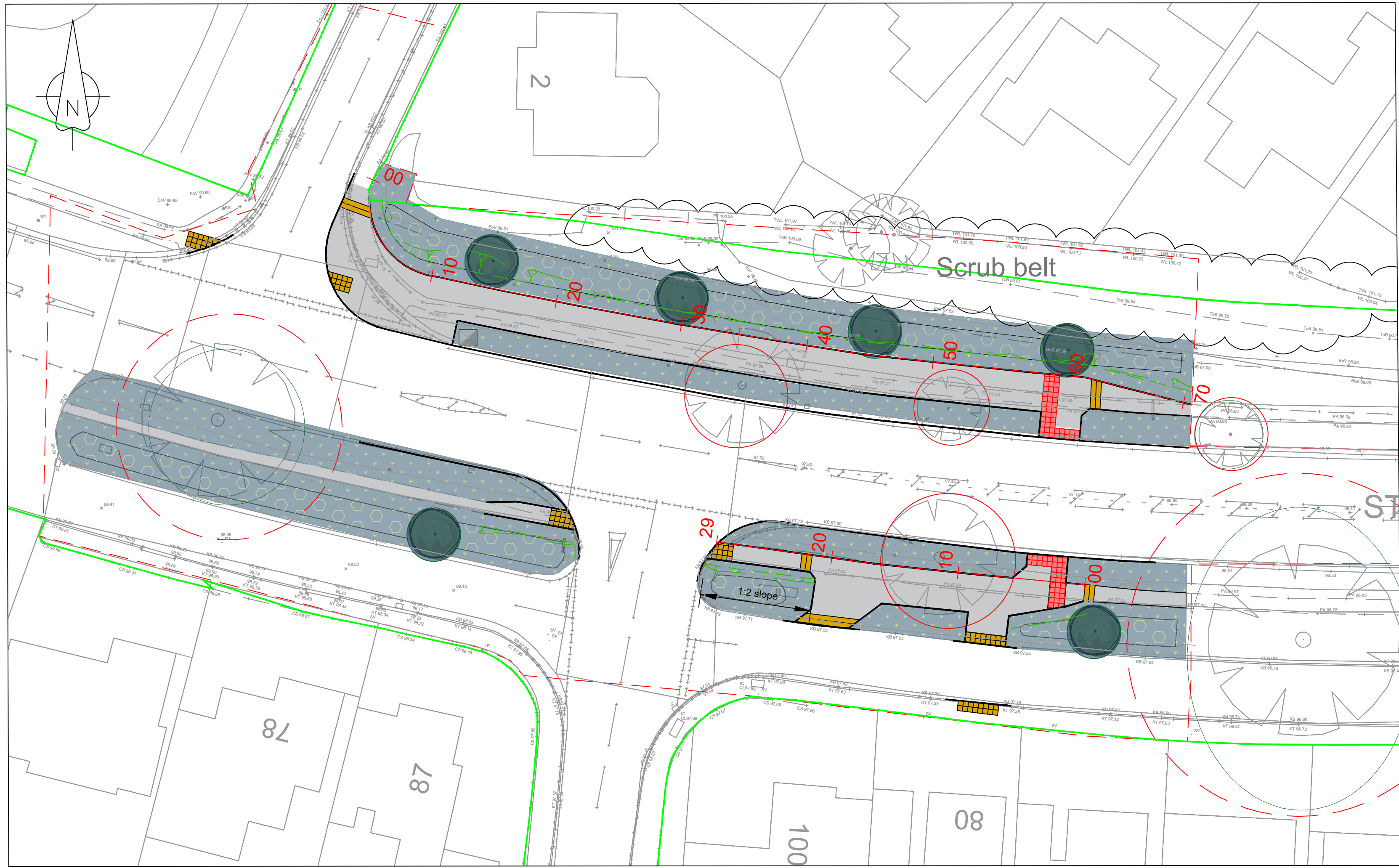
