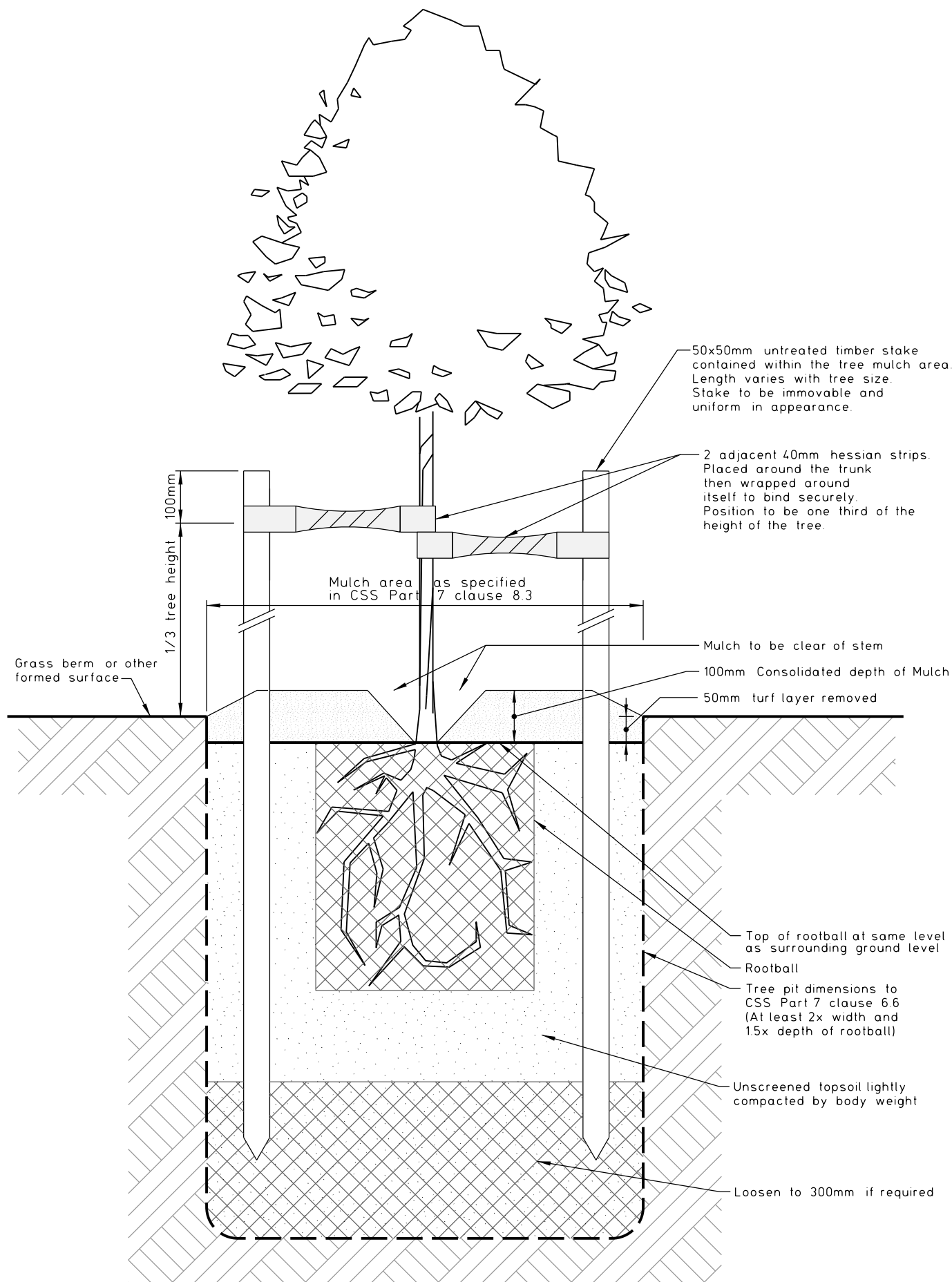
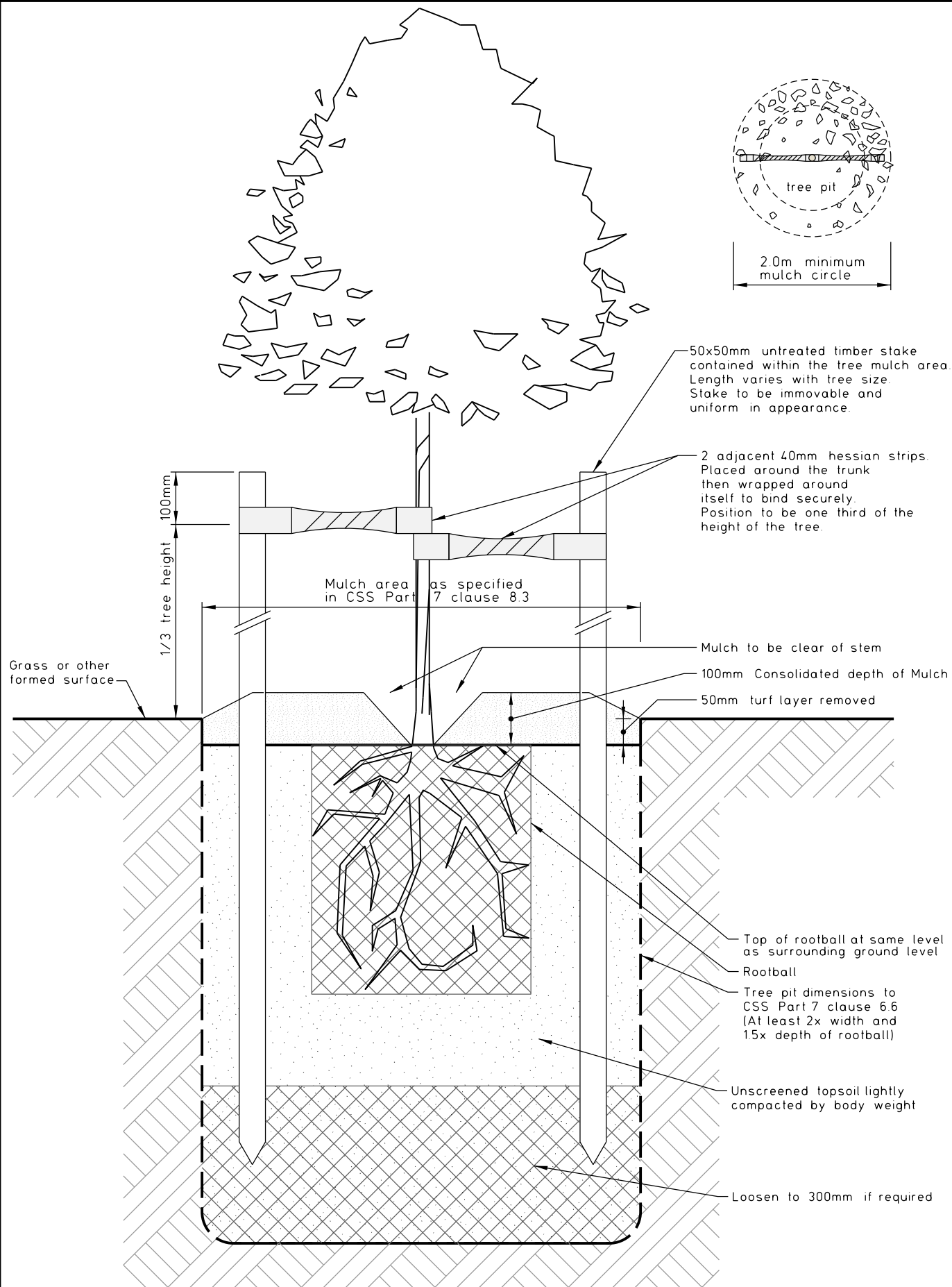




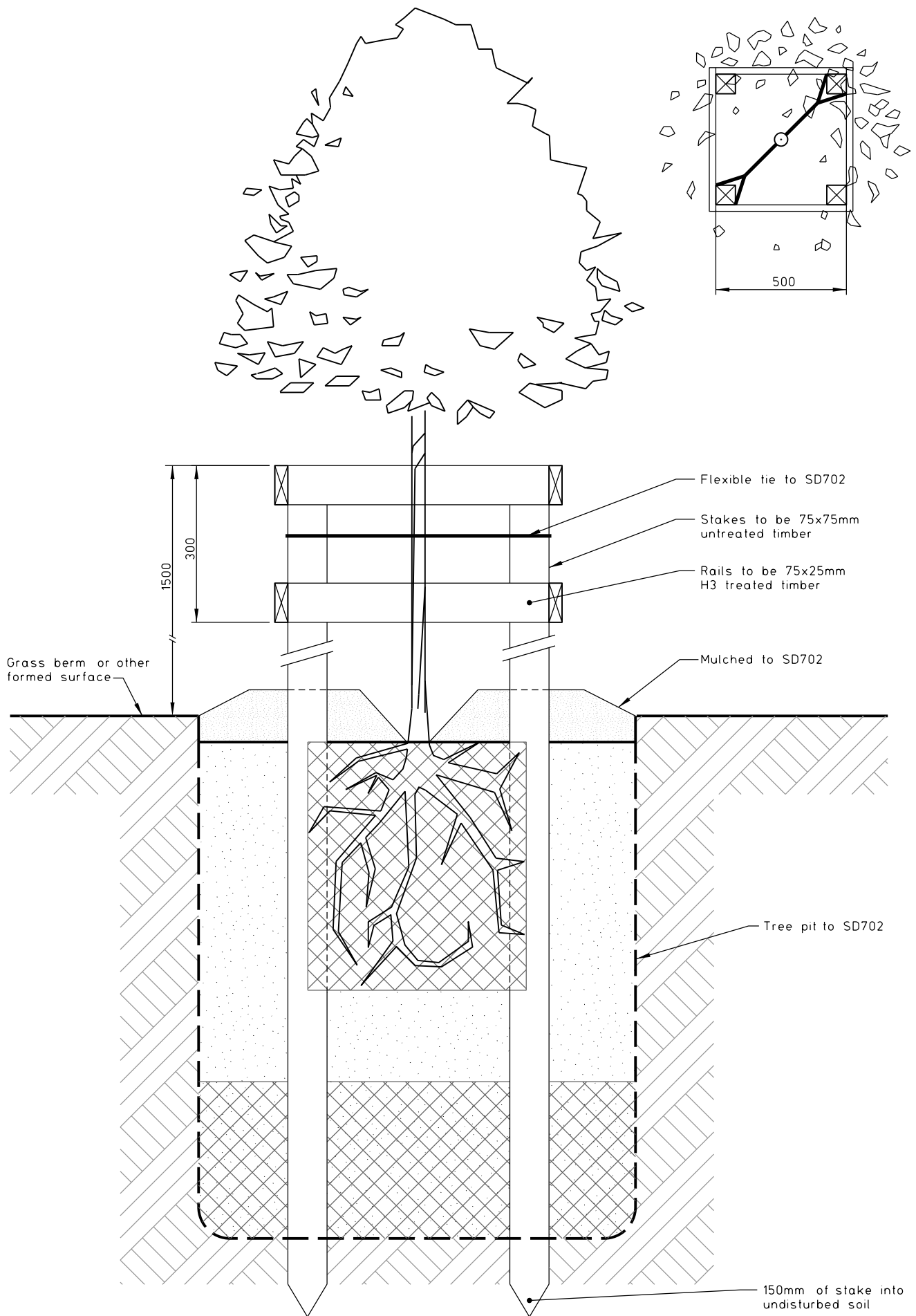
NOTES:

1. Use wool mulch or other approved mulch matting in areas prone to submergence.



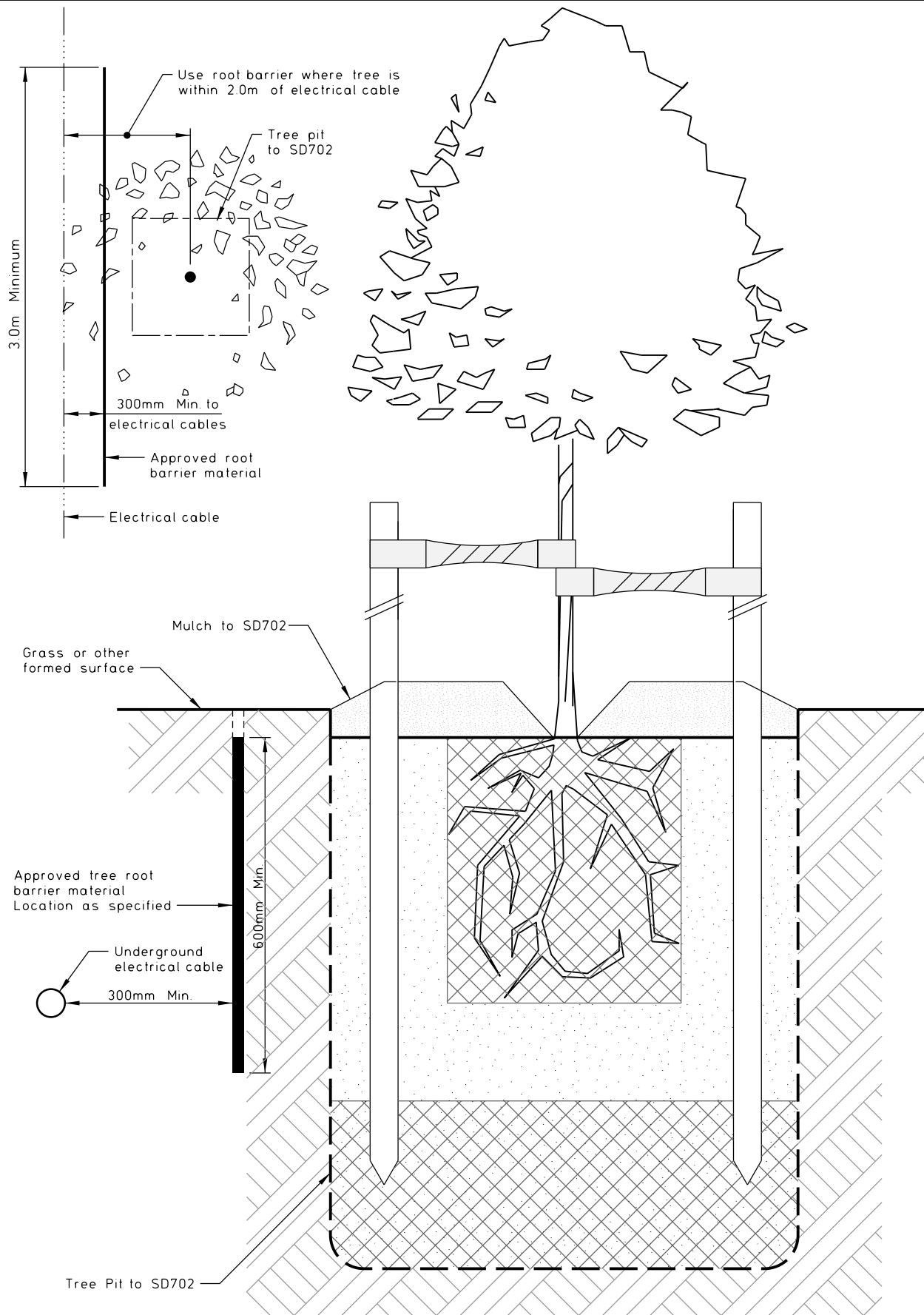
NOTES:

1. Planting operations on HAIL sites must adhere to an approved methodology.
2. Use wool mulch or other approved mulch matting in areas prone to submergence.



