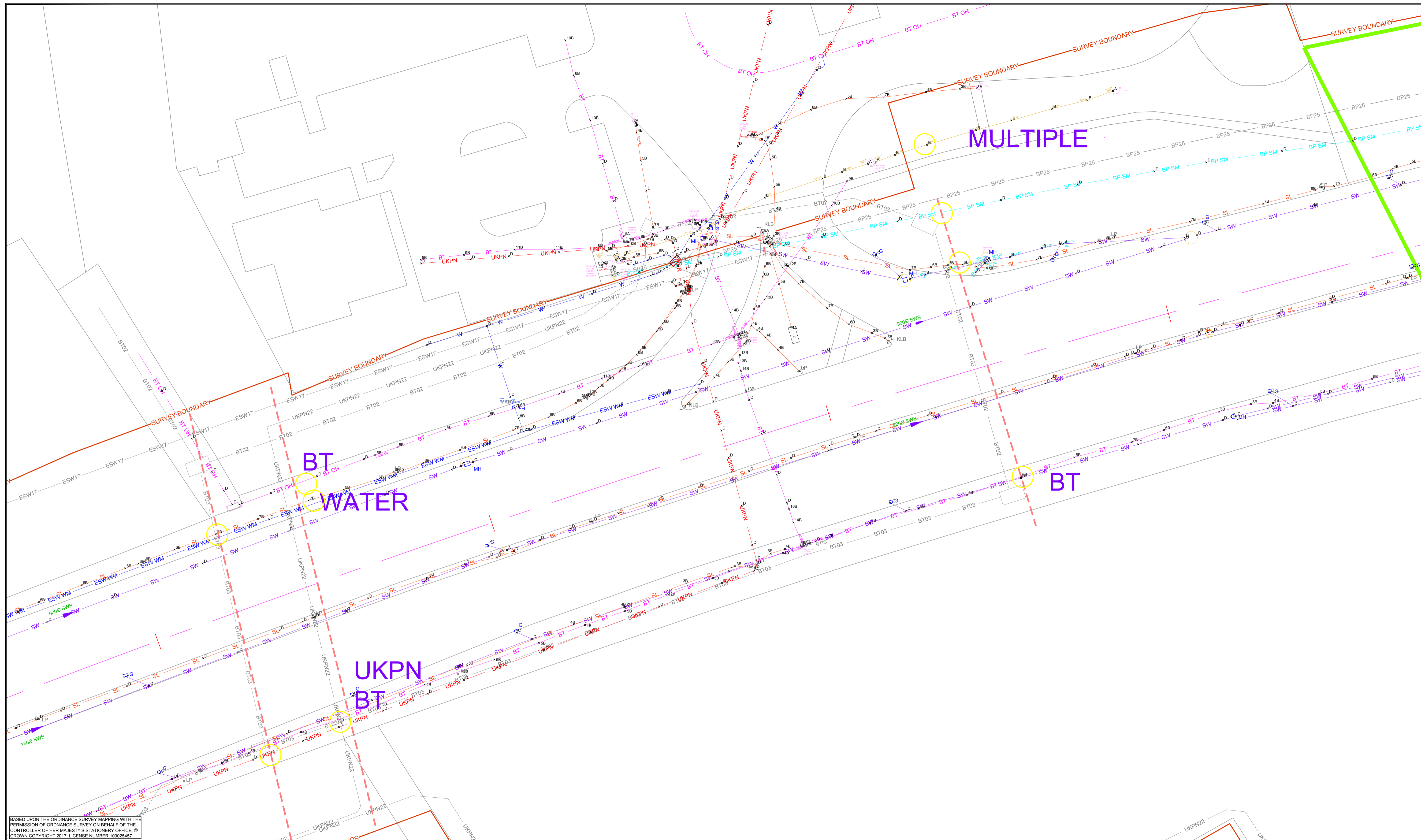


Client



Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number Project	A13_UT_16_250
Original Size: A1	Scale: 1 : 250
Project Ref. No. 10001558	Sheet 16 of 30
Rev: R01	





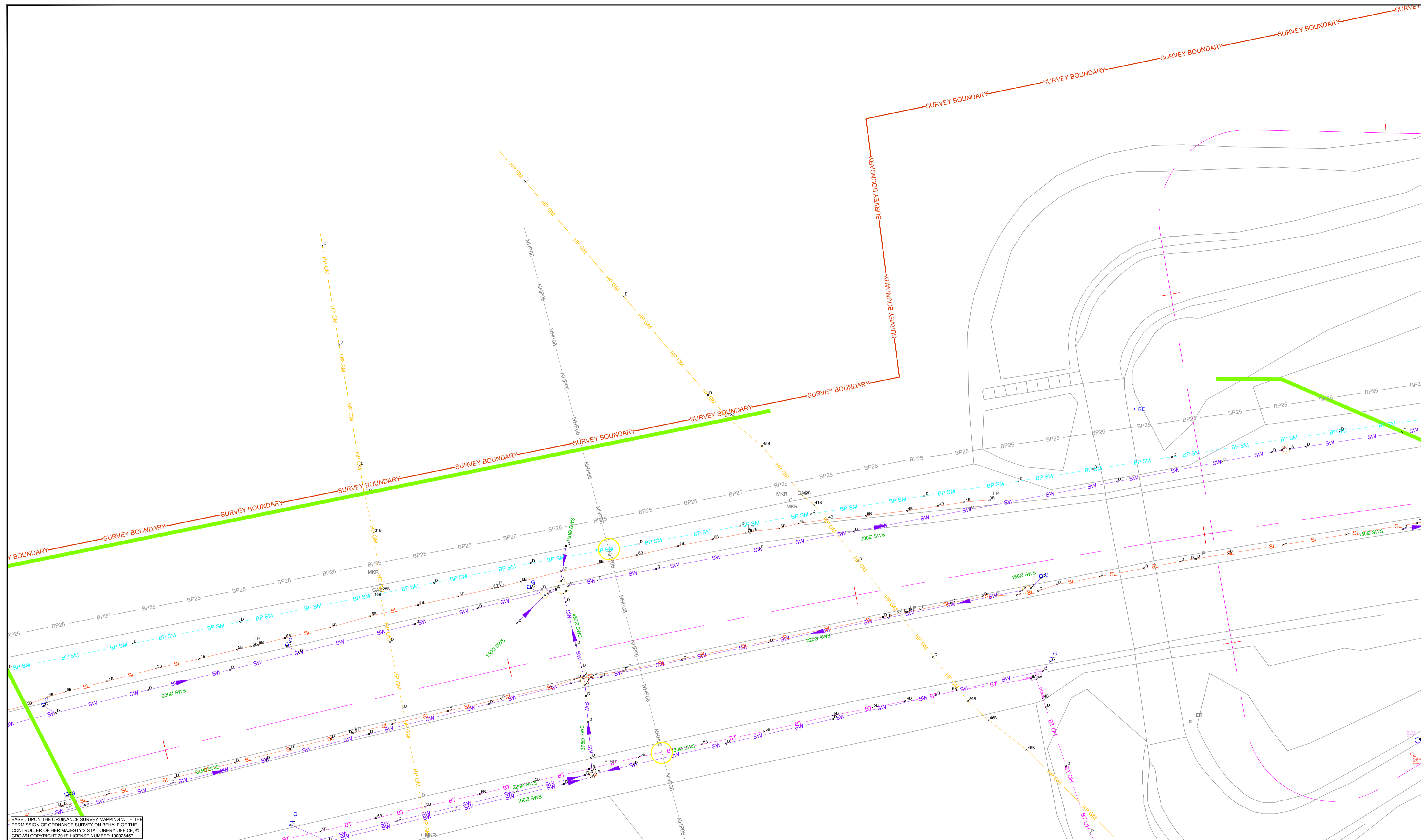
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LEGEND	
HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LOW VOLTAGE
???	UNKNOWN
ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FUUL MAIN - ANGLIAN WATER
S	FUUL - DOMESTIC
BP SM	FUUL RISING MAIN - BRITISH PETROLEUM
SW	STDRM WATER

PAS 128 LEGEND	
D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability		Project Title	
UTILITES MODEL		A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)	
		Drawing Title	
		UTILITIES EXISTING AND DIVERSIONS	
Client		Drawing Number Project	
		A13_UT_17_250	
Original Size: A1	Scale: 1 : 250	Project Ref. No: 10001558	Sheet 17 of 30 Rev: R01





