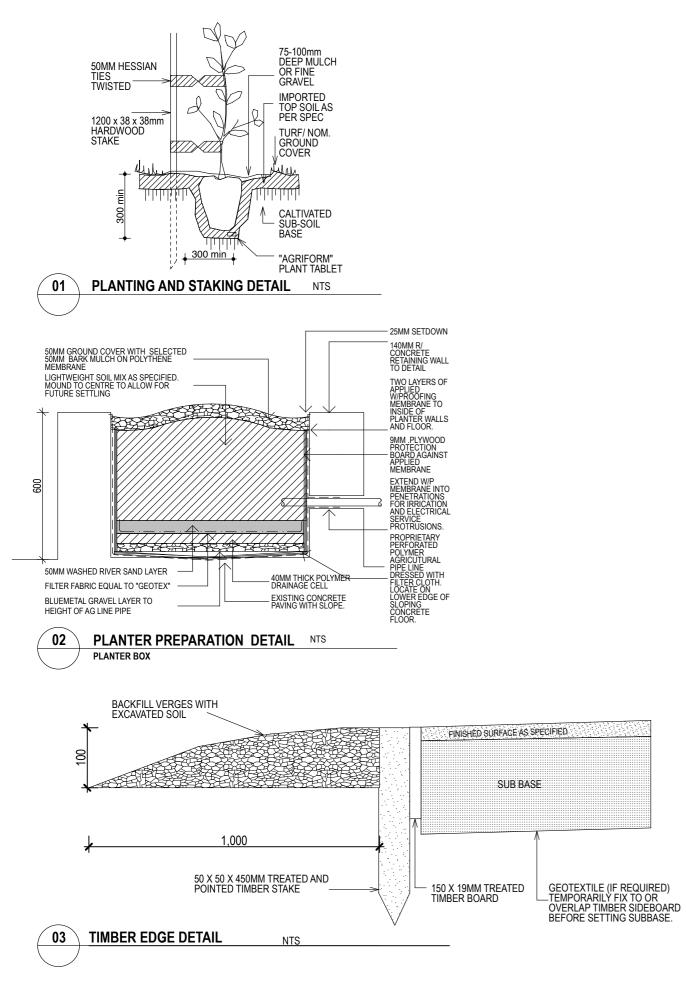


# **PROPOSED LANDSCAPING SITE PLAN 1:150**

# NOTES : DO NOT SCALE OFF DRAWINGS. USE FIGURED DIMENSIONS ONLY. CHECK ALL DIMENSIONS ON SITE BEFORE THE COMMENCEMENT OF WORK, REPORTAWY DISCREPANCIES. C.O.S DENOTES ITEM TO BE CHECKED ON SITE. ALL LEVELS ARE TO AHD AND HAVE BEEN DETE SERVICES P/L -AVAILABLE DETAILED SITE SURVEY INFORMATION BY THESE DESIGNS, PLANS AND SPECIFICATIONS AND THE COPYRIGHT THEREIN ARE THE PROPERTY OF TOPIO GRAPHIC



PLANT TYPE	PLAN SYMBOL	REF	NOMINATED SPECIES OR SIMILAR	QUAN- TITY	POT SIZE	STAKE	MAT HEIC
01 TREES							
		Er	BLUEBERRY ASH Elaeocarpus reticulatus	1	75L	Yes	12.0
		Ss	LILLY PILLY Syzygium smithii	1	75L	Yes	6.0M
02 SHRUBS							
		LI	BASKET GRASS Lomandra longifolia	14	140MM	NO	1.0N
		Wf	COASTAL ROSEMARY Westringia fruticosa	7	200MM	NO	1.5M
03 GROUND COVE	RS	1		1	1		
	貒	Dc	FLAX LILY Dianella caerulea	6	140MM	NO	7001
04 TURF					1	I	
			ALTER DNA IFIED BUFFALO	128.70m <sup>2</sup>			

NOTES: Do NOT SOLE OF DRAWINGS. USE FGURED DIMENSIONS ON Y. CHECK ALL DIMENSIONS ON STE BEFORE THE COMMENCEMENT OF WORK REPORT ANY DISOCREPANCIES. C. 0.5 BENDTESTIET NO BE OHECKED ON STE. ALL LEVELS ARE TO AND OHAVE BEEN DETERMINED FROM OSSUM SURVEYING SERVICES IN . AVALABLE DETAILED STE SURVEY INFORMATION BY THESE DESIGNS, PLANS AND SPEOFDATIONS AND THE COPYRIGHT THEREIN ARE THE PROPERTY OF TOPIO GRAPHICA LANSOFAR EARCHIETS. SAM OWNED THE USE DE REPORTED TO TOPIO GRAPHICA LANSOFAR EARCHIETS. SAM OWNED THE USE DE REPORTED TO TOPIO GRAPHICA LANSOFAR EARCHIETS. SAM OWNED TO BE USED. REPORTED TO TOPIO GRAPHICA LANSOFAR EARCHIETS. SAM OWNED TO BE USED. REPORTED TO TOPIO GRAPHICA LANSOFAR EARCHIETS. SAM OWNED TO BE USED. REPORTED TO TOPIO GRAPHICA LANSOFAR EARCHIETS. SAM OWNED TO BE USED. REPORTED TO TOPIO GRAPHICA LANSOFAR EARCHIETS. SAM OWNED TO BE USED. REPORTED TO TOPIO GRAPHICA LANSOFAR EARCHIETS. SAM OWNED TO BE USED. REPORTED TO TOPIO GRAPHICA LANSOFAR EARCHIETS. SAM OWNED TO BE USED. REPORTED TO TOPIO GRAPHICA LANSOFAR EARCHIETS. SAM OWNED TO BE USED. REPORTED TO TOPIO GRAPHICA LANSOFAR EARCHIETS. SAM OWNED TO BE USED. REPORTED TO TOPIO GRAPHICA LANSOFAR EARCHIETS. SAM OWNED TO BE USED. REPORTED TO TOPIO GRAPHICA LANSOFAR		DA SUBMISSION notes	21.05.25 date	This drawing is issued upon the condition it is not copied, reproduced, retained or disclosed to any unauthorised person either wholly or in part without prior consent in writing of Topia Graphica Landscape Architects.		ALTS. & ADDS. TO MAIN DWELLING/CONV. OF EX. OUTBLDG TO SEC. DWELLING project 48 Ernest Street Lakemba address	topio.graphica LANDSCAPE ARCHITECTURE Irene Thanogiannis AILA Registered Landscape Architect Reg # 001522 B.L Arch (Hons)	334A Homer Street, Earlwood ph: 0401 684 015 e: topio.graphica@bigpond.com abn:17749 268 649
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A issue 21/5/2025

