

D19-0038
TEMPLE TERRACE LANDSCAPE UPGRADE
STAGE 1 - KAFCALOUDES CRESCENT TO CHUNG WAH TERRACE
LANDSCAPE WORKS DRAWING SET

UPDATED TENDER ISSUE
NOVEMBER 2019

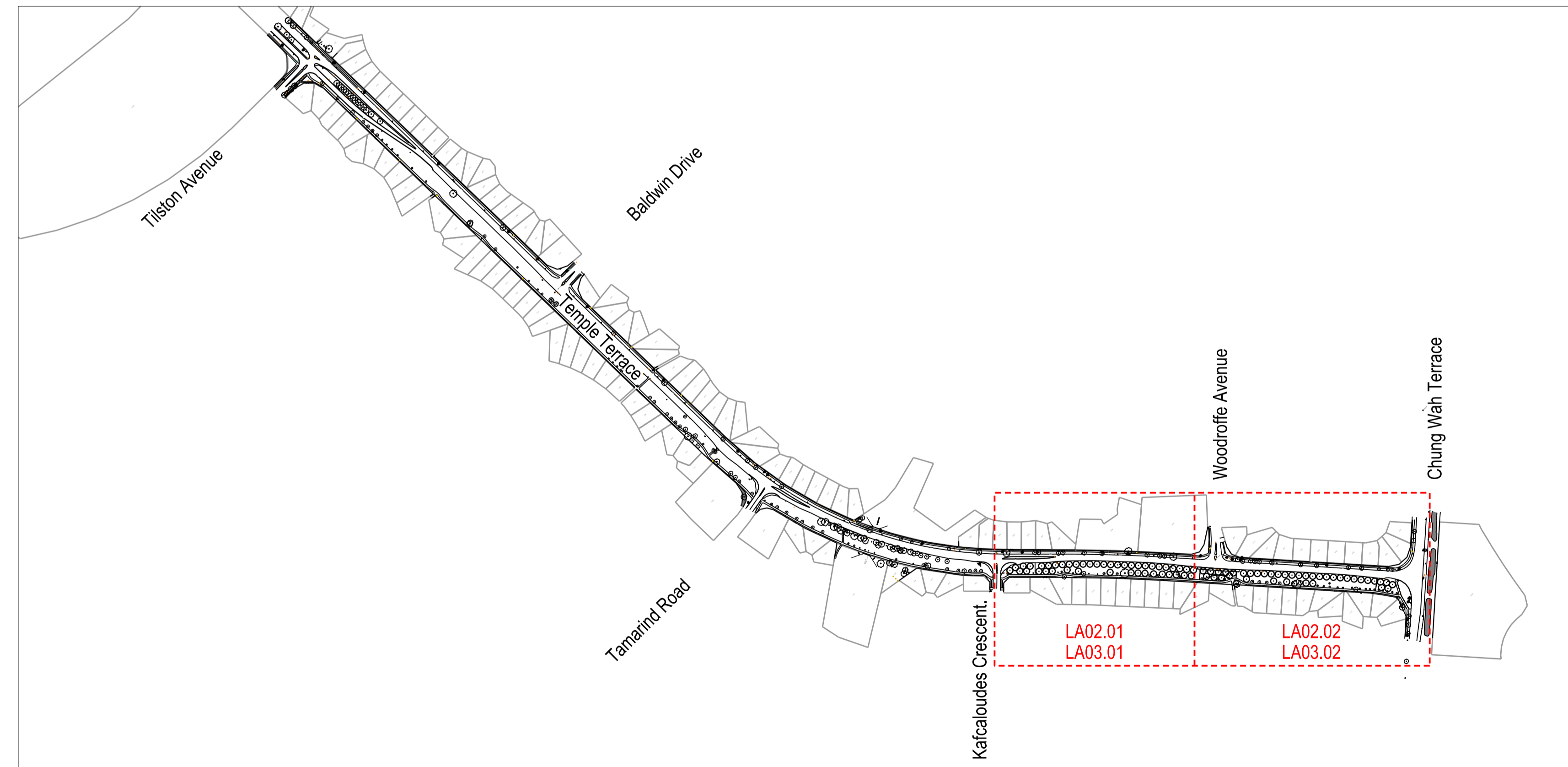
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THE FOLLOWING FORM PART OF THE DOCUMENTATION AND CONSTRUCTION SET.

DRAWING NUMBER	TITLE	SCALE	REVISION
LA01.01	COVER PAGE	-	D
LA02.01	GENERAL ARRANGMENT PLAN - SHEET 1 OF 2	1:500@A1	C
LA02.02	GENERAL ARRANGMENT PLAN - SHEET 2 OF 2	1:500@A1	C
LA03.01	PLANTING PLAN - SHEET 1 OF 2	1:500@A1	C
LA03.02	PLANTING PLAN - SHEET 2 OF 2	1:500@A1	D
LA04.01	DETAILS	AS SHOWN	C
19/11233/1D	TOPOGRAPHIC DRAWING	1:500@A1	A
19/11233/1E	TOPOGRAPHIC DRAWING	1:500@A1	A
19/11233/1F	TOPOGRAPHIC DRAWING	1:500@A1	A
15358-000	IRRIGATION WORKS - KEY PLAN	1:500@A1	A
15358-001	IRRIGATION WORKS - LAYOUT 1	1:250@A1	A
15358-002	IRRIGATION WORKS - LAYOUT 2	1:250@A1	A
15358-003	IRRIGATION WORKS - LAYOUT 3	1:250@A1	A
15358-004	IRRIGATION WORKS - LAYOUT 4	1:250@A1	A



