

LEGEND

- Tree planting.  
Refer Plant Schedule: L03
- Large shrub / screen planting.  
Refer Plant Schedule: L03
- Feature planting.  
Refer Plant Schedule: L03
- Shrub and groundcover planting.  
Refer Plant Schedule: L03
- Turf
- Timber edge
- Concrete pavement
- Site boundary
- Stage 2 boundary
- 'Diplomat' fencing to match  
neighbouring development

01 LANDSCAPE MASTERPLAN  
PLAN 1:500 @ A1

OSD BASIN AMENDED	NB	10.11.08	G
STORMWATER LAYOUT AMENDED	SM	15.09.08	F
DRIVEWAY AMENDED	NB	11.09.08	E
BUILDING LAYOUT AMENDED	NB	08.09.08	D
STAGE 2 PLANTING ADDED	NB	31.07.08	C
GATEHOUSE ADDED	NB	30.07.08	B
CLIENT ISSUE	NB	21.07.08	A
PURPOSE OF ISSUE	REVIEW	DATE	ISSUE

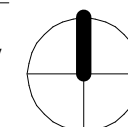
Connect Site D - VersaCold  
Erskine Park

CLIENT PROJECT ADDRESS LOCATION  
GPT Lenore Drive  
Erskine Park  
DRAWING TITLE  
ORIGINAL MEDIA SIZE  
PLOT TIME  
STATUS  
Landscape Plan  
A1  
10.11.08  
6

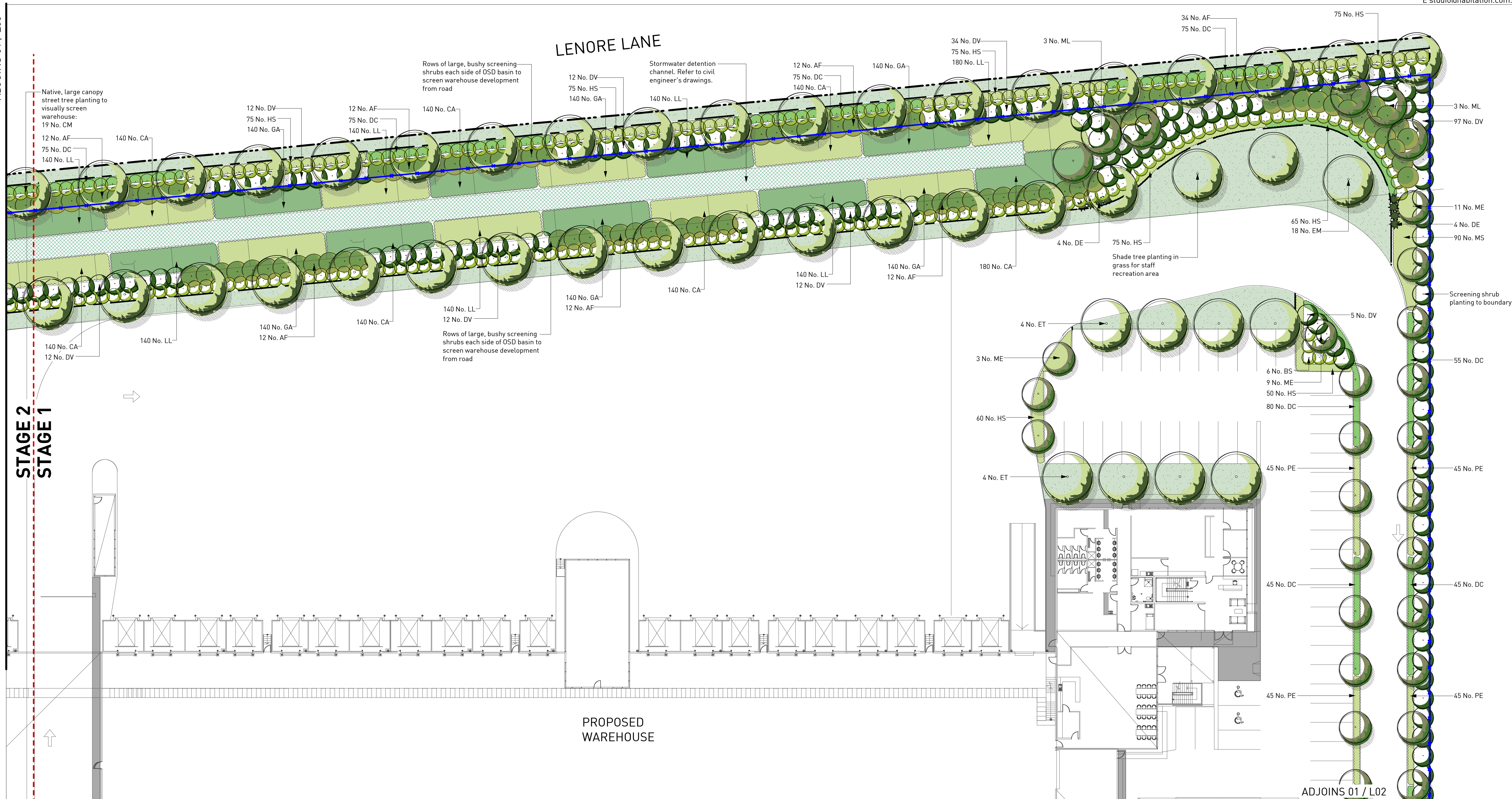
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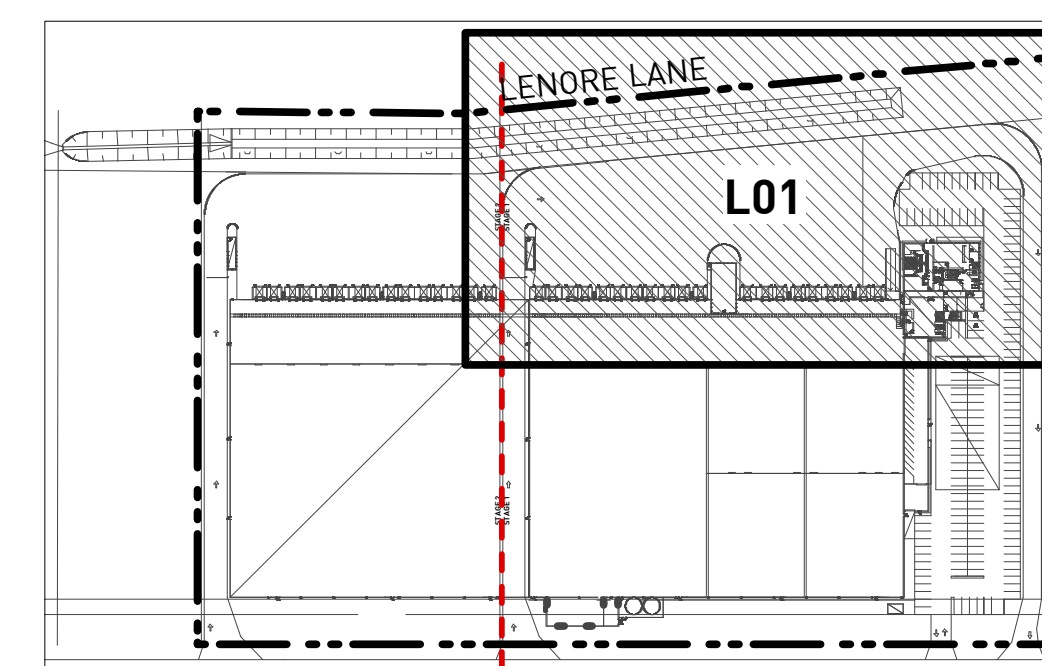
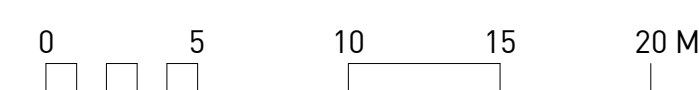






