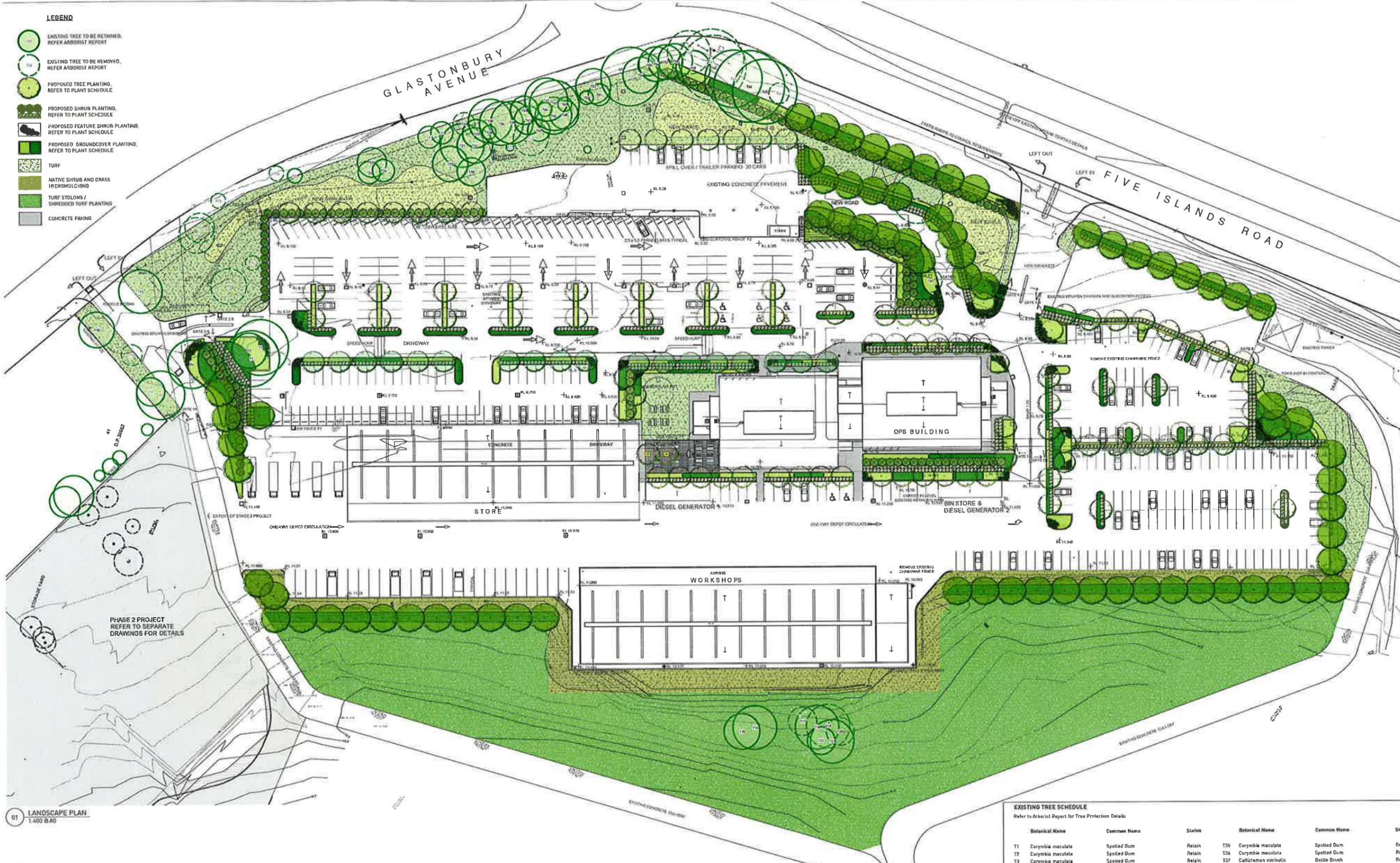


LEGEND

- EXISTING TREE TO BE RETAINED, REFER ARBORIST REPORT
- EXISTING TREE TO BE REMOVED, REFER ARBORIST REPORT
- PROPOSED TREE PLANTING, REFER TO PLANT SCHEDULE
- PROPOSED SHRUB PLANTING, REFER TO PLANT SCHEDULE
- PROPOSED FEATURE SHRUB PLANTING, REFER TO PLANT SCHEDULE
- PROPOSED GROUNDCOVER PLANTING, REFER TO PLANT SCHEDULE
- TURF
- NATIVE SHRUB AND GRASS HYDROMULCHING
- TURF STOLON / SHREDDED TURF PLANTING
- CONCRETE PAVING



