# West Yiribana Logistics Estate 771-797 Mamre Road, Kemps Creek, NSW Landscape Development Application

### Drawing Schedule

Drawing Number	Drawing Title	Scale
000	Landscape Coversheet	As Shown
001	Tree Canopy Coverage	1:750
002	Plant Schedule	N/A
100	Landscape Master Plan	1:1500
101	Landscape Plan	1:250
102	Landscape Plan	1:250
103	Landscape Plan	1:250
104	Landscape Plan	1:250
105	Landscape Plan	1:250
106	Landscape Plan	1:250
107	Landscape Detail Plan	1:100
108	Landscape Detail Plan	1:100
501	Landscape Details	As Shown
502	Matrix Planting Details	As Shown
503	Matrix Planting Details	As Shown
504	Landscape Details	As Shown
505	Landscape Specification	N/A
601	Landscape Section	As Shown
602	Landscape Section	As Shown
603	Landscape Section	As Shown
604	Landscape Section	As Shown
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As Shown

Site Plan | Scale 1:2000 @A1

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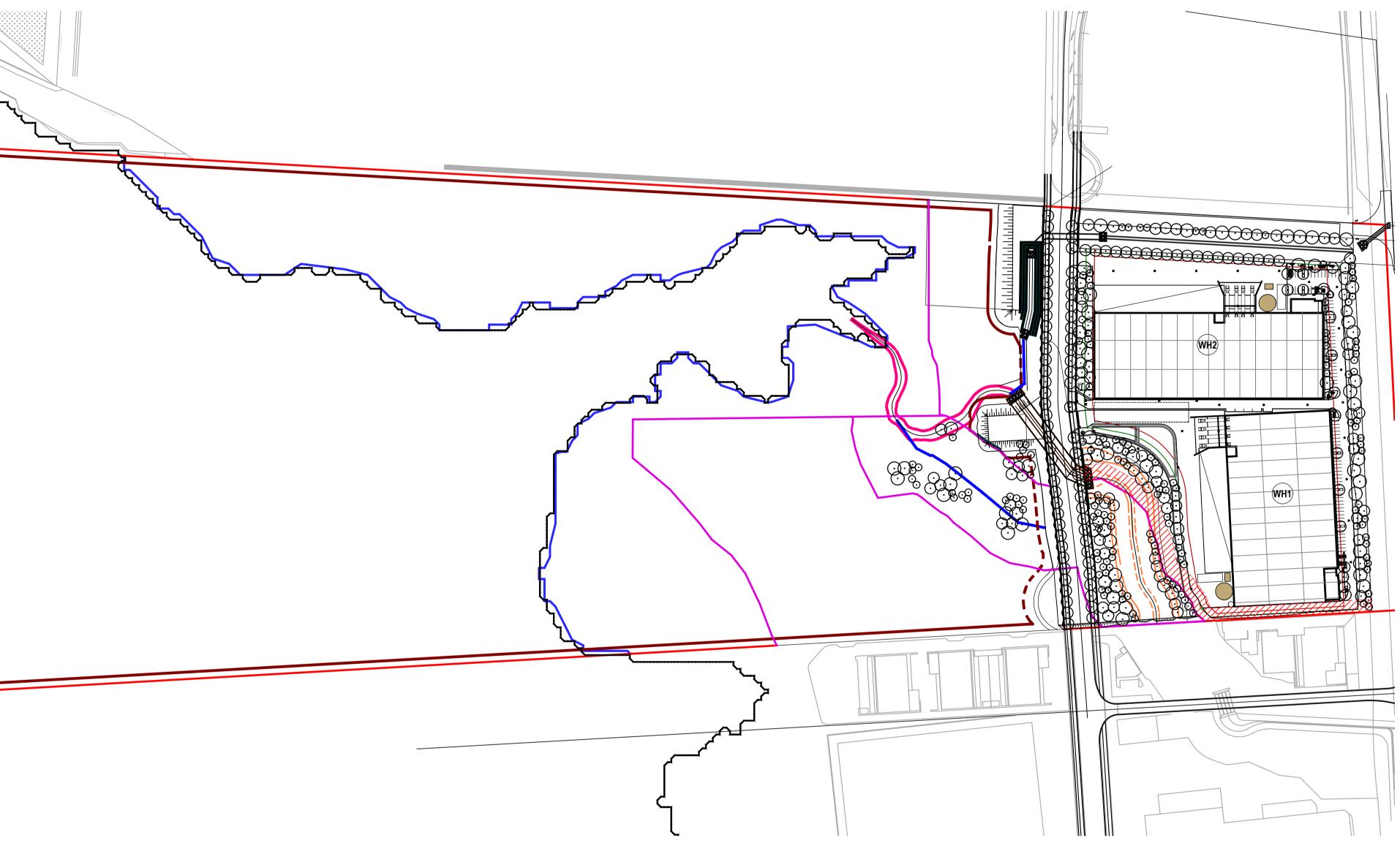
Landscape Section

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For Comment Development Application D For Development Application С B For Coordination A Development Application Issue Revision Description

CS NM 06.02.2024 LH NM 28.07.2023 CK NM 15.12.2022 LW NM 29.11.2022 LW NM 25.08.2022 Drawn Check Date

Legend



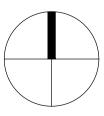


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**Drawing Name** Landscape Coversheet

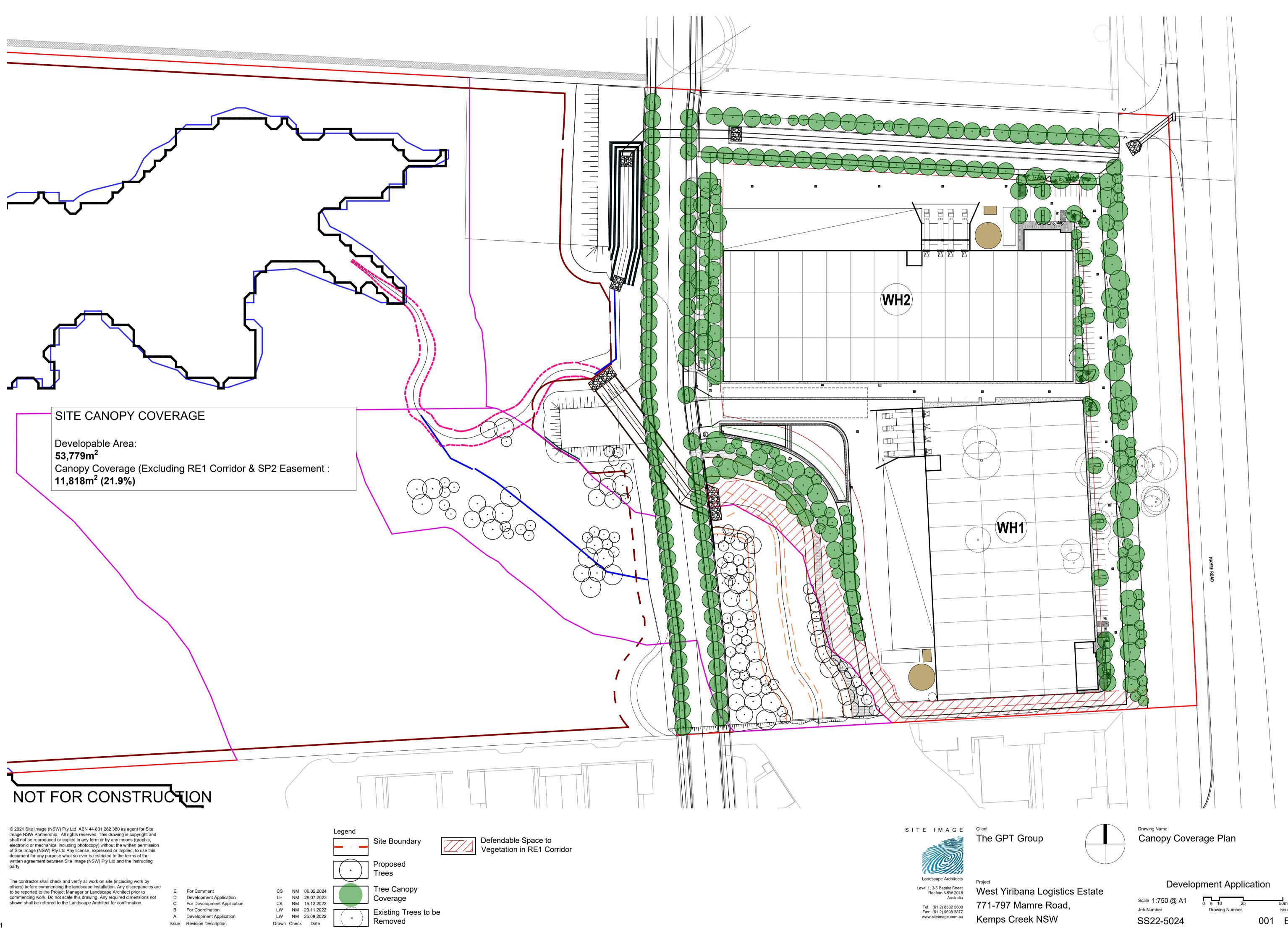
Project West Yiribana Logistics Estate 771-797 Mamre Road, Kemps Creek NSW

### **Development Application**

Scale Job Number SS22-5024

**Drawing Number** 

Issue 000 E



Issue 001 E

						Best practice
Code	Botanic Name	Common Name	Mature Size	Density	Density	soil volumes (m³)
Oue	Botanic Name	Common Name	(h x w) (m)	Density	Density	()
	TREES		(,, (,			
Ae	Alphitonia excelsa	Red Ash	20 x 9	100L	As Shown	22.7
Ac	Angophora costata	Smooth Barked Apple	20 x 9	100L	As Shown	22.7
Af	Angophora floribunda	Rough barked Apple	17 x 7	100L	As Shown	22.7
Bm	Backhousia myrtifolia	Grey Myrtle	4 x 3	100L	As Shown	10.25
Ca	Cupaniopsis anacardioides	Tuckeroo	8 x 7	100L	As Shown	10.25
Cm	Corymbia maculata	Spotted Gum	30 x 8	100L	As Shown	34.75
Ea	Eucalyptus amplifolia	Cabbage Gum	30 x 8	100L	As Shown	34.75
Ec	Eucalyptus crebra	Narrow Leaved Iron Bark	35 x 10	100L	As Shown	34.75
Ee	Eucalyptus eugenioides	Thin leaved stringybark	20 x 8	100L	As Shown	22.7
Ef	Eucalyptus fibrosa	Red Ironbark	35 x 7	100L	As Shown	34.75
Emo	Eucalyptus moluccana	Grey Box	25 x 8	100L	As Shown	34.75
Er	Eleocrapus reticulatus	Blueberry Ash	9 x 3	100L	As Shown	10.25
Et	Eucalyptus tereticomis	Forest Red Gum	35 x 10	100L	As Shown	34.75
Eu	Elaeocarpus eumundi	Quandong	7 x 2	100L	As Shown	10.25
Fu	Fraxinus 'Urbanite'	Urbanite Ash	11 x 8	100L	As Shown	22.7
Lc	Lophostemon confertus	Queensland Brush Box	14 x 9	100L	As Shown	22.7
Li	Lagerstroemia indica	Crepe Myrtle	8 x 4	100L	As Shown	10.25
Md	Melaleuca decora	White Feather Honey Myrtle	12 x 5	100L	As Shown	14.7
Ms	Melaleuca styphelioides	Prickly Leaved Paperbark	8 x 6	100L	As Shown	10.25
TL	<i>Tristaniopsis laurina</i> 'Luscious®'	Watergum	8 x 6	100L	As Shown	10.25
Wfl	Waterhousea floribunda	Weeping Lily Pilly	10 x 6	100L	As Shown	14.7
	SHRUBS & ACCENTS					
An	Acmena smithii var. minor	Lilly Pilly	2 x 1.2	200mm	As Shown	
AsM	Atriplex nummularia	Old man saltbush	2 x 1.2 2 x 2	200mm	As Shown	
Bo	Breynia oblongifolia	Coffee Bush	3 x 3	200mm	As Shown	
Bs	Bursaria spinosa	Blackthorn	3 x 2	200mm	As Shown	
Bv	Baeckea virgata	Tall Backea	3 x 2	200mm	As Shown	
Cal	Correa alba	White correa	1.5 x 1	200mm	As Shown	
Cci	Callistemon citrinus	Bottlebrush	3 x 3	200mm	As Shown	
CLJ	Callistemon 'Little John'	Dwarf Bottle Brush	1.5 x 1	200mm	As Shown	
De	Doryanthes excelsa	Gymea Lily	1.8 x 1.5	200mm	As Shown	
Du	Daviesia ulicifolia	Gorse Bitter Pea	3 x 2.5	200mm	As Shown	
Dv	Dodonea viscosa	Hop Bush	1 x 1	200mm	As Shown	
Em	Eremophila maculata	Emu bush	.5 x 1.2	200mm	As Shown	
Gj	Grevillea juniperina	Juniper leaf grevillea	1.5 x 1	200mm	As Shown	
Hsa	Hakea salicifolia	Willow-leaved Hakea	5 x 4	200mm	As Shown	
МСТ	<i>M</i> elaleuca linariifolia 'Claret Tops'	Honey Myrtle	1 x 1	200mm	As Shown	
PP	Phormium tenax 'Purpureum'	Bronze Flax	1.5 x 1	200mm	As Shown	
Wf	Westringia fruticosa	Coastal Roasemary	1 x 1	150mm	As Shown	
_	GRASSES AND GROUNDCOVERS			450	<b>E</b> ( )	
Ba	Brunoniella australis	Blue Trumpets	0.3x	150mm	5/m²	
Bd	Bothriochloa decipiens car. Decipien		0.9 x 1	150mm 150mm	5/m² 5/m²	
Ca Cas	Carex appressa Centella asiatica	Tall Sedge Indian Pennywort	.2 x 1	150mm	5/m²	
Cas	Chloris truncata	Windmill Grass	.5 x .3	150mm	5/m²	
Dc	Dianella caerulea	Flax Lily	0.8x 0.5	150mm	5/m²	
Dr	Dichondra repens	Kidney Weed	.1 x 1	150mm	5/m²	
Em	Entolasia marginata	Bordered Panic	0.8 x 0.5	150mm	5/m²	
Eo	Echinopogon ovatus	Forest Hedgehog Grass	1.2	150mm	5/m²	
Gt	Gazania tomentosa	Silver Gazania	.15 x 1	150mm	5/m²	
Hs	Hibbertia scandens	Climbing Guinea Flower	climbing	150mm	5/m²	
lc	Imperata cylindrica	Blady Grass	.75 x .3	150mm	5/m²	
Ju	Juncus usitatus	Common Grass	.6 x 1	150mm	5/m²	
LJR	Liriope 'Just Right'	Liriope	.4 x .4	150mm	5/m²	
LI	Lomandra longifolia	Mat Rush	1 x 1	150mm	5/m²	
Мр	Myoporum parvifolium	Creeping Boobialla	.3 x 2	150mm	5/m²	
Ms	Microlaena stipoides	Weeping Grass	0.7 x 0.3	150mm	5/m²	
Та	Themeda australis	Kangaroo Grass	1 x .5	150mm	5/m²	
Vh	Viola hederacea	Native Violet	.15 x 1	150mm	5/m²	
Wc	Wahlenbergia communis	Tufted Bluebell	0.75	150mm	5/m²	
110			5.76	1001111	0/11	