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SITE LOCATION MAP

1:5000@A1

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D	UPDATED TENDER ISSUE	19/11/2019	HS	TC
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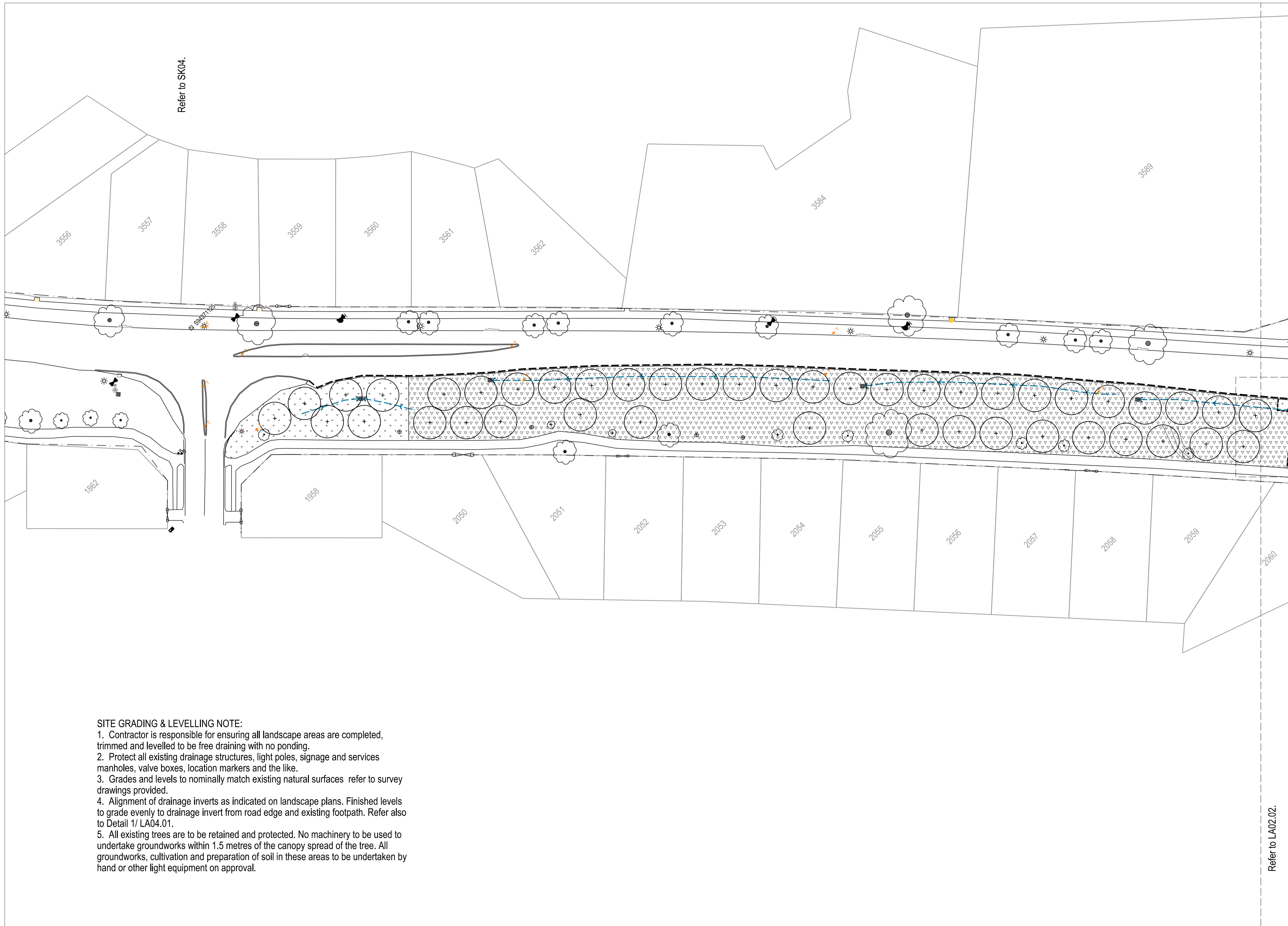
CLIENT
CITY OF PALMERSTON
 CIVIC PLAZA
 1 CHUNG WAH TERRACE
 PALMERSTON NT 0831
 EMAIL palmerston@palmerston.nt.gov.au
 TELEPHONE 08 8935 9922

LEAD CONSULTANT
CLOUSTON associates
 LANDSCAPE ARCHITECTS
 LEVEL 5
 21 KNUCKEY STREET
 DARWIN NT 0800
 EMAIL darwin@clouston.com.au
 TELEPHONE (08) 8941 2450



PROJECT LANDSCAPE WORKS DRAWING SET
TEMPLE TERRACE LANDSCAPE UPGRADE - STAGE 1
 DRAWING TITLE
COVER PAGE

CLIENT CITY OF PALMERSTON	SCALE -
DRAWING NUMBER D19-0038 LA01.01	DRAWN HS
REVISION D	



- LEGEND**
- EXISTING TREE TO BE RETAINED & PROTECTED
 - TREE
Refer to LA03.01 and LA03.02 and Detail LA04.01/03.
 - IRRIGATED GRASS
Refer to Detail LA04.01/01.
 - DRYLAND GRASS
Refer to Detail LA04.01/01.
 - GARDEN BED
Refer to Detail LA04.01/02.
 - CONCRETE PAVEMENT
(2.5m width typical)
Refer to Detail LA04.01/06.
 - CONCRETE EDGE
Refer to Detail LA04.01/04.
 - PINNED KERB
(300mm inside edge of bitumen)
Refer to Detail LA04.01/05
 - DRAINAGE SWALE INVERT & FLOW DIRECTION

NOTE:
Trees to be located minimum of 5.0m from edge of bitumen and 5.0m from edge of footpaths, minimum 2.0m out of drainage invert.

- SITE GRADING & LEVELLING NOTE:**
1. Contractor is responsible for ensuring all landscape areas are completed, trimmed and levelled to be free draining with no ponding.
 2. Protect all existing drainage structures, light poles, signage and services manholes, valve boxes, location markers and the like.
 3. Grades and levels to nominally match existing natural surfaces refer to survey drawings provided.
 4. Alignment of drainage inverts as indicated on landscape plans. Finished levels to grade evenly to drainage invert from road edge and existing footpath. Refer also to Detail 1/ LA04.01.
 5. All existing trees are to be retained and protected. No machinery to be used to undertake groundworks within 1.5 metres of the canopy spread of the tree. All groundworks, cultivation and preparation of soil in these areas to be undertaken by hand or other light equipment on approval.

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CITY OF PALMERSTON

CIVIC PLAZA
1 CHUNG WAH TERRACE
PALMERSTON NT 0831
EMAIL palmerston@palmerston.nt.gov.au
TELEPHONE 08 8935 9922

LEAD CONSULTANT
CLOUSTON associates

LEVEL 5
21 KNUCKEY STREET
DARWIN NT 0800
damin@clouston.com.au
TELEPHONE (08) 8941 2450



