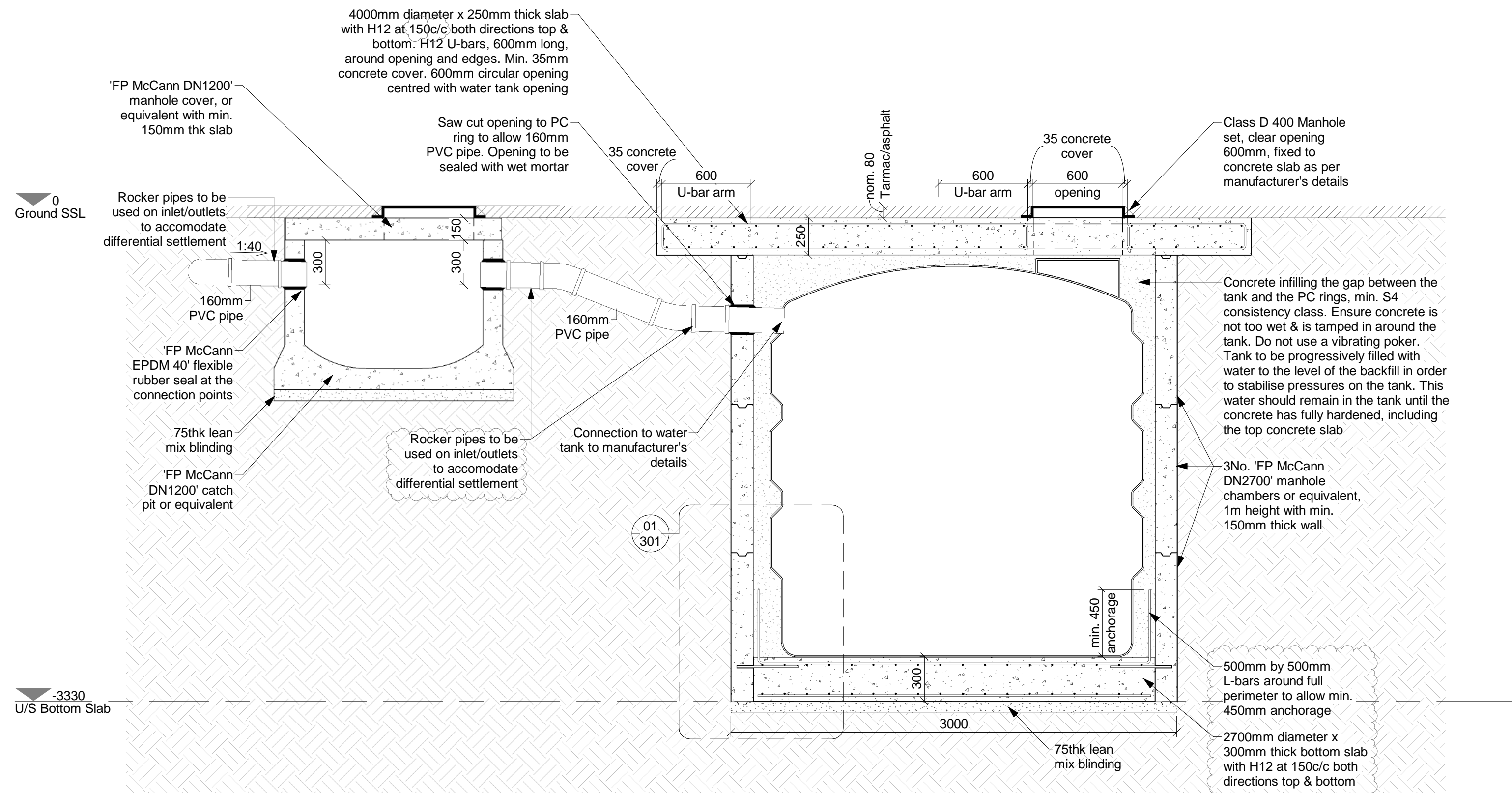
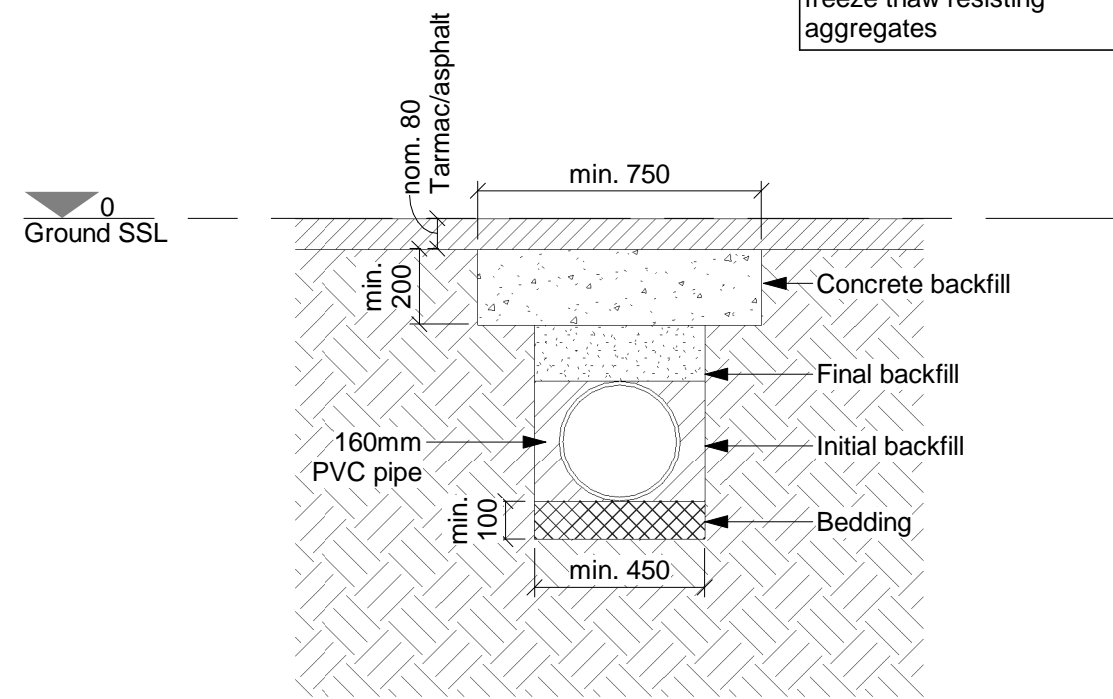