			Mature Size (HxW)					Sydney Water
	Botanic Name	Common Name		Pot Size	Density	Qty	VMP	Guidelines
ipariar	n Edge Planting							
	Trees - Riparian Edge Planting							
Af	Angophora floribunda	Rough-barked Apple	20 x 6	75L	As Shown			
Ea	Eucalyptus amplifolia	Cabbage Gum	30 x 8	75L	As Shown			
Em	Eucalyptus moluccana	Coastal Grey Box	20 x 6	75L	As Shown			
Et	Eucalyptus tereticornis	Forest Red Gum	30 x 8	75L	As Shown			
	opy Trees - Riparian Edge Planting							
Cg	Casuarina glauca	Swamp Oak	15 x 5	75L	As Shown			
Ap	Acacia parramattensis	Parramatta Wattle	10 x 3	75L	As Shown			
Md	Melaleuca decora	White-feather Honeymyrtle	10 x 5	75L	As Shown			
Ms	Melaleuca styphelioides	Prickly-leaved Tea Tree	10 x 3	75L	As Shown			
all Shr	ubs - Riparian Edge Planting							
As	Acmena smithii	Lilly Pilly	4 x 2	300mm	1/50m2			
Bs	Bursaria spinosa	Blackthorn	3 x 3	300mm	1/50m2			
h m ch a	Discrime Educ Discrime							
onrubs - Od	- Riparian Edge Planting Ozothamnus diosmifolius	Sago Bush	2 x 1	300mm	1/50m2			
Ps	Polyscias sambucifolia	Elderberry Panax	3 x 2	300mm	1/50m2			
13			572	3001111	1/30112			
	& Forbs - Riparian Edge Planting							
Ba	Brunoniella australis	Blue Trumpets	0.2 x 1	Tube	4/m2			
Ca	Centella asiatica	Indian Pennywort	0.2 x 0.5	Tube	4/m2			
Cc	Commelina cyanea	Scurvy Weed	0.3 x spreading	Tube	4/m2			
Ct	Chloris truncata	Windmill Grass	0.4 x 0.4	Tube	4/m2			
Dr	Dichondra repens	Kidney Weed	0.15 x spreading	Tube	4/m2			
Eh	Einadia hastata	Berry Saltbush	0.2 x 0.5	Tube	4/m2			
Em	Entolasia marginata	Bordered Panic	0.3 x 0.3	Tube	4/m2			
lc	Imperata cylindrica	Blady Grass	0.4 x spreading	Tube	4/m2			
Ju	Juncus usitatus	Common Rush	1 x 0.5	Tube	4/m2			
Mis	Microlaena stipoides	Weeping Grass	0.7 x 0.7	Tube	4/m2			
Oa	Oplismenus aemulus	Basket Grass	0.3 x 0.3	Tube	4/m2			
Sp	Solanum prinophyllum	Forest Nightshade	0.4 x spreading	Tube	4/m2			
Vh	Viola hederacea	Native Violet	0.15 x spreading	Tube	4/m2			
Wg	Wahlenbergia gracillis	Sprawling Bluebell	0.2 x spreading	Tube	4/m2			
asses	& Forbs - Upper Bank Ephemeral I	Planting						
Ba	Brunoniella australis	Blue Trumpets	0.2 x 1	Tube	4/m2			
Ca	Centella asiatica	Indian Pennywort	0.2 x 0.5	Tube	4/m2			
Cc	Commelina cyanea	Scurvy Weed	0.3 x spreading	Tube	4/m2			
Ct	Chloris truncata	Windmill Grass	0.4 x 0.4	Tube	4/m2			
Dr	Dichondra repens	Kidney Weed	0.15 x spreading	Tube	4/m2			
Eh	Einadia hastata	Berry Saltbush	0.2 x 0.5	Tube	4/m2			
Em	Entolasia marginata	Bordered Panic	0.3 x 0.3	Tube	4/m2			
lc	Imperata cylindrica	Blady Grass	0.4 x spreading	Tube	4/m2			
Ju	Juncus usitatus	Common Rush	1 x 0.5	Tube	4/m2			
Mis	Microlaena stipoides	Weeping Grass	0.7 x 0.7	Tube	4/m2			
Oa	Oplismenus aemulus	Basket Grass	0.3 x 0.3	Tube	4/m2			
Sp	Solanum prinophyllum	Forest Nightshade	0.4 x spreading	Tube	4/m2			
Vh	Viola hederacea	Native Violet	0.15 x spreading	Tube	4/m2			
Wg	Wahlenbergia gracillis	Sprawling Bluebell	0.2 x spreading	Tube	4/m2			
edaes	, Rushes & Aquatic Plants - Lower I	Bank Ephemeral Planting						
Ca	Carex appressa	Tall Sedge	0.5 x 0.5	Tube	4/m2			
Cc	Commelina cyanea	Scurvy Weed	0.3 x spreading	Tube	4/m2			
Dr	Dichondra repens	Kidney Weed	0.15 x spreading	Tube	4/m2			
Ju	Juncus usitatus	Common Rush	1 x 0.5	Tube	4/m2			
Рр	Pratia purpurascens	White Root	0.2 x spreading	Tube	4/m2			
Sp	Solanum prinophyllum	Forest Nightshade	0.4 x spreading	Tube	4/m2			
Vh	Viola hederacea	Native Violet	0.15 x spreading	Tube	4/m2			
lio-rete	ntion Basin							
Ca	Carex appressa	Tall Sedge	0.5 x 0.5	Tube	8/m2			
Cc	Commelina cyanea	Scurvy Weed	0.3 x spreading	Tube	8/m2			
Dr	Dichondra repens	Kidney Weed	0.15 x spreading	Tube	8/m2			
Ju	Juncus usitatus	Common Rush	1 x 0.5	Tube	8/m2			
Pp	Pratia purpurascens	White Root	0.2 x spreading	Tube	8/m2			
Sp	Solanum prinophyllum	Forest Nightshade	0.4 x spreading	Tube	8/m2			
Vh	Viola hederacea	Native Violet	0.15 x spreading	Tube	8/m2			
V I I					0/11/			

NOTE: FOR FURTHER PLANTING DETAILS REFER TO LANDSCAPE **DESIGN REPORT** 

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For Comment Е For Development Application D C For Development Application B For Coordination A Development Application Issue Revision Description

CS NM 06.02.2024 LH NM 28.07.2023 CK NM 15.12.2022 LW NM 29.11.2022 LW NM 25.08.2022 Drawn Check Date

Best practice

Legend

A1



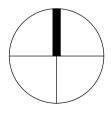
Project

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NOTE: Planting Details added to incorporate Sydney Water Technical Guideline and Penrith Council WSUD Guideline planting specifications.

The GPT Group



Drawing Name Plant Schedule

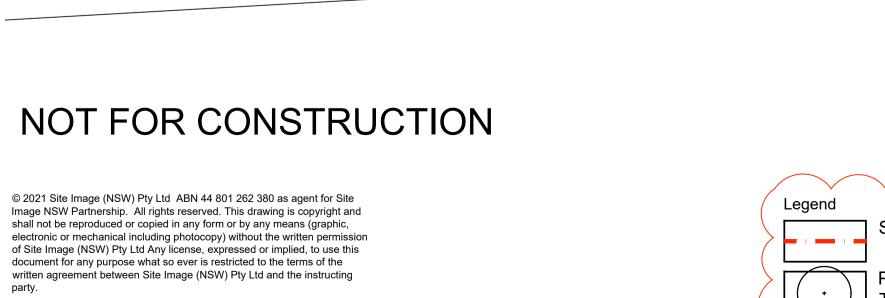
West Yiribana Logistics Estate 771-797 Mamre Road, Kemps Creek NSW

**Development Application** 

Scale Job Number SS22-5024

Drawing Number

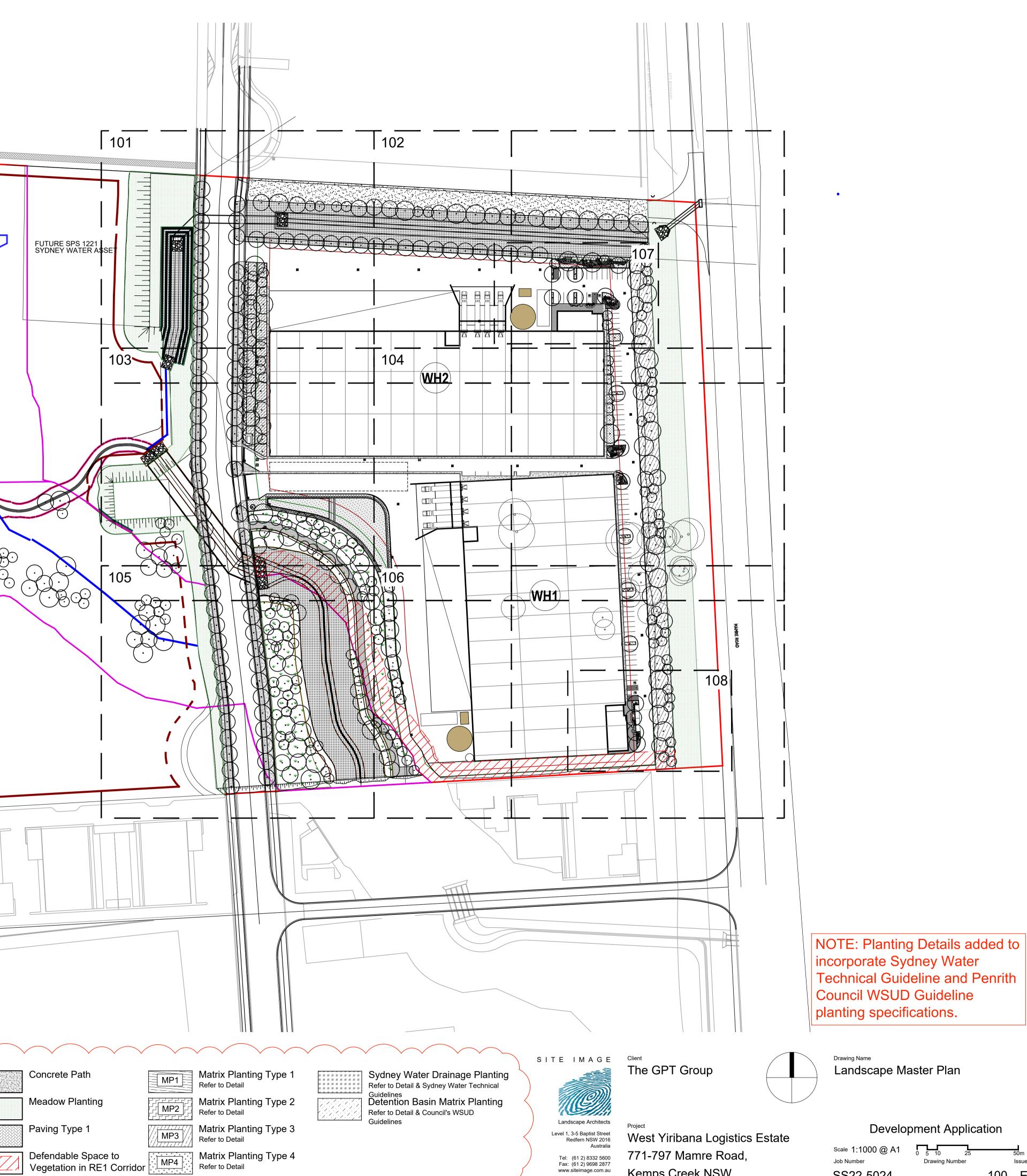
Issue 002 E



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For Comment E **Development Application** D For Development Application С B For Coordination A Development Application Issue Revision Description

