

1.6 INCOMING SUPPLIES – EMERGENCY CONTACTS / PLANS OF SERVICES TO SITE

1.6.1 Emergency Contact Details

Service	Company	Contact telephone number
ELECTRICITY SUPPLY	SSEN	0345 0707373
GAS SUPPLY	British Gas	0800 111999
DATA CABLING	BT	0800 0232023
WATER SUPPLY	Thames Water	0800 3169800

Useful Information in Case of an Emergency

What to do if your electricity goes off

Firstly, it is important that you check if it is just your electricity that is off or if other people are affected too, if the problem is affecting other people then you can call the Emergency Help Line number for the distribution company where you live. They will advise you on how long it will take to restore supply to your home or business.

Your local electricity distribution company is responsible for the power supply in your area. They are responsible for the wires and cables that connect your home or business to the National Grid. The event of a power cut that affects other houses or business in your area; you should contact your local distribution company.

If yours is the only home or business that is off supply, check your trip switch. If your trip switch is in the off position switch it back on. If it switches off again, one of your electrical appliances may be faulty. To find out if this is the case, switch off all your appliances, set the trip switch to the on position and switch on your appliances one by one. If the trip switch goes off again then you have found the faulty appliance.

Gas

If you smell gas or are worried about gas safety, call the National Gas Emergency Number IMMEDIATELY on 0800 111 999.

- DON'T smoke
- DON'T use naked flames
- DON'T turn electric switches on or off
- DO turn off the gas supply at the meter
- DO open doors and windows

SECTION 1.6: INCOMING SUPPLIES -

PLANS OF SERVICES TO SITE

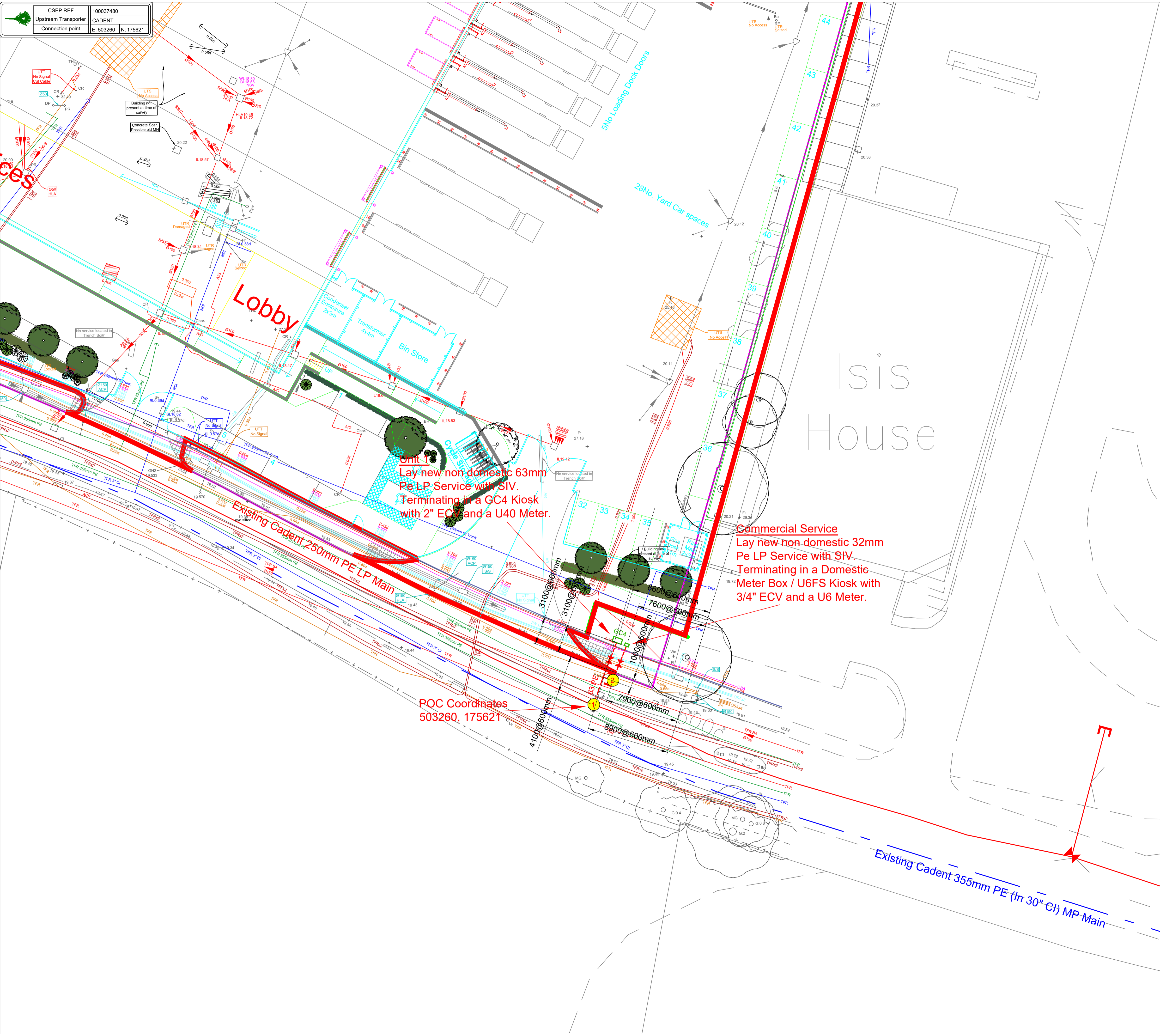
1.6.2 Plans of Services to Site

The Drawings follow in this section:

Do not allow any future contractors to dig within the building footprint without all statutory Health and Safety precautions and a full survey being undertaken.

Suppliers details		
Drawing Number	Drawing Title	Rev
9748-002	Electric as Laid	-
9748-001	Gas as Laid	-
P23025-WMB-EX-00-DR-M-0800	External Gas & Water Services Layout	AF
UM-223-0260-P-0001	Utility Mapping Survey	-
UM-223-0347-P-0001	Utility Mapping Survey	-
UM-223-0347-P-0002	Utility Mapping Survey	-

**UNCONTROLLED
WHEN PRINTED**



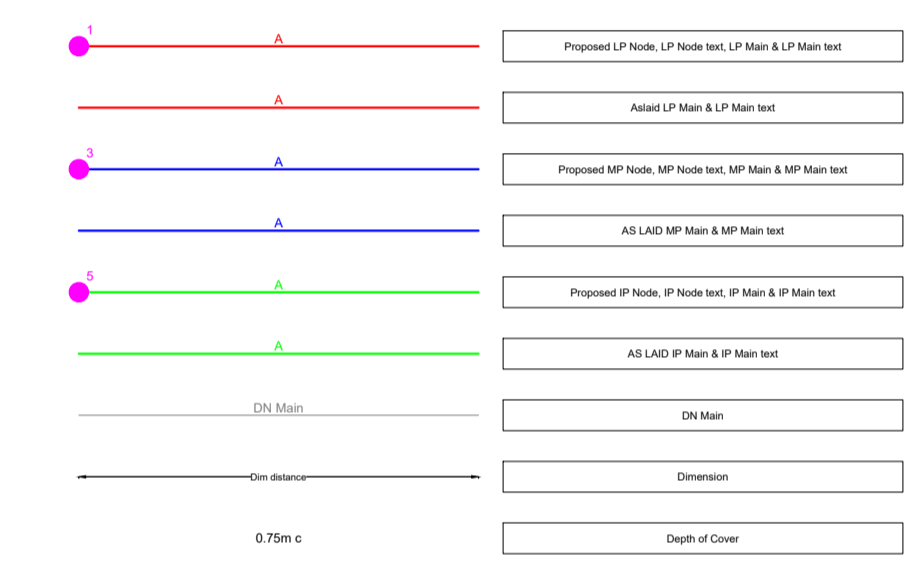
Unit 1
Lay new non domestic 63mm
Pe LP Service with SIV.
Terminating in a GC4 Kiosk
with 2" ECV and a U40 Meter.

Commercial Service
Lay new non domestic 32mm
Pe LP Service with SIV.
Terminating in a Domestic
Meter Box / U6FS Kiosk with
3/4" ECV and a U6 Meter.

POC Coordinates
503260, 175621

New Service Details					
Property	Pressure	Coordinates	Main Size & Length	Connection Detail	Depth
PANATTONI POYLE	LP	503260, 175621	63mm Pe (4M)	63MM TOP OUTLET SERVICE TEE	600MM

Additional Layers



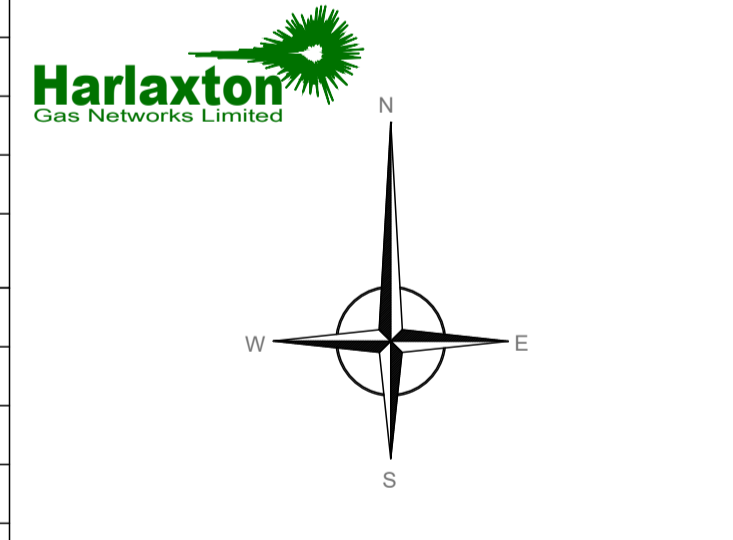
Materials	Description
DI	Ductile Iron Main
CI	Cast Iron Main
ST	Steel main or service
MDPE (17.6)	Medium Density Polyethylene (SDR Rating) main or service
HDPE (11)	High Density Polyethylene (SDR Rating) main or service

Key for Mains & Service Pipework

	Existing LP mains or services operating up to 75 millibar gauge
	Proposed LP mains or services operating up to 75 millibar gauge
	Existing MP mains or services operating between 75 millibar and 2 bar gauge
	Proposed MP mains or services operating between 75 millibar and 2 bar gauge
	Existing IP mains or services operating between 2 bar and 7 bar gauge
	Proposed IP mains or services operating between 2 bar and 7 bar gauge

Drawing Nomenclature

	Change in diameter nominal bore
	Mains not connected
	Valve
	Pressure Regulator
	Cap End
	Pressure / Purge point
	0.8m C
	Node



