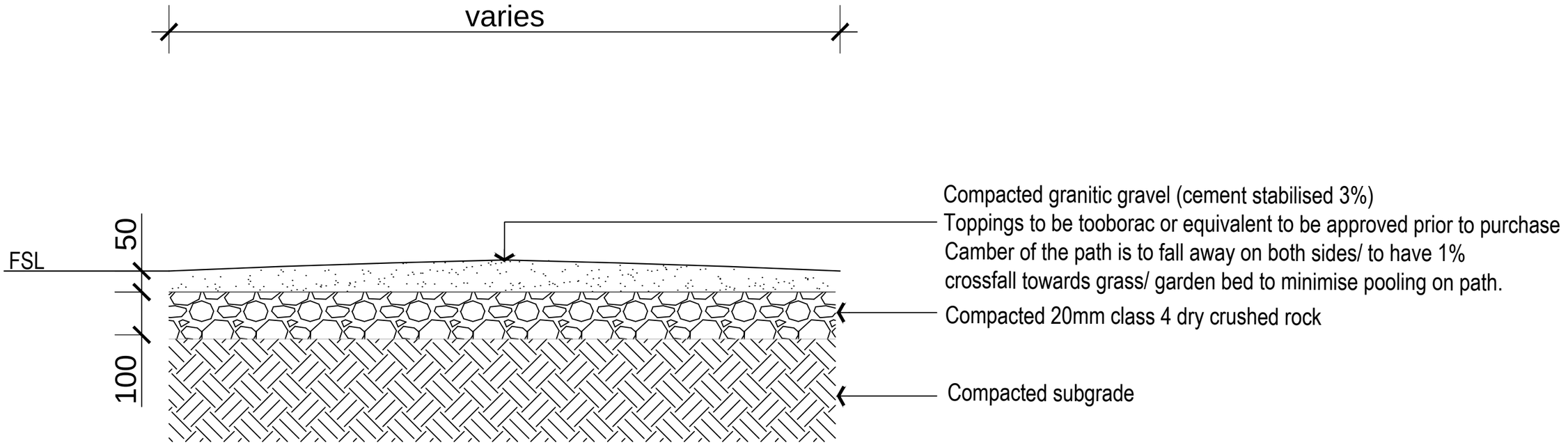


*NOTE:
In most situations, the gravel / granitic path should not be edged as this creates long term maintenance issues. Council approval must be obtained in the situations edging is desired.

GREATER DANDENONG

GRANITIC SAND PATH

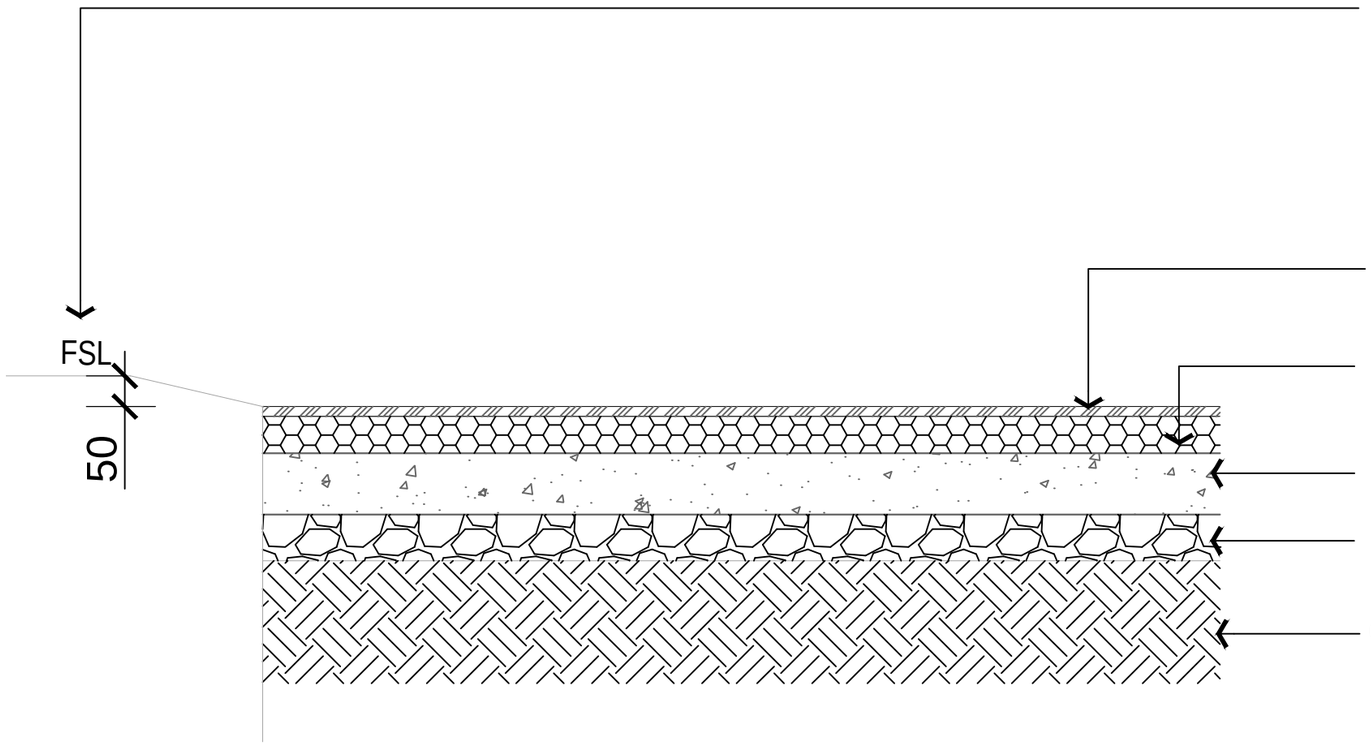
LAST UPDATED - SEPTEMBER 2022

SCALE 1: 10 @ A3

INFRASTRUCTURE PLANNING

SD901

SHEET 1 of 1



Where rubber abuts concrete edge beam - FSL of rubber to sit flush.
All other scenarios where rubber is installed to wear areas, the FSL of the rubber to sit 50mm below FSL of mulch

Variable top layer of EPDM, colour as specified impact absorbing wet pour synthetic surface to meet relevant standard and as per manufacture's specification.

base layer of SBR impact absorbing wet pour synthetic surface as per manufacture's specification.

100mm thickness 32 MPa concrete with fibremesh 300 integrally mixed

min 75mm depth crushed rock approved bedding

compacted subgrade

*NOTE:
Rubber thickness is dependant on fall heights

In situations where rubberised surfaces are approved in the landscape plans, the rubberised impact attenuating surfaces must conform with AS4685. Testing and certification by an independent rubber auditor to be provided prior to Practical Completion.

In sections where rubberised sections are close to overlapping, they should be joined to reduce trip points. Rubberised surfaces are to be installed by a single pour (top coat) to avoid the creation of seams which are prone to damage and lifting.

Avoid colour variation joins within a couple of metres of proximity to sandpits as sand will work into rubber fibre and cause seem joints to swell, lift and split apart creating trip hazards and maintenance issues.

