FORMER ANZIO CAMP

ADVANCED PLANTING WORKS

LANDSCAPE MANAGEMENT PLAN

August 2018

LS6155/APLMP/01-

Landscape Matters Design LLP
Glendale
Sandhills Green
Alvechurch
Birmingham
B48 7BT
T : 0121 4455992
E : da@landscape-matters.co.uk

Contents

1. Introduction

2. Design & Management Objectives

3. Roles & Responsibilities

4. Health & Safety

Maintenance Schedules:

5. General items

6. Soft landscape procedures

Prepared: da
Checked: da

1. Introduction

This report has been commissioned by Enhanced Developments Ltd. The report provides guidance for the operations relating to the maintenance of this first phase of landscape works associated with the proposed development at the Former Anzio Camp site, near Leek , Staffordshire.

The purpose of this Management Plan is to aid the efficient and effective management of the Advanced Planting landscape works for the first 5 years prior to the phased completion of initial construction works. It is to be read in conjunction with the approved soft landscape drawings (LS6155P/L/104D, 105B, 106C, and 107D) and it fulfils, in part, the East Staffordshire Moorlands District Council's planning condition for a Landscape Management Plan (Condition 16), which states:-

'*Prior to the commencement of any phase of the approved development .....a Landscape and Habitat Management and Maintenance plan shall be submitted to and approved by the Local Planning Authority, giving details of proposed creation, maintenance, management and development, including timescales and delivery mechanisms, for all landscaped areas and wildlife habitats across the site. This shall include full and accurate locations of existing and any proposed new habitats; technical specifications, timescales and phasing for the creation of any new habitats; 5 year establishment and aftercare management prescriptions for any newly created habitats; and minimum 20 year maintenance and management operations for all habitats throughout the site to be monitored and reviewed every 5 years.....it shall be fully implemented in accordance with the details and timescales so approved'.*

Given the limited extent of the proposed Advanced Planting Works, in that it will entail the establishment of just 33 Standard or Select Standard trees,1140m2 of woodland planting, and 29 linear metres of native hedgerow, the habitat aspects have been included within this document. It is intended however that future, much more extensive, phases will require the production of linked but separate Habitat and Landscape Management reports.

This management plan relates to the Advanced Planting works which are programmed to be implemented during November and December 2018, when bare-root planting stock first becomes available. Currently it is not known when the construction of the first phase of the Care Village is to be commenced.

General Notes relating to the content of this report:-
The appointed contractor will be awarded the contract for the works based on the contents of the Landscape Specification and Bills of Quantity (LS6155/SP01B). The specified materials and techniques will be implemented and adopted by the contractor unless 'similar approved' elements are presented and considered acceptable. The Council will be consulted if these are deemed to be potentially significant.

2. Design and Management Objectives

This Landscape Management Plan aims to schedule the maintenance activities required to ensure successful establishment and long term success of the Advanced Planting works proposed at the Former Anzio Camp site.

Area Type	Objectives	Aims
Proposed trees	To ensure the successful establishment of new standard and select standard trees.	• Establish tree canopy and a healthy root system quickly. • Control competition from weeds. • Provide conditions that will ensure survival of trees. • Provide visual variety and wildlife benefits.
Native woodland tree and shrub planting	To establish and maintain healthy blocks of woody plants with a variety of heights, densities and wildlife benefits whilst providing additional screening and ecological enhancement near the site boundaries.	• Establish plant cover quickly. • Control competition from weeds. • Provide conditions that will ensure survival, persistence, and spread of plants. • Provide visual variety and wildlife benefits.
Proposed hedgerow planting	To ensure the establishment of new dense hedgerows to either side of the proposed main entrance to the development.	• Establish plant cover quickly. • Control competition from weeds. • Provide conditions that will ensure survival, and the dense development of hedgerow foliage. • Provide visual variety and wildlife benefits. • Provide valuable low level screening.

3. Roles and responsibilities

Responsibility for the implementation of this Landscape Management Plan shall lie with the client - Enhanced Developments Ltd. For the purposes of this report it is assumed that for the first three years the appointed landscape contractor will be responsible for the delivery of the maintenance and management works with regards the Advanced Planting elements. It has not yet been decided who precisely will then take over this on-going works in Years 4 and 5 (the appointed contractor may have their contract extended, or a.n.other grounds maintenance contractor may be employed in their place) but the client will ensure that the Advanced Planting will be satisfactorily maintained both for the duration and the longer term.