Drawn by: S.R. Scale: 1:20 @ A1 Date created: 11.07.24

DRAWING TITLE
PANATTONI POYLE
HORTON ROAD, POYLE
SLOUGH, WEST BERKSHIRE
SL3 0BB

Issue Number:	SHEET:	Printed:
9748-001	REV:	11/Jul/2024

REV	DETAILS OF REVISION	Date

Pipe Lengths (m)						
LP	90mm	125mm	180mm	250mm	315mm	355mm
4						

SSEN REFERENCE: FBN900/2 & FBP492/1
HARLAXTON Reference: 9748

Site Address: E23-047
 Panattoni Park
 Horton Road
 Poyle
 West Berkshire
 SL3 0BB

Client: Winvic Construction Ltd
 Brampton House
 19 Tenter Road
 Moulton Park
 Northampton
 NN3 6PZ

Principal Designer: CDM Contract Services
 Andrew Pearson
 Tel: 07707 988256

Principal Contractor: Winvic Construction Ltd
 Brampton House
 19 Tenter Road
 Moulton Park
 Northampton
 NN3 6PZ

ICP Electrical Designer: Harlaxton Engineering
 Simon Rogerson
 07821 863593

ICP Project Manager: Harlaxton Engineering
 Will Hibbert
 07912 786214

SCOTTISH & SOUTHERN ELECTRICITY Reference: FBN900/2 & FBP492/1
IDNO: HARLAXTON ENERGY NETWORKS LTD
Harlaxton Energy Networks Ltd Reference: HARL000862

Address: Harlaxton Energy Networks
 Toll Bar Road
 Marston
 Grantham
 Lincolnshire
 NG32 2HT

Contact Numbers: 0844 800 1813 (General)
 0800 055 6288 (Emergency)

Email: General -info@harlaxtonenergynetworks.com
 Emergency -emergency@harlaxtonenergynetworks.com

HV/LV CABLE / PLANT / EQUIPMENT SCHEDULE & TECHNICAL DETAILS:
SCOTTISH & SOUTHERN ELECTRICITY NETWORKS (SSEN) DETAILS / DESCRIPTION
 POC LOAD: 500 KVA

11KV POC FOR A TOTAL SUPPLY OF 500 KVA SUPPLY:
 RELOCATION OF EXISTING FOREST ENGINEERING S/S TO THE NEW LOCATION SHOWN.

HARLAXTON TO INSTALL 1 X NEW HV METERED SUBSTATION WITH EARTHING, HOUSED IN A TR6 ENVICO GRP.
 HARLAXTON TO EXCAVATE 2 X HV STRAIGHT JOINT BAYS & REINSTATE GROUND.
 HARLAXTON TO INSTALL 2 X 10M 300MM³ SC XLPE AI FROM POC 1 & POC 2 TO NEWLY INSTALLED RMI.
 HARLAXTON TO ADOPT, SUBSTATION, GRP HOUSING, EARTHING & METERING UNIT.

SSEN TO CARRY OUT 2 X 11KV STRAIGHT JOINTS AS PER DRAWING 'EZJ533_002_20230502_DESIGNDOCUMENT'.
 SSEN TO DISMANTLE 2 X EXISTING SUBSTATIONS 'FOREST ENGINEERING' & 'PRICE & EDWARDS'.
 SSEN TO ADOPT NEWLY INSTALLED RING MAIN UNIT, 2 X HV CABLES & 1 X LV CABLE.
 SSEN TO CARRY OUT ALL CLOSING JOINTS FOR BOTH THE HV & LV NETWORKS.

HV CABLE
 2 X 300MM³ SC AI XLPE 11KV CABLE TO BS 7870 SECTION 4-20. THE CONDUCTORS SHALL BE TRIPLE EXTRUDED TREE RETARDANT XLPE INSULATED WITH COLD STRIPPABLE INSULATION SCREEN, WITH WATER BLOCKED STRANDED OR SOLID ALUMINIUM CONDUCTORS. PHASE IDENTIFICATION AND COPPER WIRE SCREEN. THE OVERSHEATH SHALL BE LV STABLE L DLOPE COLOURED RED. (APPROVED SUPPLIERS - PRYSMIAN)
 SSEN INTERNAL STOCK CODE: 015041

POC 1 TO SUBSTATION = 10M
POC 2 TO SUBSTATION = 10M
TOTAL LENGTH OF 11KV CABLE REQUIRED = 20M

11KV CABLE TO BE LAID IN 150MM ID DUCTS WITH MINIMUM SPACING OF 200MM. CABLES WILL BE SURROUNDED BY A STONE FREE, FINE BACKFILL MATERIAL. THIS MAY BE SUITABLY GRADED EXCAVATED MATERIAL OR SAND. A 75MM LAYER WILL BE PLACED BELOW AND ABOVE THE CABLE.

JOINTS & TERMINATIONS
 11KV JOINTS TO BE CARRIED OUT BY SSEN AS NON-CONTESTABLE WORKS.
 JOINTS - TE CONNECTIVITY ENERGY'S STANDARD MXSU RANGE.
 TERMINATIONS - 300MM (LUG TYPE) TE CONNECTIVITY ENERGY'S STANDARD IXSU RANGE

CABLE WARNING TAPE
 CABLE MARKER / WARNING / CAUTION TAPE. 150MM X 0.05MM YELLOW CAUTION PLASTIC TAPE CABLE MARKER "CAUTION ELECTRIC CABLE BELOW" 150 MM WIDE (ROLL 366 M) - MANUFACTURED BY CENTRIFORCE - MANUFACTURERS REFERENCE: P-TX-YW365X150X100LD504 - SSEN STOCK NUMBER: 118718

RING MAIN UNIT
 PROPOSED TO INSTALL 1 X SCHNEIDER ELECTRIC 300 AMP SFS INSULATED VACUUM CIRCUIT BREAKER FREESTANDING WITH TLF PROTECTION. CT RATIO 50 TO 5 WITH 10 AMP FUSES ALL CONTAINED WITHIN A COMMON SFG GAS INSULATED STAINLESS STEEL ENCLOSURE. PRE WIRED FOR CB AND RING SWITCH ACTUATORS. RING CABLE BOXES WITH BLANK ALUMINIUM GLAND PLATES FITTED HOUSED IN AN IDNO HV METERED SUBSTATION.
 HARLAXTON WILL INSTALL AND ADOPT THE BUILDING & METERING UNIT. SSEN WILL ADOPT THE RMI.
 SCHNEIDER PART NUMBER: RASS8809
 SSE INTERNAL STOCK CODE: 088088
 SSE INTERNAL STOCK CODE FOR 10 AMP TLF FUSES: 033675

EARTHING
 70MM² SARE COPPER EARTH CABLE LAID AROUND SUBSTATION PERIMETER WITH 2 X 120MM² EARTH RODS IN EACH CORNER (2400MM DEEP). OVERALL EARTH RESISTANCE WITH 11KV CABLE NETWORK TO BE LESS THAN 50 OHMS.