LANDSCAPE SPECIFICATION NOTES

SERVICES
Before landscape work is commenced the Landscape Contractor is to establish the position of all service lines and ensure tree planting is carried out at least 3 metres away from these services. Service lines into and hydrants shall be left exposed and not covered by any landscape finishes, paving, garden beds etc. Finish adjoining surfaces flush with pit lids.

PLANTING MIXTURE
Shall be homogenous blend of soil and additives in the following proportions:
Existing site soil if suitable or imported Topsoil 50%
Compost 30%
D/W Sand 20%
Soil testing of existing site soil to be undertaken to assess suitability of use as planting topsoil and compliance with Australian Standards.

MULCH APPLICATION
Place mulch to the required depth. Refer to drawings for clear of plant stems, and rake to an even surface finishing 25mm below adjoining levels. Ensure mulch is material in and lapped down during installation.

MULCH TYPE
Pine bark. From mature trees, graded to size from 15mm to 30mm. Free from wood slivers. Dark brown in colour and texture.

COMPOST
Shall be well rotted vegetable material or animal manure, or other approved material, free from harmful chemicals, grass and weed growth and with neutral pH. Provide a certificate of proof of pH upon request.

PLANT MATERIAL
All plants supplied are to conform with those species listed in the Plant Schedule on the drawings. Generally plants shall be vigorous, well established, all of good form consistent with species or variety, not soft or forced, free from disease or insect pests with large healthy root systems and no evidence of having been restricted or damaged. Stock shall have a leading shoot, immediately upon receipt of stock, damaged or unhealthy plant material before planting. All stock is to be container grown for a minimum of six (6) months prior to delivery to site.

FERTILISER
MISS PLANTING AREAS: Fertiliser shall be "Nutricore" or approved equivalent in granule form intended for slow release of plant nutrients over a period of approximately nine months. Thoroughly mix fertiliser with planting mixture at the recommended rate, prior to installing plants.
TURF: Shall be Shorty's No. 17 or approved equal thoroughly mixed into the topsoil prior to planting turf.
TREES IN GRASS AND SUPER ADVANCED TREES: Pellets shall be in the form intended to uniformly release plant food elements for a period of approximately nine months equal to Shorty's Super pellets, analysis 0.21.0.2.0. Super pellets shall be placed in the form of planting in the base of the plant, 50mm minimum from the root ball at a rate of two pellets per 200mm of top growth to a maximum of 8 pellets per tree.

STAKING AND TYING
Stakes shall be straight hardwood, free from knots and twigs, pointed at one end and sized according to size of plants to be staked.
a. 5-15 litre size plant 141000x25x25mm
b. 25-75 litre size plant 241500x30x30mm
c. 100-greater than 200litre 341800x40x40mm
Ties shall be 50mm wide hessian webbing or approved equivalent nailed or stapled to stake. Drive stakes a minimum one third of their length, avoiding damage to the root system, on the windward side of the plant.

TURF
Obtain turf from a specialist grower of cultivated turf. Turf shall be of even thickness, free from weeds and other foreign matter, lay in stretcher patterns with joints staggered and close butted. Water immediately after laying.
TURF TYPE: Khyu

LANDSCAPE MAINTENANCE PROGRAM
Maintenance shall mean the care and maintenance of the landscape works by accepted horticultural practice as set forth in any defects that become apparent in the landscape works under normal use. This shall include, but shall not be limited to, watering, mowing, weeding, reseed, raking, pruning, pest and disease control, staking and tying, replanting, cultivation, growing, watering, reworking, top dressing, maintaining the site in a neat and tidy condition as follows:-

GENERAL
The landscape contractor shall maintain the landscape works for the term of the maintenance (or Plant Establishment) period to the satisfaction of the Council. The landscape contractor shall attend to any maintenance on a weekly basis. The maintenance period shall commence at practical completion and continue for a period of twenty six (26) weeks.