PROJECT LANDSCAPE WORKS DRAWING SET
TEMPLE TERRACE LANDSCAPE UPGRADE - STAGE 1

DRAWING TITLE
GENERAL ARRANGEMENT PLAN - SHEET 1 OF 2

CLIENT
CITY OF PALMERSTON

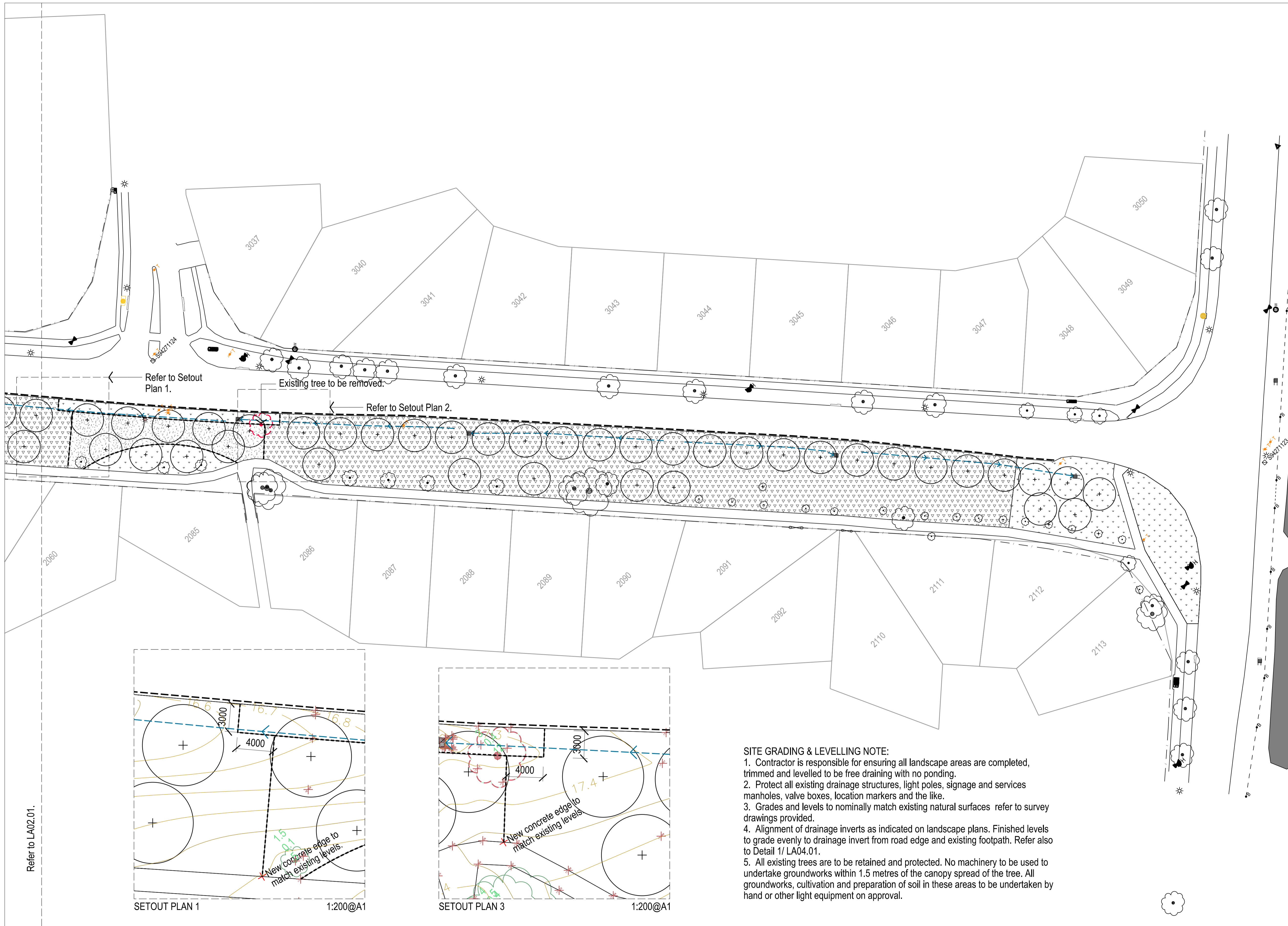
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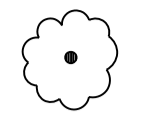