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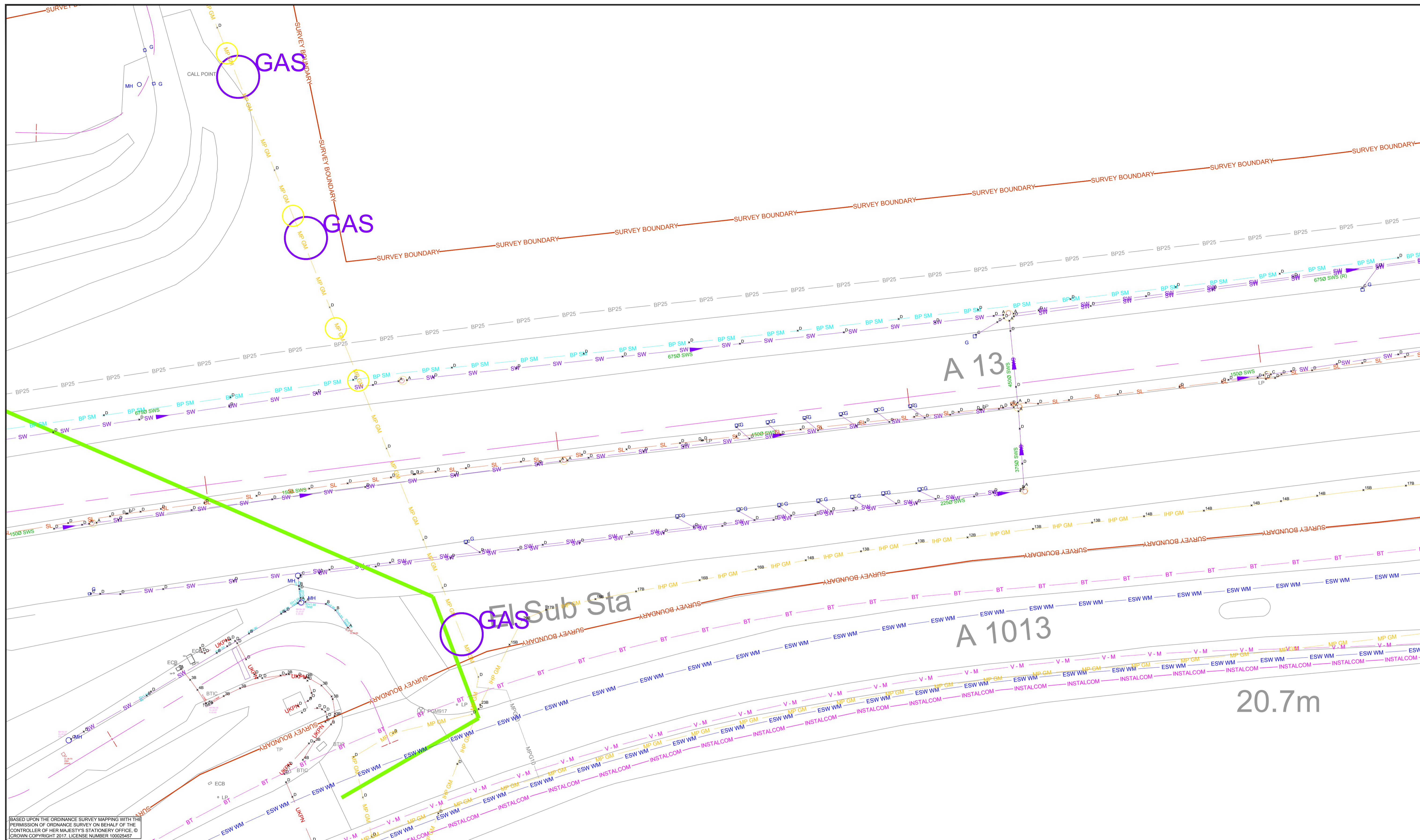
LEGEND	
HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LOW VOLTAGE
???	UNKNOWN
ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FUUL MAIN - ANGLIAN WATER
S	FUUL - DOMESTIC
BP SM	FUUL RISING MAIN - BRITISH PETROLEUM
SW	STDRM WATER

PAS 128 LEGEND	
D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

UTILITES MODEL

Client: THURROCK COUNCIL

Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number Project	A13_UT_19_250
Original Size	A1
Scale	1 : 250
Project Ref. No.	10001558
Sheet	19 of 30
Rev.	R01



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LEGEND	
HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LDW VOLTAGE
???	UNKNOWN
ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FUUL MAIN - ANGLIAN WATER
S	FUUL - DOMESTIC
BP SM	FUUL RISING MAIN - BRITISH PETROLEUM
SW	STDRM WATER

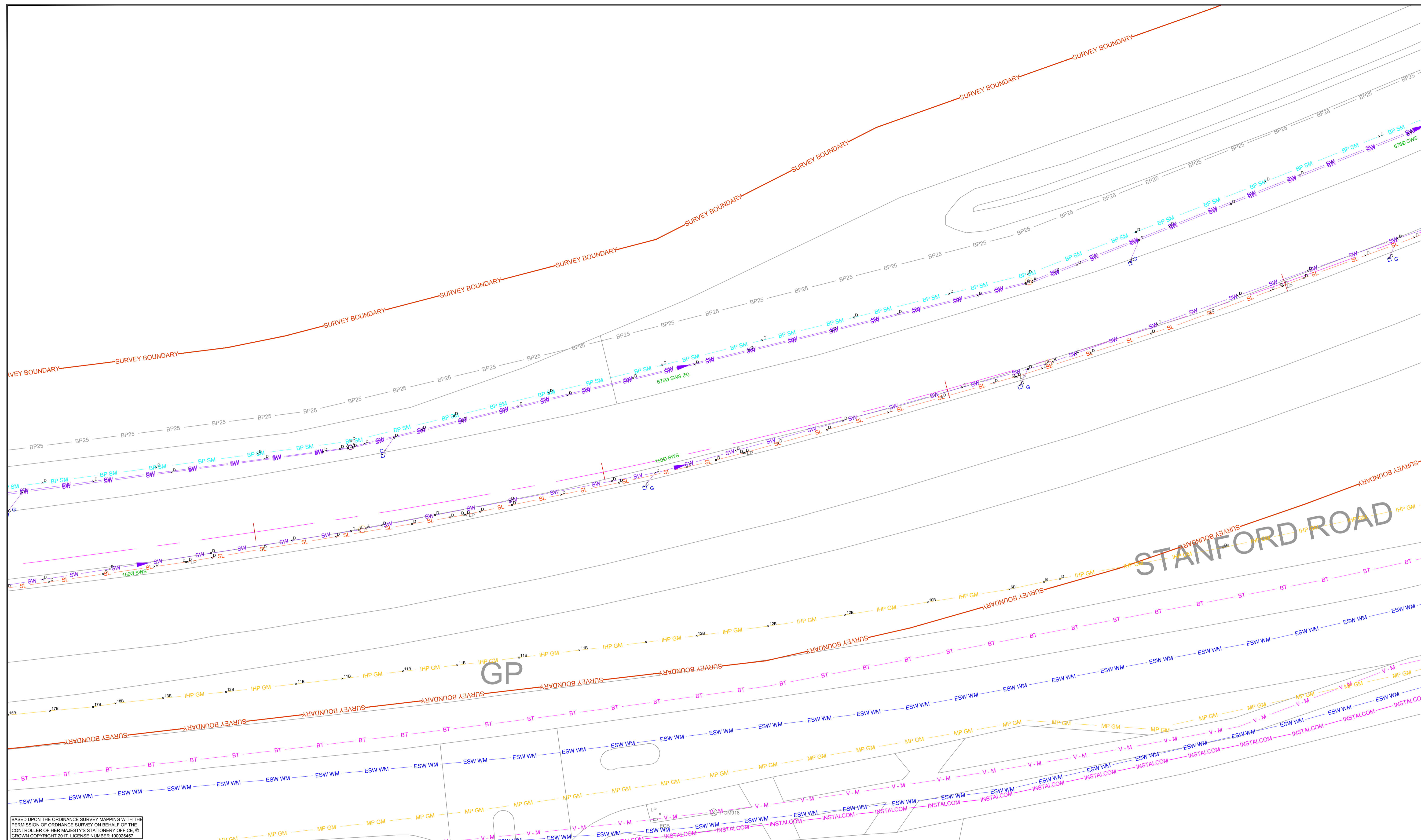
PAS 128 LEGEND	
× D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
× C	CLASS C - FEATURE FOUND ON THE SURFACE
× 7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
× 5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability

UTILITES MODEL

Client

Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number Project	A13_UT_20_250
Original Size: A1	Scale: 1 : 250
Project Ref. No. 10001558	Sheet 20 of 30
Rev. R01	



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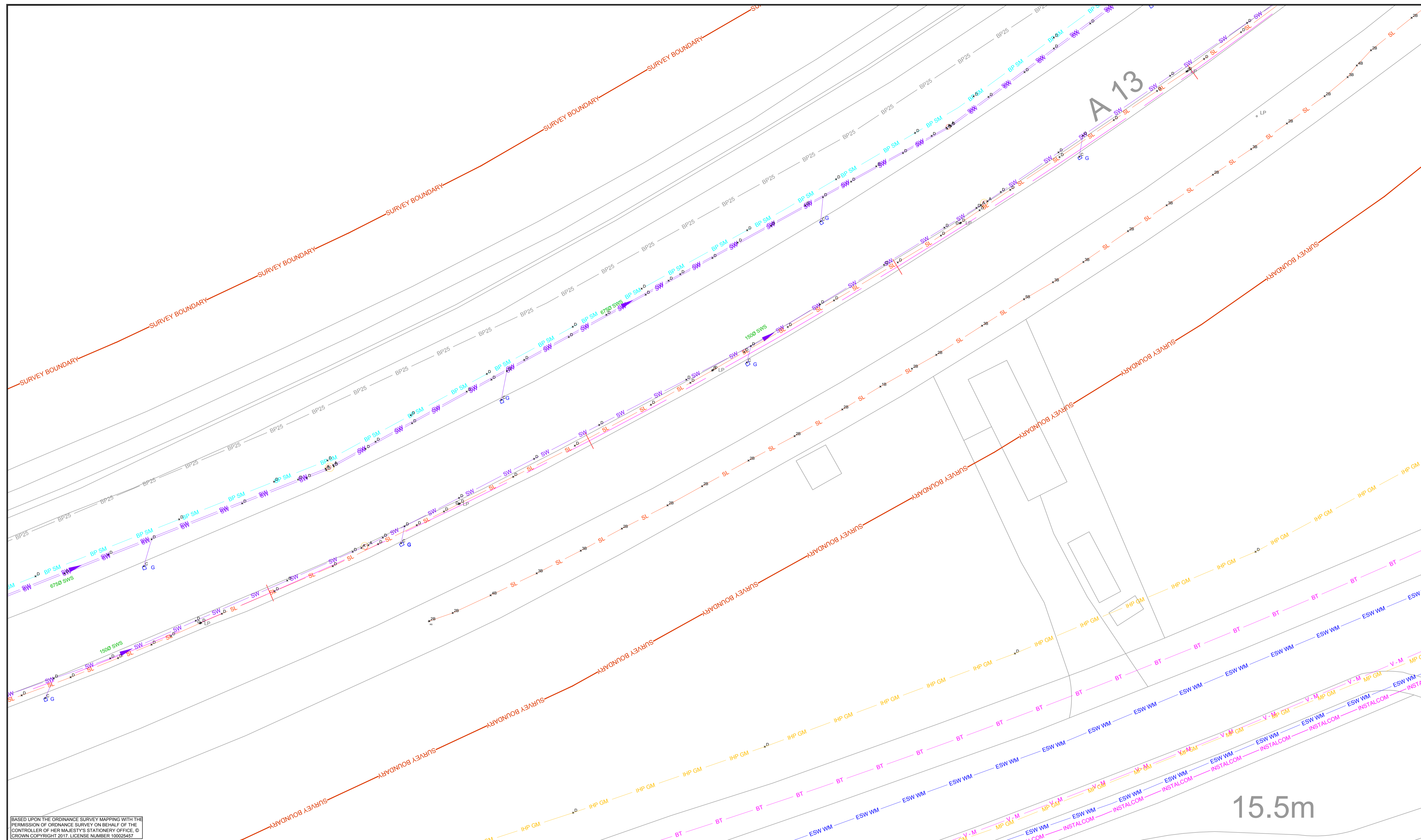
**LEGEND**

— HP GM —	HIGH PRESSURE GAS MAIN - NATIONAL GRID	— ESW WM —	WATER MAIN - ESSEX AND SUFFOLK WATER
— IHP GM —	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT	— W —	WATER - DOMESTIC
— MP GM —	MEDIUM PRESSURE GAS MAIN - TRIID	— BT —	BRITISH TELECOMMUNICATION
— LP GM —	LOW PRESSURE GAS MAIN - TRIID	— BT OH —	BT - OVERHEADS
— GAS —	GAS - DOMESTIC	— INSTALCOM —	INSTALCOM / KPN / INTERDUTE / VERIZON
— UKPN —	UKPN	— V - M —	VIRGIN MEDIA
— UKPN OH —	UKPN OVERHEADS	— COMMS —	OTHER COMMS
— SL —	STREET LIGHTING	— AW SM —	FUUL MAIN - ANGLIAN WATER
— TS —	TRAFFIC SIGNALS	— S —	FUUL - DOMESTIC
— LV —	LOW VOLTAGE	— BP SM —	FUUL RISING MAIN - BRITISH PETROLEUM
— ??? —	UNKNOWN	— SW —	STDRM WATER

**PAS 128 LEGEND**

× D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
× C	CLASS C - FEATURE FOUND ON THE SURFACE
× 7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
× 5A	CLASS A - UTILITY VALIDATED - E.G: TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability	UTILITES MODEL	Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
		Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Client		Drawing Number Project	A13_UT_21_250
Original Size: A1	Scale: 1 : 250	Project Ref. No: 10001558	Sheet 21 of 30 Rev: R01



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**LEGEND**

- |             |  |               |                                       |
|-------------|--|---------------|---------------------------------------|
| — IHP GM —  | HIGH PRESSURE GAS MAIN - NATIONAL GRID       | — ESW WM —    | WATER MAIN - ESSEX AND SUFFOLK WATER  |
| — IHP GM —  | HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT | — W —         | WATER - DOMESTIC                      |
| — MP GM —   | MEDIUM PRESSURE GAS MAIN - TRIID             | — BT —        | BRITISH TELECOMMUNICATION             |
| — LP GM —   | LOW PRESSURE GAS MAIN - TRIID                | — BT OH —     | BT - OVERHEADS                        |
| — GAS —     | GAS - DOMESTIC                               | — INSTALCOM — | INSTALCOM / KPN / INTERDUTE / VERIZON |
| — UKPN —    | UKPN   | — V - M —     | VIRGIN MEDIA                          |
| — UKPN OH — | UKPN OVERHEADS                               | — COMMS —     | OTHER COMMS                           |
| — SL —      | STREET LIGHTING                              | — AW SM —     | FUUL MAIN - ANGLIAN WATER             |
| — TS —      | TRAFFIC SIGNALS                              | — S —         | FUUL - DOMESTIC                       |
| — LV —      | LOW VOLTAGE                                  | — BP SM —     | FUUL RISING MAIN - BRITISH PETROLEUM  |
| — ??? —     | UNKNOWN                                      | — SW —        | STDRM WATER                           |

**PAS 128 LEGEND**

- × **D** CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
- × **C** CLASS C - FEATURE FOUND ON THE SURFACE
- × **7B** CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES  
\*7B\* = 7 \* 100mm TO TOP OF UTILITY
- × **5A** CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS  
PIT / MANHOLE  
\*5A\* = 5 \* 100mm TO TOP OF UTILITY