#### NATSPEC

# LANDSCAPE SPECIFICATION NATSPEC- OCT 2024 SUBSCRIBER NO. 24016892

# 02 SITE, URBAN AND OPEN SPACES-0221 SITE PREPARATION

#### 2. EXCECUTION 2.3 SITE CLEARING EXTENT

REQUIREMENT: CLEAR ONLY AREAS OCCUPIED BY WORKS SUCH AS STRUCTURES, PAVING, EXCAVATION, REGRADING AND LANDSCAPING OR OTHER AREAS DOCUMENTED FOR CLEARING. CONTRACTOR'S SITE AREAS: IF NOT INCLUDED WITHIN THE AREAS DOCUMENTED ABOVE, CLEAR ONLY TO THE EXTENT NECESSARY FOR THE PERFORMANCE OF THE WORKS.

#### CI FARING AND GRUBBING

CLEARING: REMOVE EVERYTHING ON OR ABOVE THE SITE SURFACE, INCLUDING RUBBISH, SCRAP, GRASS, VEGETABLE MATTER AND ORGANIC DEBRIS, SCRUB, TREES, TIMBER, STUMPS, BOULDERS AND RUBBLE

# GRUBBING: GRUB OUT STUMPS AND ROOTS OVER 75 MM

DIAMETER TO A MINIMUM DEPTH AS FOLLOWS: - BELOW SUBGRADE UNDER BUILDINGS, EMBANKMENTS OR PAVING: 500 MM

- BELOW FINISHED SURFACE IN UNPAVED AREAS: 300 MM. BACKFILLING: FILL HOLES REMAINING AFTER GRUBBING WITH SAND MATERIAL TO PREVENT PONDING OF WATER. COMPACT THE MATERIAL TO THE RELATIVE DENSITY OF THE EXISTING ADJACENT GROUND MATERIAL.

REDUNDANT/DECOMMISSIONED WORKS' REMOVE WORKS NO LONGER REQUIRED, INCLUDING SLABS, FOUNDATIONS, PAVING, DRAIN, AND ACCESS CHAMBERS AND COVERS WITHIN THE WORKS

BATTERS- TEMPORARY PROTECTION: IF THE CHANGE IN LEVEL BETWEEN CREST AND TOE IS MORE THAN 1500 MM, PROTECT FROM EROSION WITH GEOFABRIC, HESSIAN AND TAR OR HEAVY DUTY BLACK POLYETHYLENE SHEET COVER. SECURELY FIX DOWN AT CREST AND TOP

SURPLUS MATERIAL-TOPSOIL AND EXCAVATED MATERIAL: REMOVE UNWANTED STRIPPED SOIL AND OTHER MATERIAL FROM THE SITE AS THE WORK PROCEEDS, INCLUDING ANY MATERIAL DROPPED ON FOOTPATHS OR ROADWAYS.

#### 02 SITE, URBAN AND OPEN SPACES-0251 LANDSCAPE- SOILS



GENERAL: RIP PARALLEL TO THE FINAL CONTOURS. DO NOT RIP WHEN THE SUBSOIL IS WET OR PLASTIC. DO NOT RIP WITHIN THE DRIPLINE OF TREES AND SHRUBS TO BE RETAINED. SUBSOIL: RIP THE SUBSOIL TO THE FOLLOWING TYPICAL DEPTHS: - COMPACTED SUBSOIL: 300 MM.

HEAVILY COMPACTED CLAY SUBSOIL: 450 MM.

PLANTING BEDS EXCAVATED: EXCAVATE TO REDUCE THE SUBSOIL LEVEL TO AT LEAST 300 MM BELOW FINISHED DESIGN LEVELS. SHAPE THE SUBSOIL TO FALL TO SUBSOIL DRAINS, IF REQUIRED. BREAK UP THE SUBSOIL TO A FURTHER DEPTH OF 100 MM.