### LEGEND

- |   |   |   |  |   |                   |  |   |
|---|---|---|--|---|-------------------|--|---|
|  | Tree planting.<br>Refer Plant Schedule: L03                 |  | Shrub and groundcover planting.<br>Refer Plant Schedule: L03 |  | Concrete pavement |  | 'Diplomat' fencing to match<br>neighbouring development |
|  | Large shrub / screen planting.<br>Refer Plant Schedule: L03 |  | Turf   |  | Site boundary     |  |   |
|  | Feature planting.<br>Refer Plant Schedule: L03              |  | Timber edge  |  | Stage 2 boundary  |  |   |



## KEYPLAN

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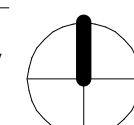
## Connect Site D - VersaCold Erskine Park

CLIENT	GPT
PROJECT ADDRESS	Lenore Drive
LOCATION	Erskine Park
DRAWING TITLE	Landscape Plan
ORIGINAL MEDIA SIZE	A1
PLOT TIME	10.11.08
STATUS	G

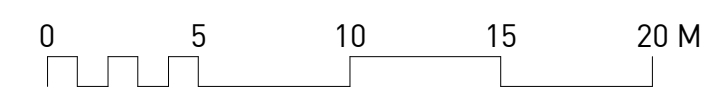
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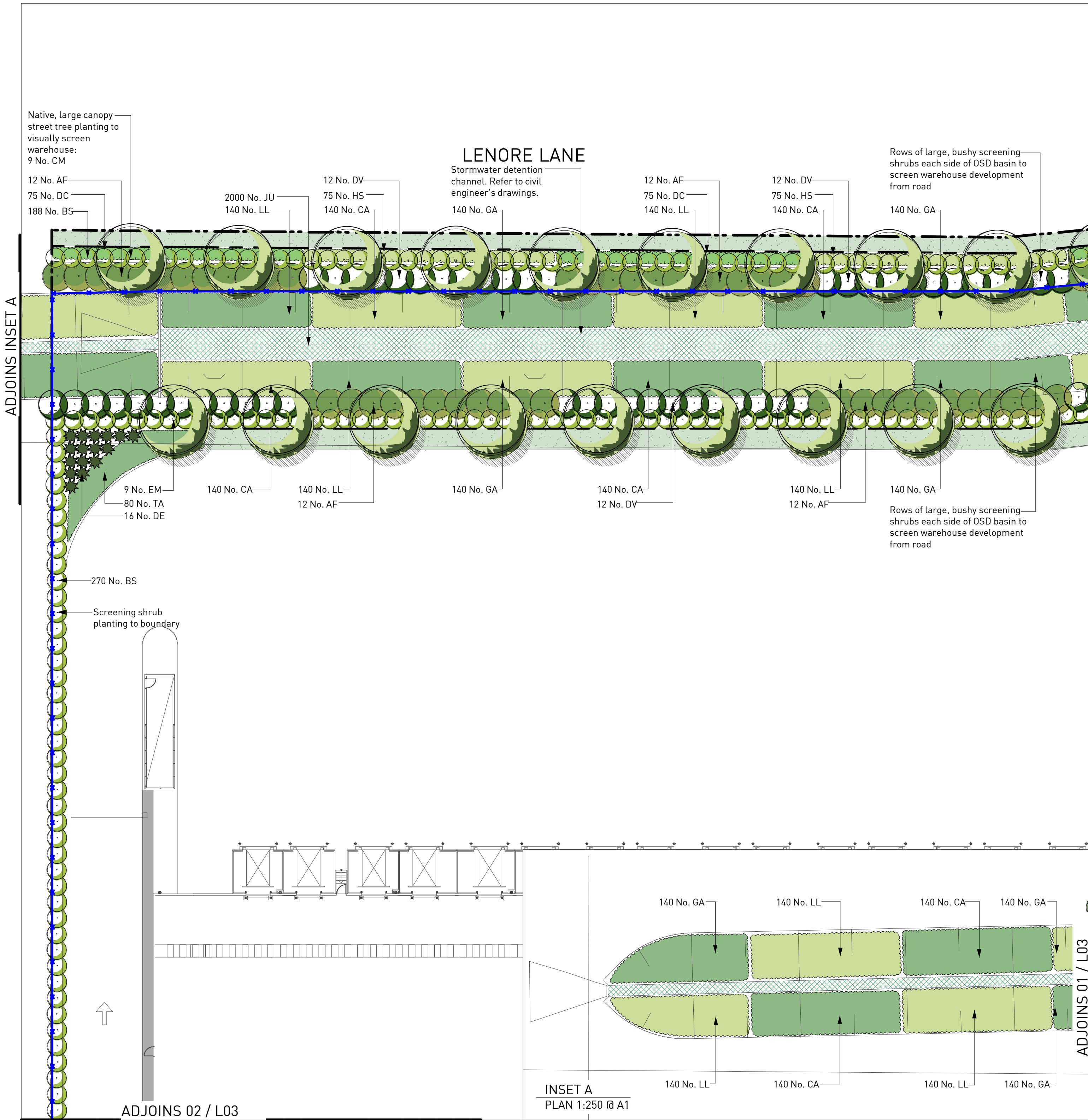
'Diplomat' fencing to match neighbouring development

CLIENT PROJECT ADDRESS LOCATION	GPT Lenore Drive Erskine Park
DRAWING TITLE	Landscape Plan
ORIGINAL MEDIA SIZE	A1
PLOT TIME	10.11.08
STATUS	G

