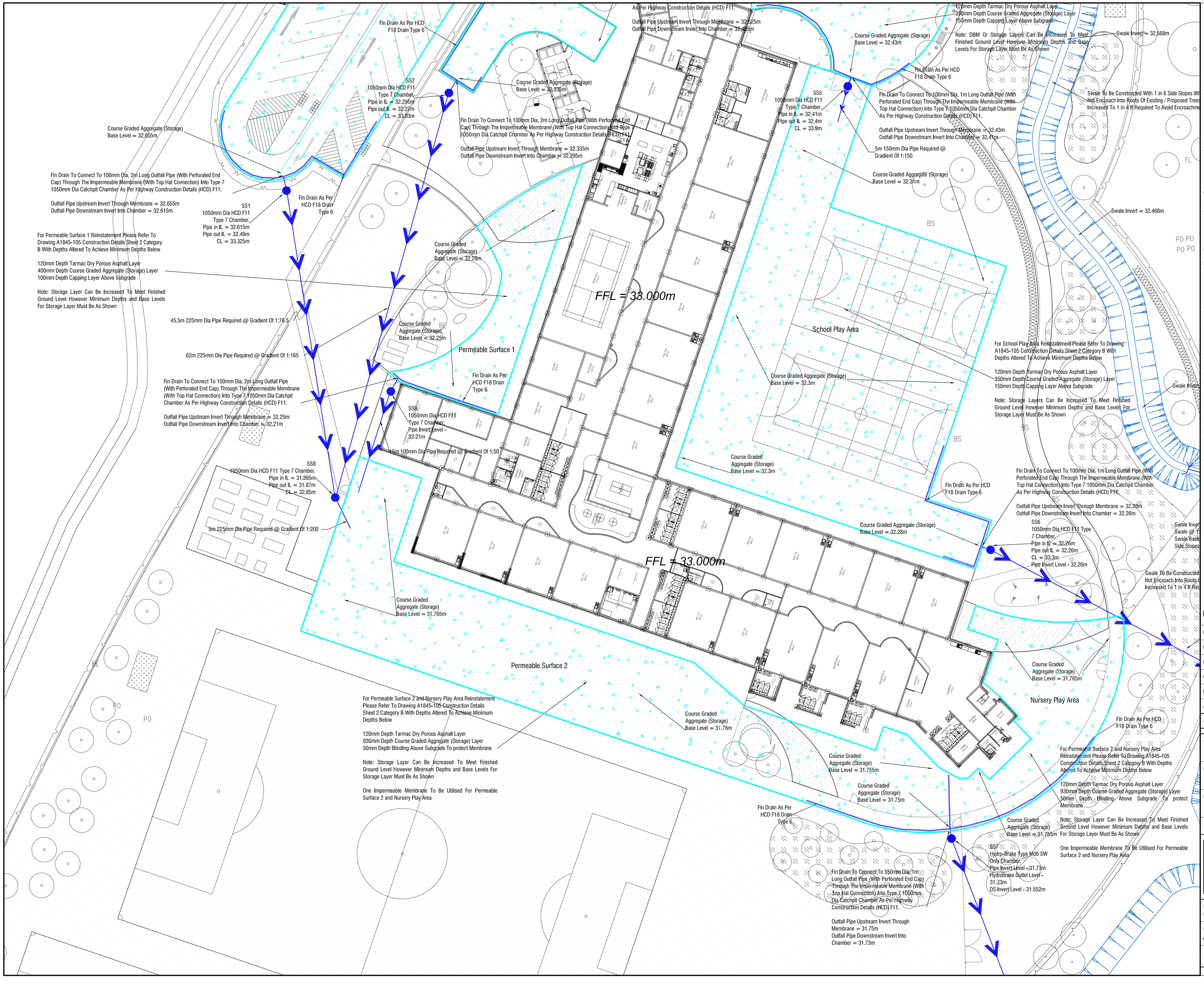

Notes:

1. *Drainage designed in accordance with BS EN 752: 2008 Drain and sewer systems outside buildings.*
2. *Drainage works to carried out in accordance with Civil Engineering Specification for the Water Industry 6th Edition; published by WRc plc 2004.*
3. *Pipes to be uPVC to BS EN 1401-1:1998 for sizes Ø100mm & Ø150mm. Pipes to be uPVC to WIS 4-35-01, for sizes Ø225mm & Ø300mm. Pipes to be concrete to BS 5911-1 and BS EN 1916 for sizes Ø375mm & Ø450mm.*
4. *All levels and dimensions are in meters unless stated otherwise.*
5. *Min cover to drainage infrastructure to be 900mm under roads/footpaths and 600mm under landscaping. Where adequate cover cannot be provided pipes are to be protected with a lean mix concrete surround. Perforated pipes to have concrete surround (where necessary) around the upper half of the pipe to ensure drainage through perforations are not affected.*
6. *Changes in Invert Levels at a manhole (not requiring a drop manhole) shall be graded evenly through the manhole in order to avoid an abrupt change in Invert Level.*
7. *Position of all sewers and services are indicative only. It shall be the Contractor's responsibility to verify position and level prior to commencing construction. The Contractor shall also be responsible for the arrangement of all necessary permits as required prior to commencement.*
8. *Levels and positions of existing discharge sewers to be checked on site prior to commencement of pipe laying.*
9. *Where concrete surround is specified for uPVC pipes the pipes shall be first wrapped with an approved plastic membrane. Flexibility at joints shall be maintained by insertion of 25mm 'Flexcell' (or similar approved) at each joint to break the continuity of the concrete surround. However the plastic membrane shall be continuous at these locations to protect rubber jointing rings from ingress of grout.*
10. *Any manhole not positioned in a paved area shall have the cover and frame surrounded by a 1.2m square paved hard standing.*
11. *Flexible pipes should be wrapped in polythene before surrounding in concrete. The minimum thickness of the concrete surround should be 150mm or the diameter of the pipe whichever is the greater.*
12. *This drawing should be read in conjunction with all relevant drawings (Architectural and Engineering).*
13. *For Materials And Specification Of SUDs Drainage Refer To Drawing A1845-105 Construction Details Sheet 2.*
14. *Separate Area References Denote Separate Permeable Pavements. Permeable Pavements To Be Kept Separate As Referenced Unless Otherwise Indicated i.e. Separate Impermeable Membranes & Storage Layers.*
15. *Invert levels of catchpit chambers shown denote approximate invert levels of the lowest pipe and do not include for catchpit sump depth.*
16. *Chambers SS11 & SS12 to be 1200mm Dia Catchpit Chamber with incorporated galvanized open steel platform with removable access opening to allow safe working platform for inspection and maintenance.*
17. *Pipes discharging to Permeable Pavements to be perforated as shown on Drawing A1845-105 Construction Details Sheet 2. All pipes outside of Permeable Pavements to be non-perforated*

LEGEND

- *Proposed Finn Drain*
- *Proposed SUDs Drainage Pipe*
- *SSxx Proposed Storm Manhole/Chamber*
- *Proposed Extents Of Permeable Pavement (Subject To Change Depending On Final Landscaping Layout)*

CONSTRUCTION

Rev	Date	Description	Drn	Ckd	App
F	23/06/14	Swale Side Slopes 1 in 6	E.A	P.A	M.McG
E	26/03/14	Alterations Following TA Review	E.A	P.A	M.McG
D	20/02/14	Swale, Pond & Outfall amendments	E.A	P.A	M.McG
C	27/01/14	SUDs Amended (Following CBR Tests)	E.A	P.A	M.McG
B	07/01/14	Outfall Levels Drafting Amendment	E.A	P.A	M.McG
A	07/01/14	Infrastructure Lengths Amendment	E.A	P.A	M.McG

Client	Farrans (Construction) Ltd
Project	Lake Farm Primary School
Drawing	Proposed Drainage Layout - SUDs 2
Scale	1:250 @ A1

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Drawn	E.Abraham	Checked	P.Alcorn	Approved	M.McGuigan
Date	06/12/13	Date	06/12/13	Date	06/12/13

Project No	Drawing No	Revision
A1845	110	F

All dimensions are in millimetres. Figured dimensions to be taken in preference to scaled dimensions. Dimensions to be checked on site. © 2010 McAdam Design Ltd