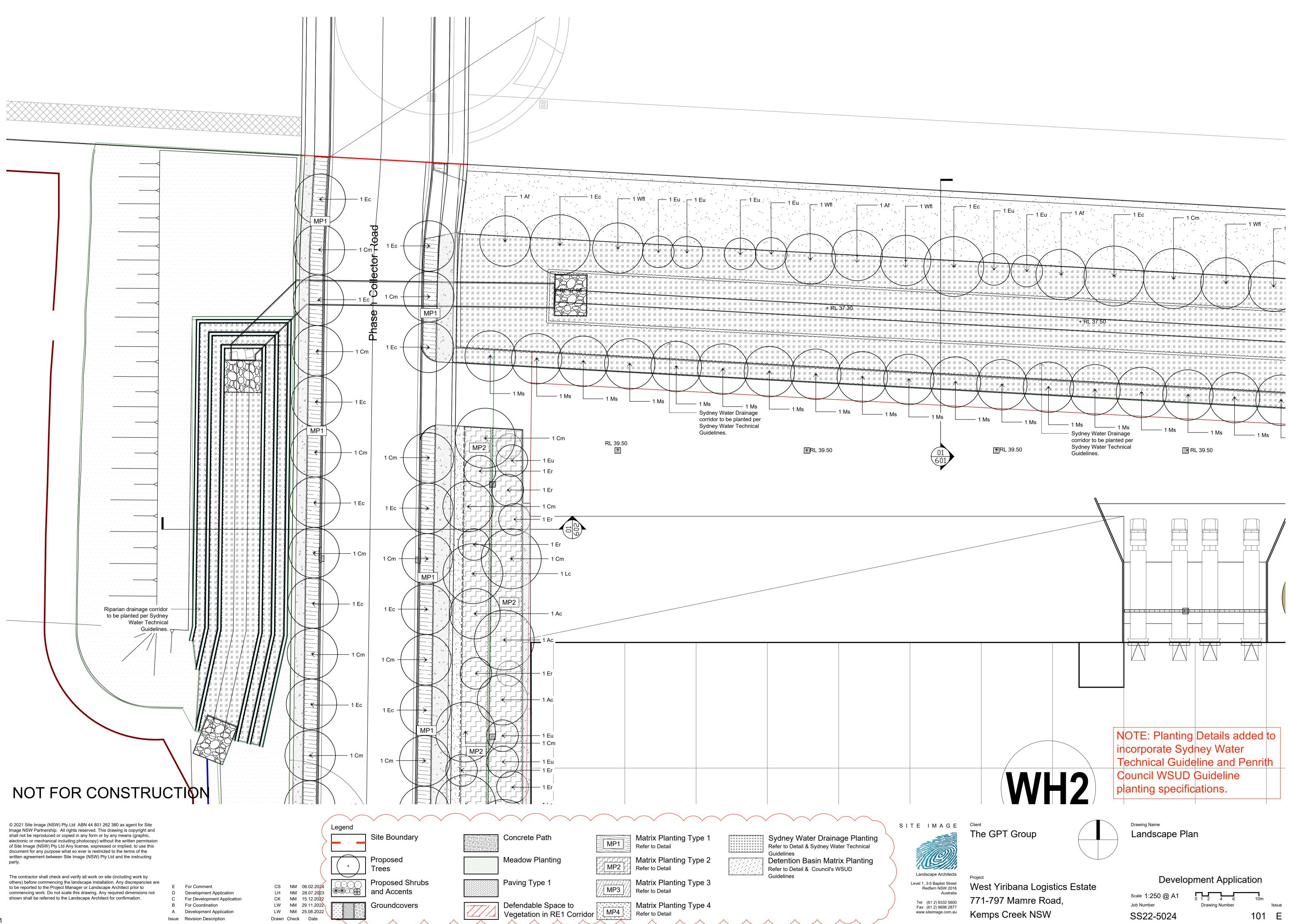
			Legend	
				Site Boundary
			$\boxed{ \cdot }$	Proposed Trees
CS LH	NM NM	06.02.2024 28.07.2023		Proposed Shrubs and Accents
CK	NM	15.12.2022		Groundcovers
LW	NM	29.11.2022		
LW	NM	25.08.2022	[++++]	
Drawn	Check	Date	$\searrow$	A A

