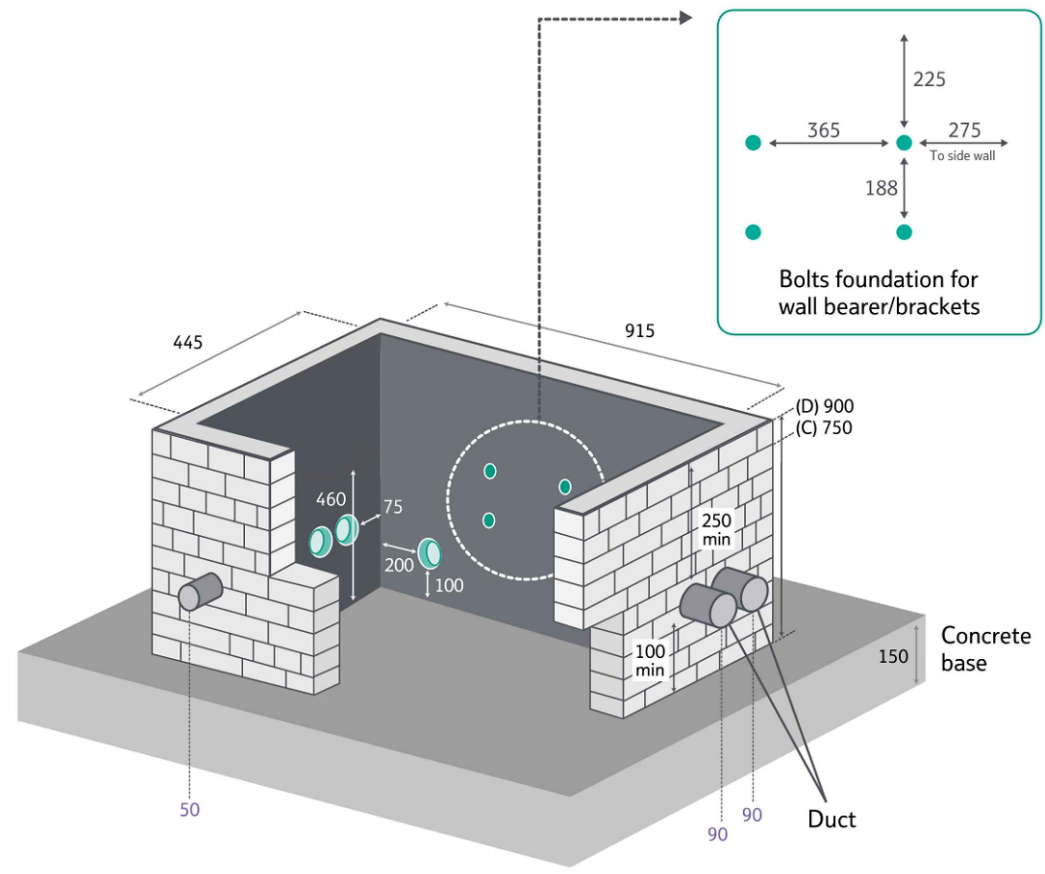




JOINT BOX FOOTWAY 104- THE PREFERRED OPTION.
(INTERNAL DIMENSIONS. BRICKWORK STRECHER BOND.
NOT TO SCALE)

- NOTES:
- THIS LAYOUT SHALL BE READ IN CONJUNCTION WITH THE BUILDING SERVICES/MEP SPECIFICATION.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS.
 - ALL DIMENSION IN mm UNLESS OTHERWISE STATED.
 - ALL PERSONS INVOLVED IN EXCAVATIONS SHOULD CONSULT HSG 47 "AVOIDING DANGER FROM UNDERGROUND SERVICES".
 - ALL UNDERGROUND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH NUIG - GUIDELINES ON THE POSITIONING AND COLOUR CODING OF UTILITIES APPARATUS.
 - THE DIMENSIONS SHOWN REPRESENT THE PREFERRED ARRANGEMENT, VARIATIONS MAY BE NECESSARY AT CURVES AND CHANGES OF DIRECTION.
 - THE UTILITY SERVICES SHOULD BE LAID AT A MINIMUM DEPTH AS FOLLOWS (UNLESS ADVISED OTHERWISE BY UTILITY SERVICES PROVIDES):

CARRIAGEWAYS

WATER - 900mm

ELECTRICITY - 600mm

TELECOMMS - 600mm

GAS - 700mm

NON CARRIAGEWAYS

WATER - 750mm

ELECTRICITY - 450mm

TELECOMMS - 350mm

GAS - 600mm
 - ALL SERVICES TO BE CONTAINED IN DUCTS WHERE THEY CROSS THE ACCESS ROAD AS FOLLOWS:

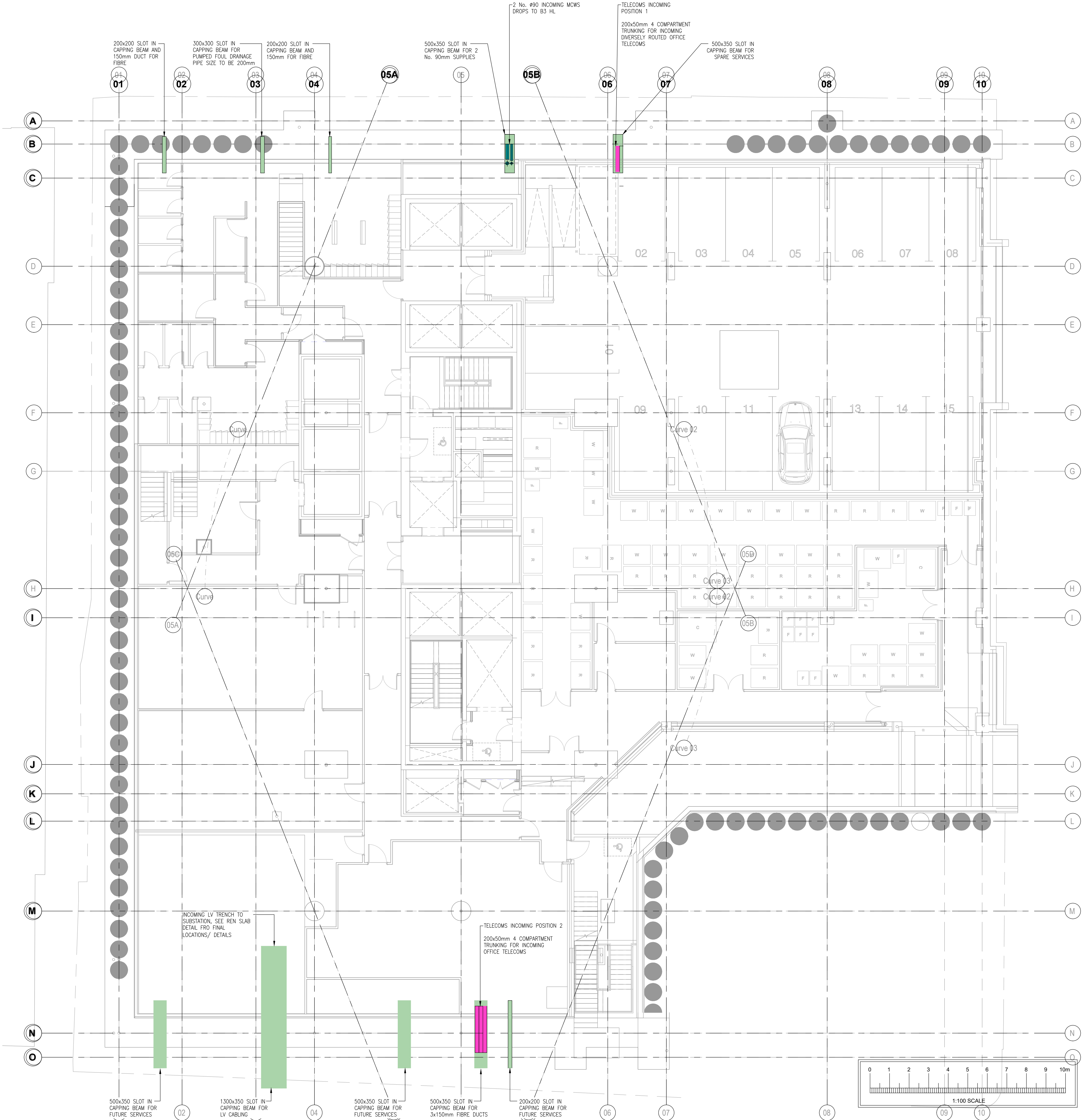
WATER - RIGID DUCT (BLUE)

ELECTRIC - RIGID DUCT (BLACK)

GAS - RIGID DUCT (YELLOW)

TELECOMMS - RIGID DUCT (GREY)

