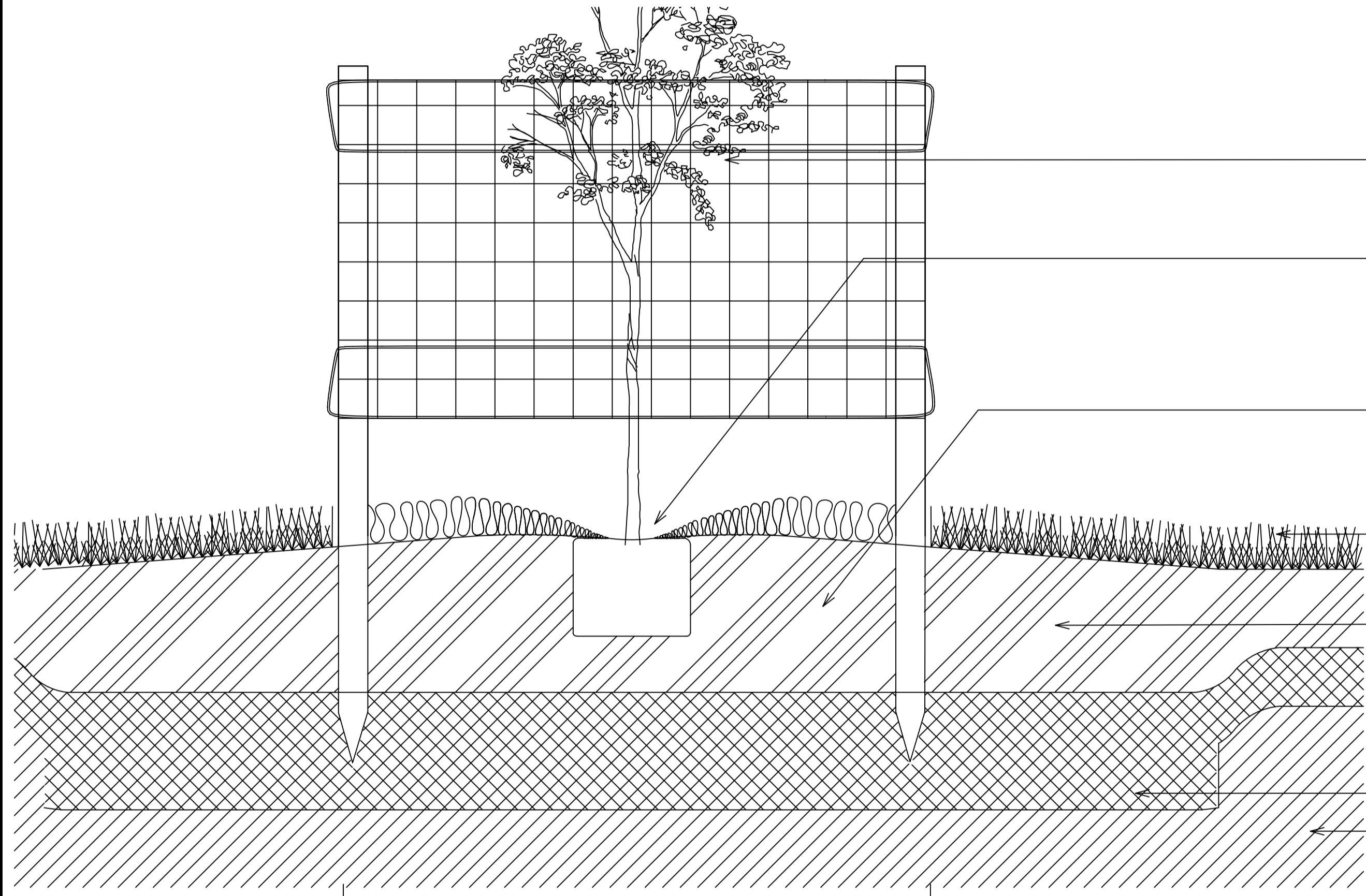


TIES:
50mm BLACK POLYTHENE TREE TIE TO SECURE TREE

TREE GUARD:
ENSURE POSTS ARE CLEAR OF ROOTBALL.
ENSURE POSTS ARE CLEAR OF ANY SERVICES.