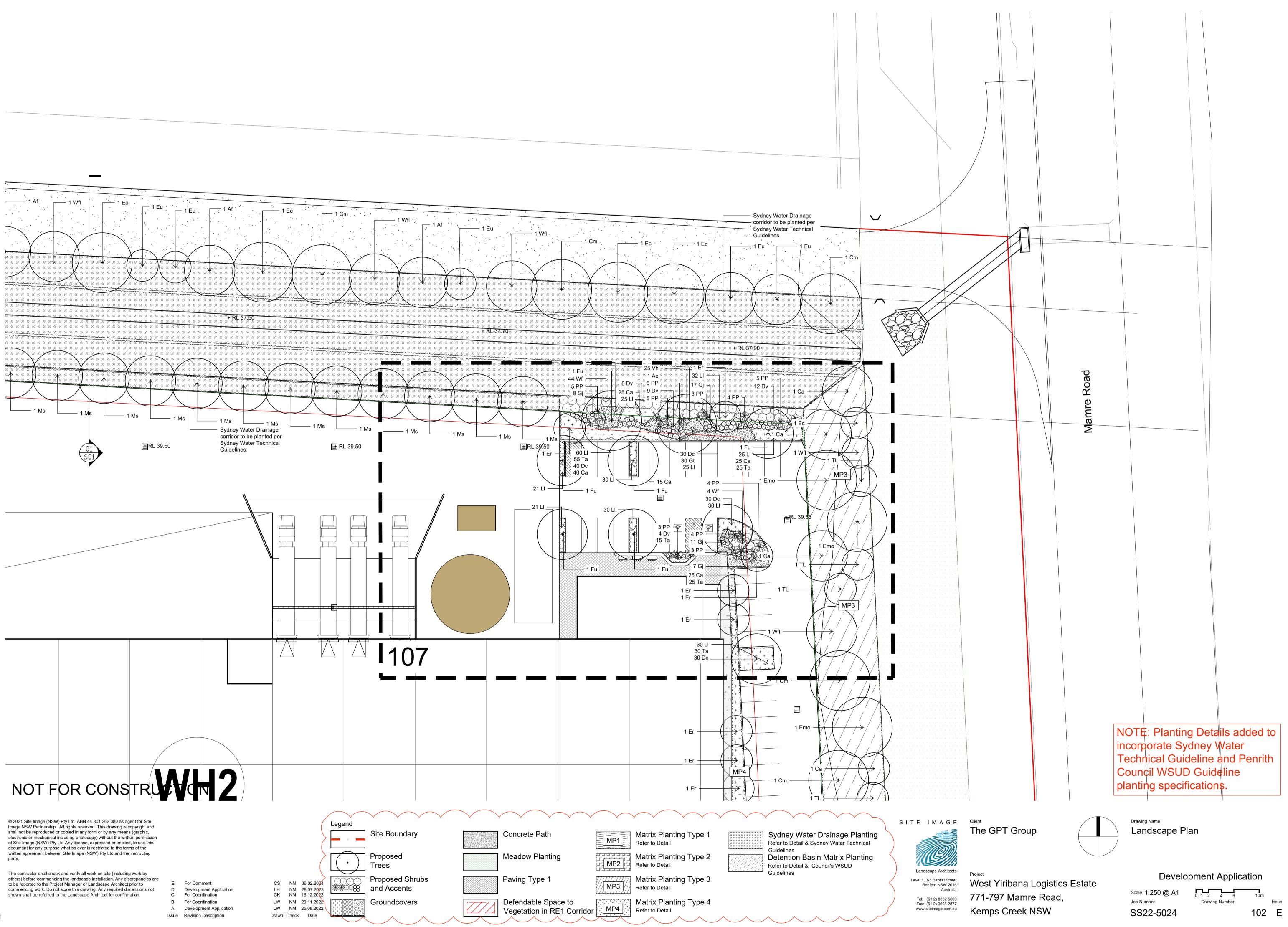


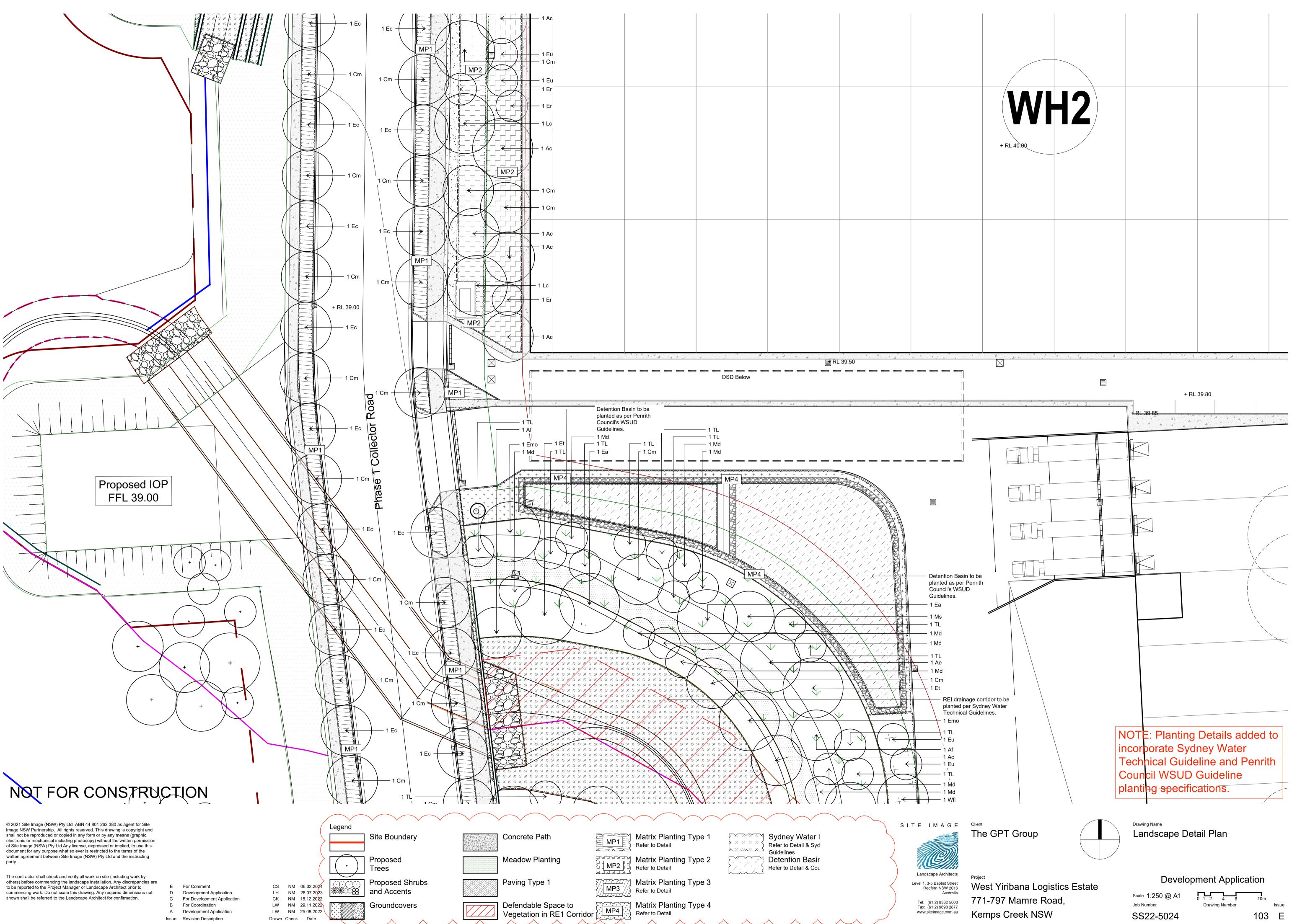
Kemps Creek NSW

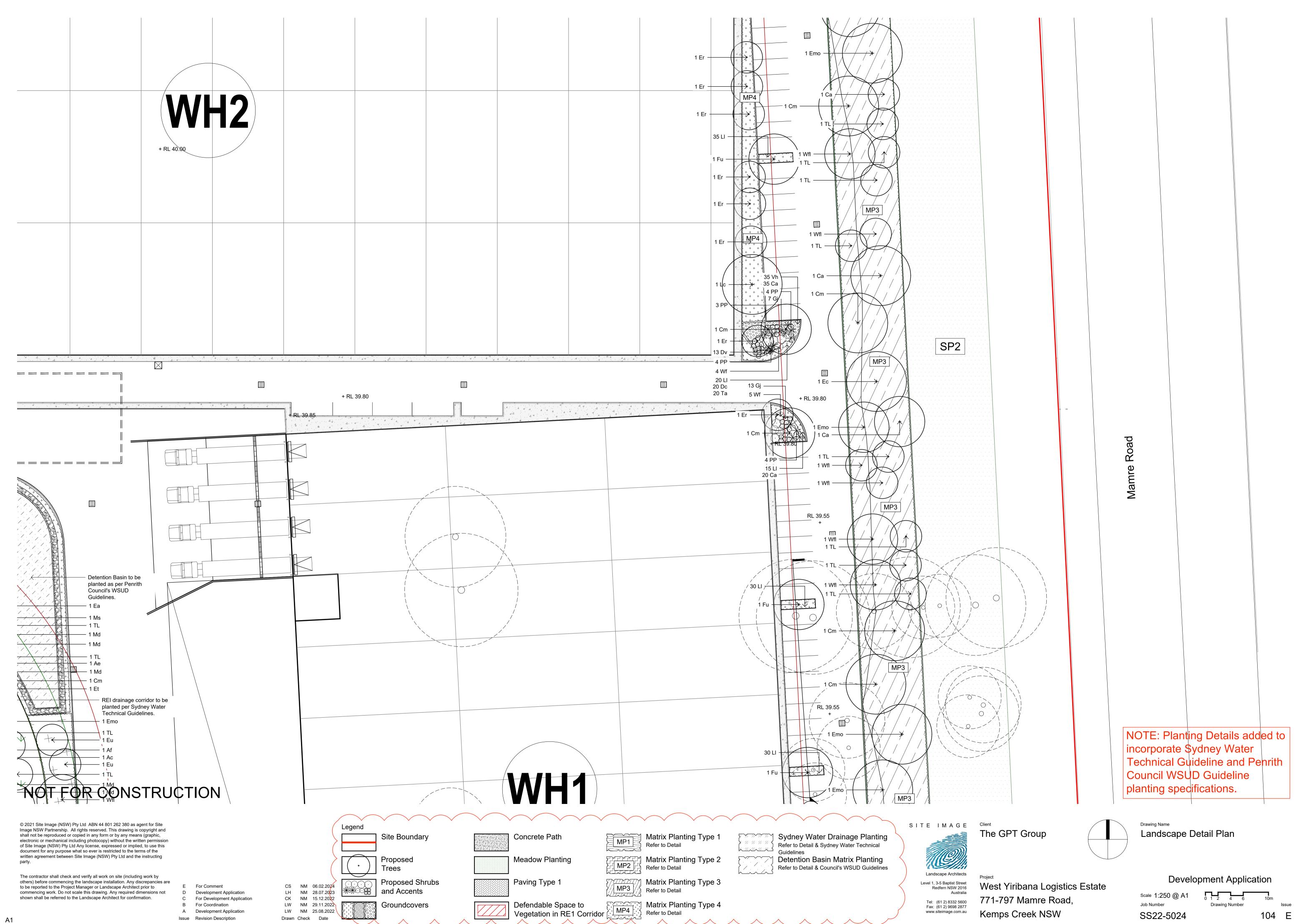
SS22-5024

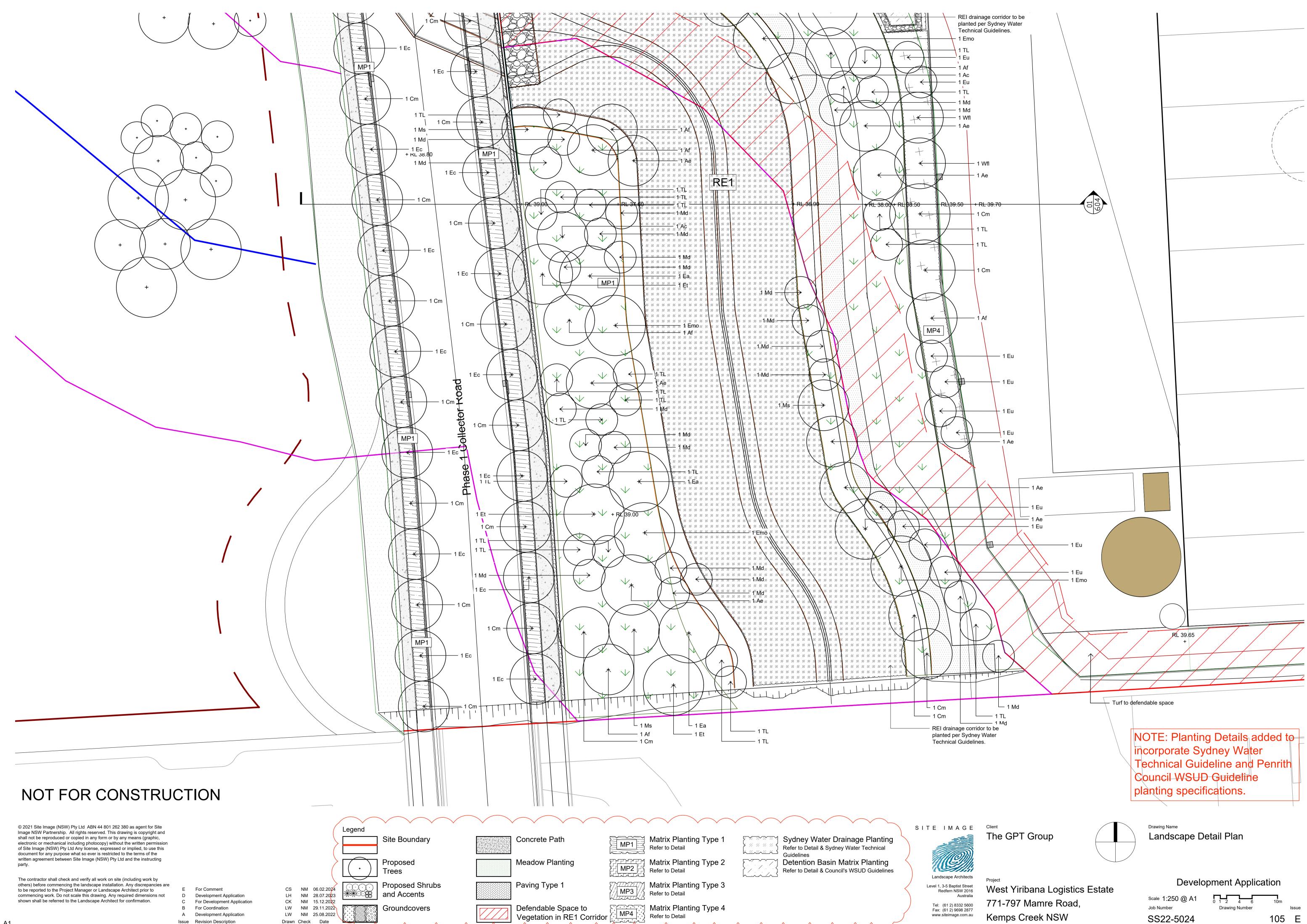
Issue 100 E

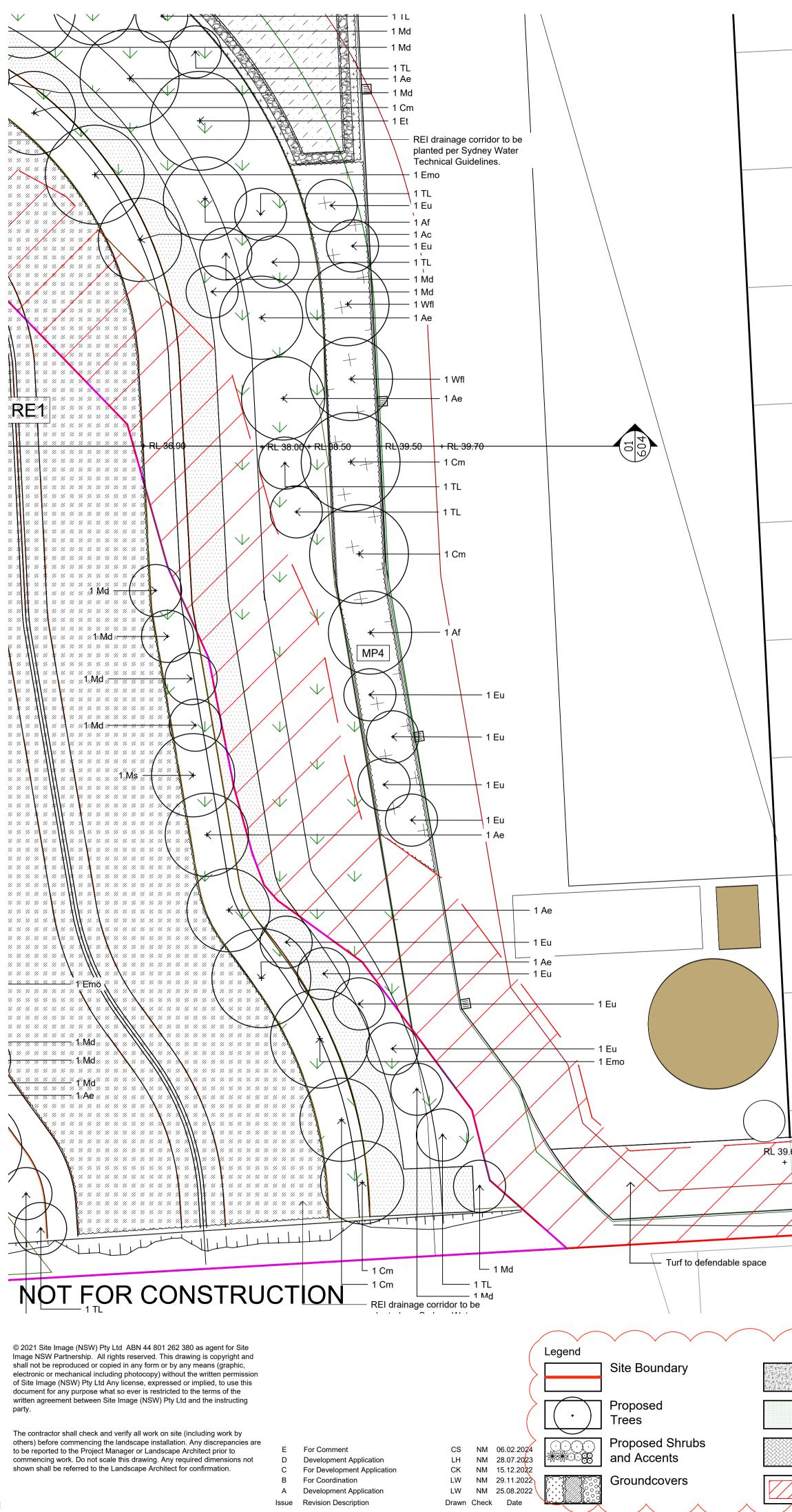






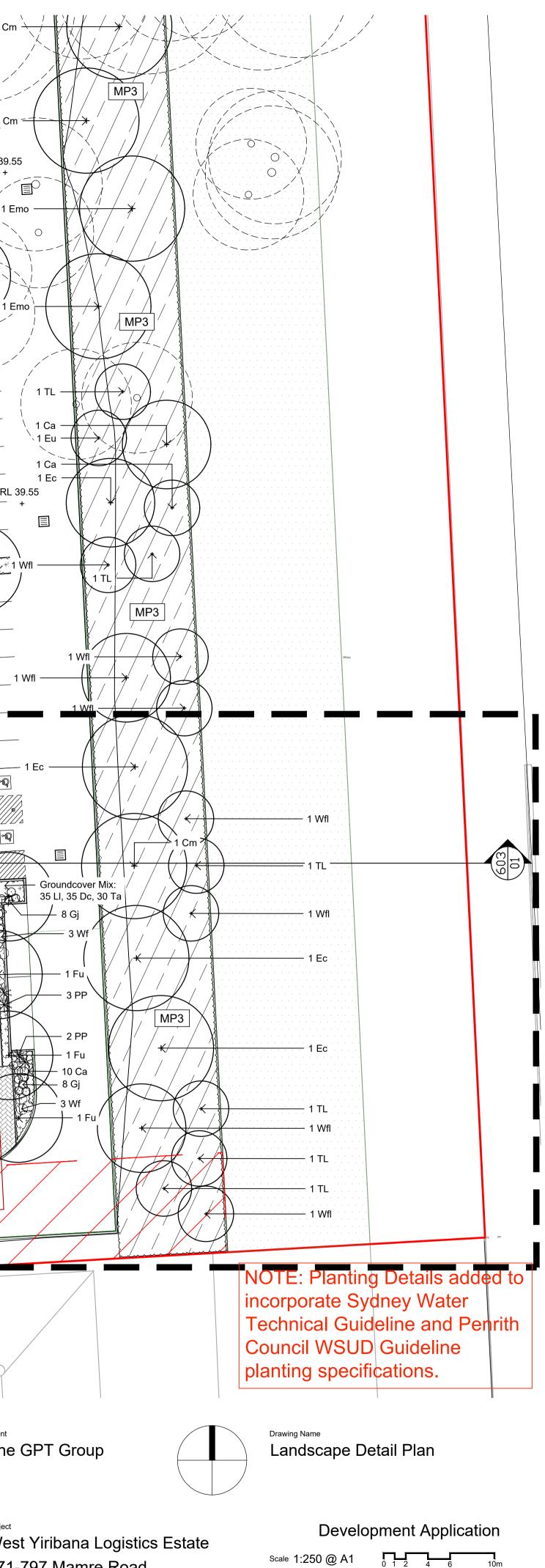






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+ RL 40.00	
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	RL 39:65 + 108

	$\frown \frown$		$\checkmark \checkmark \checkmark$		SITE IMAGE	Client
Concrete Path		Matrix Planting Type 1 Refer to Detail	\$ 11 11 11 11 11 \$ 11 11 11 11 1 \$ 11 11 11 11 \$	Sydney Water Drainage Planting Refer to Detail & Sydney Water Technical Guidelines		The
Meadow Planting		Matrix Planting Type 2 Refer to Detail		Detention Basin Matrix Planting Refer to Detail & Council's WSUD Guidelines	Landscape Architects	
Paving Type 1		Matrix Planting Type 3 Refer to Detail			Level 1, 3-5 Baptist Street Redfern NSW 2016 Australia	
Defendable Space to Vegetation in RE1 Corridor		Matrix Planting Type 4 Refer to Detail	$\land$ $\land$ $\land$		Tel: (61 2) 8332 5600 Fax: (61 2) 9698 2877 www.siteimage.com.au	7

