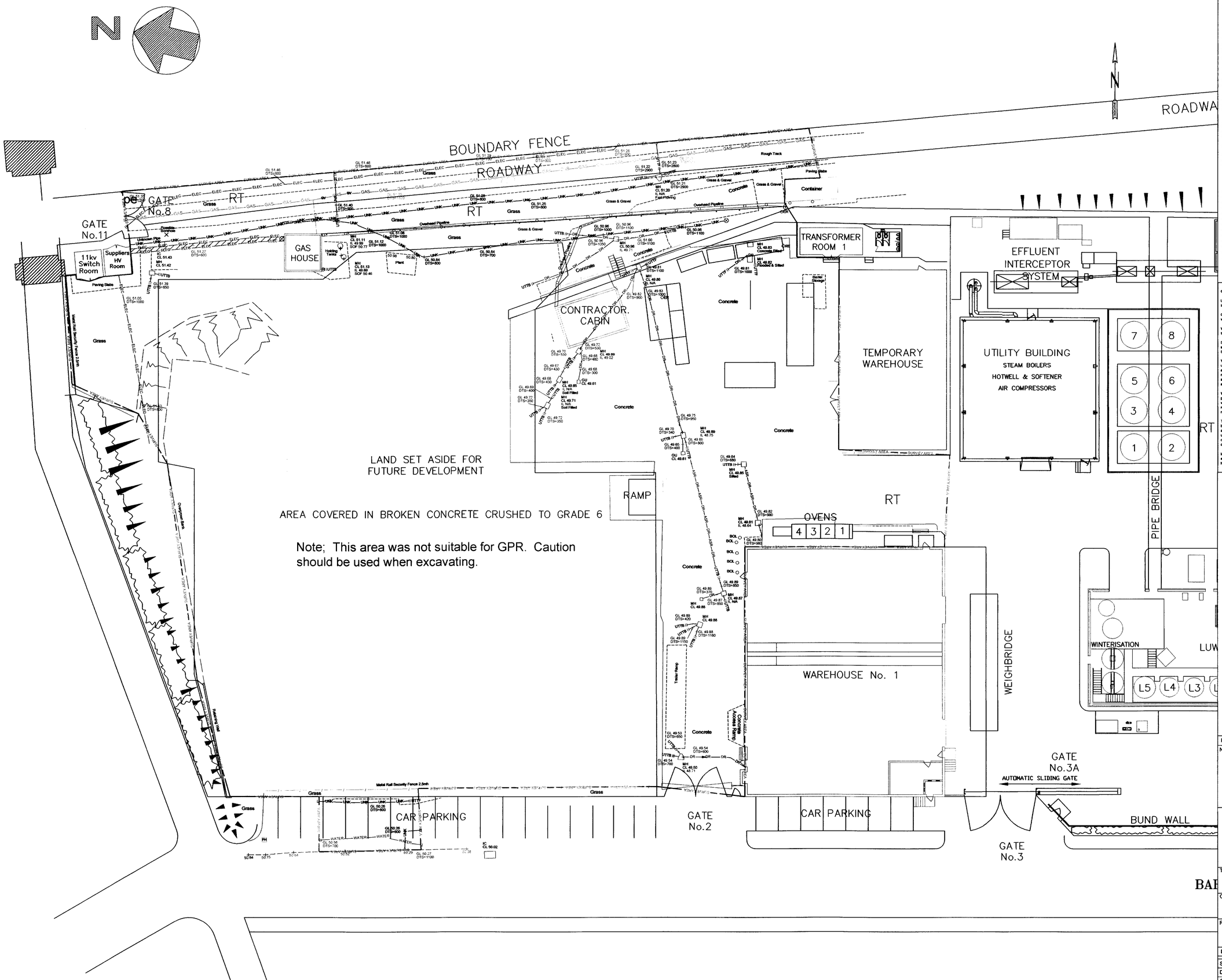


LEGEND

COMMUNICATIONS	COMMS	OVERHEAD SERVICES	OHS
DRAINAGE	DR DR	OXYGEN	OXY
PRODUCT EFFLUENT	EFF	POWER CARRYING	ELEC
FIRE HYDRANT MAIN	FH FH	TRAFFIC SIGNAL LOOP	TSL
FUEL	FUEL	UNKNOWN SERVICE	UNK
GAS	GAS	11kV CABLES	11kV
MULTIPLE SERVICES	MSR	33kV CABLES	33kV
OIL	OIL	WATER	WATER
ASSUMED ROUTE OF SERVICES (using abbreviation of service and associated colour as above)		ASR XXX ASR XXX	
CONTRACTED SURVEY AREA		SURVEY AREA	
PREVIOUS SURVEY AREA		PREVIOUS	
FENCE		/ / /	
PEDESTRIAN RAILING		P P P	
CRASH BARRIER		CB CB CB	
HERAS (temporary) FENCE		TFA TFA TFA	