UNEXCAVATED: REMOVE WEEDS, ROOTS, RUBBISH AND OTHER DEBRS, REDUCE THE PLANTING BED LEVEL TO 75 MM BELOW FINISHED DESIGN LEVELS. CULTIVATION

#### MINIMUM DEPTH: 100 MM.

SERVICES AND ROOTS: DO NOT DISTURB SERVICES OR TREE ROOTS. IF REQUIRED, CULTIVATE THESE AREAS BY HAND. CULTIVATION: CULTIVATE MANUALLY WITHIN 300 MM OF PATHS OR STRUCTURES. REMOVE STONES EXCEEDING 25 MM, CLODS OF EARTH EXCEEDING 50 MM, AND WEEDS, RUBBISH OR OTHER DELETERIOUS MATERIAL BROUGHT TO THE SURFACE DURING CULTIVATION. TRIM THE SURFACE TO DESIGN LEVELS AFTER CULTIVATION.

#### ADDITIVES GENERAL: APPLY ADDITIVES AFTER RIPPING OR CULTIVATION AND INCORPORATE INTO THE UPPER 100 MM LAYER OF THE SUBSOIL AS DOCUMENTED

#### 3.5 TOP SOIL SITE TOPSOIL PREPARATION

SCREENING: BY A POWER HYDRAULIC SCREEN CAPABLE OF HANDLING 100 TONNE PER HOUR, WITH SIEVES GRADING FROM 20 TO 15 MM

ADDITIVES: DURING THE SCREENING PROCESS ADD THE FOLLOWING:

15% BY WEIGHT COARSE SAND MINIMUM PARTICLE SIZE 0.2 MM. AMELIORANTS MATERIALS TO THE RECOMMENDATIONS OF THE TEST REPORT

ADDITIVES PROGRAM: 8 WEEKS BEFORE STOLONISING OR TURFING.

WASTE: REMOVE FROM SITE ALL CLAY LUMPS, BALLED COMPACTED PARTICLES GREATER THAN 20 MM STONES AND RUBBISH FOREIGN TO THE NORMAL COMPOSITION OF SOIL. CONTAMINATION: IF DIESEL OIL. CEMENT OR OTHER PHYTOTOXIC MATERIAL HAS BEEN SPILT ON THE SITE TOPSOIL EXCAVATE THE CONTAMINATED SOIL AND DISPOSE OF THE SOIL OFF-SITE PLACING TOPSOIL

TOPSOIL: DO NOT INCORPORATE TOPSOIL INTO THE WORKS UNTIL SOIL TESTING RESULTS HAVE BEEN APPROVED, REMOVE UNAUTHORISED MATERIAL FROM THE SITE.

SPREADING: SPREAD THE TOPSOIL ON THE PREPARED SUBSOIL AND GRADE EVENLY, MAKING ALLOWANCES, IF APPROPRIATE, FOR THE FOLLOWING:

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rev notes

DA SUBMISSION

REQUIRED FINISHED LEVELS AND CONTOURS AFTER LIGHT COMPACTION.

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ALL LEVELS ARE TO AHD AND HAVE BEEN DETERM SERVICES P/I -

NOTES :

#### GRASSED AREAS FINISHED FLUSH WITH ADJACENT HARD SURFACES SUCH AS KERBS, PATHS AND MOWING STRIPS.

STEEP BATTERS: IF USING A CHAIN DRAG FOR SPREADING, MAKE SURE THERE IS NO DANGER OF BATTER DISTURBANCE FINISHING: FEATHER EDGES INTO ADJOINING UNDISTURBED

#### GROUND. CONSOLIDATION

GENERAL: COMPACT LIGHTLY AND UNIFORMLY IN 150 MM LAYERS. AVOID DIFFERENTIAL SUBSIDENCE AND EXCESS COMPACTION AND PRODUCE A FINISHED TOPSOIL SURFACE THAT HAS THE FOLLOWING CHARACTERISTICS:

- FINISHED TO DESIGN LEVELS
- SMOOTH AND FREE FROM STONES OR LUMPS OF SOIL GRADED TO DRAIN FREELY, WITHOUT PONDING, TO CATCHMENT
- POINTS GRADED EVENLY INTO ADJOINING GROUND SURFACES.
- READY FOR PLANTING.
- TOPSOIL DEPTHS
- GENERAL: SPREAD TOPSOIL TO THE FOLLOWING TYPICAL DEPTHS: EXCAVATED PLANTING AREAS:
- ORGANIC MULCH: 225 MM. GRAVEL MULCH: 250 MM
- IRRIGATED GRASSED AREAS GENERALLY: 150 MM.
- IRRIGATED GRASSED AREAS, HEAVY USE (E.G. PLAYING FIELDS, PLAYGROUNDS AND PUBLIC PARKS): 200 MM.
- NON-IRRIGATED GRASS AREAS: 100 MM.
- FARTH MOUNDS MASS PLANTED SURFACES: 300 MM.
- GRASSED SURFACES: 100 MM TOP DRESSING: 10 MM
- SURPLUS TOPSOIL
- GENERAL: SPREAD SURPLUS TOPSOIL ON DESIGNATED AREAS ON-SITE OR DISPOSE OFF-SITE.