POSTS:
MINIMUM 2 x STAR PICKET, CAPPED, OR 50x50x1800mm HW TREE STAKES
CAGE:
ARBOURGREEN WILLUNGA 1600mm STEEL MESH OR APPROVED EQUIVALENT.



TREE STOCK:
25L STOCK: 300mmDIA x 250mmH. TRUNK CALLIPER 10-15mm.
HEIGHT 1-1.5m. SPREAD APPROX 0.6m.
SPECIES AS PER STREET TREE MASTER PLAN

PLANTING:
TOP OF ROOT BALL FLUSH WITH FINAL SOIL LEVEL. FORM SHALLOW DEPRESSION.
ENSURE BASE OF TRUNK IS CLEAR OF MULCH.
TREE HOLE DIAMETER MINIMUM 3x ROOTBALL.
DIAMETER IN POOR SOILS/WIND PRONE AREAS MAY BE LARGER.
REFER NOTES.

FERTILISER:
OSMOCOTE® 8-9 MONTHS OR APPROVED EQUIVALENT BROADCAST UNDER
MULCH IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
TERRACOTTEM® OR APPROVED EQUIVALENT TO MANUFACTURERS'
RECOMMENDATIONS. NOTE: NATIVES ENSURE SLOW RELEASE NATIVE FERTILISER

MULCH:
100mm DEEP X 20mm HARDWOOD MULCH TO AS4454-2003.
MINIMUM 1500 DIA, OR EDGE OF TREE CAGE, WHICHEVER IS MORE.

TOPSOIL:
ROOT ZONE 3m DIAMETER. PLANTING BED RAISED ABOVE
ADJACENT SURFACES/LEVELS. EXISTING SOIL AREA CAN BE UTILISED
OUTSIDE TREE HOLE PROVIDED NO CONTAMINATION OF
ENGINEERED COMPACTION PRESENT. MIX WITH IMPORTED SOIL AND/OR CULTIVATE.
REFER NOTES.
SOIL MIX AS SPECIFIED IN NOTES.