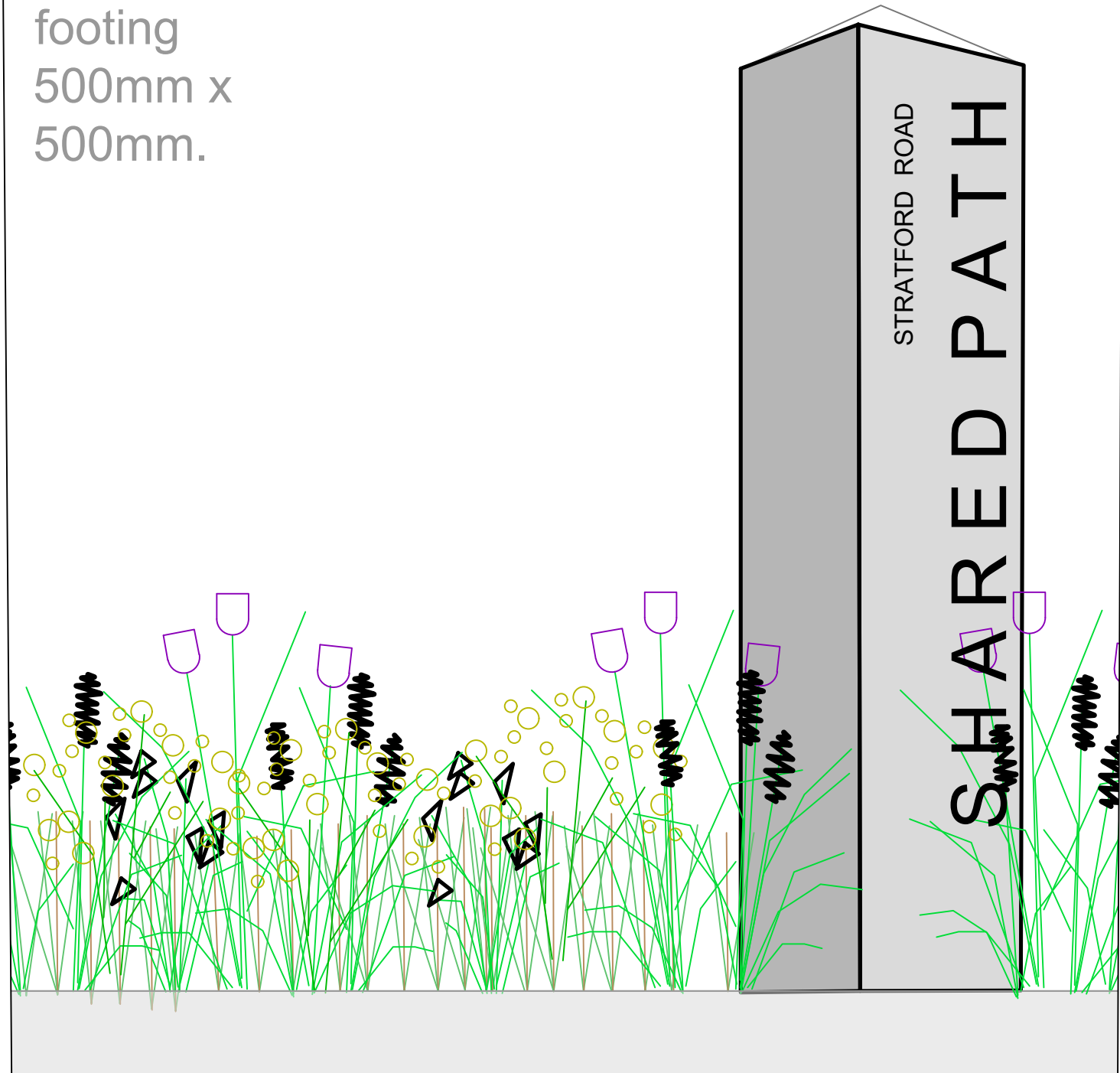


