Legend

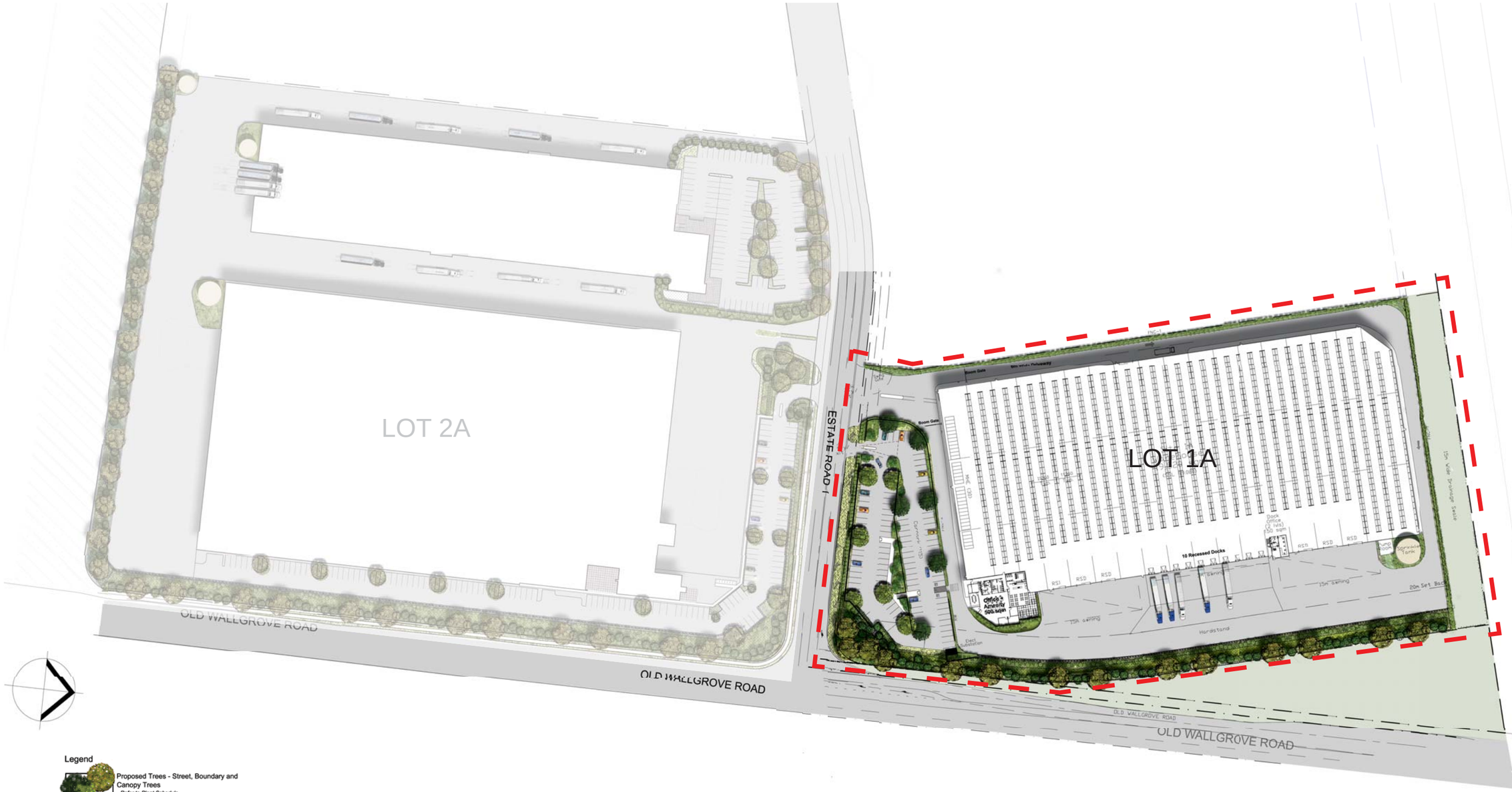
- Proposed Trees - Street, Boundary and Canopy Trees - *Refer to Plant Schedule*
- Proposed Trees - Car Park - *Refer to Plant Schedule*
- Proposed Shrub Planting - *Refer to Plant Schedule*
- Proposed Groundcover planting - *Refer to Plant Schedule*
- Proposed Accent planting - *Refer to Plant Schedule*
- Proposed Swale/Native Grass Planting
- Estate Entry Signage