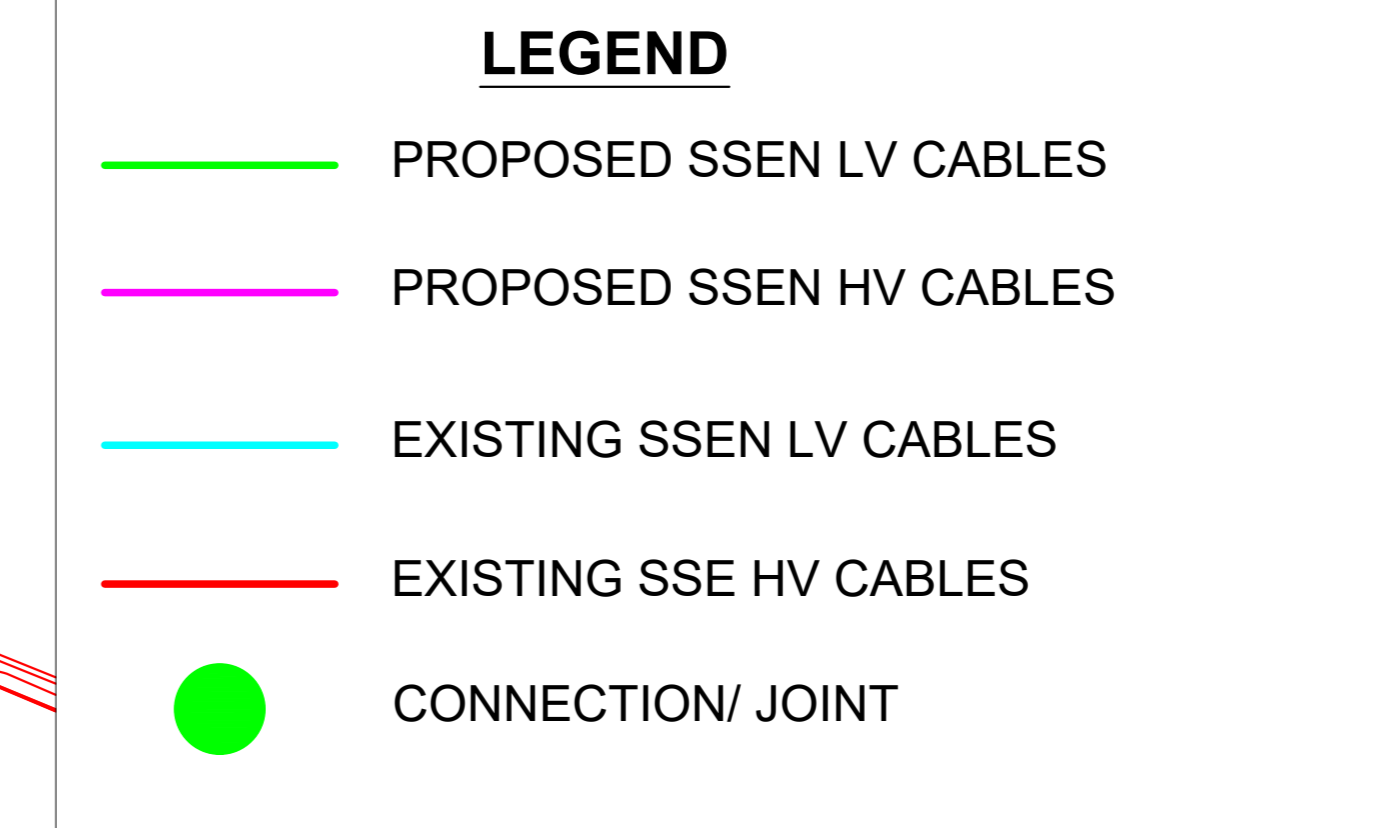
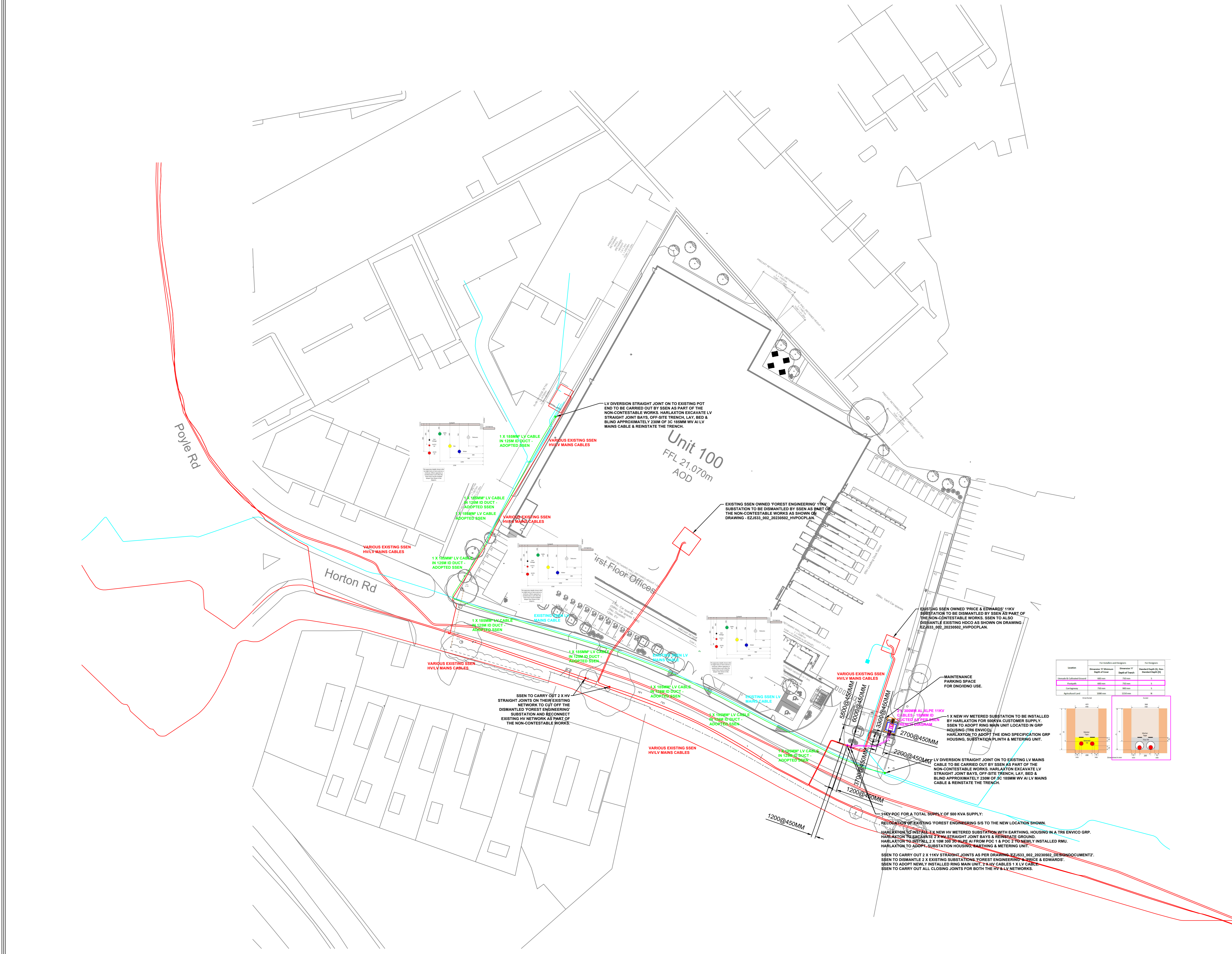
LV POINT OF CONNECTION - DIVERSIONS TO RECONNECT EXISTING LV FEEDER:
 HARLAXTON TO EXCAVATE LV JOINT BAY OUTSIDE 'STEEL FABRICATIONS S/S' FOR LV DIVERSION.
 HARLAXTON TO INSTALL 230M OF NEW 3C 185MM² WY ALV CABLE OFF SITE - STOCK CODE 010312
 HARLAXTON TO INSTALL LV STRAIGHT JOINT AT APPROX. 200M.
 HARLAXTON TO EXCAVATE, LAY, BED & BLIND ALL NEWLY INSTALLED LV DIVERSION CABLE TO SSEN SPECIFICATION.
 SSEN TO CARRY OUT BOTH LV CLOSING STRAIGHT JOINTS ON NEWLY INSTALLED DIVERTED CABLE.
 SSEN TO ADOPT ALL NEWLY INSTALLED LV CABLE.

HV/LV CABLE / PLANT / EQUIPMENT SCHEDULE & TECHNICAL DETAILS:
IDNO HARLAXTON ENERGY NETWORKS DETAILS / DESCRIPTION

SUBSTATION HOUSING
 GRP HOUSING COMPLETE WITH EXPLOSION RELIEF VENTS TO HARLAXTON ENERGY NETWORKS SPECIFICATION ENVICO TR6

METERING UNIT
 SCHNEIDER OR LUCY TYPE METERING UNIT TO HARLAXTON ENERGY NETWORKS SPECIFICATION

EARTHING
 EARTHING TO BE PME (TN-C-S).