FEATURE  
BOLLARD  
1000mm max  
in height with  
300mm  
underground.  
Root fixed in a  
C20 concrete  
footing  
500mm x  
500mm.



- KEY
- EXISTING
- Existing trees to be retained and protected
  - Existing trees to be removed
  - Root Protection Area
  - Scheme Boundary
- PROPOSED
- BULBS IN GRASSLAND
- Planting : Mix of Native Bulbs
  - Function : Seasonal interest as well as adding variety of form colour and texture.
- TREES
- Planting : Specimen Street Trees
  - Function : Fastigate form, compact, medium sized trees
- GRASSLAND
- Planting : Habitat Aid (or similar approved) Road Verge Wildflower and Grass Seed Mix = 678m2. Seed to bulb areas also.
  - Function : If not a safety issue allow grass to grow longer to increase biodiversity.
- FEATURE BOLLARD
- Material and Size : location and material to be finalised
  - Dimensions: 1000mm max in height with 300mm underground. Root fixed in a C20 concrete footing 500mm x 500mm
- FOOTPATH/CYCLEWAY

- Do not scale from this drawing.
- All dimensions in metres unless otherwise noted.
- This drawing should be read in colour.
- All work by the Contractor must be carried out in such a way that all requirements under the Health and Safety Act are satisfied.
- The Contractor will verify the presence and location of services before undertaking any work in any area of the site and by carrying out a full non-intrusive survey of the site before commencing the works.
- Exact location of the proposed ecological enhancements to be confirmed prior to commencement of works.
- Exact location of the proposed bulb planting to be confirmed prior to commencement of works.
- Location and orientation of bollard to be agreed on site with WCC Site Supervisor prior to installation.

P01	18/12/20	SUITABLE FOR APPROVAL	SF	SF	PS	PS
P02	24/02/21	SUITABLE FOR CONSTRUCTION	AR	KR	KR	PS
Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Appr'd

Designer:

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Project

A38 BROMSGROVE ROUTE  
ENHANCEMENT PROGRAMME

Drawing title

SUSTAINABLE SCHEME 4  
LANDSCAPE  
A448 NEAR  
BLACKWOOD ROAD

Drawing status

A - FIT FOR CONSTRUCTION

Scale

1:500

DO NOT SCALE

Jacobs No.

B2367222

Rev

P02

Client no.

CP01083

Drawing number

B2367222-JAC-ELS-4-DR-LE-0001

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#### Specimen Street Trees

Abbrev.	Qty	Botanical Name	Common Name	Specification
C be 'F'	6	Carpinus betulus 'Frans Fontaine'	Fastigate Hornbeam	12-14cm girth; 300-350cm high; rootballed 2x; selected standard; clear stem 175-200cm; 4 breaks

#### Grass Seeding

Grass Type	Area
Habitat Aid (or similar approved) Road Verge Wildflower and Grass Seed Mix. Grass seed to areas defined on plan. Seed sown at 4 gram/m2	648m2
Grass seed within bulb planted area.	241m2

#### Native Bulbs

Abbrev.	Qty	Botanical Name	Common Name	Specification
C aut	10m <sup>2</sup> @ 60m <sup>2</sup> = 600	Colchicum autumnale	Autumn Crocus	grade 1B/2B
F me	10m <sup>2</sup> @ 60m <sup>2</sup> = 600	Fritillaria meleagris	Snake's Head Fritillary	grade 3.5/4
G n	10m <sup>2</sup> @ 60m <sup>2</sup> = 600	Galanthus nivalis	Common Snowdrop	grade 3.5/4
N p	10m <sup>2</sup> @ 60m <sup>2</sup> = 600	Narcissus pseudonarcissus	Wild Daffodil	grade 5/6



#### SAFETY, HEALTH AND ENVIRONMENTAL (SHE) INFORMATION

All site activities shall be carried out in accordance with the Contractors Construction Phase Plan. In addition to the hazards/risks normally associated with the type of work detailed on this drawing, note the following:

#### THE FOLLOWING ARE MAJOR HAZARDS/RISKS PRESENT ACROSS THE SITE

- CONSTRUCTION and MAINTENANCE
- C1. Coronavirus transmission to/between site personnel
  - C2. Chartered and unchartered services
  - C3. Working adjacent to live traffic
  - C4. Potential interaction with the public

Contractor to refer to HERR form B2367222-JAC-VUT-0-HS-CU-0006 for additional details on any major / significant risks identified within this SHE box as well as other safety related hazards identified during detailed design

#### TREE PIT

600mm 25cm diameter Biodegradable Tree Guard cut to size, tied with 2 nylon ties. Available from Acorn planting products. (or similar approved)

Untreated Tree Stake - 75mm diameter. Stakes and tree toes to be fitted so parallel with nearest footpath edge or kerb line

Naturetie biodegradable tie with life extending spray coat applied after installation. Available from Greenleaf.(or similar approved)

Tree pit recessed by 100mm. Design to protect tree base from mower damage. Tree pit to be the measurement of the rootball plus 400mm in each direction

50mm deep mulch layer.

Backfill with excavated material as specified.

Loosen and shape base as shown to aid root penetration and pit drainage. Depth of cultivation at the base of the tree pit to be 200mm.

Stakes shall be firmly driven and positioned into the tree planting pit before planting to a minimum depth of 300mm below the bottom of the pit. Stake should not be driven through the rootball of the tree.