SITE IMAGE

DRAWING NO: L 01
ISSUE: D
SCALE: NTS

CLIENT: GOODMAN INTERNATIONAL LTD
SI JOB NO: Z 1620
DATE: AUGUST 2012

OAKDALE CENTRAL LANDSCAPE MASTERPLAN



Legend

- Proposed Trees - Street, Boundary and Canopy Trees - *Refer to Plant Schedule*
- Proposed Trees - Car Park - *Refer to Plant Schedule*
- Proposed Shrub Planting - *Refer to Plant Schedule*
- Proposed Groundcover planting - *Refer to Plant Schedule*
- Proposed Accent planting - *Refer to Plant Schedule*
- Proposed Swale/Native Grass Planting
- Estate Entry Signage

SITE IMAGE

Goodman

DRAWING NO: L 02
ISSUE: D
SCALE: NTS

CLIENT: GOODMAN INTERNATIONAL LTD
SI JOB NO: Z 1620
DATE: AUGUST 2012

OAKDALE CENTRAL LANDSCAPE PLAN - LOT 1A

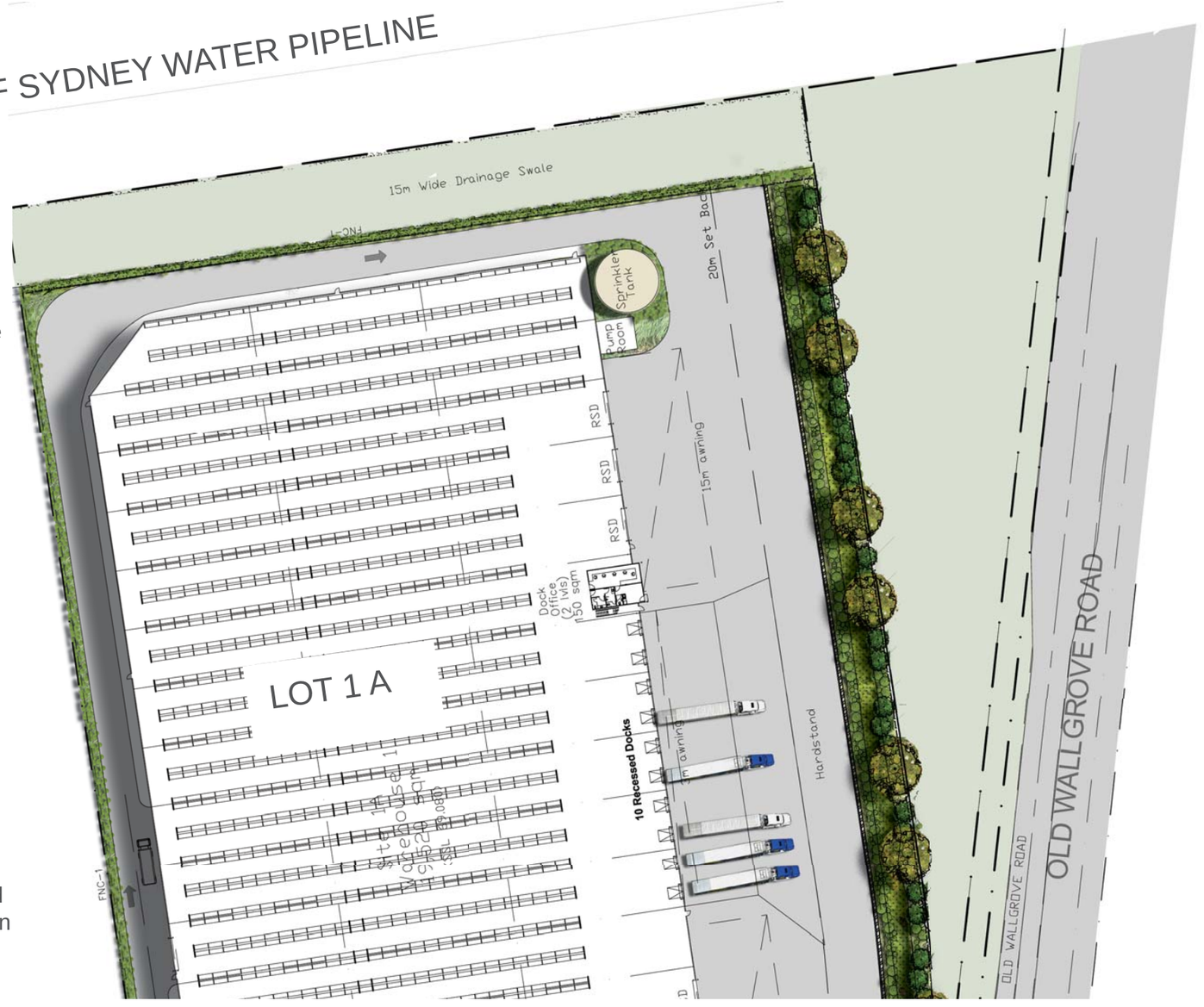
Landscape Architects

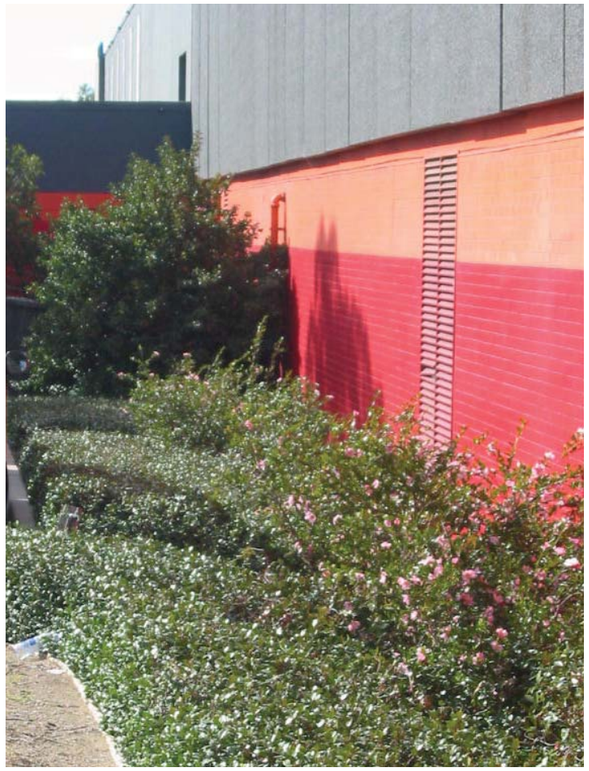
LOT 1A

This precinct plan shows the boundary condition along the frontage to Old Wallgrove Road and against the Sydney Water corridor. A native grass mix is to provide low maintenance landscape to these broad landscape areas, with a wide swale formed by the grading along the Sydney Water boundary. Further along this corridor where the potential for water collection increases, riparian treatments will progressively increase, culminating in full riparian waterway landscape treatments.

The level change into the site is achieved with a rip-rap stone wall below an evenly graded embankment. Landscape treatment is to be with matrix planting of native grasses, to be supplemented by climbing and trailing plants from the base and top of the embankment where more significant soil volumes can be achieved and maintained.

The footpath is to have lawn and street tree planting, which will be proposed as part of the separate documentation of Old Wallgrove Road to ensure full coordination with street lighting, services and the like.