GREATER DANDENONG

RUBBER IMPACT ATTENUATION UNDER-SURFACING

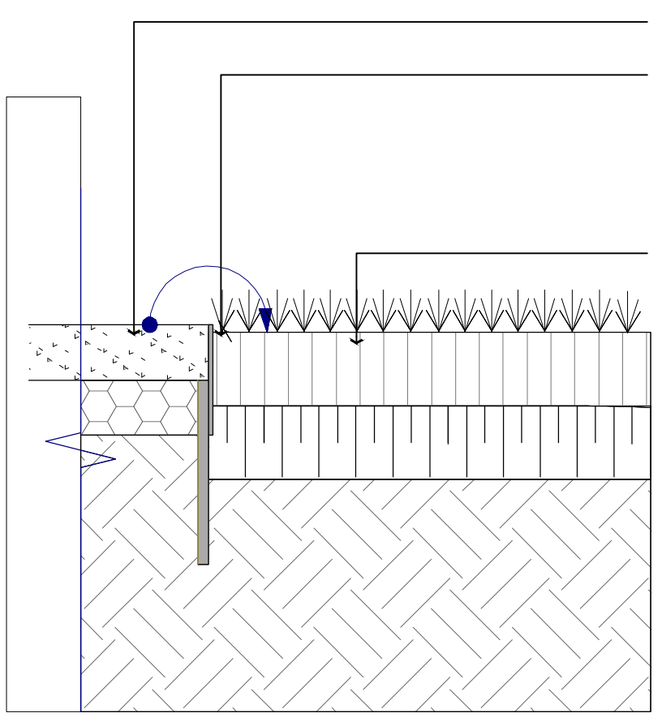
LAST UPDATED - SEPTEMBER 2022

SCALE 1: 10 @ A3

INFRASTRUCTURE PLANNING

SD902

SHEET 1 of 1



Concrete path

Stainless steel edging
Dimensions: MIN. H150mm top flush with adjacent surface.
Product: Formboss 100mm height, 2.0mm thick, galvanised steel edge with 300mm tapered steel stakes

Turf or garden bed

NOTE:
Adjacent surfaces may differ. Refer to general arrangement plans for further information

GREATER DANDENONG

LAWN/ GARDEN BED STEEL EDGE

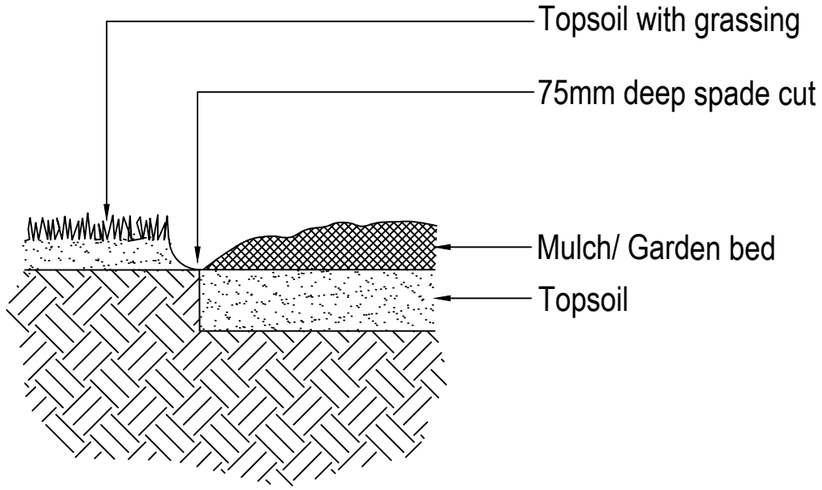
LAST UPDATED - SEPTEMBER 2022

SCALE 1: 10 @ A3

INFRASTRUCTURE PLANNING

SD903

SHEET 1 of 1



GREATER DANDENONG

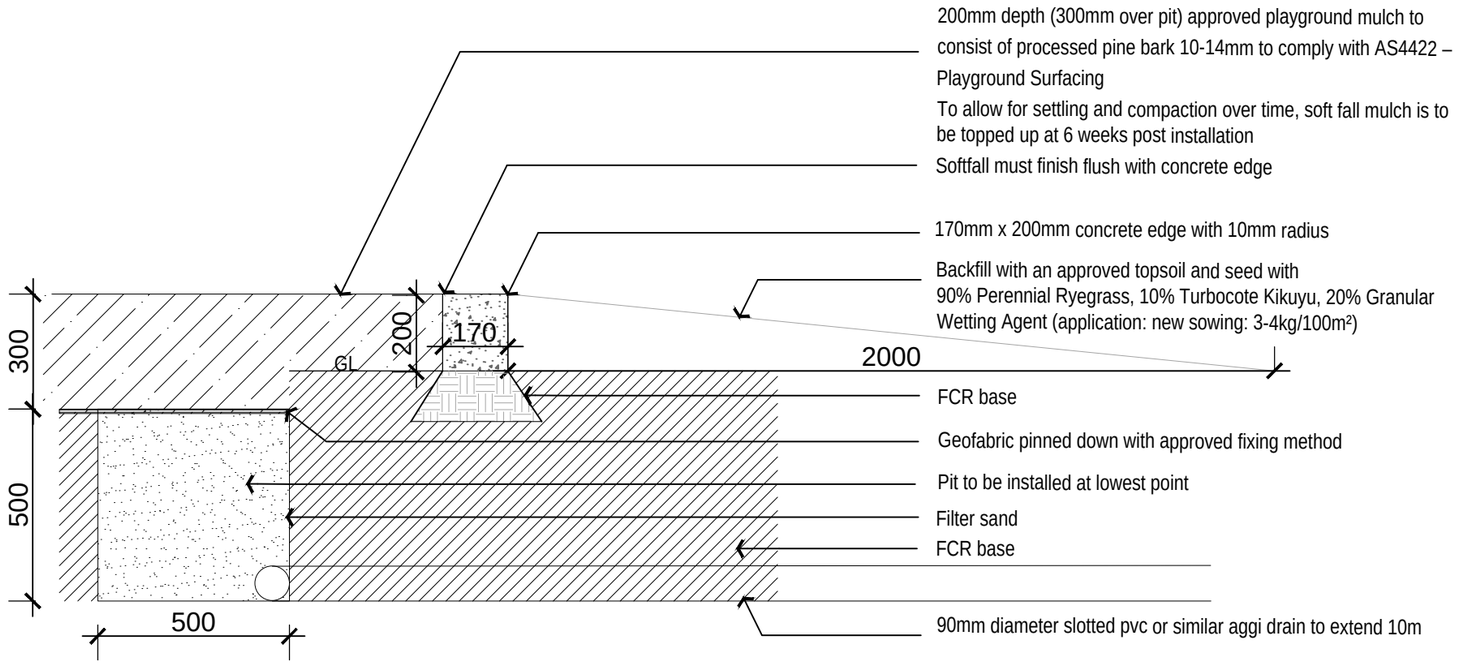
LAWN/ GARDEN BED SPADE EDGE

LAST UPDATED - SEPTEMBER 2022

INFRASTRUCTURE PLANNING

SD904

SHEET
1 of 1



200mm depth (300mm over pit) approved playground mulch to consist of processed pine bark 10-14mm to comply with AS4422 – Playground Surfacing

To allow for settling and compaction over time, soft fall mulch is to be topped up at 6 weeks post installation

Softfall must finish flush with concrete edge

170mm x 200mm concrete edge with 10mm radius

Backfill with an approved topsoil and seed with 90% Perennial Ryegrass, 10% Turbocote Kikuyu, 20% Granular Wetting Agent (application: new sowing: 3-4kg/100m²)

FCR base

Geofabric pinned down with approved fixing method

Pit to be installed at lowest point

Filter sand

FCR base

90mm diameter slotted pvc or similar aggi drain to extend 10m

*NOTE:
Excavation for soft fall drainage is to be 300mm deep with grading to allow for drainage. The graded surface is to be directed to 90mm diameter slotted AG drainage pipe, connected to the storm water system where possible. Drainage sock to cover all pipes.