WATERING
Grass, lawn and garden areas shall be watered regularly so as to ensure continuous healthy growth.

RUBBISH REMOVAL
During the term of the maintenance period the landscape contractor shall remove rubbish that may occur and reoccur throughout the maintenance period. This work shall be carried out regularly so that at weekly intervals the area may be observed in a completely clean and tidy condition.

REPLACEMENTS
The landscape contractor shall replace all plants that are missing, unhealthy or dead at the Landscape Contractor's cost. Replacements shall be of the same size, quality and species as the plant that has failed unless otherwise directed by the Landscape Architect. Replacements shall be made on a continuing basis not exceeding two (2) weeks after the plant has died or is seen to be missing.

STAKES AND TIES
The landscape contractor shall replace or adjust plant stakes, and tree guards as necessary or as directed by the Landscape Architect. Remove stakes and ties at the end of the maintenance period if so directed.

PRUNING
Trees and shrubs shall be pruned as directed by the Landscape Architect. Pruning will be directed to the maintenance of the dense foliage or maculoseous pruning and beneficial to the condition of the plants. Any damaged growth shall be pruned. All ground material shall be removed from the site.

MULCHED SURFACES
All mulched surfaces shall be maintained in a clean and tidy condition and be reinstated if necessary to ensure that a depth of 75mm is maintained. Ensure mulch is kept clear of staked plants at all times.

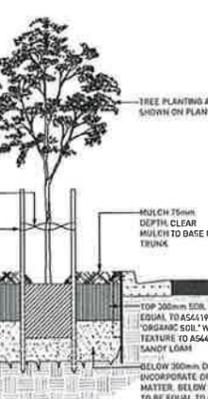
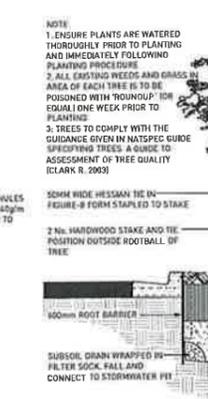
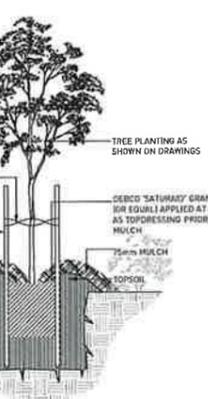
PEST AND DISEASE CONTROL
The landscape contractor shall spray against insect and fungus infestation with all spraying to be carried out in accordance with the manufacturer's directions. Report all instances of pests and diseases immediately that they are detected to the Landscape Architect.

GRASS AND TURF AREAS
The landscape contractor shall maintain all grass and turf areas by watering, weeding, reseed, raking, mowing, mowing, either operation as necessary. Seed and turf species shall be the same as the original specified mixture. Grass and turf areas shall be sprayed with approved selective herbicide against broad leaved weeds as required by the Landscape Architect not in accordance with the manufacturer's directions. Grass and turf areas shall be fertilised once a year in autumn with "Dynamic Lifer" for lawns at a rate of 20kg per 100sqm. Fertiliser shall be watered in immediately after application. Irregularities in the grass and turf shall be watered in immediately after application. Grass and turf areas shall be kept mown to maintain a healthy and vigorous sward. Mowing height 30-50mm.

WEED ERADICATION
Eradicate weeds by environmentally acceptable methods using a non-residual glyphosate herbicide (eg. Roundup) in any of its registered formulations. All the recommended maintenance rates. Regularly remove by hand, weed growth that may occur or recur throughout grassed, planted and mulched areas. Remove weed growth from an area 750mm diameter around the base of trees in grassed areas. Continue eradication throughout the course of the weeks said during the maintenance period.

SOIL SUSCEPTIBILITY
Any soil subsidence or erosion which may occur after the soil filling and preparation operations shall be made good by the landscape contractor at no cost to the client.

