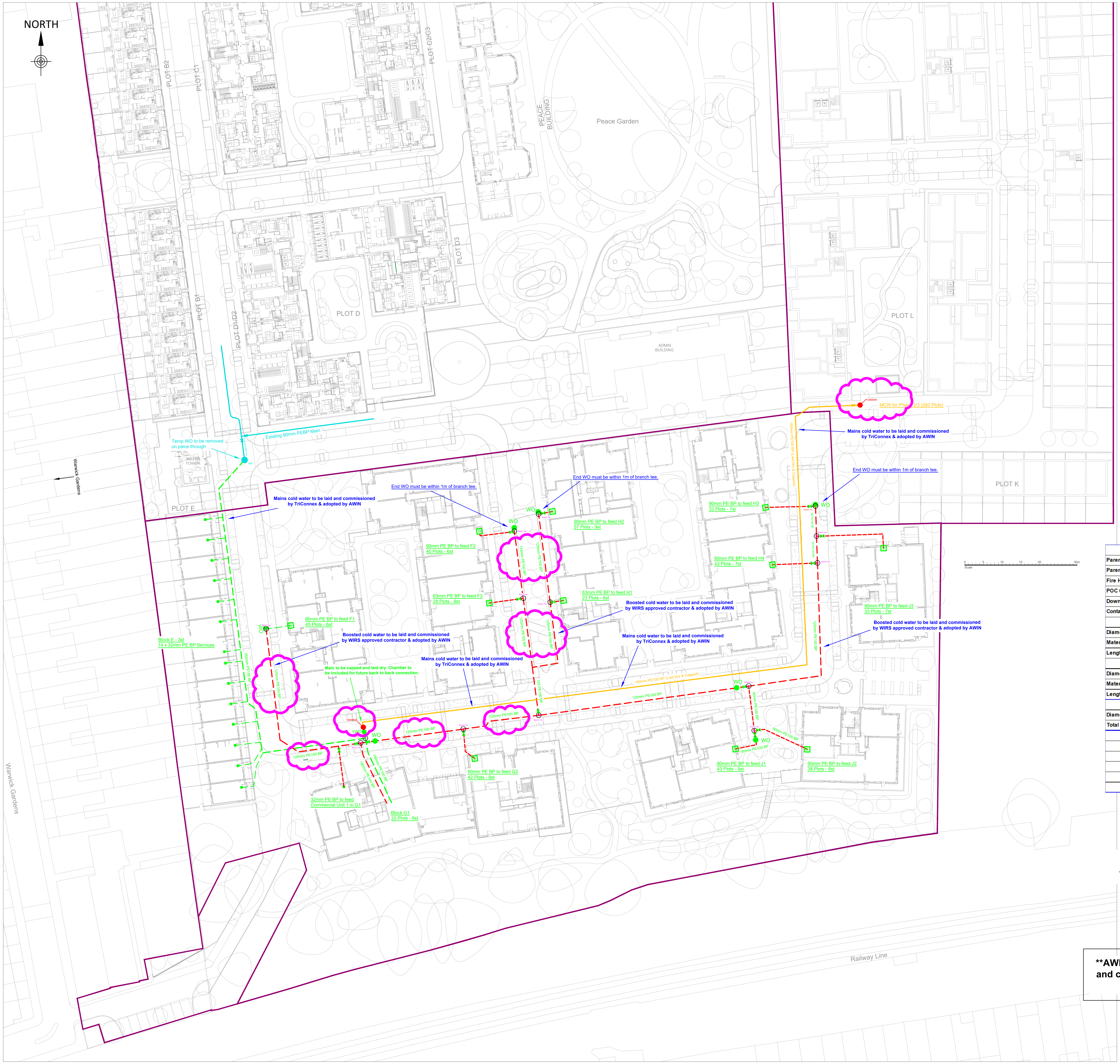


Advanced Water Infrastructure Networks

TRICONNEX

1. ALL CROSSINGS AND PIPE LAYING DEPTH SHALL BE IN ACCORDANCE TO NJUG 7.
2. APPROPRIATE SEPARATION OF WATER MAINS FROM OTHER UTILITIES IS TO BE STRICTLY ADHERED TO AT ALL TIMES IN ACCORDANCE WITH NJUG 7.
3. ALL PIPES AND FITTINGS ARE COMPLIANT WITH REG 31.
4. ANY CLIENT WORKS WITHIN ANY CONTAMINATION ZONES SHOWN ARE TO BE BARRIER PIPE.
5. UNLESS OTHERWISE STATED ALL SERVICES ARE TO BE 25mm AS STANDARD.
6. UTILITY TRENCHES THAT ARE UNDER THE EXISTING OR ANTICIPATED CANOPY WILL REQUIRE ROOT PROTECTION.
7. WHERE PE IS SPECIFIED ON THE DESIGN, BUT CONTAMINATED LAND IS ENCOUNTERED, THE DESIGN TEAM NEED TO BE NOTIFIED IMMEDIATELY AND CONSTRUCTION SHOULD CEASE UNTIL FURTHER INSTRUCTION.
8. THE LAST SERVICE CONNECTION ON ANY PIPE MUST BE WITHIN 1M OF THE WO.