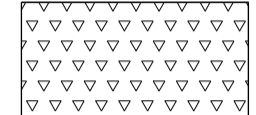

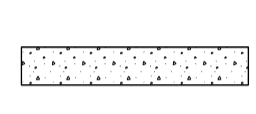

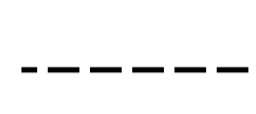

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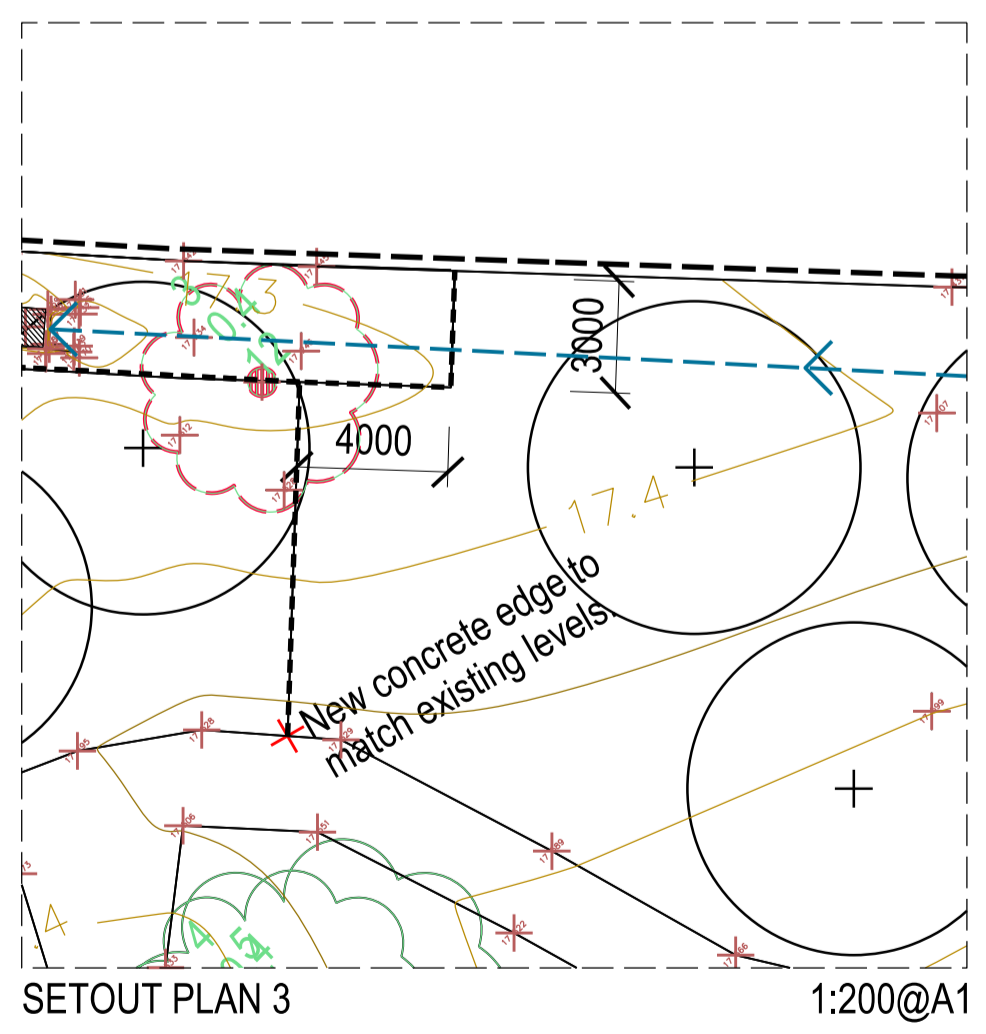
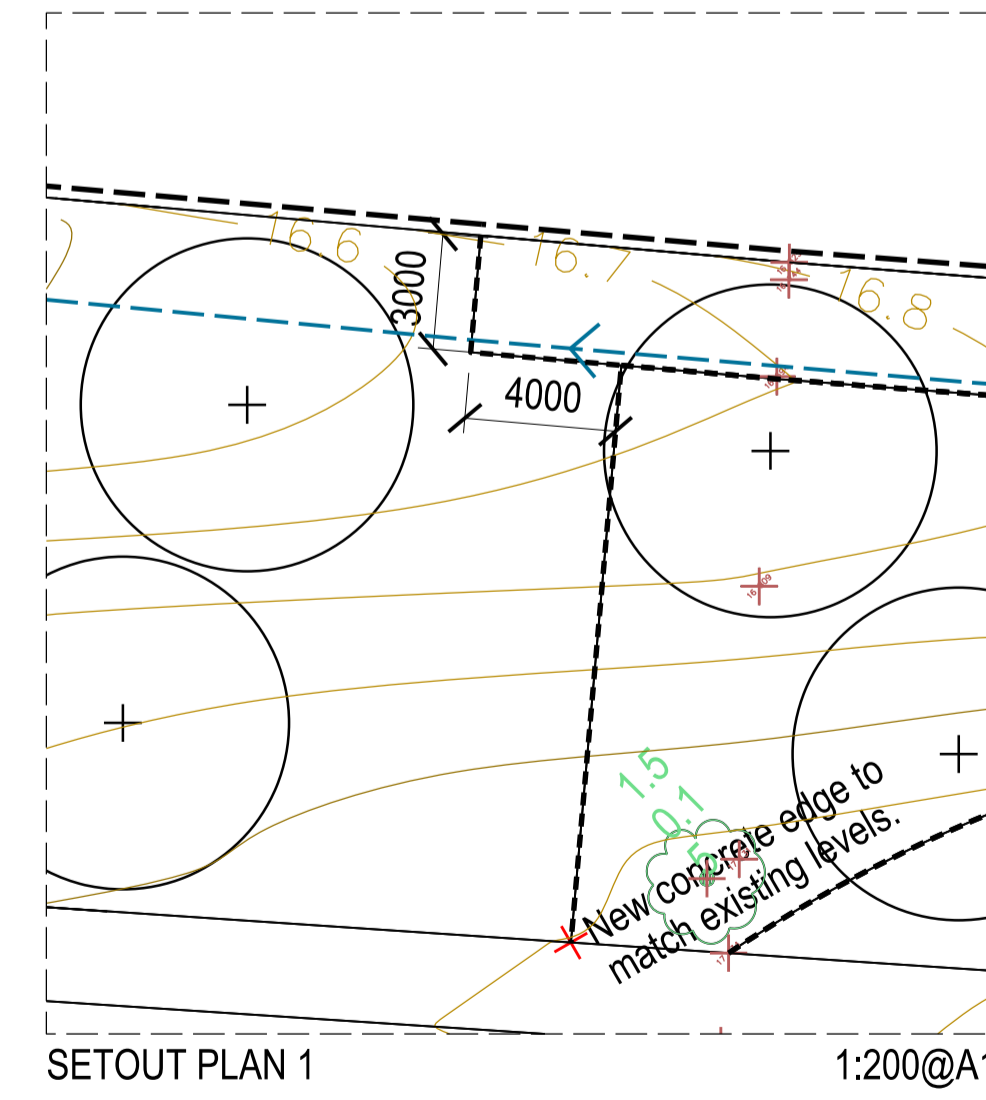




LEGEND

-  EXISTING TREE TO BE RETAINED & PROTECTED
-  TREE
Refer to LA03.01 and LA03.02 and Detail LA04.01/03.
-  IRRIGATED GRASS
Refer to Detail LA04.01/01.
-  DRYLAND GRASS
Refer to Detail LA04.01/01.
-  GARDEN BED
Refer to Detail LA04.01/02.
-  CONCRETE PAVEMENT
(2.5m width typical)
Refer to Detail LA04.01/06.
-  CONCRETE EDGE
Refer to Detail LA04.01/04.
-  PINNED KERB
(300mm inside edge of bitumen)
Refer to Detail LA04.01/05
-  DRAINAGE SWALE INVERT & FLOW DIRECTION

NOTE:
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SITE GRADING & LEVELLING NOTE:

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CLIENT
CITY OF PALMERSTON

CIVIC PLAZA
1 CHUNG WAH TERRACE
PALMERSTON NT 0831
EMAIL: palmerston@palmerston.nt.gov.au
TELEPHONE: 08 8935 9922

LEAD CONSULTANT
CLOUSTON associates

LEVEL 5
21 KNUCKEY STREET
DARWIN NT 0800
dara@clouston.com.au
TELEPHONE (08) 8941 2450

CLOUSTON associates

PROJECT: LANDSCAPE WORKS DRAWING SET
TEMPLE TERRACE LANDSCAPE UPGRADE - STAGE 1

DRAWING TITLE:
GENERAL ARRANGEMENT PLAN - SHEET 2 OF 2

CLIENT:
CITY OF PALMERSTON

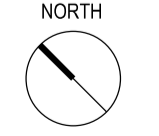
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D19-0038 LA02.02