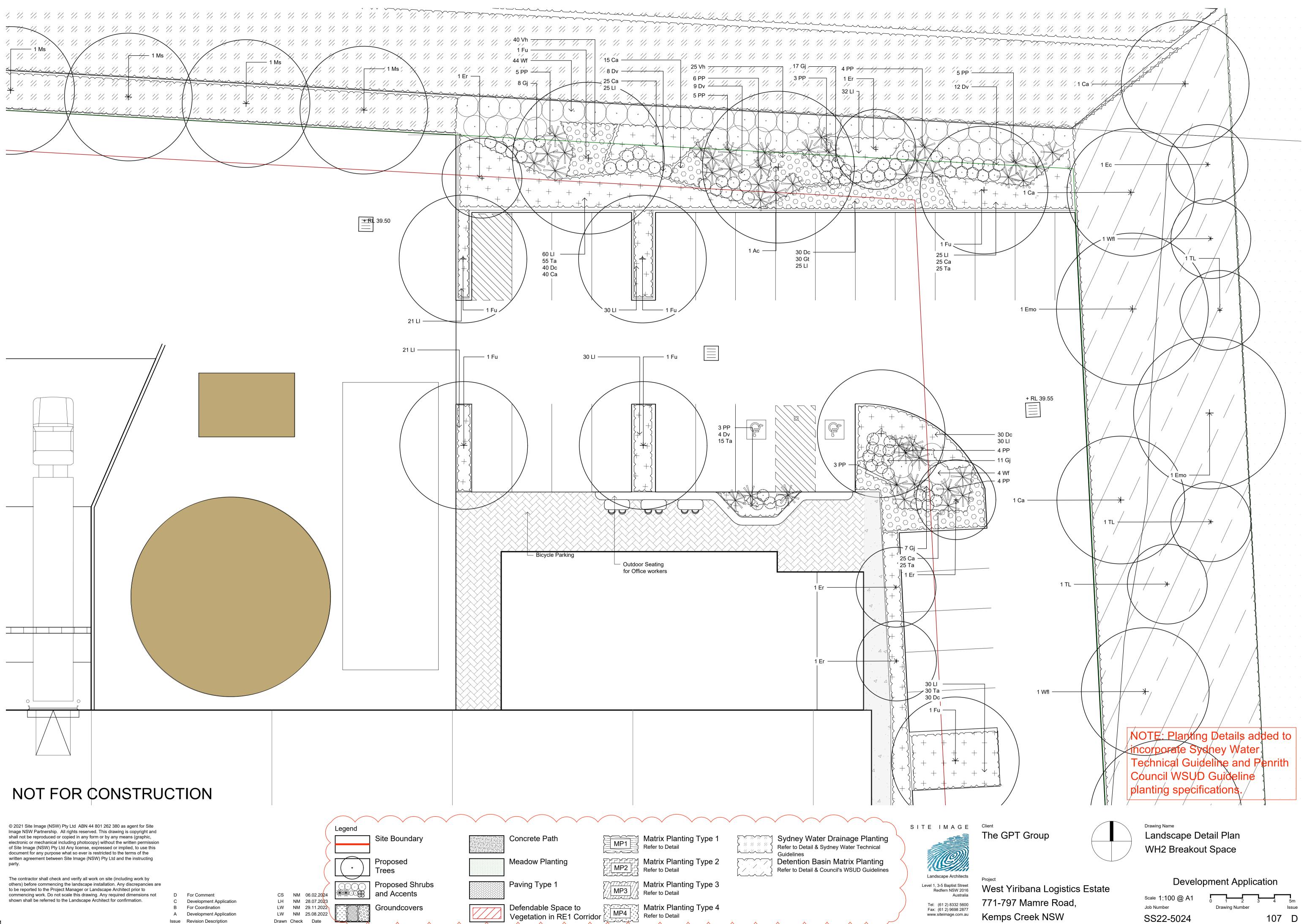


71-797 Mamre Road, emps Creek NSW

Scale 1:250 @ A1 Job Number SS22-5024

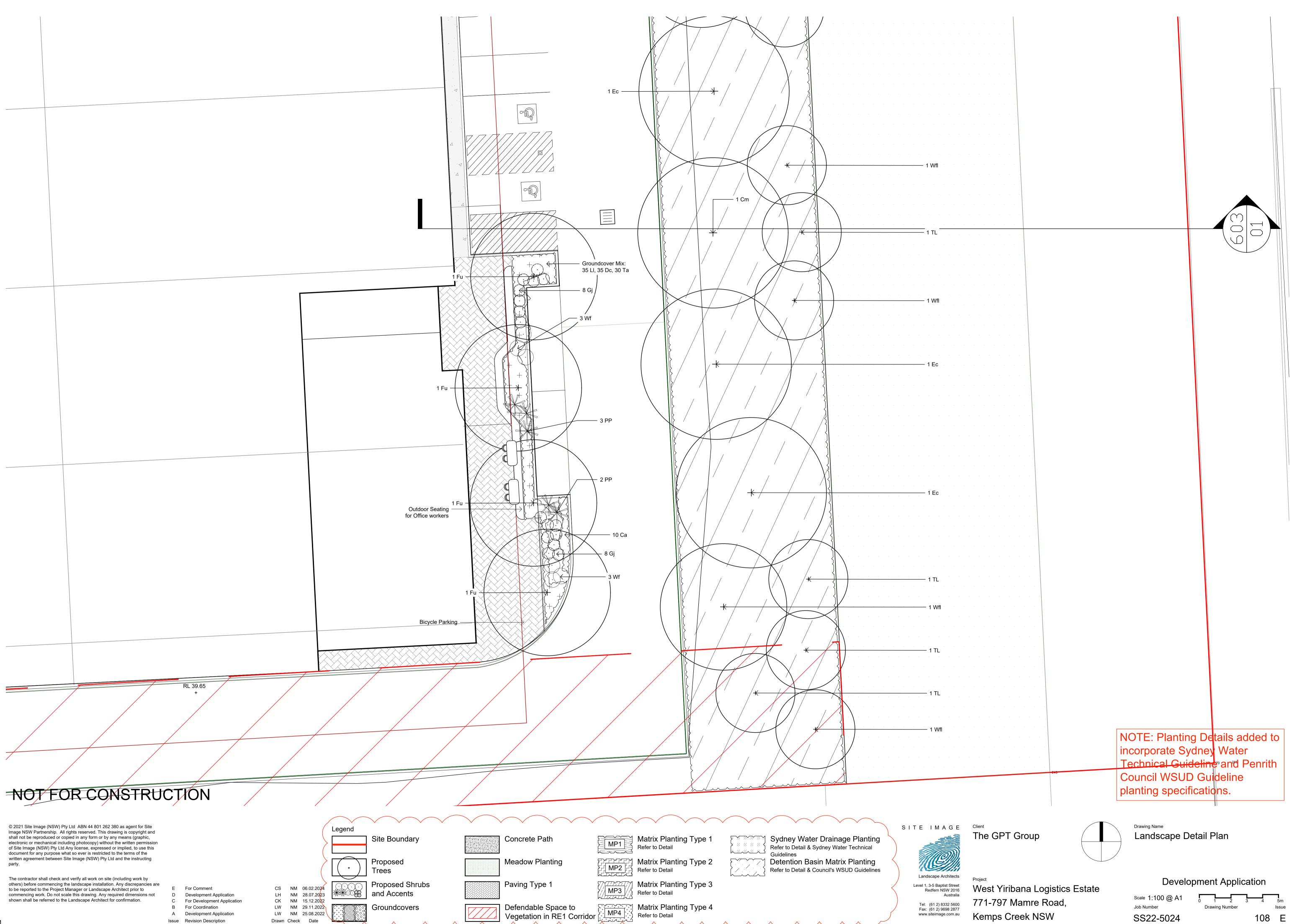
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Issue



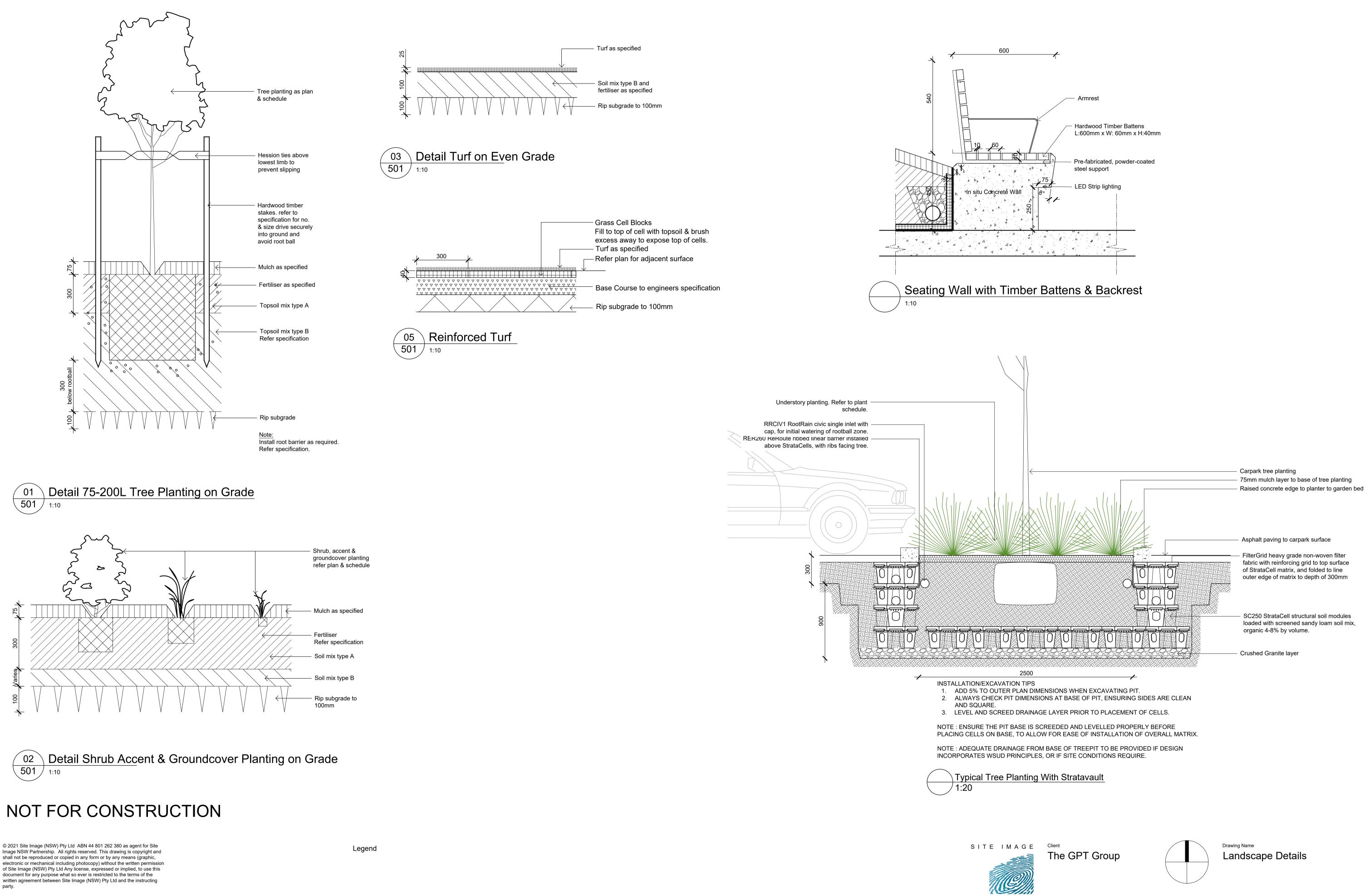
Kemps Creek NSW

107 D



	SITE IMAGE	Client
Concrete Path MP1 MP1 Mefer to Detail Refer to Detail Mefer to Detail Metrix Planting Type 1 Refer to Detail Refer to Detail Sydney Water Drainage Planting Refer to Detail Sydney Water Drainage Planting Guidelines		The
Meadow Planting MP2 MP2 Refer to Detail Matrix Planting Type 2 Refer to Detail Refer to Detail & Council's WSUD Guidelines	Landscape Architects	Project
Paving Type 1 Matrix Planting Type 3 MP3 Refer to Detail	Level 1, 3-5 Baptist Street Redfern NSW 2016 Australia	We
Defendable Space to Vegetation in RE1 Corridor	Tel: (61 2) 8332 5600 Fax: (61 2) 9698 2877 www.siteimage.com.au	771 Ker

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A1

C For Comment B Development Application A Development Application Issue Revision Description

CS NM 06.02.2024 LH NM 28.07.2023 LW NM 15.12.2022 Drawn Check Date

Landscape Architects Level 1, 3-5 Baptist Street Redfern NSW 2016

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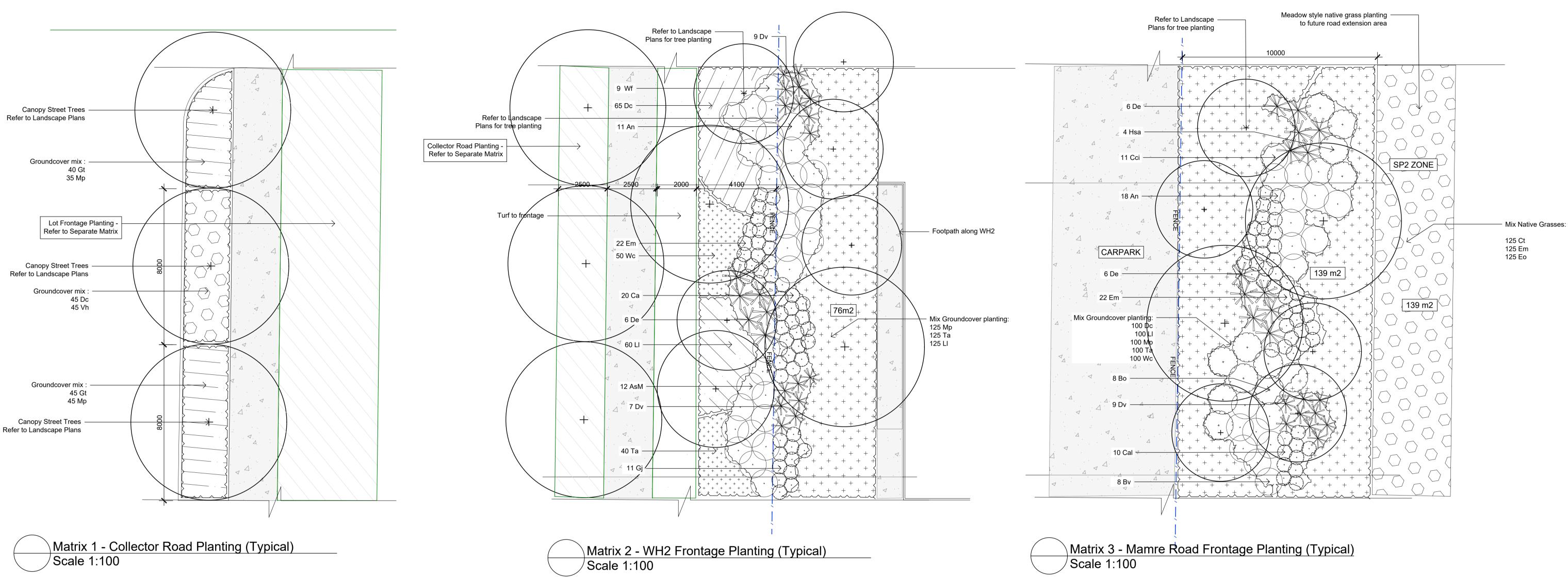
Project West Yiribana Logistics Estate 771-797 Mamre Road, Kemps Creek NSW

