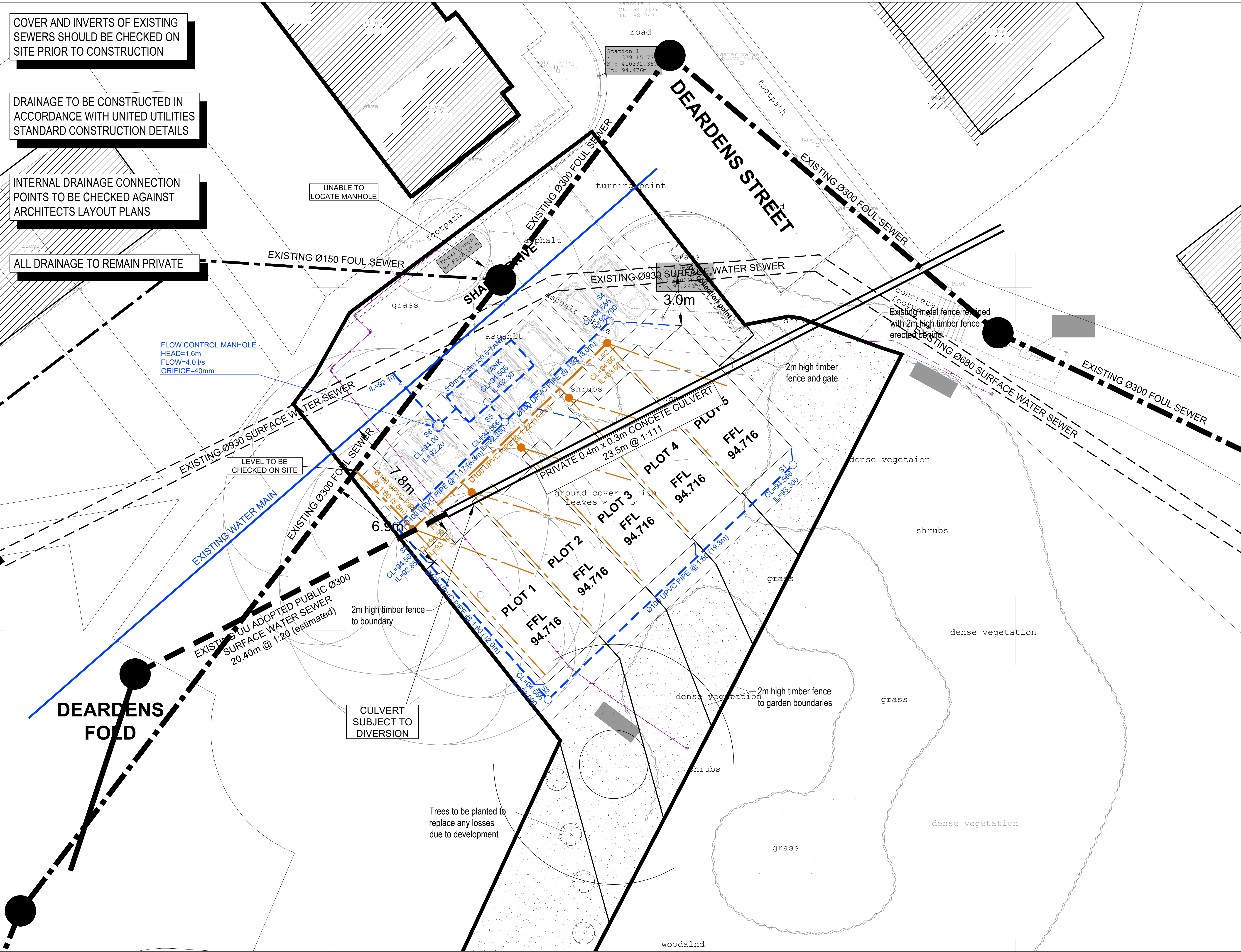




COVER AND INVERTS OF EXISTING SEWERS SHOULD BE CHECKED ON SITE PRIOR TO CONSTRUCTION

DRAINAGE TO BE CONSTRUCTED IN ACCORDANCE WITH UNITED UTILITIES STANDARD CONSTRUCTION DETAILS

INTERNAL DRAINAGE CONNECTION POINTS TO BE CHECKED AGAINST ARCHITECTS LAYOUT PLANS

ALL DRAINAGE TO REMAIN PRIVATE

FLOW CONTROL MANHOLE
HEAD=1.6m
FLOW=4.0 l/s
ORIFICE=40mm

LEVEL TO BE CHECKED ON SITE

CULVERT SUBJECT TO DIVERSION

Trees to be planted to replace any losses due to development

Notes

- This drawing is produced for use in this project only and may not be used for any other purpose. The consulting Engineers accept no liability for the use of this drawing other than the purpose for which it was intended in connection with this project as recorded on the title block fields 'Purpose for Issue' and 'File Status Code'.
- This drawing may not be reproduced in any form without prior written agreement.
- Do not scale from the drawing, use written dimensions only.
- All dimensions are in millimetres unless otherwise specified.
- Discrepancies must be reported back to the engineer prior to construction.

Key

EXISTING FW SEWER

EXISTING SW SEWER

PROPOSED SW SEWER

PROPOSED FW SEWER

DRAINAGE STRATEGY

SURFACE WATER

In accordance with the SuDS Hierarchy then infiltration should be considered in the first instance, a site investigation was undertaken that has shown the ground has some permeability but also has a significant amount of 'made ground' and therefore it states that soakaways are not suitable.

As soakaways are not expected to work and then discharge to a watercourse should be the next considered point of discharge, there is no watercourse in the vicinity of the site and therefore it is proposed to discharge to the public sewer.

Discharge of the surface water is proposed to go to the United Utility Surface Water sewer that crosses the site at a controlled rate with attenuation on site.

The site is currently a greenfield site which requires the discharge rates to be restricted to the equivalent greenfield rates which equate to:

QBar = 0.6 l/s

1 in 1 Year = 0.5 l/s

1 in 30 Year = 0.9 l/s

1 in 100 Year = 1.2 l/s

The above rates are quite low to be achieved as it would require a 20mm orifice to attain a 1.2 l/s discharge rate and therefore it is proposed to restrict to a 4.0 l/s which equates to a 40mm orifice.

It has been envisaged to store up the 1 in 100 year + 40% climate rainfall event on site in a attenuation tank.

FOUL DRAINAGE

It is proposed to discharge to the existing united utility foul sewer that crosses the site.

G	MM	WATER MAIN ADDED	02.07.26
F	MM	DRAINAGE UPDATED	30.11.25
E	MM	DRAINAGE UPDATED	19.11.25
D	MM	LAYOUT UPDATED	01.10.25
C	MM	STATUS UPDATE	01.08.25
B	MM	DRAINAGE UPDATED	18.12.21
A	MM	INITIAL ISSUE	22.04.21
REV	BY	AMENDMENTS	DATE

FOR APPROVAL

STATUS	CHK'D
PRELIMINARY	MJM
FOR COMMENT	MJM
FOR APPROVAL	MJM
FOR CONSTRUCTION	
AS BUILT	

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CONTRACT			
DEARDENS STREET BURY NEW BUILD 5 UNITS			
TITLE			
DRAINAGE LAYOUT			
DRAWN		CHK'D	
MM		MM	
SCALE		DATE	
1:125 @ A1		22.04.21	

JOB No	DRG No	REV
20013	101	G