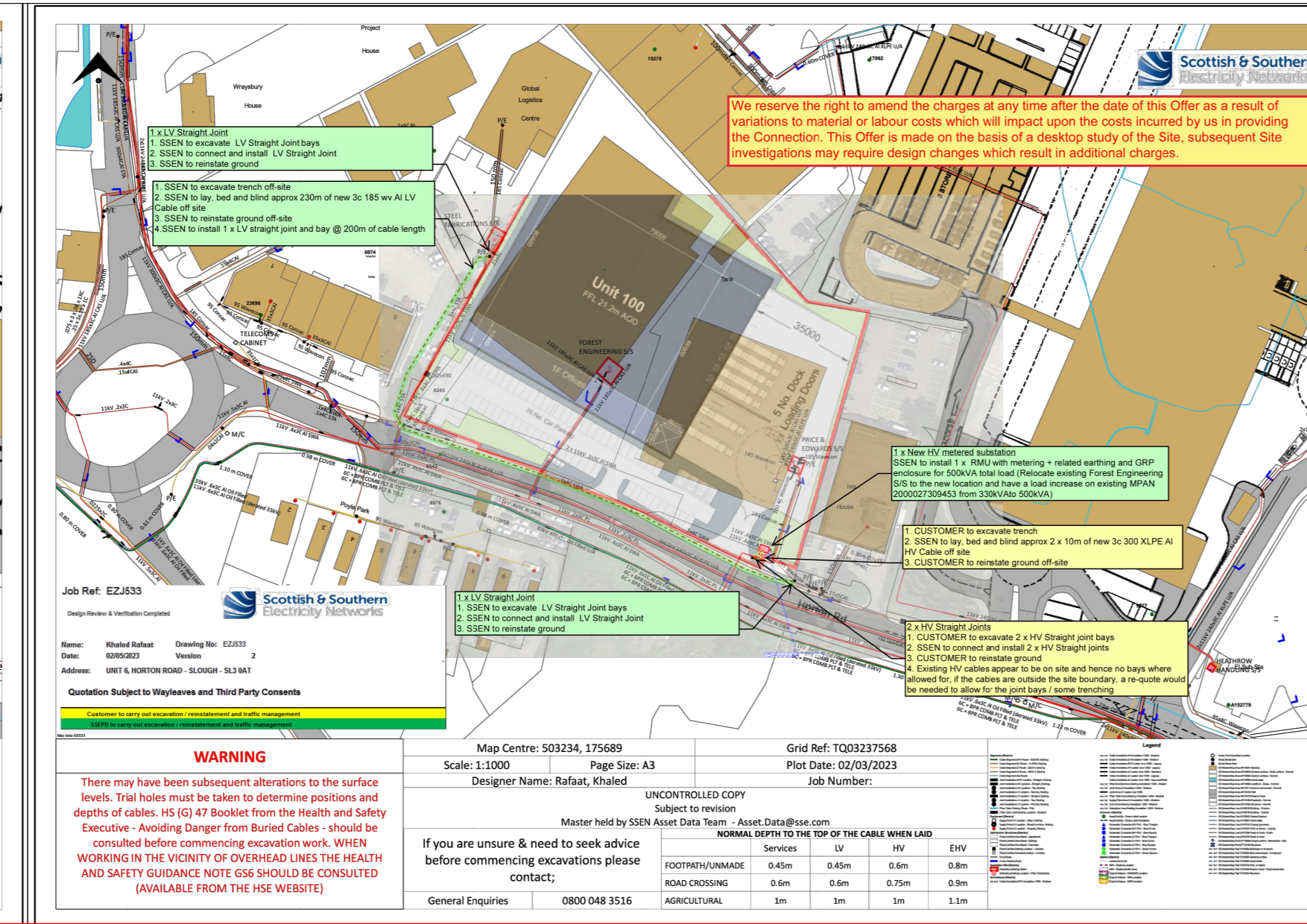
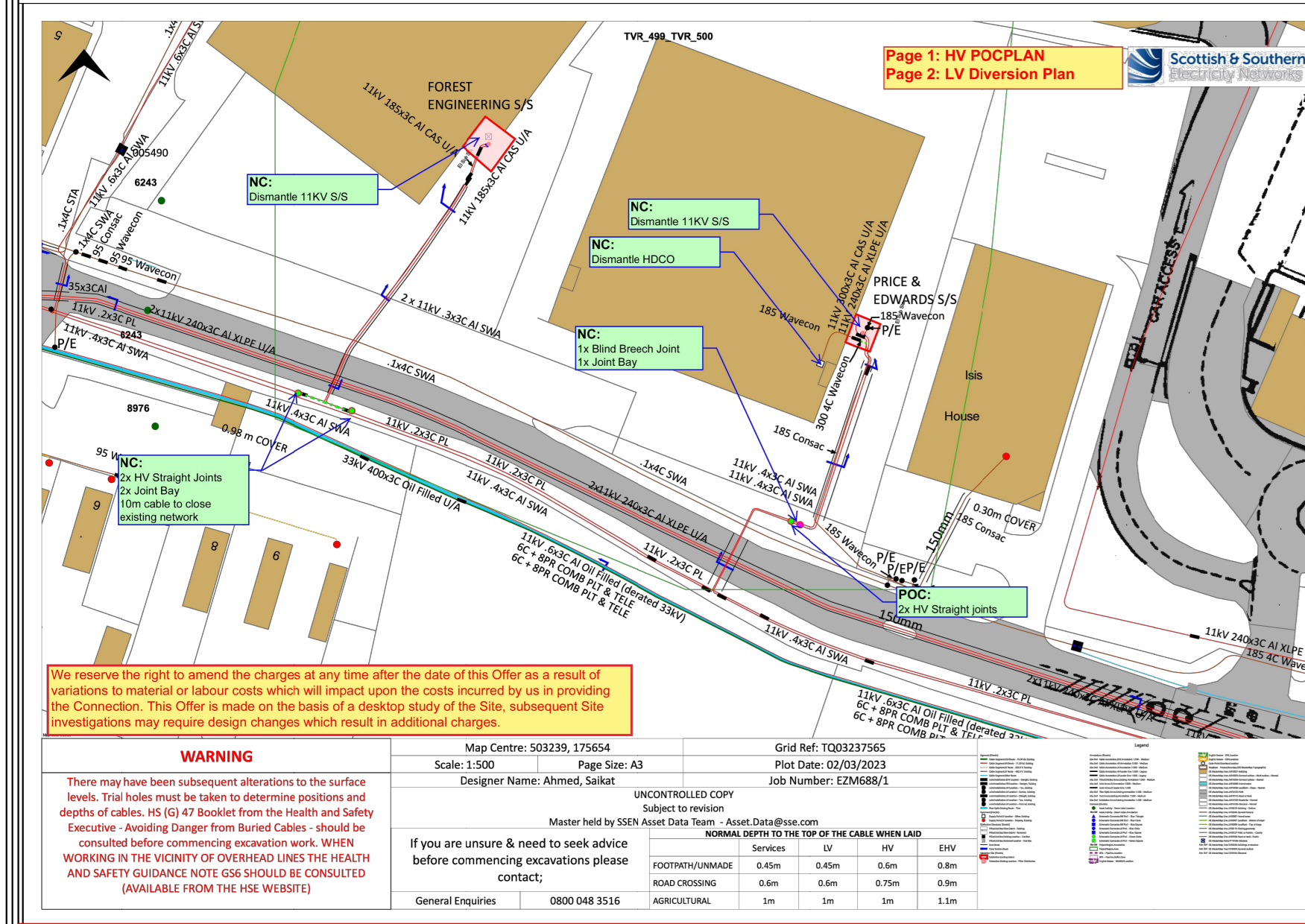
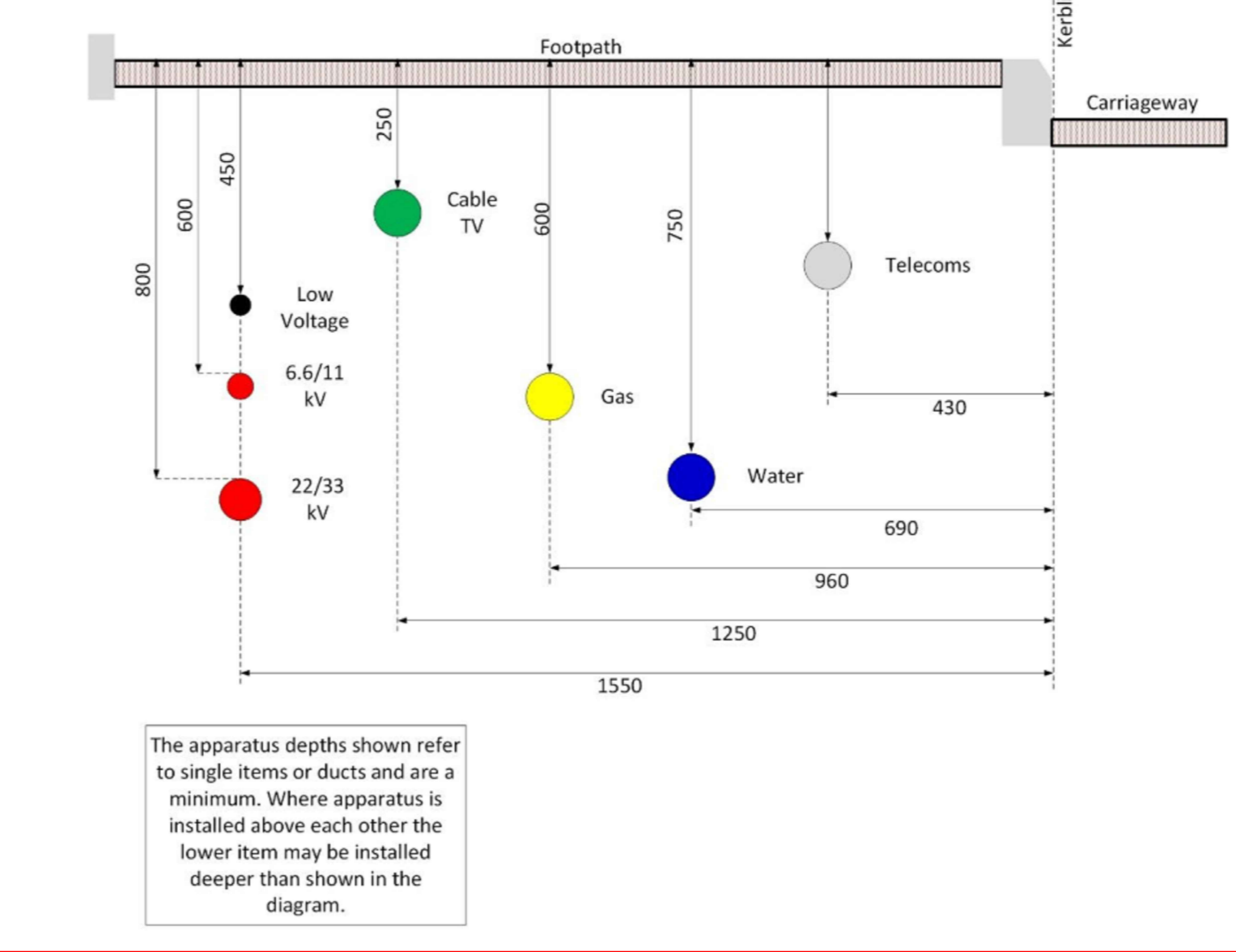
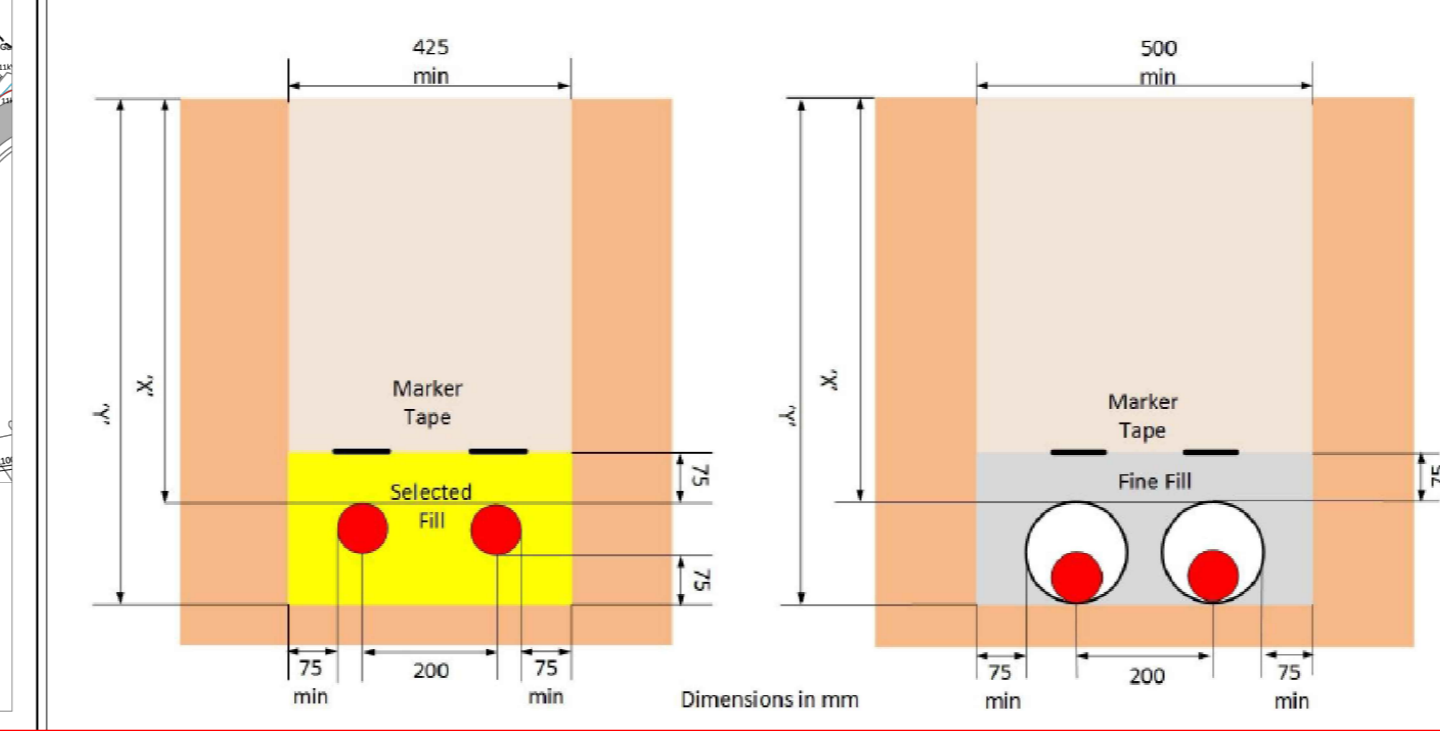
ELECTRIC LV DUCTS MUST BE COLOURED BLACK
(SEE SIZE IN SPECIFICATION)

GAS DUCTING MUST BE COLOURED YELLOW

WATER DUCTING MUST BE COLOURED BLUE

CABLE MARKER / WARNING / CAUTION TAPE. 150MM X 0.05MM YELLOW CAUTION ELECTRIC CABLE MARKER TAPE TO BS-12-23 SHALL BE USED FOR LV SERVICES, LV MAINS AND 11KV MAINS.

