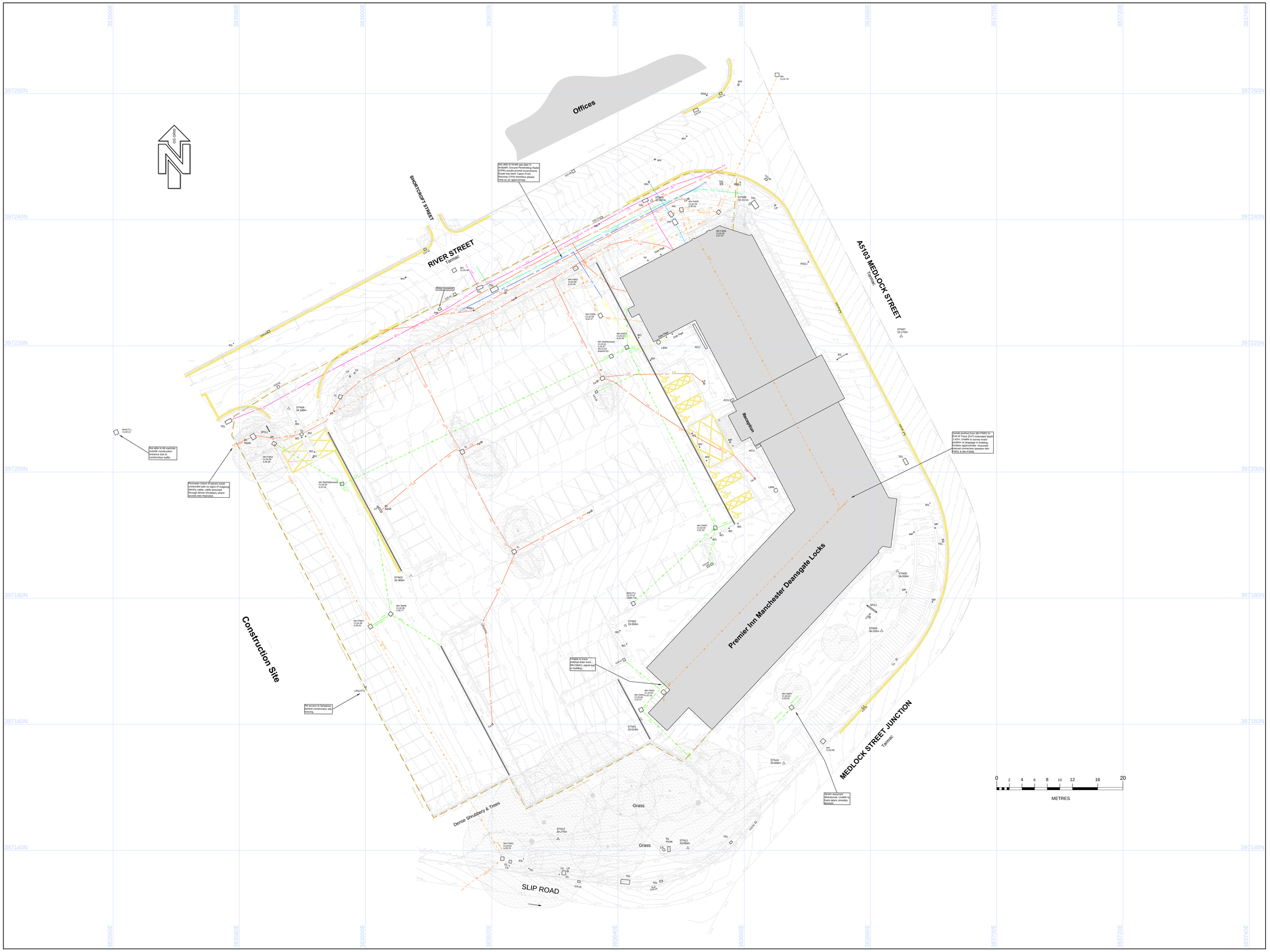

Notes

1. Surveyed May 2019
2. Survey related to Ordnance Survey "OS Net" at control point STN03, using realtime correction received via Trimble Navigations "VRS Now" service. Survey plotted to flat plane metric grid with no local scale factor applied, i.e. LSF 1.00.
3. Levels related to GPS Orthometric height, converted to MSL (Newlyn) by OSGM15.