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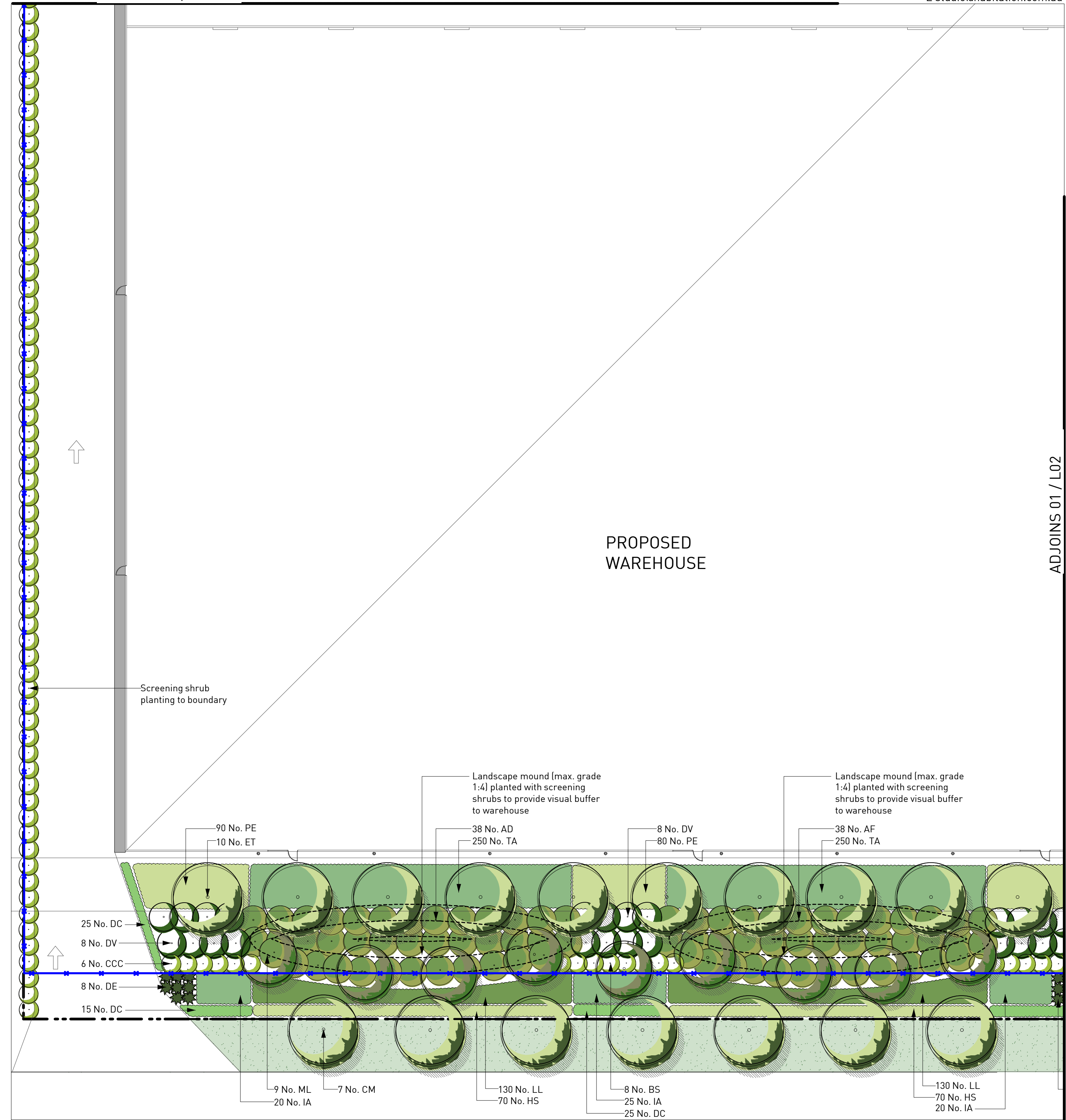
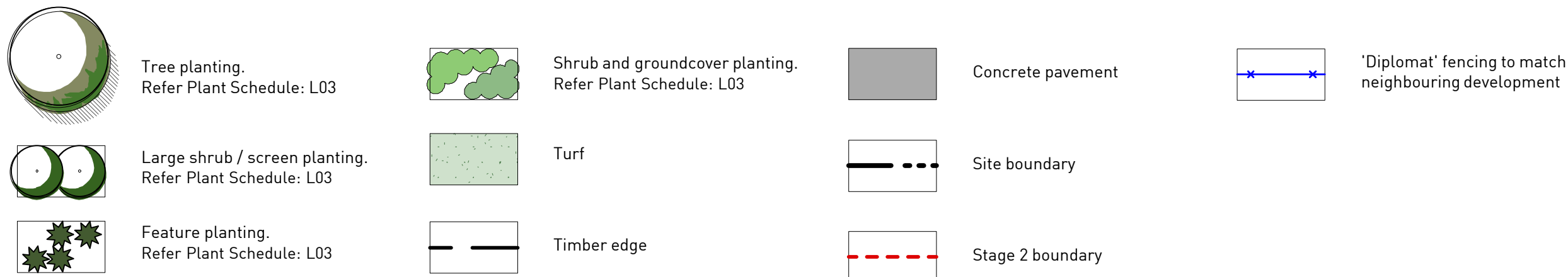