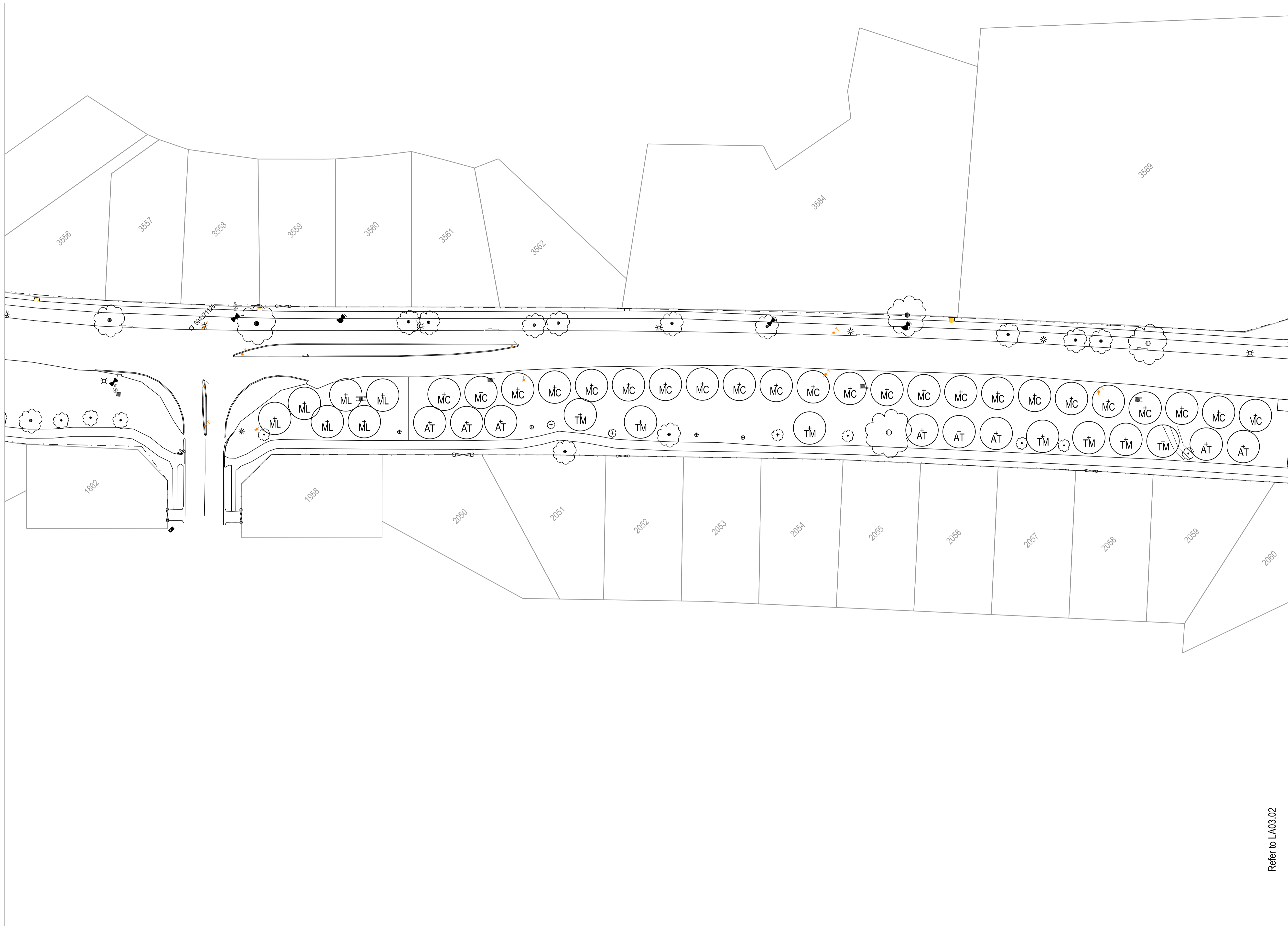
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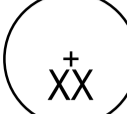
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0 5 10 15 20 25 50m





LEGEND

-  EXISTING TREE TO BE RETAINED & PROTECTED
-  TREE
Refer to LA03.02 Tree Planting Schedule and Detail LA04.01/03.

Refer to LA03.02

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CITY OF PALMERSTON
 CIVIC PLAZA
 1 CHUNG WAH TERRACE
 PALMERSTON NT 0831
 EMAIL palmerston@palmerston.nt.gov.au
 TELEPHONE 08 8935 9922

LEAD CONSULTANT
CLOUSTON associates
 LEVEL 5
 21 KNUCKEY STREET
 DARWIN NT 0800
 EMAIL darwin@clouston.com.au
 TELEPHONE (08) 8941 2450



PROJECT LANDSCAPE WORKS DRAWING SET
TEMPLE TERRACE LANDSCAPE UPGRADE - STAGE 1
 DRAWING TITLE
PLANTING PLAN - SHEET 1 OF 2

CLIENT
CITY OF PALMERSTON
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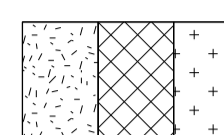
TREES PLANTING SCHEDULE

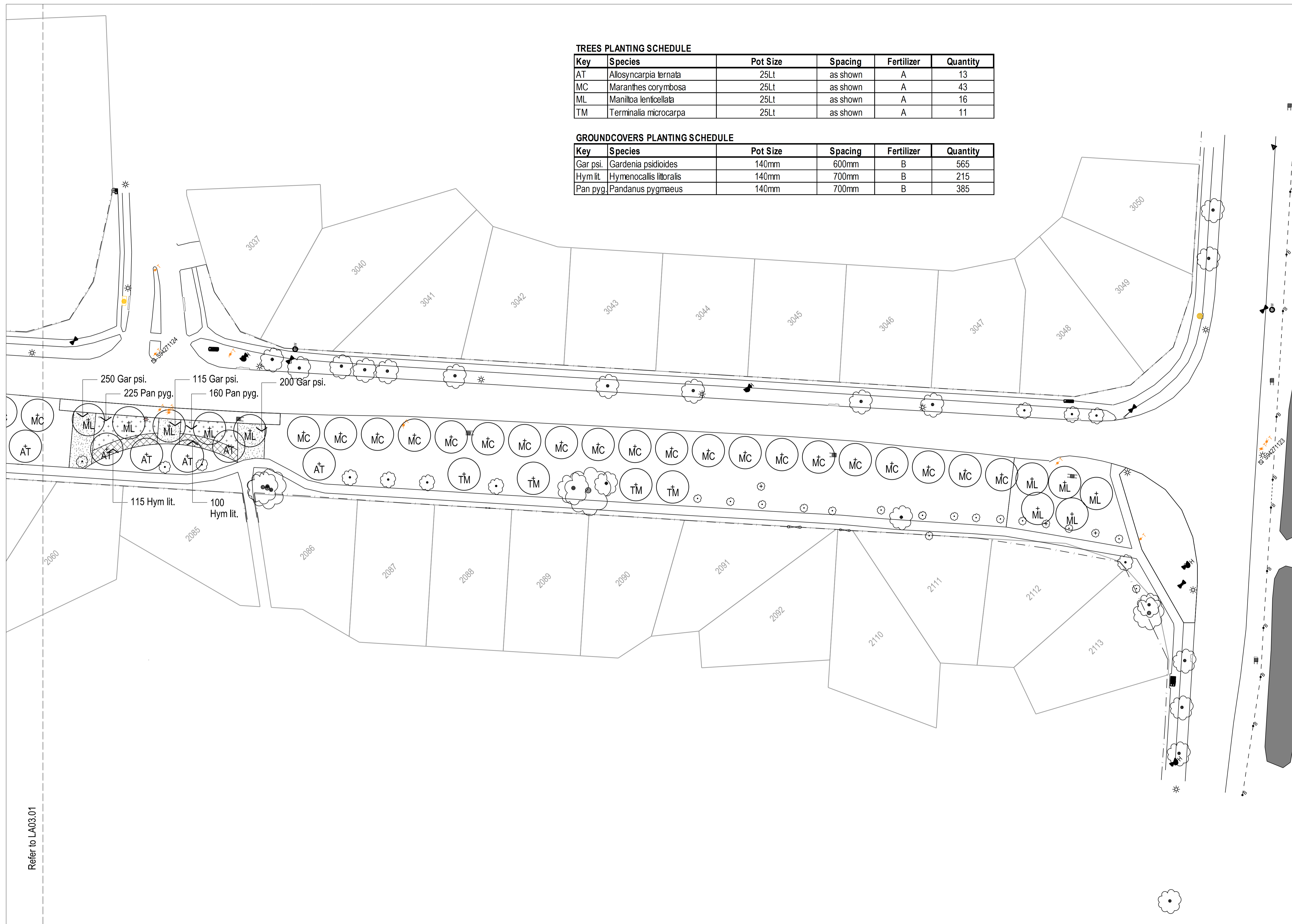
Key	Species	Pot Size	Spacing	Fertilizer	Quantity
AT	Allosyncarpia ternata	25Lt	as shown	A	13
MC	Maranthes corymbosa	25Lt	as shown	A	43
ML	Maniltoa lenticellata	25Lt	as shown	A	16
TM	Terminalia microcarpa	25Lt	as shown	A	11