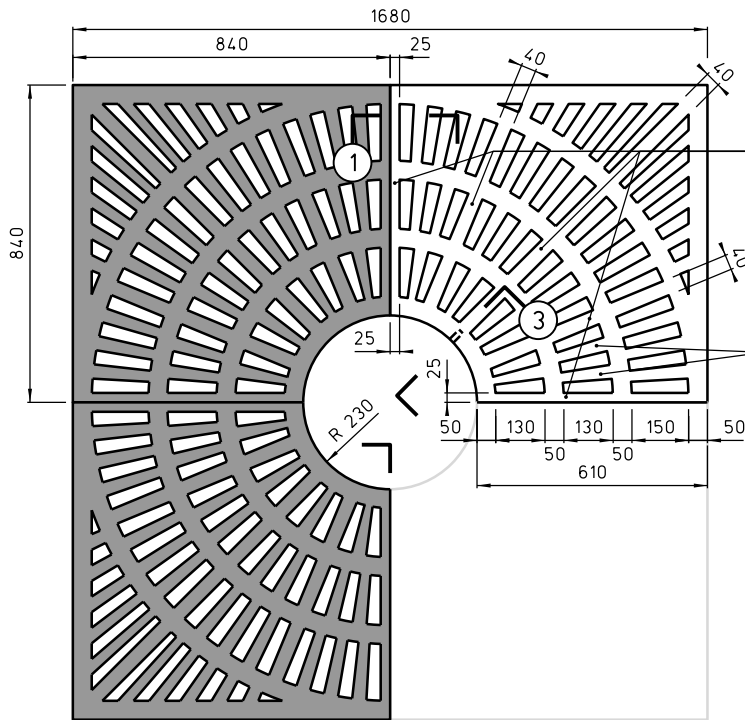
NOTES:

1. For tree pit details see SD702



NOTES:

1. Only install root barrier where tree is adjacent to underground services.
2. Refer to CSS Part 7 clause 10.2 for requirements to protect electrical cables.

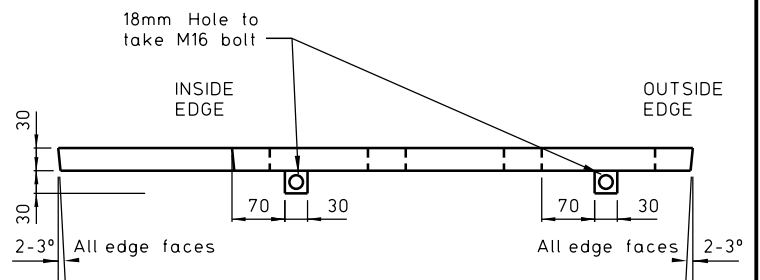
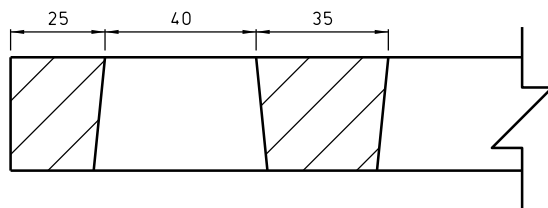


Main Spokes of equal thickness from outside edge through to centre

Tree grate to be cast iron in four sections and bolt fixed together around tree using galv. M16 bolts as detailed.

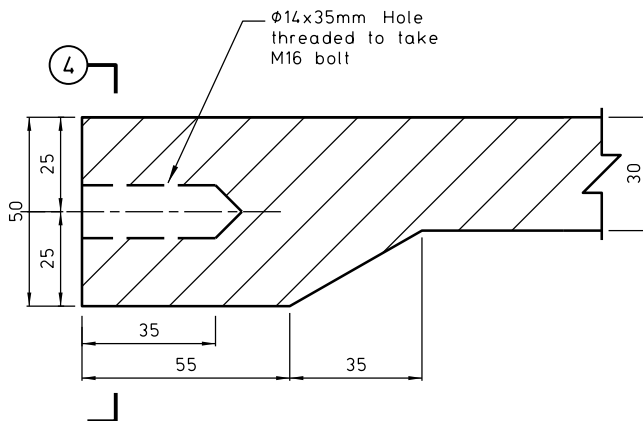
Sections between main spokes on radials & tapering thickness towards centre

② PLAN

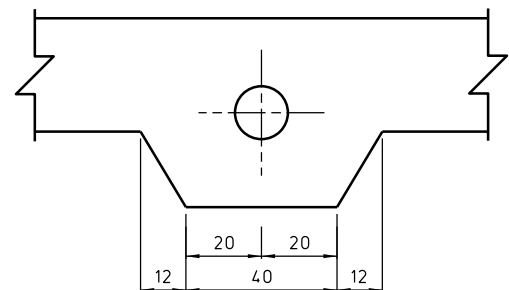


① CROSS SECTION

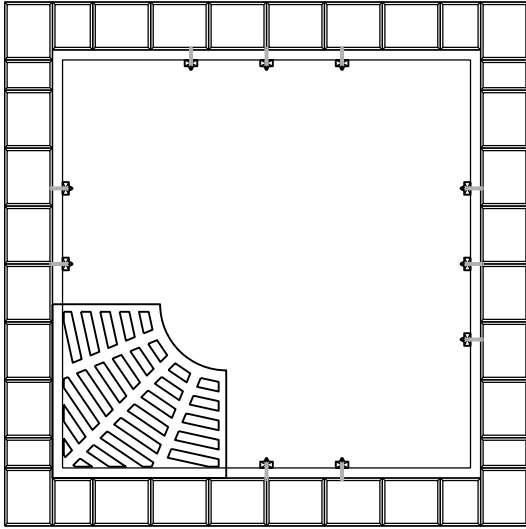
② TREE GRATE FIXING



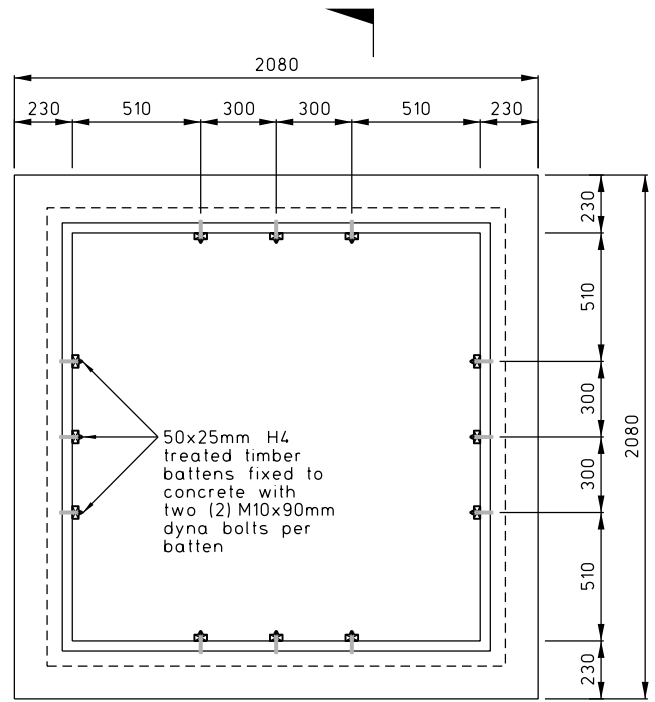
③ GUARD FIXING



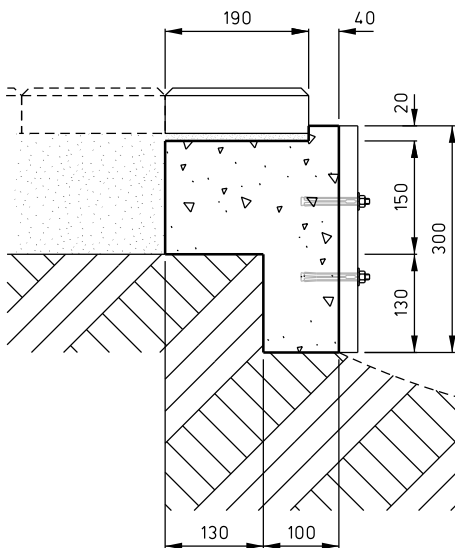
④ TREE GUARD FIXING



PAVER LAYOUT



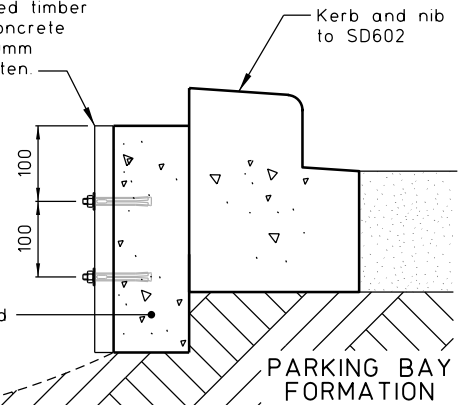
PLAN



50x25mm H4 treated timber battens fixed to concrete with two (2) M10x90mm dyna bolts per batten.

17.5MPa concrete guard

Total depth of hole as specified

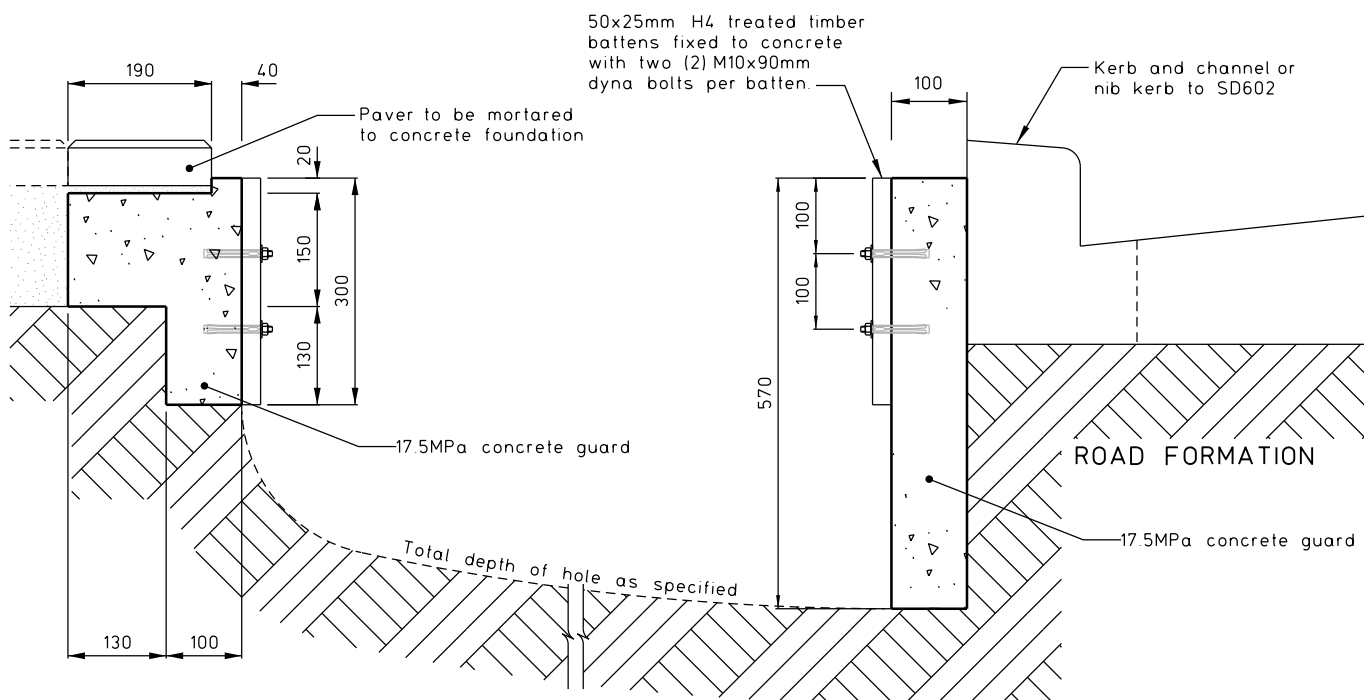
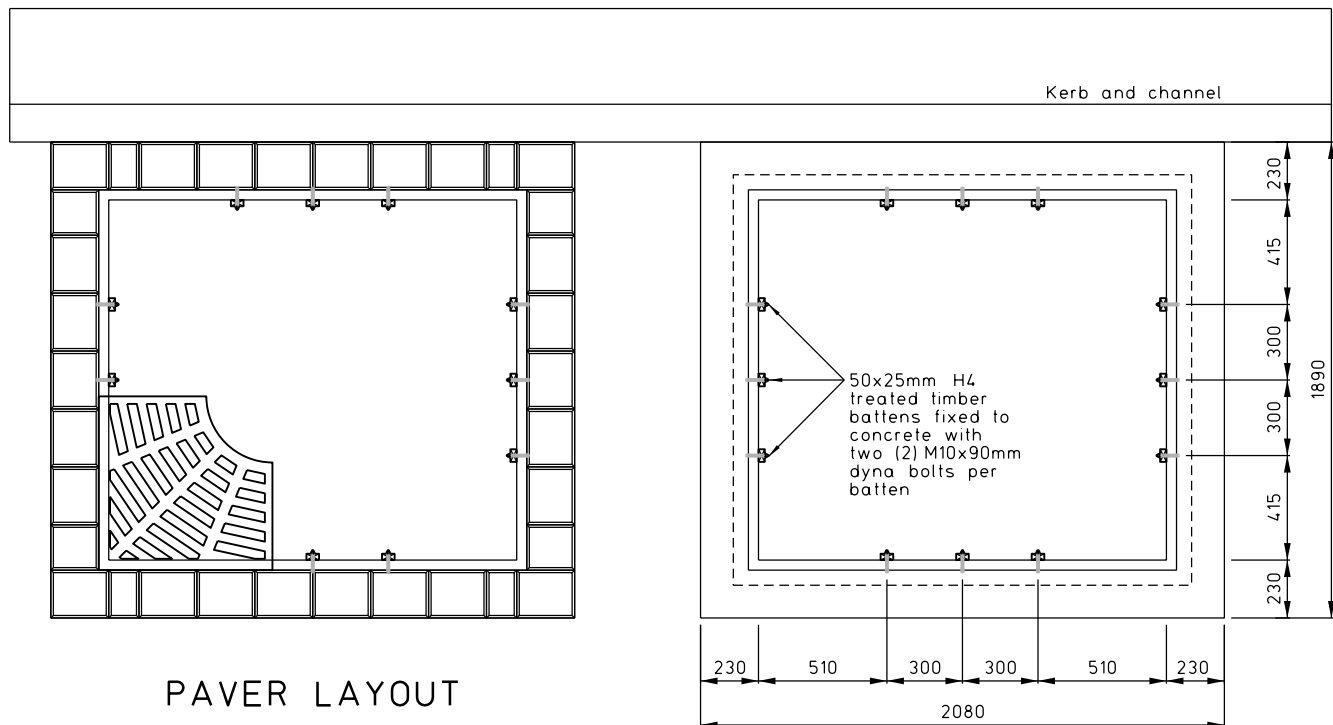