# 02 SITE, URBAN AND OPEN SPACES-0252 LANDSCAPE- NATURAL GRASS SURFACES 3. EXCECUTION 3.4 TURFING

### SUPPLY

- ELAPSED TIME: DELIVER THE TURF WITHIN 24 HOURS OF CUTTING, AND LAY WITHIN 36 HOURS OF CUTTING. PREVENT TURF FROM DRYING OUT BETWEEN CUTTING AND LAYING. IF NOT LAID WITHIN 36 HOURS OF CUTTING, ROLL TURF OUT ON A FLAT SURFACE WITH THE GRASS UP, AND WATER AS REQUIRED TO MAINTAIN A HEALTHY CONDITION.
- APPLICATION
- METHOD: LAY THE TURF AS FOLLOWS: STRETCHER BOND PATTERN WITH THE JOINTS STAGGERED AND
- CLOSE BUTTED. PARALLEL WITH THE LONG SIDES OF LEVEL AREAS, AND WITH
- CONTOURS ON SLOPES. FINISH FLUSH, AFTER TAMPING, WITH ADJACENT FINISHED SURFACES OF GROUND, PAVING EDGING, OR GRASS SEEDED
- AREAS
- LAYING: CLOSE BUTT THE END JOINTS AND SPACE THE TURF STRIPS 300 MM APART. LAY TOP DRESSING BETWEEN THE TURF
- STRIPS, FINISH WITH AN EVEN SURFACE. TAMPING: LIGHTLY TAMP TO AN EVEN SURFACE IMMEDIATELY AFTER LAYING. DO NOT USE A ROLLER.
- STABILISING ON STEEP SLOPES: PEG THE TURF TO PREVENT DOWNSLOPE MOVEMENT. REMOVE THE PEGS WHEN THE TURF IS ESTABLISHED WATERING
- GENERAL: WATER IMMEDIATELY AFTER LAYING UNTIL THE TOPSOIL IS MOISTENED TO ITS FULL DEPTH. MAINTAIN MOISTURE TO THIS

#### INITIAL ESTABLISHMENT

- GENERAL: MAINTAIN TURFED AREAS UNTIL THERE IS A DENSE CONTINUOUS SWARD OF HEALTHY GRASS OVER THE WHOLE TURFED AREA. EVENLY GREEN AND OF A CONSISTENT HEIGHT FAILED TURF: LIFT FAILED TURF AND REPLACE WITH NEW TURF. LEVELS: IF LEVELS HAVE DEVIATED FROM THE DESIGN LEVELS AFTER PLACING AND WATERING, LIFT TURF AND REGRADE TOPSOIL TO ACHIEVE DESIGN LEVELS. TOP DRESSING: MOW THE ESTABLISHED TURF AND REMOVE
- CUTTINGS LIGHTLY TOP DRESS TO A DEPTH OF 10 MM, RUB THE DRESSING INTO THE JOINTS AND CORRECT ANY UNEVENNESS IN THE TURE SURFACE

#### 02 SITE, URBAN AND OPEN SPACES-0253 LANDSCAPE- PLANTING 2.3 FERTILISER

#### GENERAL

- DESCRIPTION: PROPRIETARY FERTILISERS DELIVERED TO THE SITE IN THE MANUFACTURER'S LABELLED AND UNOPENED BAGS OR CONTAINERS, AS DOCUMENTED.
- APPLICATION RATE. VARY THE APPLICATION RATE TO ALLOW FOR THE PLANT-AVAILABLE IMMEDIATE FERTILISER EQUIVALENCE VALUE OF THE SOIL CONDITIONING COMPOST.
- LABELLING
- GENERAL: TO THE APPLICABLE STATUTORY REQUIREMENTS, INCLUDING MANUFACTURER OR SUPPLIER, WEIGHT, FERTILISER TYPE, N:P:K RATIO, RECOMMENDED USES AND APPLICATION RATES.

# 2.4 MULCH GENERAL

TYPE: FREE OF DELETERIOUS AND EXTRANEOUS MATTER INCLUDING SOIL, WEEDS, PLASTIC, METAL, PAINT, RUBBER AND STICKS, DO NOT INCLUDE FINE MULCH PARTICLE SIZE PHYSICAL AND CHEMICAL CONTAMINANTS: TO AS 4454 (2012) TABLE 3.1(A).

21.05.25

date

#### ORGANIC MULCH TYPES

#### GENERAL: FREE OF STONES

- BRUSH CHIPPINGS AND LEAF LITTER: VEGETATIVE MATERIAL PROCESSED THROUGH A CHIPPER TO PIECES NOT LARGER THAN 75 X 50 X 15 MM AS FOLLOWS:
- MATERIAL PERMITTED: LEAF MATTER AND TREE LOPPINGS FROM EUCALYPTUS, TRISTANIA AND PINUS SPECIES.
- MATERIAL NOT PERMITTED: LEAF MATTER AND TREE LOPPINGS FROM PRIVET, CAMPHOR LAUREL, CORAL TREE, POPLAR, WILLOW AND DECLARED (NOXIOUS) WEEDS.

3.4. MULCHING PLACE MULCH TO THE REQUIRED DEPTH AND CLEAR OF PLANT

SMOOTH AND EVENLY GRADED BETWEEN DESIGN SURFACE

SLOPED TOWARDS THE BASE OF PLANT STEMS IN PLANTATION

FOR GRAVEL MULCHES: NOT CLOSER TO THE STEM THAN

EXTENT: PROVIDE MULCH TO 750 MM DIAMETER TO SURROUNDS

STEMS, SO THAT AFTER SETTLING IT CONFORMS TO THE

FLUSH WITH THE SURROUNDING FINISHED LEVELS.

OF PLANTS PLANTED IN RIPLINES AND GRASSED AREAS.

LEAF LITTER, PINE FLAKE AND PINE BARK: PROVIDE

RIVER PEBBLES AND GRAVELS: DO NOT USE ON SLOPES

IN RIPLINE AND GRASSED AREAS: PLACE MULCH TO 750 MM

IN MASS PLANTED AREAS: PLACE AFTER THE PREPARATION OF

THE PLANTING BED BUT BEFORE PLANTING AND OTHER WORK IN SMALLER AREAS (E.G. PLANTER BOXES): PLACE AFTER THE PREPARATION OF THE PLANTING BED, PLANTING AND OTHER

MATERIAL: HARDWOOD, STRAIGHT, FREE FROM KNOTS OR TWISTS, POINTED AT ONE END.

