

Inset plan (see location plan)

SPECIFICATION NOTES

1. General.

This site is to be used in conjunction with the following documents:
- terra firma drawing 1950-1098 (London Space and Ecology Strategy, Landscape Management Plan, 1950-3000, 1950-3000, 1950-3000)
- Advertisement report 00994842 (Dorchester Hill Farm Feas Study (2/28/2011) and DPF3-1ATK-TP30-028-0-1071 (01/11/2014) by Akers
- Maintenance plan by RSL.

- Existing levels to be preserved around existing trees and vegetation. Existing levels to be preserved around existing trees and vegetation with BS5837: 2012 during construction.
- All work to be undertaken by competent persons, with appropriate training and equipment.
- All work to be carried out from site at contractor's expense unless noted otherwise. (e.g. woody debris removed from site).

3. Services.

The contractor must ascertain for themselves the exact location of underground services below connecting road.

4. Soil Materials Generally.

- Purly. Sols shall be free from roots, stones, rhizomes, propagules of perennial or invasive weeds, coarse grass, littered, cobbles, Japanese knotweed, giant hogweed and noninvasive/malevolent (Equilibrium aware).
- Topsoil to be used in conjunction with non-compact material and other building materials, wastes, shanks, hydrocarbons, and any other foreign matter that would be detrimental to the health of the soil.
- Contamination. Do not use topsoil, sand or compost contaminated with rubbish or other materials that are:
- Corrosive, explosive or flammable;
- Hazardous to human or animal life;
- Obstructive to healthy plant growth.
- Give notice. If any evidence or symptoms of soil contamination are discovered on the site, the topsoil, sand, silt or compost or other planting media to be used.

5. Soil testing.

Each soil sample (imported and siltstone subsoil and topsoil - see items 6.8 and 7.0 below) shall be analysed by the following:
- Environmental Science (Warrington, Essex OX10 0BA, Tel: 01491 822055, Email: info@soils.co.uk, www.soils.co.uk) (or equivalent approved).

IF AN ACIDIC SITE RATING SHOULD BE 4.5-5.5 AND ALKALINE 7.5-8.5.

6. Topsoil for general planting areas (sample of siltstone and/or imported subsoil to be sent for testing to check compliance with parameters below)

Provide subsoil as necessary to make or rectify any site. Natural or manufactured subsoil (from approved source) will be acceptable (within parameters given below). Subsoil to be tested to determine suitability for proposed use and should be free from commonly tested contaminants, including asbestos, test report to be submitted for approval and to enable an accessibility assessment to be made.

Subsoil parameters shall be carried out to achieve the required ground on areas where machine cultivation is impossible or adjacent to kerbs, manholes and footpaths.

Parameter	Unit	Lower Limit	Upper Limit
Site Class (0.0/0.0/0.0m)		0	35
Sat (0.0/0.0/0.0m)		0	35
Of which at least 40% shall fall into the following categories:		50	100
Stones (>50mm)	NZ/W	0	50
Stones (>100mm)	NZ/W	0	50
pH value		6.5	8.5
Electrical Conductivity (1:2.5 water extract)	µS/cm	0	1500
Electrical Conductivity (CaCl2 extract)	µS/cm	0	2800
Organic Matter	%	4.0	8.0
Extraction Potential	mg/kg	240	1200
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Extraction Potential	mg/kg	240	1200

IF AN ACIDIC SITE RATING SHOULD BE 4.5-5.5 AND ALKALINE 7.5-8.5.

7. Topsoil for tree pits (sample of siltstone and/or imported subsoil to be sent for testing to check compliance with parameters below)

Provide subsoil as necessary to make or rectify any site. Natural or manufactured subsoil (from approved source) will be acceptable (within parameters given below). Subsoil to be tested to determine suitability for proposed use, test report to be submitted for approval and to enable an accessibility assessment to be made.

Subsoil parameters shall be carried out to achieve the required ground on areas where machine cultivation is impossible or adjacent to kerbs, manholes and footpaths.