It is the responsibility of the Site Superintendent to inspect drainage at the time of construction and sign off prior to soft fall installation. As built drainage plans are to be provided to Council prior to Practical Completion.

Adjacent surfaces may differ. Refer to general arrangement plans for further information

GREATER DANDENONG

PLAYGROUND/ PATH CONCRETE EDGE BEAM

LAST UPDATED - SEPTEMBER 2022

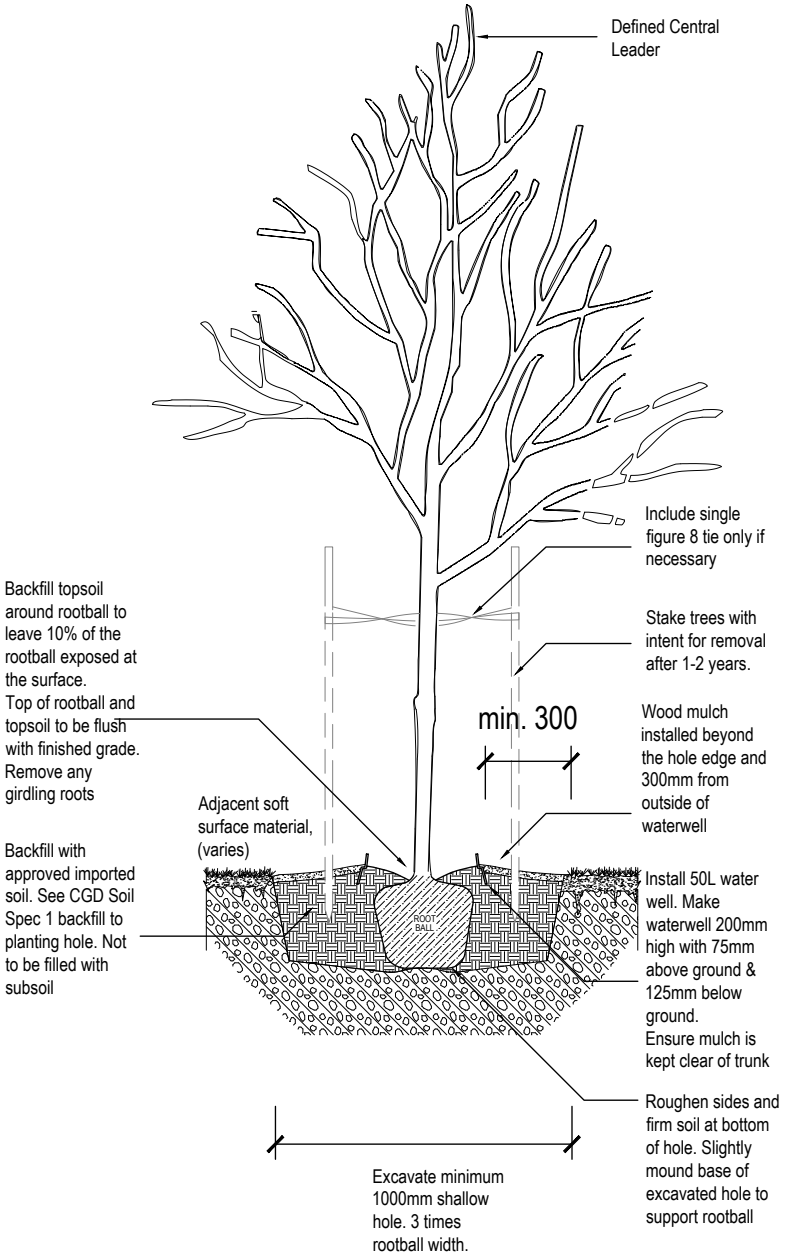
SCALE 1: 16 @ A3

INFRASTRUCTURE PLANNING

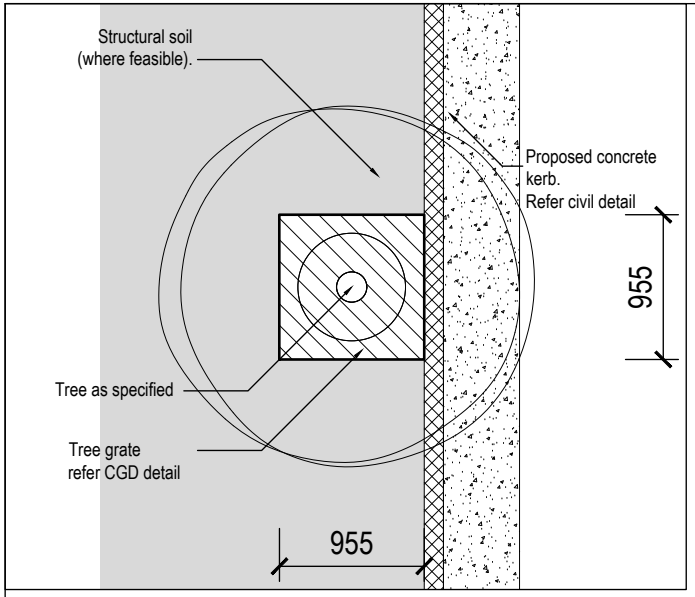
SD905

SHEET 1 of 1

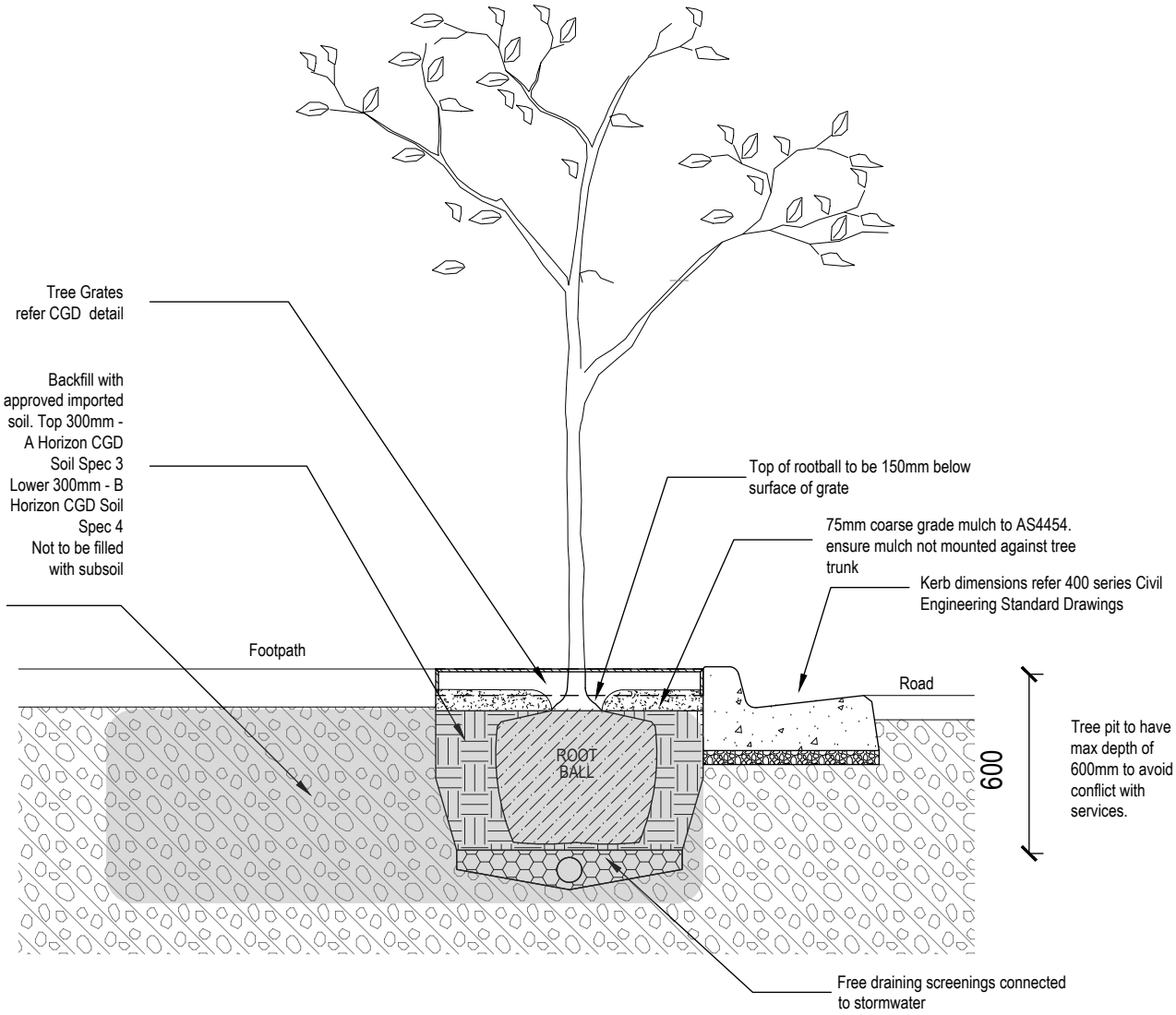
- Tree as specified refer to planting plans. Recommended sizing in 45L pots.