The client has appointed Landscape Matters Design to monitor the landscape contractor's work for the coming three years. Their responsibilities will include:-

- To ensure that the landscape contractor adheres to the relevant provisions for general landscape and site maintenance made within this document as well as comply with the specification, bills of quantity, and approved soft landscape drawings.

- When relevant to ensure that all contractors working within the grounds of the development site in close proximity to the advanced planting works are aware of the Landscape Management Plan and that all work is carried out in strict accordance with it.

- To ensure health and safety procedures are followed at all times in accordance with method statements to be submitted by the landscape contractor to and approved by the client prior to any work on site. In order to do this it will also be necessary for the contractor to undertake risk assessments for all proposed works. Which will be reviewed by Landscape Matters Design.

- Should establishment or maintenance works need to be altered / added to / omitted due to unforeseen circumstances e.g. due to disease / dying plants; drought; flooding; erosion or the like then Landscape Matters Design will determine in consultation with the client and the landscape contractor what is the best course of action in order to ensure that the advanced planting works do mature satisfactorily.

4. Health & safety

Certain maintenance operations involve the use of chemicals and/or potentially dangerous ground maintenance equipment. Therefore it is important that any safety warnings issued by the chemical or machinery suppliers should be carefully read and strictly adhered to at all times.

In general the following precautions should be taken:

- Prior to maintenance works being undertaken a site specific risk assessment is to be carried out.
- Prior to any chemicals being used a COSHH assessment is to be undertaken.
- When using chemicals, protective clothing such as gloves, goggles, boots, and overalls should be worn.
- Adequate ventilation is required when using chemicals in confined spaces.
- When using flammable materials e.g. herbicides or other sources of ignition they should be carefully controlled.
- Any clothing that is contaminated with chemicals should be disposed of safely.
- When using any chemicals, care must be taken not to damage, contaminate or stain any adjoining materials, landscaping or finishes.
- Care must be taken to protect personnel operating in the area being maintained from any injury or hazard created by the operation. The appropriate First Aid must be available on-site.
- Any machinery or plant that is used shall be operated strictly in accordance with the manufacturer's instructions / recommendations and in such a way that is safe both for the operative and for any personnel / equipment in the immediate vicinity. The contractor shall ensure that all plant and machinery are properly maintained prior to, during, and after their use. The contractor shall also ensure that their plant, machinery, or materials that they bring on site are used solely for the advanced planting works and do not result in damage or harm to surrounding areas both on and off-site.

5. Maintenance Schedules : General Items

Item Ref	Item	Relevant areas / type	Operation	Timing	Frequency	Notes
5.1	Litter	Advanced Planting works area only	Planting beds, grass areas and branches should be checked on each maintenance visit for plastic bags and other litter; be collected; and removed off-site for recycling / safe disposal.	Throughout the growing season	Each of the specified maintenance visits	
5.2	Fly-tipping	Advanced Planting works area only	Check the site for fly tipping and depending on size of items bag and remove or if directed arrange for removal to skip	All year round	As soon as the client / contractor becomes aware of such an incident	Target must be removed within 24 hours unless other-wise agreed
5.3	Weeding	Advanced Planting works area only	Glyphosate spray and/or hand weed the planting as per the specification	Throughout the growing season	Each of the specified maintenance visits	
5.4	Disposal of mainte-nance products	Advanced Planting works area only	As per the manufacturer's recommendations; if possible rinse and recycle	As necessary	As necessary	
5.5	Disposal of tree stakes, ties, rabbit guards, rabbit-proof fencing, canes, & tree shelters	Advanced Planting works area only	As per the specification or as directed by the Contract Administrator, the contractor shall collect and then reuse / recycle / dispose of to tip	Year 3	On the first or final maintenance visit as per the specifica-tion / as directed.	Reuse and then recycling will be considered the first and second priority respectively where practical

6. Maintenance Schedules : Soft Landscaping

Item Ref	Item	Relevant areas / type	Operation	Timing	Frequency	Notes
6.1	Standard and Select Standard trees	Advanced Planting works - see Drwgs PL105B, 106C, & 107D	Years 1, 2, & 3 :- -Cut back broken/diseased branches -Check for general health -Hand weed (& spot spray if necessary); check bark mulch Year 3 :- -Remove tree ties, stakes, & rabbit guards Years 4 & 5 :- -Cut back broken/diseased branches -Check for general health	Throughout the growing season	Years 1 & 2 - 4x/yr; Year 3 - 3x /yr Year 4 - 2x /yr Year 5 - 1x /yr	
6.2	Woodland planting	Advanced Planting works area only - see Drwgs PL106C & 107D	Years 1, 2, & 3 :- -Cut back broken/diseased branches -Check for general health -Spot spray weed growth Year 3 :- -Remove rabbit guards (if out-grown) & tree shelters Years 4 & 5 :- -Cut back broken/diseased branches -Check for general health	Throughout the growing season	Years 1 & 2 - 4x/yr; Year 3 - 3x /yr Year 4 - 2x /yr Year 5 - 1x /yr	

