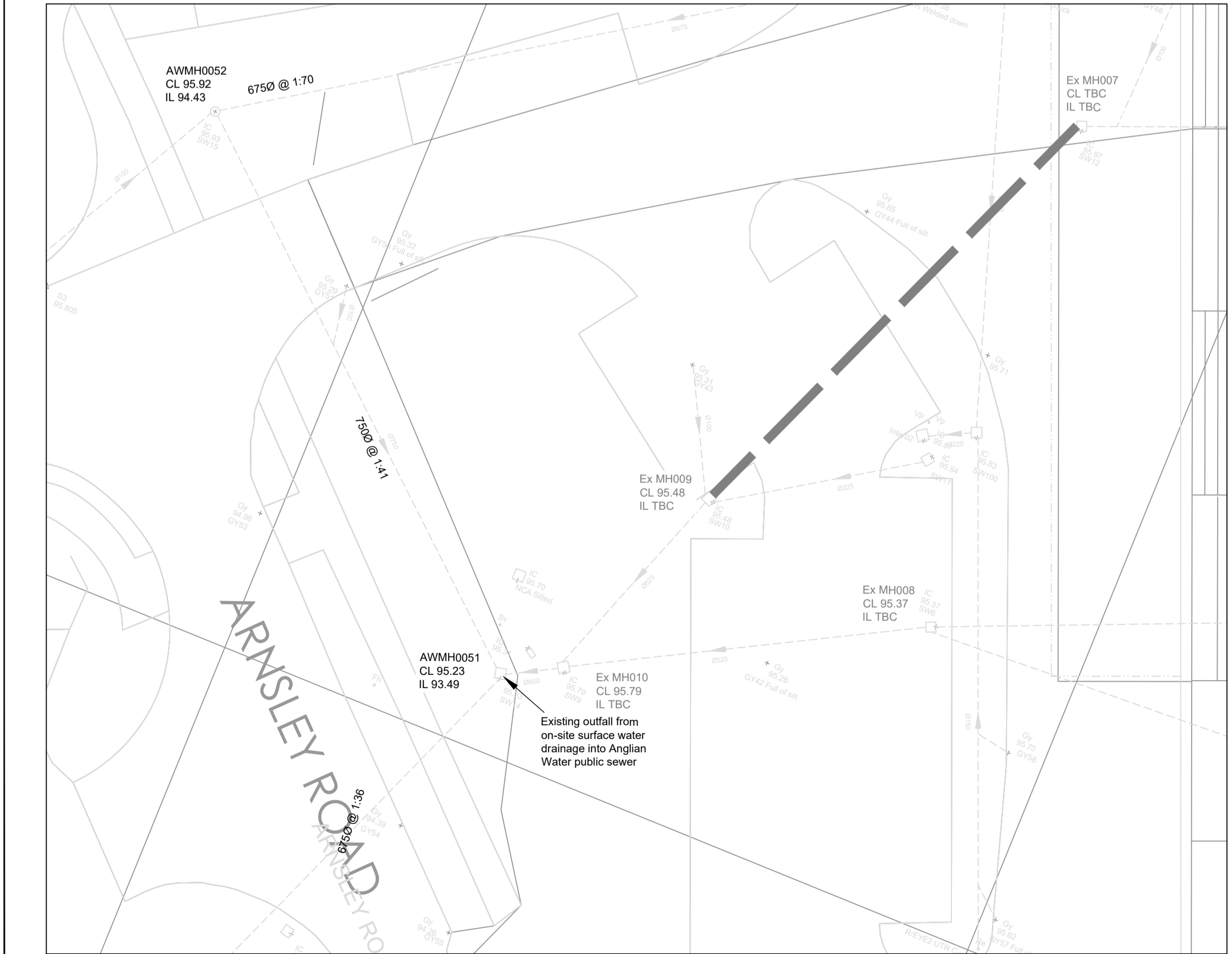


SEE INSET A



INSET A
SCALE 1:250

GENERAL NOTES

- This drawing is to be read in conjunction with all other relevant Engineering and Architect's details.
- All dimensions are in metres unless otherwise stated.
- The Contractor shall be responsible for checking all tie-ins for line and level with existing foul and surface water systems before commencing any works.
- The Engineer shall be notified immediately, in writing, should any errors or discrepancies be found prior to the commencement or continuation of any works.
- All work is to be carried out in accordance with current British Standards, Building Regulations and NHBC Standards.
- All drainage work is to be strictly in accordance with the requirements of the Building Regulations 2010, Approved Document Part H, "Drainage and waste disposal". (2015 Edition)
- It is the responsibility of the Contractor to execute the works at all times in strict accordance with the requirements of the Health and Safety at Work Act 1974, and the C.D.M. Regulations 2015. The Contractor will be deemed to have allowed for full compliance with the Principal Designer within his rates.
- All existing land drains encountered on site during construction are to be reconnected.
- Should any departure from the proposed slab or external levels be considered, agreement shall be sought from the Engineer immediately and prior to the commencement or continuation of any works. Proposals should take full account of all restrictions to the slab level.
- Temporary protection to be provided to drainage work during construction as necessary.