- Ensure tree is healthy and free of pests and disease.
- Refer AS2303:2018 Tree stock for landscape use



	GREATER DANDENONG	LAST UPDATED - NOVEMBER 2022
		SCALE 1:50 @ A4
	TREE IN LAWN DETAIL	INFRASTRUCTURE PLANNING
		SD906



Supply & install structural soil to CGD specification to back of kerb where feasible. Provide minimum 15m^3 structural soil per tree. Compact prior to excavating tree pit



NOTES:

- Tree as specified refer to planting plans. Recommended sizing in 45L pots.
- Ensure tree is healthy and free of pests and disease.
- Refer AS2303:2018 Tree stock for landscape use

GREATER DANDENONG

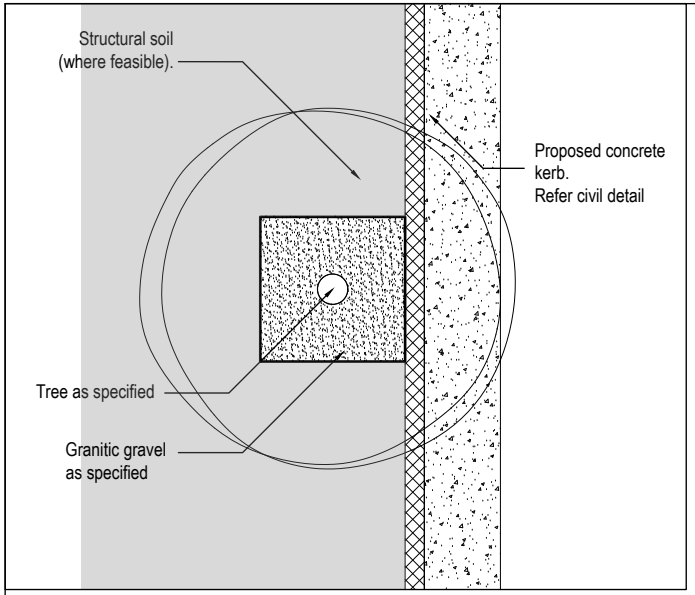
TREE IN HARDSTAND. GRATE TO BACK OF KERB