PARKING BAY FORMATION

① CROSS SECTION

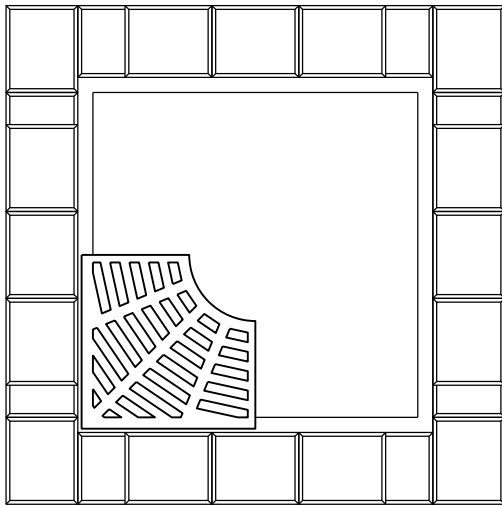
NOTES:

1. Use adjacent to parking areas / the roadway.

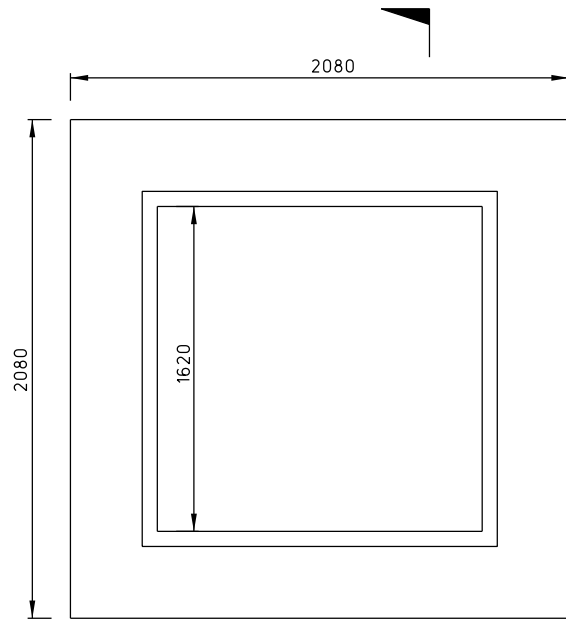


NOTES:

1. Use adjacent to parking areas / the roadway.

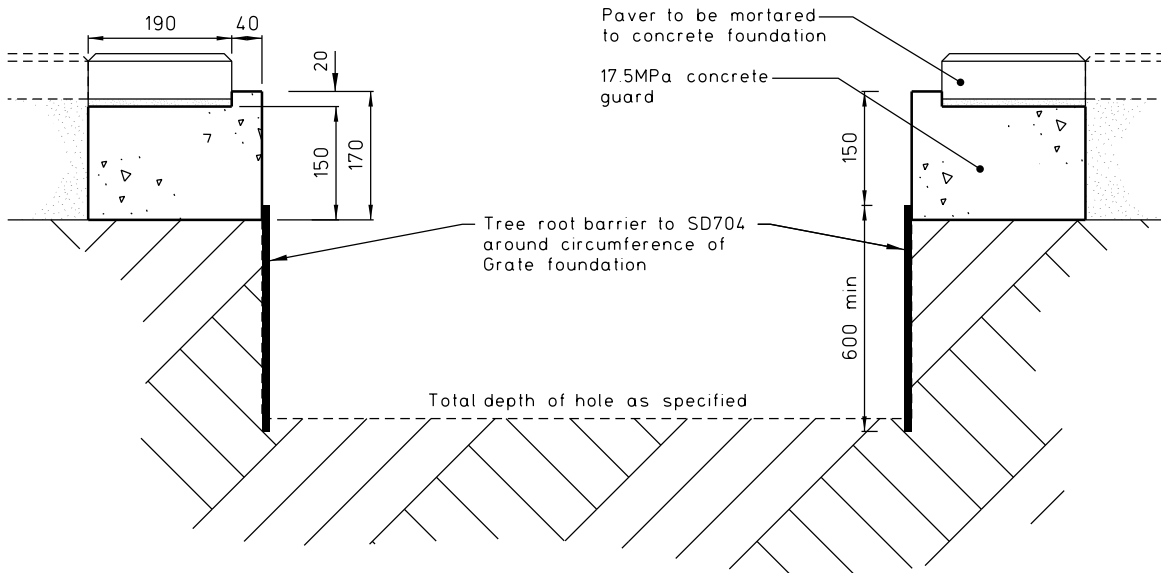


PAVER LAYOUT

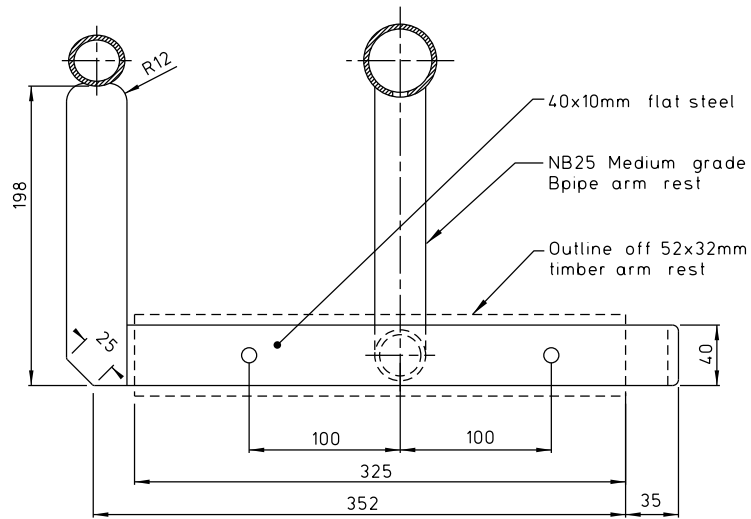


PLAN

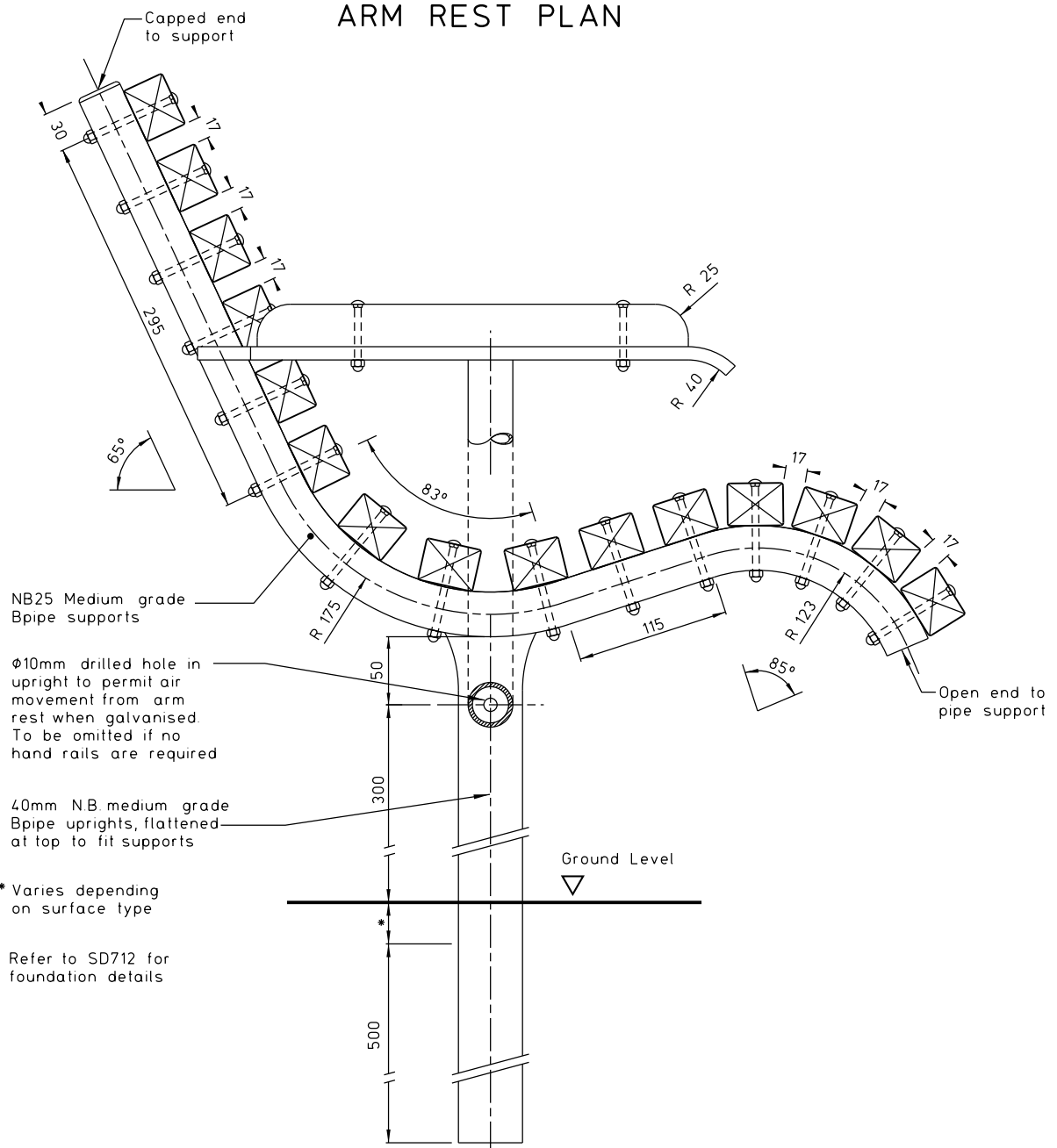
1



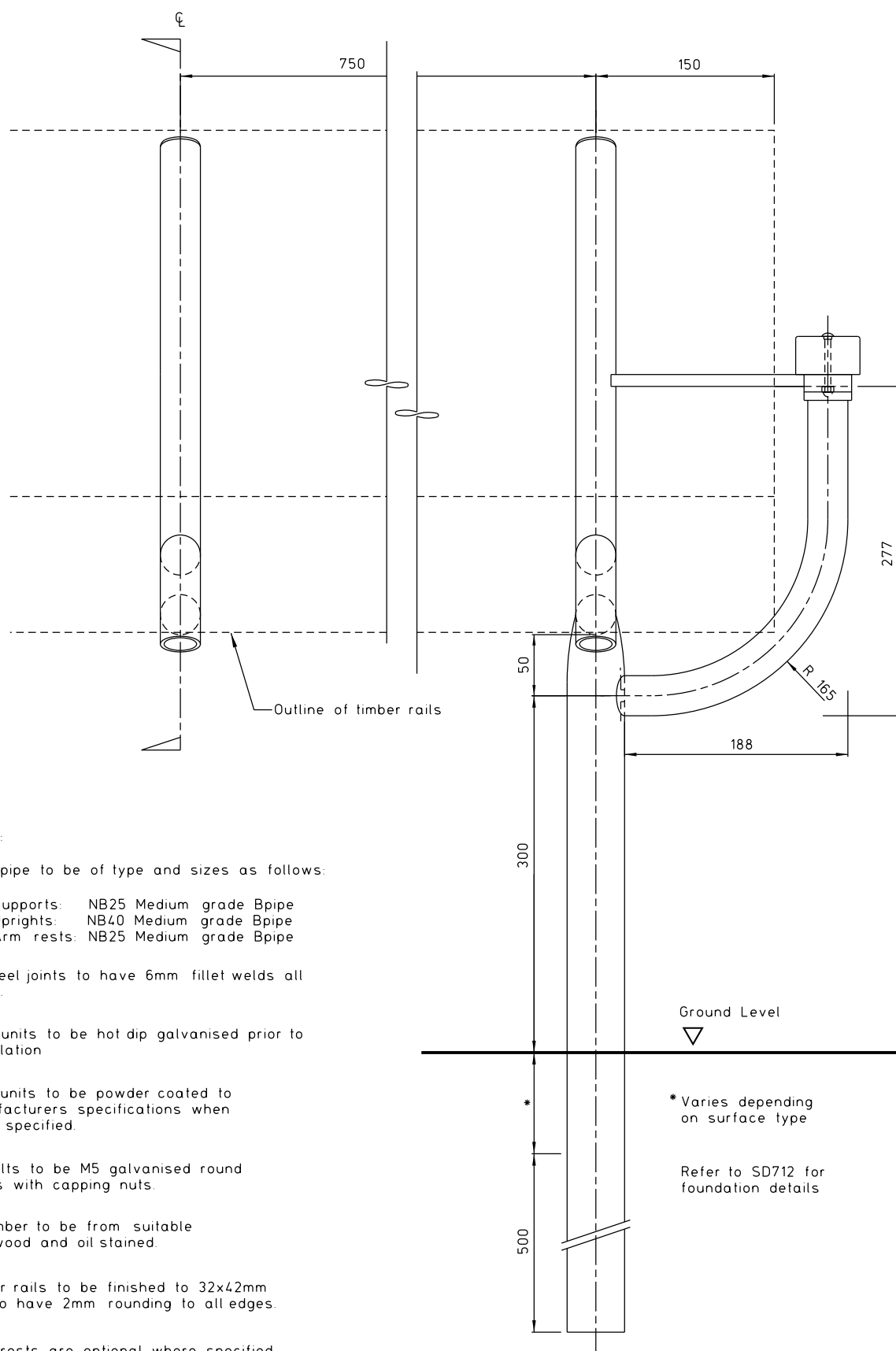
1 CROSS SECTION



ARM REST PLAN



END ELEVATION



Notes:

1. Steel pipe to be of type and sizes as follows:

- Supports: NB25 Medium grade Bpipe
- Uprights: NB40 Medium grade Bpipe
- Arm rests: NB25 Medium grade Bpipe

2. All steel joints to have 6mm fillet welds all round.

3. Steel units to be hot dip galvanised prior to installation

4. Steel units to be powder coated to manufacturers specifications when & as specified.

5. All bolts to be M5 galvanised round heads with capping nuts.

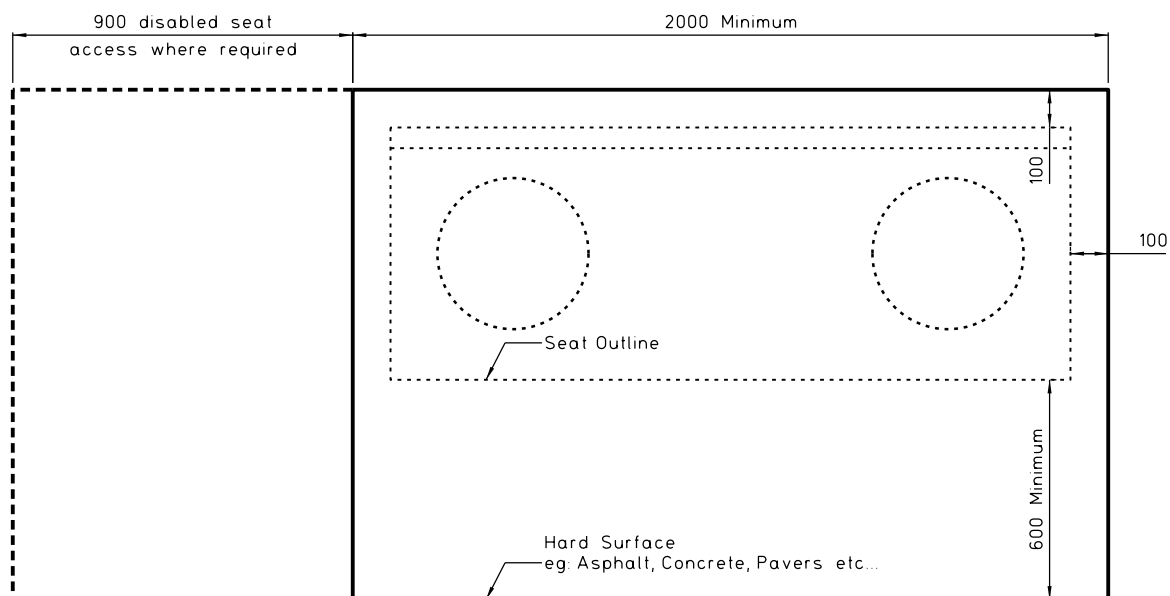
6. All timber to be from suitable hardwood and oil stained.

7. Timber rails to be finished to 32x42mm and to have 2mm rounding to all edges.

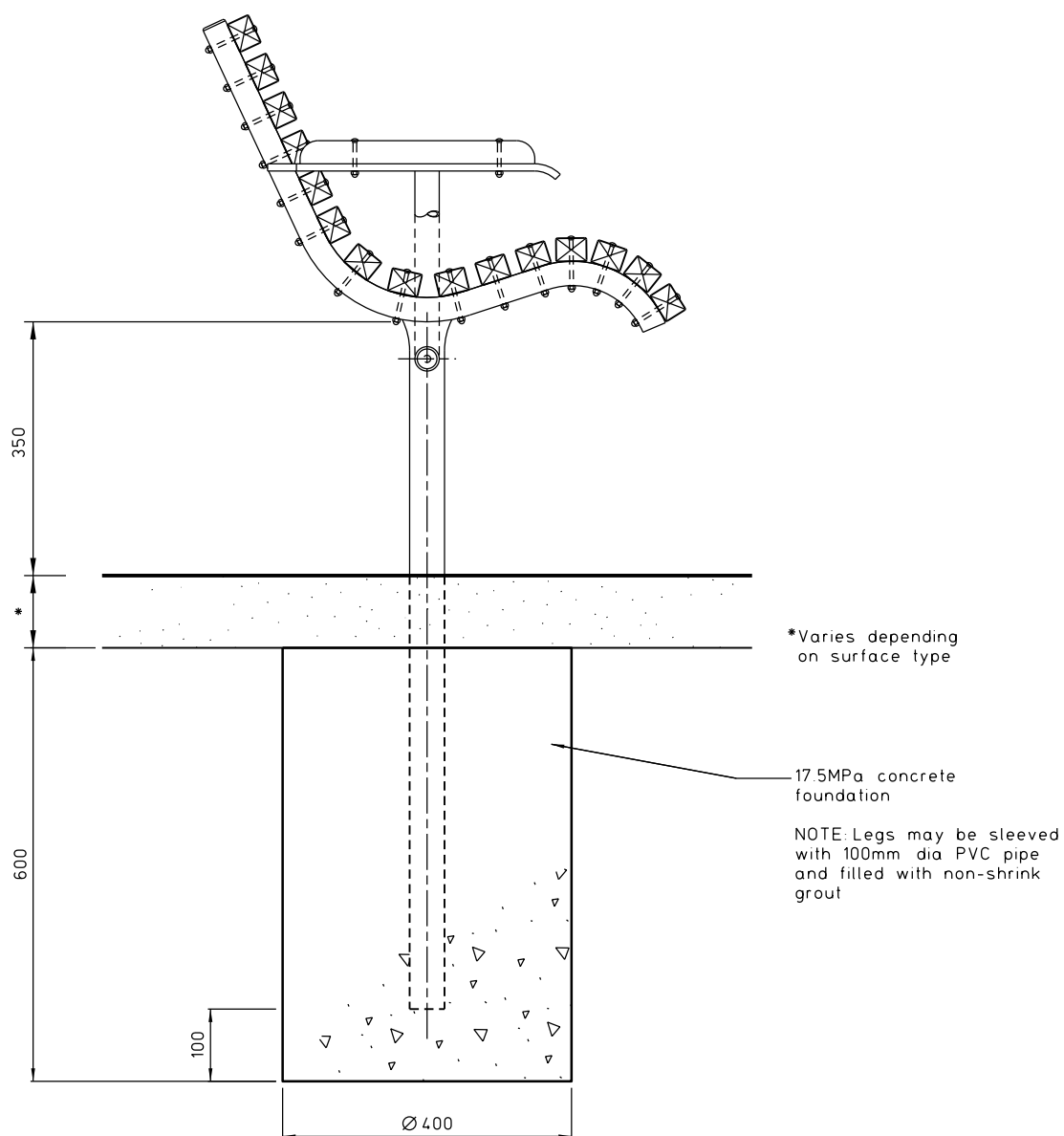
8. Arm rests are optional, where specified.

9. Timber arm rests to be finished to 52x32mm and to have 2mm rounding to all edges

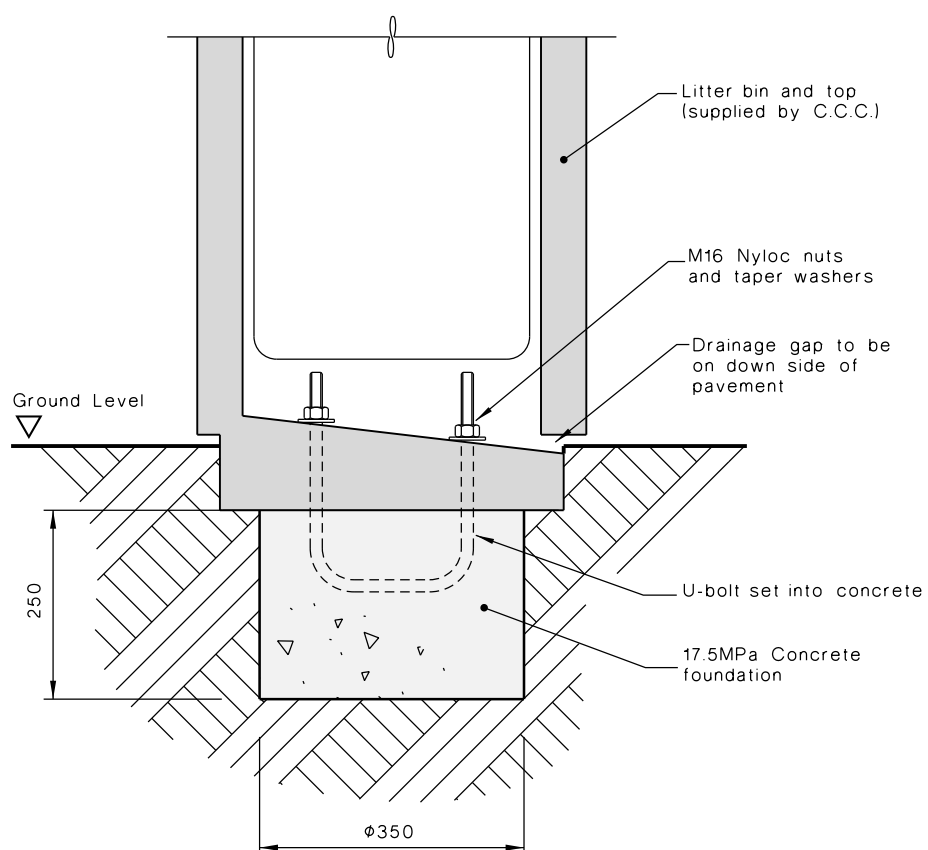
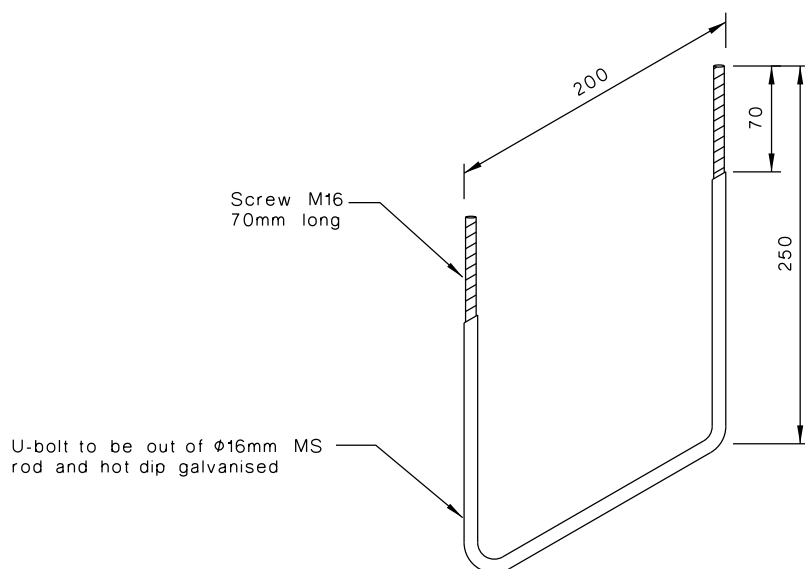
HALF FRONT ELEVATION