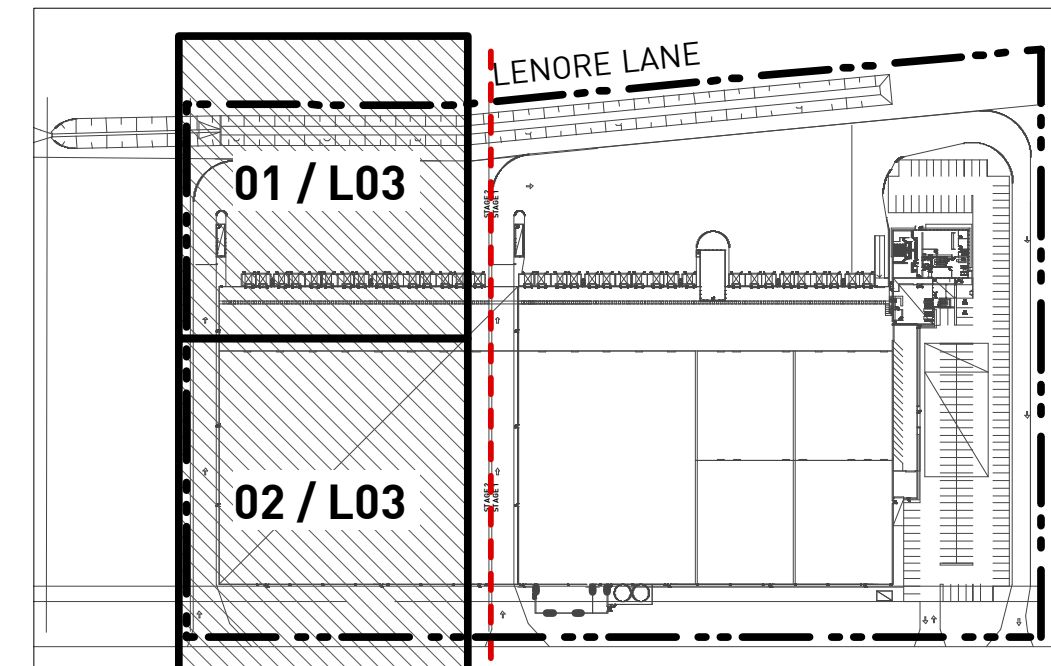


01 LANDSCAPE PLAN  
PLAN 1:250 @ A1

LEGEND



02 LANDSCAPE PLAN  
PLAN 1:250 @ A1



KEYPLAN

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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 lids, vents and hydrants shall be left exposed and not covered by any landscape finishes (turfing, 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:  
Imported Topsoil 50%  
Compost 30%  
D/W Sand 20%

MULCH

APPLICATION: Place mulch to the required depth, (refer to drawings) clear of plant stems, and rake to an even surface finishing 25mm below adjoining levels. Ensure mulch is watered in and tamped down during installation.  
MULCH TYPE:  
Brush chippings and leaf litter: approved vegetative material (which may include leaf matter and tree loppings from Eucalyptus, Tristania, Pinus or other suitable species, but not privet, camphor laurel, coral tree, poplar, willow, or noxious weeds), processed through a chipper to pieces not larger than 75x50x15mm.  
Hardwood chip: 25mm size brown hardwood chips from purpose grown hardwood plantations.  
Decomposed granite gravel: Uniform size or graded material in size range 5mm to 20mm, uniform colour and plasticity. Pink to light brown colour.

COMPOST

Shall be "Mixed Compost" as available from Dapto Sands and Supersols Pty Ltd, Tel: 042 613 844 or an approved equal. Shall be well rotted vegetative 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.  
Shall be "Spent Mushroom Compost". Typical of the compost used throughout the mushroom industry with neutral pH value free from grass and weed growth. Provide a certificate of proof of pH value of compost 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, hardened off, 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. Trees shall have a leading shoot. Immediately reject dried out, 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

MASS PLANTING AREAS: Fertiliser shall be 'Nutricote' 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 Shirleys No. 17 or approved equal thoroughly mixed into the topsoil prior to placing 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 Shirleys Kokei pellets, analysis 6.3:1.8:2.9. Kokei pellets shall be placed at the time of planting to the base of the plant, 50mm minimum from the root ball at a rate of two pellets per 300mm of top growth to a maximum of 8 pellets per tree.

STAKING AND TYING

Stakes shall be straight hardwood, free from knots and twists, pointed at one end and sized according to size of plants to be staked.  
a. 5-15 litre size plant 1x(1200x25x25mm)  
b. 35-75 litre size plant 2x(1500x38x38mm)  
c. 100-greater than 200litre 3x(1800x50x50mm)  
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 pattern with joints staggered and close butted. Water immediately after laying.  
TURF TYPE: Greenlees Park Couch

LANDSCAPE MAINTENANCE PROGRAM

Maintenance shall mean the care and maintenance of the landscape works by accepted horticultural practice as rectifying any defects that become apparent in the landscape works under normal use. This shall include, but shall not be limited to, watering, mowing, fertilising, reseeding, returfing, weeding, pest and disease control, staking and tying, replanting, cultivation, pruning, aerating, renovating, 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 the site on a weekly basis. The maintenance period shall commence at practical completion and continue for a period of twenty six (26) weeks.

WATERING

Grass, trees 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 at the maintenance of the dense foliage or miscellaneous pruning and beneficial to the condition of the plants. Any damaged growth shall be pruned. All pruned 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 plant stems 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, reseeding, rolling, mowing, trimming or other operations 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 and in accordance with the manufacturer's directions. Grass and turf areas shall be fertilised once a year in autumn with "Dynamic Lifter" for lawns at a rate of 20kg per 100m2. 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 formulae, at the recommended maximum rate. 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 works and during the maintenance period.

SOIL SUBSIDENCE

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.

TEMPORARY HYDROMULCH TO STAGE 2 AREA SPECIFICATION NOTES

SITE PREPARATION

Where possible, prior to topsoiling, the areas should be deep ripped. After topsoiling, all areas to be seeded shall be scarified to provide a reasonably firm but friable seed bed, free of weed or plant growth, large stones or other debris, and the whole left ready for hydromulching.

APPLICATION RATES

The required areas shall be treated by the Contractor with the following:  
a) Certified Seed - Minimum 56 Kg per hectare. The seed mix will vary according to the season, soil condition and client requirement  
b) Fertilizer - 250 kg to 400 kg per hectare. Selection will depend on soil analysis results and client requirement  
c) Wood Fibre - Defibrated pinus radiata dyed green. 2.5 tonnes per ha.

d) Binder - Anionic Bitumen Emulsion or Polymer Binder. Anionic Bitumen Emulsion 50/50 bitumen water 1,000-2,000 litres per hectare. Polymer binder maximum 250 litres per hectare.  
Note: The seed and fertilizer application rates are a representative sample only of the minimum quantities that should be applied per hectare.