GROUNDCOVERS PLANTING SCHEDULE

Key	Species	Pot Size	Spacing	Fertilizer	Quantity
Gar psi.	Gardenia psidioides	140mm	600mm	B	565
Hym lit.	Hymenocallis littoralis	140mm	700mm	B	215
Pan pyg.	Pandanus pygmaeus	140mm	700mm	B	385

LEGEND

-  EXISTING TREE TO BE RETAINED & PROTECTED
-  TREE
Refer to Tree Planting Schedule and Detail LA04.01/03.
-  GROUNDCOVER PLANTING
Refer to Groundcover Planting Schedule and Detail LA04.01/02.



Refer to LA03.01

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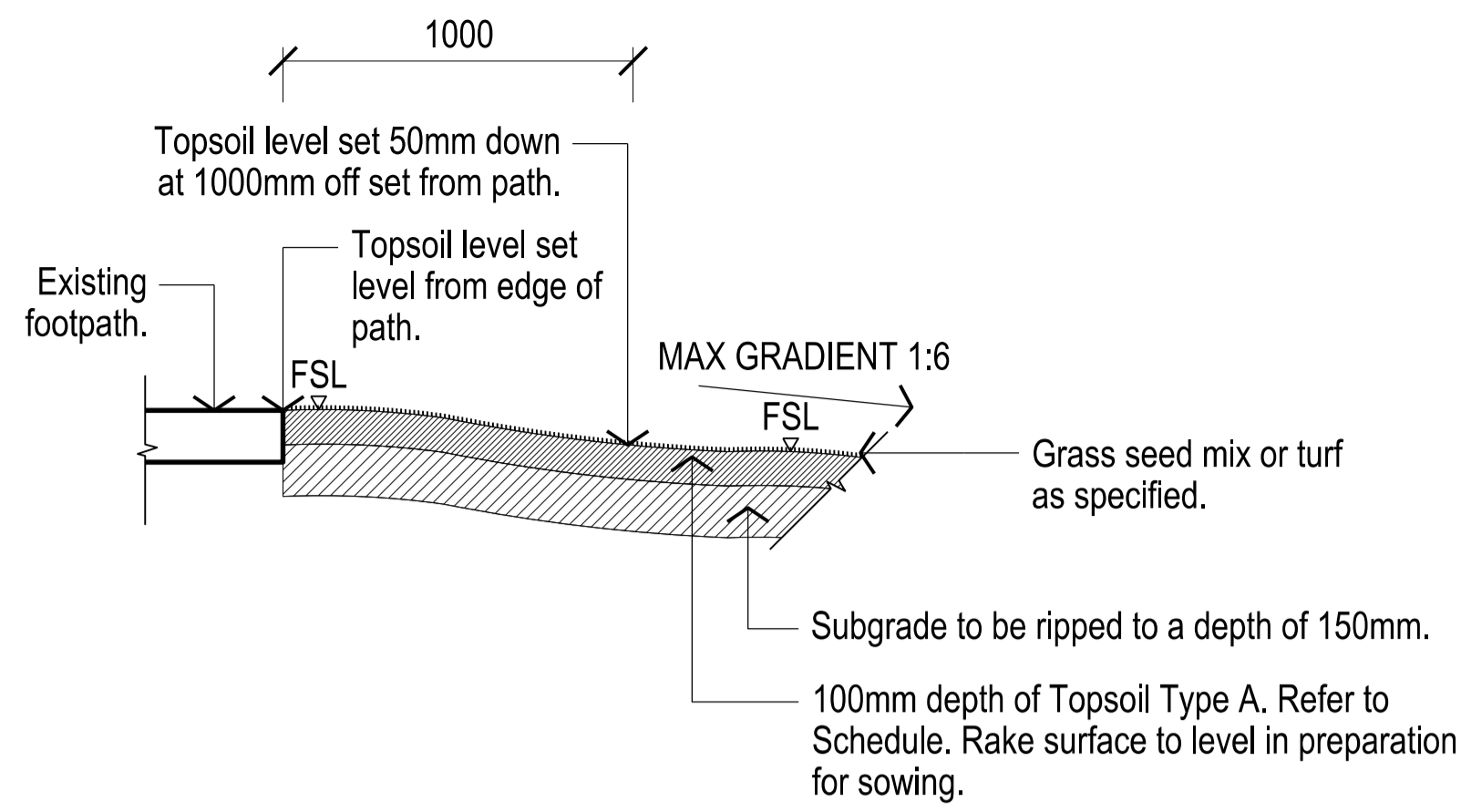
CLOUSTON associates
 LEAD CONSULTANT
 LEVEL 5
 21 KNUCKEY STREET
 DARWIN NT 0800
 EMAIL darwin@clouston.com.au
 TELEPHONE (08) 8941 2450



PROJECT LANDSCAPE WORKS DRAWING SET
TEMPLE TERRACE LANDSCAPE UPGRADE - STAGE 1
 DRAWING TITLE
PLANTING PLAN - SHEET 2 OF 2

CLIENT
CITY OF PALMERSTON
 DRAWING NUMBER
D19-0038 LA03.02
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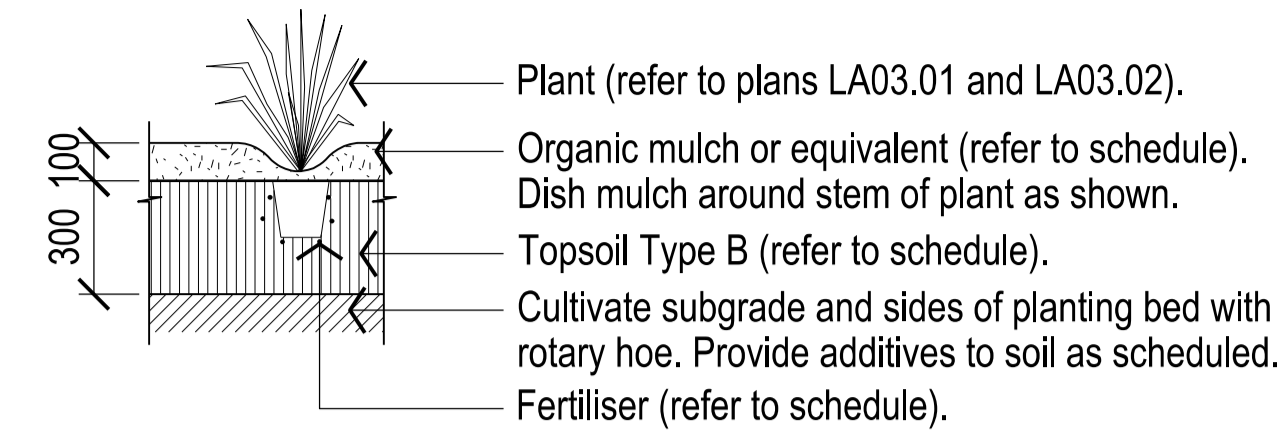