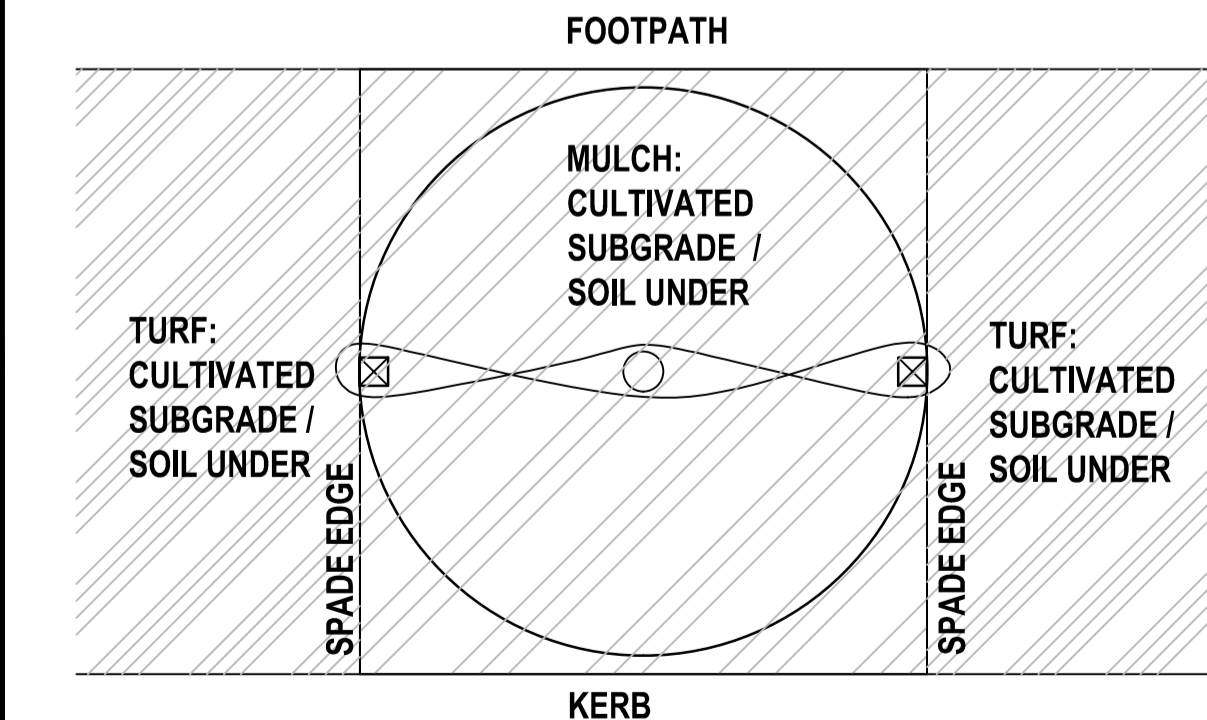
CULTIVATE SUBGRADE

SUBGRADE

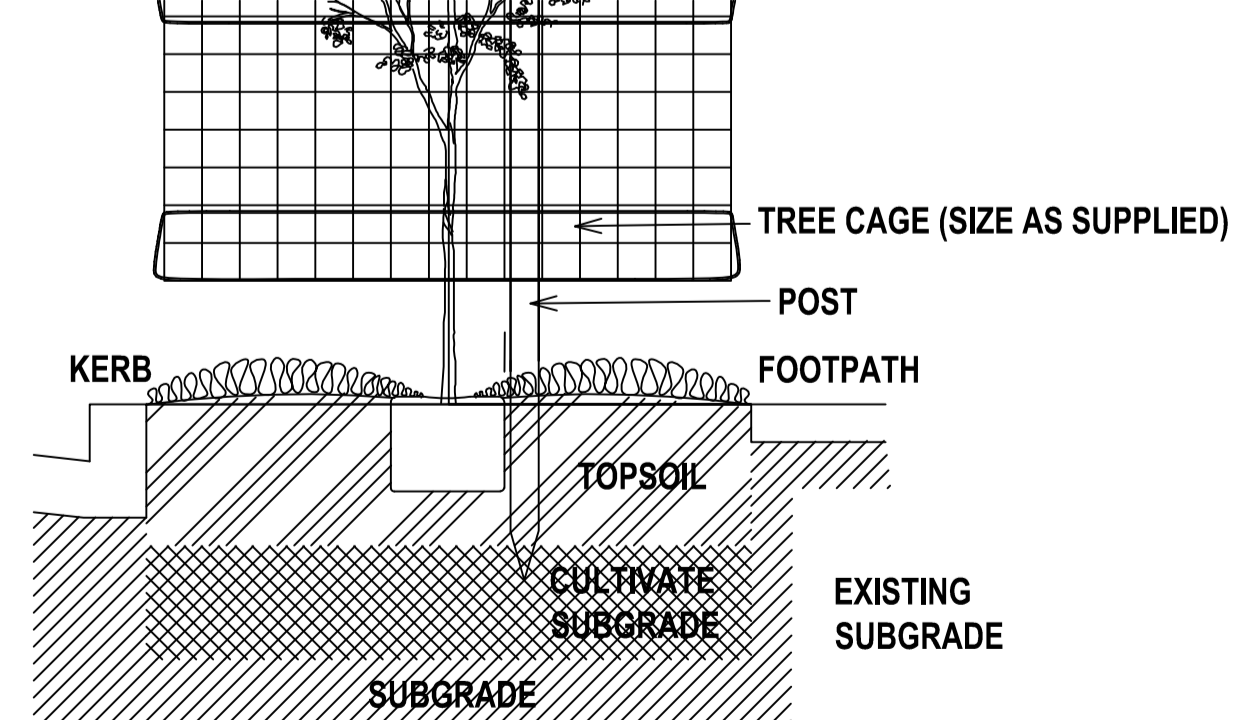
Tree hole 1.5m Dia. Tree Guard varies. Refer Tree Guard Notes

C:\s\m\c\eng\landscape\plans\0000_standard_landscape_details_and_specs\CHCC STD STREET TREE 2019.dwg

1: STREET TREE PLANTING DETAIL



2: KERB / PATH PLAN



3: PATH / KERB SECTION

PLANTING NOTES
ALL MATERIALS TO BE INSPECTED AND APPROVED BY SUPERINTENDENT PRIOR TO INSTALLATION.
MAINTENANCE PERIOD: 12 WEEKS FROM PRACTICAL COMPLETION.

1. **EXISTING TURF:**
TURF TO BE REMOVED, TOPSOIL TO BE STOCKPILED FOR REUSE, AS PER STRIPPING AND STOCKPILING NOTES.

