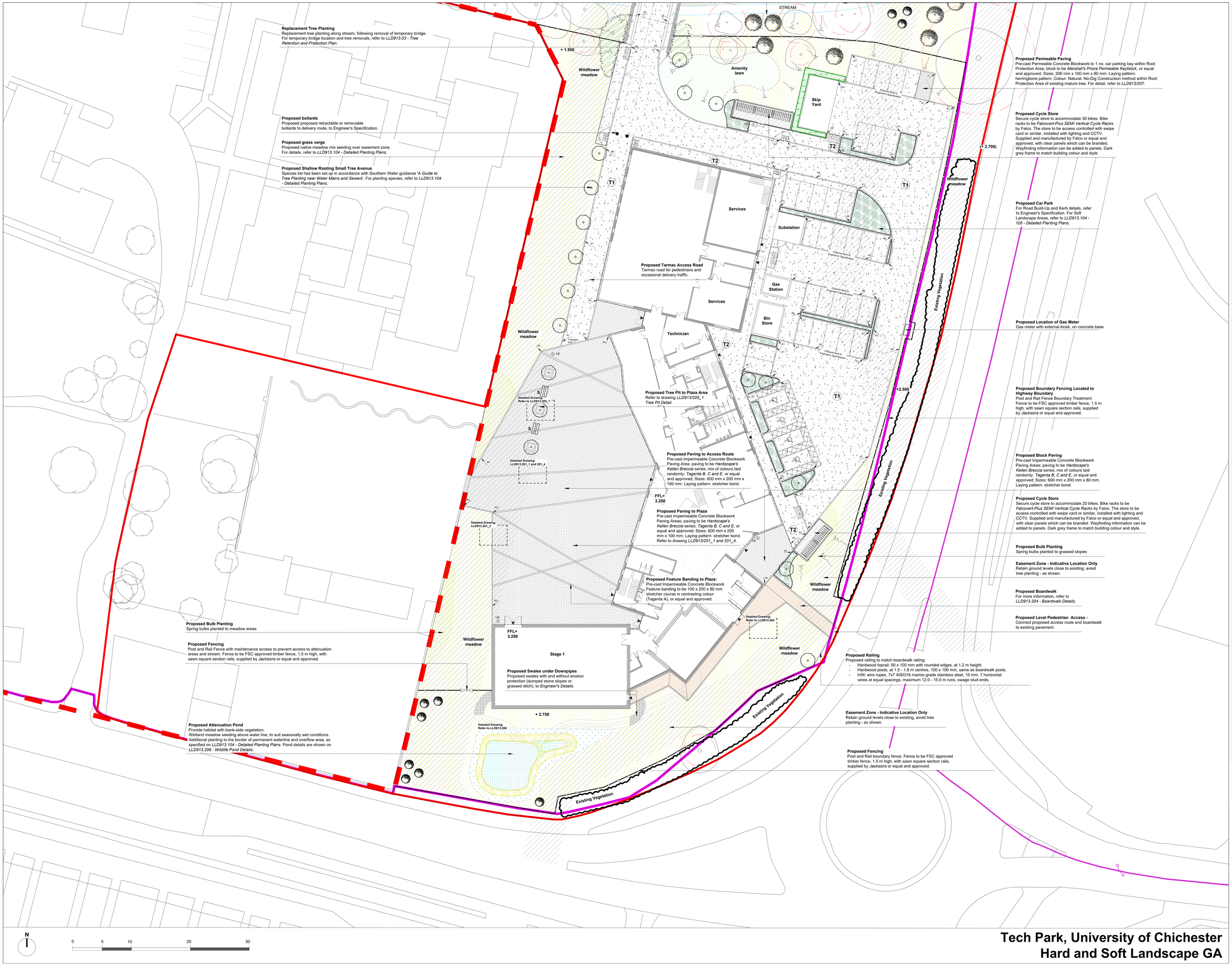

Tech Park, University of Chichester
Hard and Soft Landscape GA

Legend

Site Boundary

Highways Boundary
West Sussex County Council Highway (Felpham Way)