Service Connections

25mm or 32mm service pipes must be installed in a continuous un-jointed length leaving enough pipe coiled at the boundary or agreed point of delivery to enable a connection directly into the water main. The supply pipe must have a continuous length of blue tracing mesh installed above it from the point of entry up to the property boundary or agreed point of delivery. Any coiled pipes left out for connection must be adequetly protected to ensure the supply into the main remains un-jointed.

Prior to connection to the water main, supply pipes must be clearly labelled showing which property they serve and should be sealed with a mechanical watertight stop end.

Existing utilities highlighted on this drawing are for indication only, other utilities may be present that have not been identified. Refer to individual utility provider drawings for construction phase.

PE Pipe SDR (Unless Otherwise Stated)
SDR11 ≤63mm
SDR17 >63mm

FH Requirements: ALL FIRE HYDRANTS TO BE INSTALLED TO BS750 (COPPER/GUNMETAL OUTLET ONLY)

Location	Fire Hydrant Ref.
532302, 188442	129888W
532435, 188528	129889W

Soil report confirms that barrier pipe is required.

Sewerage Details - All plots to be connected to an AWIN sewer for foul & surface water.

Install 464 x customer meters, 260 future plots & 1 x commercial/landlord/TBS/bin supplies from proposed mains. AWIN supplied meters must be installed.

Network Design: MCW

New Mains Lengths (m) and Diameters (Non Barrier Pipe)

Diameter	63mm	90mm	125mm	180mm	250mm	315mm	355mm
Material	MDPE	HPPE	HPPE	HPPE	HPPE	HPPE	HPPE
Length (m)	0	0	0	0	0	0	0

New Mains Lengths (m) and Diameters (Barrier Pipe)

Diameter	63mm	90mm	125mm	180mm	250mm	315mm	355mm
Material	MDPE BP	HPPE BP	HPPE BP	HPPE BP	HPPE BP	HPPE BP	HPPE BP
Length (m)	0	0	0	227	110	0	0

Total Pipe Lengths

Diameter	63mm	90mm	125mm	180mm	250mm	315mm	355mm
Total Length (m)	0	0	0	227	110	0	0

Mains Fittings Schedule

Sluice Valve				Washout (Including Temp Wash Outs)			
Size (mm)	Unit	Size (mm)	Unit	Size (mm)	Unit	Size (mm)	Unit
50		150	2	50	0	150	3
80		200		80	0	200	0
100		300		100	0	300	0

Network Design: BCW

Parent Main Dia	250mm
Parent Main Material	PE BP
Fire Hydrants Accounted For?	Yes
POC Coordinates	52270, 188514
Downstream Main	250mm PE BP
Contaminated Land Accounted For?	Yes

New Mains Lengths (m) and Diameters (Non Barrier Pipe)

Diameter	63mm	90mm	125mm	180mm	250mm	315mm	355mm
Material	MDPE	HPPE	HPPE	HPPE	HPPE	HPPE	HPPE
Length (m)	0	0	0	0	0	0	0

New Mains Lengths (m) and Diameters (Barrier Pipe)

Diameter	63mm	90mm	125mm	180mm	250mm	315mm	355mm
Material	MDPE BP	HPPE BP	HPPE BP	HPPE BP	HPPE BP	HPPE BP	HPPE BP
Length (m)	0	15	307	18	0	0	0

Total Pipe Lengths

Diameter	63mm	90mm	125mm	180mm	250mm	315mm	355mm
Total Length (m)	0	15	307	18	0	0	0

Mains Fittings Schedule

Sluice Valve (Including Bulk Supplies)				Washout (Including Temp Wash Outs)			
Size (mm)	Unit	Size (mm)	Unit	Size (mm)	Unit	Size (mm)	Unit
32	1	100	4	50	0	150	0
50	4	150		80	2	200	0
80	8	200		100	5	300	0

Above ground assets (booster tank and any associated equipment) not approved - awaiting documentation

Approved For Construction

Utility trenches that are under the existing or anticipated canopy will require root protection.

****AWIN are to be engaged with prior to the commissioning and connection of any capped dry laid main and a method statement agreed between both parties****

FIGURE 1 - Recommended Positioning of Utility Apparatus in a 2 metre Footway
Taken from NJUG Publication: Volume 1: Issue 2: 02/11/2007

