Key

- Site Boundary
- Proposed SW Drainage
- Proposed FW Drainage
- Long Radius Bends (45, 22.5, 11.25 degrees)
- Backdrop / Ramp
- Proposed SW Manhole
- Proposed FW Manhole
- Proposed Catchpit
- Proposed SW Gully
- Proposed Slot Drain ACO MD100 or Similar
- Existing Drainage
- Proposed Filter Drain
- Proposed Services
- Proposed Ground Floor Filter Drain
- Proposed Ground Floor Catch Pit
- Proposed Ground Floor Rodding Eye

Notes

1. All dimensions are in mm, all levels in mAOD unless specified otherwise.
2. This map is reproduced from Ordnance Survey Material with the permission of the Ordnance Survey on behalf of the controller of her Majesty's Stationery Office (c) Crown Copyright. License Number 0100031673 (2016).
3. This drawing is copyright and if for use at the permission of Arup. This drawing should be read in conjunction with all relevant consultants drawings and specifications.
4. To be read in conjunction with all project specifications and drawings.
5. Layout is based on drawing CW SKM (SO) 900 svp gully coordinates rev c.
6. All gully and linear drainage connections are to be 150mm diameter vitrified clay pipe.
7. Final gully and channel locations to be verified on site by contractor taking into account final architect's paving layout and installation details.
8. Building Connections are based on drawing CW SKM (00) 120125 pro level 00 GA.
9. Rain Water Pipe Connection are based on drawing CW SKM (00) 120125 pro level 00 GA.
10. Specifications: All external drainage to be in accordance with the Civil Engineering Specification for the Water Industry (CESWI) 7th Edition and Sewers for Adoption 7th Edition.
11. Pipe Materials:
    Solid Wall PVC-U (BS EN 1401);
    Vitrified Clay (BS 65 and BS EN 5911);
    Concrete (BS EN 1916 and BS EN 5911);
12. Existing Foundations layout is based on Joule drawings 100 to 115 - Ext Plans and Trial Pits
13. All SVP to have Invert Level 1.0m below FFL. Refer to Standard Details.
14. FW pipes to be Ø100 installed at 1:40 unless otherwise specified on the plans or schedules. SW pipes to be Ø100 installed at 1:60 unless otherwise specified on the plans or schedules.
15. Services Layout based on BSD Drawing dated 26/04/2018
16. Surveys required to confirm existing outlets and conditions. Refer to drawing: CW-ARUP-ZZ-XX-SK-C-2401 for scope of survey.

Rev	Date	By	Chkd	Appd
C08	11/10/19	CD	AR	AR
Tank Room Gullies added to the drainage				
C07	18/06/19	CD	AR	AR
Update to Proposed Ground Floor Filter Drain				

ARUP

10th Floor The Plaza
100 Old Hall Street Liverpool L3 9QJ
Tel+44(0)151 227 9397 Fax+44(0)151 227 9398

Client
Capital & Centric

Project Title
Crusader Works

Key Plan

Drawing Title
Proposed Drainage Layout Plan
Sheet 2 of 7

Scale at A1: 1:50
Role: Civils
Suitability: A1 - Fit for Construction
Arup Job No: 260470-00
Rev: C08
Name: CW-ARUP-ZZ-XX-DR-C-2403

Do not scale

© Arup

\\Global.arup.com\Europe\Liverpool\Jobs\260000\260470-00\4 Internal Project Data\4-03 Drawings\0_Drawings\Civil\A1\CW-ARUP-ZZ-XX-DR-C-2403.dgn