

HEALTH & SAFETY: The works shall be carried out by specialist competent and experienced contractors. All operatives shall have received full and appropriate training with appropriate qualifications for the operations they are required to undertake. All work shall be carried out in accordance with the relevant Health & Safety Regulations.

Drainage Notes

Any discrepancies shall be reported to the engineer for action prior to construction.

All drainage works shall be carried out in accordance with the requirements of the local authority and in conjunction with all relevant British Standards, Codes of Practice and 'Sewers for Adoption' 6th Edition and addendums as appropriate. All drainage shall comply with the typical drainage construction details and the requirements of BS EN 752.

Access covers and frames shall comply with the loadings specified and to BS EN 124 and kitemarked or if recessed covers are specified then in accordance with FACTA association equivalent. Allow for recess manhole covers to accept landscape architect finishes to all landscaped areas (total 9No. covers)

The proposed building outlines shown on this drawing are for information only. Refer to Architects plans for setting out information and details.

For setting out dimensions of SS's, SVP's, RWP's, Floor Gully & other drainage 'pop up' locations, refer to Architects or Mechanical & Electrical Engineers drawings. Location of external channel drains and gully locations / requirements to be confirmed by architect.

All pipework to be: Foul TBC and Surface Water 150mm unless otherwise stated.

All drainage pipework shall be laid soffit to soffit unless noted otherwise.

All underslab drainage shall be laid at gradients of 1:80 min. for foul pipework and 1:100 min. for surface water unless noted otherwise. All underslab drainage shall be clear of foundations unless shown otherwise. Use of long radius bends is acceptable provided they are kept to a minimum and used where unavoidable.

All surface water drop down positions shall have a bend set at invert level no greater than 1.3m below finish floor level.

At least one soil pipe at the head of each foul run shall be vented to the atmosphere. All rainwater downpipes shall be accessible above ground for rodding purposes.

Cover levels shown on this drawing are approximate and shall be adjusted to suit levels on site by Contractor. Covers shall be orientated to suit pavement finishes where appropriate.

All private drainage pipework for foul and surface water systems have been designed on the basis of UPVC to BS EN 1401-1, unless noted otherwise.

Concrete encasement of the pipework shall be required where the vertical clearance between two pipes crossing is less than 300mm.

All drainage connecting to the public sewer network shall not commence until receipt of the approval from the drainage authority and shall comply with requirements using vitrified clay pipework to BS EN 295 with plain sleeved or socketed flexible joints subject to approval.

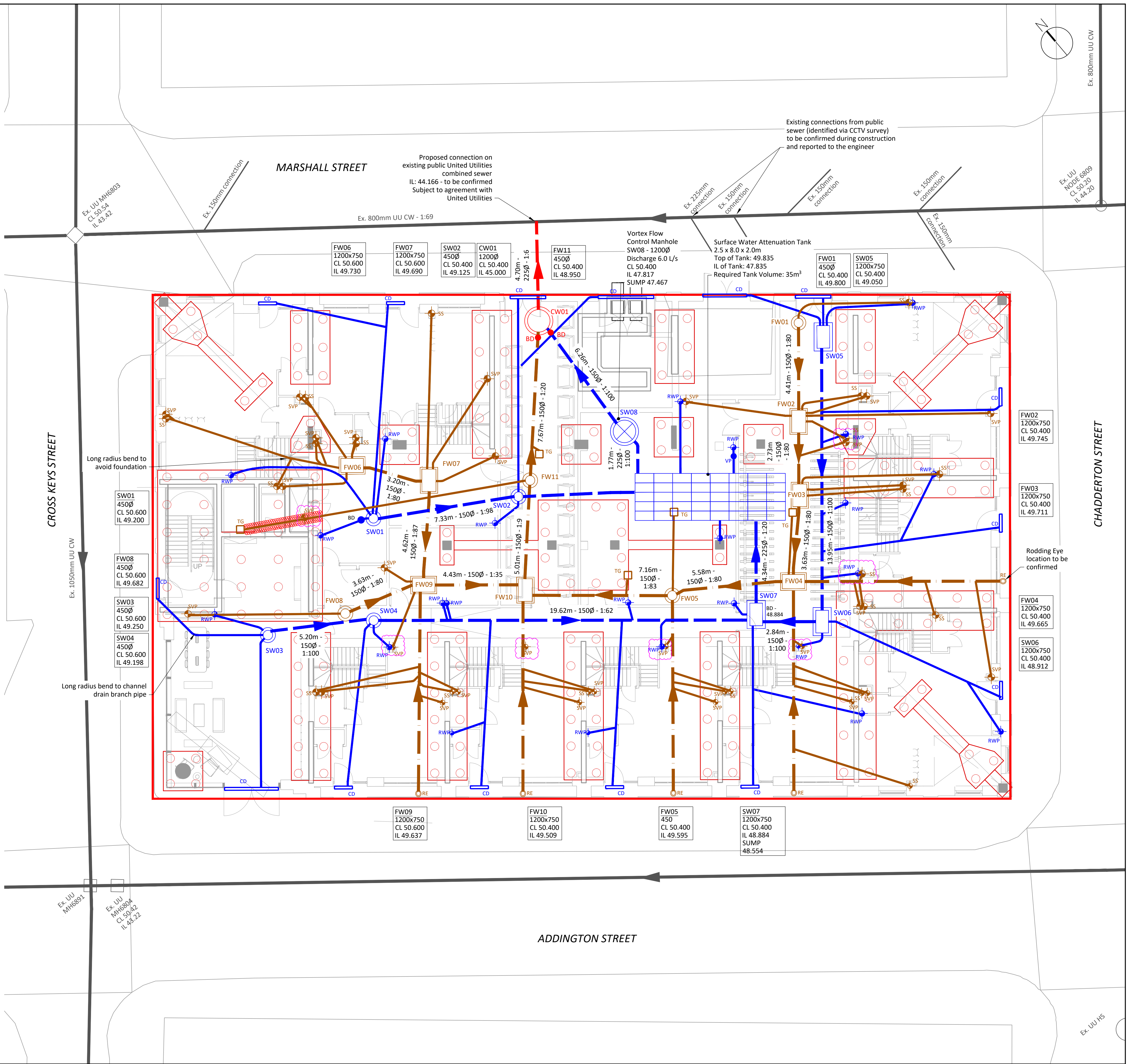
Where drainage works are carried out in the public highway the relevant necessary approvals and road opening notices shall be obtained from the highway authority and utility companies.