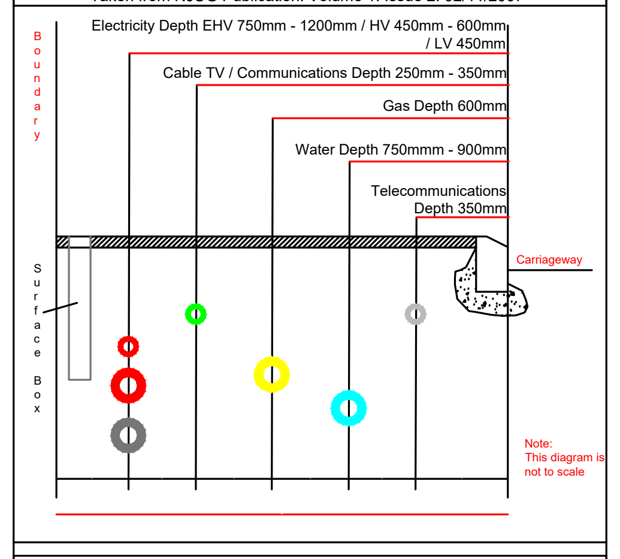
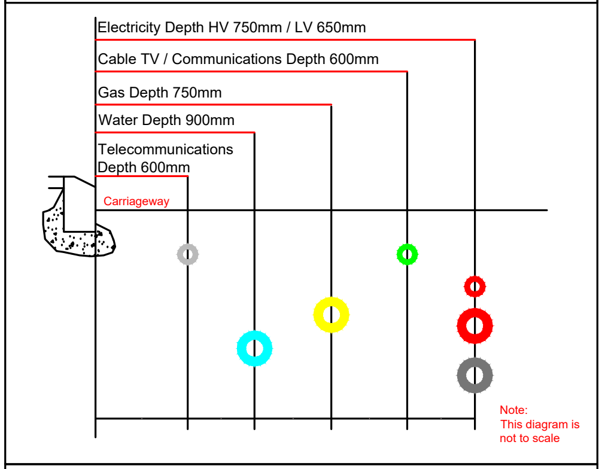

Boundary
Electricity Depth EHV 750mm - 1200mm / HV 450mm - 600mm / LV 450mm
Cable TV / Communications Depth 250mm - 350mm
Gas Depth 600mm
Water Depth 750mmm - 900mm
Telecommunications Depth 350mm
Carriageway
Surface Box
Note: This diagram is not to scale

FIGURE 2 - Recommended Positioning of Utility Apparatus in a Carriageway


Electricity Depth HV 750mm / LV 650mm
Cable TV / Communications Depth 600mm
Gas Depth 750mm
Water Depth 900mm
Telecommunications Depth 600mm
Carriageway
Note: This diagram is not to scale

Legend

Water	Existing	━━
	Proposed Main (MCW)	╍╍
	Proposed Main (BCW)	╍╍
	Proposed Service	╌╌
	Main Laid Dry & Capped	━━
	Duct	━▬━
	Site Boundary	━━
	Mains Assumed Diverted / Abandoned	━━
	Bulk Supply	━B
	Sluice Valve	⧗
	Wash Out	●
	Boundary Box (Stop Tap)	⊗
	Fire Hydrant	FH01 ●
	Air Valve	◆ AV
	Double Air Valve	◆◆ DAV
	Non Return Valve	▶|
	Pressure Reducing Valve	▶ PRV
	Closed Valve	⦶ CV
	Blank Plate	] BP
	Manifold	4

LEGEND / KEY

FITTINGS

- BOREHOLE
- TRIAL HOLE
- WASHOUT
- SLUICE VALVE
- FIRE HYDRANT
- HYDRANT WASHOUT
- METER
- THRUST BLOCK
- NON-RETURN VALVE
- PRESSURE REDUCING VALVE
- AIR VALVE

Water network design by:
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www.gasdesignuk.com Tel. 01733 202914
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ACCREDITED WIRS WATER INDUSTRY REGISTRATION SCHEME

GDUK Utilities GIRS & WIRS Accredited

Water Network Design Drawing

Revision	Date	Details
10	15/09/25	2 x FH added to the design. Mains sizes changed from 90mm to 125mm.
9	20/08/25	New site plan, no change to the design.
8	04/07/25	Response received from fire authority. No hydrants required. Notes added to the drawing. MCW & BCW moved onto separate layers with different colours to differentiate between them.
7	03/06/25	260 future plots added. Incoming main from POC upsized to 250mm. TWO added to dry capped main.
6	14/05/25	Block E services moved onto the MCW water pipe. Main removed after BT12.
5	29/04/25	Mains sizes updated to AWIN standards. Wash out and SV locations altered. BT numbers updated. Incoming 250mm main from Phase 1A changed to live. Block E service route altered. G2 service route altered. Root barrier note added.
4	01/04/25	MCW route altered from POC to Block G1.
3	24/02/25	Block E & G2 services altered to avoid tree. 160mm pipe changed to 180mm. BCW route altered from BT4 to BT8. MCW route moved to footpath (all routes altered).
2	24/02/25	All pipe routes updated to match new plan. MCW pipe added to feed 260 future plots.
1	31/01/25	Original Drawing

New Site (Mixed Domestic and Non Domestic),
St Ann's Road, London Borough of Haringey, London, N15 3TH

Client ref: A054-1B

Ref: B96420738	Date: 31/01/2025	Scale: 1:500@A1	Drawn By: AG