FOR PLANTS ≥ 2500 MM HIGH: THREE 50 X 50 X 2400 MM STAKES

FOR PLANTS < 1000 MM HIGH: ONE 38 X 38 X 1200 MM STAKE PER

FOR PLANTS 1000 TO 2500 MM HIGH: TWO 50 X 50 X 1800 MM

GENERAL: PROVIDE TIES FIXED SECURELY TO THE STAKES. ONE

THE AT HALF THE HEIGHT OF THE MAIN STEM, OTHERS AS NECESSARY TO STABILISE THE PLANT. ATTACH TIES LOOSELY SO

PLANTS NOT LESS THAN 2500 MM HIGH: TWO STRANDS OF

2.5 MM GAI VANIZED WIRE NEATLY TWISTED TOGETHER

PASSED THROUGH REINFORCED RUBBER OR PLASTIC

HOSE AND INSTALLED AROUND STAKE AND STEM IN A

PLANTS LESS THAN 2500 MM HIGH: 50 MM HESSIAN

COLLAR GUARDS: PROVIDE PROPRIETARY COLLAR GUARDS OR

200 MM LENGTH OF 100 MM DIAMETER AGRICULTURAL PIPE SPLIT

REQUIREMENT: IF DIRECTED, ATTEND TO IDENTIFIED AREAS AND

PROCEDURES AS A PRIORITY. OBTAIN APPROVAL FOR ADDITIONAL

MONTHLY REPORT: PROVIDE REGULAR WRITTEN REPORTS EACH

SOIL TEST RESULTS AS REQUIRED FOR THE FERTILISING

CONFIRM IN WRITING ANY DISTURBANCE OR INCIDENT AFFECTING

OR LIKELY TO AFFECT THE DAY TO DAY SCHEDULING OF WORKS.

REQUIREMENT: MAKE ARRANGEMENTS TO WORK AROUND THE

RUBBISH: REMOVE LOOSE RUBBISH SUCH AS BOTTLES, PAPERS

AND CIGARETTE BUTTS FROM THE SITE. EXECUTE THIS WORK

REQUIREMENT: MAKE SURE THE GENERAL APPEARANCE AND

PRESENTATION OF THE LANDSCAPE AND THE QUALITY OF PLANT

EXISTING PLANT MATERIAL: MAINTAIN EXISTING PLANTING AND

DOCUMENTED FOR THE MATCHING CLASSIFICATIONS OF NEW

PLANTS AT MAXIMUM 3 WEEKLY INTERVALS AS NECESSARY

PLANT REPLACEMENT: REPLACE FAILED, DEAD AND/OR DAMAGED

MATERIAL AT THE DATE OF PRACTICAL COMPLETION IS MAINTAINED

LEAF LITTER: REMOVE FROM ALL PATH AND LAWN AREAS.

REGULARLY SO THAT ALL AREAS ARE FREE FROM RUBBISH WHEN

INCIDENT REPORTS: REPORT IMMEDIATELY VERBALLY AND

INSTALLATION: DRIVE STAKES INTO THE GROUND AT LEAST ONE-

THIRD OF THEIR LENGTH, AVOIDING DAMAGE TO THE ROOT

STABILISATION ON SLOPES GREATER THAN 1:3

50 MM

STABILISATION

INSTALLATION

STAKES

ORGANIC MULCH: 75 MM.

GRAVEL MULCH: 50 MM.

GREATER THAN 1:6.

3.6. STAKES AND TIES

PER PLANT

PLANT.

TIES

STAKES PER PLAN

STAKE SIZES AND OUANTITIES

AS NOT TO RESTRICT PLANT GROWTH

FIGURE FIGHT PATTERN

02 SITE, URBAN AND OPEN SPACES 0256 LANDSCAPE- ESTABLISHMENT

COSTS BEFORE STARTING THE WORKS.

PLANT REPLACEMENT REQUIREMENTS

DISTURBANCE CAUSED BY OTHER CONTRACTORS.

TRUNK PROTECTION

SPECIAL INSTRUCTIONS

MONTH ON THE FOLLOWING:

GENERAL STATUS OF WORKS

DISRUPTION OF WORKS BY OTHERS

OBSERVED AT FORTNIGHTLY INTERVALS.

FOR THE PLANTING ESTABLISHMENT PERIOD.

GRASS WITHIN THE LANDSCAPE CONTRACT AREA AS

THROUGHOUT THE PLANT ESTABLISHMENT PERIOD.

LENGTHWAYS.

2. EXECUTION

2.1 GENERAL

REPORTING

**PROGRAMS** 

RUBBISH REMOVAL

2.2 PLANTING WORKS

GRASSLAND OR PLANTING.

ALTS. & ADDS. TO MAIN DWELLING/CONV. OF

EX. OUTBLDG TO SEC. DWELLING

48

Ernest Street

Lakemba

address

PI ANTING

WEBBING STAPLED TO THE STAKE.

DIAMETER AROUND PLANTS.