Control

STN	East	North	Level	Type
STN01	383643.617	397160.822	33.619	Nail
STN02	383641.165	397175.672	33.656	Nail
STN03	383907.186	397183.511	34.369	Nail
STN04	383587.832	397210.102	34.189	Nail
STN05	383645.351	397243.072	32.607	Nail
STN06	383660.871	397242.485	32.217	Nail
STN07	383684.877	397221.526	33.170	Nail
STN08	383681.765	397174.817	34.026	Nail
STN09	383681.765	397174.817	34.026	Nail
STN10	383666.269	397153.839	33.858	Nail
STN11	383651.066	397140.392	33.650	Nail
STN12	383630.499	397141.847	34.275	Peg

** Note **

A range of Electromagnetic location (EML) and Ground Probing Radar (GPR) detection methods are used to obtain the underground information produced in this drawing. Variations in the ground conditions will affect the quality of the data and therefore an absolute affirmation cannot be guaranteed.

The identification of any located service should not be treated as infallible. The originating source may not have been traced.

The location and/or identification of a service will not necessarily indicate whether it is live or dead or identify whether it is a single or multiple service where one or more services may be situated above, below or in close proximity of the indicated line.

All depths of metallic features are to centre of the service, depths on drainage runs are to the pipe invert at the manhole and should be treated as an approximate indication.

Underground drainage has been proven for position using traceable sonde methods, unless otherwise stated. No allowance has been made for sub surface entry into manholes or other chambers or voids below ground level, therefore any details relating to depths, sizes etc, are taken from above ground and as such will be approximate only.

Features not traceable by electromagnetic or sonde techniques, have been located using GPR. Scan boxes indicate locations of recorded progressive GPR scans. Features identified in other areas by "immediate Mark Out" methods only.

These results are not infallible and trial holes should be carried out to confirm service identification, position and particularly depths, where these are critical, in accordance with HSG47 : 2014 - "Avoiding Danger from Underground Services".

This drawing must be read in conjunction with all available statutory undertakers information. It is advised that such information should always be obtained.

Statutory Record Searches

Record drawings have been received from the following statutory undertakers and have been used for background information only, unless indicated otherwise on this drawing:

United Utilities (Clean Water & Waste Water) - 29.11.18
Electricity (Ownership Unknown) - Undated
Openreach - 29.11.18
Cadent Gas "5.383/97" - 31.08.18

- Utilities Survey Boundary
- ELEC — Power Carrying Feature
- WATER — Water Main
- Water Valve
- FOUL — Sewer Foul Water
- RISING MAIN — Sewer Rising Mains
- SURFACE WATER — Sewer Surface Water
- GREY WATER — Sewer Grey Water
- TELECOM — Telecom
- TELE OPTIC — Telecom (Fibre Optic Cable)
- COMMS — Communications
- CATV — Cable Television
- CCTV — Closed Circuit Television
- DUCT — Duct
- Duct (Empty)
- Traffic Signalling
- GPR Detected Feature
- ? — Unknown Metallic Feature
- PIPE — Pipe (use unknown)
- Chamber
- Taken From Records (Any Service)
- Depth to service (depth/width of all types)
- END OF TRACE — End of Trace
- Extent of survey (service continues)
- GPR Scan Box Area (with reference letter)

General

- Every effort is made to identify all visible above ground features. However, please bear in mind that at the time of the survey, some surface features may have been obscured.
- Visible features in the vicinity of the site extents, as detailed on this survey, may not represent the legally conveyed ownership boundaries.

