

Surface water retention system with source water polishing.

- (A) Precast concrete kerb with 300mm wide surface water inlet and commencement point of water polishing
- (B) At source water polishing filter made up of 250-300mm deep layers of clean angular stone 100-150mm in size, with good quality free draining soil. Packed compacted and wrapped in non-woven permeable geotextile membrane.
- (C) Imported high quality free draining topsoil to surround of tree root ball and to a depth of 450mm to sustain plant growth,
- (D) Plant species to enhance biodiversity and provide visual amenity  
 Bulb species and pollinators.  
 Allium sphaerocephalon, Dutch Crocus, Nectaroscrodum siculum, Cammassia leichtlinii 'Alba', Cammassia quamash, Cammassia leichtlinii caerulea.

Wildflower mix.  
 Borage  
 Leucanthemum vulgare  
 Rhinanthus minor

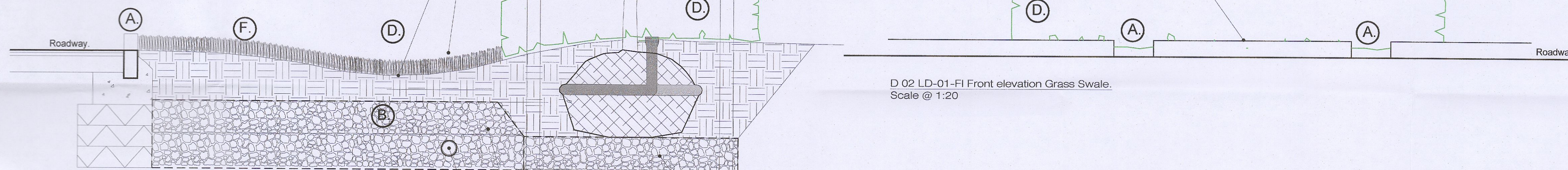
Ornamental grass.  
 Luzula nivea

Roadway. 1mtr mown grass edge 2mtr wide Swale with adjoining tree planting to open space.

(E) Tree species include

Pyrus 'Chanticleer'  
 Liquidambar styraciflua  
 Fagus 'Dawycys Purple'  
 Fagus 'Dawycys Gold'

(F) Swale surface water inlet, and commencement point of water polishing with water filtration through grass and topsoil to free draining gravel base. Level at swale access point to be equal or lower than the hardsurface.



D 02 LD-01-FI Front elevation Grass Swale.  
 Scale @ 1:20

Section .  
 Scale @ 1:20

250-300mm deep layer of clean angular stone 100-150mm in size, with good quality free draining soil.  
 600mm depth of selected free draining gravel to base of swale  
 150mm perforated pipe wrapped in non-woven permeable geotextile membrane

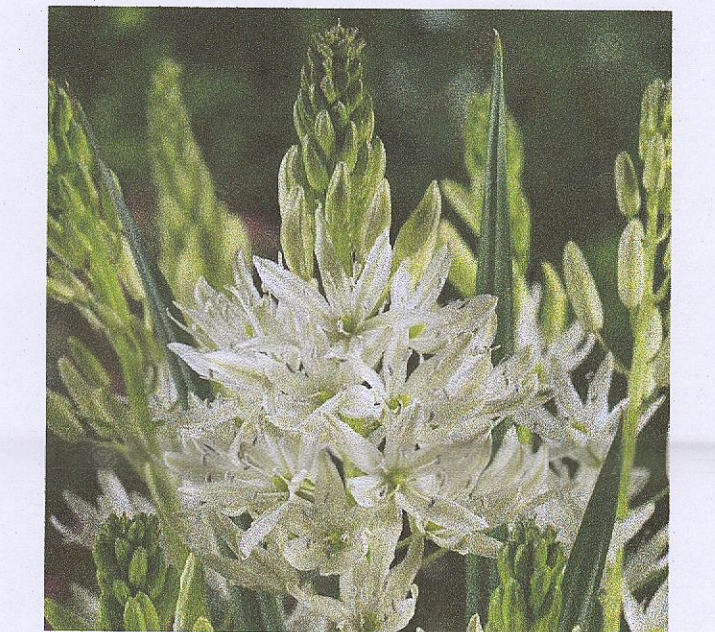
D 01 LD-01-FI Grass Swale.  
 Scale @ 1:20



Leucanthemum vulgare



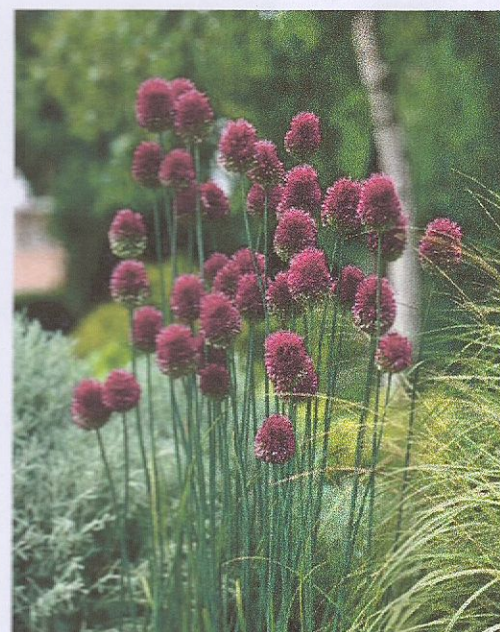
Cammassia quamash



Cammassia leichtlinii 'Alba'



Dutch crocus



Allium sphaerocephalon



Borage



Cammassia leichtlinii 'Alba'



Cammassia leichtlinii caerulea



Nectaroscrodum siculum

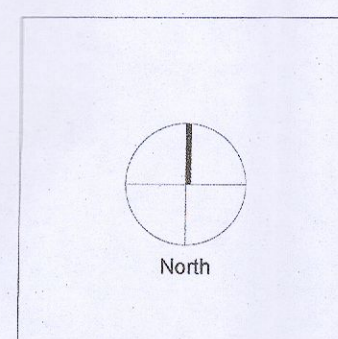


Rhinanthus minor



Luzula nivea

Rev.	Date	Notes
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General Notes

**Doyle & O'Troigh Landscape Architecture**

Project Name Aderrig Phase 3	Drawing Name Landscape SUDS Details
Status Request for Additional Information	Drawing No LD-01-FI
Project No 17-064	Revision No 00
Scale 1:25	Drawn By D&OT
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