DEPTHS

PINE BARK: FROM MATURE TREES, GRADED IN SIZE FROM 50 X 50 X 25 MM TO 25 X 15 X 15 MM, FREE FROM WOOD SLIVERS. PINE FLAKE: PINUS SPECIES SAPWOOD SLIVERS IN SIZE RANGE 250 X 25 MM TO 30 X 3 MM. INCLUDING FRAGMENTS OF PINE BARK. STRAW: CEREAL STRAW, WOOD FIBRE OR OTHER SUITABLE VEGETATIVE MATERIAL (BUT NOT MEADOW HAY) FREE FROM WEEDS AND SEEDS, APPLIED IN CONJUNCTION WITH A BITUMEN

#### EMULSION OR POLYMER BINDER. INORGANIC MULCH TYPES

- WASHED RIVER PEBBLE: UNIFORM SIZE OR GRADED MATERIAL IN THE SIZE RANGE 6 TO 10 MM
- DECOMPOSED GRANITE GRAVEL: UNIFORM SIZE OR GRADED MATERIAL IN THE SIZE RANGE 5 TO 20 MM, OF UNIFORM COLOUR AND LOW PLASTICITY.
- CRUSHED QUARTZ: UNIFORM SIZE OR GRADED MATERIAL IN THE SIZE RANGE 5 TO 20 MM, OF UNIFORM COLOUR.
- MARBLE CHIP GRAVEL: UNIFORM SIZE OR GRADED MATERIAL IN THE SIZE RANGE 5 TO 20 MM OF UNIFORM COLOUR
- SLATE: PLUM SLATE SLIVERS IN THE SIZE RANGE 5 TO 25 MM. SHALE: UNIFORM SIZE OR GRADED MATERIAL, NO PARTICLES
- SMALLER THAN 0.1 MM DIAMETER SCORIA: UNIFORM SIZE OR GRADED MATERIAL.
- BINDERS

GENERAL: MATERIALS SUITABLE FOR COLD SPRAY APPLICATION TO STABILISE MULCHED OR SEEDED SURFACES ON BANKS OR HIGH FROSION AREAS

# 3. EXECUTION 3.3 PLANTING GENERAL

PLANT LOCATION AND SPACING: IF NECESSARY TO VARY PLANT OCATIONS AND SPACINGS TO AVOID SERVICE LINES, OR TO COVER THE AREA UNIFORMLY, OR FOR OTHER REASONS, GIVE NOTICE

#### PLANTING CONDITIONS

WEATHER: DO NOT PLANT IN UNSUITABLE WEATHER CONDITIONS INCLUDING EXTREME HEAT, COLD, WIND OR RAIN. IN OTHER THAN SANDY SOILS, SUSPEND EXCAVATION WHEN THE SOIL IS WET, OR DURING FROST PERIODS.

WATERING TIMING: THOROUGHLY WATER THE PLANTS BEFORE PLANTING, IMMEDIATELY AFTER PLANTING, AND AS REQUIRED TO MAINTAIN GROWTH RATES FREE OF STRESS. PREPARATION

NDIVIDUAL PLANTINGS IN GRASSED AREAS: PREPARE FOR

- PLANTING AS FOLLOWS: EXCAVATE A HOLE TWICE THE DIAMETER OF THE ROOTBALL AND AT LEAST 100 MM DEEPER THAN THE ROOTBAL BREAK UP THE BASE OF THE HOLE TO A FURTHER DEPTH OF
- 100 MM LOOSEN COMPACTED SIDES OF THE HOLE TO PREVENT CONFINEMENT OF ROOT GROWTH. RIPLINE PLANTING: PREPARE FOR PLANTING AS FOLLOWS:

RIP THE ROW AND EXCAVATE A PLANT ING AS FOLLOWS. RIP THE ROW AND EXCAVATE A PLANT HOLE FOR EACH PLANT LARGE ENOUGH TO ACCEPT THE ROOTBALL PLUS 0.1 M<sup>3</sup> OF

SUCHINICADIOS OF THE PLANTS. IF PLANTING HOLES ARE EXCAVATED BY MECHANICAL MEANS, INCREASE THE HOLE SIZE BY 100 MM AND LOOSEN COMPACTED SIDES TO PREVENT CONFINEMENT OF ROOT GROWTH.

BACKFILLING WITH TOPSOIL. CLEAR WEEDS AND OTHER VEGETATIVE MATERIAL WITHIN

REMOVE THE PLANT FROM THE CONTAINER WITH MINIMUM DISTURBANCE TO THE ROOTBALL. MAKE SURE THAT THE

IF REQUIRED, ROOT PRUNE TO MAKE SURE ALL CIRCLING ROOTS HAVE BEEN EITHER SEVERED OR ALIGNED RADIALLY

PLACE THE PLANT IN ITS FINAL POSITION, IN THE CENTRE OF THE HOLE AND PLUMB, AND WITH THE TOPSOIL LEVEL OF THE

PLANT ROOTBALL LEVEL WITH THE FINISHED SURFACE OF THE

PELLETS: IN PLANTING BEDS AND INDIVIDUAL PLANTINGS. PLACE

GENERAL: BACKFILL WITH TOPSOIL MIXTURE. LIGHTLY TAMP AND

WATER TO ELIMINATE AIR POCKETS. MAKE SURE THAT TOPSOIL IS

NOT PLACED OVER THE TOP OF THE ROOTBALL. SO THE PLANT

STEM REMAINS THE SAME HEIGHT ABOVE GROUND AS IT WAS IN

FERTILISER PELLETS AROUND THE PLANTS AT THE TIME OF

ALL TREES ARE TO BE ADVANCED SPECIMENS IN 45 LITRE.

THE CONTAINER. AVOID MIXING MULCH WITH TOPSOIL.

