Sketch Proposals based upon Munro Drawing reference:
External Works Ref 224:125. Rev L

GARDEN STORAGE SHED:
Supply and install a Metal Storage Buildings to provide storage for grounds
maintenance equipment to meet the following criteria.
Dimension: 3657mm x 6096mm approx.
Cladding: Hot Dipped-galvanised steel - Emerald Green Vertical Walls and white trimmings. Framing: Hot dipped galvanised steel. Internal Height: Lower Wall Height 2100mm. Ridge Height 2585mm.
Main Doors: Green Metal 'Roll up and over' sliding doors are set on apex 2520mm wide x 2050mm high. Lockable.
Side Door: Green Metal personal door 690mm wide x 2010mm high. Padlockable. Ventilation: Ventilated Gables. Roof: Hot dipped galvanised steel. Roof Beams: Hot dipped galvanised steel.
Guarantee: 15 year 'No-Rust-Perforation' guarantee

GARDEN STORAGE SHED BASE:
3657mm x 6096mm approx 150mm concrete base with 1 layer of A142 mesh with a trowel finish, laid with a minimum cross fall on 1200 gauge Visqueen d.p.m on sand blinding on hardcore sub-base to S.E Design to be formed for Storage Shed where indicated on drawings. Concrete hard standing to have slip resistant level surface.

BOLLARDS:
12 No. low level bollards to be provided adjacent to Main Entrance and Service Yard areas (where indicated on External Works drawing 244.125 Rev E) to comply with BREEAM requirements for designing for robustness.

SEATING:
All seating to be supplied by Broxap.
Broxap Deeside benches BX2050 BP Cast iron frame in RAL 9005 Black or RAL6005 Green with Iroko slats.

SMOKING SHELTERS:
Broxap Harrowby Smoking shelter BXMW/HAR Length: 3135mm Width: 1540mm to fit up to 6 people.

Maintenance Strip where indicated:
To be 100mm single size limestone with 450x450mm Buff Mona paving slabs.







Tree Protection

All trees and hedgerows identified for retention within the Arboricultural assessment for the site provided separately will be protected by Free Standing Heras fencing and labelled as protected areas with no access.

Trees identified for retention will be protected to the stipulated extents in accordance with BS5837:2012 Trees in relation to design, demolition and construction and signed as indicated below.

TREE PROTECTION ZONE

NO ACCESS

NO DIGGING OR TRENCHING
NO STORAGE OF PLANT OR MATERIALS
NO VEHICULAR ACCESS
NO FIRELIGHTING
NO CHEMICAL HANDLING

AVOID PLANT CONTACT WITH TREE CANOPY AND TRUNK

REPORT ANY DAMAGE TO TREES OR FENCING IMMEDIATELY TO SITE AGENT ……

	Species	Size	Form	Pot Size	Density	Notes
	Specimen trees					
Buj	Betula utilis jaquemontii	1.8-2.4m	Std	C.grown	min 90L	
Mjd	Malus John Downie	1.8-2.4m	Std	C.grown	min 90L	
Ms	Magnolia stellata	1.8-2.4m	Fthrd	C.grown	min 90L	
Pa	Prunus avium	1.8-2.4m	Std	C.grown	min 90L	
Sa JR	Sorbus aria Joseph Rock	1.8-2.4m	Std	C.grown	min 90L	
Sarl.	Sorbus aria Lutchesens	1.8-2.4m	Std	C.grown	min 90L	
Fs	Fagus Sylvatica	1.8 -2.4m	Std	12 ltr	min 90L	
	Shrubs/perennials					
	Alchemilla mollis	300-450mm	Ctr	2Ltr	5/m or as shown	
	Aucuba japonica 'Crontofolia'	600-900mm	Ctr	5Ltr	as shown	
	Bergenia cordifolia Purpurea	450-600mm	Ctr	2Ltr	4/m²	
	Brachyglottis 'sunshine'	450-600mm	Ctr	3Ltr	3/m²	
	Carex oshimensis Evergold	450-600mm	Ctr	10Ltr	as shown	
	Cornus alba Elegantissima	450-600mm	Ctr	3ltr	2.5/m²	
	Euonymus fortunei Emerald n Gold	300-450mm	Ctr	2ltr	3/m²	
	Hedera helix Hibernica	300-450mm	Ctr	1Ltr	8/m²	
	Hebe albican	300-450mm	Ctr	2Ltr	4/m²	
	Hebe Mrs Winder	450-600mm	Ctr	3ltr	4/m²	
	Ilex altaclarensis Golden King	600-900mm	Ctr	10Ltr	as shown	
	Lavandula angustifolia Hidcote	250-300mm	Ctr	2Ltr	6/m²	
	Lonicera nitida Silver Beauty	300-450mm	Ctr	2Ltr	4/m²	
	Lonicera pileata	450-600mm	Ctr	2Ltr	3/m²	
	Miscanthus sinensis	300-450mm	Ctr	1Ltr	6/m²	
	Pachysandra terminalis Silver beauty	300-450mm	Ctr	2Ltr	5/m²	
	Pachysandra terminalis Green Carpet	300-450mm	Ctr	2Ltr	5/m²	
	Prunus Otto Luyken	450-600mm	Ctr	2Ltr	4/m²	
	Spiraea Gold Flame	300-450mm	Ctr	2ltr	4/m²	
	Spirea Firelight	300-450mm	Ctr	2ltr	4/m²	
	Hedges					
	Hawthorn entrance hedge					
	Crataegus monogyna planted at 450mm centres 300mm apart with spiral tree guards fitted with canes	450-600mm	Br	35no.total	5/lin metre	double row staggered
	Bulb beds and Planting within beds					
	scattered as listed					
	Narcissus obvallaris	8-12cm	150no.			