Parameter	Unit	Lower Limit	Upper Limit
Site Class (0.0/0.0/0.0m)		0	35
Sat (0.0/0.0/0.0m)		0	35
Of which at least 40% shall fall into the following categories:		50	100
Stones (>50mm)	NZ/W	0	50
Stones (>100mm)	NZ/W	0	50
pH value		6.5	8.5
Electrical Conductivity (1:2.5 water extract)	µS/cm	0	1500
Electrical Conductivity (CaCl2 extract)	µS/cm	0	2800
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Of which at least 40% shall fall into the following categories:	50	100
Stones (>50mm)	NZ/W	0
Stones (>100mm)	NZ/W	0
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Electrical Conductivity (1:2.5 water extract)	µS/cm	1500
Electrical Conductivity (CaCl2 extract)	µS/cm	2800
Organic Matter	%	4.0
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IF AN ACIDIC SITE RATING SHOULD BE 4.5-5.5 AND ALKALINE 7.5-8.5.

8. Topsoil for general landscapes (sample of siltstone and/or imported topsoil to be sent for testing to check compliance with parameters below and to inform an accessibility assessment. See 1.6 below)

Entire topsoil to be stripped and used, provided soil with parameters given below when applied. Imported topsoil to be of good quality sandy loam or manufactured topsoil from approved source, meeting parameters given below. Topsoil (siltstone or imported) to be tested to determine suitability for proposed use and should be free from commonly tested contaminants, including asbestos, test report to be submitted to Landscapes Architect for approval and to enable an accessibility assessment to be made.

Parameter

Unit	Lower Limit	Upper Limit
Site Class (0.0/0.0/0.0m)	0	35
Sat (0.0/0.0/0.0m)	0	35
Of which at least 40% shall fall into the following categories:	50	100
Stones (>50mm)	NZ/W	0
Stones (>100mm)	NZ/W	0
pH value		6.5
Electrical Conductivity (1:2.5 water extract)	µS/cm	1500
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IF AN ACIDIC SITE RATING SHOULD BE 4.5-5.5 AND ALKALINE 7.5-8.5.

9. Ameliorant: fertilizer and compost (should be 4.5-5.5 and ALKALINE 7.5-8.5, sample of imported siltstone-topsoil to inform requirements).

Topsoil (siltstone or imported) to be tested to determine suitability for proposed use and should be free from commonly tested contaminants, including asbestos, test report to be submitted for approval and to enable an accessibility assessment to be made.

Subsoil parameters shall be carried out to achieve the required ground on areas where machine cultivation is impossible or adjacent to kerbs, manholes and footpaths.

Parameter	Unit	Lower Limit	Upper Limit
Topsoil (siltstone or imported) to be tested to determine suitability for proposed use and should be free from commonly tested contaminants, including asbestos, test report to be submitted for approval and to enable an accessibility assessment to be made.			
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10. Topsoil handling and disposal.

1. Topsoil and subsoil to be handled i.e. excavated and/or imported, stored, spread, cultivated) in accordance with the following guidelines by Landscapes Architect and approved work contractors. All topsoil and subsoil areas shall be thoroughly cultivated until the soil is suitable throughout to the full depth of the topsoil layer, incorporating any amendments required. If compaction is suspected in any subsoil, stored or topsoil surface, the subsoil should be ripped as necessary to decompress and ensure adequate drainage.

Final cultivated shall be carried out to achieve the required ground on areas where machine cultivation is impossible or adjacent to kerbs, manholes and footpaths.

2. Topsoil and subsoil to be stored in a secure location, stored and surface should have any necessary erosion breaks within 25 mm shall be collected and removed from the site.

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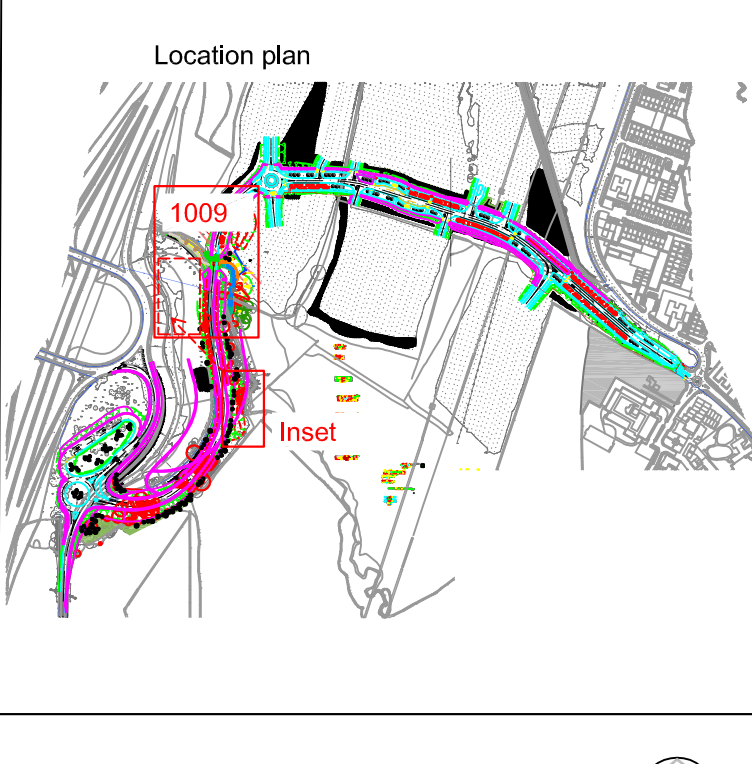
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KEY