UTILITES MODEL

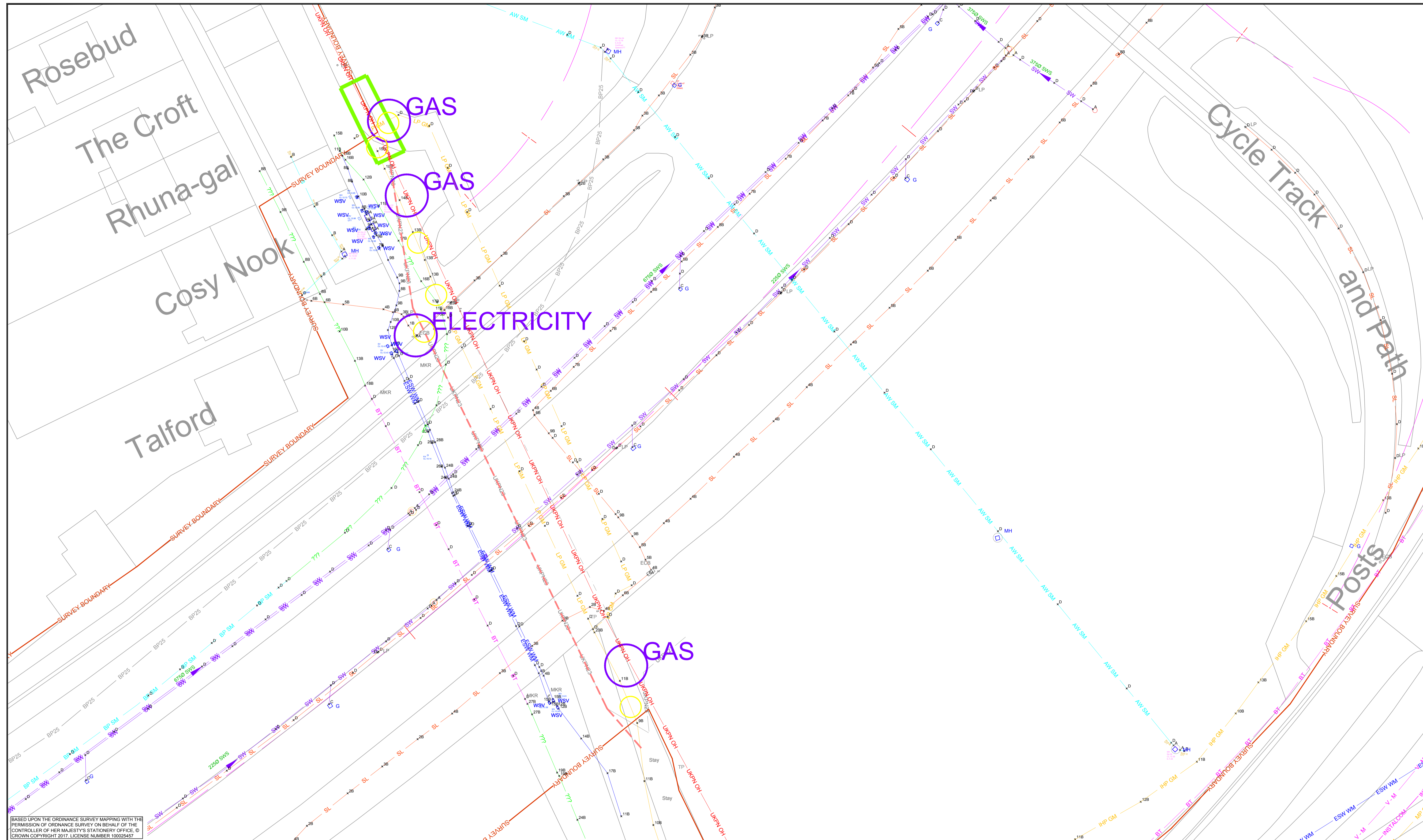


Project Title  
**A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)**

Drawing Title  
**UTILITIES EXISTING AND DIVERSIONS**

Drawing Number  
Project  
**A13\_UT\_22\_250**

Original Size: **A1** Scale: 1 : 250 Project Ref. No. 10001558 Sheet 22 of 30 Rev: **R01**



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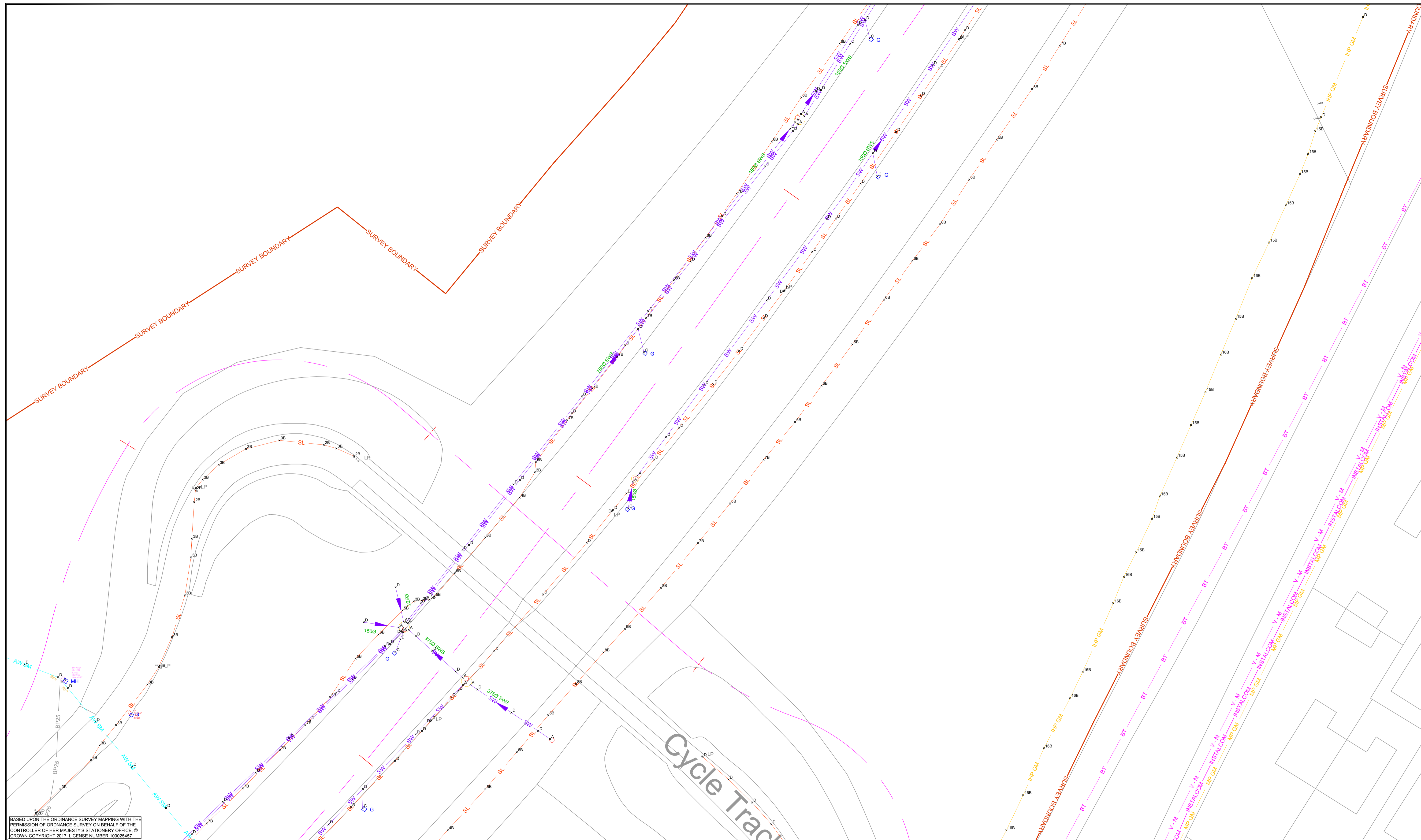
**LEGEND**

HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID	ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT	W	WATER - DOMESTIC
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID	BT	BRITISH TELECOMMUNICATION
LP GM	LOW PRESSURE GAS MAIN - TRIID	BT OH	BT - OVERHEADS
GAS	GAS - DOMESTIC	INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
UKPN	UKPN	V - M	VIRGIN MEDIA
UKPN OH	UKPN OVERHEADS	COMMS	OTHER COMMS
SL	STREET LIGHTING	AW SM	FUOL MAIN - ANGLIAN WATER
TS	TRAFFIC SIGNALS	S	FUOL - DOMESTIC
LV	LOW VOLTAGE	BP SM	FUOL RISING MAIN - BRITISH PETROLEUM
???	UNKNOWN	SW	STDRM WATER