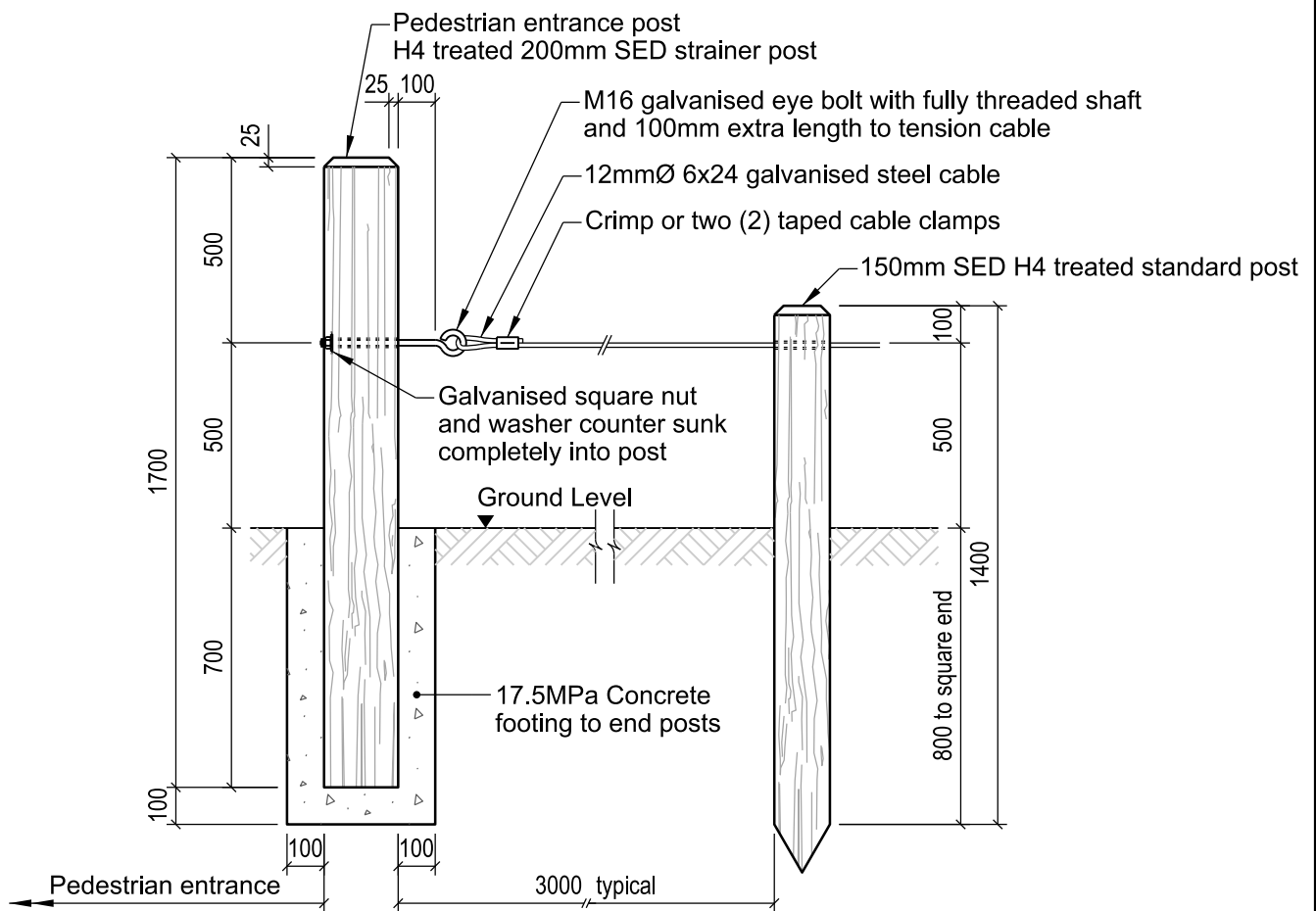


FOUNDATION PLAN

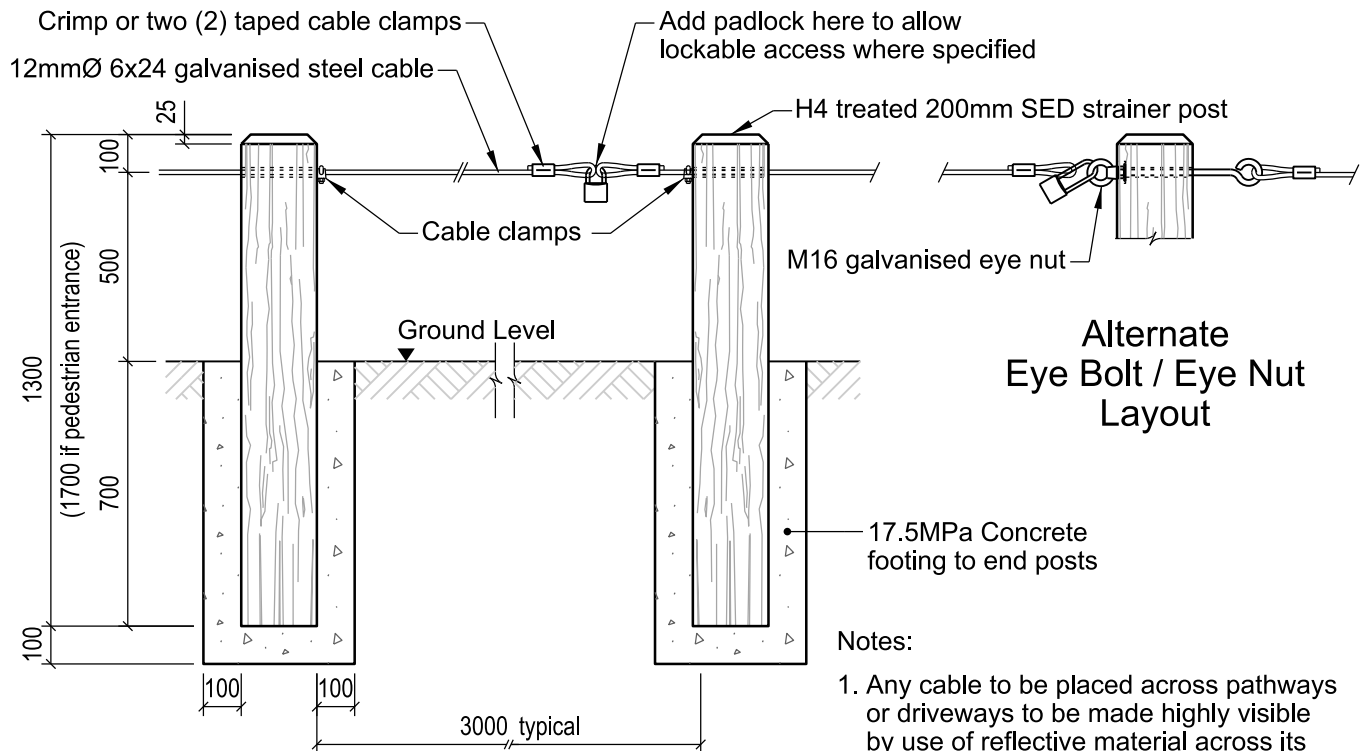


FOUNDATION DETAIL



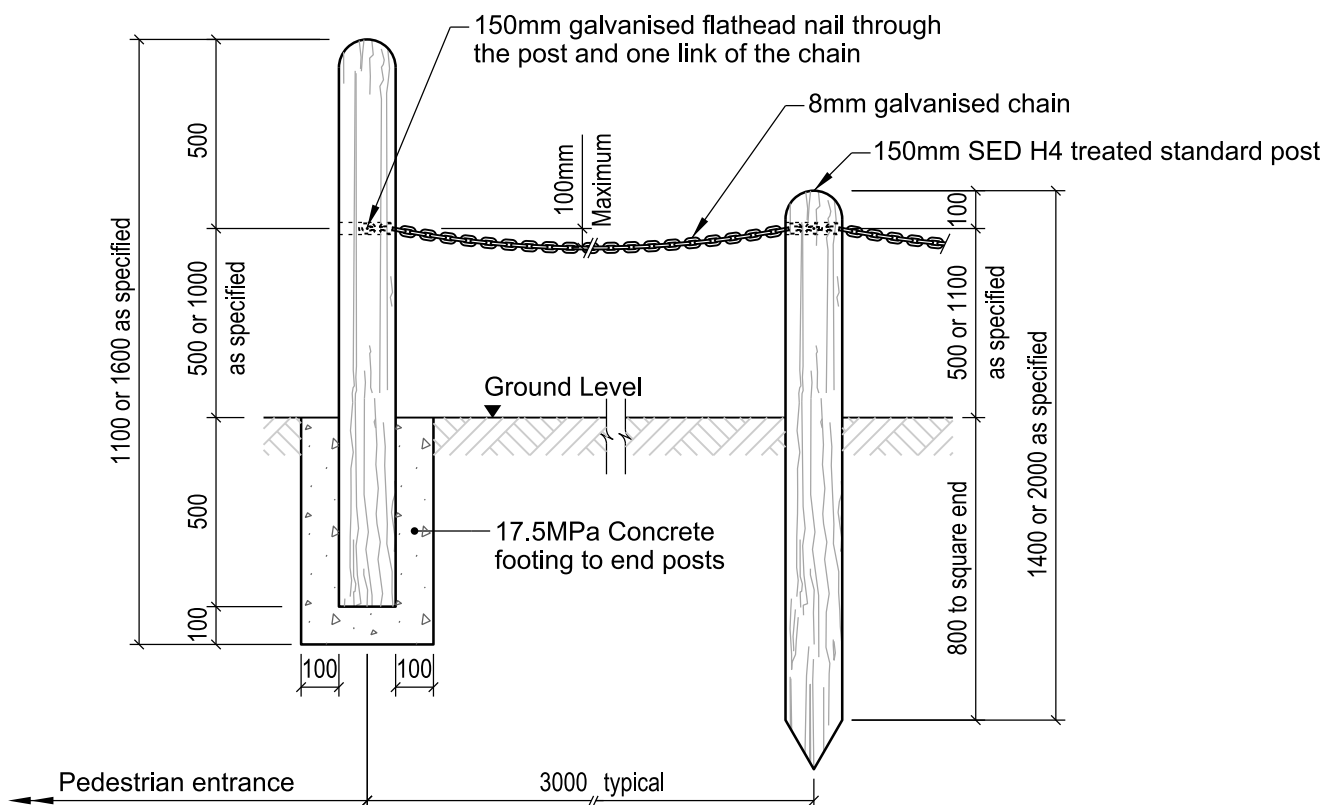


Pedestrian Entrance

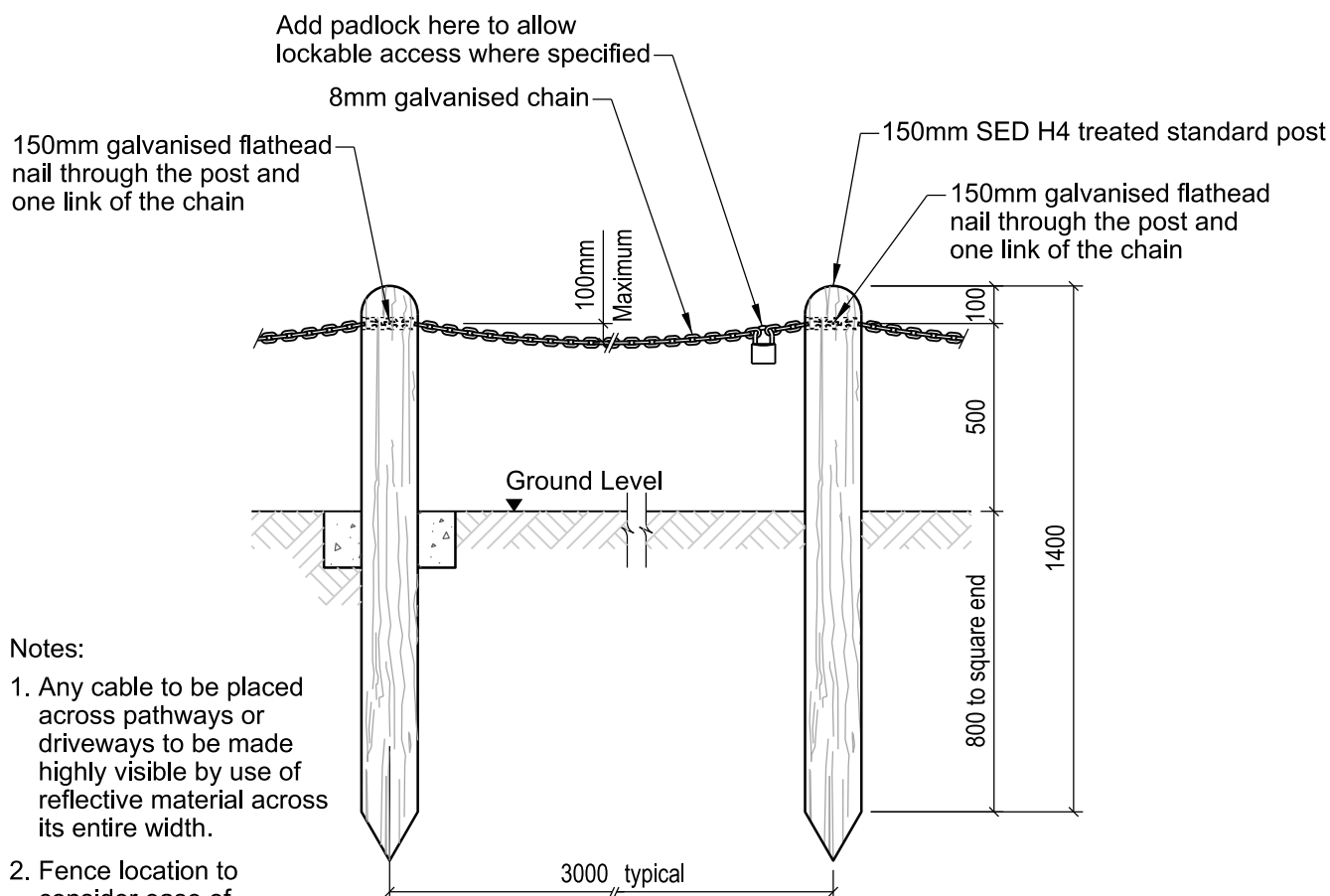


Notes:

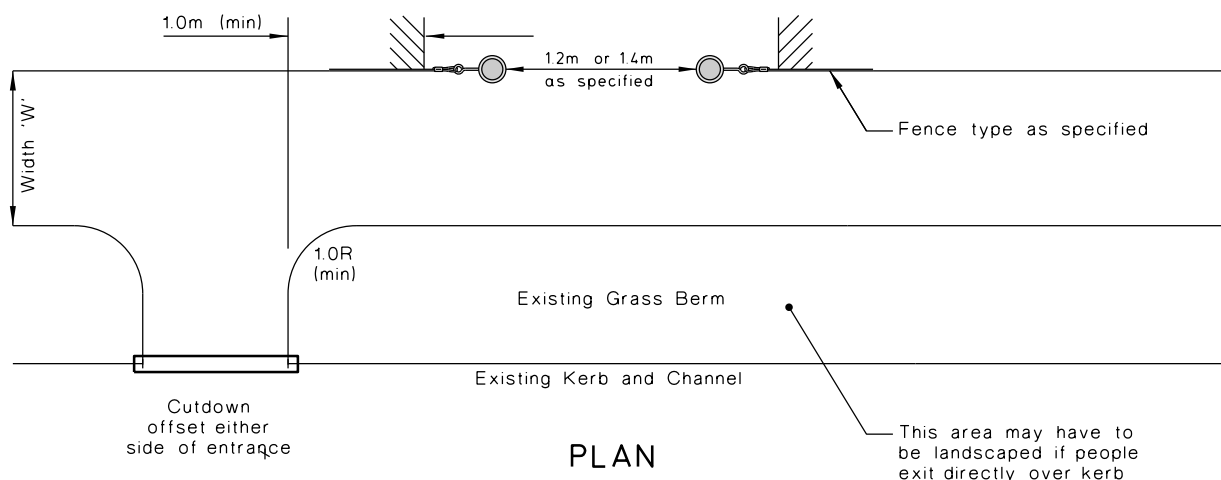
1. Any cable to be placed across pathways or driveways to be made highly visible by use of reflective material across its entire width.
2. Fence location to consider ease of maintenance - not in grassed areas.