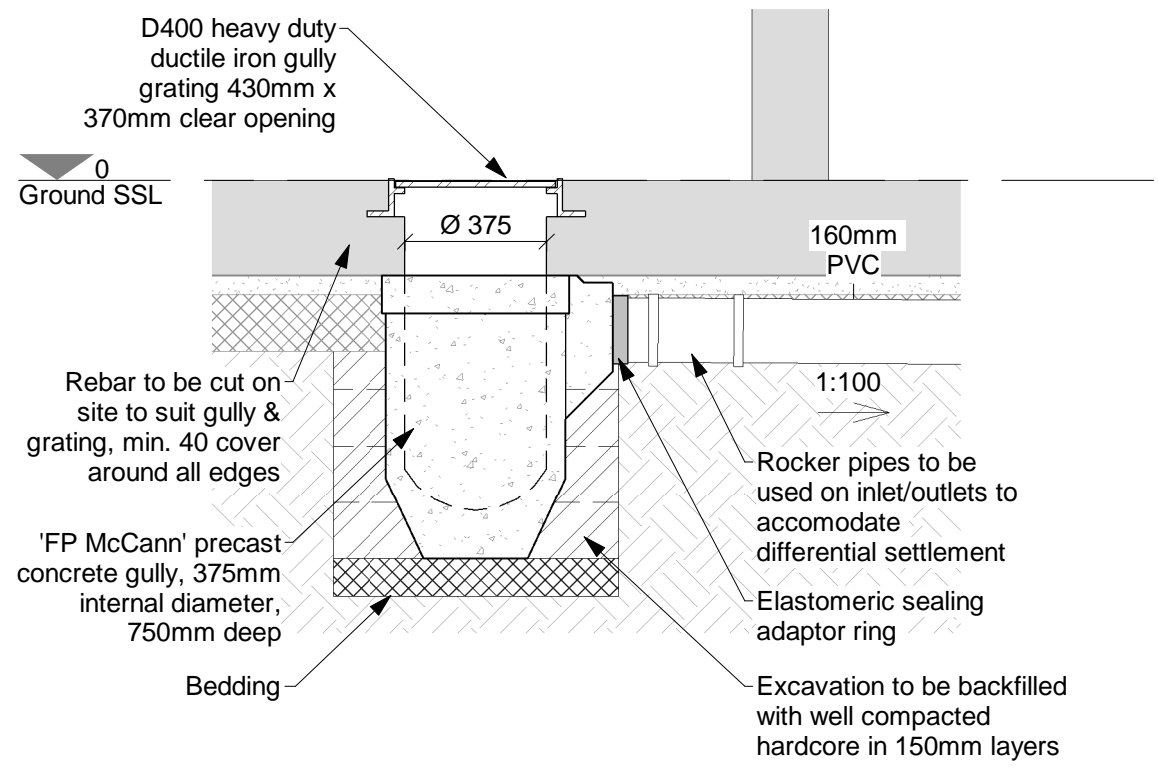
Modules 1, 2 & 3 Ground Level Plan
Surface Water Drainage
Scale 1 : 50



