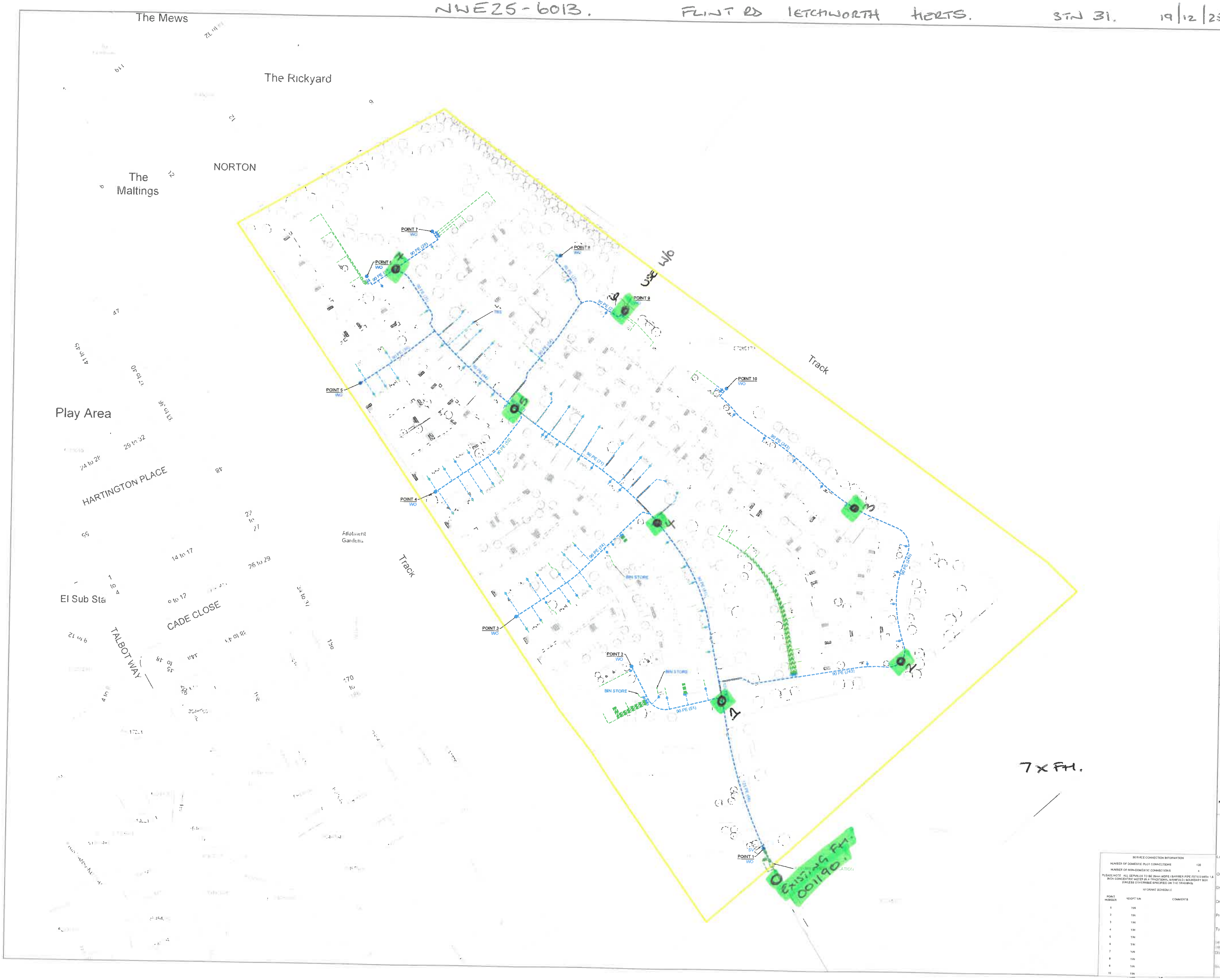
NWE25-6013. FLINT RD LETCHWORTH HERTS. STN 31. 19/12/25 PR.



NORTH

Note

ALL END WASH OUTS TO BE POSITIONED NO MORE THAN 1m PAST THE LAST SERVICE. IF THE LAST SERVICE CONNECTION POSITION CHANGES FURTHER THAN THIS THE DEVELOPER MUST CONTACT INFRASTRUCTURE GATEWAY FOR ADVICE

PLEASE NOTE - BIN STORE CONNECTIONS MUST HAVE DOUBLE CHECK VALVES INSTALLED BY THE DEVELOPER AND TAPS MUST BE IN LOCKABLE BOXES OR LOCKED AREAS INACCESSIBLE TO NON-HOMEOWNERS. IF THE TAPS ARE IN AREAS OPEN TO THE PUBLIC THERE MUST BE AN AIR BREAK VIA A TANK AS IT CONSTITUTES A CATEGORY 5 HIGH RISK FLUID

PIPE SPECIFICATION

ONSITE PIPE SIZE (mm)	LENGTH (m)
90	841
125	75
OFFISTE PIPE SIZE (mm)	LENGTH (m)
125	TBC
TOTAL LENGTH	916

General Notes

Material Specification

PE & Barrier Pipe

Up to and including 63mm PE80 (MDPE) SDR11 (Light Blue)
90mm up to 315mm PE100 (HPPE) SDR17.6 (Dark Blue)

Ductile Iron

Confirm with designer before ordering

All mains and services must be laid using an approved PE or PE Barrier pipe. When using PE Barrier pipe all joints & fittings must be wrapped in accordance with manufacturers instruction to prevent ingress of contamination into the water pipes. Underground meter boxes must be installed using female iron couplings. All mains & services (other than 32mm/25mm services) must be installed by 'WNL' approved personnel only and mains installed by non-approved personnel will not comply with water / HSE regulations and will need to be replaced.

