



NOTES:

Refer to ASL detail drawings D(90) series, Harley Haddow drawings, and NBS specification for further information on kerbs, surfacing etc.

Topsoil and excavations
 Site won soil to be retained, carefully stored as specified and re-used.
 All other site won material to be retained on site as far as practical. Contractor to advise on volumes of site won materials once, site clearance has commenced.

Vegetation protection and removal
 Contractor to clearly mark out/ set out extent of works and car park alignments for review by Design Team/ CA and Ecological Clerk of Works prior to commencement of site clearance.
 On the basis of the above note, the exact extent of vegetation and any woodland to be removed to be marked out and agreed on site prior to clearance. Setting out of some items/ paths may require some adjustment. Contractor to allow for this within programme of works and give sufficient notice.

Extent of areas to be thinned to be agreed on site. Trees and vegetation to be pruned are generally as noted but require to be agreed on site.

All remaining vegetation to be retained and in particular trees are to be protected in accordance with the specification and BS 5837:2012. Tree protection plans to be submitted prior to works commencing for agreement.

Protection of Ecology
 Several trees on or adjacent to the site have been identified as having features suitable for roosting bats. Allowance should be made by the contractor to have the trees surveyed by appropriate specialist (ecological clerk of works) prior to commencement of any tree works. The works and programme should accommodate this.

As there are water courses on or adjacent to the site, the contractor is required to take measures to protect these from contamination of suspended solids, spillages etc or loss or disturbance to spawning gravel. Spawning gravel should be protected from the period of November to May inclusive.

The den of an American mink was recorded on the loch shore under the roots of a mature oak tree. Peak Ecology to advise further prior to commencement of work.

The Contractor should provide method statements for agreement regarding the above prior to commencement of works.

Drainage and car park details
 Refer to Harley Haddow drawings for details of proposed finished car park levels and drainage.

Finished design levels
 Proposed finished levels are indicative and are relative to adjacent car park. Final finished levels are dependant on volumes of site won materials available. Contractor to advise on volumes as noted above to agree levels. Finished design levels are indicative and show aspirational finished levels. **The contractor is required to provide further survey levels to assist with final design levels. All disturbed ground is to be regraded smoothly and seeded with grass seed mix as specified.**

(NOTES FOR POSSIBLE FUTURE PLANTING):
 Refer to schedules provided below. In addition, the following principles apply:

- All feathered trees to have a single stake..
- Stock of native provenance to be used where possible.**
- All feathered trees to be pit planted into existing soil with imported soil where necessary to make up the required depth. Once planted the area is to be finished with mulch, chopped brush from on site or adjacent sites, to 30mm deep, radius 250mm around each tree. Tree pit size to be 600x600x600mm.
- All smaller stock to be notch planted into existing ground. Turn over existing soil, notch plant and mulch with chipped brush from on site or adjacent sites to 30mm deep, radius 250mm around each plant.
- Mix to be planted at varied spacing of approx. 1 plant per m² in random layout with no straight lines visible (see diagram)
- Where planting on bare new/ made ground the planting mix may be undersown with grass seed mix specified, leaving a radius of 250mm unsown around each plant.
- Where planting beneath existing woodland vegetation the spacing is increased to 1 plant per m².
- Where planting into existing ground/ vegetation, clear the ground cover to a radius of 250mm, plant as noted above and mulch to 30mm using chipped brush from site.
- For semi-mature tree planting, tree pits to be 1800x1800x1200mm overall, backfilled with good quality topsoil, and long double stakes including greenleaf rubber belt or similar and sleeve.

The planting schedules indicate the species and percentages. The arrangement and exact location will be set out on site by the CA to suit site conditions.

Native tree and shrub planting schedule (MAY BE AMENDED FOR POSSIBLE FUTURE PLANTING)

% of mix	Species	Size of planting	Density
20	Prunus avium	Feathered, 125-150cm high, 2x transplanted, bare root	1 per m ²
15	Quercus petraea	Feathered, 125-150cm high, 2x transplanted, bare root	1 per m ²
10	Sorbus aucuparia	Feathered, 125-150cm high, 2x transplanted, bare root	1 per m ²
10	Alnus glutinosa	Feathered, 125-150cm high, 2x transplanted, bare root	1 per m ²
5	Crataegus monogyna	Feathered, 125-150cm high, 2x transplanted, bare root	1 per m ²
10	Betula pendula	CG, 2L, 40-60cm high	1 per m ²
10	Corylus avellana	1+2 transplant, 40-60cm high	1 per m ²
10	Salix aurita	1+2 transplant, 40-60cm high	1 per m ²
10	Pinus sylvestris	CG, 2L, 40-60cm high	1 per m ²

KEY

- Proposed tarmac
- Proposed windust
- Proposed native tree and shrub planting

RESIDUAL RISKS:

Working next to existing road carriageway and junction
Working next to embankments and water
General construction - dust and noise
Manual handling

Revision	Description	By	Chkd By	Date	Revision	Description	By	Chkd By	Date
A	Car park layout altered	LS	LS	11.11.15					
B	Car park location altered. Planting omitted. Part of wall omitted. CONSTRUCTION ISSUE	LS	LS	26.11.15					
C	Car park location altered. Stone wall moved. Mounds shown. CONSTRUCTION ISSUE	LS	LS	09.12.15					
D	Planting added. CONSTRUCTION ISSUE	LS	LS	15.12.15					

DO NOT SCALE: Use figured dimensions only.
 The contractor is requested to check all dimensions before the work is put to hand.
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 Project: Loch Lomond and the Trossachs National Park
 Five Lochs Area - Site Upgrades PHASE 2
 Description: Loch Venachar North - Western site
 Proposed Layout
 Job No: 215222
 Drawing No: L(90)001 LVNW
 Revision: A, B, C, D