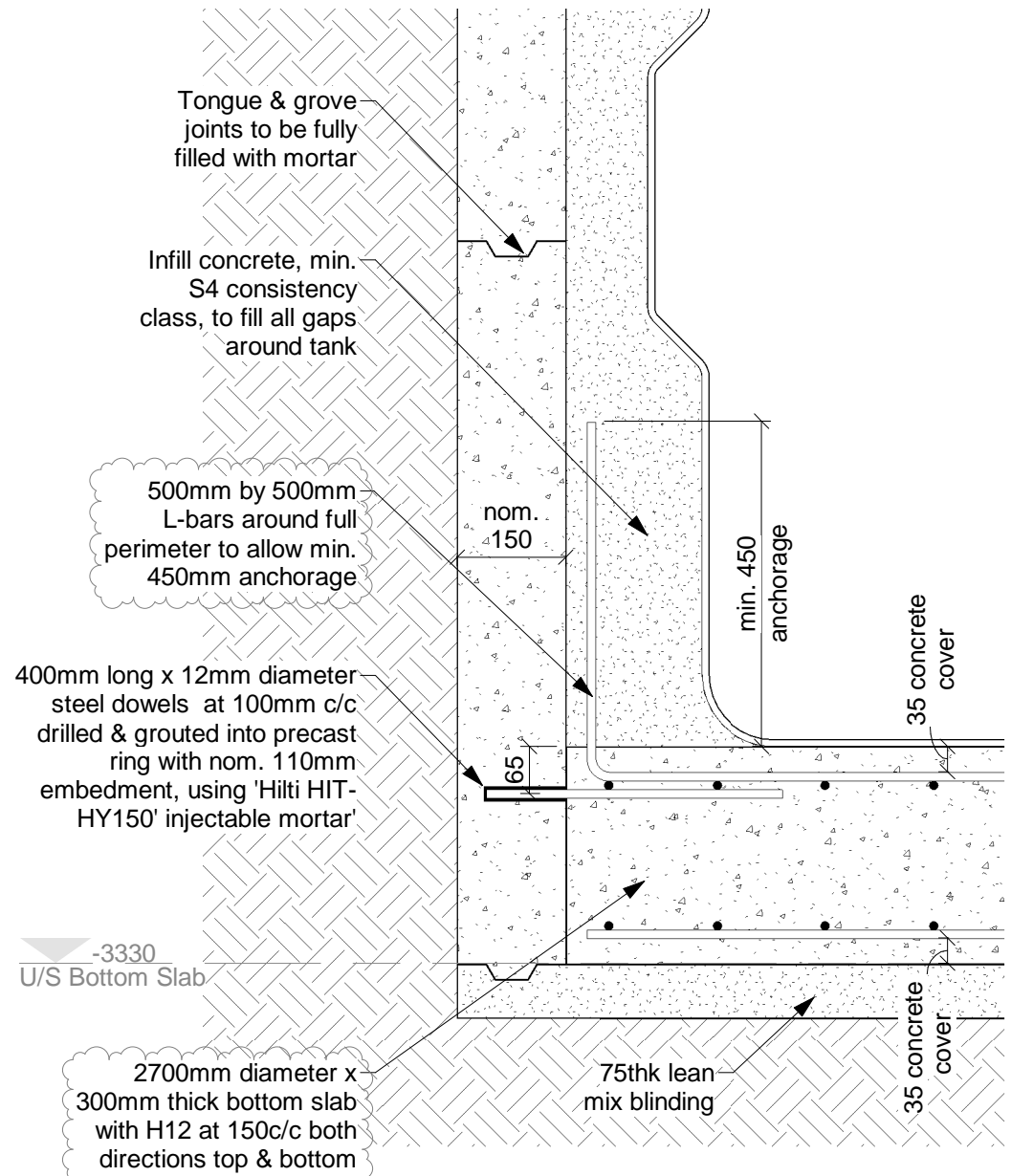
Proposed Section B-B
Surface Water Drainage
Scale 1 : 25