STREET LIGHTS - RIGID DUCT (ORANGE)
 - SERVICE DUCTS AND DRAW PITS ARE TO BE INSTALLED TO UTILITY PROVIDERS SPECIFICATION/ DETAILS. i.e. SPECIFICATION, SIZE, MATERIAL, TYPE, COLOUR ETC.
 - MARKER/WARNING TAPES SHALL BE INSTALLED FOLLOWING INSTALLATION OF SERVICES.
 - ALL WORKS AND MATERIALS/ SPECIFICATIONS TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE UTILITY SERVICE PROVIDERS REQUIREMENTS.
 - THIS LAYOUT IS TO BE READ IN CONJUNCTION WITH THE EXISTING RECORD DRAWINGS AND BELOW GROUND DRAINAGE DESIGN.
 - ALL DUCTS TO HAVE SLOW 30 DEGREE RADIUS BENDS AND TO BE PROVIDED WITH DRAW ROPES. ALL DUCTS TO BE SMOOTH BORE WITH NO PROTRUSIONS INTO THE DUCTWORK.
 - IT IS RECOMMENDED THAT A GPRS SCAN IS CARRIED OUT OF THE SITE BY A SPECIALIST SURVEY COMPANY TO IDENTIFY ANY UNKNOWN SERVICES TO DETAIL ON THE UTILITY SERVICES LAYOUTS. TO BE INCLUDED IN CONTRACTORS TENDER, PLEASE NOTE.
 - ON COMPLETION ALL DUCTS SHALL BE SEALED AGAINST MOISTURE AND VERMIN INGRESS.
 - MANHOLES LOCATED IN HARD STANDING AREAS WHEREVER POSSIBLE. MANHOLES IN ROADWAYS AND ROUTES OF HEAVY TRAFFIC TO HAVE HEAVY DUTY COVERS.
 - MANHOLES TO BE FITTED WITH SOAK AWAY DRAIN IN THE BASE TO ASSIST WITH DRAINAGE.
 - ANY NEW TRENCHING IN THE PROXIMITY OF EXISTING SERVICES TO BE SUITABLY IDENTIFIED VIA TRIAL PITS AND CAT SCANS AND HAND DUG TO AVOID DAMAGE BY MACHINERY/PLANT ETC.
 - ONLY ACCEPTABLE BEDDING AND BACK FILL MATERIAL TO BE USED IN SERVICE TRENCHES I.E.PEA GRAVEL, WASHED SHARP SAND, CRUSHED STONE (SMALLER THAN 20MM) OR SAND/GRAVEL MIX, STRICTLY IN ACCORDANCE WITH UTILITY SERVICES PROVIDERS SPECIFICATION/REQUIREMENTS.
 - SERVICE ROUTES SHOWN ON THE DRAWING IS PROVISIONAL BASED ON THE INFORMATION RECEIVED FROM THE SERVICE PROVIDER. DEVELOPER/CONTRACTOR SHALL FINALISE THE ROUTES WITH ALL UTILITY PROVIDERS PRIOR TO INSTALLATION.
 - REFER TO TELECOMMUNICATIONS DRAWING QUOTATION AND DESIGN PROPOSAL FOR INCOMING DETAILS.
 - REFER TO NPG QUOTATION AND DESIGN PROPOSAL FOR HV & LV INCOMING SERVICE DETAILS.
 - REFER TO GAS NETWORKS QUOTATION AND DESIGN PROPOSAL FOR GAS INCOMING SERVICE DETAILS.
 - REFER TO WATER QUOTATION AND DESIGN PROPOSAL FOR WATER INCOMING SERVICE DETAILS.
 - CONTRACTOR SHALL Liaise WITH THE STRUCTURAL ENGINEER FOR THE CABLE ENTRY THE BUILDING UNDER THE GROUND FLOOR STRUCTURAL SLAB.
 - ALL AGD POP-UP CONNECTIONS SHALL BE 100# UNLESS OTHERWISE INDICATED.
 - SLIT TRENCHES AND UTILITY MARKING OUT, TO BE CARRIED OUT AT THE NEW SITE ENTRANCE/EGRESS LOCATIONS.

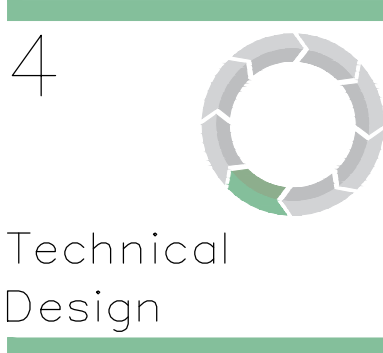


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DO NOT SCALE OFF THIS DRAWING

DESIGNERS RISK ASSESSMENT
Under section 11, 18 - Construction (Design and Management) Regulations 2015

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
There are no significant, unusual or location specific risks which are not obvious to a competent contractor or likely to be difficult to manage

EXTERNAL SERVICES	
SYMBOL	REFERENCE
	INCOMING WATER SUPPLY
	INCOMING ELECTRIC FIBRE
	SLOT REQUIRED IN CAPPING BEAM



-	P02	PRELIMINARY ISSUE	BD	BD	17.01.24
-	P01	PRELIMINARY ISSUE	BD	BD	24.08.23
STA	REV	DESCRIPTION	DES	CHD	DATE

PURPOSE OF ISSUE
PRELIMINARY

NOVO

Integration Ltd

7 Feast Field, Horsforth, Leeds,
West Yorkshire, LS18 4TJ
t: +44(0)113 2577300 e: novocad@novo.eu.com

CLIENT

PROJECT

ST MICHAELS MANCHESTER

TITLE

BUILDERSWORKS
BASEMENT 1 LAYOUT
INCOMING SERVICES LAYOUT

SCALE	1:100	ORIGINAL SIZE	A1	DATE	AUG'23
DRAWN	LW	DESIGNED	BD	CHECKED	BD
PROJECT ORIGINATOR ZONE LEVEL TYPE ROLE CLASS NUMBER					REVISION
P1785-NOV-XX-B1-DR-ME-9001					P02

INCOMING SERVICES