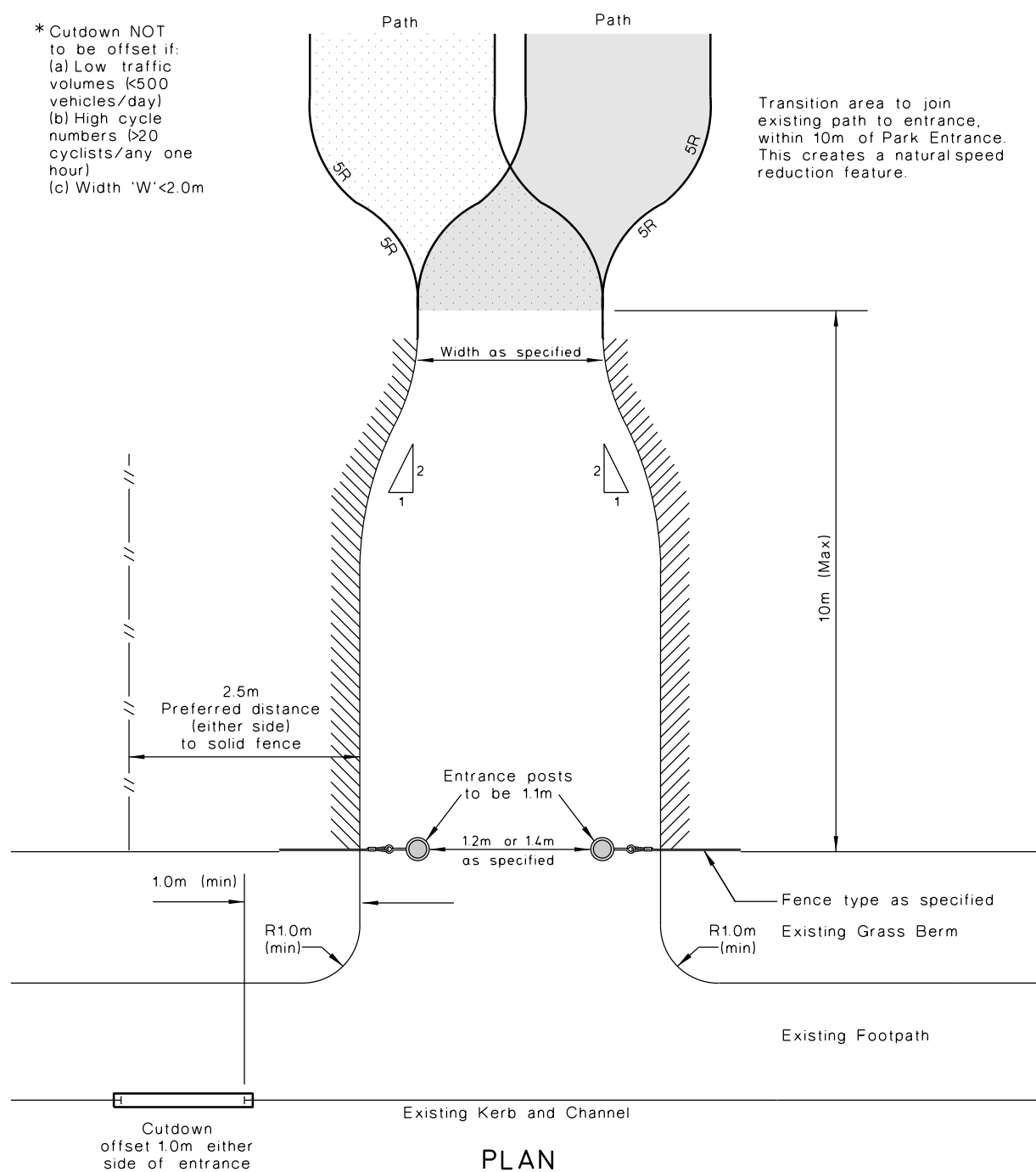
Pedestrian Entrance



Vehicle Entrance



* Cutdown NOT to be offset if:
 (a) Low traffic volumes (<500 vehicles/day)
 (b) High cycle numbers (>20 cyclists/any one hour)
 (c) Width 'W' < 2.0m



DETAIL DELETED 2025

DETAIL DELETED 2025

SPECIFICATION:

1. GALVANISING:

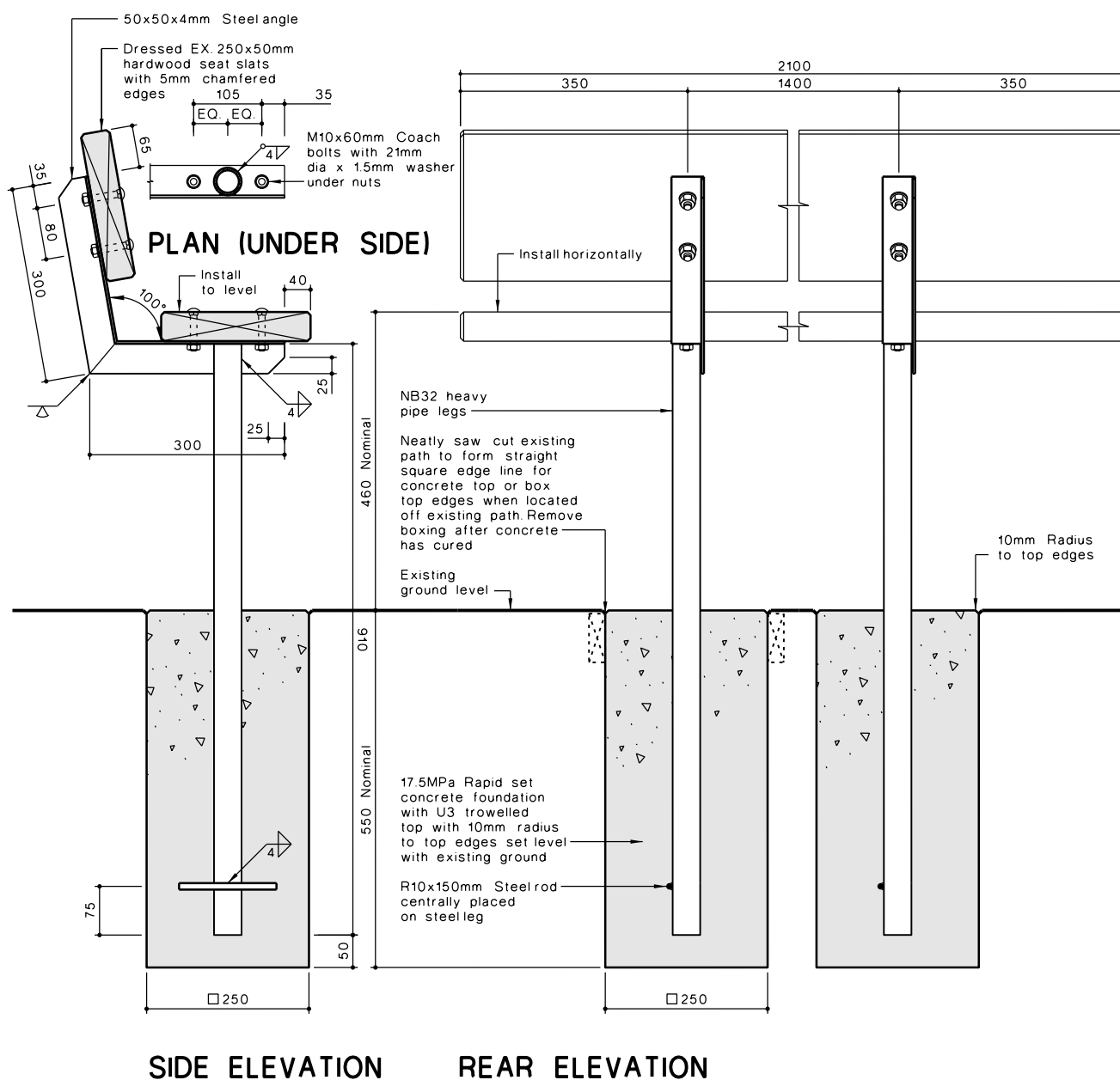
- All steel fixings to be hot dip galvanised.
- Supports shall be hot dip galvanised after fabrication, with all blow holes located so as not to allow water (rain/washing down) to enter the frame. Blowholes shall be located in non-visible locations wherever possible.
- Hot dip galvanising shall be in accordance with NZS 4680.
- All hot dip galvanising defects shall be repaired by hot zinc metal spray.

2. FOUNDATIONS:

- Contractor to verify locations of all underground services before excavating.

3. TIMBER:

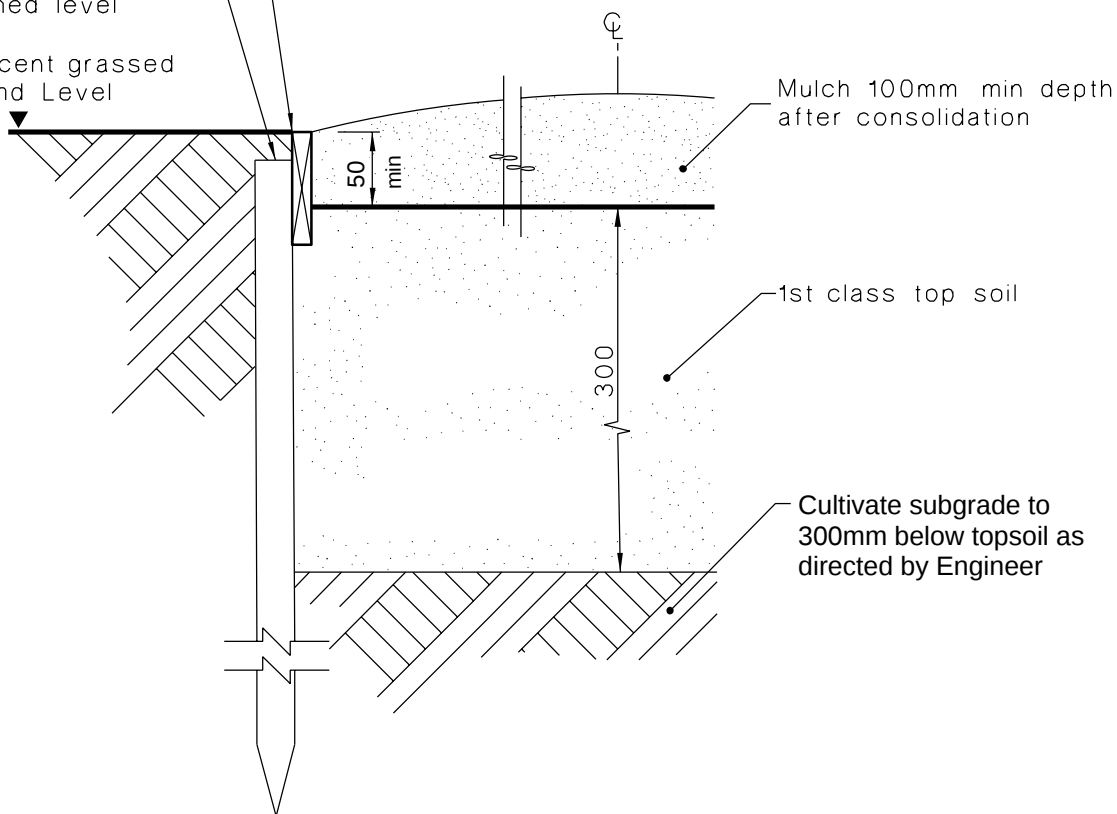
- Timber seat slats to be from a sustainable source approved by CCC.
- All timber to be seasoned and dried to a moisture content of between 12-16%



150x25mm H4 timber battens
with 50x50x600mm H4 timber
pegs at 1m crs max.

Peg 25mm below
finished level

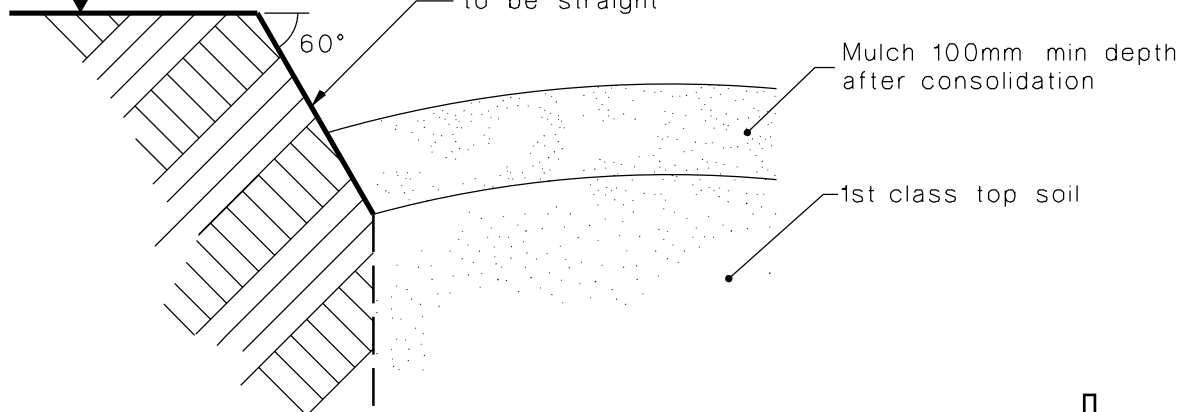
Adjacent grassed
ground Level



BATTEN EDGE

Adjacent grassed
ground Level

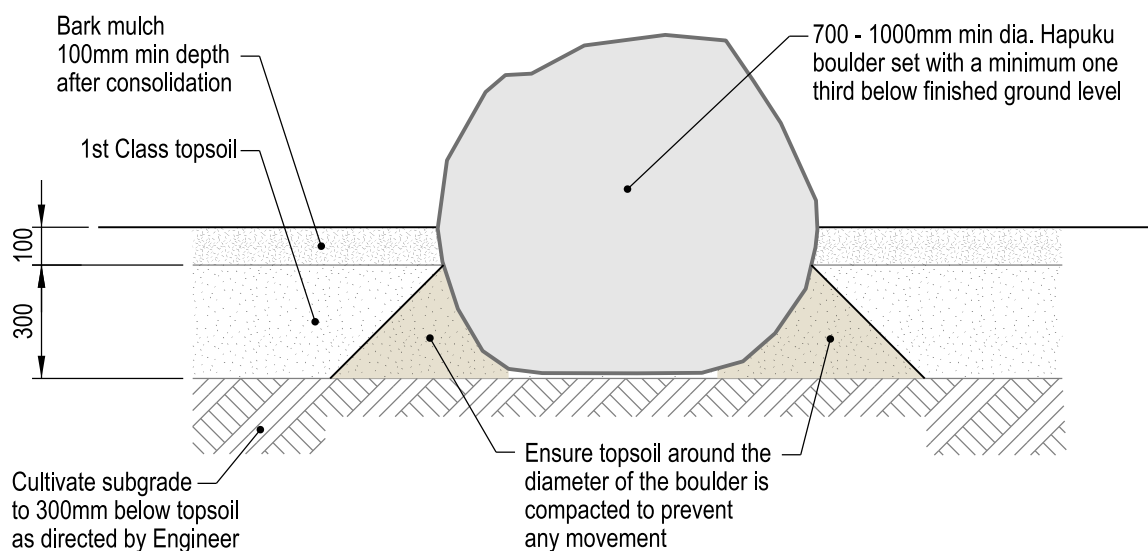
Smooth cut face
top edge line
to be straight

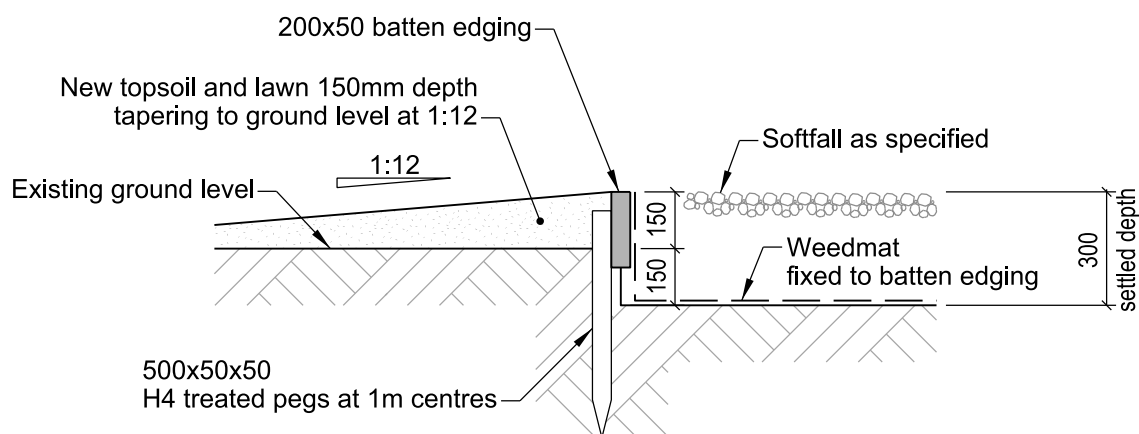


CUT EDGE TO PLANT BED ADJACENT TO LAWN OR TURF

NOTES:

Refer to SD607 and SD609 for plant bed
formation adjacent to footpath

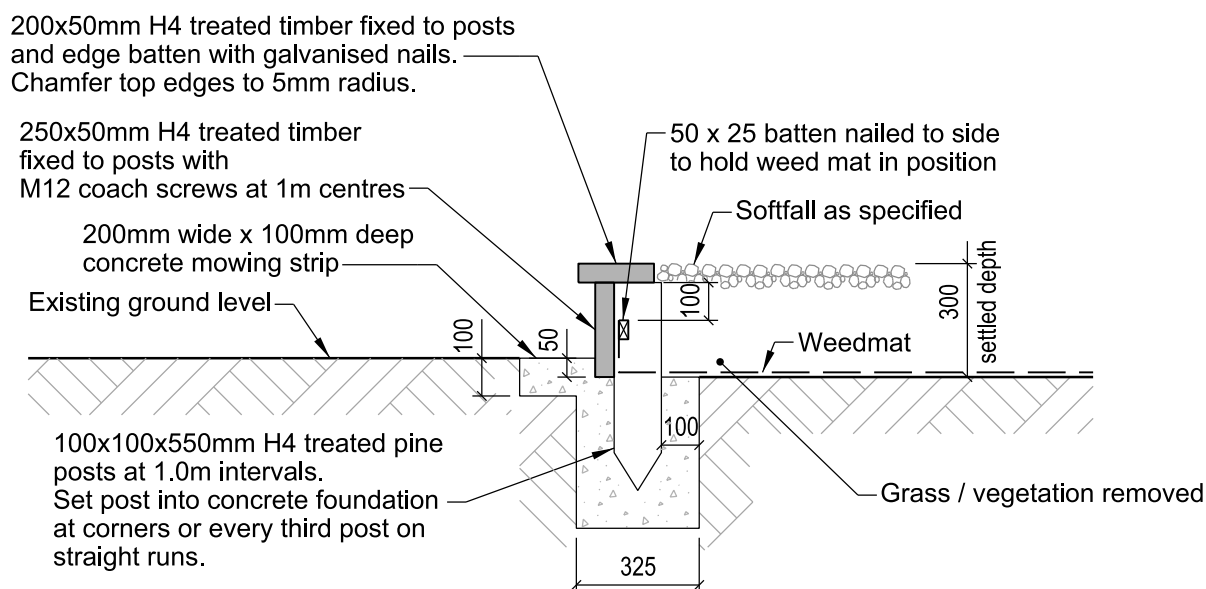




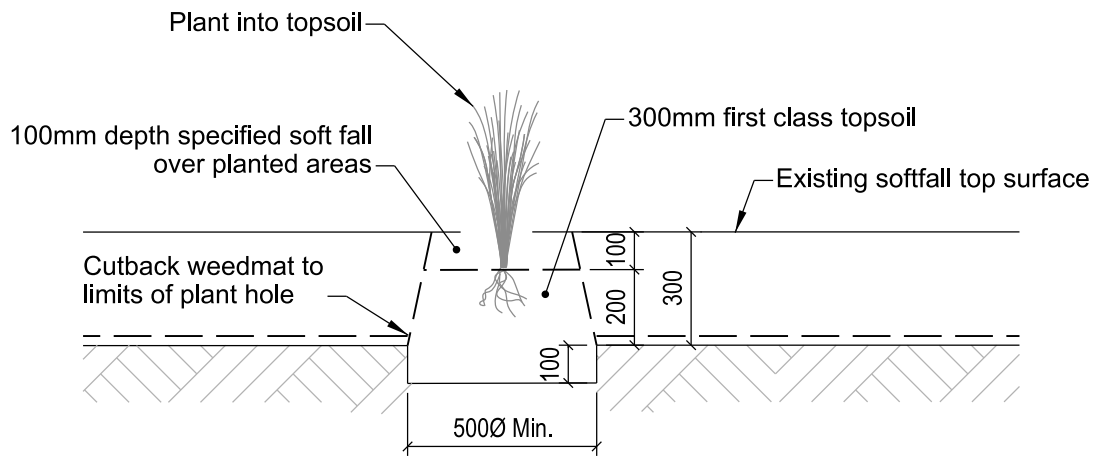
IN-GROUND RETAINING EDGE

NOTE:

- 1) Replace edging with two 200x25mm battens where required to allow for curves.
- 2) Lawn may be replaced by a plant bed.
- 3) Refer to CSS Part 1 clause 17.3 when disposing of spoil offsite.