Prior to construction the flow control manufacturer's drawing and hydraulic table shall be provided to the engineer for approval

Prior to construction the attenuation tank manufacturer's drawings shall be provided to the engineer for approval

Upon completion all new drainage installation together with any existing drainage retained shall be jetted and CCTV surveyed upon completion. Contractor to ensure that the drainage system is fully operational, free of excess debris/silt and all identified faults rectified. A copy of the survey shall be provided to the Project Manager.

Foul pipe sizes are subject to confirmation following receipt of foul units/flows from MEP Engineer

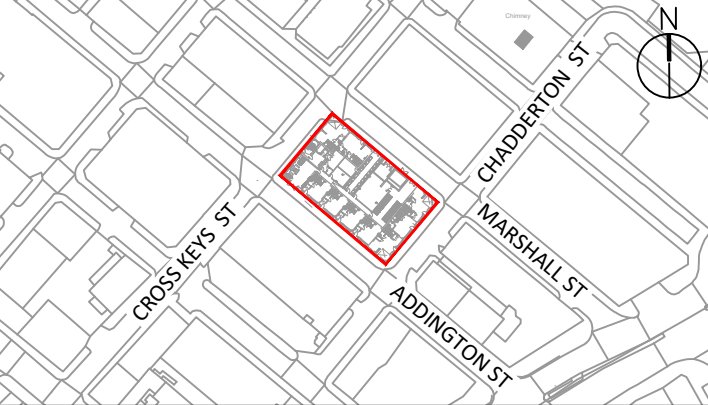


Standard Notes

1. This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and the specification.
2. This drawing should not be scaled.
3. All dimensions are to be verified by the contractor on site.
4. All discrepancies should be reported to the C.A. prior to the commencement of the works.

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Location Plan



Notes

1. This drawing has been based on the following;
 - GA Layout (ADST-HBA-00-00-DR-A-20-0100) provided by Hawkins Brown Architects on 21/01/2020
 - M&E dropdown positions (WECE-214-M-100-106-T2) provided by Watt on 20/01/2020
 - Locations of existing manholes and sewers are based on Sewer Records by United Utilities and CCTV Survey provided by Layer Surveys on 27/06/19

Key

- Site Development Boundary
- Existing United Utilities Combined Water Sewer
- Proposed Combined Water Drainage
- Proposed Foul Water Drainage
- Proposed Surface Water Drainage
- Proposed sleeve through foundation
- Proposed Combined Water Manhole (Type 1)
- Proposed Foul Water Rectangular Manhole
- Proposed Foul Water Rodding Eye
- Proposed Surface Water Manhole with Flow Restriction
- Proposed Surface Water Rectangular Manhole
- Proposed Rainwater Pipe
- Proposed Soil Vent Pipe and Sub Stack
- Proposed Backdrop
- Proposed Attenuation Tank
- Proposed Vent Pipe
- Proposed Channel Drain with roddable sump unit on outfall
- Proposed Building Foundations See Civic Structural Drawings

25.06.21	C03	Amendments to suit revised pop ups	AB	CK
22.06.21	C02	RWP locations amended, Lift pit drain amended & MH FW11 added	AB	CK
26.03.21	C01	Revised to suit foundations & pop ups	AB	CK
29.01.21	T03	Updated drawing number	LGSS	CK
07.12.20	T02	Stage 3 Tender - Revised to suit foundations	EMM	CK
Date	Rev	Description	Drawn	Chkd

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Project				
Addington Street New Cross				
Title				
Drainage Strategy General Arrangement				
Status				
CONSTRUCTION				
Scale @ A1	Date Created	Drawn	Checked	
1:100	Mar 19	EMM	PJC	
Project Number	Originator	Discipline	Drawing Number	Revision
AS01	CIV	D	DR-0001	C03