SITE IMAGE

Goodman

DRAWING NO: L 03
ISSUE: D
SCALE: NTS

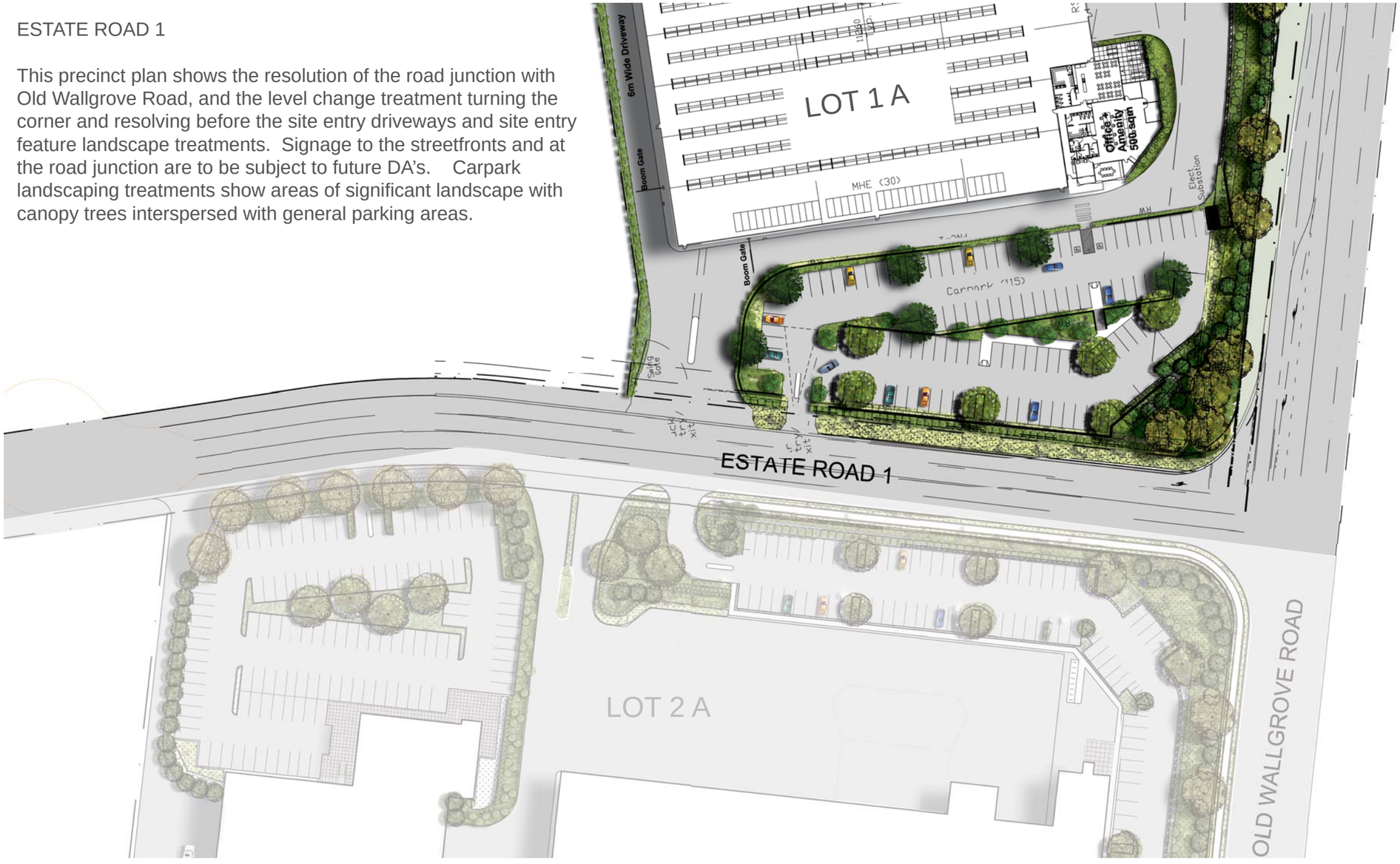
CLIENT: GOODMAN INTERNATIONAL LTD
SI JOB NO: Z 1620
DATE: AUGUST 2012

OAKDALE CENTRAL LANDSCAPE PRECINCDT PLAN - LOT 1A

Landscape Architects

ESTATE ROAD 1

This precinct plan shows the resolution of the road junction with Old Wallgrove Road, and the level change treatment turning the corner and resolving before the site entry driveways and site entry feature landscape treatments. Signage to the streetfronts and at the road junction are to be subject to future DA's. Carpark landscaping treatments show areas of significant landscape with canopy trees interspersed with general parking areas.