Existing trees
Refer to arboricultural survey 5059849 Dunsbury Hill Farm Tree Survey (23.8.2011) and DHF3-LATC-Tripcode-054-01101 (20.1.2014) by Atkins

	Existing tree retained
	Existing tree cover retained
	Existing tree removed
Proposed planting	
	Mixed native hedge
	Clipped beech hedge
	Formal tree planting
	Informal tree planting
	Woodland planting
	Woodland edge
	Woodland edge clipped
	Mown amenity grass
	Grassland - Species-rich long meadow mix
	Cumps of herbaceous planting within swales
	Timber steps set into slope for maintenance access
	Self-binding gravel access path - minimum 1500mm width
	Proposed pond
	Wire/ mesh to support timber planting for dormouse underpass
	Waterside planting mix A
	Waterside planting mix B
	Waterside and swale meadow seed mix (Ermorgate EMA) referred to as Waterside mix C on PB 30142_4001
	Hydroseed over Flex MSE vegetated geomodular wall system (or similar approved)
	Native shrub or climber planting
	Gabions
	400mm diameter rock roll with planting behind
	400mm diameter coir fibre roll with planting behind
	400mm diameter rock roll with gravel behind (under bridge)
	Rip-rap riffles to engineer's detail
	Pool downstream of riffles
	MacMat® scour protection (or similar approved) erosion control to planted bank
	Rock ramp for hydroseed wall

- NOTES:
1. Refer to P&A drawings X-PB2348-PD-07 D1 APRIL ROAD ALIGNMENT AND PB2348-P12 D1
2. Refer to terra firma drawings 1569-1000 for plant schedule for rest of road
3. Options for vegetation establishment on FlexMSC
 - 1) Pre-seeded FlexMSC – for bags installed below the Q95 river level to 400mm above Q95 – use mix
 - a) Use EPI – Pond Edge Eucalyptus Induced in the FlexMSC at a rate of 20g per m² of bag fill (5 times normal application)
 - b) Bag fill recommended mix:
 - i) 70% clean sand/granular material
 - ii) And 30% organic material by volume.
 - 2) Hydroseeded FlexMSC – from 400m above Q95 to top of treatment
 - a) Use Eromoragie mix EG22 – Weir Tolerant Turfgrass mix with similar application applied at effective rate of 25 grams/m² using hydroseeded technology.
 - b) Bag fill recommended mix:
 - i) 70% clean sand/granular material
 - ii) 30% organic material by volume.
 - 3) Application of hydroseeded material
 - a) Apply hydroseeded material to face of FlexMSC such that complete coverage of all contours is achieved.
 - b) Mulch type must be consistent with the application's slope.
 - 4) Provision for irrigation will be required during early establishment



	1	1:10 = 15'	AG	Rev	AG	Revisions to accommodate planning and foregoes following new layout and easements. (none)				
1	Rev	05/07	by	OK	Drawn from this drawing. Please dimensions only to be taken from this drawing. All dimensions to be checked on site. The original layout of this drawing was produced by cellular monochrome output and should not be relied upon to accurately reflect all drawing elements.					
drawing notes										
purpose of scheme										
PLANNING										
drawing title										
Dunsbury Hill Farm										
project description										
Hermitage Stream Improvements and USDS (based on PBA dwg 30142_4001_100_106)										
drawing no.										
scale	1:200	@	AG	date	22.5.15	drawn by	KB	checked by	AG	Rev 1
terrafirma										
Address: Colson, 2 Colson Street Fax: +357 22 202 260 Web: www.terrafirmacyprus.com										