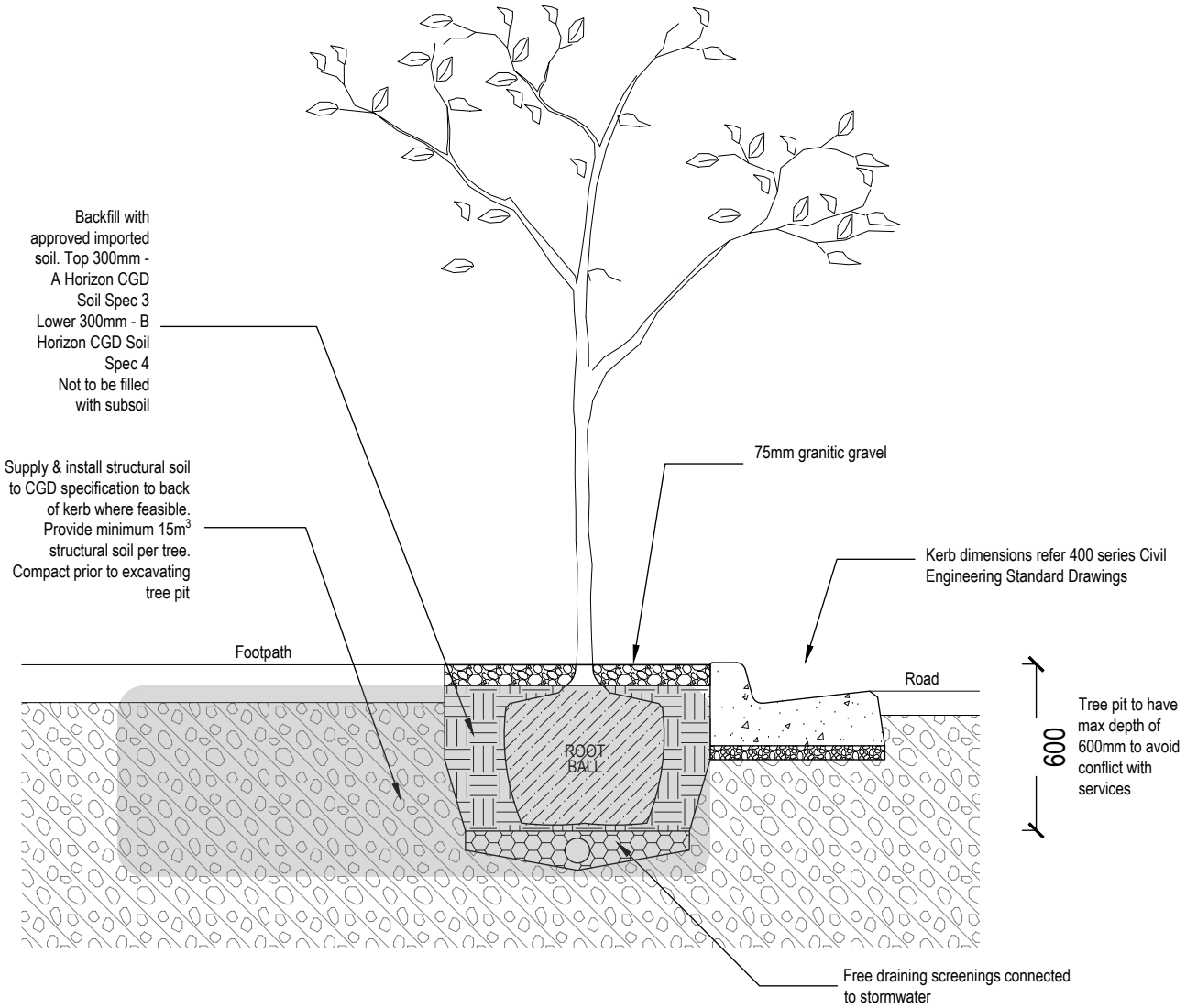
LAST UPDATED - NOVEMBER 2022

SCALE 1:25, 1:50 @ A4

INFRASTRUCTURE PLANNING

SD907





NOTES:

- Tree as specified refer to planting plans. Recommended sizing in 45L pots.
- Ensure tree is healthy and free of pests and disease.
- Refer AS2303:2018 Tree stock for landscape use

GREATER DANDENONG

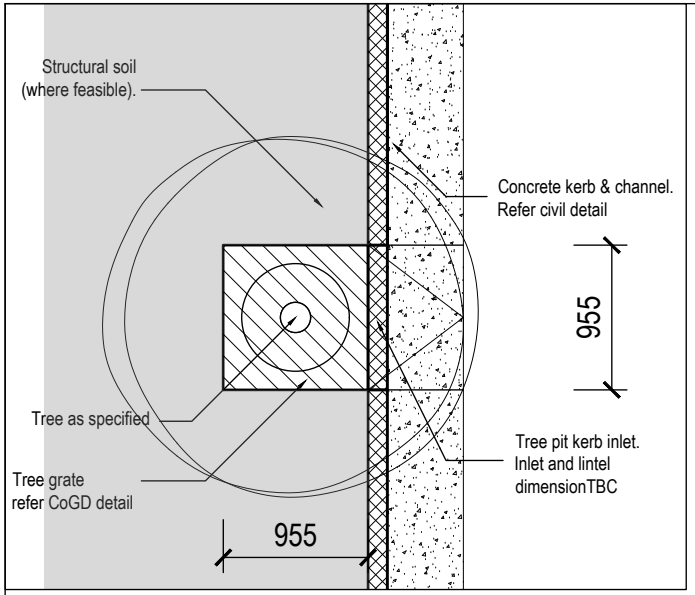
TREE IN HARDSTAND. GRAVEL TO BACK OF KERB