Trench Fill Detail
Proposed Section A-A
Scale 1 : 20



Precast Gully
Proposed Section C-C
Scale 1 : 20



Proposed Detail 01
Scale 1 : 10

Concrete Schedule	
(refer to 'Concrete' sheet notes)	
Element	Value
Top & Bottom Slabs	
compressive strength class	C25/30
max. W/C ratio	0.60
min. cement content	280kg/m³
DC class	DC-1/0
max. aggregate size	20mm
chlorid class	CL 0,40
cement/combination group	All
air-entrainment required	4.5%
consistence class	S3
freeze thaw resisting aggregates	required

- Notes
- 1) GENERAL
- a) this drawing is copyright protected and may not be used, reproduced or relied upon by third parties except as explicitly agreed by Michael Aubrey Partnership Ltd.
- b) all measurements must be obtained from stated dimensions and must not be scaled except for Local Authority planning application purposes
- c) all dimensions are in millimetres unless noted otherwise and must be verified on site prior to works
- d) all drawings are to be read in conjunction with all other project drawings and any discrepancies must be reported immediately for clarification
- e) all proprietary products are to be installed strictly to Manufacturer's instructions
- f) for complete schedules, legends, sheet notes & specification notes, refer to '900' series drawings

- 2) TEMPORARY WORKS
- a) all temporary propping to Contractor's design. The project must be evaluated for suitable propping locations prior to work commencement. Engineer to be contacted if any assistance is required

- 3) CONCRETE
- a) all concrete to be as per 'Concrete Specification'

- 3) STEEL REINFORCEMENT
- a) to comply with BS 4449 & cut & bent to BS 8666
- b) all high yield steel with a minimum yield strength of 500 MPa to be marked with "H"
- c) no reinforcement shall be roughly handled, dropped from a height or subjected to shock loading or mechanical damage
- d) at the time of placing concrete, reinforcement shall be clean & free of corrosive pitting, loose mill scale, loose rust, oil and other substances that may adversely affect the reinforcement, concrete, or bond between the two
- e) unless otherwise permitted, reinforcement shall be fixed in position before placing concrete. In addition to any spacers & chairs shown on drawings or schedules, adequate support & secure ties shall be provided to maintain the specified cover
- f) no steel reinforcement shall be placed or fixed in contact with non-ferrous metals

- 4) TRENCH FILL
- a) Bedding & Initial Backfill: granular material to conform to BS EN 1610 which should be single sized from 5mm up to a maximum size of 14mm
- b) Final Backfill: selected fill free from stones larger than 40mm, lumps of clay over 100mm, timber, frozen material or vegetable matter

- 5) METHOD OF STATEMENT
- a) for 'Method Statement for the Installation of the 10,000 L Water Tank' refer to 'MAP/C3106/902'

A	21.12.2017	FM	Rubble pit & internal gullies added
0	27.10.2017	FM	First issue

Rev.	Date	By	Description
m			
a			

michael aubrey
partnership
Structural Engineers and BIM Modellers
6 Ivanhoe Road, Hogwood Business Park,
Finchampstead, Wokingham, Berkshire. RG40 4QQ.
t: 0118 962 9666 www.mapl.co.uk

Project

Leicestershire Fire & Rescue Service - USAR Training Facility

Client

Leicestershire Fire & Rescue Service, 12 Geoff Monk Way, Birstall, Leicester. LE4 3BU

Title

Surface Water Drainage

Drawing No.	MAP/C3106/301	Revision	A
Project No.	C3106	Date	21.12.2017
Drawn by	FM	Checked by	CM
Scale	As indicated	Sheet Size	A1