6. Maintenance Schedules : Soft Landscaping

Item Ref	Item	Relevant areas / type	Operation	Timing	Frequency	Notes
6.3	Hedgerow planting	Advanced Planting works - see Drwg PL 107D	Years 1, 2, & 3 :- -Cut back broken/diseased branches -Check for general health -Hand weed (& spot spray if necessary); check bark mulch Year 3 :- -Remove rabbit-proof fencing (provisional) Years 4 & 5 :- -Cut back broken/diseased branches -Check for general health	Throughout the growing season	Years 1 & 2 - 4x/yr; Year 3 - 3x /yr Year 4 - 2x /yr Year 5 - 1x /yr	
6.4	Watering	Advanced Planting works only	Water the full depth of topsoil after planting and thereafter as instructed by the contract administrator.	All year round	As necessary	Carry out weekly inspections to determine whether watering should take place and well before it is critical.
6.5	Tree stakes & Ties	Standard and select standards	Replace broken or decayed stake to original specification. Check tie and if necessary retie tree firmly but not tightly. Ties: Adjust, refit or replace loose or defective ties, allowing for growth and to prevent chafing. - Where chafing has occurred, reposition or replace ties to prevent further chafing.	All year round	Annually and immediately after strong wind.	

6. Maintenance Schedules : Soft Landscaping

Item Ref	Item	Relevant areas / type	Operation	Timing	Frequency	Notes
6.5 cont.	Tree stakes & ties	Standard and select standards	Removal of stakes & ties: During spring when no longer required to support the tree. Fill stake hole with lightly compacted soil.			
6.6	Removal of dead plant material	Advanced Planting works only	At the end of the growing season, check all trees and shrubs and remove all dead foliage, dead wood, and broken or damaged branches and stems.	November	Annually or as required	
6.7	Plant replacements	All Advanced Planting trees, shrubs, & hedgerows	For a period of 5 years from planting, any plants removed, uprooted, destroyed or damaged to be replaced with same size, species and maturity as that originally planted unless the Local Planning Authority gives written consent to variation. Use pits and plants to original specification or to match the size of the adjacent or nearby plants of the same species, whichever is greater.	November - March	As necessary	
6.8	Mulching	Advanced planting trees and hedgerows	Top up or renew mulch to a depth of at least 75mm	Growing season	Include as part of specified maintenance visit	If the mulch layer is satisfactorily maintained then there should be minimal demand for weeding / spot spraying

6. Maintenance Schedules : Soft Landscaping

Item Ref	Item	Relevant areas / type	Operation	Timing	Frequency	Notes
6.9	Hedge trimming	Main entrance hedgerows—see Drwg PL107D	Trim hedge to maintain neat and tidy form at a height of 1.5m with mechanical hedge cutter; straight sides & flat top	Autumn	Years 4 & 5	Collect arisings and remove off-site for composting / re-cycling
6.10	Snow removal from planting	Advanced Planting works only	Remove snow as recom-mended by BS 7370-4, clause 3.5.15 when necessary to pre-vent damage under weight of snow.		As necessary	

General Guidance Notes:-

Annual Tree Inspections: it is recommended that tree inspections should be carried out annually by competent personnel, trained in arboriculture. A written report should be submitted subsequent to the inspection and contain recommendations for any further work. The action taken as a result of the recommendations should also be recorded.

Pruning generally: to be carried out in accordance with good horticultural and arboricultural practice.

Tree work standards: to BS 3998 and Forestry & Arboriculture Training and Safety Council Safety Guides.

Protection: Avoid damage to neighbouring trees, plants and property.

Removing branches: Do not damage or tear the stem.

Wounds: Keep as small as possible and cut cleanly back to sound wood.

Cutting: Make cuts above and sloping away from an outward facing healthy bud, angled so that water will not collect on cut area.

Larger branches: prune neither flush nor leaving a stub, but using a branch bark ridge or branch collar as a pruning guide.

Tools: use clean sharp secateurs, hand saws or other approved tools. Trim off ragged edges of bark or wood with a sharp knife.

Disease or fungus: give notice if detected.