LAST UPDATED - NOVEMBER 2022

SCALE 1:25, 1:50 @ A4

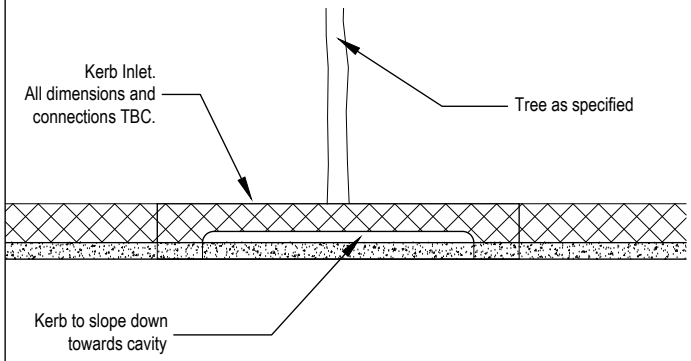
INFRASTRUCTURE PLANNING

SD908

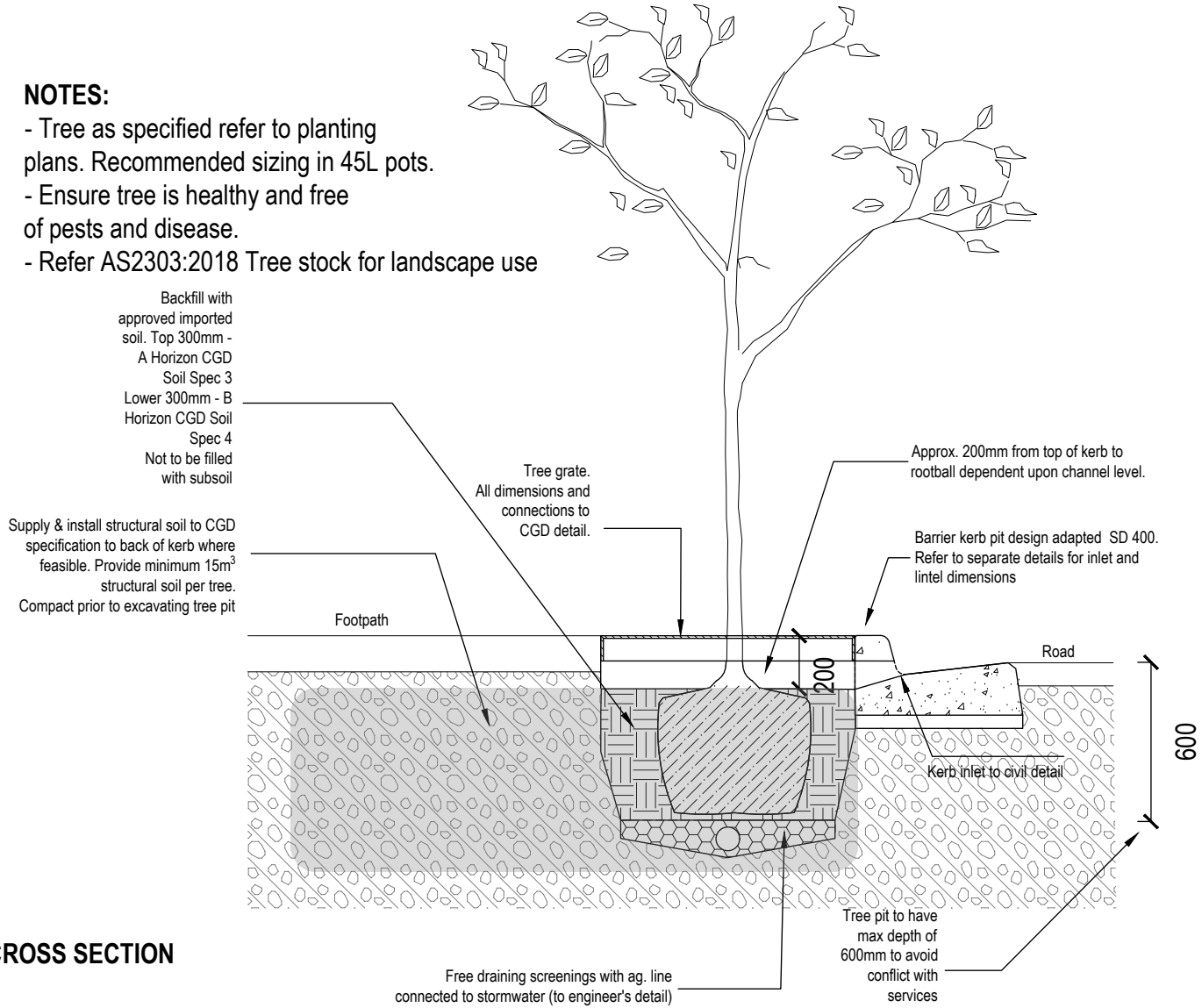


NOTES:

- Tree as specified refer to planting plans. Recommended sizing in 45L pots.
- Ensure tree is healthy and free of pests and disease.
- Refer AS2303:2018 Tree stock for landscape use



FRONT ELEVATION



CROSS SECTION

GREATER DANDENONG

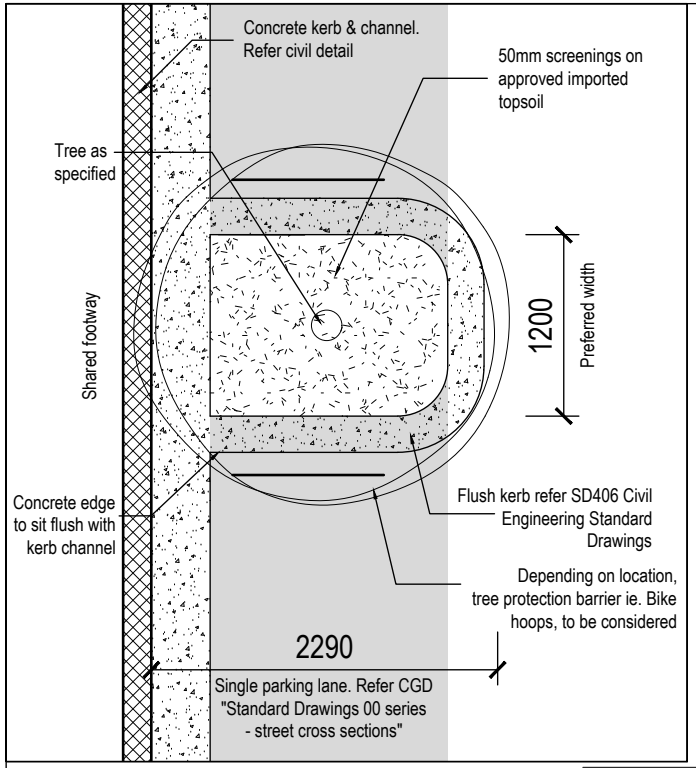
TREE IN HARDSTAND. GRATE WITH KERB INLET

LAST UPDATED - NOVEMBER 2022

SCALE 1:25, 1:50 @ A4

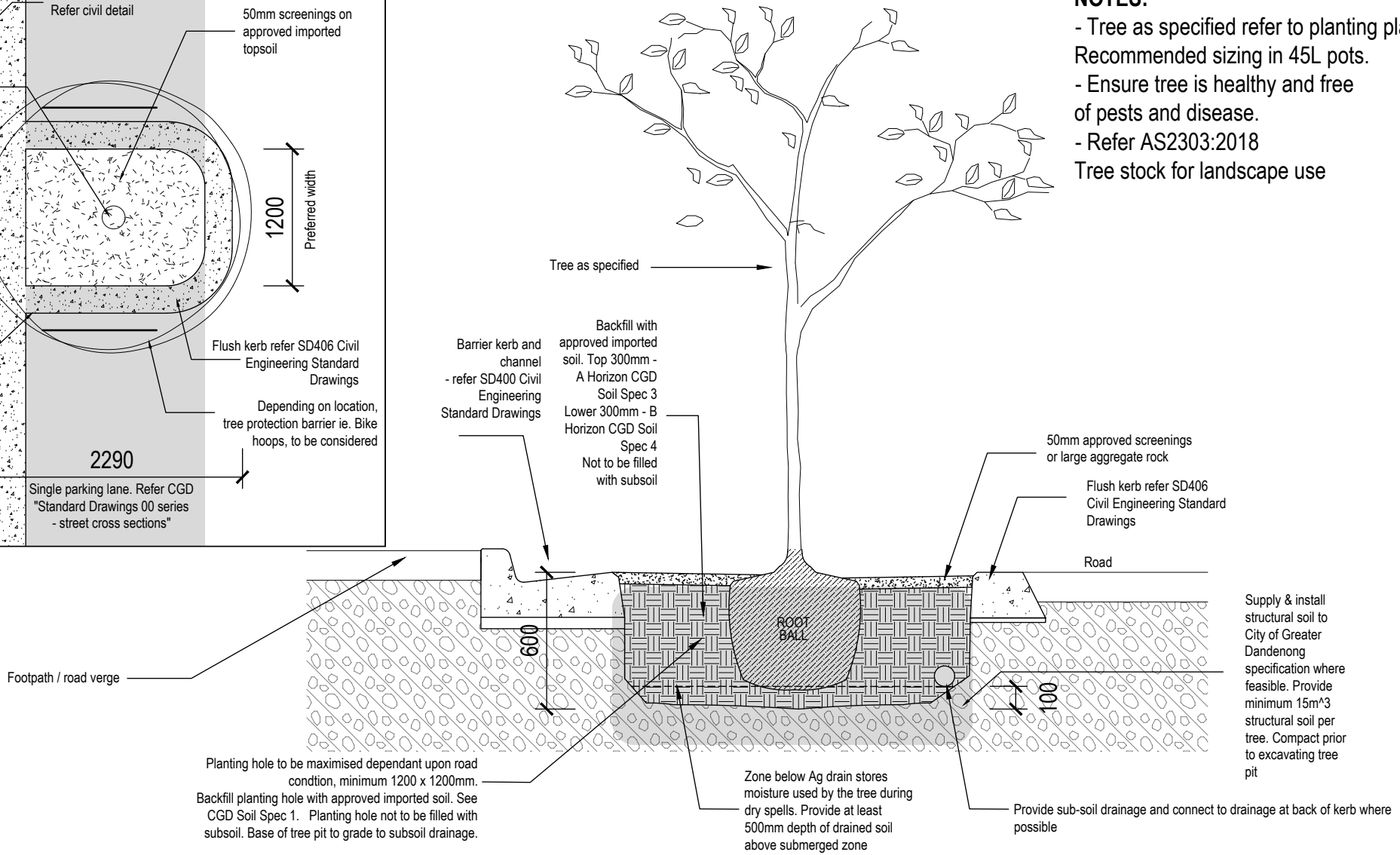
INFRASTRUCTURE PLANNING

SD909



NOTES:

