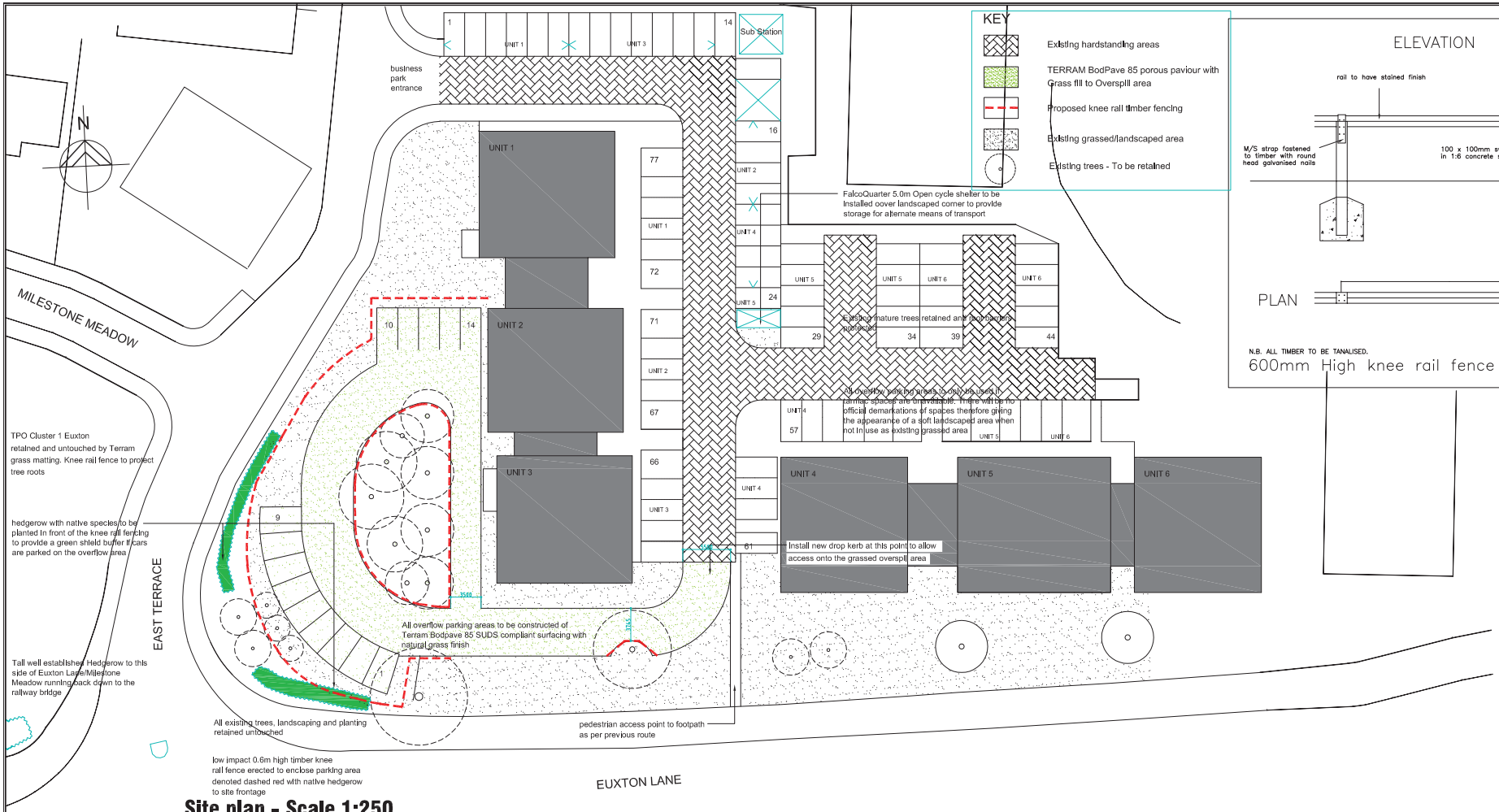
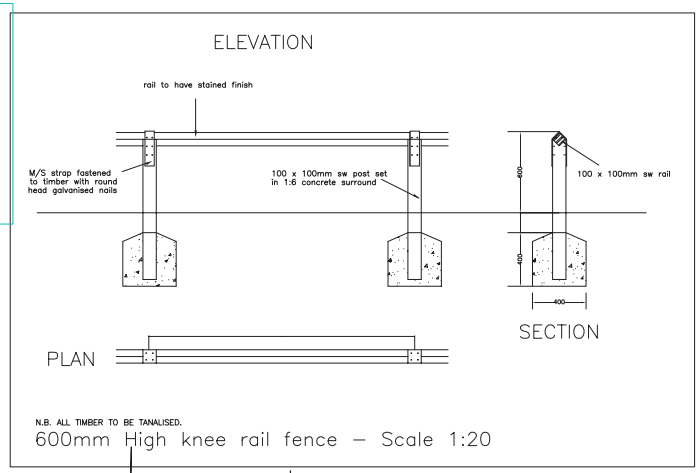
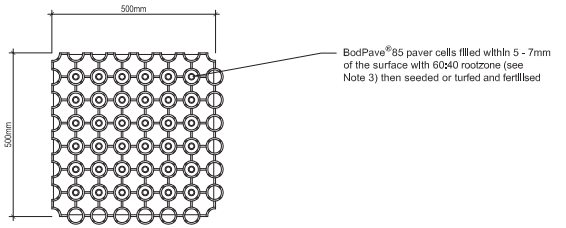
East Terrace Business Park, Euxton Lane