Location	For Installers and Designers		For Designers
	Dimension 'X' Minimum Depth of Cover	Dimension 'Y' Depth of Trench	Standard Depth (S), Non-Standard Depth (N)
Unmade & Cultivated Ground	600 mm	750 mm	S
Footpath	600 mm	750 mm	S
Carriageway	750 mm	900 mm	S
Agricultural Land	1000 mm	1150 mm	N



AS LAID

REV	AMENDMENT	BY	DATE

Harlaxton
 Engineering Services Limited

Toll Bar Road
 Marston
 Grantham
 NG32 2HT
 Tel: 0844 335 8897

CLIENT: WINVIC CONSTRUCTION LIMITED
 BRAMPTON HOUSE, 19 TENTER ROAD
 MOULTON PARK, NORTHAMPTON, NN3 6PZ

PROJECT: PROPOSED COMMERCIAL DEVELOPMENT
 E23-047, PANATTONI PARK, HORTON ROAD
 POYLE, WEST BERKSHIRE, SL3 0BB

TITLE: ELECTRIC ROUTES

SCALE	DRAWN	W.F.	DESIGNED	S.R.
1:500 @ A0	RH	RH	RH	RH

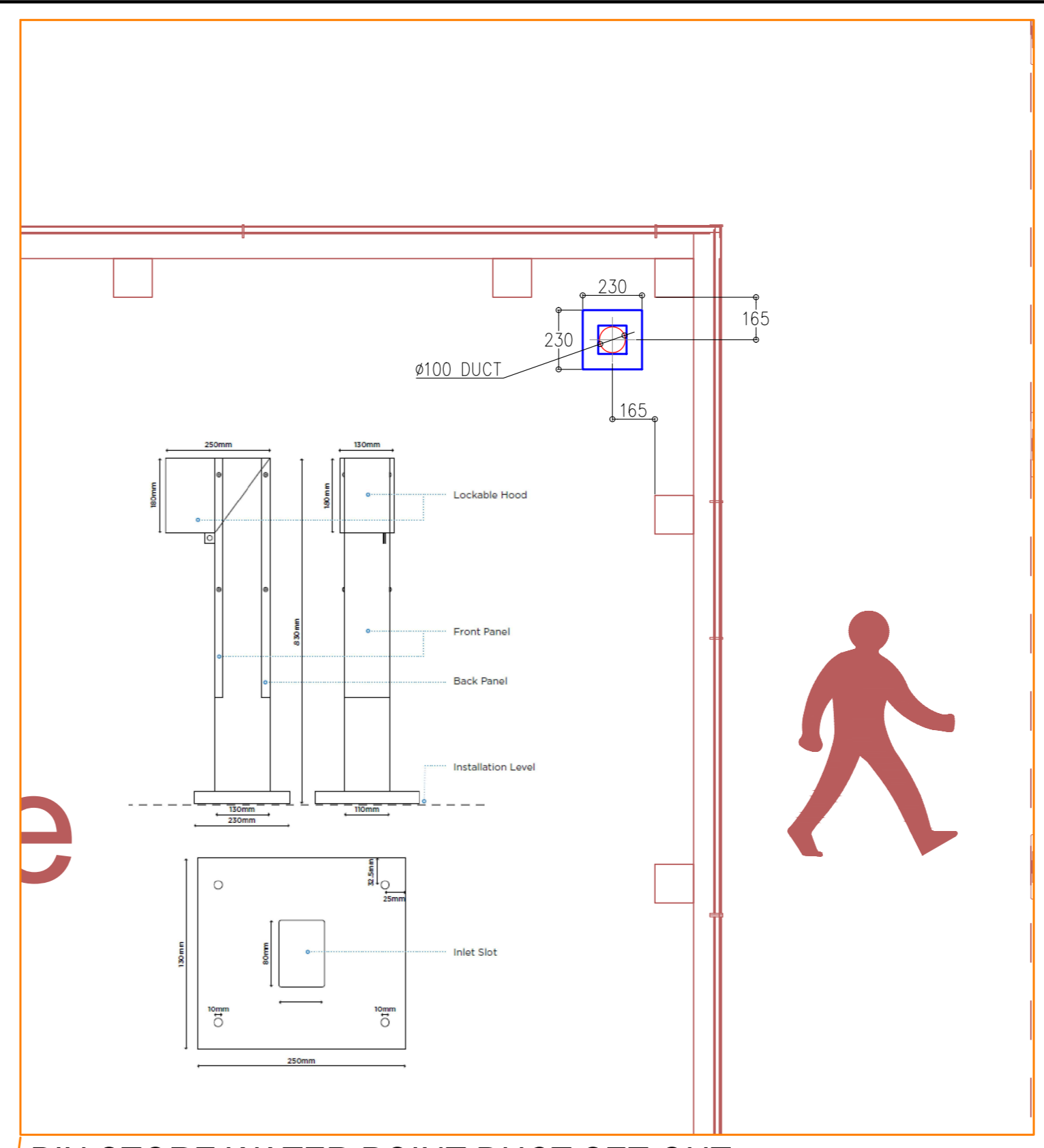
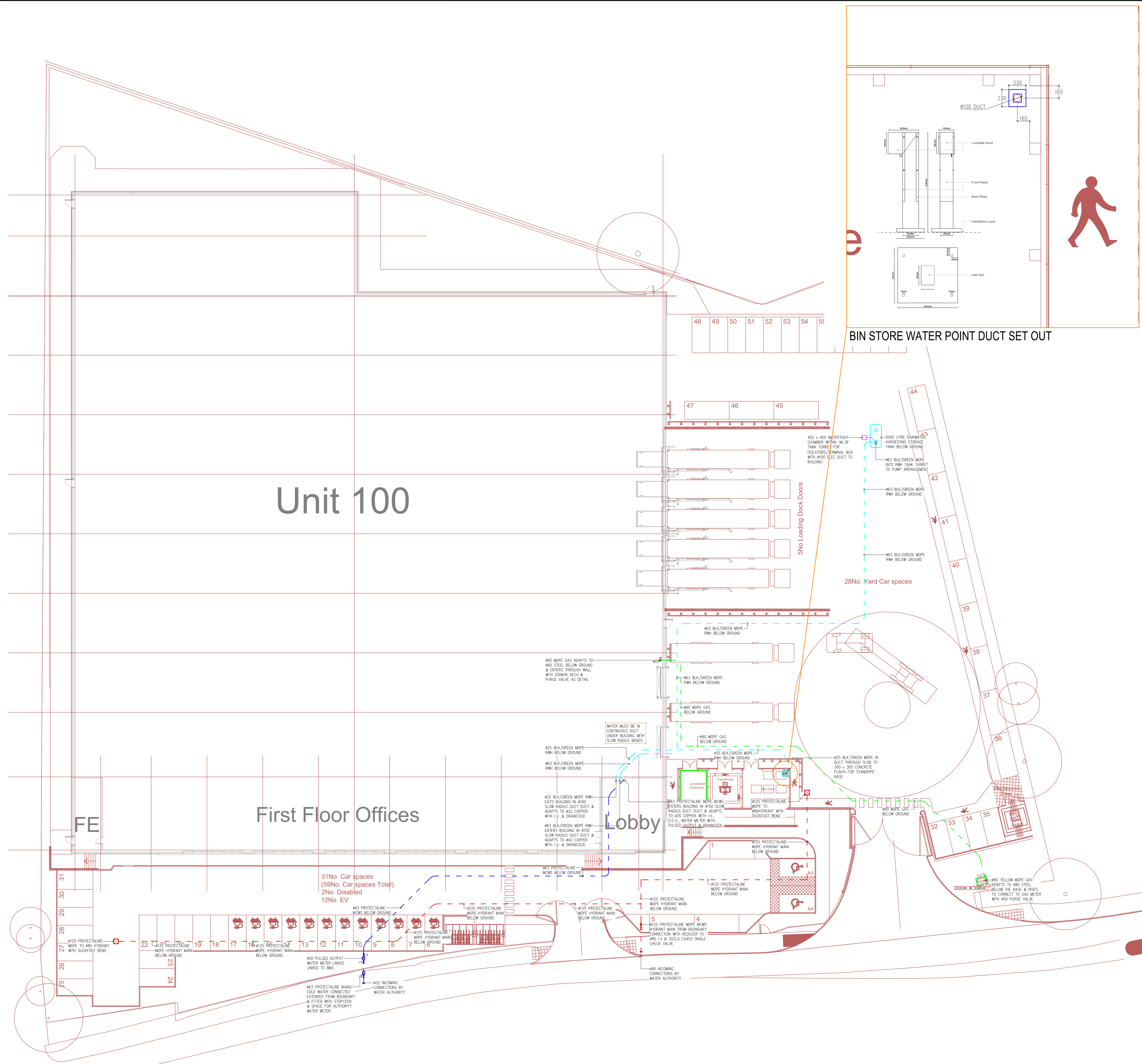
CHECKED: RH **AUTHORISED:** RH **DATE:** 12.04.24