### **Development Application**

Scale As Shown Job Number SS22-5024

Drawing Number

Issue 501 C



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E For Comment B Development Application A Development Application Issue Revision Description

CS NM 06.02.2024 LH NM 28.07.2023 CK NM 15.12.2022 Drawn Check Date

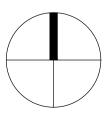
Legend



Project

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Drawing Name Matrix Planting Details

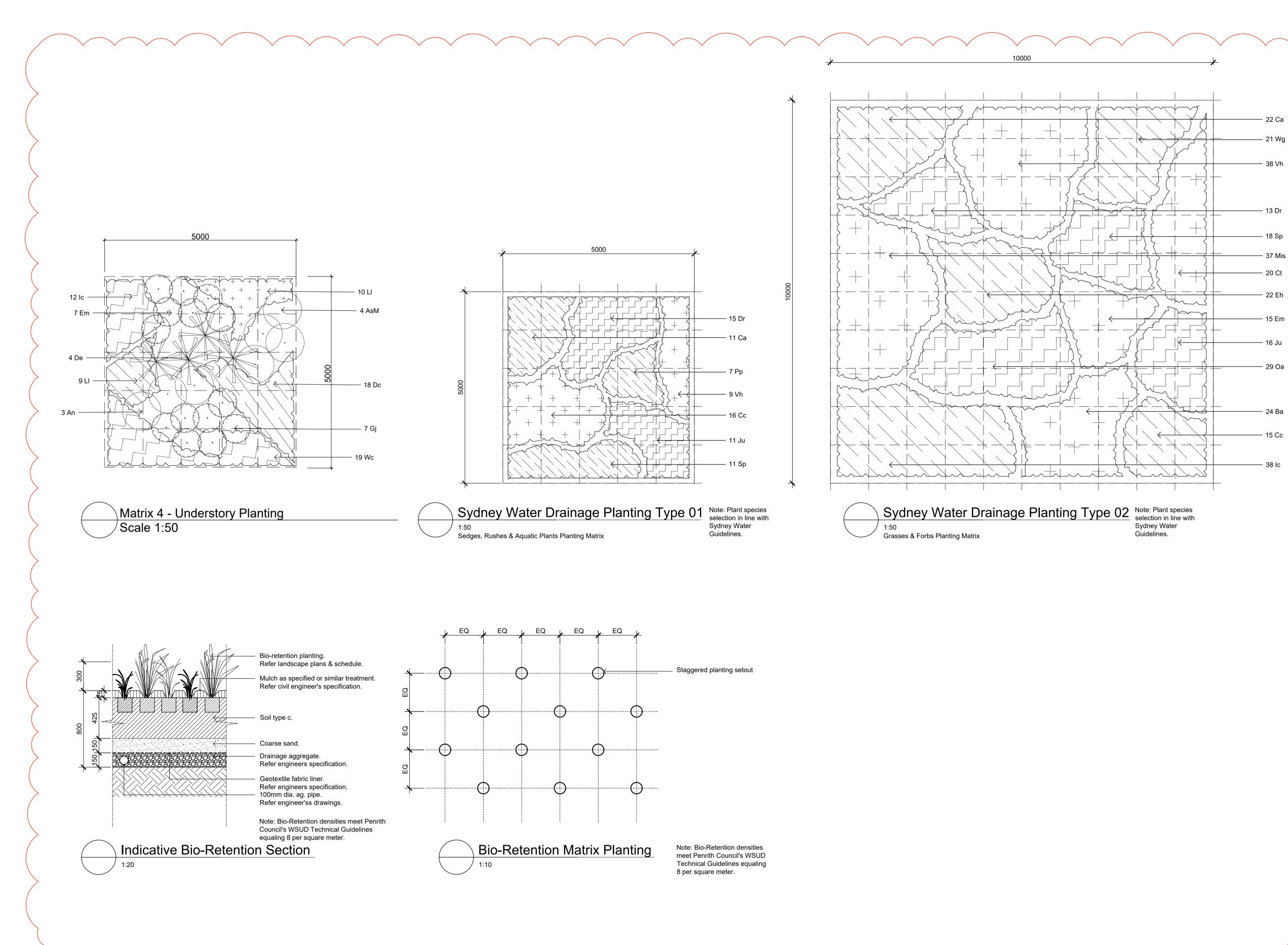
West Yiribana Logistics Estate 771-797 Mamre Road, Kemps Creek NSW

**Development Application** 

Scale As Shown Job Number SS22-5024

Drawing Number

Issue 502 C



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C For Comment B Development Application A Development Application Issue Revision Description

Legend

 CS
 NM
 06.02.2024

 LH
 NM
 28.07.2023

 CK
 NM
 15.12.2022

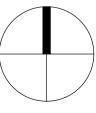
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 Check
 Date



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### NOTE: Planting Details added to incorporate Sydney Water Technical Guideline and Penrith Council WSUD Guideline planting specifications.

Client The GPT Group



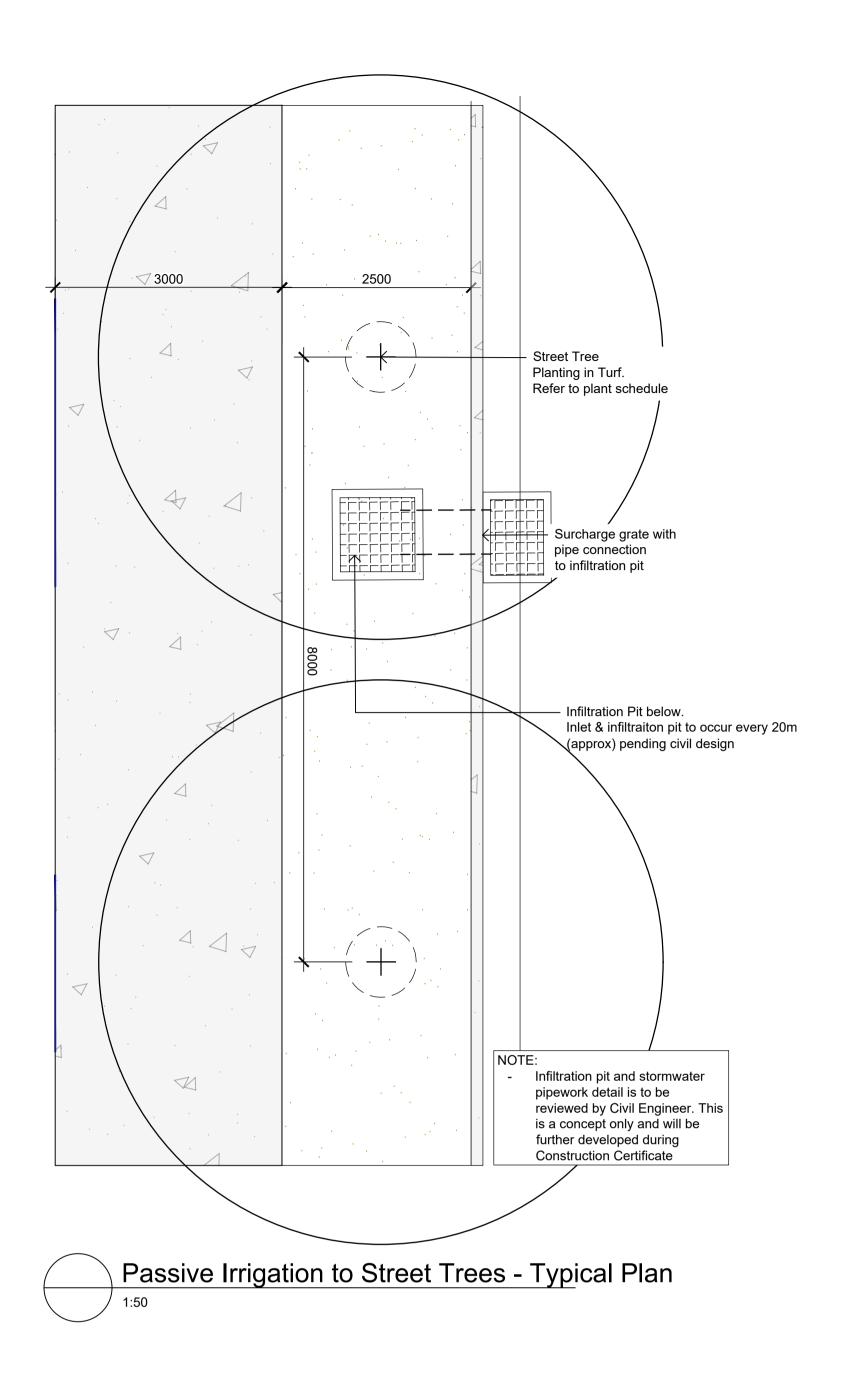
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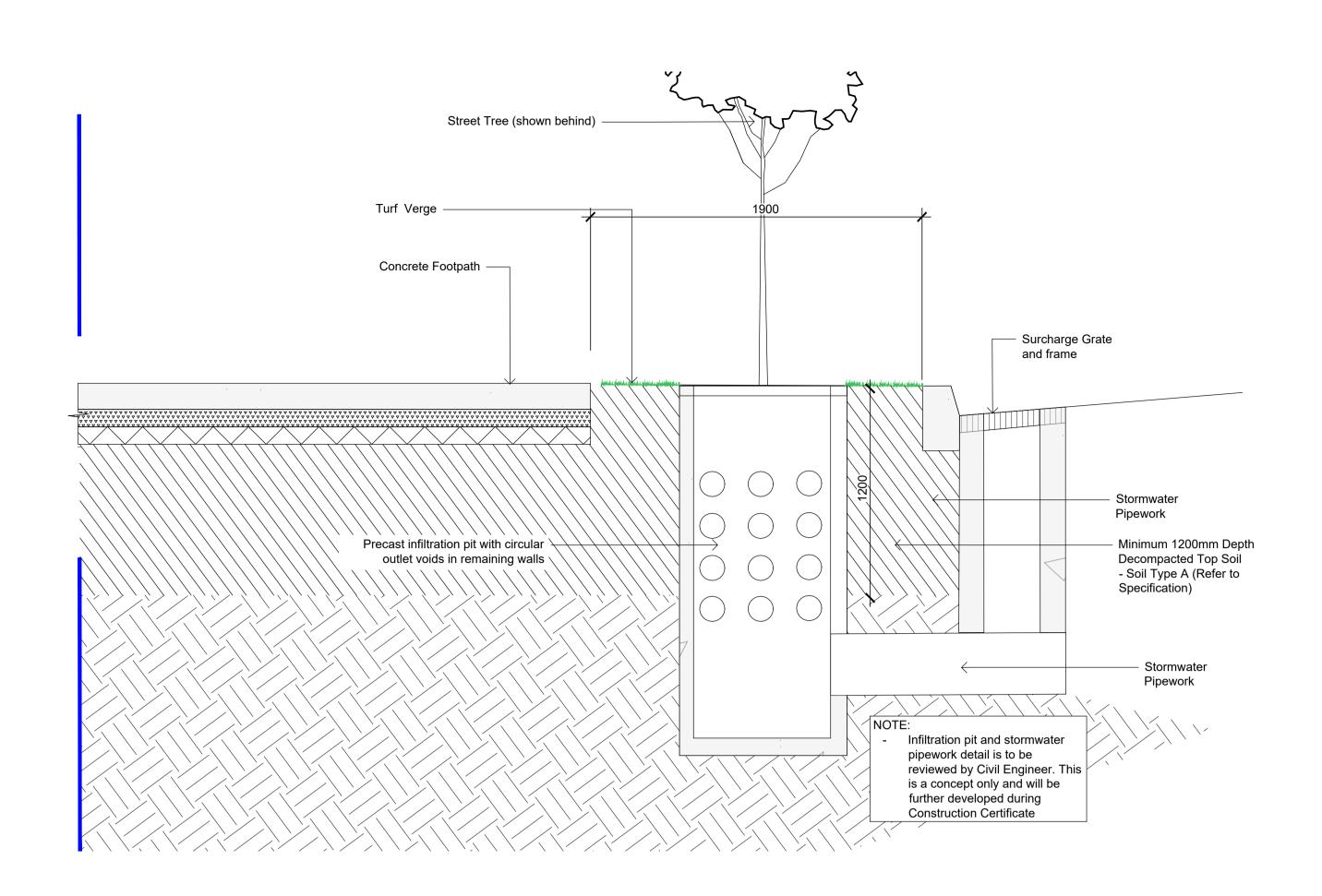
Project West Yiribana Logistics Estate 771-797 Mamre Road, Kemps Creek NSW **Development Application** 

