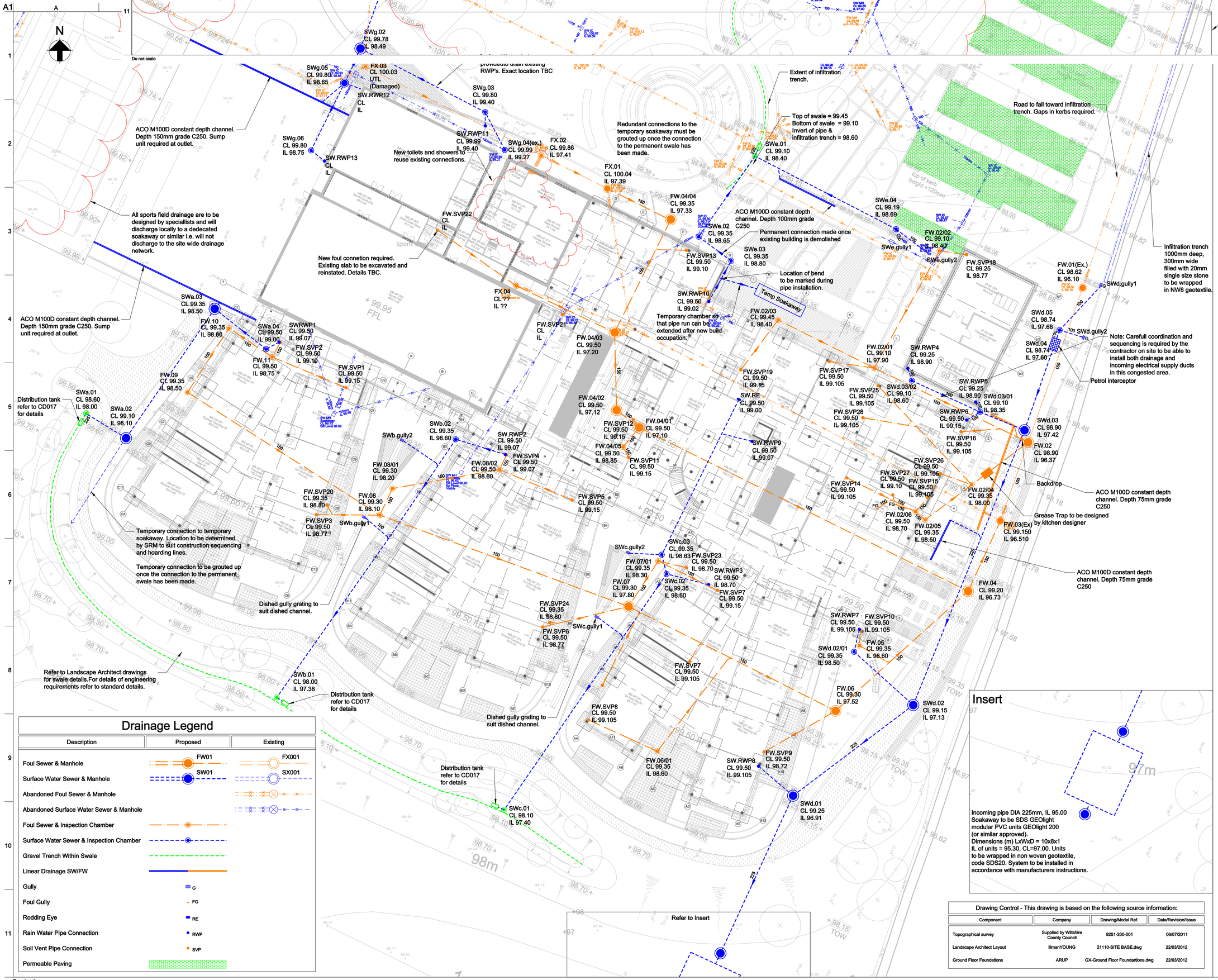
Appendix C – Existing Drainage Information