SITE IMAGE

Goodman

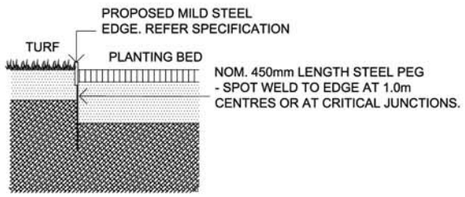
DRAWING NO: L 04
ISSUE: D
SCALE: NTS

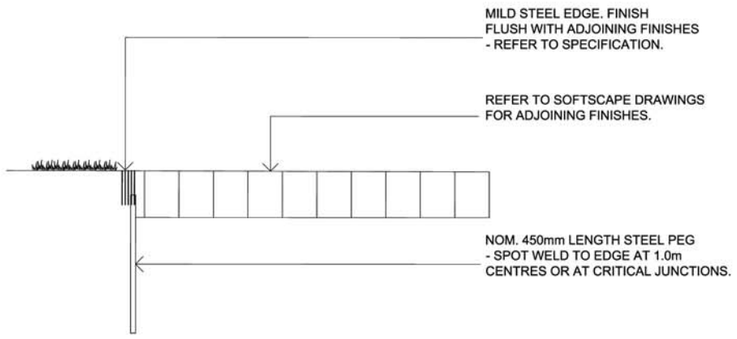
CLIENT: GOODMAN INTERNATIONAL LTD
SI JOB NO: Z 1620
DATE: AUGUST 2012

OAKDALE CENTRAL

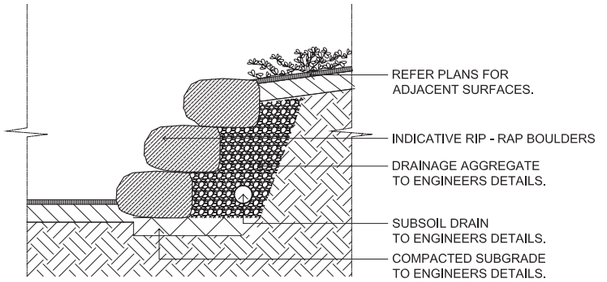
LANDSCAPE PRECINCT PLAN - ESTATE ROAD 1

Landscape Architects

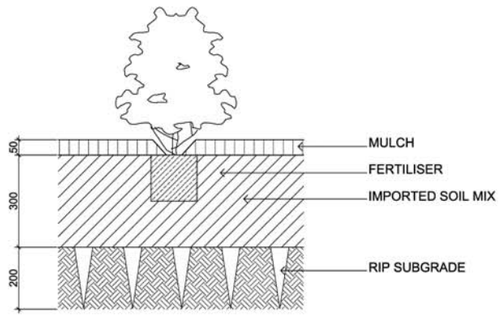




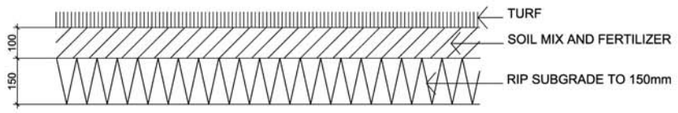
1 MILD STEEL EDGE
Scale 1:10



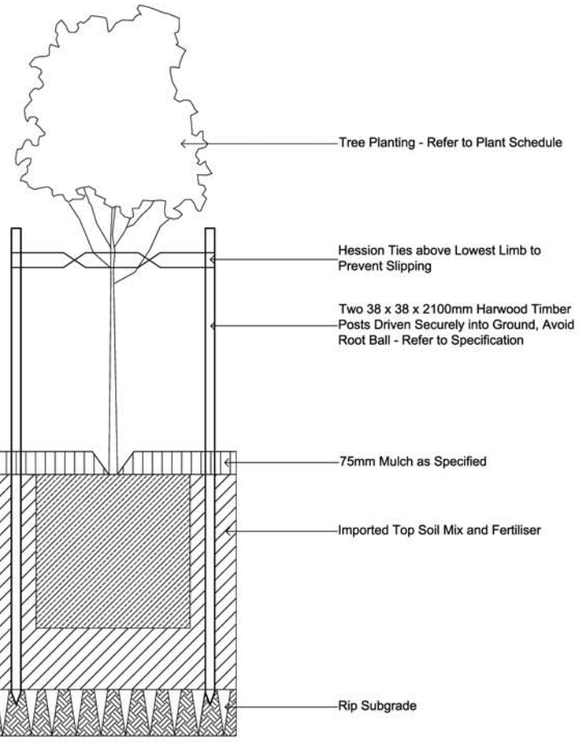
2 RIP RAP RETAINING WALL SYSTEM - INCLINE
SCALE 1:20



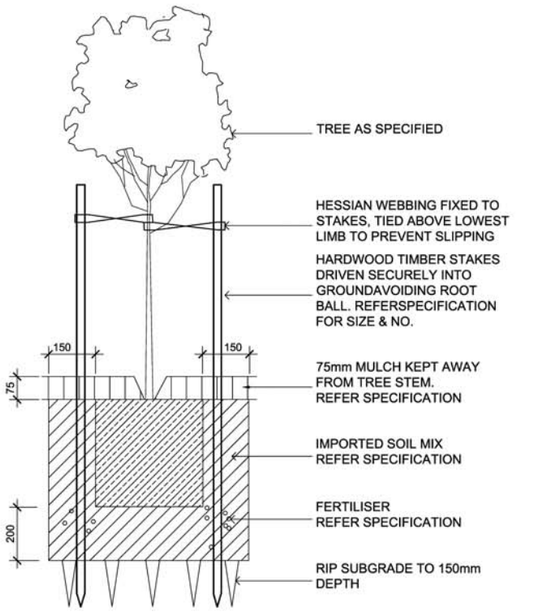
3 150mm - 20LITRE SHRUB PLANTING ON GRADE
SCALE 1:10



4 TURF ON GRADE
Scale 1:10



5 25 - 200L TREE PLANTING ON GRADE
SCALE 1:10



6 25-75 LITRE TREE PLANTING ON GRADE
SCALE 1:10

1.0 GENERAL NOTES

1.1 Workmanship and Materials
The whole of the landscape works shall be carried out by a competent Landscape Contractor who is experienced in horticultural practice, landscape construction and planting techniques. The Landscape Contractor shall hold a current Building Contractors License and / or be a financial member of the Landscape Contractors Association.

2.0 EXISTING TREES

2.1 Trees to be Retained and Protected
Identify and mark trees and shrubs to be retained using a suitable non-injurious, easily visible and removable means of identification. Trees to be retained are as shown on the landscape drawings. Protect from damage the trees and shrubs to be retained, including those beyond the site area, both above and below the ground. If a tree becomes damaged during the works or it is proposed to perform work on a tree, give written notice immediately and obtain instructions.

2.2 Work near Trees
Keep the area of the drip-line free from construction material and debris. Do not place bulk materials and harmful materials under or near trees. Do not place spoil from excavations against tree trunks. Prevent damage to tree trunks and bark. Do not attach stays, guys and the like to trees. Do not remove topsoil from, or add topsoil to, the area within the drip-line of trees.