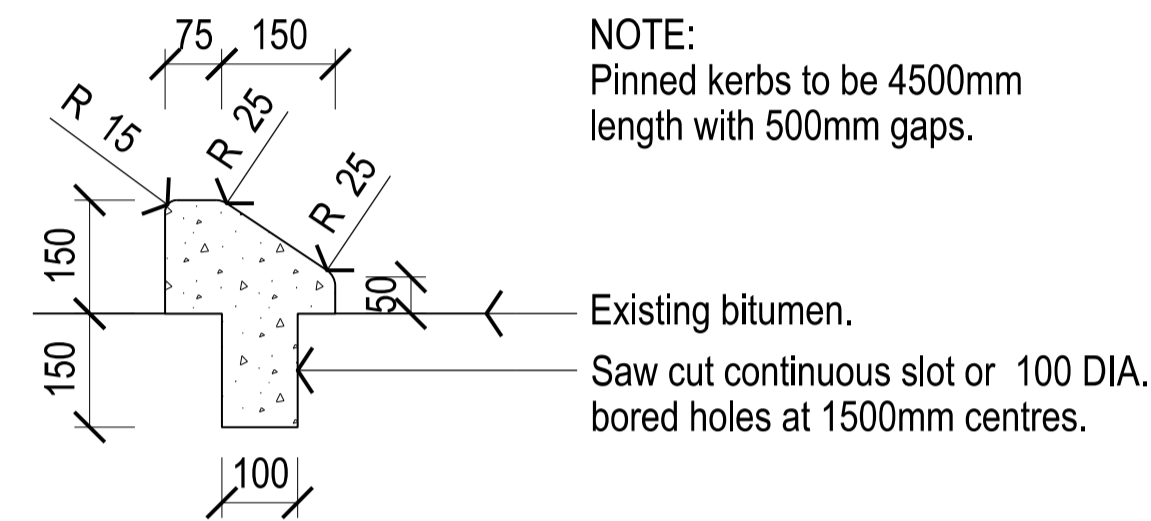
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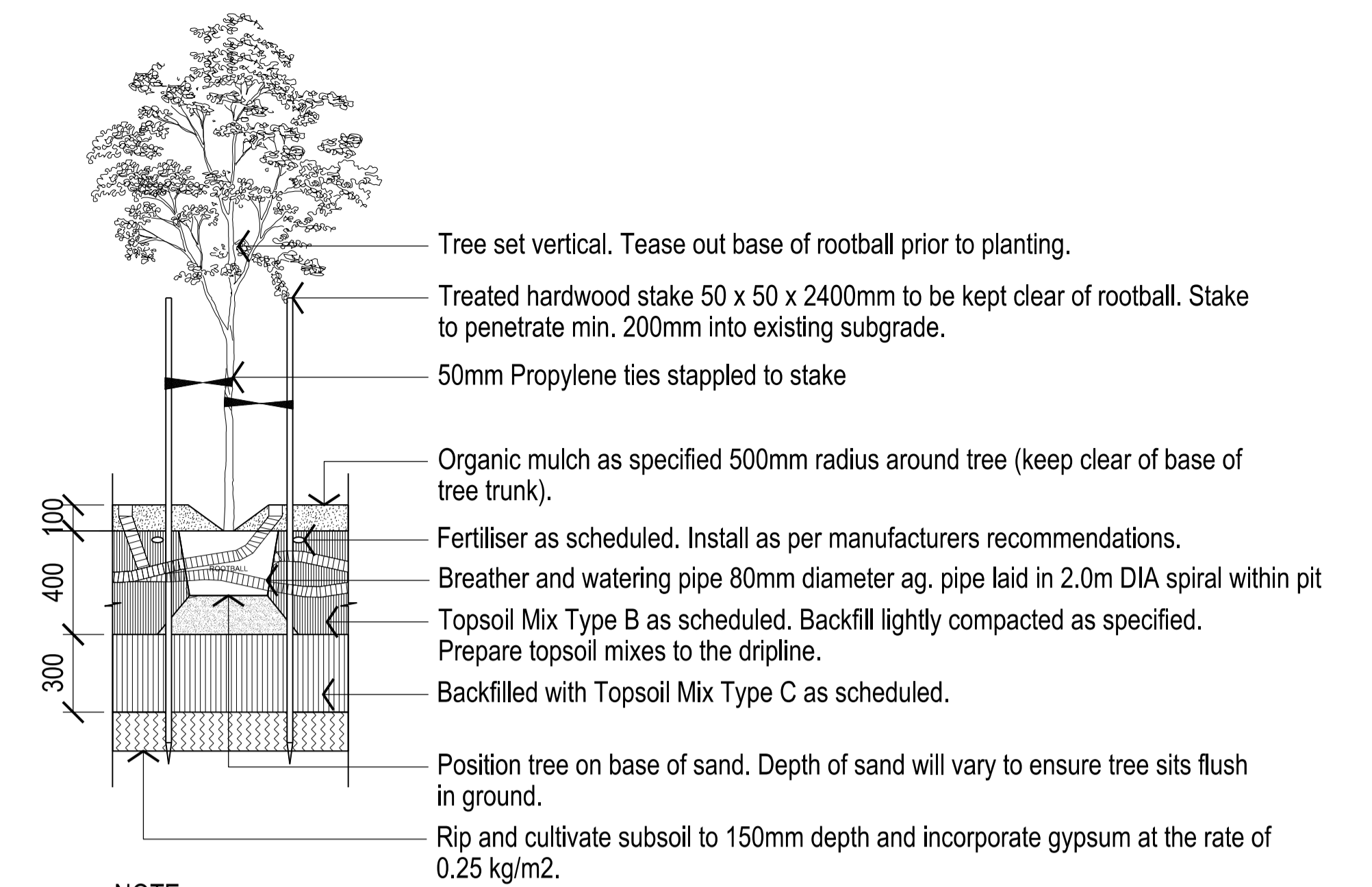
01 GRASS
1:20@A1



02 PLANTING
1:20@A1



05 PINNED KERB
1:10@A1



NOTE:

- Tree pits excavated to 5.0m x 3.0m in plan, parallel to road edge.
- Irrigation bubblers installed above each end of breather/watering pipe - 200mm and 500mm offset to tree.