Drainage Legend

Description	Proposed	Existing
Foul Sewer & Manhole	FW01	FX001
Surface Water Sewer & Manhole	SW01	SX001
Abandoned Foul Sewer & Manhole		
Abandoned Surface Water Sewer & Manhole		
Foul Sewer & Inspection Chamber		
Surface Water Sewer & Inspection Chamber		
Gravel Trench Within Swale		
Linear Drainage SW/FW		
Gully	G	
Foul Gully	FG	
Rodding Eye	RE	
Rain Water Pipe Connection	RWP	
Soil Vent Pipe Connection	SVP	
Permeable Paving		

Drawing Control - This drawing is based on the following source information:

Component	Company	Drawing/Model Ref.	Date/Revision/Issue
Topographical survey	Supplied by Wiltshire County Council	9251-200-001	06/07/2011
Landscape Architect Layout	illmanYOUNG	21110-SITE BASE.dwg	22/03/2012
Ground Floor Foundations	ARUP	GX-Ground Floor Foundartions.dwg	22/03/2012

03. All levels are shown in metres above Ordnance Datum (m AOD). Plans and Layouts show dimensions in metres. Sections, Elevations and Details show dimensions in millimetres.
04. Do not scale from this drawing, only figured dimensions and levels to be used.
05. The locations of existing services shown on this drawing are from the topographical survey dated 18/10/2011.
06. The Contractor should take note of HS(G) 47 'Avoiding Danger from Underground Services' when excavating around existing services.
07. It is the Contractors responsibility to determine the location and depth of all existing services, mains and cables prior to construction.
08. Any existing services encountered that are not shown on this drawing should be reported to the supervising officer immediately.
09. Co-ordinates given at manholes are at the junction of the centre lines of the main pipes in and out of manholes.
10. All private drainage is to be constructed in accordance with Building Regulations.
11. All gravity foul pipes are to be clayware to BSEN 295, pipes of 100mm dia. and 150mm dia. are to have a crushing strength of 28kN/m. All rubber ring joints to be EPMD rubber.
12. The DS Class of the ground used in defining the concrete specification is DS-1. All in-situ concrete used in the construction of the drainage systems shall be a designated concrete conforming to BSEN 206-1 and BSEN 8500-2, mix designation as specification on the drawing.
13. All drainage to be laid soffit to soffit unless indicated otherwise.
14. All foul pipes to be 100mm & all surface water pipes 150mm DIA unless indicated otherwise. Refer to layout and manhole schedule.
15. All concrete pipes, manholes and other below ground concrete structures to be made with sulphate resisting cement.
16. Where possible the Contractor is to orientate manhole biscuits and covers to be parallel to adjascent building and/or paving layout.
17. Chambers within embankments will require ground to be locally steepened. Type and arrangement of ground stabilisation matting and manhole cover surround to be agreed on site. Opening within cover to be positioned on the low side of the embankment. Nominal four courses of brickwork.
18. All internal covers to be of the double sealed and locking type.
19. The Contractor is to bring to the attention of the Engineer any drains other than those shown on the drawings that do not have a minimum cover of 1200mm.
20. All redundant connections to be capped off and grouted from the down stream manhole.
21. All new drainage pipes to be jetted, CCTV surveyed with video recording and any defects highlighted to the supervising officer. Following the rectification of any defects, the drain is to be re-surveyed with CCTV and the recording made available to the Project Manager/Engineer.

Issue	Date	By	Chkd	Appd
09	16/08/12	DJH	EK	MAC
Drainage Layout Amended				
08	06/08/12	DJH	EK	MAC
Manhole Moved to Avoid Building				
07	27/06/12	DJH	EK	MAC
Updated SVP and RWP Locations				
06	10/05/12	DJH	JJM	MAC
Updated Pipe Diameters				
05	26/04/12	DJH	JJM	MAC
Issued for Construction				
04	12/04/12	DH	EK	JJM
Redrawn				
03	03/02/12	PAL	EK	JJM
Issued for Planning				
02	12/12/11	PAL	EK	JJM
Revised to Incorporate SRM Comments				
01	25/11/11	PAL	EK	JJM
First Issue				

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Client
Sir Robert McAlpine

Job Title
Sarum Academy

Proposed Drainage Layout
Sheet 1 of 2

Scale at A1 1:250

Discipline Civil Engineering

Job No 218161-00

Drawing Status Construction

Drawing No CD-001

Issue 09

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