DRG. NO.: 9748-002

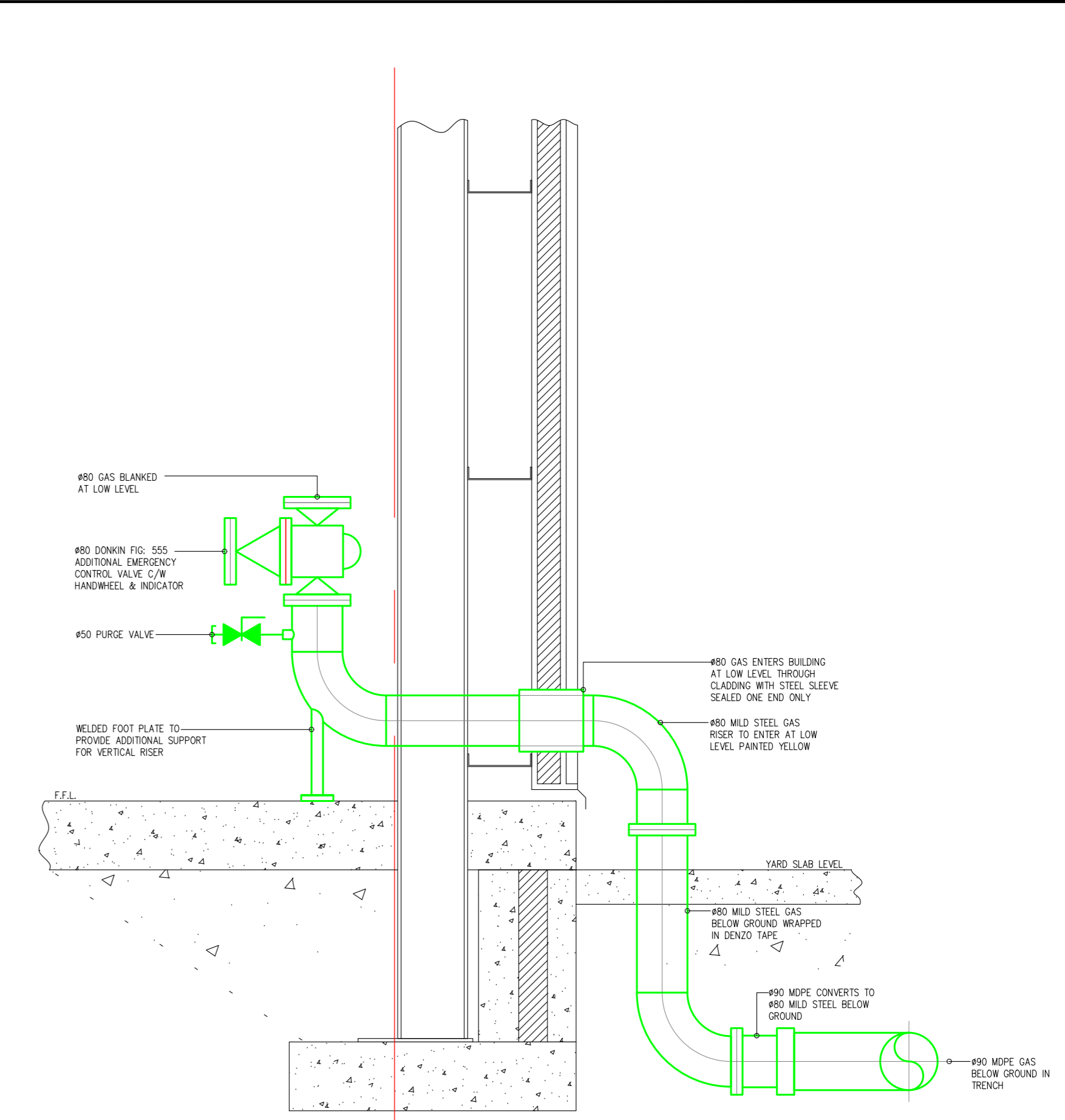
REV

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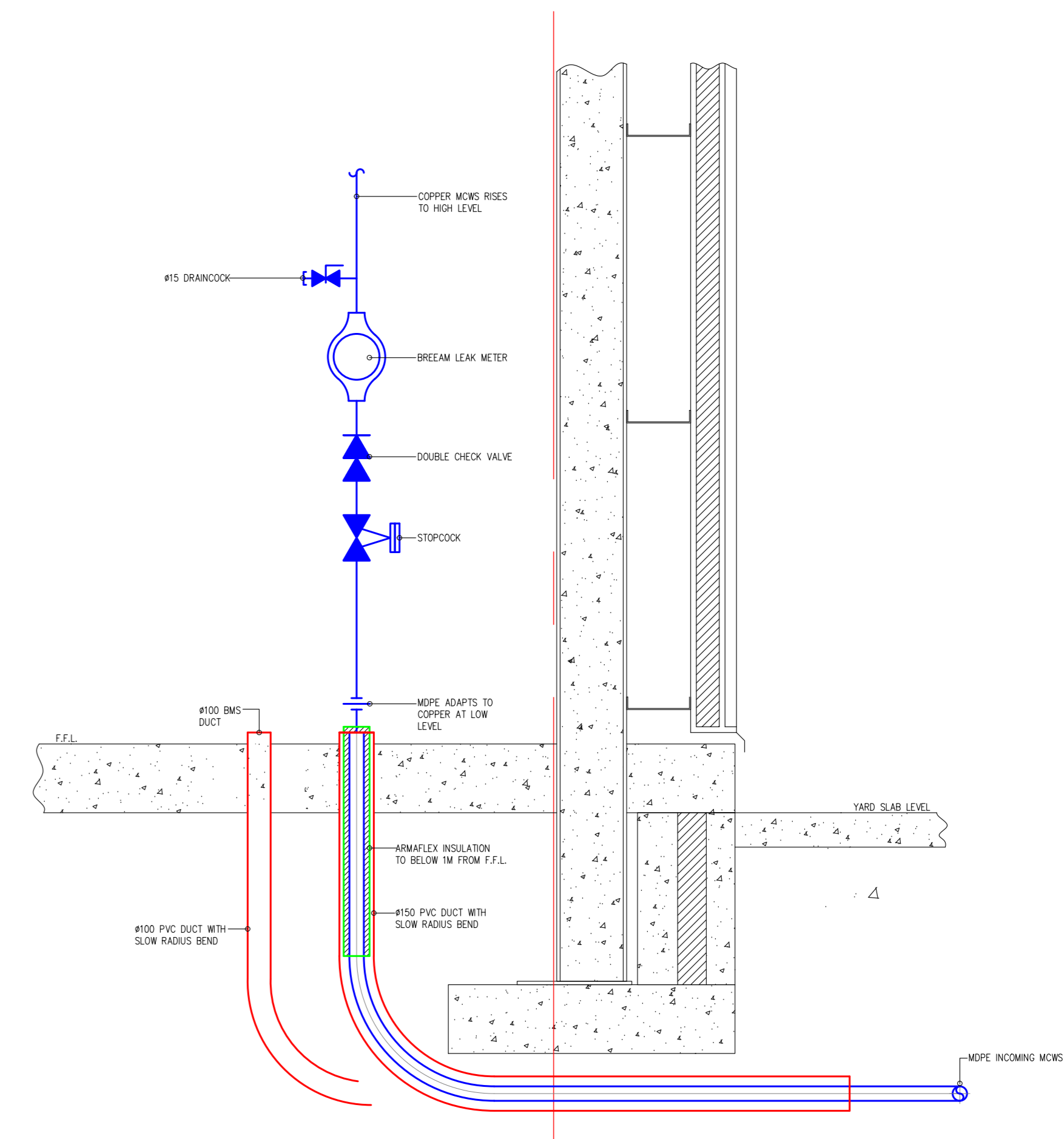
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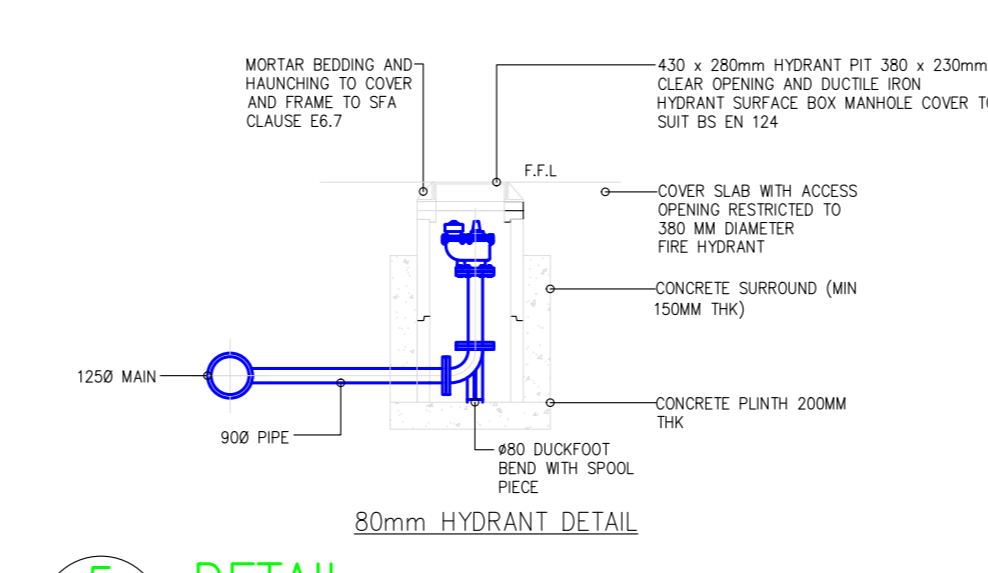
BIN STORE WATER POINT DUCT SET OUT



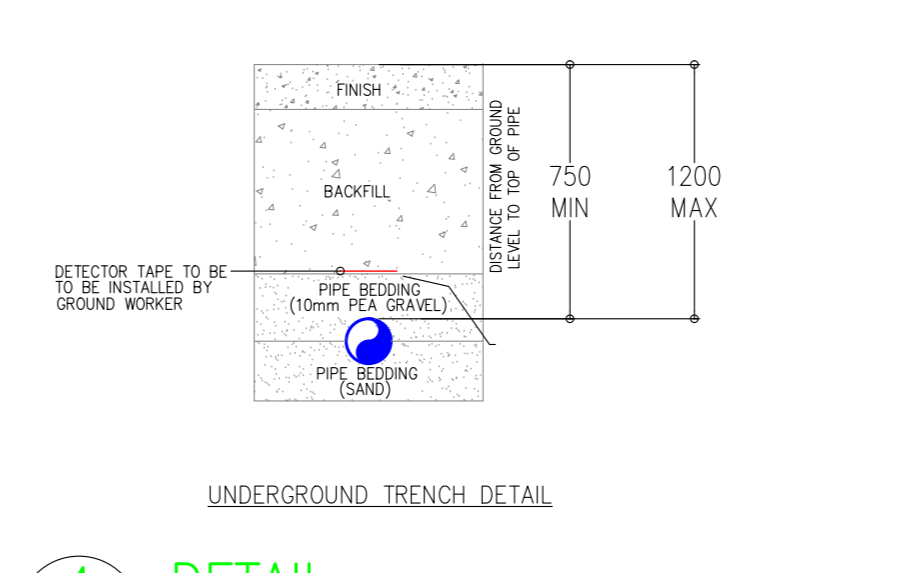
1 DETAIL
TYPICAL GAS MAIN ENTRY INTO BUILDING