Conservation Area Boundary
Hotham Park Conservation Area, Arun District Council

Existing Mature Trees with Root Protection Area
Existing Mature Trees to be Retained and Protected on Site in accordance with *BS5837: 2012 - Trees in Relation to Construction - Recommendations' (Refer to Drawing LLD913.03 - Tree Protection & Retention Plan and Existing Tree Schedule).*

SOFT LANDSCAPE
(For Details, Refer to LLD913 / 104-105 Detailed Planting Plans.)

Proposed - Ornamental Tree Planting
Specimen tree planting (Extra Heavy Standard, min. 2.0 m Clear Stem, 14 - 16 cm Girth Size, 4.5 - 6.0 m height)

Proposed - Native Tree Planting
Proposed Native Trees *(Heavy Standard; 12 -14 cm Girth Size, 3.50 - 4.50 m height, or Multistem, 2.5-3.0 m height)*

Proposed - Native Shrub Planting
Proposed native shrubs - Feature shrubs. *(90 - 120 cm, Multibranched)*

Proposed - Native Hedgerow
Native Hedge line; double staggered rows set 400 mm apart at 400 mm centres. Transplant bare root stock, 60 - 80, 80 - 100 cm height.

Proposed - Shallow Rooting Shrubs
Planting to rising main easement zones, in accordance with *Southern Water guidance 'A Guide to Tree Planting near Water Mains and Sewers'*

Proposed - Ornamental Shrub Planting
Ornamental shrubs for seasonal and all year round interest, to the building frontage / car park area.

Proposed Flowering Lawn
Grass and Wildflower Seeded Areas, regularly cut during spring and autumn, to provide amenity space for students, employees and visitors. Reduce mowing during summer.

Proposed Native Wildflower / Grassland Habitat
Retain existing grassland where feasible. Bare ground to be seeded with suitable seed mix, including shade tolerant seed mix and wildflower meadow mix.

Proposed Bulb Planting
Proposed spring flowering bulb plants within grassland / meadow areas for seasonal interest.

Proposed Wetland Areas
Proposed Seed Mix sowing, suitable for expected seasonally wet conditions and to provide habitat.

Proposed Wildlife Pond
Proposed Permanent Water Level (Deep and Shallow Water to provide habitat), with native planting (pre-established coir pallet) to permanent water level.

HARD LANDSCAPE

Proposed - Tarmacadam Construction
(Refer to Civil Engineer's Layout and Details):
T1 - Vehicular Tarmacadam surface;
T2 - Pedestrian / Cycle route with tarmac surface

Proposed - Pre-cast Concrete Paving to Plaza Area, with Feature Banding
Pre-cast Impermeable Concrete Blockwork Paving Areas; paving to be *Hardscape's Kellen Breccia* series; mix of colours: *Tagenta B, C and E*, or equal and approved; Sizes: 600 mm x 200 mm x 100. Laying pattern: stretcher bond. Feature banding to be 100 x 200 x 80 mm stretcher course in contrasting colour (Tagenta A), or equal and approved.

Proposed - Permeable Block Paving
Pre-cast Permeable Concrete Blockwork to car parking bays; block to be *Marshall's Priora Permeable Keyblock*, or equal and approved; Sizes: 200 mm x 100 mm x 80 mm. Laying pattern: Laid in herringbone pattern, Colour: Natural with Charcoal marking blocks.

Proposed - Impermeable Block Paving
Pre-cast Non-permeable Concrete Blockwork to car parking bays over easement zone; block to be *Marshall's Keyblock*, or equal and approved; Sizes: 200 mm x 100 mm x 80 mm. Laying pattern: Laid in herringbone pattern, Colour: Natural with Charcoal marking blocks.