3.0 SOFTSCAPE ELEMENTS

3.1 Soil Testing
Undertake at least two (2) soil tests, in locations as advised by Project Manager, and provide results and recommendations for the improvement of plant growth and to adjust the soil to achieve appropriate planting medium (including pit levels) for successful plant growth.
Provide a complete chemical composition test equal to that provided by Sydney Environment and Soil Laboratory, telephone (02) 9980 6554.

3.2 Subsoil
Excavate all garden beds to bring the subsoil to at least 300mm below finished design levels. Shape the subsoil to fall to subsoil drains where applicable. Do not excavate within the drip line of trees to be retained. Excavate all turf and grass areas to bring the subsoil to at least 100mm below finished design levels. Shape the subsoil to fall to subsoil drains where applicable. Do not excavate within the drip line of trees to be retained. Cultivate the subsoil to a further depth of 100mm. Remove stones exceeding 25mm, clods of earth exceeding 50mm, and weeds, rubbish or other deleterious material brought to the surface during cultivation. Do not disturb services or tree roots, if necessary cultivate these areas by hand. During cultivation, thoroughly mix in materials required to be incorporated into the subsoil, as recommended in the soil testing results and to manufacturer's recommendations. Trim the surface to design levels after cultivation.

3.3 Topsoil
Import topsoil for the garden and turf areas, unless the topsoil can be provided from material recovered from the site, as recommended in the soil testing results.
Spread the topsoil on the prepared subsoil and grade evenly, compact lightly and uniformly in 150mm layers. Avoid differential subsidence and excess compaction and produce a finished topsoil surface which has the following characteristics:

- Finished to design levels, allowing for mulch or turf, which is to finish flush with adjoining hard surfaces such as paths and edge,
- Smooth and free from stones or lumps of soil,
- Graded to drain freely, without ponding, to catchment points,
- Graded evenly to adjoining surfaces, and
- Ready for planting.

3.4 Compost
Provide, in accordance with AS 4454, well rotted vegetative material or animal manure, free from harmful chemicals, grass and weed growth.

3.5 Fertiliser
Provide proprietary fertilisers, delivered to the site in sealed bags marked to show manufacturer or vendor, weight, fertiliser type, N:P:K ratio, recommended uses and application rates.

3.6 Plants
Supply plants in accordance with the landscape drawings and schedules, which have the following characteristics:

- Large healthy root systems, with no evidence of root curl, restriction or damage,
- Vigorous, well established, free from disease and pests, of good form consistent with the species or variety,
- Hardened off, not soft or forced, and suitable for planting in the natural climatic conditions prevailing at the site, and in particular shade conditions,
- Grown in their final containers for not less than twelve weeks,
- Trees, unless required to be multi-stemmed, shall have a single leading shoot, and
- Containers shall be free from weeds and of appropriate size in relation to their container.

3.7 Installation of Plants
Following excavation of the planting hole place and spread 15gms of wetting agent equal to 'terra-sorb', pre-mixed with one (1) litre of water, at the bottom of each planting hole. Backfill the planting holes with topsoil mixture. Lightly tamp and water to eliminate air pockets. Ensure the topsoil is not placed over the top of the rootball, so that the plant stem remains the same height above the ground as it was in the container. Apply fertiliser pellets, as recommended in the soil testing results and in accordance wiht the manufacturer's recommendations around the plants at the time of planting.

3.8 Mulching
Mulch shall be approved recycled mulch recovered from site clearing, if available, otherwise pine bark equal "Horticultural Graded Pine Bark 15mm" as supplied by Australian Native Landscapes. Place mulch in all garden beds to a depth of 75mm, when all specified plants are installed, clear of all plant stems, and rake to an even surface flush with the surrounding finished levels and evenly graded between design surface levels. The specified depth shall be achieved after the mulch has settled.

3.9 Stakes and Ties
Stakes shall be durable hardwood, straight, free from knots or twists, pointed at one end, in the following quantities and sizes for each of the various plant pot sizes:

- Plants (≥25L): One (1) of 38 x 38 x 1200mm,
- Semi-advanced plants (≥75L): Two (2) of 50 x 50 x 1800mm, or
- Advanced (≥100L): Three (3) of 50 x 50 x 2400mm.

3.10 Turf
Turf shall be Soft Leaf Buffalo or approved equal, delivered to site as 25mm minimum thick cut rolls. Obtain turf from a specialist grower of cultivated turf. Provide turf of even thickness, free from weeds and other foreign matter. Deliver turf to the site within 24 hours of being cut, and lay it within 24 hours of delivery. Prevent it form drying out between cutting and laying. Lay the turf in the following manner:

- In stretcher pattern with the joints staggered and close butted,
- Parallel with the long sides of level areas, and with contours on slopes, and
- To finish flush, after tamping, with adjacent finished surfaces of ground, paving edges, and timber edges.