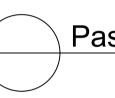
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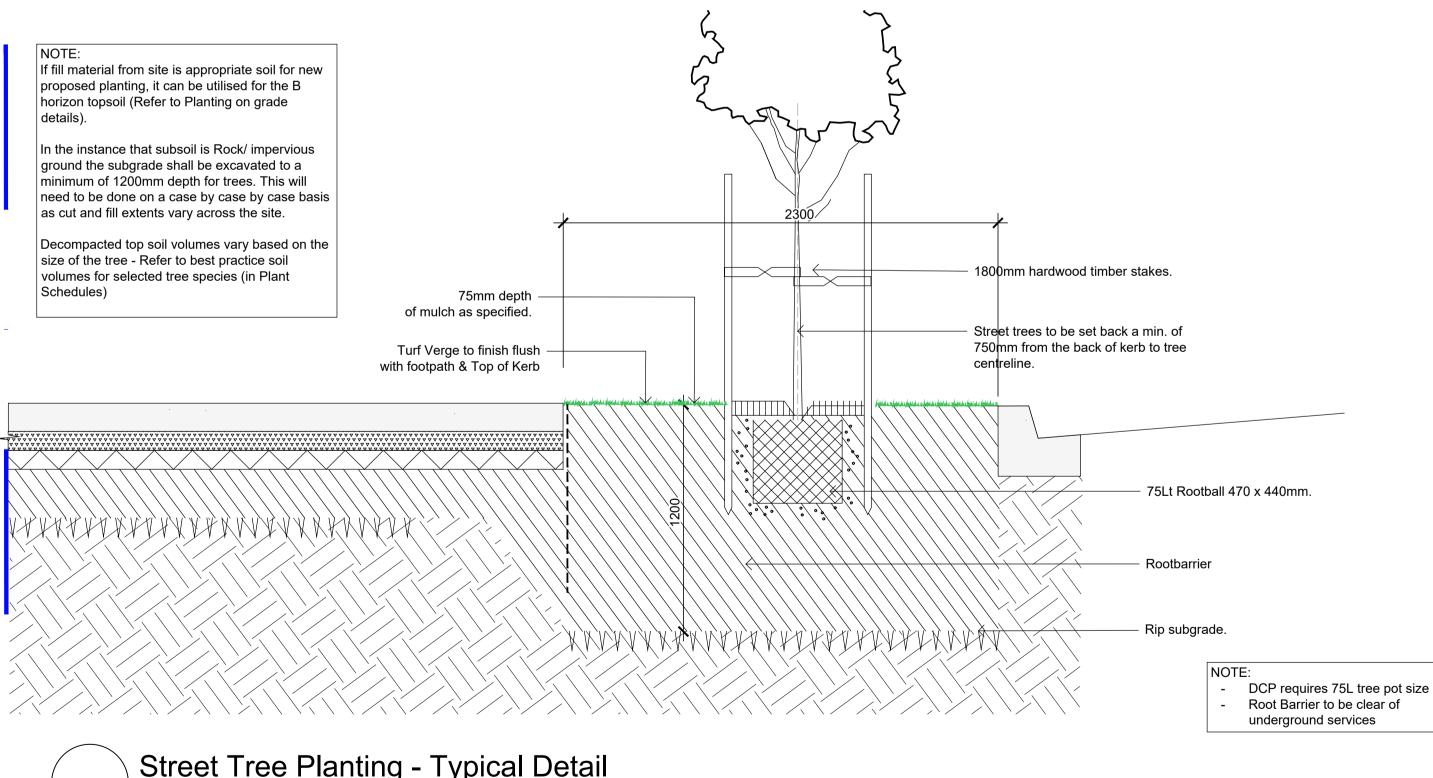
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<sup>Issue</sup>









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### Passive Irrigation to Street Trees - Typical Detail

Street Tree Planting - Typical Detail



Project 771-797 Mamre Road, Kemps Creek NSW

Drawing Name

Landscape Details

West Yiribana Logistics Estate

**Development Application** 

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Drawing Number

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Issue

#### **GENERAL NOTES**

#### References

All plans and details included in the project documents shall be read in conjunction with this specification. All structural and civil works components of the landscape design shall be referenced to engineers' details and specifications. Read this specification in conjunction with the plant and materials schedule on this drawing. If in doubt about any detail or if conflicts are found in the documents, seek advice.

#### Workmanship and Materials

The whole of the landscape works shall be carried out by a competent, trained and qualified landscape contractor who is experienced in horticultural practices, landscape construction and planting techniques. The landscape contractor shall hold a current Building Contractors License and/or be a financial member of LNA Landscape Association NSW & ACT or equivalent organisations in other states.

#### EXISTING TREES

#### **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. 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.

#### 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 wind-blown materials such as cement from harming trees and plants. Do not remove topsoil from, or add topsoil to, the area within the drip-line of trees.

#### EARTHWORKS

#### **Excavation, Trimming and Filling**

Except as otherwise note in the contract, bulk excavation is excluded from the landscape works. Trim and fill the excavated ground surfaces to achieve design levels to accommodate finish materials as detailed. Compact the finished surface as required for the finished ground treatment.

#### Sub-soil Drainage

Keep the excavated works drained and free of standing water. Allow to supply and install sub-soil drainage pipes as required for the new works to ensure that all gardens are well drained. Connect the sub-soil drainage pipes to the nearest downstream stormwater pits. Include pipe filter socks.

#### SOFTWORKS

#### 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.

#### Subsoil

In the instances where impervious subsoils are encountered, excavate all garden beds with trees to bring the subsoil to at least 1200mm 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. Shape the subsoil to fall to subsoil drains where applicable. 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.

#### 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.

#### Compost

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

#### 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.

#### Plants

A1

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

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- 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 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.

#### Plant Installation

Following excavation of the planting hole place and spread 15gms of wetting agent pre-mixed with one (1) litre of water. Place the plant correctly orientated to north or for best presentation. Backfill the planting holes with specified topsoil mixture. Lightly tamp and water to eliminate air pockets. Ensure the topsoil is not placed over the top of the rootball. Keep the plant stem at the same height above the ground as it was above the soil in the container. Apply fertiliser, as recommended in the soil testing results or in accordance with the manufacturer's recommendations around the plants in the soil at the time of planting.

#### **Embankment Stabilisation**

Where necessary to prevent soil erosion or soil movement, stabilise embankments. As a minimum this should be on slopes >1:3. Stabilise embankments using biodegradable fibre reinforced with heavy weight polymer mesh. Lay mesh from top to bottom of slope. Install in accordance with manufacturer's specification, including 300 x 300 mm anchor trenches at top and bottom, backfilled with soil over the mesh and compacted, and U-shaped galvanised steel pegs at 1000 mm centres and 250mm centres at edge overlaps. Plant after matting is installed.

#### Root Barrier

Supply and install root control barriers to all new tree plantings adjacent to walls, paths and all trunk service trenches, where their proximity poses a threat to the stability of the infrastructure. Install in accordance with manufacturer's recommendations.

#### Mulch

Mulch shall be approved recycled wood fibre or pine bark mulch. Place mulch in all garden beds to a depth of 75mm, after all specified plants are installed. Keep mulch clear of all plant stems and rake to an even surface flush with the surrounding surfaces evenly graded between design surface levels. Over fill to allow mulch to settle to the specified depth.

#### Stakes and Ties

Stakes shall be durable hardwood, straight, free of knots and twists, pointed at one end, in the following quantities and sizes for each of the various plant pot sizes: Plants (>25 lt): 1 off 38 x 38 x 1200mm;

- Semi-advanced plants (>75 lt): 2 off 50x50x 1800mm;
- Advanced (>100 lt): 3 off 50 x 50 x 2400mm.

#### Turf

Turf shall be 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, joints staggered and close butted; Parallel long sides of level areas, with contours on slopes; &
- To finish flush, after tamping, with adjacent finished surfaces of ground.

#### IRRIGATION

All proposed landscape areas shall be irrigated.

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.

#### LANDSCAPE MAINTENANCE

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;
- Stakes and ties; Maintaining mulch;
- Mowing and top dressing;
- Irrigation and watering;

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 Erosion control; and Weeding and rubbish removal.

#### Maintenance Log Book

Implement and keep a maintenance log book recording when and

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#### Legend

#### Maintenance Activ Schedule the follow

contractor shall target weeds that are capable of producing a

### Table A6

70-100% by volume Example: 8 parts washed sand 2 parts sandy loam 2 kg/m3 at mixingExample + Lime and/or dolomite + NPK

what maintenance work has been undertaken and what materials,							
actions and decisions have been used, implemented and concluded to keep the landscape always looking its best.	MAINT	ENANCE PROGRAM					
concluded to keep the landscape always looking its best.							
Maintenance Activities	Table	Activity	Freque				Action
Schedule the following activities to occur on a timely basis.			DV	N 2W 3W	M	3 or 6M	Daily, Weekly, Monthly
Plant replacement - Replace plants that have failed to							
mature,	1	Logbook	+	+	+		Complete a logbook entry every day at site and at least every
die or are damaged. Replacement plants shall be in a similar size and							two weeks. All actions listed below require a logbook entry.
quality and identical species or variety to the plant that has failed.							Upon request, make the logbook available for inspection.
Replacement of plants shall be at the cost of the landscape							Submit copies of new entries in the logbook to the Contract
contractor unless advised otherwise. If the cause of the failure is due to a							Administrator on a monthly basis. Please note that more
controllable situation then correct the situation prior to replacing							frequent, short, occasional inspection should result in less
plants.							maintenance work when problems are observed earlier than
<ul> <li>Pruning - Prune dead wood, broken limbs, dead or infected foliage and as needed to develop strong, healthy plants to</li> </ul>							they might otherwise have been seen.
achieve the	2	Plant replacement					
shape and form expected of the plant type.	2	Flant replacement		T	<b>–</b>		Inspect and replace failed plants within 2 weeks of observation
<ul> <li>Insect and pest control - Avoid spraying:</li> <li>o if ever possible;</li> </ul>							of failure. Match species, size (original) and location of new
<ul> <li>in wet weather or if wet weather is imminent;</li> </ul>					_		with old.
<ul> <li>if target plants are still wet after rain;</li> </ul>	3	Mulch		+	+		Inspect and replace mulch deficiencies within 2 weeks of
<ul> <li>in windy weather; and</li> <li>if non-target species are too close.</li> </ul>							observation. Prior to placing new mulch aerate the soil by fork
Immediately report to the Project Manager any evidence of							turning to a depth of at least 100mm, roughly level the soil and
intensive weed infestation, insect attack or disease amongst plant							then place mulch. Do not disturb major plant roots while
material. Submit all proposals to apply chemicals and obtain approval before starting this work. When approved, spray with							aerating soil.
herbicide, insecticide, fungicide as appropriate in accordance with		Erosion control					
the manufacturers' recommendations. Record in the logbook all	4	LIUSION CONTO		T			Inspect every two weeks and repair ground, soil and mulch
relevant details of spraying activities including: ○ Product brand / manufacturer's name,							immediately. Maintain erosion control device as necessary.
<ul> <li>Chemical / product name,</li> </ul>	5	Stakes and ties		+			Inspect every two weeks, adjust and/or replace as necessary
<ul> <li>Chemical contents,</li> </ul>	5						but remove as plants mature and are able to support
<ul> <li>Application quantity and rate,</li> <li>Date of application and location,</li> </ul>							themselves.
<ul> <li>Results of application, and</li> </ul>	6	Weed and rubbish		+	_		
• Use approval authority.		removal					Inspect and remove immediately upon observation. Leave no
<ul> <li>Fertilising - Fertilise gardens with a proprietary slow release fertiliser applied in accordance with the manufacturer's directions</li> </ul>							waste on site. Dispose of waste material at a designated
and							waste disposal site.
recommendations. Record in the logbook all relevant details of	7	Pruning		+			
fertilising including: ○ Product brand / manufacturer's name.							Inspect every 2 weeks and prune as necessary to remove dead
<ul> <li>Fertiliser / product name,</li> </ul>							wood, improve plant shape and promote healthy vigorous new growth.
<ul> <li>Application quantity and rate, and</li> </ul>							growai.
<ul> <li>Date of application and location.</li> <li>Stakes and ties - Adjust and replace as required to ensure</li> </ul>	8	Spraying		+			Inspect every 2 weeks and action as necessary. Do not spray if
plants remain correctly staked. Remove those not required at the							other non-chemical methods will satisfy the need to remove
end							insects. Spray for disease control only when absolutely
of the planting establishment period (Defects Liability Period). <ul> <li>Maintaining mulch - Maintain the surface in a clean, tidy</li> </ul>							necessary.
and		l lune mé su e vice					
weed free condition and reinstate the mulch as necessary to	9	Urgent works		+			Complete within 1 week (7 days) of notification. Inspect and
ensure correct depth as specified.							clear drains.
<ul> <li>Mowing and top dressing - Mow the turf to maintain a</li> </ul>	10	Planting and fertilising		+		3m+	Inspect every 2 weeks and remove spent flowers and dead
grass							stalks as they become apparent. Fertilise gardens every 3
height of between 30-50mm. Do not remove more than one third							months or other frequency in accordance with fertiliser
the grass height at any one time. Remove grass clippings from							manufacturer's directions.
the site	11	Watering	+	+			Water when and where percent are sent day of the set of the
after each mowing. Top dress to a maximum of 10mm to fill depressions and hollows in the surface.							Water when and where necessary every day at site and at least every 2 weeks generally. Do not allow soil and plants to
<ul> <li>Irrigation and watering - Maintain the irrigation system to</li> </ul>							dehydrate. Allow for prolonged rain, windy and dry periods.
sure						Water in the early morning or late afternoon to avoid excessive	
that each individual plant receives the required amount of water to							evaporation during the heat of the day.
maintain healthy and vigorous growth, adjust and rectify as							
required.	12	Mowing, top-dressing		+	+	6m+	Summer fortnightly. Winter monthly. Top-dress 6 monthly.
<ul> <li>Provide additional watering, if necessary.</li> <li>Erosion control - Where necessary, maintain the erosion</li> </ul>		and edging					
control devices in a tidy and weed free condition and reinstate as							
necessary to ensure control measures are effective where							
deemed							
necessary.      Weeding and rubbish removal - During the plant							
establishment							
period remove by hand, rubbish and weed growth that may occur or							
or re-occur throughout all planted, mulched and paved areas. The							
contractor shall target weeds that are capable of producing a							

infestation of unwanted plants by seed distribution. Whenever possible, time weed removal to precede flowering and seed set.

GARDEN SOIL SPECIFICATION

The garden soil is intended for mass planting of grasses, woody and herbaceous perennials in gardens other than on structure. Garden soil shall be used where it will not be subject to compaction under foot traffic shall consist of sandy loam to clay

loam topsoil mix. Drainage is an essential requirement of this heavier soil mix. Subsoil drains shall be installed into the lower levels of the soil profile to collect excess subsoil water. This soil is intended to be direct tube and pot specimen planted up to 45 litre and should have the characteristics listed in Table A6 below...