Legend

- Top / Bottom of Bank
- Building / Overhead Canopy
- Wall
- Solid Surface Feature / Road Edge
- Hard / Soft Surface Change
- Kerb / Dropped Kerb
- Back Edge of Kerb / Dropped Kerb
- Combined Kerb & Drainage System
- Drainage Channel
- Road Traffic Sensors
- Fence Line -

BW	Barbed Wire	HR	Hand Rail	PR	Post & Rail
CL	Chain Link	HT	Hand Rail/Rail	SB	Safety Barrier
CH/Hut	Chestnut	MI PR	Metal Post & Rail	SF	Security Fence
CL	Chain Link	OB	Open Bounded	TF	Temporary Fence
CP	Concrete Panel	PA	Palling Fence	WM	Wire Mesh
(D)	Dilapidated	PC	Post & Chain		

- Hedge Line — Bush
- Tree / Scrub Canopy Line — Tree-Deciduous
- O/H Telephone / Electric Cable(s) — Tree-Evergreen
- Rock Face
- Pipe Line (Above Ground)

Trial Pit (with level) · Survey Station · Gate · Electric Pylon
Borehole (with level) · Spot Level · Level Datum · Marsh Land
Woodland Area (Deciduous) · Woodland Area (Coniferous)

Feature Abbreviations

ACU	Air Conditioning Unit	FH	Fire Hydrant	NP	Name Plate
BB	Belisha Beacon	FP	Fence Post	PB	Post Box
BO	Bollard	FL	Flood Light	PM	Parking Meter
BH	Borehole (Ø)	GV	Gas Valve (Level)	PO	Pedestrian Push Box
BP	Boundary Post	GP	Gate Post	RE	Rodding Eye
BS	Bus Stop	GAS	Gas Cover	RS	Road Sign
CATV	CATV TV Cover	KO	Kerb Offset	RSG	Road Sign (LG)
CCTV	Close Circuit TV	LB	Lighting Beacon	SWP	Rain Water Pipe
COL	Column	LC	Lamp Column	SH	Sign Head
CP	Concrete Post	LP	Lamp Post	SP	Sign Post
DWB	Dog Waste Bin	ME	Meter	SPG	Sign Post (LG)
DP	Down Pipe	MH	Manhole	TCC	Traffic Signal Camera
EP	Electricity Pole	MP	Marker Post	STAT	Stadia Sta.
ER	Earth Rod	MEP	Metal Post	SV	Stop Valve

SVP	Soil Vent Pipe
TAP	Stand Pipe
TCB	Telephone Box
TCP	Telephone Cover
TL	Traffic Light
TP	Telephone Pole
TS	Traffic Signal Cover
VP	Vent Pipe
WC	Water Meter
WO	Wash Out
WV	Water Valve
WCO	Waterline Cover
UC	Unable to Lift
Ø	Diameter

Description Abbreviations

Asmt Ht.	Attached Route	Fle Bd	Flower Bed	O/H	Overhead
BkDrp	Back Drop	FW	Foul Water	OSBM	Ordnance Survey
Bk	Brick	GTrp	Grease Trap		Bench Mark
BusSRO	Bus Stop Kerb	Ht	Height	ReWall	Retaining Wall
C	Centre	Int	Interior	SpdRd	Speed Ramp
CDA/SS	Combined Drainage & Kerb System	Intcptr	Interceptor	Spd Rd	Speed Reducer
Conc	Concrete	Lvl	Level	St	Stone
CPit	Catch Pit	m	Metres	STN	Station
CrkdKB	Cracked Kerb	mm	Millimetres	SW	Surface Water
Dm Chnl	Drainage Channel	MSL	Mean Sea Level	TP	Telephone Pole
		No.	Number	Tmac	Tarmac

Level Prefix

AL	Arch Level	RL	Road / Ridge Level	TCB	Top of Steel Level	FFL	Finished Floor Level
CL	Cover Level	SL	Soffit Level	TOB	Top of Wall Level	1stFFL	1st Finished Floor Level
DPC	Damp Proof Course	SpL	Sampling Level	WLI	Wil Level		
IL	Invert Level	TBL	Top of Barrier Level	WL	Water Level (no date & Time)		
TL	Tread Level	TCL	Top of Channel Level				
		TOP	Top of Kerb Level				

Do Not Scale - If In Doubt Ask!

Digital File 4593_20.dwg — Original Size A0

No.	Description	Date	Signed

Revisions

Drawing Status: FINAL

Surveyed WM	Date 24.05.19	Scale 1:200
Drawn WM	Sheet 1 of 1	Approved AF

Client: Whitbread Group Plc

Title: Topographical & Utilities Survey

Project: **Premier Inn Deansgate Locks**
Medlock Street
Manchester

Drawing No. 4593/20/001 — Rev. -

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