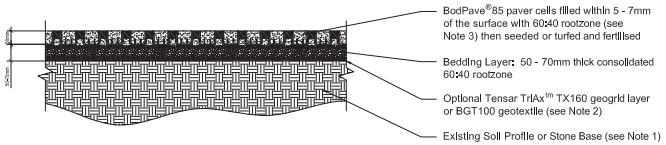


Site plan - Scale 1:250





① **BodPave®85 : 'Reduced Dig' - Grass Paving Grid**
Scale : : 1:10



② **BodPave®85 : 'Reduced Dig' - Grass : Typical Construction Profile**
Scale : : 1:10

Table 2 : Paving Grid Specification

Description	Data
Product	BodPave®85
Material	100% recycled polyethylene
Colour options	Black, Green & Natural
Paver dimensions	500mm x 500mm x 50mm + 35mm ground spike
Installed Paver size	500mm x 500mm (4 grids per 1m ^{2})
Nominal internal cell size	Castellated 67mm Plaque & 46mm Round Shaped
Structure Type	Rigid-walled, flexible semi-closed cell combination
Cell wall thickness	2.5mm - 4.4mm
Weight (Nominal)	1.5 kg/paver (6.24 kg/m ^{2})
Load bearing capacity (filled)	< 400 tonnes/m ^{2}*
Crush Resistance (unfilled)	< 250 tonnes *
Basal support & Anti-Shear	Integral 35mm long Cross & T section ground spikes (18 per paver)
Open cell %	Top 92% / Base 75%
Connection type	Overlapping Edge Loop & Cell connection
Interlock Mechanism	Integral self locking Snap-Fit Clips
Chemical resistance	Excellent
UV resistance	High
Toxicity	Non Toxic
Bedding Layer	60:40 rootzone: 50-70mm thick
Paver fill (seed bed)	60:40 rootzone: 43-45mm thick
Bedding Layer Reinforcement	Tensar TriAx™ TX160 geogrid (Table 1 & Notes 1-4 & 7)-Specification on request.

Chart 1: Field guidance for estimating sub-grade strengths

Consistency	Indicator			Strength	
	Tactile (feel)	Visual (observation)	Mechanical (test)	CBR	CU
			SPT	%	kN/sqm
Very Soft	Hand sample squeezes through fingers	Man standing will sink > 75mm	<2	<1	<25
Soft	Easily moulded by finger pressure	Man walking sinks 50 - 75mm	2-4	Around 1	25-40
Medium	Moulded by moderate finger pressure	Man walking sinks 25mm	4-8	1-2	40-75
Firm	Moulded by strong finger pressure	Utility truck ruts 10 - 25mm	8-15	2-4	40-75
Stiff	Cannot be moulded but can be indented by thumb	Loaded construction vehicle ruts by 25mm	15-30	4-8	75-150

This field guide is provided as an aid to assessing the mechanical stabilisation requirements in commonly encountered site conditions. Fibarweb Geosynthetics ltd accepts no responsibility for any loss or damage resulting from the use of this guide.

*Research carried out by Sheffield University UK Department of Mechanical Engineering. (Rennison/Allen March 2009)

Please note that the information above is given as a guide only. All stress and weights are nominal figures and may vary to what is published. Fibarweb Geosynthetics ltd cannot be liable for damage caused by incorrect installation of this product. Final determination of the suitability of any information or material for the use contemplated and the manner of its use is the sole responsibility of the user and the user must assume all risk and responsibility in connection therewith.

SITE SUITABILITY:

Note 1: Determination of requirement for placement of an imported sub-base for the application and the required thickness of that sub-base material shall be determined by the strength and condition of the existing soils, the extent of allowable excavation and in consideration of the proposed traffic loadings. Standard BodPave®85 Access Route design may apply. Certain ground conditions may require placement of a drainage system within the design.
Note 2: Specific site criteria will determine if Tensar TriAx™ TX160 geogrid &/or BGT100 Geotextile are required.
Note 3: Rootzone bedding and paver fill must be a free-draining, structurally sound properly blend of sand/soil or sand/compost such as used in sports/golf construction & normally identified as a 60:40 or 70:30 ratio blend. The use of site-won materials or in-situ self-blending is NOT recommended without taking further advice.
Note 4: Maximum advised gradient for traffic applications: 12% (1:8) 7°. BodPave®85 has specific pegging points if required for steep slope applications. Pegging is not necessary for standard access route applications.

Specific advice on the use of BodPave®85 on steep slopes, drainage suitability and Sustainable Urban Drainage Systems (SUDS) applications, can be obtained from Fibarweb Geosynthetics ltd.

DESIGN NOTES:

- Where existing ground conditions are firm (ie: CBR > 7%) and free draining or where a suitable hardcore/stone base already exists.
- Where traffic is irregular or occasional
- Where loads will not exceed that of cars and light vans

Rev C - Extent of vehicle parking areas further amended. 14th Oct 2013
Rev B - Extent of vehicle parking areas amended. Oct 2013

betterplan design
27 Wardle Court, Whittle le Woods
Chorley PR6 7DQ
Tel: 01257 220510
web: www.betterplan.co.uk
email: betterplan@btinternet.com

Project
East Terrace Business Park, Euxton Lane, Euxton Chorley PR7 6TB

Title
Proposed Overflow car parking facilities

Scale	Date	Ref	Drawn
Various @ A1	June 2013	417	MDB

Drg No	Rev
417/ETB/PL	C