01 LANDSCAPE PLAN
1:400 @ A0



02 TREE PLANTING
Detail 1:20 @ A0

03 TREE PLANTING IN CARPARK
Detail 1:20 @ A0

04 SHRUB / GROUNDCOVER PLANTING
Detail 1:20 @ A0

INDICATIVE PLANT SCHEDULE

Botanical Name	Common Name	Height x Spread	Pat Site	Density
TREES				
Brachyglottis acuminata	Flame Tree	15 x 6m	45L	As shown
Corymbia maculata	Spotted Gum	20 x 10m	45L	As shown
Coprosma attenuata	Tuckeroo	8 x 5m	45L	As shown
Eucalyptus paniculata	Grey Ironbark	20 x 10m	45L	As shown
Tristania thymifolia	Water Gum	8 x 6m	45L	As shown
SHRUBS				
Azania 'Hot Flash'	Lily Pilly	2 x 2m	200mm	1/m ²
Cereus alba	White Cactus	2 x 2m	200mm	1/m ²
Boerhaavia tripartita	Hop Bush	3 x 2m	200mm	1/m ²
Grevillea	Grevillea	3 x 2m	200mm	1/m ²
Westringia holboellii	Native Rosemary	1 x 2m	200mm	1/m ²
GROUNDCOVERS AND NATIVE GRASSES				
Paroo Lily	Paroo Lily	1 x 1m	150mm	3/m ²
Handbergia australis	Falco Sarsaparilla	0.2 x 1m	150mm	3/m ²
Hibbertia acuminata	Gauche Flower	0.3 x 1m	150mm	3/m ²
Lemnanea 'Taitaka'	Mat Rush	1 x 1m	150mm	3/m ²
Lamanea longifolia	Mat Rush	1 x 1m	150mm	3/m ²
Myoporum parviflorum	Creeping Bossiella	0.3 x 1m	150mm	3/m ²
FEATURE SHRUBS				
Croton pedunculatus	Swamp Lily	2 x 2m	200mm	1/m ²
Oryzopsis aspera	Oryza Lily	2 x 2m	200mm	1/m ²
Platanus lancea	NZ Flax	2 x 2m	200mm	1/m ²

EXISTING TREE SCHEDULE

Refer to Arborist Report for Tree Protection Details

Botanical Name	Common Name	Status	Botanical Name	Common Name	Status
T1	Corymbia maculata	Spotted Gum	T95	Corymbia maculata	Spotted Gum
T2	Corymbia maculata	Spotted Gum	T96	Corymbia maculata	Spotted Gum
T3	Corymbia maculata	Spotted Gum	T97	Callistemon viminalis	Bottle Brush
T4	Corymbia maculata	Spotted Gum	T98	Corymbia maculata	Spotted Gum
T5	Eucalyptus nicholia	Narrow Leaf Paperbark	T99	Corymbia maculata	Spotted Gum
T6	Syagrus romanzoffiana	Cocos Palm	T100	Corymbia maculata	Spotted Gum
T7	Corymbia maculata	Spotted Gum	T101	Corymbia maculata	Spotted Gum
T8	Corymbia maculata	Spotted Gum	T102	Callistemon viminalis	Bottle Brush
T9	Corymbia maculata	Spotted Gum	T103	Callistemon viminalis	Bottle Brush
T10	Corymbia maculata	Spotted Gum	T104	Malaleuca arbuscula	Honey Myrtle
T11	Corymbia maculata	Spotted Gum	T105	Corymbia maculata	Spotted Gum
T12	Callistemon viminalis	Bottle Brush	T106	Corymbia maculata	Spotted Gum
T13	Corymbia maculata	Spotted Gum	T107	Corymbia maculata	Spotted Gum
T14	Corymbia maculata	Spotted Gum	T108	Corymbia maculata	Spotted Gum
T15	Corymbia maculata	Spotted Gum	T109	Corymbia maculata	Spotted Gum
T16	Corymbia maculata	Spotted Gum	T110	Corymbia maculata	Spotted Gum
T17	Corymbia maculata	Spotted Gum	T111	Corymbia maculata	Spotted Gum
T18	Corymbia maculata	Spotted Gum	T112	Corymbia maculata	Spotted Gum
T19	Corymbia maculata	Spotted Gum	T113	Corymbia maculata	Spotted Gum
T20	Corymbia maculata	Spotted Gum	T114	Corymbia maculata	Spotted Gum
T21	Corymbia maculata	Spotted Gum	T115	Corymbia maculata	Spotted Gum
T22	Corymbia maculata	Spotted Gum	T116	Corymbia maculata	Spotted Gum
T23	Corymbia maculata	Spotted Gum	T117	Corymbia maculata	Spotted Gum
T24	Callistemon viminalis	Bottle Brush	T118	Corymbia maculata	Spotted Gum
T25	Callistemon viminalis	Bottle Brush	T119	Corymbia maculata	Spotted Gum
T26	Callistemon viminalis	Bottle Brush	T120	Corymbia maculata	Spotted Gum
T27	Lophostemon confertus	Brush Box	T121	Corymbia maculata	Spotted Gum
T28	Lophostemon confertus	Brush Box	T122	Corymbia maculata	Spotted Gum
T29	Corymbia maculata	Spotted Gum	T123	Corymbia maculata	Spotted Gum
T30	Eucalyptus latigata	Brown Barrel	T124	Callistemon viminalis	Bottle Brush
T31	Corymbia maculata	Spotted Gum			
T32	Corymbia maculata	Spotted Gum			
T33	Corymbia maculata	Spotted Gum			
T34	Callistemon viminalis	Bottle Brush			