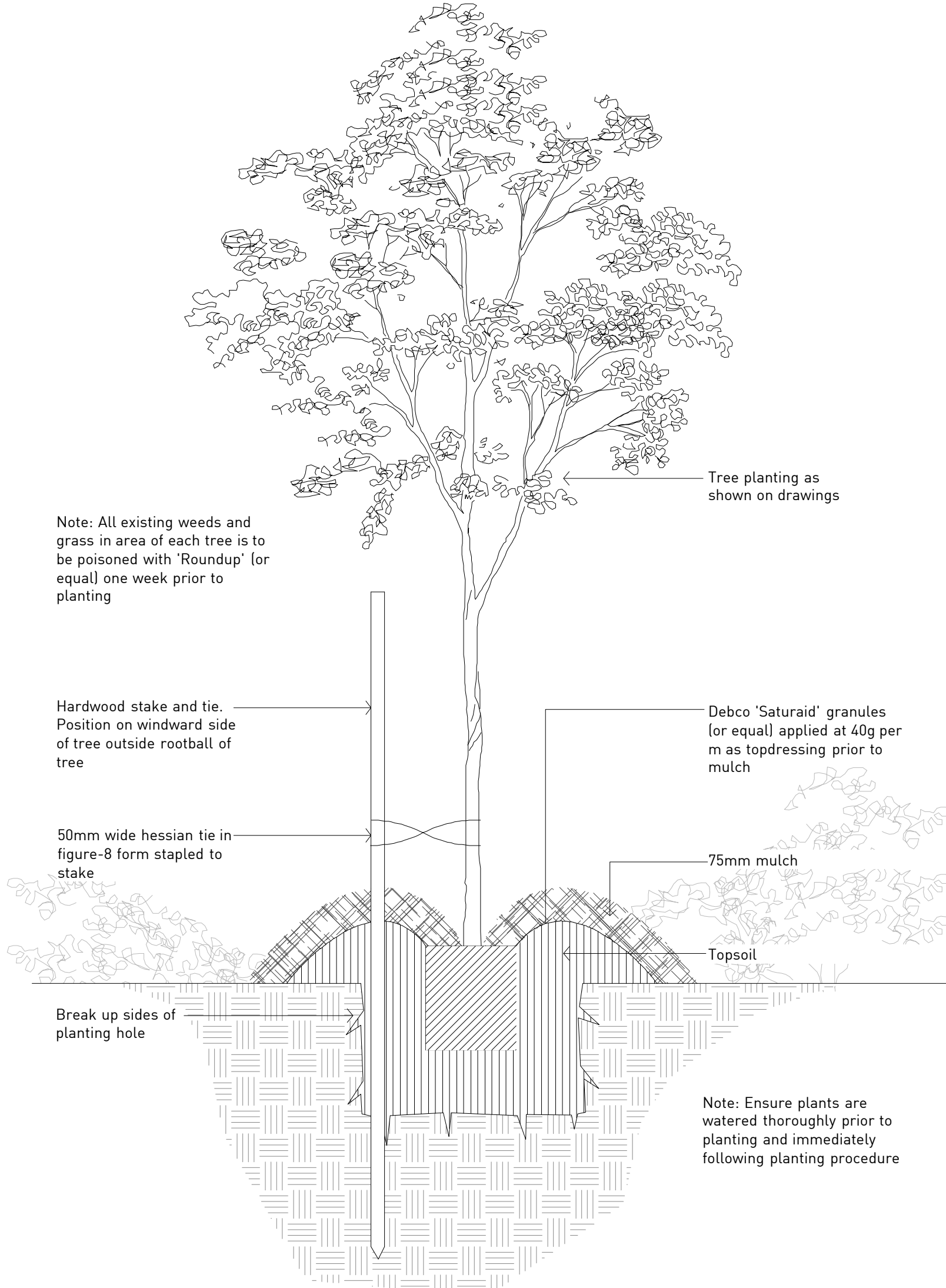
OPERATION

Seed, fertilizer, wook-fibre mulch, water and binder (where required) shall be thoroughly mixed together with water to provide a slurry and then applied under pressure on to the area to be treated by means of hydromulching equipment specifically designed for this purpose and by operators trained in the use of this equipment.