**PAS 128 LEGEND**

D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability <b>UTILITES MODEL</b>	Project Title <b>A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)</b>
	Drawing Title <b>UTILITIES EXISTING AND DIVERSIONS</b>
Client 	Drawing Number <b>A13_UT_23_250</b>
Original Size: <b>A1</b>	Scale: 1 : 250
Project Ref. No: 10001558	Sheet 23 of 30
Rev: <b>R01</b>	




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LEGEND	
— HP GM —	HIGH PRESSURE GAS MAIN - NATIONAL GRID
— IHP GM —	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
— MP GM —	MEDIUM PRESSURE GAS MAIN - TRIID
— LP GM —	LOW PRESSURE GAS MAIN - TRIID
— GAS —	GAS - DOMESTIC
— UKPN —	UKPN
— UKPN OH —	UKPN OVERHEADS
— SL —	STREET LIGHTING
— TS —	TRAFFIC SIGNALS
— LV —	LOW VOLTAGE
— ??? —	UNKNOWN
— ESW WM —	WATER MAIN - ESSEX AND SUFFOLK WATER
— W —	WATER - DOMESTIC
— BT —	BRITISH TELECOMMUNICATION
— BT OH —	BT - OVERHEADS
— INSTALCOM —	INSTALCOM / KPN / INTERDUTE / VERIZON
— V - M —	VIRGIN MEDIA
— COMMS —	OTHER COMMS
— AW SM —	FUOL MAIN - ANGLIAN WATER
— S —	FUOL - DOMESTIC
— BP SM —	FUOL RISING MAIN - BRITISH PETROLEUM
— SW —	STDRM WATER


PAS 128 LEGEND	
× D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
× C	CLASS C - FEATURE FOUND ON THE SURFACE
× 7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
× 5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability

UTILITES MODEL

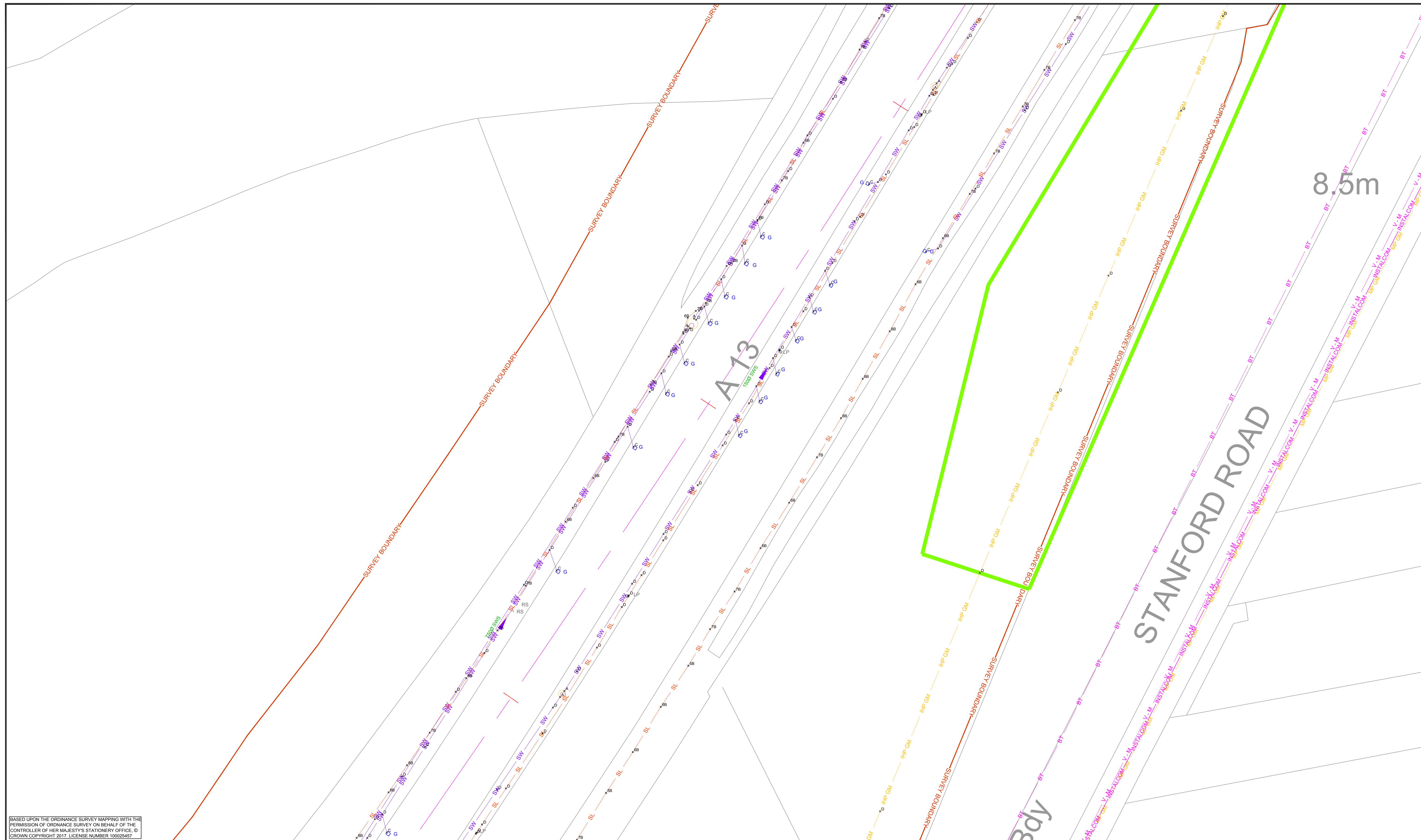


Client



Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number Project	A13_UT_24_250
Original Size: A1	Scale: 1 : 250
Project Ref. No. 10001558	Sheet 24 of 30
Rev. R01	






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LEGEND	
— HP GM —	HIGH PRESSURE GAS MAIN - NATIONAL GRID
— IHP GM —	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
— MP GM —	MEDIUM PRESSURE GAS MAIN - TRIID
— LP GM —	LOW PRESSURE GAS MAIN - TRIID
— GAS —	GAS - DOMESTIC
— UKPN —	UKPN
— UKPN OH —	UKPN OVERHEADS
— SL —	STREET LIGHTING
— TS —	TRAFFIC SIGNALS
— LV —	LOW VOLTAGE
— ??? —	UNKNOWN
— ESW WM —	WATER MAIN - ESSEX AND SUFFOLK WATER
— W —	WATER - DOMESTIC
— BT —	BRITISH TELECOMMUNICATION
— BT OH —	BT - OVERHEADS
— INSTALCOM —	INSTALCOM / KPN / INTERDUTE / VERIZON
— V - M —	VIRGIN MEDIA
— COMMS —	OTHER COMMS
— AW SM —	FUOL MAIN - ANGLIAN WATER
— S —	FUOL - DOMESTIC
— BP SM —	FUOL RISING MAIN - BRITISH PETROLEUM
— SW —	STDRM WATER


PAS 128 LEGEND	
× D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
× C	CLASS C - FEATURE FOUND ON THE SURFACE
× 7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
× 5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability

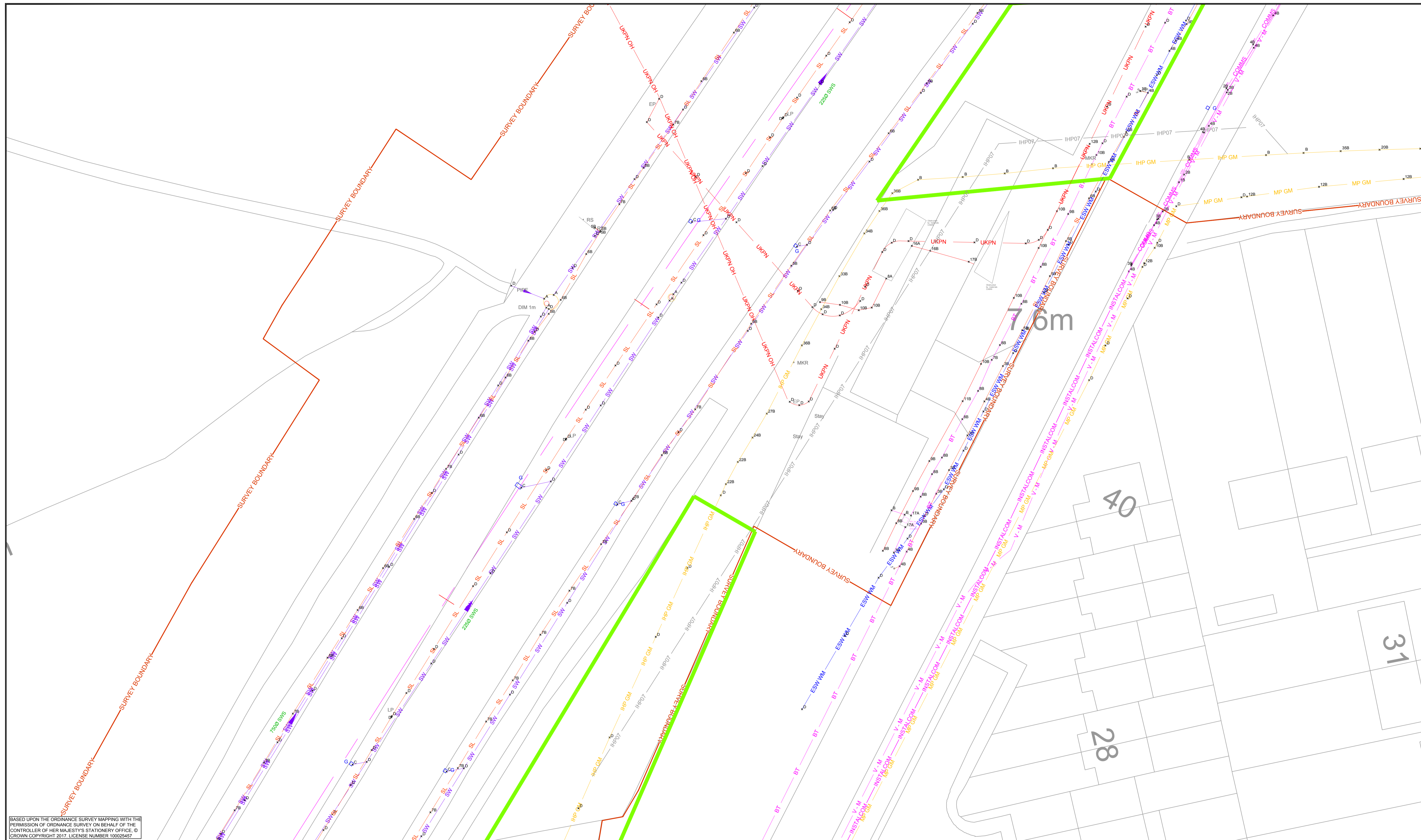
UTILITES MODEL



Client



Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number Project	A13_UT_25_250
Original Size: A1	Scale: 1 : 250
Project Ref. No. 10001558	Sheet 25 of 30
Rev. R01	



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LEGEND	
HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LOW VOLTAGE
???	UNKNOWN
ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FUOL MAIN - ANGLIAN WATER
S	FUOL - DOMESTIC
BP SM	FUOL RISING MAIN - BRITISH PETROLEUM
SW	STDRM WATER

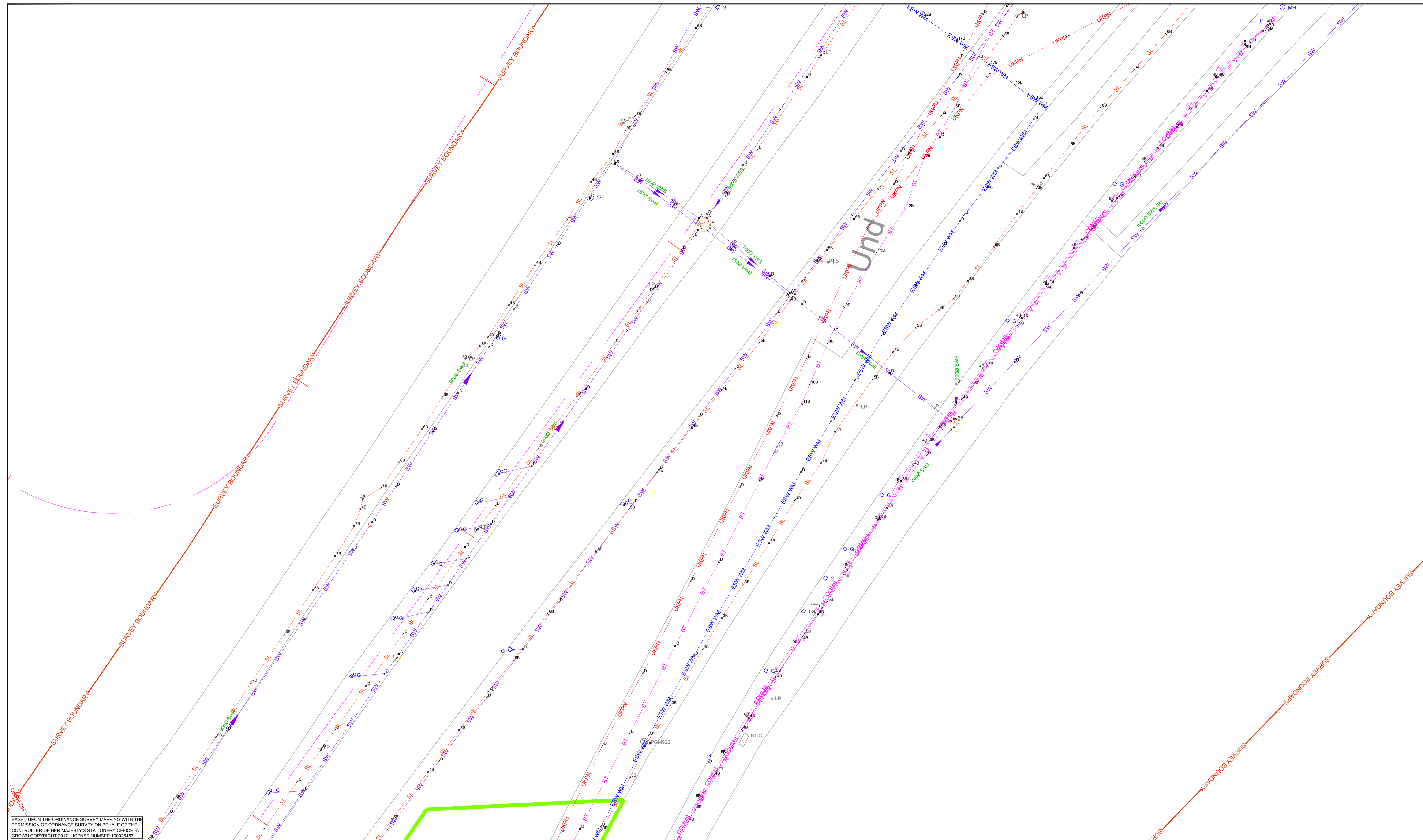
PAS 128 LEGEND	
D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability

UTILITES MODEL

Client

Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number Project	A13_UT_26_250
Original Size	A1
Scale	1 : 250
Project Ref. No.	10001558
Sheet	26 of 30
Rev.	R01



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LEGEND	
HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID
LP GM	LOW PRESSURE GAS MAIN - TRIID
GAS	GAS - DOMESTIC
UKPN	UKPN
UKPN OH	UKPN OVERHEADS
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
LV	LOW VOLTAGE
???	UNKNOWN
ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
W	WATER - DOMESTIC
BT	BRITISH TELECOMMUNICATION
BT OH	BT - OVERHEADS
INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
V - M	VIRGIN MEDIA
COMMS	OTHER COMMS
AW SM	FUUL MAIN - ANGLIAN WATER
S	FUUL - DOMESTIC
BP SM	FUUL RISING MAIN - BRITISH PETROLEUM
SW	STDRM WATER