- Tree as specified refer to planting plans. Recommended sizing in 45L pots.
- Ensure tree is healthy and free of pests and disease.
- Refer AS2303:2018 Tree stock for landscape use



GREATER DANDENONG

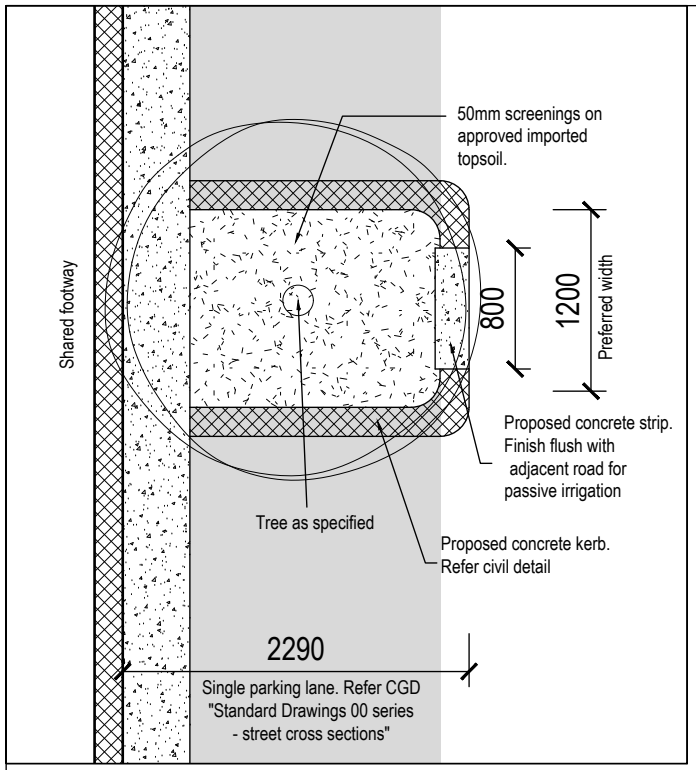
TREE IN ROAD CUTOUT-
FLUSH WITH ROAD PAVEMENT, NO KERB

LAST UPDATED - NOVEMBER 2022

SCALE 1:25, 1:50 @ A4

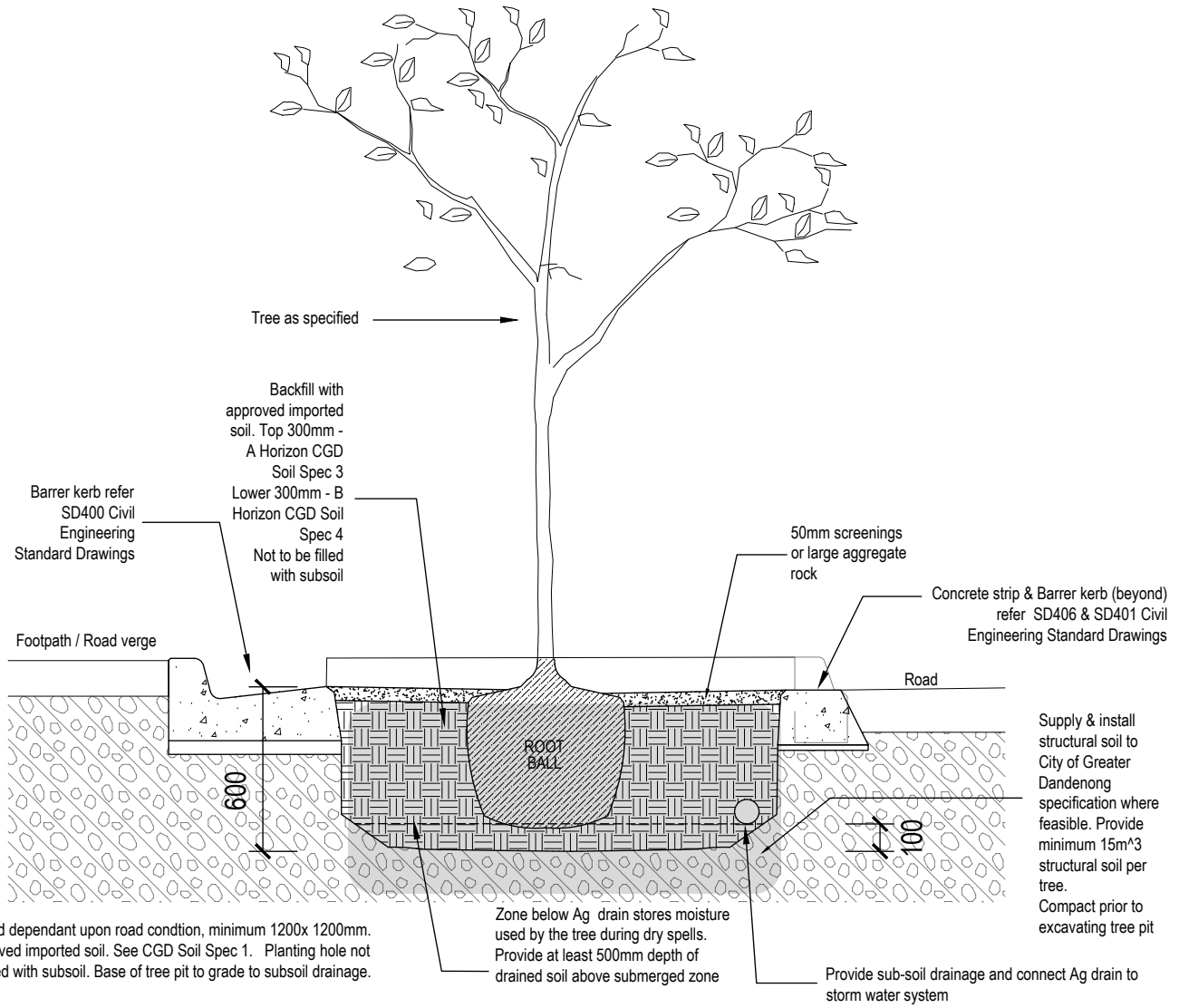
INFRASTRUCTURE PLANNING

SD910



NOTES:

- Tree as specified refer to planting plans. Recommended sizing in 45L pots.
- Ensure tree is healthy and free of pests and disease.
- Refer AS2303:2018 Tree stock for landscape use



GREATER DANDENONG

TREE IN ROAD CUTOUT - FLUSH WITH ROAD PAVEMENT, BROKEN KERB.