AFTER CARE MAINTENANCE

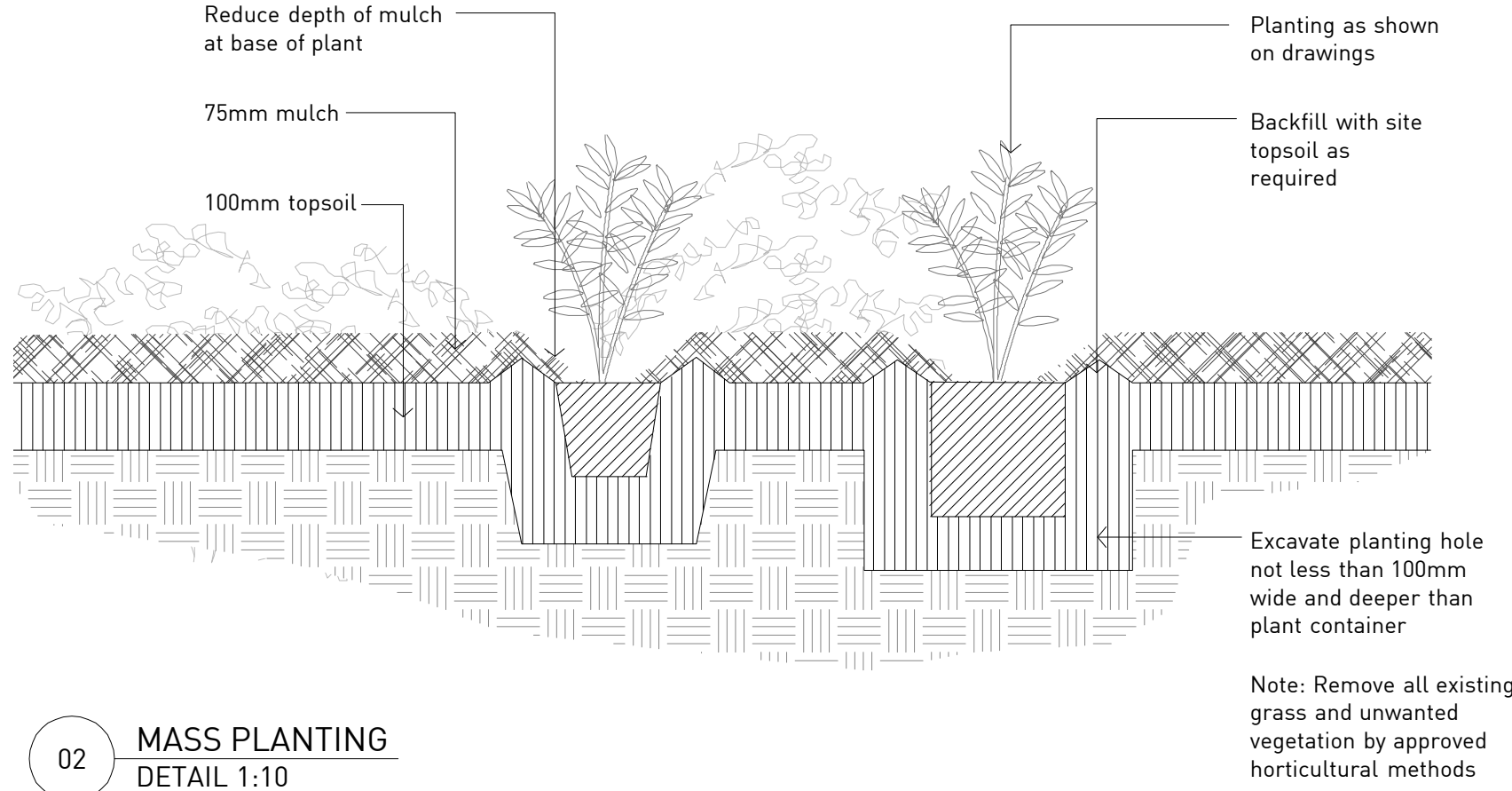
Where possible, adequate water to ensure a continuous vigorous and healthy growth of grass shall be applied regularly. A great deal will depend on natural rainfall, but as a general guide, 25mm of water should be applied to all seeded areas weekly. It is important that the wood fibre mulch be kept moist until germination occurs. After that, sufficient watering must be kept up until a healthy sward of grass is achieved.

Six weeks after germination, sulphate of ammonia should be applied by hand or mechanical spreader and well watered into the grass, or it may be applied in solution. After the grass has reached a height of 20mm to 300mm it shall be done by tractor-drawn equipment and clippings shall not be collected.