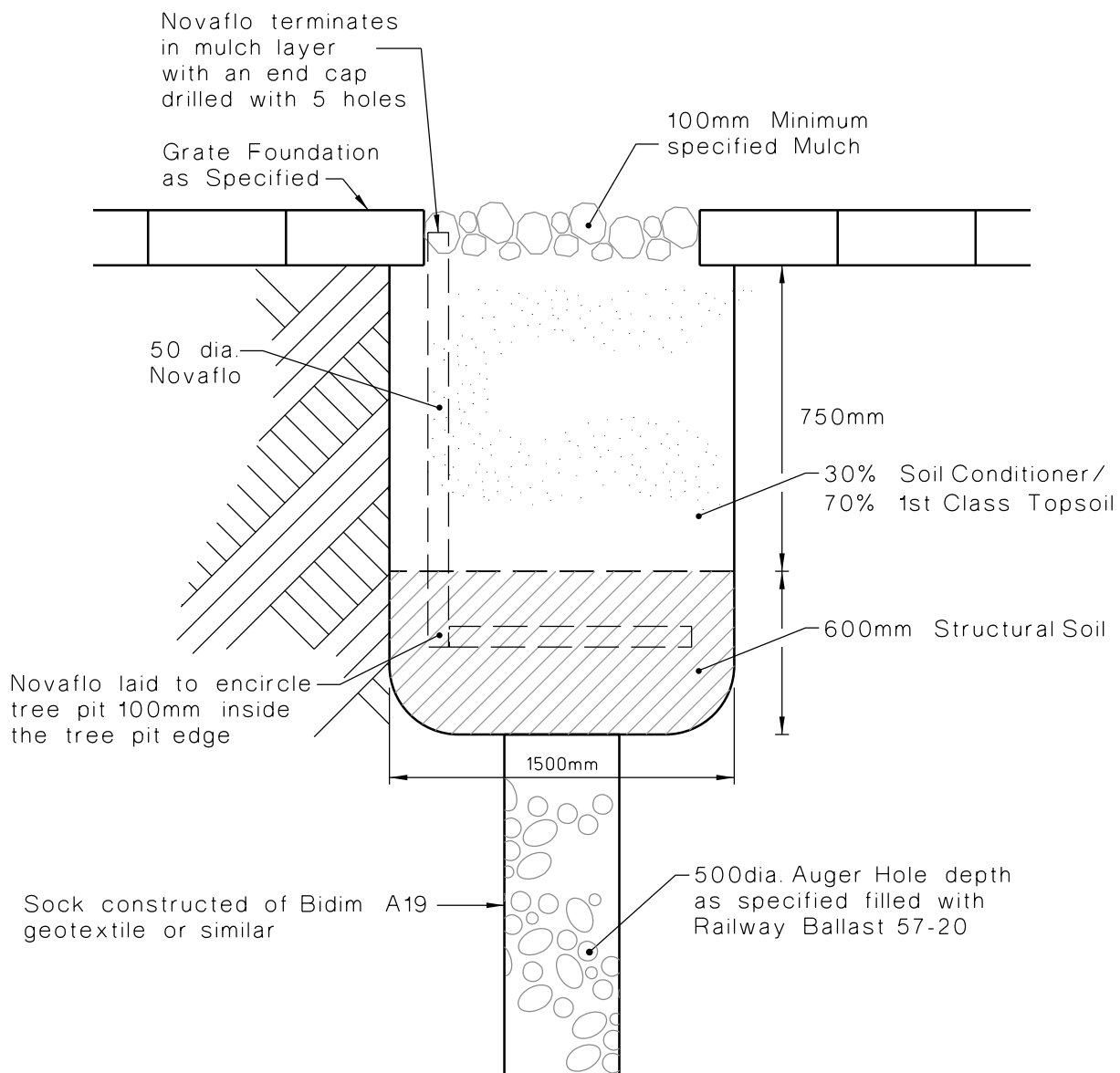


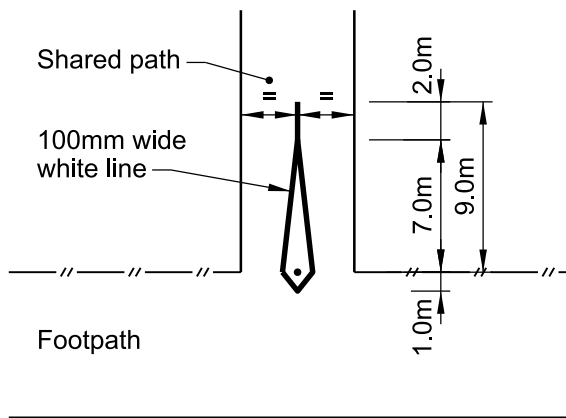
TIMBER RETAINING EDGE



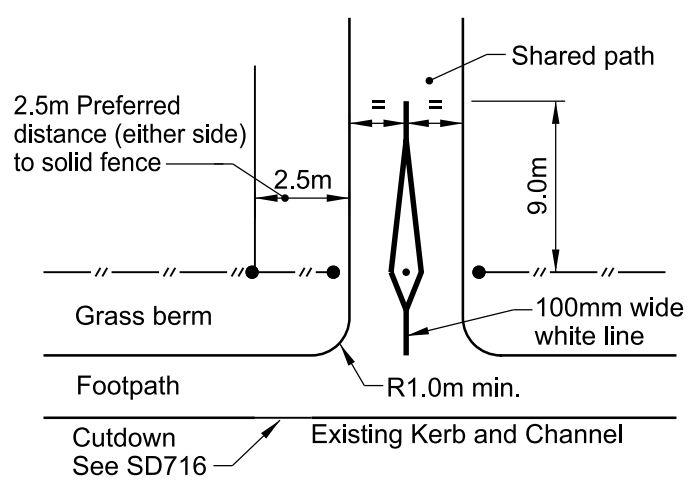
PLANTING



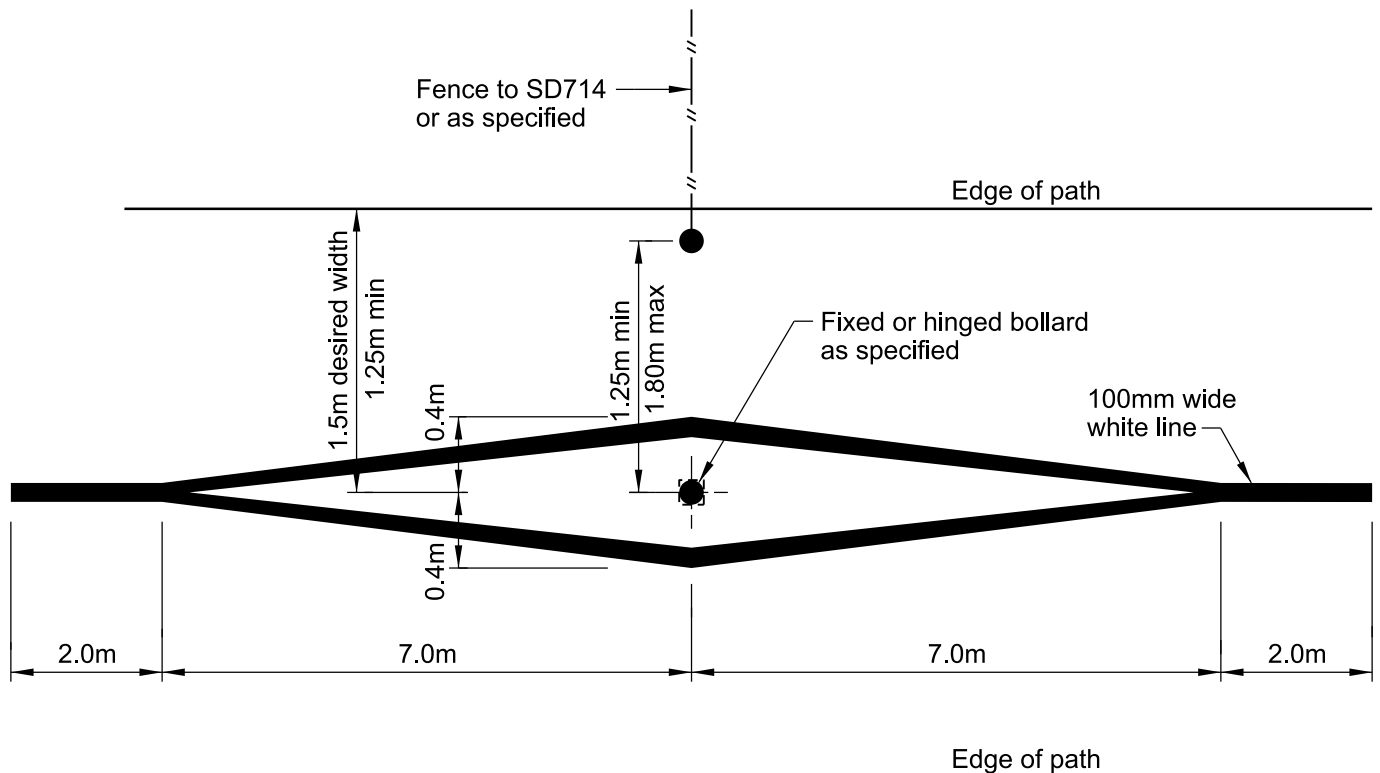




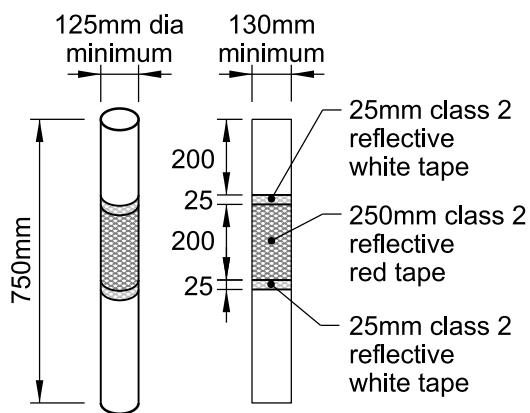
DETAIL OF FOOTPATH
ENTRANCE MARKINGS



DETAIL OF ENTRANCE
SET BACK FROM FOOTPATH



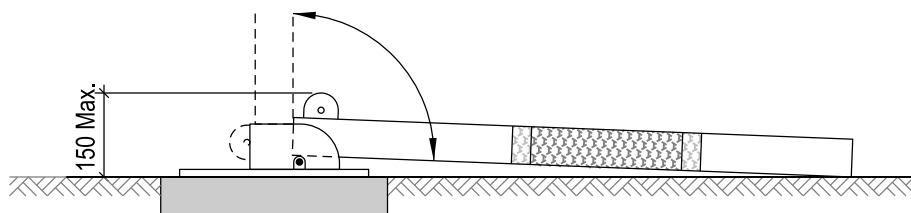
MARKINGS AND BOLLARDS LAYOUT PLAN



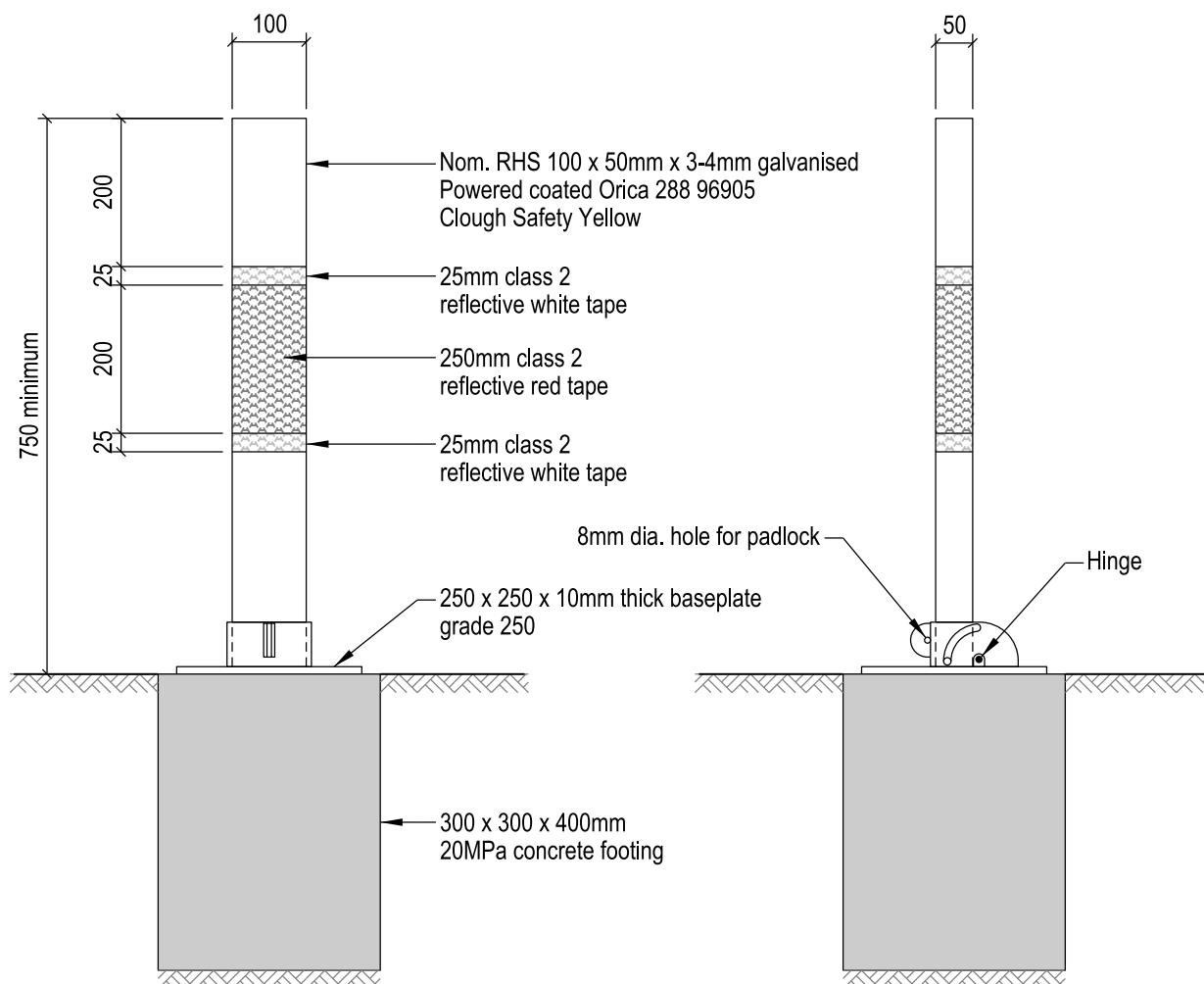
FIXED BOLLARDS

NOTES:

1. Use vandal resistant, weather resistant, low maintenance materials e.g. galv. steel, aluminium or H5 treated timber.
2. Installed to manufacturer's specifications.
3. Square bollards should be used only where signs are to be attached to the bollard.
4. Bollards colour to be specified on Sheet 2.
5. Reflective tape to face direction of approach travel.
6. Specify hinged bollard if required for service or emergency vehicles.



FOLDED DETAIL

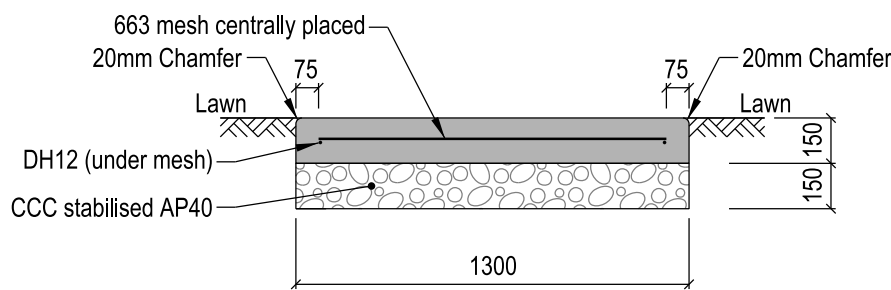
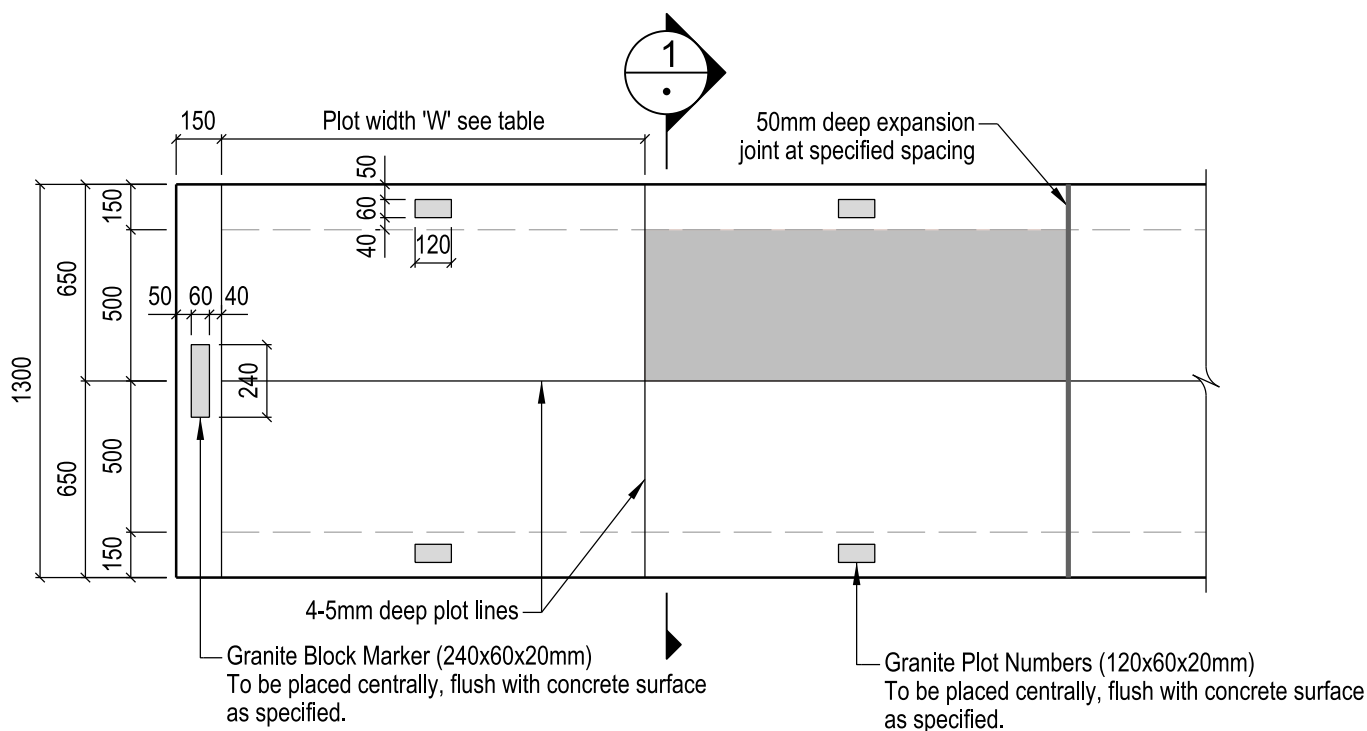


FRONT ELEVATION

SIDE ELEVATION

NOTES:

1. Fix baseplate to concrete footing with 4 x M16 ChemSet Anchors or similar.
2. Direction of hinge to be specified.



SECTION 1

NOTES:

1. All formwork is to be removed.
2. Granite plot numbers and block markers will be supplied by Council.

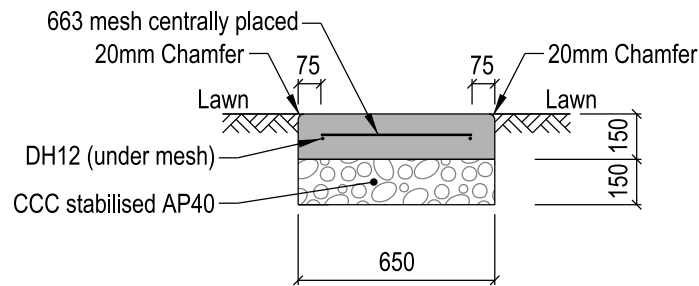
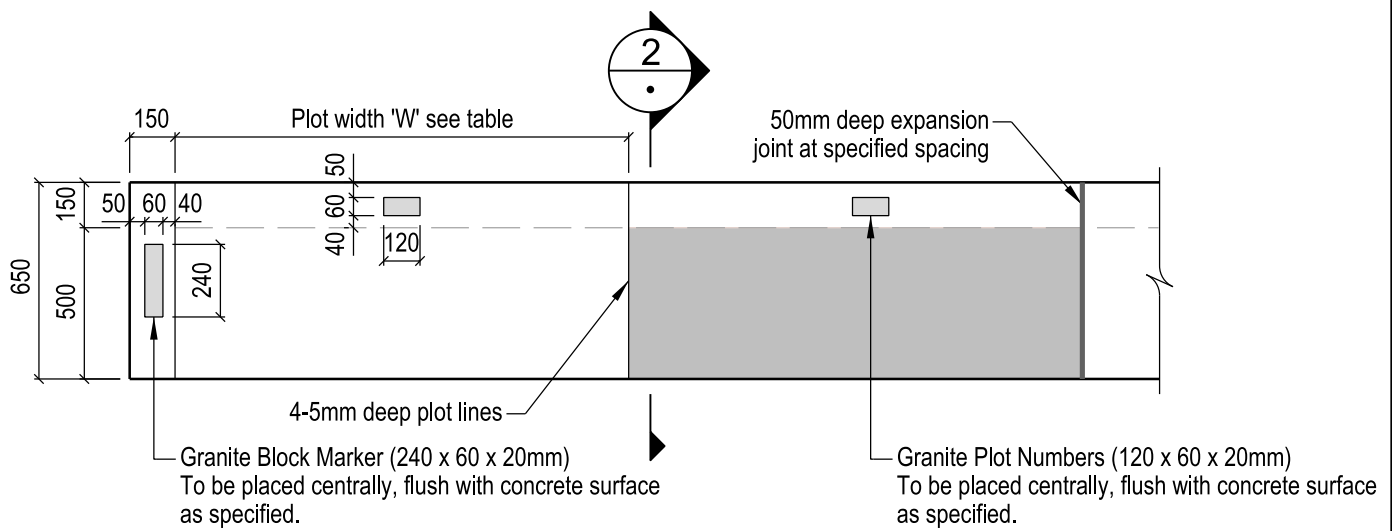
Concrete

3. All concrete work is to comply with the provisions of NZS 3109 and related documents.
4. Concrete strength to be 20Mpa (28 days).
5. All construction joints shall be type 'B' unless specified otherwise.
6. Even concrete textured roller finish to entire beam surface.
7. Concrete edging tool to be used on all edges.
8. Expansion joints to be 50mm deep and made in a straight line using a concrete (diamond) cutting blade.
9. All other plot lines are to be 4-5mm deep and made in a straight line using a concrete (diamond) cutting blade.

Reinforcing

10. All reinforcing shall be in accordance with NZS 3109 and related documents.
11. Cover to reinforcing to be 50mm unless otherwise shown.
12. Laps in reinforcing to be 300mm

Plot Type	Width	Expansion Joint Spacing
Full plot	1.4m	2.8m (every 2 plots)
Ash plot	0.6m	2.4m (every 4 plots)
Infant or quarter plot	0.6m	2.4m (every 4 plots)



SECTION 2

NOTES:

1. All formwork is to be removed.
2. Granite plot numbers and block markers will be supplied by Council.

Concrete

3. All concrete work is to comply with the provisions of NZS 3109 and related documents.
4. Concrete strength to be 20Mpa (28 days).
5. All construction joints shall be type 'B' unless specified otherwise.
6. Even concrete textured roller finish to entire beam surface.
7. Concrete edging tool to be used on all edges.
8. Expansion joints to be 50mm deep and made in a straight line using a concrete (diamond) cutting blade.
9. All other plot lines are to be 4-5mm deep and made in a straight line using a concrete (diamond) cutting blade.

Reinforcing

10. All reinforcing shall be in accordance with NZS 3109 and related documents.
11. Cover to reinforcing to be 50mm unless otherwise shown.
12. Laps in reinforcing to be 300mm

Plot Type	Width	Expansion Joint Spacing
Full plot	1.5m	3.0m (every 2 plots)
Quarter plot	0.75m	3.0m (every 4 plots)