WATERING BASINS FOR PLANTS IN GRASSED AREAS

LOCATION: TO EACH INDIVIDUAL PLANT NOT LOCATED IN

IRRIGATED GRASSED AREAS OR NATURALLY MOIST AREAS.

WATERING BASIN: CONSTRUCT AROUND THE BASE OF EACH

INDIVIDUAL PLANT, CONSISTING OF A RAISED RING OF SOIL

M. KAMRUL ISLAM & M. RAHMAN

48 Ernest Street Lakemba NSW

REQUIREMENT: AS DOCUMENTED

CAPABLE OF HOLDING AT LEAST 10 L.

client

300 MM RADIUS OF THE PLANTS.

GENERAL: PLACE PLANTS AS FOLLOWS:

INTO THE SURROUNDING SOIL

ROOTBALL IS MOIST.

SURROUNDING SOIL

FFRTII ISING

PI ANTING

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BACKFILLING

PLACING

PRUNING: TO AS 4373 (2007) AND AS DOCUMENTED.

PI ANT PRUNING

FERTILISING

**RESULTS** 

FI IMINATED

WINDS

MOWING.

PATTERN.

TOP DRESSING

SEEDED AREAS

FERTILISING

2.4 WEEDING

GENERAL

PROGRAM:

STAKES AND TIES

2.3 GRASS SURFACES

MOWING AND TRIMMING

ESTABLISHMENT PERIOD

GRASS HEIGHT AT ANY ONE TIME.

SANDY TOPSOIL TO A DEPTH OF 5 MM

MAINTAIN HEALTHY GRASS COVER

GENERAL LAWN CONDITION.

FORTNIGHTLY INTERVALS

- SMALL AREAS: BY HAND.

RECOMMENDATIONS

GENERAL

REQUIREMENTS

2.5 WATERING ESTABLISHMENT

WATER QUALITY

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THE BASE OF PLANTS.

2.5 MULCHED SURFACES

75 MM FOR ORGANIC MULCH.

50 MM FOR GRAVEL MULCH

PH RETWEEN 5.5 AND 7.5

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GROWTH REQUIREMENT.

INSECT AND DISEASE CONTROL

SOIL TESTS: TAKE SAMPLES FROM BOTH PLANTING BEDS AND LAWN AREAS AND CONDUCT TESTS, AS FOLLOWS: LANDSCAPE SOILS: TO AS 4419 (2018) TABLE 1. LOW DENSITY SOILS: TO AS 4419 (2018) TABLE 2 SOILS FOR TURE AND LAWNS: TO AS 4419 (2018) TABLE 3 FERTILISING PROGRAM: BASE THE PROGRAM ON SOIL TESTING

APPLICATION OF FERTILISER: APPLY EITHER AN ALL-PURPOSE FERTILISER OR A 12 MONTH SLOW RELEASE FERTILISER, IN TWO ROWS AND CULTIVATED INTO SOIL TO A DEPTH OF 100 MM PROGRAM: SEPTEMBER AND MARCH ACCORDING TO SEASONAL

SENSITIVE NATIVE SPECIES: APPLY APPROPRIATE DOSAGE.

PERIOD FOR TREATMENT: UNTIL THE PROBLEM HAS BEEN

CHEMICAL SPRAY: APPLY OUTSIDE OF NORMAL WORKING HOURS.

GENERALLY: IF PLANTS ARE NOT SELF-SUPPORTING OR IF STAKES ARE DAMAGED, STAKE OR RE-STAKE THE PLANTS AS FOLLOWS: DRIVE THREE HARDWOOD STAKES PLACED DIAGONALLY WITH THE FIRST STAKE ON THE OPPOSITE SIDE TO THE PREVAILING

DO NOT SINGLE STAKE LARGE PLANTS. REMOVAL: IF PLANTS ARE ROBUST WITH WELL-DEVELOPED SYSTEMS AND NO LONGER REQUIRE SUPPORT, REMOVE STAKES

PREPARATION: REMOVE LITTER AND FALLEN BRANCHES BEFORE

GRASS HEIGHT: CONSISTENT WITH THE GROWTH HABIT OF THE GRASS VARIETY AND MAINTAINED AT 25 TO 40 MM THROUGHOUT THE YEAR. DO NOT REMOVE MORE THAN ONE-THIRD OF THE

PROGRAM: WEEKLY DURING THE MOWING SEASON, NOVEMBER TO MARCH AND AT FORTNIGHTLY INTERVALS FROM APRIL TO OCTOBER, DO NOT MOW DURING WET CONDITIONS, CARRY OUT LAST MOWING NOT MORE THAN 7 DAYS BEFORE END OF PLANT

RAKING: ONCE EVERY MONTH BEFORE MOWING FROM NOVEMBER TO MARCH, RAKE THE GRASS WITH A FLEXIBLE RAKE. ON ALTERNATE MOWINGS, ADOPT A NORTH-SOUTH AND EAST-WEST

EDGE TRIMMING: AT THE SAME TIME AS MOWING, TRIM LAWN EDGES TO PLANT BEDS, PATHWAYS, BASE OF TREES AND OTHER OBSTACLES. DO NOT DAMAGE TREES AND SHRUBS

TOP DRESSING FOR ESTABLISHED LAWNS: WEED-FREE IMPORTED

PROGRAM: THE SPRING FOLLOWING INITIAL ESTABLISHMENT. TOP DRESSING FOR REMEDIATION OF DEPRESSIONS OR IRREGULARITIES: APPLY COARSE OR MEDIUM TEXTURE SOIL TO AS 4419 (2018), SUITABLE FOR APPLICATION TO TURF OR GRASS