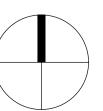
Physical components - Sandy loam soil or site won topsoil

1 part AS4454 compostComposted soil conditioner (conforming to AS4454) 0-30% by volumeFertilisersLime and/or dolomite

• + Trace elementsBalanced compound NPK turf starter fertiliser 0.5 kg/100m2 after placementMinor and trace elements 300 g/m3 at mixing

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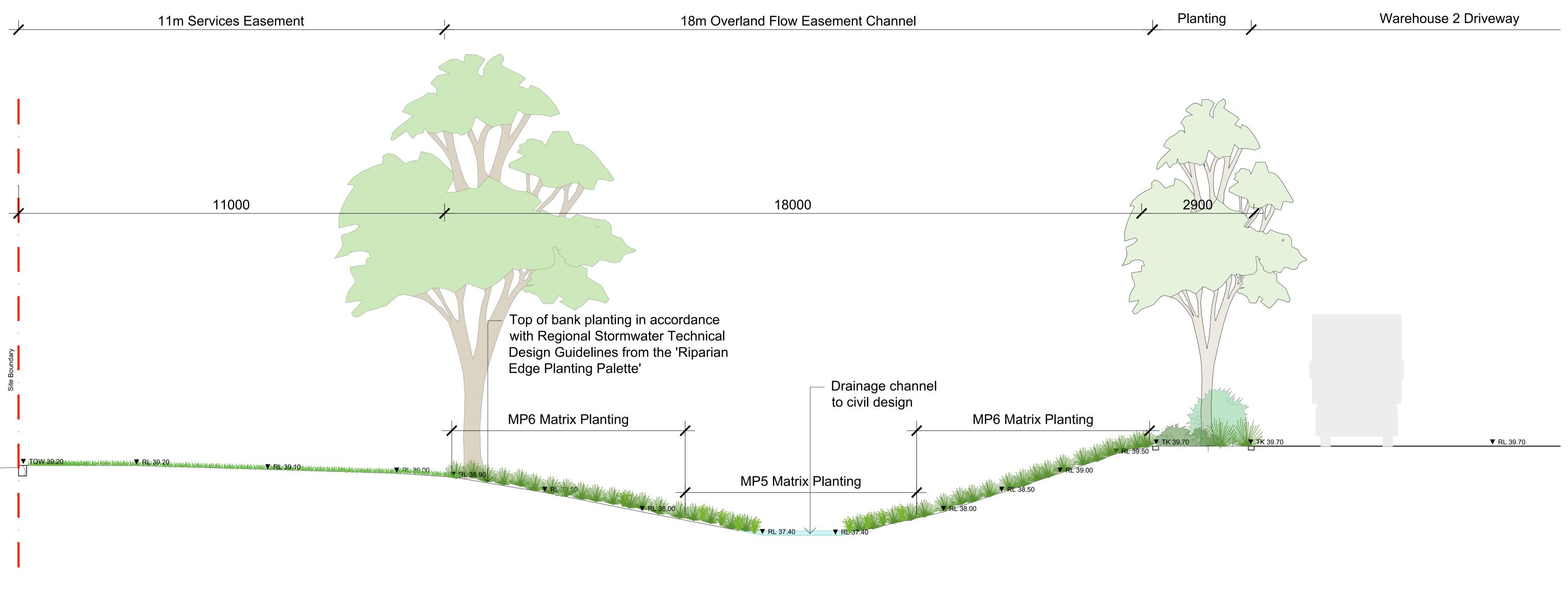
West Yiribana Logistics Estate 771-797 Mamre Road, Kemps Creek NSW

### Development Application

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Drawing Number

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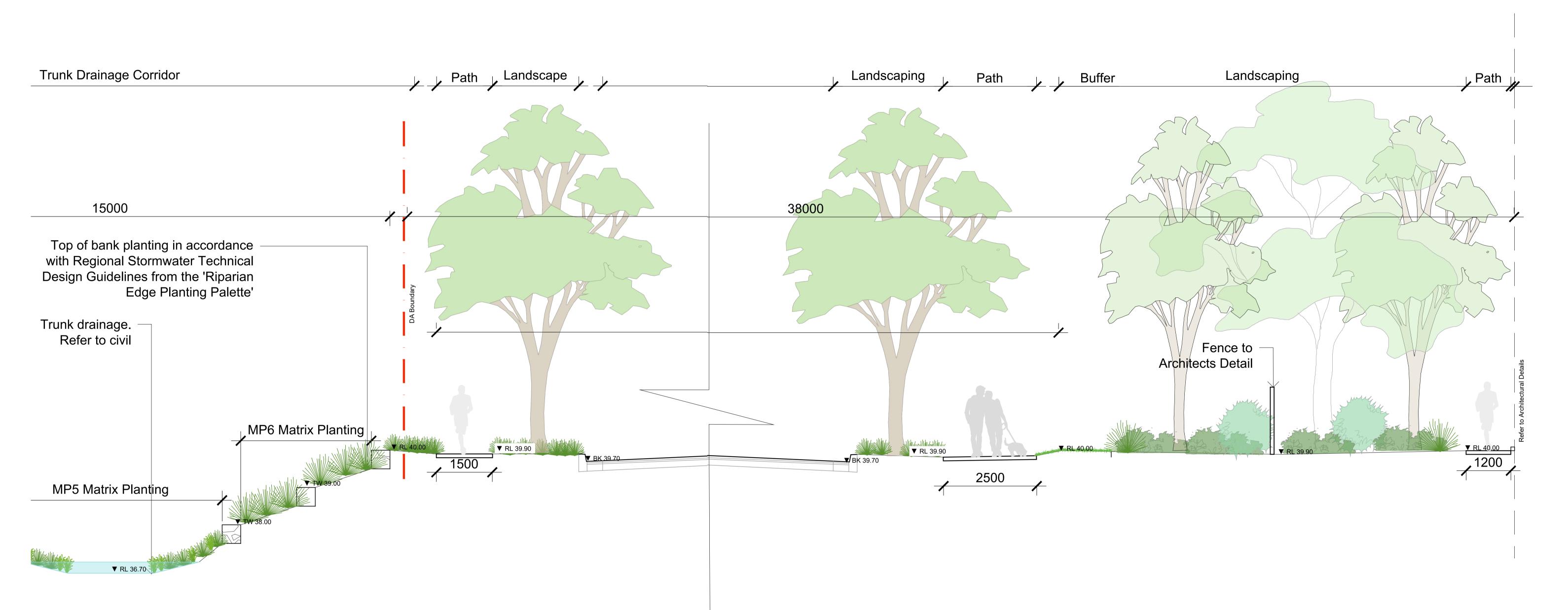
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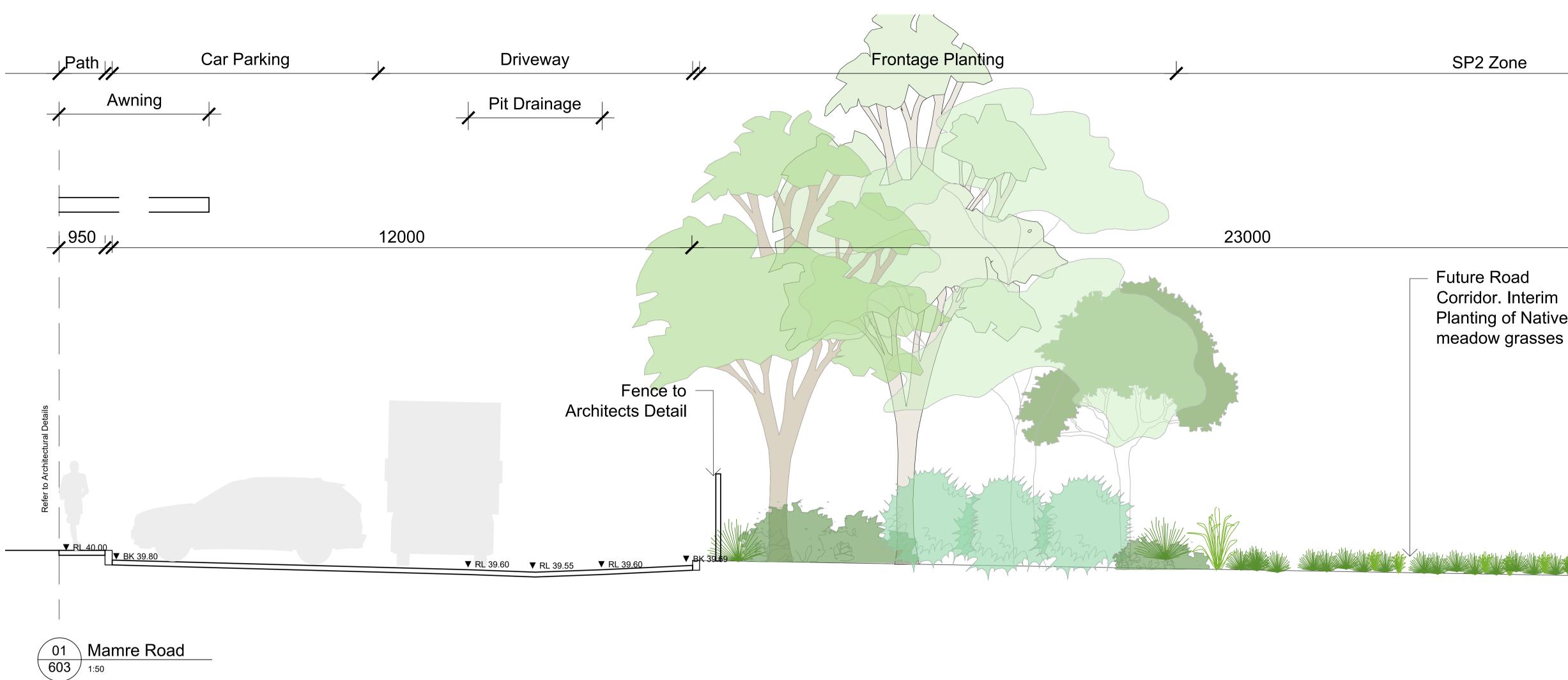
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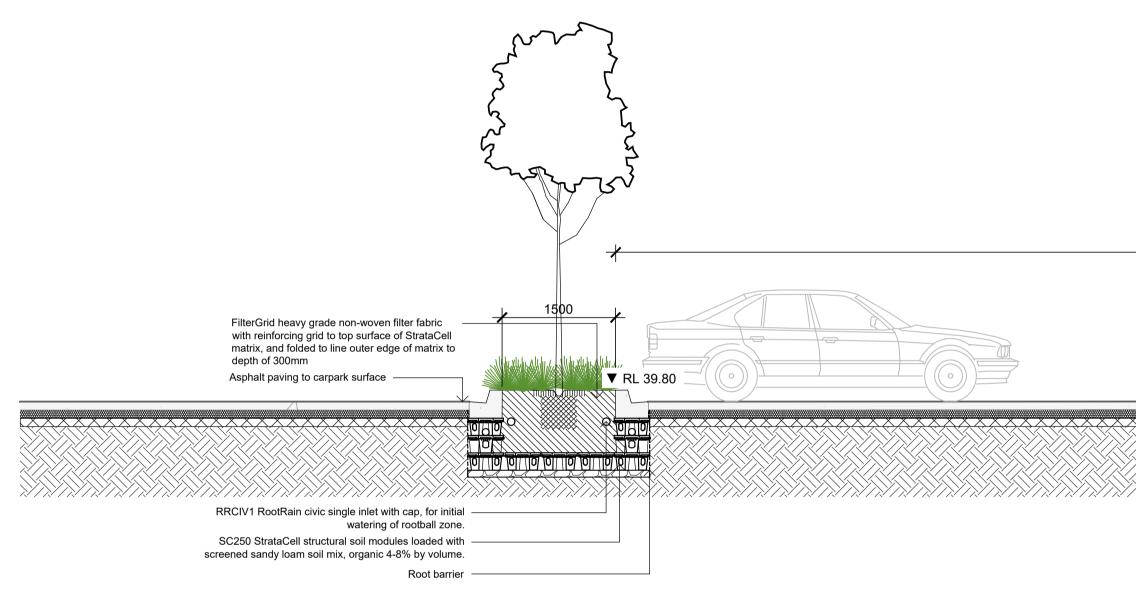
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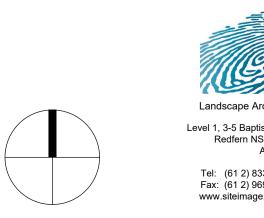
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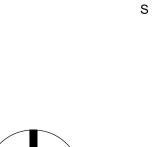
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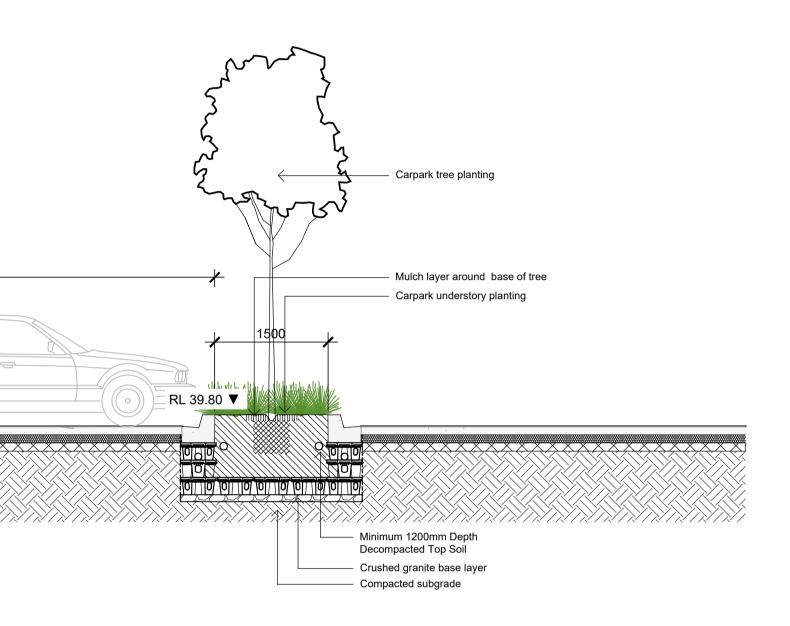


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