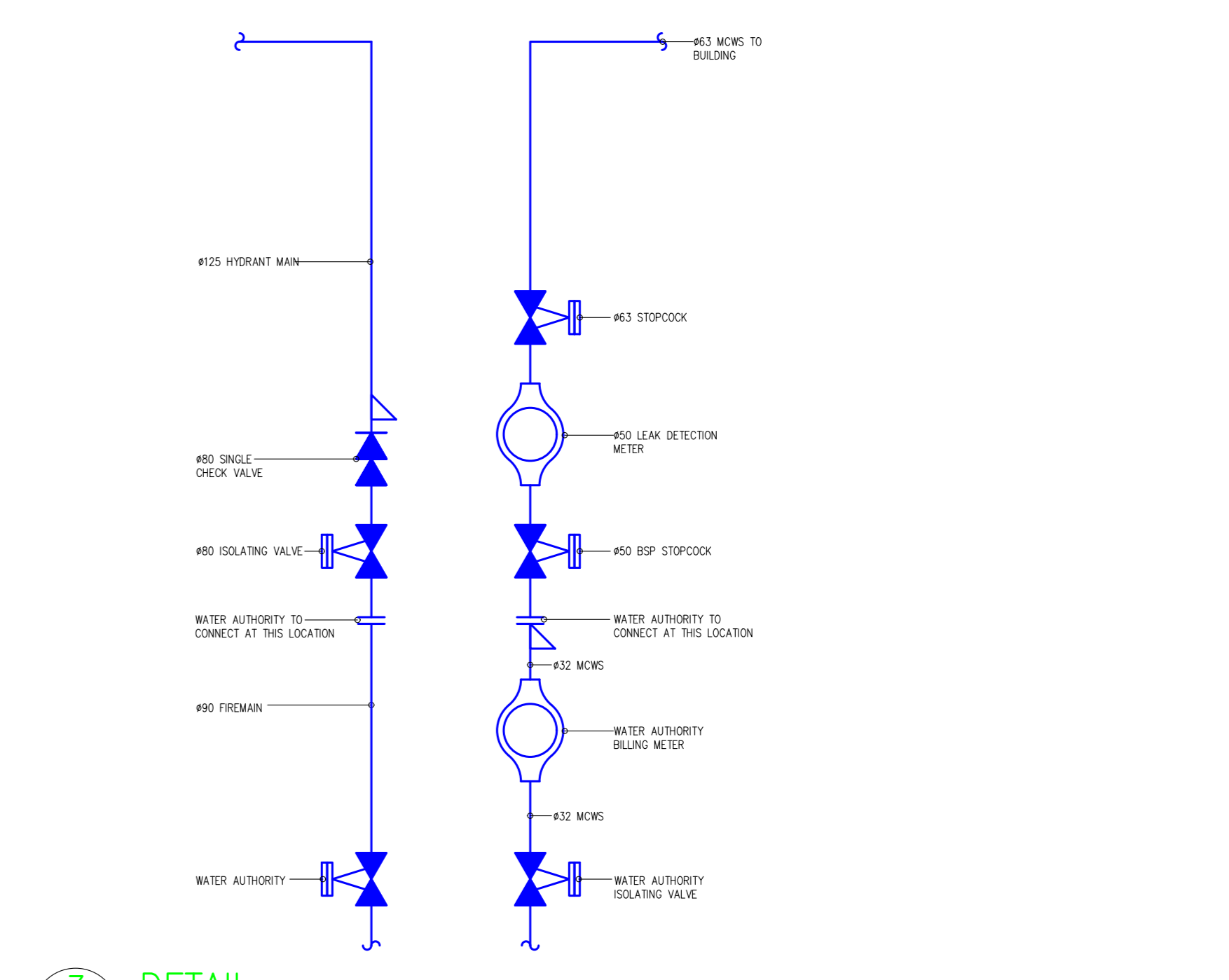
2 DETAIL
TYPICAL WATER MAIN ENTRY INTO BUILDING



5 DETAIL
HYDRANT DETAIL



4 DETAIL
TRENCH DETAIL



3 DETAIL
BOUNDARY WATER CONNECTION DETAIL

- NOTES
1. ALL WATER MAINS INSTALLED IN PROTECTALINE MOPE SDR17 WITH ELECTRO FUSION FITTINGS.
 2. ALL PIPEWORK LAID INTO A FULLY SANDED TRENCH TO PROVIDE A MINIMUM COVER OF 750mm.
 3. PIPEWORK LAID ONTO A MINIMUM OF 150mm SAND BELOW AND ABOVE CROWN.
 4. ALL CHAMBERS AND COVERS PROVIDED AND INSTALLED BY THE MAIN CONTRACTOR.
 5. ALL PIPEWORK BACKFILLED AND MARKER TAPE LAID BY THE GROUNDWORKER ABOVE THE PIPE SERVICE.
 6. ALL PIPEWORK CHANGES OF DIRECTION TRENCHED AT 90° OR 45° ANGLES.

REV	DATE	DESCRIPTION	BY

WM BUILDING SERVICES (LEICESTER) LTD
 657 Melton Road
 Thurmaston
 Leicester
 LE4 6BB
 Tel: (0116) 311 2477
 Fax: (0116) 260 9537
 Email: office@wmbuildingservices.com
 Web: www.wmbuildingservices.com

Project: **PANATTONI HORTON ROAD POYLE**

Client: **winvic**

Title: **External Gas & Water Services Layout**

Scale of A5	Date: 17.01.24	Designed: L.S.	Drawn: L.S.	Design Check: L.S.
Drawing No:	P23025-WMB-EX-00-DR-M-0800			
Rev:	-			

AS FITTED

Underground Services Abbreviations

A	Approximate	IL	Invert Level
AC	Asbestos Cement	INT	Intercepter
BD	Back Drop	NVD	No Visible Ducts
BL	Base Level	NVP	No Visible Pipes
BR	Brick	NVE	No Visible Exit
CI	Cast Iron	OF	Offset Fill Point
CO	Concrete	OSA	Outside Survey Area
CP	Catch Pit	PE	Polyethylene Pipe
CPL	Catch Pit Base Level	PVC	Polyvinyl Chloride
CR	Cable Riser	PR	Pipe Riser
d	Depth to Service (in metres)	PS	Poor Signal
DI	Ductile Iron	PT	Pea Trap
ED	Empty Duct	RM	Rising Main
EOT	End of Trace	SA	Sidewalk
GPR	Ground Penetrating Radar	SN	Swan Neck
GRP	Glass Reinforced Plastic	SI	Spun (Grey) Iron
GR	Gas Riser	SL	Silt Level
HV	High Voltage	SS	Stainless Steel
HDPE	High Pressure Polyethylene	T	Tank
		UTF	Unable to Find
		UTGA	Unable to Gain Access
		UTL	Unable to Lift
		UTR	Unable to Rod
		UTS	Unable to Survey
		UTT	Unable to Trace
		VC	Vitrified Clay
		VR	Vapour Recovery
		WL	Water Level
		WR	Water Riser

	Chamber Extents		Heating Pipe
	Unknown Chamber Extents		LPG
	Radar Area Anomaly		Offset Fill Pipe
			Oil Pipe
			Radar Trace
			Survey Boundary
			Telecoms
			Trench Scar
			Unidentified
			Vapour Recovery
			Vent Pipe
			Water

PAS 128:2014 Quality & Confidence Levels

(A) Horizontal and vertical position verified visually (Accuracy: Horizontal (±50 mm) Vertical (±25 mm))

(B1) Horizontal and vertical location of the utility detected by multiple geophysical techniques used. (Estimated accuracy: ±150 mm or ±15% of detected depth whichever is greater)

(B2) Horizontal and vertical location of the utility detected by one of the geophysical techniques used. (Estimated accuracy: ±250 mm or ±40% of detected depth whichever is greater)

(B3) Horizontal location only of the utility detected by one of the geophysical techniques u (Estimated accuracy: Horizontal (±500 mm) Vertical - Undefined)

(B4) A utility segment which is suspected to exist but has not been detected and is there shown as an assumed route. (Estimated accuracy: Undefined)

(C) Route transcribed from utility asset plans and correlated to visual indicators and surf features. (Estimated accuracy: Undefined)

(D) Route transcribed from utility asset plans (Estimated accuracy: Undefined)

NB: 'P' suffixed to the quality level indicates GPR data has been post-processed. Q(A) is infer at all MH's & IC's unless otherwise stated.

Disclaimer

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Depths are provided as a guide only. Services shown as Q(A), Q(B), Q(C), Q(D) or TR (taken from recd and Q(B4) or AR (assumed route)) have not been proven on site and are not guaranteed. Please note that not all buried pipes, utilities and features can be detected and mapped due to conditions outside of our control, such as depth, location, material type, geology and proximity to other services. It is recommended that trial holes are undertaken to confirm identification, location and depth of services at critical locations.

Warner Surveys Utility Mapping Limited cannot be held responsible for any inaccuracies beyond that which could be reasonably expected of a competent company. No utility mapping survey can be considered a 100% accurate depiction of the sub-surface environment and the use of drawings does not remove the requirement for the use of safe digging techniques at all time line with BS5477. All information contained within this survey should be used in conjunction with accompanying Utility Survey Report and Desktop Record Search.

Notes

The survey has been orientated to Ordnance Survey (OS) National Grid (OSGB36) using Industry Standard Network RTK GPS equipment utilising the OS Active Network (OS Net). A true OSGB36 coordinate has been established on site using the OSTN15 (transformation) & OSGB15 (geoid) models. The survey detail has been 7Scorrelated to this point and a further one (or more) OSGB36 points established to produce a true OS bearing for angle orientation. Scale factor 1.0 has been applied therefore the survey coordinates are shown on a pseudo OS grid.

All levels are in metres unless otherwise specified
All heights are in millimetres unless otherwise specified

2	-	-	-	-
1	-	-	-	-
0	IS	First Complete Issue	13/09/2	-
Prelim	-	Preliminary - Not Complete	-	-
Rev	Svyr	QA Check	Description	Date

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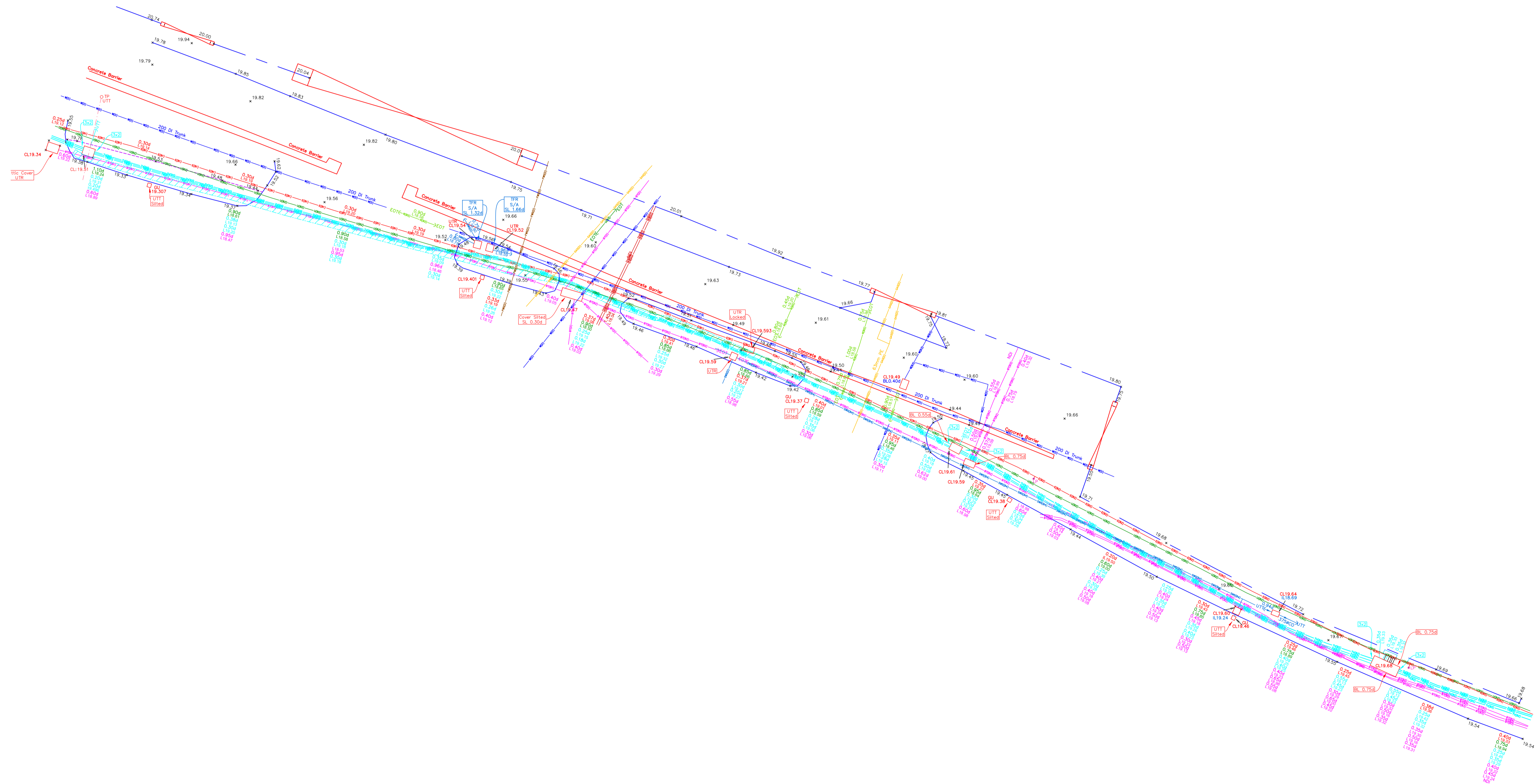
WARNER SURVEYS
Utility Mapping Ltd