SPRINGHILL FSC, STAGE 3

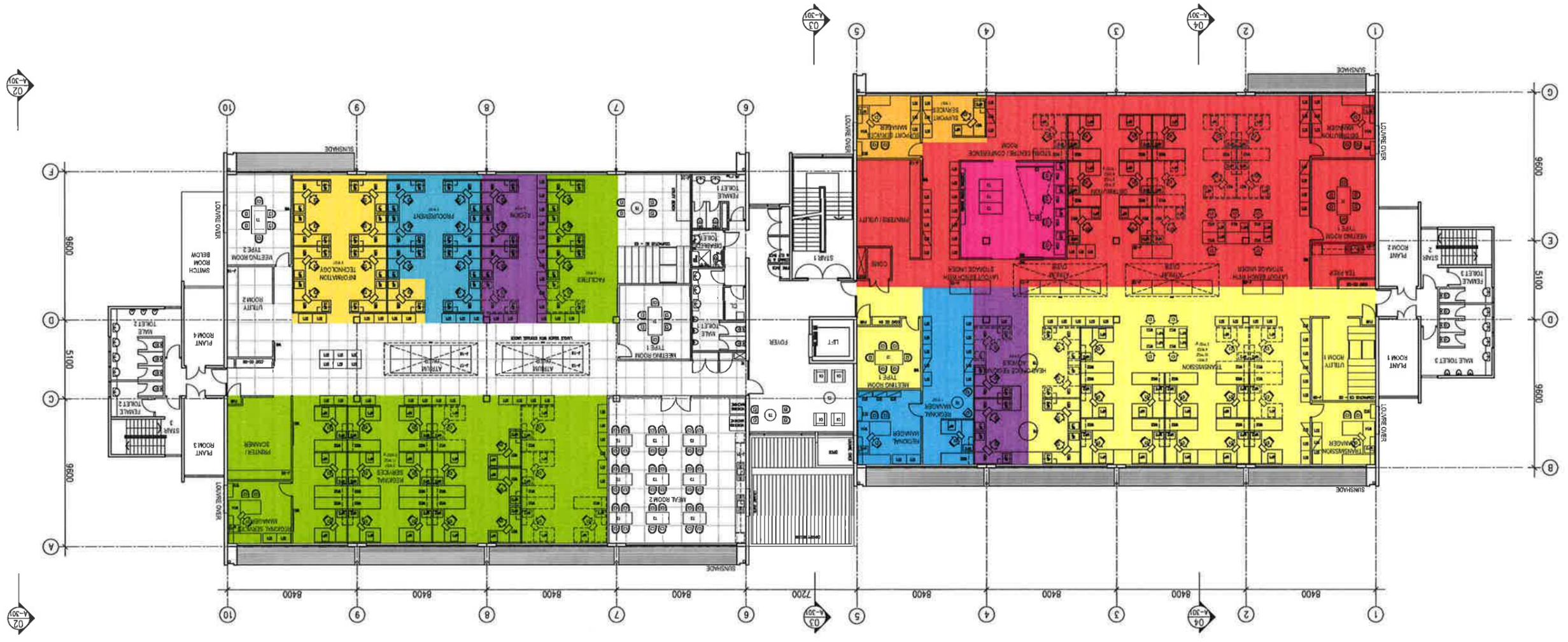
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PROJECT ADDRESS: 191-195 Five Islands Road
LOCATION: UNIMBERG
DRAWING TITLE: Landscape Plan
ORIGINAL MEDIA SIZE: A0
PLOT TIME: 20.12.10
STATUS: F