PAS 128 LEGEND	
D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

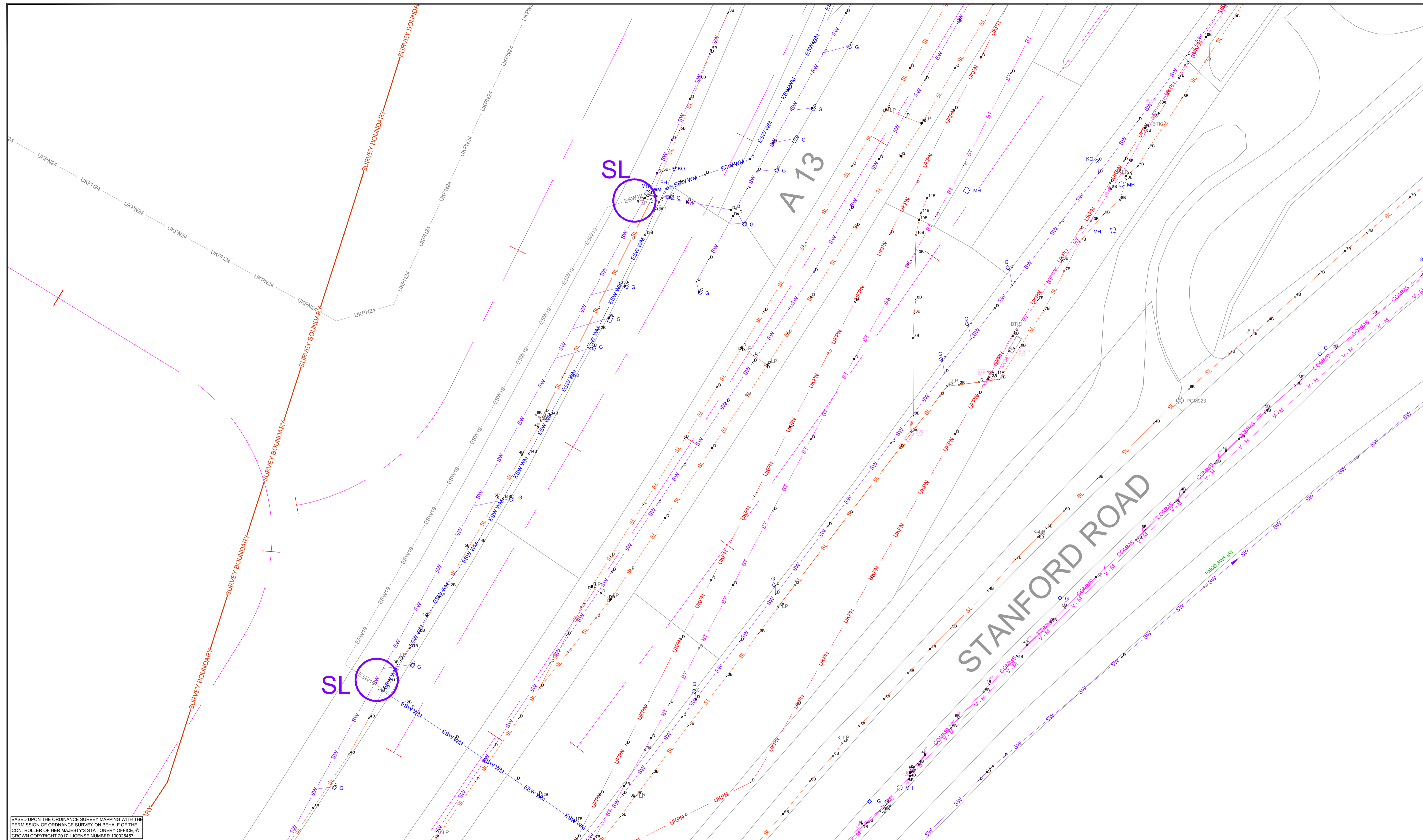
Utilities Model

**KIER**

Client

**THURROCK COUNCIL**

Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Drawing Number Project	A13_UT_27_250
Original Size	A1
Scale	1 : 250
Project Ref. No.	10001558
Sheet	27 of 30
Rev.	R01



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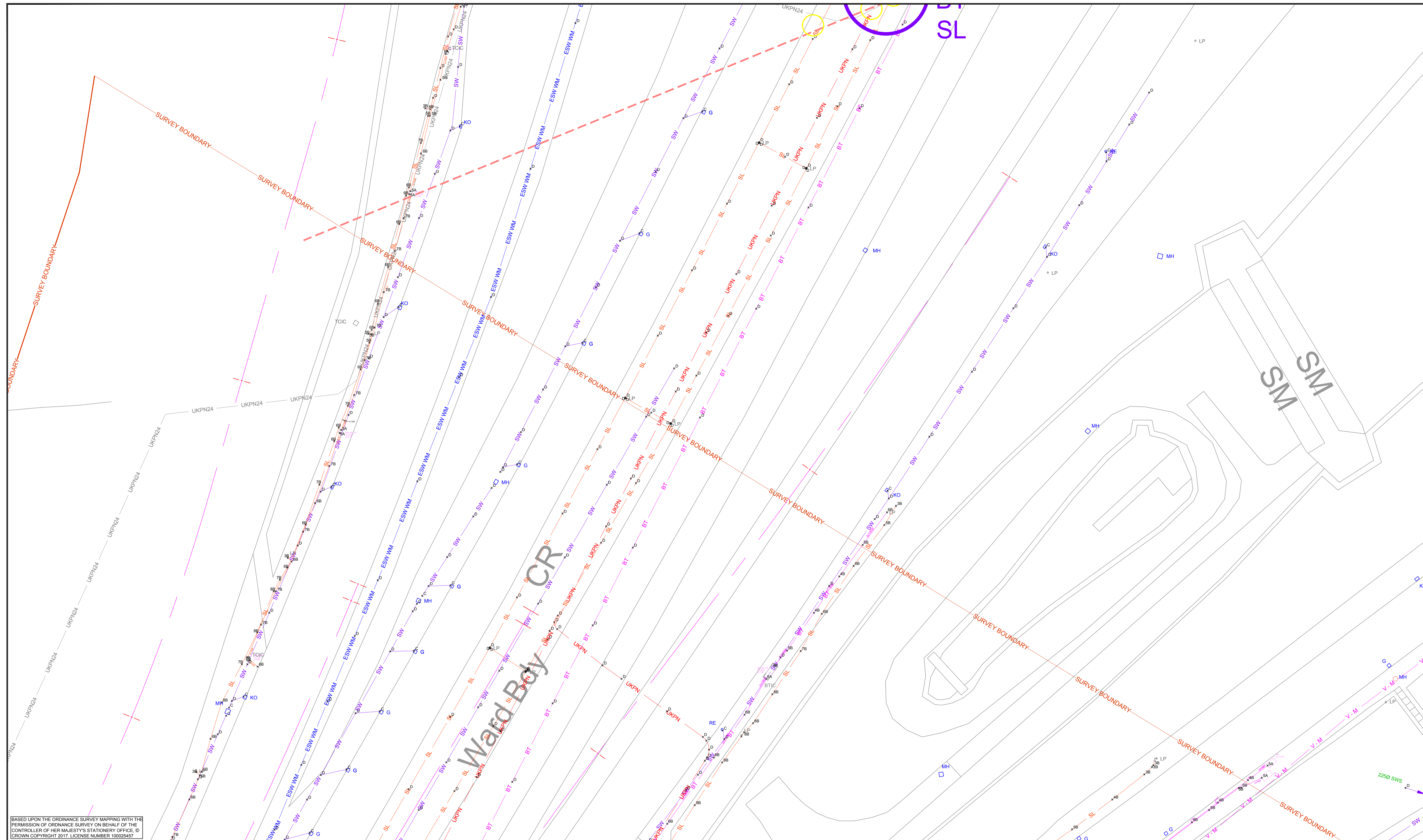
**LEGEND**

	HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID		ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
	IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT		W	WATER - DOMESTIC
	MP GM	MEDIUM PRESSURE GAS MAIN - TRIID		BT	BRITISH TELECOMMUNICATION
	LP GM	LOW PRESSURE GAS MAIN - TRIID		BT OH	BT - OVERHEADS
	GAS	GAS - DOMESTIC		INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
	UKPN	UKPN		V - M	VIRGIN MEDIA
	UKPN OH	UKPN OVERHEADS		COMMS	OTHER COMMS
	SL	STREET LIGHTING		AW SM	FUOL MAIN - ANGLIAN WATER
	TS	TRAFFIC SIGNALS		S	FUOL - DOMESTIC
	LV	LDW VOLTAGE		BP SM	FUOL RISING MAIN - BRITISH PETROLEUM
	???	UNKNOWN		SW	STDRM WATER

