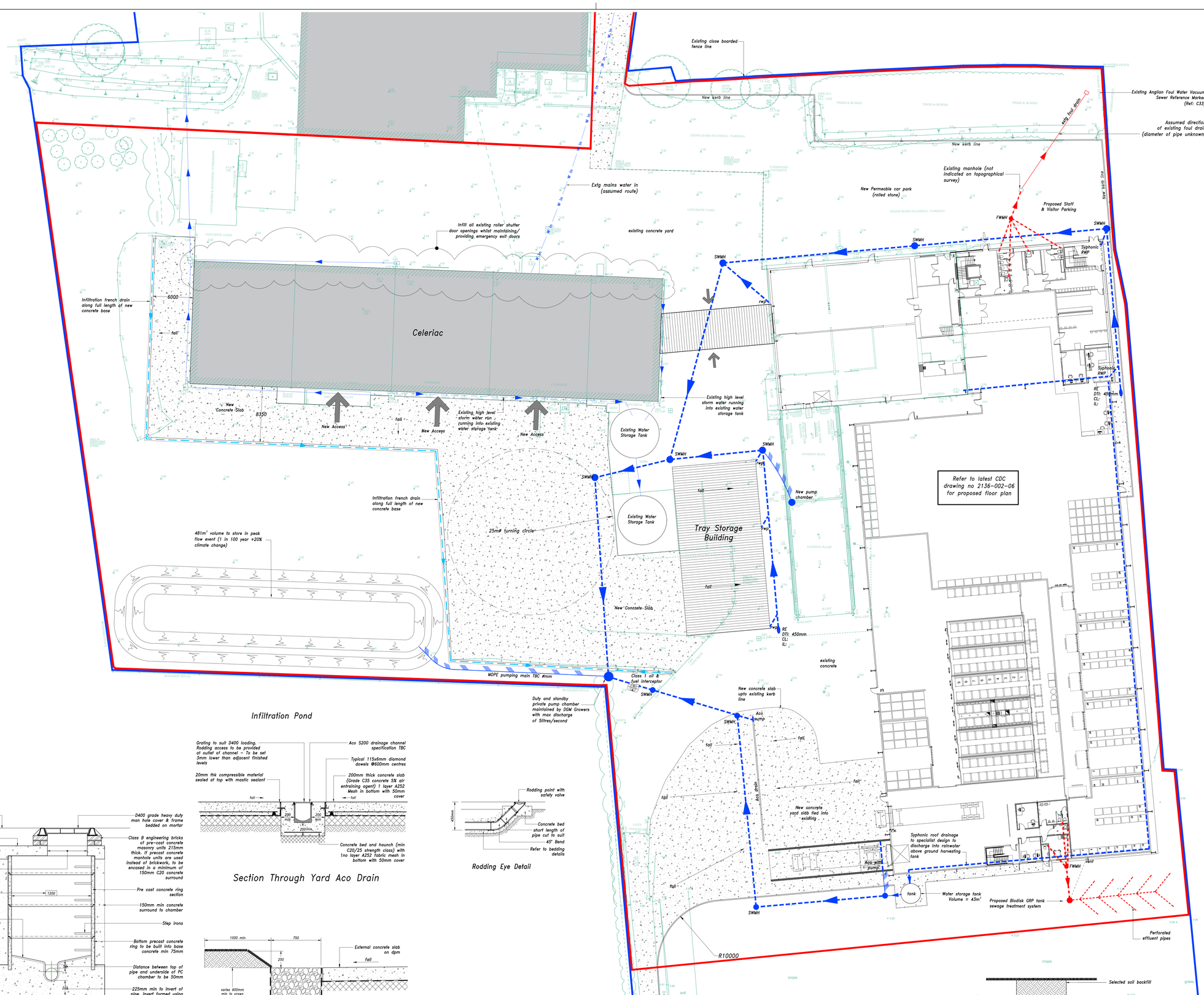


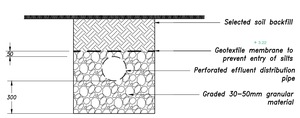
Section Through Yard Aco Drain

Rodding Eye Detail

Typical Pre Cast Concrete Ring Manhole

Diameter of largest pipe in manhole (mm)	Internal diameter of manhole (mm)
Less than 375	1200 (1050 where depth to soffit is 1.35m – 1.5m)
375 – 450	1350
500 – 700	1500
750 – 900	1800
> 900	Consult Undertaker

French Drain Detail



Perforated Effluent Distribution Pipe Detail

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General Notes:

This drawing is to be read in conjunction with any other Central Design Consultants Ltd drawings

All details and dimensions are to be confirmed on site by contractor, prior to works commencing or any ordering of materials. Should any discrepancy be noted between design details/drawings and with dimensions or details on site, Central Design Consultants should be notified and guidance obtained prior to proceeding with any works

This drawing is only to be used 'for construction' if specifically noted as such

The contractor is responsible for maintaining the structural stability of the structures, ground and excavation at all times and the design, detail & installation of all necessary temporary works

Do not scale off this drawing – use figured dimensions only ! If in any doubt – ask !!

Development Boundary

Ownership Boundary

Proposed Storm Water Drainage

Proposed Foul Water Drainage

Existing Storm Water Drainage

Existing Foul Water Drainage

Mains Water In

Proposed 225mmø perforated land drain laid in 500mm wide trench nominal fall to catchpit (min invert level –600mm at base of slope). Trench to be lined with Terram Geotextile and filled with single sized gravel (min 40mm)

EXTERNAL DRAINAGE:
All proposed ground levels are to be confirmed on site.

All pipes to be Hepworth 'Supersleeve' system unless stated otherwise.

Pipe bedding – Granular haunch unless stated otherwise.

All joints within pipes to be formed with proprietary pipe joints before being wrapped with Denso tape or other similar bitumonic tape. Where the depth to the crown of the pipe is less than 600mm or below floor slabs, to be encased with a minimum of 150mm C20 sulphate resisting concrete, with 25mm thk fibre board at each pipe joint. Elsewhere pipes to be encased in a minimum of 150mm of pea gravel (10mm single size).

Where pipes pass through foundations, 100mm ø pipes to be sleeved with 150mmø, 150mm ø pipe to be sleeved with 225mm ø & 225mm ø pipe to be sleeved with 300mm ø through new foundation.

Contractor to ensure that adequate trench supports are provided where necessary, and all pipes are adequately protected while works are carried out on site.

If for any reason the drainage works cannot be carried out as this drawing the Engineer is to be notified immediately.

All rainwater & soil & vent pipes to be fitted with rodable access points 300mm above F.F.L. and external G.L.

All manhole covers to be minimum class D400 in accordance with BS EN 124 unless stated otherwise.

All stormwater pipes to be 150 or 225mm diameter with minimum fall of 1in100 unless noted otherwise and foul pipes 100mm diameter with minimum fall of 1in40 unless otherwise stated.

NOTE: Tree layout is indicative only, based upon Harper Adams drawing entitled 'Proposed Planting Plan At 10 Years' subject to planners approval and position of overheads

Central Design Consultants Ltd.

FOR PLANNING PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

dgm Growers

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Client	Fresca Group (M & W Mack Ltd)
Job Title	Proposed Pack House Buildings, DGM Growers, Oak House, Roman Bank, Holbeach, Spalding, PE12 8BB
Drg. Title	Site Layout Drainage & External Works
Scale	1:200 @ A0
Date	August 2017
Drawn	MK
Drg. No.	2136-002-10

20 40 60 80 100mm