4.0 IRRIGATION

4.1 System
The irrigation system shall be an automatic fixed drip system, with an irrigation controller self operated via a soil moisture sensor. The system shall be compatible to the type of plant material and rates of water required. Where appropriate adjustable and fully serviceable. The layout of the entire irrigation is to ensure that each individual plant receives the required amount of water to maintain healthy and vigorous growth. The irrigation system shall be such that, component theft, vandalism, over-spray and wetting of paths shall be reduced to a minimum or completely eliminated by the use of drip, pop-up sprinklers and judiciously placed fixed spray emitters. Do not use fine mist type emitters that provide a drifting mist that may wet paths and the buildings.

5.0 PLANT ESTABLISHMENT

5.1 Generally
The Landscape Contractor shall rectify defects during installation and that become apparent in the works under normal use for the duration of the contract Defects Liability Period.

The Landscape Contractor shall maintain the contract areas by the implementation of industry accepted horticultural practices for 52 weeks. The landscape maintenance works shall include, but not be limited to, the following:

- Replacing failed plants,
- Pruning,
- Insect and pest control,
- Fertilising,
- Maintaining mulch,
- Mowing,
- Watering,
- Rubbish removal, and
- Cleaning of the surrounding areas.

SITE IMAGE

Goodman

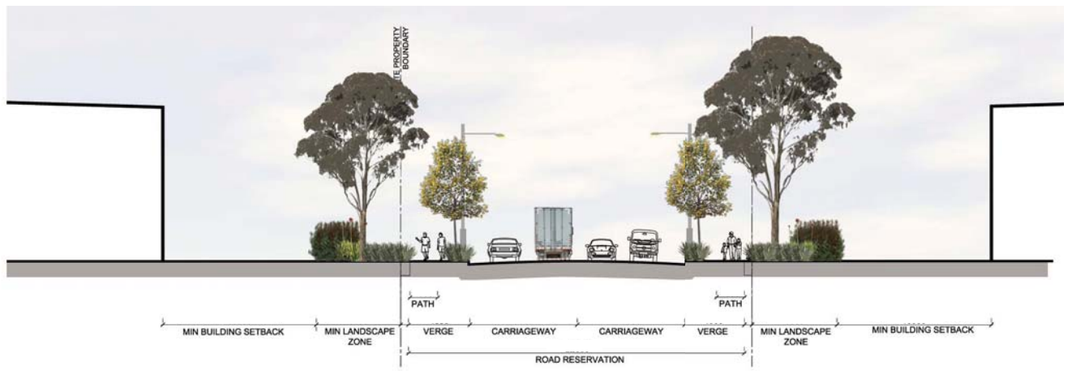
DRAWING NO: L 05
ISSUE: D
SCALE: AS SHOWN

CLIENT: GOODMAN INTERNATIONAL LTD
SI JOB NO: Z 1620
DATE: AUGUST 2012

OAKDALE CENTRAL LANDSCAPE DETAILS

Landscape Architects

ESTATE ROAD 1 DETAIL AREA - NOT TO SCALE



INDICATIVE LOCAL ROAD ELEVATION - NOT TO SCALE

Indicitive Plant Schedule

Botanical Name	Common Name	Height	Width	Spacing
Street Trees				
Entry and Signature Nodes				
Araucaria cunninghamii	Hoop Pine	45m	6m	8m
Castanospermum australe	Black Bean	18m	5m	8m
Livistona australis	Cabbage Tree Palm	20m	2m	8m
Phoenix canariensis	Canary Island Date Palm	15m	5m	8m
Link Road				
Corymbia maculata	Spotted Gum	25m	8m	20m
Eucalyptus microcorys	Tallow wood	30m	8m	20m
Eucalyptus saligna	Sydney Blue Gum	30m	5m	20m
Collector Road				
Angophora costata	Smooth Barked Apple	30m	10m	15m
Lophostemon confertus	Brush Box	30m	5m	15m
Eucalyptus citriodora	Lemon-scented Gum	to 40m	4m	15m
Waterhousia floribunda	Weeping Lilly Pilly	15m	8m	15m
Local Road				
Acmena smithii	Lilly Pilly	15m	6m	15m
Cupaniopsis anacardioides	Tuckeroo	10m	4m	15m
Tristaniposis laurina	Water Gum	10m	7m	15m
Open Space / Canopy Trees				
Acacia decurrens	Green Wattle	10m	5m	
Acacia parramatternsis	Parramatta Wattle	7m	4m	
Anghophora floribunda	Rough-barked Apple	15m	6m	
Backhousia myrtifolia	Grey Myrtle	3.5m	2m	
Casuarina glauca	Swamp oak	15m	5m	
Eucalyptus amplifolia	Cabbage Gum	to 30m	5m	
Eucalyptus citriodora	Lemon-scented Gum	to 40m	4m	
Eucalyptus crebra	Narrow leafed Ironbark	20m	10m	
Eucalyptus eugenoides	Thin leafed- Stringybark	20m	10m	
Eucalyptus fibrosa	Red Iron Bark	20m	8m	
Eucalyptus maculata	Spotted Gum	20m	10m	
Eucalyptus moluccana	Grey Box	30m	12m	
Eucalyptus microcorys	Tallow wood	30m	8m	
Eucalyptus paniculata	Grey Ironbark	25m	6m	
Eucalyptus robusta	Swamp Mahogany	25m	5m	
Eucalyptus tereticornis	Forest Red Gum	30m	5m	
Melaleuca decora	White Feather Honeymyrtle	10m	8m	
Melaleuca linearifolia	Flax Leaf Paperbark	10m	4m	
Melaleuca quinquenervia	Broad-leafed Paperbark	25m	10m	
Melaleuca styphelioides	Prickly leaved Paper Bark	20m	6m	
Syncarpia glomiferra	Turpentine	40m	8m	