3. **TOPSOIL STRIPPING AND STOCKPILING:**
STRIPPING
• PREPARATION: CLEAR ALL DEBRIS INCLUDING DEMOLITION WASTE, TIMBER, RUBBISH, WIRE FENCES, ROCK, GRAVELLED DRIVEWAYS, ETC. CLEAR TREES AND SHRUB GROWTH AND SLASH IF NECESSARY. CLEAR PASTURE AND WEED GROWTH. IF HEAVY OR OTHERWISE A PROBLEM SPRAY WITH A BROAD SPECTRUM HERBICIDE AT MANUFACTURER'S RATE AND ALLOW 1-2 WEEKS TO OBTAIN KILL BEFORE STRIPPING.
• STRIPPING: AVOID THE INCLUSION OF SUBSOIL IN TOPSOIL STRIPPING, ADJUST DEPTH ACCORDINGLY.

STOCKPILING
• LOCATE STOCKPILES IN ACCORDANCE WITH ENGINEERS' EXCAVATION WORKS PLAN
• STOCKPILE NOT WITHIN 8m OF ANY RETAINED TREES.
• PROTECT UPSLOPE USING DIVERSION DRAINS.
• PROTECT DOWNSLOPE SEDIMENT LOSS USING SEDIMENT CONTROL STRUCTURES (SILT FENCING OR OTHER APPROVED METHOD).
• STOCKPILES MUST BE NO HIGHER THAN 2m BUT MAY BE FLAT TOPPED.
• LABEL STOCKPILES WITH ORIGIN AND DATE.
• PROTECT STOCKPILES FROM WASTE AND RUBBISH DUMPING AND ENCROACHMENT OF WORKS.
• IF STOCKPILES ARE TO BE IN PLACE LONGER THAN 3 MONTHS, SOW WITH A SEASONALLY APPROPRIATE ANNUAL COVER CROP.

4. **SUBGRADE PREPARATION**
BEFORE LAYING TOPSOIL, THE FOLLOWING SUBGRADE TREATMENT MUST BE APPLIED TO ALL FINISHED SUBGRADE AREAS: TRIM TO RELATIVE LEVEL TO ACCOMMODATE THE REQUIRED OVERALL SOIL DEPTH AS PER PLANTING DETAILS. REMOVE ROCKS > 100mm. REMOVE RUBBISH SUCH AS CONSTRUCTION GENERATED WASTE, PLASTICS, METALS AND GLASS. CHISEL, DISC PLOUGH OR USE AN EXCAVATOR WITH A TYNE ATTACHMENT TO LOOSEN THE SUBGRADE AND MIX THE AMELIORANTS TO 150mm DEPTH TO INCORPORATE. HARROW TO BREAK UP CLOUDS BUT DO NOT SMOOTH (LEAVE THE SURFACE 'KEYED' TO ACCEPT THE TOPSOIL).

5. **NEW GARDEN BED PREPARATION**
POISON ALL WEEDS WITH BROAD SPECTRUM HERBICIDE AS PER MANUFACTURERS' RECOMMENDATION. CULTIVATE EXISTING SUBSOIL 150mm. SUPPLY AND SPREAD GARDEN SOIL - GO GROW BALLINA PREMIUM GARDEN MIX OR APPROVED EQUIVALENT TO SPECIFICATION D2: GARDEN BED PLANTING SOIL: "SOILS FOR LANDSCAPE DEVELOPMENT". (LEAKE & HAEGE CSIRO 2014), INCORPORATING TERRACOTTEM @ UNIVERSAL TO MANUFACTURERS' RECOMMENDATIONS. PROVIDE GYPSUM TO MANUFACTURERS' DIRECTIONS TO ALL AREAS WHERE CLAY HAS BEEN FOUND DURING CULTIVATION. PROVIDE OSMOCOTE PLUS 12-15 MONTH OR EQUIVALENT SLOW RELEASE FERTILISER, BROADCAST TO ALL PLANTINGS AS PER MANUFACTURERS' RECOMMENDATIONS.
TO ENSURE ROOT PROMOTION MIX EXISTING SOIL WITH IMPORTED SOIL (INCL. AMELIORATION) AT 50:50%.

