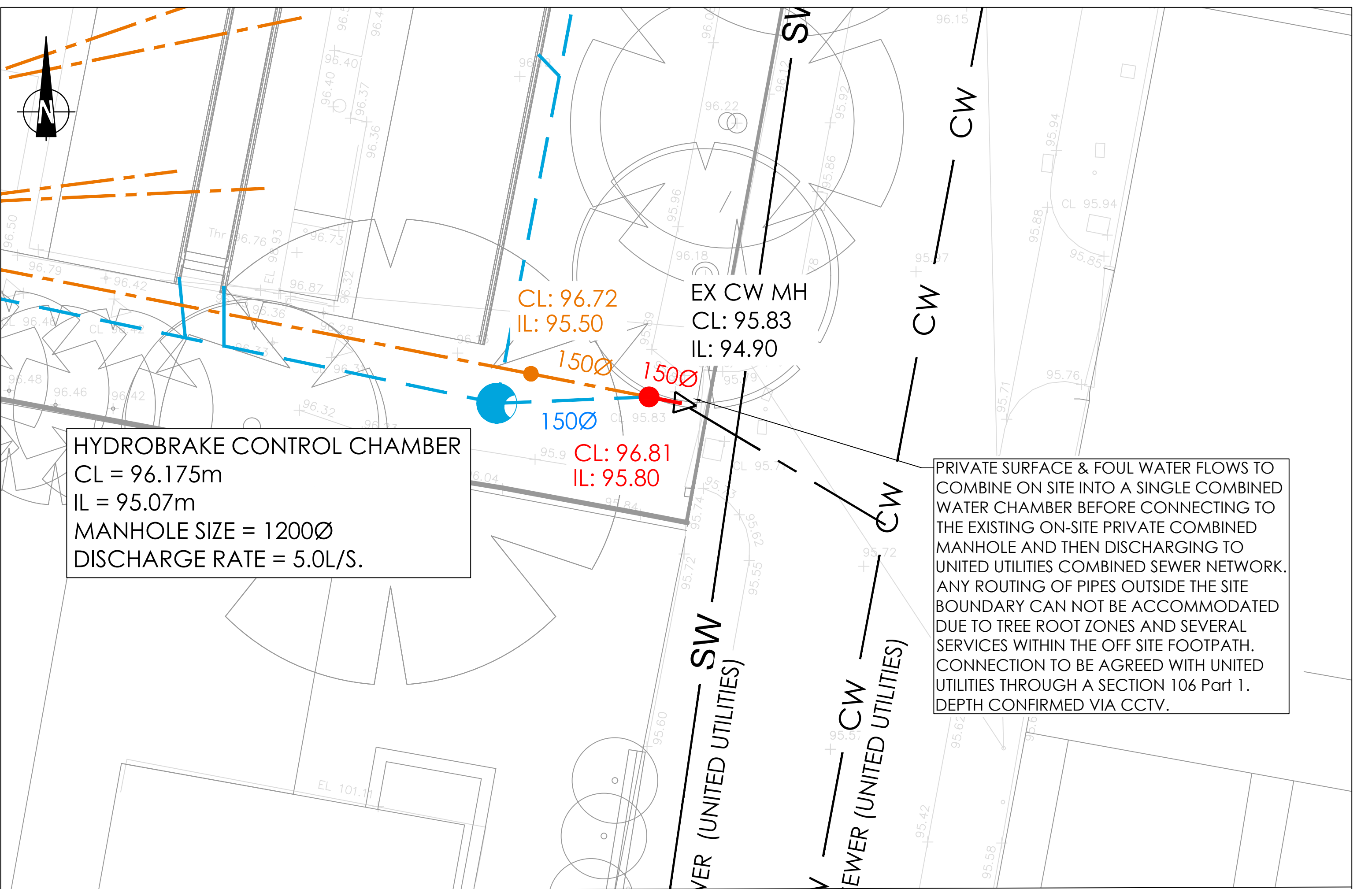




NOTE:

1 ALL DIMENSIONS IN MM

2 A CONCRETE SURROUND IS NOT NORMALLY TO MANHOLES UNLESS INSTALLED IN AREA OF UNSTABLE GROUND, UNDER CONDITIONS OF FLOATATION OR WHERE SUBJECTED TO EXCEPTIONAL OR ECCENTRIC LOADS IN WHICH CASES A 150MM SURROUND OF AT LEAST 20N/MM² CONCRETE SHOULD BE PROVIDED. ANY JOINTS SHOULD BE STAGGERED WITH THE PRECAST CONCRETE JOINTS.

3 DOUBLE STEPS SHALL BE PLASTIC ENCAPSULATED CARBON TO BS EN 1247-2 MANHOLE STEPS. STEP IRONS AT 300 CENTRES HORIZONTALLY AND VERTICALLY MAY BE USED AS AN ALTERNATIVE TO DOUBLE STEPS.

NO DETAIL REQUIRED DUE TO OUTFALL UTILISING EXISTING PRIVATE CONNECTION TO UNITED UTILITIES SEWER.

TYPE 7 BEDDING DETAILS
(EMBEDMENT CLASS S)

FORMATION LEVEL

TYPE 1 SUB-BASE (UNDER CARRIAGEWAY ELSEWHERE USE SUITABLE FILL MATERIAL)

LIMIT OF MACHINE COMPACTION.

PROCESSED GRANULAR MATERIAL

B = EXT DIA + 300MM

Y (SEE TABLE)

BEDDING FACTOR (SEE NOTE)	
2.2	NARROW TRENCH
2.2 OR 2.5	NARROW TRENCH
2.2	EMBANKMENT

BEDDING FACTORS ARE DERIVED FROM A GUIDE TO DESIGN LOADINGS FOR BURIED RIGID PIPES" AND IGN 4-11-02 "REVISED BEDDING FACTOR FOR VITRIFIED CLAY DRAINS AND SEWERS".

NORMINAL INT PIPE DIA	MINIMUM INTERNAL CHAMBER DIA	MINIMUM CLEAR OPENING SIZE	COVER SLAB ACCESS HOLE	COVER FRAME SEALING RING
100	1050	750x750	750x750 CENTRAL	750x750 CENTRAL
150	1050	750x750	750x750 CENTRAL	750x750 CENTRAL
225	1200	1200x675	1200x675 CENTRAL	1200x675 CENTRAL
300	1200	1200x675	1200x675 CENTRAL	1200x675 CENTRAL
375	1350	1200x675	1200x675 CENTRAL	1200x675 CENTRAL

GENERAL NOTES

THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.

ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS, RELEVANT BRITISH STANDARDS AND WHERE APPLICABLE LOCAL AUTHORITIES REQUIREMENTS.

Amber House | Green Lane | Liverpool | L13 7GD
T: 0151 305 0700 | W: www.shapeengineering.co.uk | Tweet Us: @shapetweets

PROJECT	Willow Street Bury Manchester
TITLE	Combined Water Part 1 S106 Application Proposal

P04	BW	Combined water manhole added before outfall	09/10/2024
P03	BW	Updated Outfall Arrangement	25/09/2024
P02	BW	Updated to reflect latest drainage arrangement	17/09/2024
P01	BW	First tender issue	
Rev	By	Description	Date
Revision Schedule			
Client		Irwell Valley Homes	
Status	S2	Purpose of Issue Preliminary	
Designed By	BW	Approved By	GP
Drawn By		BW	
Project No.		2527	
Sheet No.		C-0008	
Scale (@ A2)	1:100	DATE	13/05/2024
Rev		P04	