Botanical Name	Common Name	Height	Width	Spacing
Groundcovers				
Arthropodium milleflorum	Pale Vanilla-lily	0.3m	0.3m	
Asperula conferta	Common Woodruff	0.15m	0.2m	
Brunoniella australis	Blue Trumpet	0.3m	0.4m	
Cheilanthes sieberi	Narrow Rock Fern	0.3m		
Dichondra repens	Kidney Weed	0.1m	0.3m	
Goodenia hederacea	Forest Goodenia	0.3m	1m	
Hardenbergia violacea	Purple Twining Pea	vine		
Shrubs and Accents				
Bursaria spinosa	Blackthorn	2m	1m	
Correa alba	Correa	1m	1.5m	
Daviesia ulicifolia	Gorze Bitter Pea	1.5m	1m	
Dillwynia juniperina	Prickly Parrot-pea	1m		
Dodonaea viscosa ssp cuneata	Sticky Hop Bush	3m	2m	
Doryanthes excelsa	Gymea Lily	4m	1.5m	
Grevillea poorinda 'Royal Mantle'	Grevillea	0.2m	2m	
Indigofera australis	Australian Indigo	2.5m	2m	
Kunzea ambigua	White kunzea	2m	2m	
Melaleuca nodosa	Melaleuca	6m	2m	
Westingia fruticosa	Coastal Rosemary	1.5m	1.5m	
Grasses				
Chloris truncata	Windmill Grass	0.5m		
Chloris ventricosa	Plump Windmill Grass	1m		
Cyperus gracilis	Slender Sedge	0.4m		
Dianella longifolia	Blue Flax-lily	0.8m	0.5m	
Dianella revoluta	Black Anther Flax-lily	1m	1m	
Dichelachne micrantha	Shorthair Plumegrass	0.6m	0.5m	
Echinopogon caespitosus	Bushy Hedgehog grass	1.5m		
Echinopogon ovatus	Forest Hedgehog grass	1.2m		
Lomandra filiformis	Wattle Mat-rush	0.25m	.2m	
Lomandra multiflora	Many flowered Mat-rush	0.75m	0.75m	
Microlaena stipoides	Weeping Grass	0.3m	0.6m	
Oplismenus aemulus	Basket Grass	0.4m	0.3m	
Poa labillardieri	Tussock Grass			
Themeda australis	Kangaroo Grass	0.5m	0.4m	
Tricoryne elatior	Yellow Rush-lily	0.4m	0.25m	
Swale Planting				
Carex appressa	Tall Flat Sedge	0.7m	0.6m	
Carex gaudichandiana	Tufted Sedge	0.6m	0.4m	
Juncus usitatus	Common Rush	0.6m	0.4m	
Lomandra longifolia	Spiny-Headed Mat Rush	1m	1m	
Isolepis nodosa	Knobby Club Rush	0.8m	0.7m	


Corymbia maculata


Eucalyptus microcorys


Eucalyptus citriodora


Syncarpia glomilferra


Acmena smithii


Westringia fruiticosa


Lophostemon confertus


Tristaniopsis laurina


Melaleuca quinquenervia


Dianella longifolia


Lomandra longifolia


Anthropodium milleflorum


Hardenbergia violacea


Grevillea poorinda 'Royal Mantle'


Doryanthes excelsa


Dianella revoluta


Poa labillardieri

INDICATIVE PLANTING PALETTE

SITE IMAGE

Goodman

DRAWING NO: L 06
ISSUE: D
SCALE: AS SHOWN

CLIENT: GOODMAN INTERNATIONAL LTD
SI JOB NO: Z 1620
DATE: AUGUST 2012

OAKDALE CENTRAL LANDSCAPE SECTIONS / PLANTING

Landscape Architects