Unit 22, Theale Lakes Bus. Pk, Moulden Way READING, RG7 4CB T +44 (0)118 930 3
G.3 Bedford House, 69-79 Fulham High St LONDON, SW6 3JW T +44 (0)203 651 7
5th Floor 1 Temple Way BRISTOL, BS2 0BY T +44 (0)117 301 8
Unit G9, The Arch, 48-52 Floodgate St BIRMINGHAM, B5 5SL T +44(0)121 752 11

www.WarnerSurveysUtilityMapping.com contact@warnersurveys.com
PAS 128 Utility Mapping Surveys - Desktop Utility Record Searches - GPR Surveys & Post-Processing
Drainage Connectivity Surveys - Borehole Clearance Surveys - CCTV Drainage Surveys
High Pressure Water Jetting - Confined Space Entry - Concrete & Ferro Scanning

SURVEYED	LL	Winvic
DRAWN	LL	
SCALE	1:200	

Horton Road	
UTILITY MAPPING SURVEY	
JOB No	DRAWING NUMBER
UM/223/0260	UM/223/0260/P/0001
A1 Sheet - 841mm X 594mm	





WARNER SURVEYS

Utility Mapping Ltd

Site Name

Utility Survey Report

Client:UM2230260

Date of survey: 11/09/2023

Issue	Date	Description	By	Reviewed	Approved
01	11/09/2023	First issue – Utility Survey	LL	IS	IS

Reading Office
London Office
Bristol Office
Birmingham Office

Unit 22, Theale Lakes Business Park, Moulden Way
G.3, Bedford House, 69-79 Fulham High Street
5th Floor, 1 Temple Way
Unit G9, The Arch, 48- 52 Floodgate Street

READING
LONDON
BRISTOL
BIRMINGHAM

RG7 4GB
SW6 3JW
BS2 0BY
B5 5SL

+44(0)118 930 3314
+44(0)203 651 7549
+44(0)117 301 8137
+44(0)121 752 1220

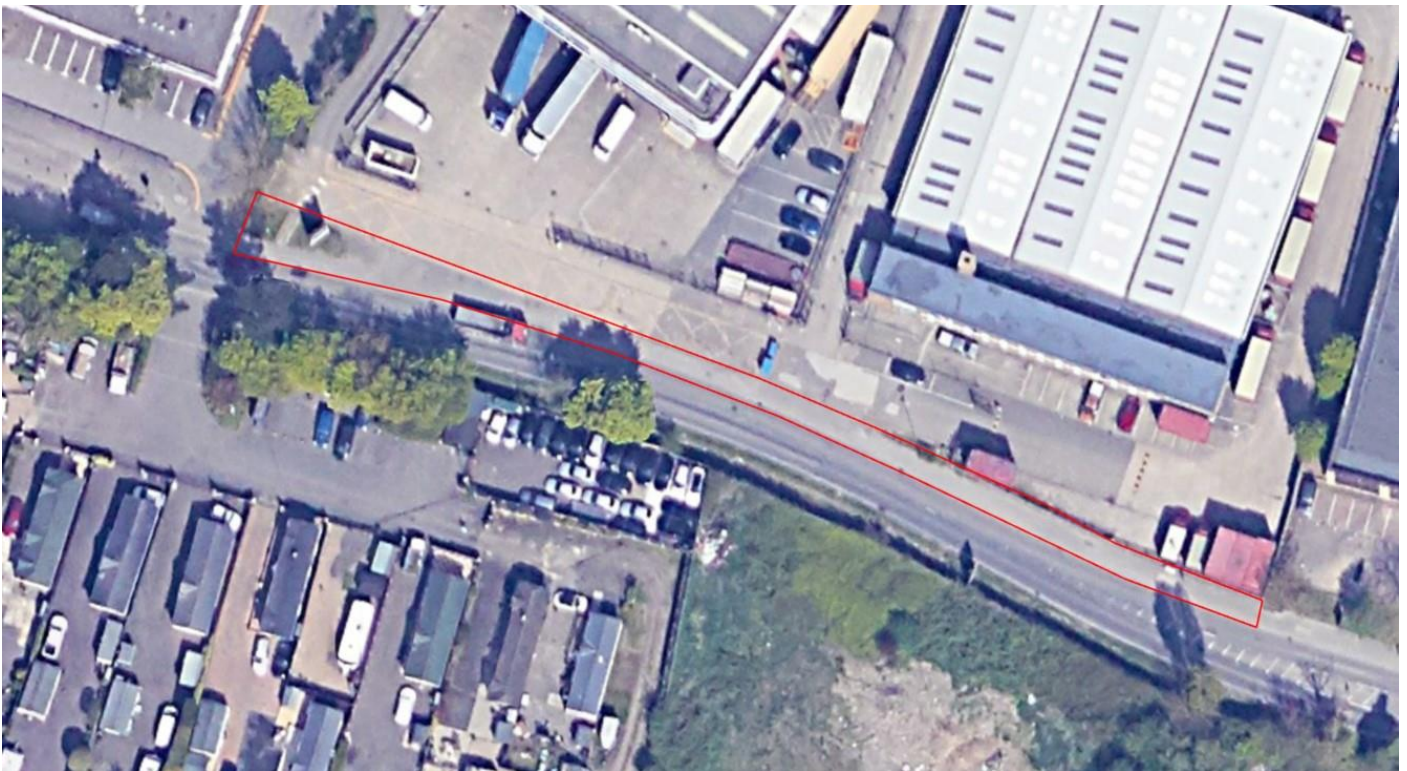
www.WarnerSurveysUtilityMapping.com
contact@warnersurveys.com

Warner Surveys Utility Mapping Ltd. Reg Office: Unit 22, Moulden Way, RG7 4GB
Reg in England 12093649 VAT Reg: 327 652 884

Project Details

Project Information	
Job number	UM2230260
Site Address	Horton Road, SL3 0DF
Client	Winvic
Survey Date	11/09/2023
Delivery Date	13/09/2023
Weather Conditions	Dry, Sunny
Times of work completion	7:30-15:00

Survey Area



Reading Office
 London Office
 Bristol Office
 Birmingham Office

Unit 22, Theale Lakes Business Park, Moulden Way
 G.3, Bedford House, 69-79 Fulham High Street
 5th Floor, 1 Temple Way
 Unit G9, The Arch, 48- 52 Floodgate Street

READING
LONDON
BRISTOL
BIRMINGHAM

RG7 4GB
 SW6 3JW
 BS2 0BY
 B5 5SL

+44(0)118 930 3314
 +44(0)203 651 7549
 +44(0)117 301 8137
 +44(0)121 752 1220

www.WarnerSurveysUtilityMapping.com
contact@warnersurveys.com

Warner Surveys Utility Mapping Ltd. Reg Office: Unit 22, Moulden Way, RG7 4GB
 Reg in England 12093649 VAT Reg: 327 652 884



Survey Activities

PAS128 – Survey Type C	Y/N
QL-D Desktop Utility Report	N
QL-C Reconnaissance	N
QL-B Detection	Y
QL-A Verification	N
Mp Post-processing	N

QL-D Desktop Utility Report

Utility Type	Asset Owner	Available at Time of Survey Y/N
Sewer	N/A	N
Water	N/A	N
Electricity	N/A	N
Gas	N/A	N
Telecoms	N/A	N
Others	N/A	N

QL-B Detection

Quality Level	Completed Y/N
M1	N
M2	Y
M3	N
M4	N
GPR Post-processing	N

QL-A Verification

Verification Type/Method	Number Completed
N/A	N/A

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Deliverables	Issued Y/N
AutoCAD DWG	Y
PDF	Y
Photos	N
Manhole/Asset cards	N
Topographical and Utilities	N
Utilities only	Y (Basic Topo carried out)
GPR Report	N

Survey Notes
Survey completed without major issues.

Utilities Summary

Utilities	Notes about survey results
Sewer	Unable to lift the 2 soakaway covers due to 1 man working. Drainage has been put down as TFR from previous survey results
Water	Unable to locate water via EML. But a GPR target has been identified which I am confident is the water pipe at 0.90d
Gas	Unable to locate gas onsite via EML. But I have located GPR targets on the eastern side of site heading down a north south orientation which I believe may be the 63mm gas pipe
Electricity	LV found running along footpath and HV located heading out of site
Telecoms	A band of x6 Virgin media cables traced through the site.

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	There is a BT gattic cover on the western side of site that is UTR and the next cover along is heavily silted. The rest of the BT cables in the other cable pits have been accounted for.
Unidentified Services	Unknown has been located running down the footpath ranging from 0.70d-1.10d
Ground Penetrating Radar	The minimum size of a service which can be detected using GPR is dependent on the resolution of the GPR, which is related to the frequency and the depth which needs to be surveyed. As a simple rule of thumb, GPR can detect services with a diameter a minimum of 10% of the depth (i.e, services 10cm dia buried 1m deep). This is not a fixed rule and does vary considerably based on ground conditions.
Other	

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