

Surface water retention system with source water polishing.

- A** Precast concrete kerb with 300mm wide surface water inlet and commencement point of water polishing. Ensure that the level of the soil is equal to or lower than the hard surface level.
- 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.
- 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.
- E** Bulb species and pollinators.
- F** Swale surface water inlet, and commencement point of water polishing with water filtration through grass and topsoil to free draining gravel base.

**Tree species include**

- Pyrus 'Chanticleer'*
- Liquidambar styraciflua*
- Fagus 'Davys Purple'*
- Fragus 'Davys Gold'*

**Bulb species and pollinators.**

- Allium sphaerocephalon*, *Dutch Crocus*, *Nectaroscordum siculum*, *Camassia leichlinii*, *Allot*, *Camassia quamash*, *Camassia leichlinii caerulea*.
- Wildflower mix*.
- Borage*.
- Leucanthemum vulgare*
- Rhnanthus minor*
- Ornamental grass*.
- Luzula nivea*

**1mtr mown grass edge**

**2mtr wide Swale with adjoining tree planting to open space**

**Kerb type and height to Engineers details**

- Grass finish to road side swale. Min topsoil depth 200mm
- 1000mm wide grass swale depth 100-150mm with free draining gravel base
- Optimum slope to swale 1:4

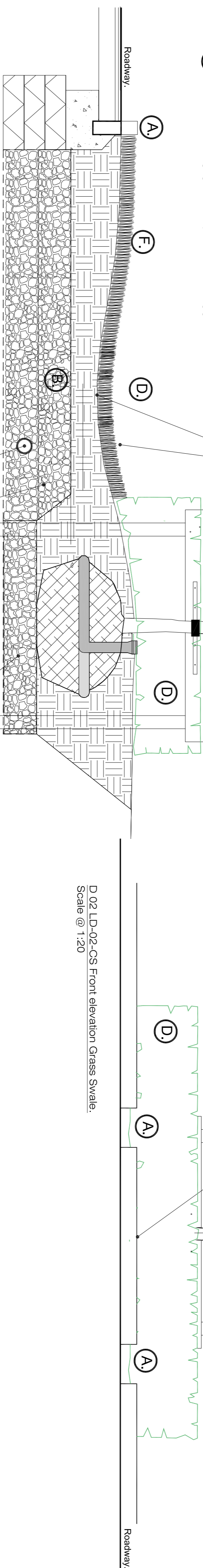
**250-300mm deep layer of clean angular stone 100-150mm in size, with good quality free draining soil.**

**600mm depth of selected free draining gravel to base of swale**

**150mm perforated pipe wrapped in non-woven permeable geotextile membrane**

**D 02 LD-02-CS Front elevation Grass Swale.**

Scale @ 1:20



**Section.**

Scale @ 1:20

**D 01 LD-02-CO Grass Swale.**

Scale @ 1:20



*Leucanthemum vulgare*



*Camassia quamash*



*Camassia leichlinii 'Alba'*



*Dutch crocus*



*Luzula nivea*



*Allium sphaerocephalon*



*Borage*



*Camassia leichlinii 'Alba'*



*Camassia leichlinii caerulea*

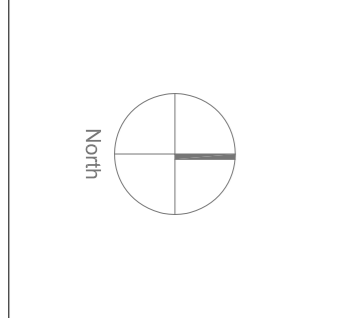


*Nectaroscordum siculum*



*Rhnanthus minor*

Rev.	Date	Note
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General Notes

Project Name	Drawing Name
Tony's Lane Village Phase 2	Scale details 2 of 2
Status	Compliance
Project No 13044	Drawing No LD-02-CO
Scale 1:20	Drawn By KGR
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