Proposed Raised Boardwalk
Proposed Raised Timber Boardwalk with railings. Boardwalk to be made with FSC approved timber decking: grooved hardwood deckplanks, with stainless steel wire cable balustrade system. Railing to be 1.1 m high with hardwood toprail: 150 mm wide with rounded edges.

Kerb Edges
- K1 - Pre-cast Concrete Highway Upstand Kerb
Pre-cast Concrete Highway Upstand Kerb Edging: *'Type HB'*; Dimensions: 125 x 255 x 915 mm; laid with 125 mm upstand in general and 100 mm upstand to parking bays.
- K2 - Pre-cast Concrete Highway Drop Kerb Edging
Pre-cast Concrete Highway Drop Kerb Edging, including dropper kerbs and bullnosed kerb *('Type BW')* with max. 6 mm upstand; 125 x 150 x 915 mm.
- K3 - Pre-cast Concrete Pin Kerb Edging
Pre-cast Concrete Pin Kerb Flat Top Edging; Dimensions; 50 x 150 x 915 mm; *'Type EF'*. Pin Kerb Edging laid flush with paving surface treatments.
- K4 - Pre-cast Concrete Flat Top Channel Kerb
Pre-Cast Concrete Flat Top Channel Kerb, laid flush with adjacent surface; Sizes: 150 x 150 x 914 mm:
- K5 - Pre-cast Concrete High Containment Kerb
Marshall's Titan Specialist Vehicle High Containment Kerb to culvert and bus stop. Dimensions: 400 x 1000 x 390 mm.
- K6 - Pencil Kerb Edge to Plaza Tree Pits
Kellen Pencil Edge Kerb O80 (HK) from Hardscape or equal and approved, 80 x 1000 x 200 mm, Colour: Standard Zwart, to contrast plaza paving.

Proposed - Timber Boundary Fencing
1500 mm Height Boundary Fence line - FSC approved Timber Post and Rail Fence

STREET FURNITURE LEGEND

S - Seating: *Furnitubes 'Elements' Narrow Bench, ELM NBH and ELM NBL* or equal and approved. High and low, two tier benches, 1850 mm length, medium timber slats, side to side, dark grey powder coated fascia boards and bench support.

LB - Litter Bin: *'Portman'* powder coated & timber litter bin or equal and approved by *Furnitubes*. 0515mm, 1100 mm high, PS 525 T PPC (Dark Grey powder coated, RAL 7016), bolted down.

Note:
- To be read in conjunction with Architect's and Engineer's Details and further Landscape Architectural Plans, as shown.
- Hard and Soft Landscape Setting Out to be coordinated with Architectural layout, services, and drainage design and layout;
- Sub-base design and below ground drainage design to Civil Engineer's layout and specification.
- All Planting Areas and Hedgerows to be to be minimum 300 mm depth subsoil overlain with a minimum 450 mm depth Multipurpose Topsoil. Grass Seeded Areas to be minimum of 300 mm subsoil overlain with minimum 150 mm depth Multipurpose Topsoil. Wildflower Areas to be minimum 300 mm Subsoil overlain with minimum 150 mm depth Low Fertility Topsoil.
- Topsoil to be tested and certified by *Soil Scientist* in accordance with *BS 3882 : 2015*, imported topsoil specification.
- All planting areas to be mulched with 75 mm of Ornamental Bark Mulch as specified.

For Construction

Rev	Description	Date	Initials
07	For Construction	10.04.17	SL
06	For Information	09.01.17	SL
05	Issued for Planning	22.09.16	SL
04	Issued for Comment	20.09.16	SL
03	Issued for Planning	08.09.16	SL

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Project title
Tech Park
University of Chichester, Bognor Regis

Drawing title
Hard and Soft Landscape
General Arrangement Plan Sheet 1 of 2

Scale	Drawn	Date
1:200@A0	SL	19.10.16
	Approved	

Drawing No	Revision
LLD913.101_1	07

CAD Filename