LAST UPDATED - NOVEMBER 2022

SCALE 1:25, 1:50 @ A4

INFRASTRUCTURE PLANNING

SD911

Table 1 Specification 1 (General Mass Plantings, low value) - Physical Properties

Property	Units	Target range
Texture, preferred range [1]	n/a	Sandy loam to clay loam
Organic matter [2]	% dwb	2-5

Table 2 Specification 1 (General Mass Plantings, low value) - Chemical Properties

Property	Units	Target range
pH in water (1:5) standard range [6]	pH units	5.4–6.8
pH in $CaCl_2$ (1:5) standard range [6]	pH units	5.2–6.5
Electrical conductivity (1:5) [6]	dS/m	< 0.5
Phosphorus – P-sensitive plants. Acid soils method [6]	mg/kg	< 30
Phosphorus – P-Tolerant plants. Acid soils method [6]	mg/kg	30-100
Exchangeable sodium (Na) [6]	% of ECEC	< 7%
Exchangeable potassium (K) [6]	% of ECEC	3–10%
Exchangeable calcium (Ca) [6]	% of ECEC	60–80
Exchangeable magnesium (Mg) [6]	% of ECEC	15–25
Exchangeable aluminium (Al) [6]	% of ECEC	< 5
Available N (ammonium-N + nitrate-N) [6]	mg/kg	> 20

Table 3 Specification 2 (General Mass Plantings, high value) - Physical Properties

Property	Units	Target range
Texture, preferred range [1]	n/a	Sandy loam to clay loam
Organic matter [2]	% dwb	3-6

Table 4 Specification 2 (General Mass Plantings, high value) - Chemical Properties

Property	Units	Target range
pH in water (1:5) standard range [6]	pH units	5.4–6.8
pH in $CaCl_2$ (1:5) standard range [6]	pH units	5.2–6.5
Electrical conductivity (1:5) [6]	dS/m	< 0.65
Phosphorus – P-sensitive plants. Acid soils method [6]	mg/kg	< 30
Phosphorus – P-Tolerant plants. Acid soils method [6]	mg/kg	30-60
Exchangeable sodium (Na) [6]	% of ECEC	< 7%
Exchangeable potassium (K) [6]	% of ECEC	5–10%
Exchangeable calcium (Ca) [6]	% of ECEC	60–80
Exchangeable magnesium (Mg) [6]	% of ECEC	15–25
Exchangeable aluminium (Al) [6]	% of ECEC	< 2
Available N (ammonium-N + nitrate-N) [6]	mg/kg	> 25

Table 5 Specification 3 (Tree Pits A-horizon top 300mm) - Physical Properties

Property	Units	Target range
Texture, preferred range [1]	n/a	Sandy loam to clay loam
Organic matter [2]	% dwb	15-25
Permeability (@ 16 drops by McIntyre Jakobsen) [3]	mm/h	> 30

Table 6 Specification 3 (Tree Pits A-horizon top 300mm) – Chemical Properties

Property	Units	Target range
pH in water (1:5) standard range [6]	pH units	5.4–6.8
pH in $CaCl_2$ (1:5) standard range [6]	pH units	5.2–6.5
Electrical conductivity (1:5) [6]	dS/m	< 0.65
Phosphorus – P-sensitive plants. Acid soils method [6]	mg/kg	< 30
Phosphorus – P-Tolerant plants. Acid soils method [6]	Mg/kg	50-150
Exchangeable sodium (Na) [6]	% of ECEC	< 7%
Exchangeable potassium (K) [6]	% of ECEC	5–10%
Exchangeable calcium (Ca) [6]	% of ECEC	60–80
Exchangeable magnesium (Mg) [6]	% of CEC	15–25
Exchangeable Ca/Mg ratio [6]	ratio	3–9
Available N (ammonium-N + nitrate-N) [6]	mg/kg	> 30

Table 7 Specification 4 (Tree Pits B-horizon below 300mm) - Physical Properties

Property	Units	Target range
Texture, preferred range [1]	n/a	Loamy sand to sandy loam
Organic matter [2]	% dwb	< 3
Permeability (@ 16 drops by McIntyre Jakobsen) [3]	mm/h	> 50

Table 8 Specification 4 (Tree Pits B-horizon below 300mm) – Chemical Properties

Property	Units	Target range
pH in water (1:5) standard range [6]	pH units	5.4–6.8
pH in $CaCl_2$ (1:5) standard range [6]	pH units	5.2–6.5
Electrical conductivity (1:5) [6]	dS/m	< 0.5
Phosphorus – P-sensitive plants. Acid soils method [6]	mg/kg	< 30
Phosphorus – P-Tolerant plants. Acid soils method [6]	Mg/kg	30-80
Exchangeable sodium (Na) [6]	% of ECEC	< 7%
Exchangeable potassium (K) [6]	% of ECEC	3–10%
Exchangeable calcium (Ca) [6]	% of ECEC	60–80
Exchangeable magnesium (Mg) [6]	% of ECEC	15–25
Exchangeable Ca/Mg ratio [6]	ratio	3–9

Table 9 Specification 5 (Structural soil) - Physical Properties - Filler Soil Component

Property	Units	Target range
Texture, preferred range [1]	n/a	Loam to clay loam
Organic matter [2]	% dwb	3-8

Table 10 Specification 5 (Structural soil) - Chemical Properties - Filler Soil Component

Property	Units	Target range
pH in water (1:5) standard range [6]	pH units	5.4–6.8
pH in $CaCl_2$ (1:5) standard range [6]	pH units	5.2–6.5
Electrical conductivity (1:5) [6]	dS/m	< 0.5
Phosphorus – P-sensitive plants. Acid soils method [6]	mg/kg	< 30
Phosphorus – P-Tolerant plants. Acid soils method [6]	mg/kg	30-100
Exchangeable sodium (Na) [6]	% of ECEC	< 7%
Exchangeable potassium (K) [6]	% of ECEC	3–10%
Exchangeable calcium (Ca) [6]	% of ECEC	60–80
Exchangeable magnesium (Mg) [6]	% of CEC	15–25
Exchangeable Ca/Mg ratio [6]	ratio	3–9
Available N (ammonium-N + nitrate-N) [6]	mg/kg	> 20

Table 11 Specification 5 (Structural soil) - Physical Properties – Aggregate Component

Sieve Size[8]	Units	Target range
63.0	% Passing	100
53	% Passing	85-100
37.5	% Passing	20-65
26.5	% Passing	0-20
19.0	% Passing	0-5
13.2	% Passing	0-2
4.75	% Passing	0-1

Table 12 - Subgrade Specification 6 (Subgrade) - Physical Properties

Property	Units	Target range
Texture, preferred range [1]	n/a	Loam to clay loam
Estimated permeability	mm/hr	> 20
Organic matter [2]	% dwb	< 3

Table 13 - Subgrade Specification 6 (Subgrade) - Chemical Properties

Property	Units	Target range
pH in water (1:5) standard range [6]	pH units	5.4–6.8
pH in $CaCl_2$ (1:5) standard range [6]	pH units	5.2–6.5
Electrical conductivity (1:5) [6]	dS/m	< 0.65
Exchangeable sodium (Na) [6]	% of ECEC	< 7%
Exchangeable potassium (K) [6]	% of ECEC	5–10%
Exchangeable calcium (Ca) [6]	% of ECEC	60–80
Exchangeable magnesium (Mg) [6]	% of CEC	15–25
Exchangeable Ca/Mg ratio [6]	ratio	3–9