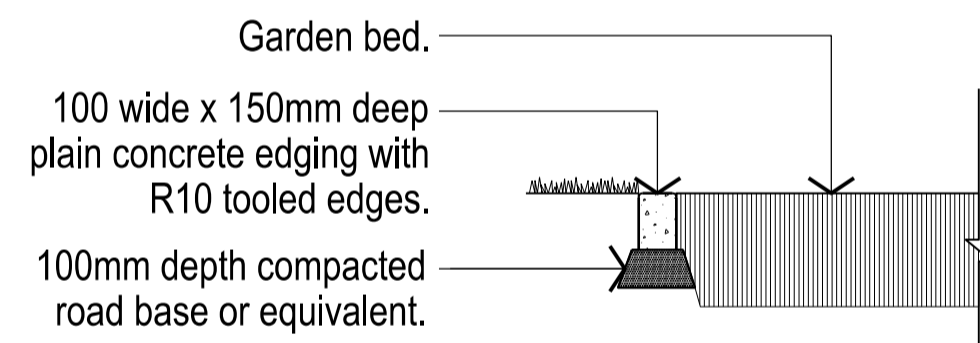
03 TREE
1:20@A1

FERTILIZER SCHEDULE

Type	Fertilizers
A	8 x 50 gm Green Gorilla Slow Release Fertiliser Planting Tablets with Typhoon Technology 8 'Handfuls' of Green Gorilla Tropical & Hot Climate Soil Conditioner 300gms MicroLive GP Landscape Fertiliser
B	1 x 50 gm Green Gorilla Slow Release Fertiliser Planting Tablets with Typhoon Technology 2 'Handfuls' of Green Gorilla Tropical & Hot Climate Soil Conditioner 40gms MicroLive GP Landscape Fertiliser

TOPSOIL SCHEDULE

Type	Soil Mix	Additives	Location
Topsoil Mix A	80:20 Approved site topsoil : Fully composted green waste organics	Amelioration to comprise addition of Lime 120gms/m2, Shirleys No. 17 plant food 75gms/m2. Evenly spread over placed topsoil and thoroughly mixed through top 150mm.	Grassing
Topsoil Mix B	80:20:* Approved site topsoil : Fully composted green waste organics: Lime 900gms/ m3	Amelioration to comprise Nitrophoska Blue at 50gms/m2. Evenly spread after placing topsoil and thoroughly mix through top 100mm	Garden beds and top layer in tree pits
Topsoil Mix C	90:10:* Approved site topsoil : Fully composted green waste organics: Lime 900gms/ m3	Amelioration to comprise Nitrophoska Blue at 50gms/m2. Evenly spread after placing topsoil and thoroughly mix through top 100mm	Bottom layer in tree pits



NOTES:

- Concrete edge to neatly and evenly follow ground contours and edging is not to impede overland flows.
- Edge to finish flush with grass surface.

04 CONCRETE EDGE
1:20@A1

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CLIENT
CITY OF PALMERSTON

CIVIC PLAZA
1 CHUNG WAH TERRACE
PALMERSTON NT 0831
EMAIL palmerston@palmerston.nt.gov.au
TELEPHONE 08 8935 9922

LEAD CONSULTANT
CLOUSTON associates

LEVEL 5
21 KNUCKEY STREET
DARWIN NT 0800
daming@clouston.com.au
TELEPHONE (08) 8941 2450



PROJECT LANDSCAPE WORKS DRAWING SET TEMPLE TERRACE LANDSCAPE UPGRADE - STAGE 1	CLIENT CITY OF PALMERSTON	SCALE AS SHOWN
DRAWING TITLE DETAILS	DRAWING NUMBER D19-0038 LA04.01	DRAWN HS
	REVISION C	

TREES FOR WESTERN VERGE

Key	Species	Species	Pot Size	Mature Height	Mature Spread
AT	<i>Allosyncarpia ternata</i>	An-binik	25Lt	10-15m	10m
ML	<i>Maniltoa lenticellata</i>	Silk Handkerchief Tree	25Lt	10-12m	8m
TM	<i>Terminalia microcarpa</i>	Terminalia	25Lt	15-25m	10m



Allosyncarpia ternata



Maniltoa lenticellata



Terminalia microcarpa

TREES FOR EASTERN VERGE

Key	Species	Species	Pot Size	Mature Height	Mature Spread
BA	<i>Buchania arborescens</i>	Green Plum	25Lt	10-15m	7m
CP	<i>Corymbia ptychocarpa</i>	Swamp Bloodwood	25Lt	10-12m	8m
LG	<i>Lophostemon grandiflorus</i>	Northern Swamp Box	25Lt	10-15m	10m



Buchania arborescens



Corymbia ptychocarpa



Lophostemon grandiflorus

GROUNDCOVERS FOR GARDEN BEDS

Key	Species	Species	Pot Size	Mature Height	Mature Spread
Hym lit	<i>Hymenocallis littoralis</i>	Spider Lily	140mm	800mm	800mm
Gar psi	<i>Gardenia psidioides</i>	Gardenia	140mm	600mm	700mm
Pan pyg	<i>Pandanus pygmaeus</i>	Groundcover Pandanus	140mm	600mm	800mm



Hymenocallis littoralis



Gardenia psidioides



Pandanus Pygmaeus

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CITY OF PALMERSTON

CIVIC PLAZA
1 CHUNG WAH TERRACE
PALMERSTON NT 0831
EMAIL palmerston@palmerston.nt.gov.au
TELEPHONE 08 8935 9922

LEAD CONSULTANT
CLOUSTON associates

LEVEL 5
21 KNUCKEY STREET
DARWIN NT 0800
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PROJECT LANDSCAPE WORKS DRAWING SET
TEMPLE TERRACE LANDSCAPE UPGRADE

DRAWING TITLE
SCHEDULES & IMAGES

CLIENT CITY OF PALMERSTON	SCALE AS SHOWN
DRAWING NUMBER D19-0038 SK07	DRAWN HS
REVISION B	



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CITY OF PALMERSTON
 CIVIC PLAZA
 1 CHUNG WAH TERRACE
 PALMERSTON NT 0831
 EMAIL palmerston@palmerston.nt.gov.au
 TELEPHONE 08 8935 9922

LEAD CONSULTANT
CLOUSTON associates
 LEVEL 5
 21 KNUCKEY STREET
 DARWIN NT 0800
 EMAIL darwin@clouston.com.au
 TELEPHONE (08) 8941 2450



PROJECT LANDSCAPE WORKS DRAWING SET
TEMPLE TERRACE LANDSCAPE UPGRADE
 DRAWING TITLE
LANDSCAPE PERSPECTIVE 2

CLIENT CITY OF PALMERSTON	SCALE AS SHOWN
DRAWING NUMBER D19-0038 SK09	DRAWN HS
REVISION B	