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 1021
 SPRINGFIELD, RPO, STAGE 3
 LEVEL 1 FLOOR PLAN
 Q3 2010
 DA ISSUE

LEGEND
 ROOM NAME
 ROOM NUMBER
 ROOM TYPE
 ROOM AREA
 ROOM VOLUME
 ROOM PERIMETER
 ROOM CENTER
 ROOM CORNER
 ROOM EDGE
 ROOM INTERIOR
 ROOM EXTERIOR
 ROOM SURFACE
 ROOM MATERIAL
 ROOM FINISH
 ROOM COLOR
 ROOM TEXTURE
 ROOM PATTERN
 ROOM SCALE
 ROOM PROPORTION
 ROOM BALANCE
 ROOM HARMONY
 ROOM CONTRAST
 ROOM RHYTHM
 ROOM UNITY
 ROOM COHESION
 ROOM INTEGRATION
 ROOM COMPLETION
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 ROOM COMPLETION
 ROOM PERFECTION



DAISSUE

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SPRINGHILL PSC, STAGE 3
181-183 THE STRAITS ROAD, UNIVERSITY

DATE: 15/01/2015
SCALE: 1:500
DRAWN BY: [Name]
CHECKED BY: [Name]
APPROVED BY: [Name]

LEGEND

ROOM NAME ROOM NO. ROOM TYPE

SCREENED EQUIPMENT PLATFORM

FIXED WINDOWS

VOID

STAIR 1

STAIR 2

STAIR 3

GEN. LADDER

GEN. STAIRS

FLAT ROOF

GEN. LADDER

GEN. STAIRS

FLAT ROOF

LEGEND

SCREENED EQUIPMENT PLATFORM

FIXED WINDOWS

VOID

STAIR 1

STAIR 2

STAIR 3

GEN. LADDER

GEN. STAIRS

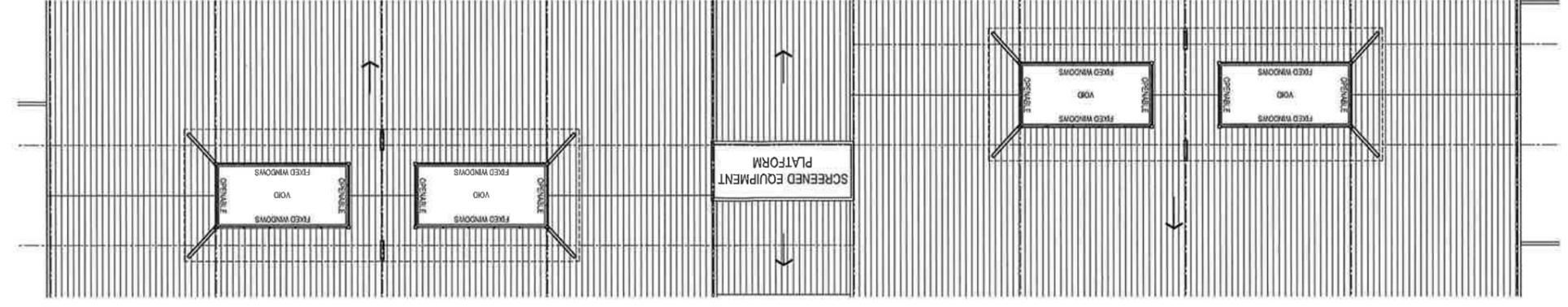
FLAT ROOF

GEN. LADDER

GEN. STAIRS

FLAT ROOF

00 ROOF LIGHT WELL PLAN



01 ROOF PLAN