**PAS 128 LEGEND**

	D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
	C	CLASS C - FEATURE FOUND ON THE SURFACE
	7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
	5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability	UTILITES MODEL	Project Title	A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)
		Drawing Title	UTILITIES EXISTING AND DIVERSIONS
Client		Drawing Number	A13_UT_28_250
		Project	
Original Size: A1	Scale: 1 : 250	Project Ref. No: 10001558	Sheet 28 of 30 Rev: R01



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**LEGEND**

HP GM	HIGH PRESSURE GAS MAIN - NATIONAL GRID	ESW WM	WATER MAIN - ESSEX AND SUFFOLK WATER
IHP GM	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT	W	WATER - DOMESTIC
MP GM	MEDIUM PRESSURE GAS MAIN - TRIID	BT	BRITISH TELECOMMUNICATION
LP GM	LOW PRESSURE GAS MAIN - TRIID	BT OH	BT - OVERHEADS
GAS	GAS - DOMESTIC	INSTALCOM	INSTALCOM / KPN / INTERDUTE / VERIZON
UKPN	UKPN	V - M	VIRGIN MEDIA
UKPN OH	UKPN OVERHEADS	COMMS	OTHER COMMS
SL	STREET LIGHTING	AW SM	FUUL MAIN - ANGLIAN WATER
TS	TRAFFIC SIGNALS	S	FUUL - DOMESTIC
LV	LOW VOLTAGE	BP SM	FUUL RISING MAIN - BRITISH PETROLEUM
???	UNKNOWN	SW	STDRM WATER

**PAS 128 LEGEND**

D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
C	CLASS C - FEATURE FOUND ON THE SURFACE
7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
5A	CLASS A - UTILITY VALIDATED - E.G: TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

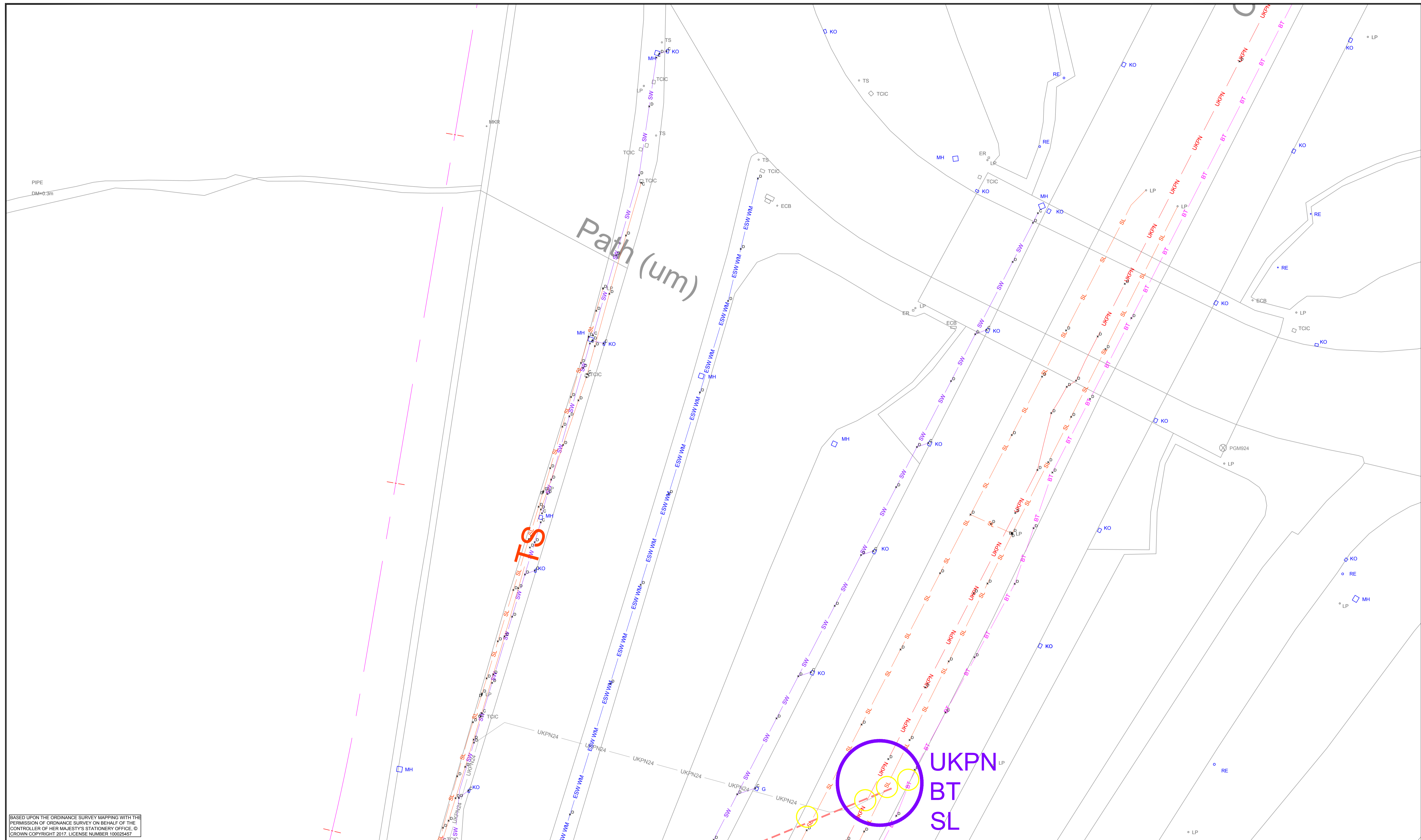
UTILITES MODEL



**A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)**

**UTILITIES  
EXISTING AND DIVERSIONS**

A13\_UT\_29\_250



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LEGEND	
— HP GM —	HIGH PRESSURE GAS MAIN - NATIONAL GRID
— IHP GM —	HIGH PRESSURE INTERMEDIATE GAS MAIN - CABENT
— MP GM —	MEDIUM PRESSURE GAS MAIN - TRIID
— LP GM —	LOW PRESSURE GAS MAIN - TRIID
— GAS —	GAS - DOMESTIC
— UKPN —	UKPN
— UKPN OH —	UKPN OVERHEADS
— SL —	STREET LIGHTING
— TS —	TRAFFIC SIGNALS
— LV —	LOW VOLTAGE
— ??? —	UNKNOWN
— ESW WM —	WATER MAIN - ESSEX AND SUFFOLK WATER
— W —	WATER - DOMESTIC
— BT —	BRITISH TELECOMMUNICATION
— BT OH —	BT - OVERHEADS
— INSTALCOM —	INSTALCOM / KPN / INTERDUTE / VERIZON
— V - M —	VIRGIN MEDIA
— COMMS —	OTHER COMMS
— AW SM —	FOUL MAIN - ANGLIAN WATER
— S —	FOUL - DOMESTIC
— BP SM —	FOUL RISING MAIN - BRITISH PETROLEUM
— SW —	STDRM WATER

PAS 128 LEGEND	
× D	CLASS D - DESKTOP STUDY OR ASSUMED LOCATION
× C	CLASS C - FEATURE FOUND ON THE SURFACE
× 7B	CLASS B - UTILITY ELECTRONICALLY TRACED WITH RD8000 SERIES *7B* = 7 * 100mm TO TOP OF UTILITY
× 5A	CLASS A - UTILITY VALIDATED - E.G. TRIAL HOLE AS-BUILTS PIT / MANHOLE *5A* = 5 * 100mm TO TOP OF UTILITY

Drawing Suitability <b>UTILITES MODEL</b>
Client 

Project Title <b>A13 WIDENING - A128 (ORSETT COCK) TO A1014 (THE MANOR WAY)</b>
Drawing Title <b>UTILITIES EXISTING AND DIVERSIONS</b>
Drawing Number <b>A13_UT_30_250</b>
Original Size: <b>A1</b>   Scale: <b>1 : 250</b>   Project Ref. No: <b>10001558</b>   Sheet: <b>30 of 30</b>   Rev: <b>R01</b>