Key

- Proposed building footprint
- Site boundary
- Proposed standard trees (species as indicated)
- Proposed shrub planting
- Proposed specimen shrub
- Proposed maintenance strip

NOTES:
1. All plant sizes and species as specified below.
2. Maintenance of soft landscaping to be minimum period of 3 years from handover.
3. For details of species rich wildflower seeding and grass species refer to schedule below.
4. All hard landscape paving materials and colours to be agreed.
5. Gravel to residents garden to be min 100mm depth laid on Terram 2000 and retained with timber or paved edging.
6. The exact location of all service runs/ locations to be identified prior to commencement of planting.
7. All soft landscape areas to receive the following min.topsoil depths: Wildflower seeded areas = 150mm subsoil, grass seeded areas 150mm topsoil, planted areas 300mm topsoil.
8. Raised planters to be constructed of Timber sleepers and filled with topsoil and one third well incorporated proprietary compost..

Soft landscape proposals and context.

Planting proposals shown have been developed following an inspection of the site and landscape context of the area in order to achieve landscape integration of the proposed development and for amenity of residents, staff and adjacent existing properties.

The ornamental species proposed are to replicate species which are either present in adjacent areas or which will tolerate the overlying site conditions. Species are proposed which assist in wider biodiversity objectives (such as the Wildlife Trust Gardens, allotments, parks and gardens, and open spaces initiative) have been selected to encourage wildlife and increase overall biodiversity potential by providing wildlife cover, food provision such as nectar producing flowers berries etc and habitat potential but which are non toxic should they be ingested .

Many of the species already occur within the immediate site area and hedging mixes etc have been devised to reflect the existing boundary hedge as well as the microclimate and anticipated post disturbance ground conditions.

Spacing's and sizes are the minimum to effectively achieve a good take rate and presence as soon as possible whilst not compromising long term establishment form

PLANTING

Planting Works

Native bare rooted and container grown planting to be implemented between December and February when species are dormant and planted in accordance with BS 4428:1989 Code of practice for general landscape operations (excluding hard surfaces)

Ornamental Container grown species to be planted when risk of frost has passed (preferably after mid March -seasonally dependant) using plants which have been hardened off.

All planting is to be either pit planted into existing ground, or into areas prepared for ornamental mass planting; and maintained to promote healthy and vigorous growth, to include staking where required, formative pruning, weed control, pest and disease control and fertiliser application.

Pit planting - specimen trees to be into prepared 900x900x900mm pits with added slow release fertiliser and rooting medium, and large stock to be staked as necessary.

Native hedging - Hawthorn hedge to be planted into a prepared 300mm deep 450mm wide trench with100mm rooting medium and slow release fertiliser at manufacturers recommended rates well incorporated prior to planting. Shrubs to be planted at 450mm spacing in a double staggered row 300mm apart. Shrubs to be cut back to 450mm before planting, and spiral guards fitted with canes to prevent wind rock.

All **Ornamental and native shrub planting** areas to be prepared as ornamental planting beds, and maintained to ensure healthy establishment. Ornamental planting areas to comprise prepared beds containing 100mm added well incorporated organic matter/growing medium and slow release fertiliser at manufacturers recommended rates planted at an even spacing within the designated plant area.

Larger specimen trees and shrubs will be staked on their windward side, and where necessary rabbit protection in the form of rabbit guards and tree shelters will be provided to newly planted trees and shrubs.

All shrub planted areas will receive min. 50mm coarse grade Bark Mulch on completion of planting and this will be maintained long term to add maintenance and appearance.

Seeded areas - Grass and wildflower seeded areas will comprise both species rich seeding for nectar producing species and invertebrate interest, and amenity grassland species to provide net biodiversity gain.

Implementation programme

The majority of bare rooted planting is to be commenced in the first available full planting season after completion of construction works, although a phased planting of containerised stock particularly of ornamental species will be considered where a phased programme is advocated for amenity reasons and this will be seasonally dependant.

Maintenance and Long term Management

All planting will be maintained from completion of planting works for a minimum period of 3 years to establish healthy growth and amenity value and to replace any plant failures. Long term management will be undertaken to maintain tidy, attractive and safe grounds.

Issue	Drawn	Checked	Approved	Date

ANWYL CONSTRUCTION

Project Title

Chirk Court
External Works

Drawing Title

Landscape Proposals

Drawing Number C14117 / L / 100

Size	Scale	Issue
A1	1:250	5