6. **PLANTING**
PLANTING AS PER DETAIL. PLANT MATERIAL IN ACCORDANCE WITH DETAIL AND PLANTING SCHEDULE. ALL PLANTS INCLUDING ANY SUBSTITUTIONS TO BE APPROVED BY SUPERINTENDENT PRIOR TO INSTALLATION.

7. **STREET TREE SOIL ZONE**
MEDIUM TREES REQUIRE SOIL ZONES AND TREE SPACINGS THAT ENSURE ENSURE MINIMUM 18m³ SOIL ZONE PER TREE IS AVAILABLE. LARGE TREES REQUIRE MINIMUM 32m³. SOIL ZONES CAN INCLUDE EXISTING SOILS, PROVIDED THEY ARE NOT CONTAMINATED, COMPACTED, OR ENCROACHED OVER BY HARD SURFACES.
VERGE WITH PATH OR SERVICES CAN REDUCE AVAILABLE SOIL VOLUME BY HALF. IN THESE SITUATIONS STRUCTURAL SOILS AND APPROPRIATE SPACINGS SHALL BE UTILISED TO PROVIDE IMPROVED SOIL ZONES. THE CONTRACTOR SHALL PROVIDE DETAILS DEMONSTRATING ACHIEVEMENT OF MINIMUM ROOT ZONE.

8. **LEVELS, DRAINAGE AND FALLS**
ALL LEVELS TO BE VERIFIED ON SITE. REFER SURVEY, ARCHITECTURAL DRAWINGS, AND ENGINEERING DOCUMENTATION. INCLUDING LOCATION OF EXISTING SERVICES AND SERVICE EASEMENTS, HOSE COCKS, FIELD GULLIES, AND STORMWATER. NOTE: ENSURE FIELD GULLIES, STRIP DRAINS AND OVERLAND FLOW GRAVEL PATHS ARE KEPT CLEAR OF DEBRIS AND SILT, TO ENSURE UNIMPEDED FLOW OF SURFACE RUN-OFF. ALLOW MINIMUM 2% FALLS ALL TURF AREAS: AWAY FROM CAR PARK AND WALKWAY.

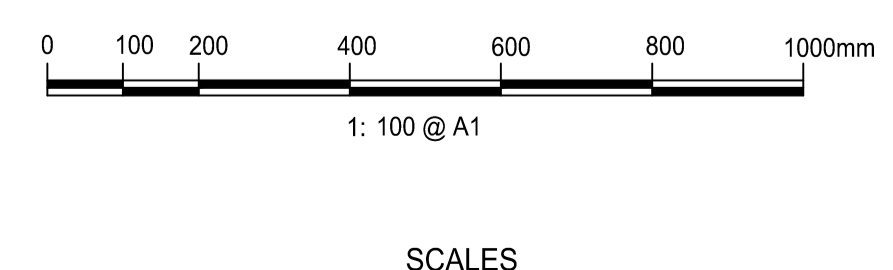
9. **SERVICES**
ENSURE CONDUIT UNDER PATHS AND HARD PAVING IS PROVIDED FOR ALL SERVICES AS NECESSARY, INCLUDING POWER AND WATER FOR EXTERNAL TAPS, EXTERNAL LIGHTING, FUTURE IRRIGATION.

NOTE: STREET TREE LOCATION:

- Minimum 1m from Back of Kerb
- Minimum 1m from centreline of SW /WM
- Minimum 500mm from Residential Drainage
- Minimum rootzone as per detail
- Structural soil /systems may be required under paths to provide sufficient root zone
- Where space is limited, distances and species may be varied to accommodate conditions. CHCC Approval for variation required. Where services conflict with planting, alternative locations can be considered.

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Datum: A.H.D			
Grid: GDA94(MGA)			
Origin: SSM			
Reference Plans:			
A	ISSUED FOR INFORMATION	AV	01/01/19
Rev.	Amendments	Apprd.	Date



Survey	N/A	N/A	SIGNED APPROVALS ON ORIGINAL	
Designed	AV	JAN 2019	Section Leader	B.BURNESS
Drawn	AV	JAN 2019		
Checked				
Issue	IssueName		Drawing Status : Unless there is an approved signature hereon, this plan is not for construction.	
Project Code				

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STREET TREE PLANTING DETAIL
CHCC STANDARD DETAILS
COFFS HARBOUR CITY COUNCIL

Council Plan No.
Sheet 1 of 1
Original Size Revision
A1 A