SPECIFICATION NOTES

- The following types of pipe may be used unless noted or agreed otherwise:
 - Pipes up to 600mm diameter to be Structured Wall to BS EN 13476, Polypropylene to BS EN 1852 or PVC-U to BS EN 1401.
 - Pipes over 600mm diameter to be Concrete to BS 5911.
- Both Clay and Concrete pipes shall be strength class 120 (100/150mm min crushing strength 28kN/m). Thermoplastic pipes shall have a minimum ring stiffness of SN4.
- Pipes which run adjacent to buildings shall be installed in strict accordance with Part H, Clauses 2.23 to 2.25.
- All pipes, chambers and fittings shall be installed, bedded and backfilled in accordance with the manufacturers instructions subject to the following minimum requirements;

Pipe Location	Cover to crown Bedding	Clay/Concrete Pipe * Bedding	Plastic Pipe Bedding	Backfill
Roads (HGV)	>1.2m <1.2m	Class S Class 'A' (Concrete)	Class S (Stor2) Class 'A' (Concrete)	Type 1 Granular
Drives / car parking	>0.9m <0.9m	Class S Class 'A' (Concrete)	Class S (Stor2) Class 'A' (Concrete)	Type 1 Granular
Hard and soft Landscaping	<0.6m <0.6m	Class S Class 'A' (Concrete)	Class S (Stor2) Class 'A' (Concrete)	Suitable as dug material
- The first flexible joint in pipes adjoining a manhole shall be a maximum length of 600mm from the inside face of the manhole, connecting to a rocker pipe. The length of the rocker pipe shall be as follows;

Pipe diameter	Length of Rocker pipe
150-600mm	600mm
675-750mm	1000mm
over 750mm	1250mm

- All manholes and inspection chambers situated in areas subject to vehicular loading to have class D400 covers and frames to BS EN124 and those not subject to vehicular loading to have class B125 covers and frames.
- Drainage frames must be tied to manhole risers by use of manufacturers ties (eg. Polytype ref FRK500 fixing kit and FRK501 black ties). The ground works contractor will be held fully responsible for any accidents due to incorrect fitting or failure to use the correct manufacturers fixing equipment.
- All drains in the vicinity of existing or proposed trees to be constructed in accordance with the requirements of NHBC Practice Note 3.
- All drainage MH covers and frames to be orientated so that they are square and perpendicular to the block paving patterns where applicable. MH cover location also to avoid building door opening locations where possible.
- All surface water connections to be 150mmØ and foul connections to be 100mmØ unless noted otherwise.
- All foul laterals to be min 1:80 gradient; surface water laterals to be min 1:100.
- Alarm panels for oil separators are to be installed within the gatehouse, where applicable, or in the building reception.
- Detention basin and swales to be lined to prevent percolation of surface water into underlying strata. Lining to be either artificial membrane or suitable clay material.
- Contractor to allow for granular layer below basin liner to dissipate ground gasses and prevent damage to liner.

KEY

- Proposed surface water drainage
- Existing private surface water drainage
- Existing private drainage to be grubbed out
- Existing Anglian Water surface water sewer
- Existing filter drain
- New filter drain
- Indicative rwp connection. Specification as per specialist/architects specification.
- Indicative siphonic connection. Specification as per specialist/architects specification.

Rev	Date	Amendments	By	Chk
C02	04.12.23	SMH001 updated to vented chamber to suit siphonic drainage.	SJ	JZ
C01	30.11.23	Updated to suit architects layout 21.11.23. Basin location amended. Status updated for construction.	SJ	JZ
P03	13.10.22	Amended to suit CCTV survey layout	AP	WN
P02	13.06.22	Tender issue	AP	ML
P01	12.04.22	Issued for information	AP	ML

RLRE
Consulting Engineers
Client

CITIVALE

Project
SOLIDUS SOLUTIONS CORBY

Drawing Title
DRAINAGE STRATEGY

Status
CONSTRUCTION

Scale
1:250 @ A1

Drawn
AP

Checked
ML

Date
12.04.22

Drawing Number
22026-RL-22-XX-DR-C-2000

Revision
C02

Scale Bar
1:250

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Health & Safety Information Key

- Used to provide design specific safety information that may not be obvious to a competent contractor but may be useful
- Used to restrict/prevent a possible action, e.g. stop construction traffic from entering an area
- Used to warn of significant design hazards, adding recommendations
- Used to encourage a positive action, e.g. use of robust protection for inspection chambers