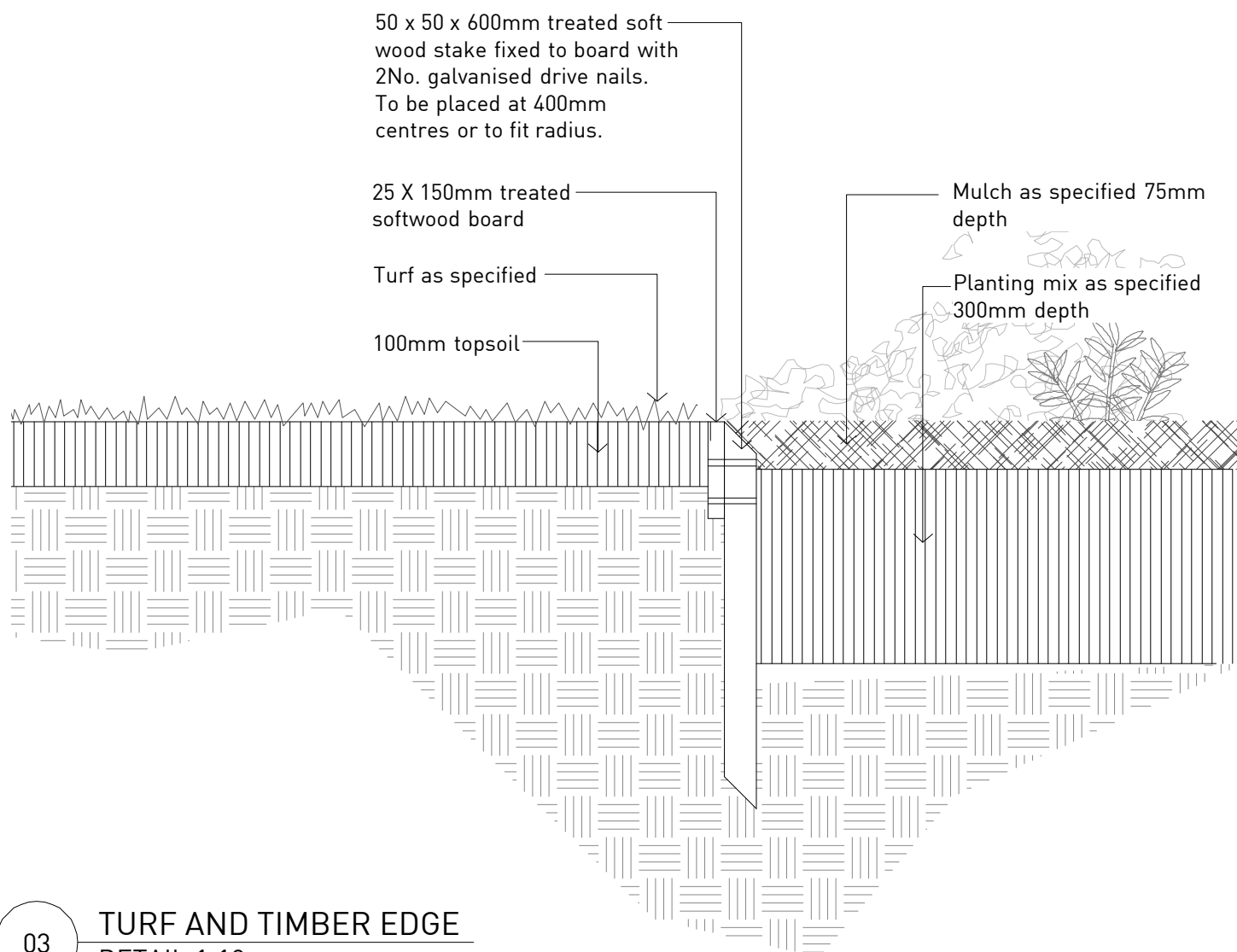


01 TREE PLANTING  
DETAIL 1:10

PLANT SCHEDULE						
Symbol	Botanical Name	Common Name	Height	Pot Size	Density	Quantity
TREES						
CM	Corymbia maculata	Spotted Gum	30m	35L	As shown	50
EM	Eucalyputs mollucana	Grey Box	20m	35L	As shown	27
ET	Eucalyptus tereticornis	Forest Red Gum	20m	35L	As shown	27
ME	Melaleuca ericifolia	Swamp Paperbark	6m	35L	As shown	43
ML	Melaleuca linarifolia	Snow in Summer	6m	35L	As shown	37
SHRUBS						
AD	Acacia decurrens	Green Wattle	5m	200mm	As shown	76
AF	Acacia falcata	Hickory Wattle	5m	200mm	As shown	230
BS	Bursaria spinosa	Blackthorn	2m	200mm	1/m2	488
CCC	Callistemon Captain Cook	Bottlebrush	2m	200mm	1/m2	50
DE	Doryanthes excelsa	Gymea Lily	2m	200mm	1/m2	79
DV	Dodonaea viscosa angustissima	Hop Bush	3m	200mm	1/m2	304
IA	Indigophera australis	Indigo	2m	200mm	1/m2	165
GROUNDCOVERS AND NATIVE GRASSES						
CA	Carex appressa	Tall Sedge	1m	150mm	3/m2	1860
DC	Dianella caerulea	Paroo Lily	1m	150mm	3/m2	1272
GA	Gahnia aspera	Saw Sedge	1m	150mm	3/m2	1820
HS	Hibbertia scandens	Guinea Flower	under 1m	150mm	3/m2	1215
JU	Juncus usitatus	Knobby Club Rush	1m	150mm	3/m2	2000
LL	Lomandra longifolia	Mat Rush	1m	150mm	3/m2	2800
MS	Microlaena stipoides	Weeping Grass	1m	150mm	3/m2	90
PE	Poa 'Eskdale'	Tussock Grass	1m	150mm	3/m2	770
TA	Themeda australis	Kangaroo Grass	1m	150mm	2/m2	1080



02 MASS PLANTING  
DETAIL 1:10



03 TURF AND TIMBER EDGE  
DETAIL 1:10

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Connect Site D - VersaCold  
Erskine Park

CLIENT	GPT
PROJECT ADDRESS	Lenore Drive
LOCATION	Erskine Park
DRAWING TITLE	Landscape Details
ORIGINAL MEDIA SIZE	A1
PLOT TIME	10.11.08
STATUS	6

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