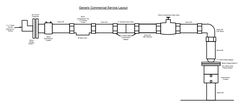


Advanced Water Infrastructure Networks

SLP:
Amjutan

FH Requirements: ALL FIRE HYDRANTS TO BE INSTALLED TO BS750 (COPPER/GUNMETAL OUTLET ONLY)	
FH Reference	FH Location
FH01	Near BM
FH02	Near Plot 107
FH03	Near Plots 54-57
FH04	End WO for Future South Parcel
FH05	End WO for Future near Plot 64
FH06	Near Plots 62-63
FH07	End WO for Future South Parcel
FH08	End WO near Plot 7
FH09	End WO near Plot 24
FH10	End WO near Plot 25

1. ALL ACCESSORIES 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.
3. ALL PIPES AND FITTINGS ARE COMPLIANT WITH REG 31.
4. ANY CLIENT WORKS WITHIN ANY CONTAMINATION ZONES MUST BE CARRIED OUT BY OTHERS.
5. UNLESS OTHERWISE STATED ALL SERVICES ARE TO BE 25mm AS STANDARD.
6. ANY WORKS ON ASSETS THAT ARE UNDER THE EXISTING OR ANTICIPATED CANOPY WILL REQUIRE ROOF 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 A REVISED DESIGN IS ISSUED.
8. THE LAST SERVICE CONNECTION ON ANY RYR MUST BE WITHIN 1M OF THE WO.

Service Connections

25mm service pipes (unless otherwise stated) 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 adequately 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

FIGURE 1 - Recommended Positioning of Utility Apparatus in a 2 metre Footway
Taken from NJUG Publication, Volume 1, Issue 2, 2017/2002

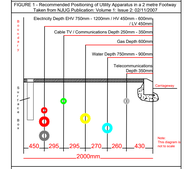
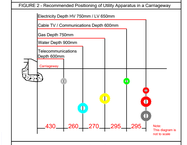


FIGURE 2 - Recommended Positioning of Utility Apparatus in a Carriageway



External Manifolds				
2 x Port (32mm Supply)	3 x Meters in 4 x Port (63mm Supply)	4 x Port (63mm Supply)	5 x Meters in 6 x Port (63mm Supply)	6 x Port (63mm Supply)
6		10		

Sewerage Details - All plots to be connected to a Southern Water sewer for foul & surface water.

Southern Water to complete works upstream of BMA non-return valve.

Install 127 x customer meters & 7 x commercial/landlord/TB5/bin supplies from proposed mains. AWIN supplied meters must be installed.

Network Design:							
Parent Main Dia	300mm						
Parent Main Material	DI						
Fire Hydrants Accounted For?	Yes						
POC Coordinates	593994, 171840						
Downstream Main	225mm PE						
Contaminated Land Accounted For?	No						
New Mains Lengths (m) and Diameters (Non Barrier Pipe)							
Diameter	63mm	90mm	125mm	180mm	225mm	315mm	355mm
Material	MDPE	HPPE	HPPE	HPPE	HPPE	HPPE	HPPE
Length (m)	364	416	59	229	218	0	0
New Mains Lengths (m) and Diameters (Barrier Pipe)							
Diameter	63mm	90mm	125mm	180mm	225mm	315mm	355mm
Material	MDPE BP	HPPE BP	HPPE BP	HPPE BP	HPPE BP	HPPE BP	HPPE BP
Length (m)	0	0	0	0	0	0	0
Total Pipe Lengths							
Diameter	63mm	90mm	125mm	180mm	225mm	315mm	355mm
Total Length (m)	364	416	59	229	218	0	0

Mains Fittings Schedule							
Sluice Valve				Washout (Inc. Temp WOs & Fire Hydrants)			
Size (mm)	Unit	Size (mm)	Unit	Size (mm)	Unit	Size (mm)	Unit
50	2	150	2	50	6	150	1
80		200	2	80	5	200	3
100	1	300		100	1	300	0

Southern Water have confirmed that an onsite booster is required.

Not Approved /
Not For Construction

Legend

Water
Existing:
Abandoned Main
Proposed Service
Proposed Supply Pipe
Duct
Site Boundary
Mains Assumed Diverted / Abandoned
Bulk Supply
Sluice Valve
Wash Out
Boundary Box (Stop Tap)
Fire Hydrant
Air Valve
Double Air Valve
Non Return Valve
Pressure Reducing Valve
Closed Valve
Blank Plate
Manifold

LEGEND / KEY
Water Network

Hydrant	Air Valve	Double Air Valve	Non Return Valve	Sluice Valve	Pressure Reducing Valve	Closed Valve	Blank Plate

Water network design by:
GeoDesign Utilities Ltd, 68 Broad Street, Wisbbeach, Peterborough, PE7 1HA
www.geodesignutilities.co.uk Tel. 01733 202014
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ACCREDITED
UKAS
WIRS
WATER INDUSTRY REGISTRATION SCHEME

Water Network Design Drawing

Revision	Date	Drawn By	Checked By	Revision Type
A	27/02/2025	AG		Issued for Approval
B	27/02/2025	AG		Updated to Water Mains Layout
C	28/02/2025	AG		Updated to Water Mains Layout

Notes:

New Site (Mixed Domestic and Non Domestic),
Barton Hill Drive, Minster-on-Sea, Swale, ME12 3NE

Client ref: AWIN087

Ref: B96420884 | Date: 27/02/2025 | Scale: 1:500@A0 | Drawn By: AG