All external pipes and internal plumbing must comply with the Water Supply (Water Fittings) Regulations 1999 Schedule 2 and the Water Supply (Water Quality) Regulations 2001

Ducting Specification

All ducting should be supplied and installed in accordance with BS4962 is a suitable standard for plastic ducting.

- Ducting can only be used for perpendicular carriageway crossings.
- Only one pipe is allowed per duct.
- For service pipe the duct must be blue and perforated along it's entire length

Duct Sizes

Water Pipe External Diameter	Duct Inside Diameter
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

All pipes, fittings and valves must meet technical specifications;

BS6437 - 1984. BS6572 - 1985. BS6730 - 1986. BS6306 Part 2 - 1990.
WIS 4-24-01 - 1998. WIS 4-32-08 - Issue 3 April 2002.
WIS 4-32-14 - 1995. WIS 4-32-15 - 1995. WIS 4-32-17 - Issue 2 - 2001. DIN8074 - 1999. DIN8075 - 1999
DIN16963 Part 1 - 1980. ISO4427-1996. BS EN 12201. BS EN 13244. UNI 10910 2001

Contaminated Ground Conditions

Should the land on which the development is taking place to be contaminated, all underground pipes and fittings installed in conjunction with water mains and service connection will need to be of suitable material to meet the manufacturers specifications which are not adversely affected by the geotechnical conditions. The developer will ensure that the service pipe material and fittings used on site are fit for purpose and suitable for use within contaminated land.

In the event that contaminated land is discovered during construction then work should be stopped until the nature of the contamination is identified and alternative protective coated materials provided to allow continuation of main laying.

Plan Notes

This plan shows those pipes owned by the BUUK Group. Any third part apparatus indicated on these drawings is shown for indicative purposes only. The developer should contact the third party direct for confirmation of their location or to agree any possible diversionary or abandonment works. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. No liability of any kind whatsoever is accepted by the company, it's agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus.

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Developers Responsibility

When the main has been laid it becomes the responsibility of the developer to ensure its protection, therefore backfilling should be carried out as soon as possible. Any damage or theft of any item once delivered to site is the responsibility of the developer. Replacement and repair, including administrative costs will be fully recharged to the developer irrespective of who the responsible party was. It will be the developer's responsibility to recover the costs from the third parties.

Proposed Services

Developer to pre-install all services up to & including 32mm at a depth of 750mm deep and not greater than 1350mm from finished surface level.

Where laying in contaminated land using barrier pipe or ductile iron, corresponding service pipe must also be of a barrier type

Proposed Mains

All mains to be laid in pre-excavated trench to 900mm cover, provided by the developer. Road crossings to be continuous plastic duct or drainage pipe sized to accommodate the mains shown on this drawing, at 900mm cover to the finished level.

Drawing Key	Colour	Proposed	As-Laid
Water Pipe	Dark Blue	▬ ▬	▬▬
Services (Communication Pipe)	Light Blue	- - - -	▬▬
Services (Supply Pipe)	Light Green	- - - -	▬▬
Asset Boundary	Yellow	▬▬	
Water Mains (Incumbent)	Dark Green	▬ ▬	▬▬

PE Polyethylene BP Barrier Pipe DI Ductile Iron

UPVC Ducts	Black	═
Water Connection Points	Green	▬
Wash Out Hydrant (Fixed Jumper)		●
Temporary Wash Out (Fixed Jumper)		●
Sluice Valve		┼
Air Valve		●
Pressure Reducing Valve		▶
Fire Hydrant (Fixed Jumper)		✱
Stop Tap		⊗
Meter		M
Change of Pipe Size/Material		▼
Multi Port Box (With Number of Meters)		
Gun Metal Manifold & Chamber (With Number of Meters)		
Non-Return Valve		▶|

UNAPPROVED CONSTRUCTION DRAWING

ALL VALVES TO BE CLOCKWISE CLOSE

Rev	Date	Description	ID	CHK	APP

Drawing Revision Details

UIP/Contractor

Infrastructure Gateway Ltd

Asset Owner

SERVICE CONNECTION INFORMATION

NUMBER OF DOMESTIC PLOT CONNECTIONS	120
NUMBER OF NON-DOMESTIC CONNECTIONS	4

PLEASE NOTE: ALL SERVICES TO BE 25mm MDPE / BARRIER PIPE FITTED WITH 1.5 INCH CONCENTRIC METER IN A TRADITIONAL MANIFOLD / BOUNDARY BOX (UNLESS OTHERWISE SPECIFIED ON THE DRAWING)

HYDRANT SCHEDULE

POINT NUMBER	ADOPT Y/N	COMMENTS
1	Y/N	
2	Y/N	
3	Y/N	
4	Y/N	
5	Y/N	
6	Y/N	
7	Y/N	
8	Y/N	
9	Y/N	
10	Y/N	

Location
Land at Flint Road, Letchworth

OS Ref
523247,2341

Developer
Barratt Homes (North Thames)

Drawing Title
Potable Water Design

Project Number
NWE25-6013

Type D Revision 0

A- As Laid (Not Adopted) D- Design
E- Wayleave/Easement C- Construction Issue

Drawing Number
W25-6013-002

Scale	Sheet Size	Drawn	Chk'd	Apv'd	Date
1:500	A0	JC	AD	BB	11/12/25

DRAFT