APPLICATION OF FERTILISER: APPLY LAWN FERTILISER AT THE COMPLETION OF THE FIRST AND LAST MOWINGS OF THE PLANT ESTABLISHMENT PERIOD AND AT OTHER TIMES AS REQUIRED TO

REQUIREMENT: REMOVE UNWANTED BROAD-LEAF PLANTS AND GRASSES CONSIDERED INVASIVE TO THE LOCALITY

LAWNS: QUARTERLY AND AS REQUIRED TO MAINTAIN THE

TREES AND SHRUBS: AS REQUIRED FOR PLANTED, PAVED AND MULCHED AREAS TO BE WEED-FREE WHEN OBSERVED AT

VIGOROUS GROUND COVERS: KEEP 200 MM CLEAR FROM THE BASE OF ANY SHRUB OR TREE. REMOVE AS FOLLOWS

LARGE AREAS: PROPRIETARY HERBICIDES. HERBICIDE APPLICATION: APPLY TO THE MANUFACTURER'S

INSPECTION: FORTNIGHTLY TO DETERMINE MULCH

REQUIREMENT: MAINTAIN MINIMUM DEPTH AS FOLLOWS:

REMULCHING: MAINTAIN THE ORIGINAL GROUND LEVELS AROUND

- TOTAL SOLUBLE SALTS LESS THAN 1000 MG/LITRE. NO SUBSTANCES TOXIC TO PLANT GROWTH.

WATERING PROGRAM: MINIMUM 3 COMPLETE WATERINGS SOAKING TO A DEPTH OF 150 MM AT FORTNIGHTLY INTERVALS FOR THE FIRST 6 WEEKS OF PLANT ESTABLISHMENT IRRESPECTIVE OF NATURAL RAINFALL. CONFIRM SOAKED DEPTH AND RECORD IN THE LOG BOOK.

WATER RESTRICTIONS: COORDINATE THE WATER SUPPLY AND CONFORM TO LEGISLATION AND RESTRICTIONS APPLYING AT THE TIME

#### HAND WATERING

REQUIREMENT: MANUALLY WATER ALL LAWN AND PLANTING AREAS IN ABSENCE OF AN IRRIGATION SYSTEM OR UNTIL THE PROPOSED IRRIGATION SYSTEM IS FULLY OPERATIONAL, AVOID FREQUENT DAMPENING OF THE SURFACE, ALLOW THE SURFACE OF THE SOIL TO PARTIALLY DRY OUT BETWEEN WATERINGS.

#### 02 SITE, URBAN AND OPEN SPACES-0241 LANDSCAPE- WALLING AND EDGING 2. PRODUCTS 2.1 GENERAL 2.2 TIMBER DURABILITY NATURAL DURABILITY CLASS TO AS 5604 (2022): CLASS 1. PRESERVATIVE TREATMENT TIMBER TYPE: PROVIDE ONLY TIMBERS WITH PRESERVATIVE

TREATMENT APPROPRIATE TO THE HAZARD CLASS. CUT SURFACES: PROVIDE SUPPLEMENTARY PRESERVATIVE TREATMENT TO ALL CUT AND DAMAGED SURFACES. CCA TREATED TIMBER: IF PROPOSED, PROVIDE DETAILS. HARDWOOD GENERAL: TO AS 2796.1 (1999) SECTION 2. SOFTWOOD

GENERAL: TO AS 4785.1 (2002) SECTION 2.

# 3. EXECUTION 3.7 EDGING

#### LOG EDGES

INSTALLATION: EXCAVATE TO LAY LOGS AT LEAST HALF DIAMETER INTO THE GROUND. SPIKE THROUGH LOGS WITH TWO 13 MM DIAMETER GALVANIZED MILD STEEL RODS PER LOG, PENETRATING A MINIMUM OF 500 MM INTO THE SUBGRADE DRIVE THE RODS. FLUSH WITH THE UPPER SURFACE OF THE LOG. BUTT THE LOGS TOGETHER TO A CLOSE NEAT FIT. SELECT ADJACENT LOGS WITH SIMILAR DIAMETER SAWN TIMBER

INSTALLATION: SET EDGINGS FLUSH WITH ADJOINING SURFACES. DRIVE PEGS INTO THE GROUND AT 1200 MM CENTRES ON THE PLANTING SIDE OF THE EDGING AND ON BOTH SIDES OF JOINTS BETWEEN BOARDS, WITH PEG TOPS 15 MM BELOW TOP OF EDGING. FIX THE PEGS WITH GALVANIZED NAILS, TWO PER FIXING. CURVING: SPACE THE PEGS TO HOLD EDGING TO A UNIFORM CURVE. REDUCE EDGING THICKNESS TO 15 MM IF REQUIRED FOR BENDING SLEEPER

INSTALLATION: SPIKE THROUGH SLEEPERS WITH TWO 13 MM DIAMETER GALVANIZED MILD STEEL RODS PER SLEEPER, PENETRATING A MINIMUM OF 500 MM INTO THE SUBGRADE. DRIVE THE RODS FLUSH WITH THE UPPER SURFACE OF THE SLEEPER ARRIS THE UPPER EXPOSED SLEEPER EDGES TO PRODUCE A 15 MM WIDE FACE AT 45 DEGREES TO THE EDGES.

## LANDSCAPING SPECIFICATIONS

525-181 project

LP3 drawing no.