UNABLE TO TRACE FURTHER	UTTF	SPOT HEIGHT	50.30
UNABLE TO TRACE DUE TO BLOCKAGE	UTTB	GATE	Single / Double
END OF TRACE		EMBANKMENT	
UNABLE TO LIFT (MH/IC Cover)	UTL	BUILDING (Part representation)	
INSPECTION COVER (including Cover Level)	IC CL 50.00	TREE	Dia. Bole / Spread / Height / Species
MANHOLE (rectangular) (including Cover Level)	MH CL 50.00	DEPTH TO TOP OF SERVICE (Ground Level in metres)	GL 50.00 DTS=600
MANHOLE (triangular) (including Cover Level)	MH CL 50.00	(Depth in millimetres)	
MANHOLE (circular) (including Cover Level)	MH CL 50.00	GULLEY	GU CL 50.00
BARRIER		LAMP POST	
BELISHA BEACON		PIPE DIAMETER (in millimetres)	ø100
BOLLARD		FLOW DIRECTION	
BRITISH TELECOMS MH	BTMH	PIPE INTO GROUND	
CABLE INTO GROUND		POST	
CABLE TV BOX		RAIN WATER PIPE	
COLUMN		ROAD SIGN	
DISTRIBUTION BOARD (SYM)	DB	RODDING EYE	
EARTH ROD	ER	SAPLING	
ELECTRIC CABINET (sized)	EC	SIGN POST	
ELECTRIC POLE		SURVEY STATION	
ELECTRIC SIGN		STOP COCK	
FEEDER PILLAR		STOP VALVE	
FIRE HYDRANT		TELEPHONE POLE	
GAS VALVE		TRAFFIC BOLLARD	
JUNCTION BOX BT (sized)	JB BT	TRAFFIC LIGHT	
JUNCTION BOX COMMS (sized)	JB COM	VENT PIPE	
JUNCTION BOX ELEC (sized)	JB	WATER METER	
		WATER VALVE	

GENERAL NOTES

Utilities may continue outside of the survey area. Any paint marks outside of the area are for investigative purposes only and may not represent the full extent of the sub-surface utilities.

Only sub-surface utility information is provided. Above ground utility information may be shown where it assists with positional referencing.

Where logic indicates a utility exists but which cannot be positively confirmed with the technology, an assumed route (ASR) is recorded.

SUMO does not procure statutory or private source utility information as part of its detection service nor does it record any such information in a utility survey unless otherwise noted. Statutory plans should be consulted to supplement this survey.

Vertical & Horizontal Position - Vertical position (depth) is indicative to the top of the utility/feature and is recorded as DTS (depth to top of service) and should not be taken as exact. Where depth information from the technology is unclear, depth is not shown. Drains may have been detected using threading and the depth indicated could be between the top and the bottom of the drain. Horizontal position is indicative to the centre of the utility/feature and should not be taken as exact.

Warranty - Biodegradable paints are used to mark-out the position of the utilities. Before long paint markings may become illegible depending on ground, weather and traffic conditions. No warranty is given in respect of the durability of the paint markings and that they are a complete representation of the sub-surface utilities therefore this drawing should be used as the primary reference for the survey results.

This drawing does not provide an absolute representation of the sub-surface. Utilities have been detected using non-invasive technologies only and the performance can be adversely affected by ground, weather and site conditions outside of SUMO's control therefore some utilities may be undetectable. While SUMO uses reasonable endeavours to detect all utilities it does not warrant that 100% detection will be achieved and that approximate depth penetration of the technologies will be greater than two metres

Irrespective of the information provided by a utility survey and statutory plans, excavation work should be undertaken with extreme caution and in accordance with HSE Guidelines - HSG47 Avoiding Danger from Underground Services

SHEET LAYOUT

PRELIMINARY

Rev	Notes	Drawn	Date

Notes:

Level Datum is arbitrary

Grid Origin is referenced to Clients drawing No.DSOA-SLX.

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Title:	Utilities & Topographical Details
Client:	Croda Europe Ltd
Project:	Croda Europe Ltd, Leek
Date	December 2009
Post Code	
Surveyed:	NC
Drawn:	NC
Checked:	MG
Scale:	1/200 (A1 Sheet)
Dwg No:	
Job No:	
Rev:	