

## Appendix E – Rehabilitation landscaping plans



LEGEND

- LHRRP PROPOSAL (2015) BOUNDARY
- ANSTO BUFFER BOUNDARY
- BOUNDARY TO EARLY WORKS
- BOUNDARY TO EASTERN ADDITIONAL REHABILITATION AREA
- BOUNDARY TO ARRT FACILITIES INSIDE SICTA LEASED AREA. REHABILITATION WORKS IN THIS AREA ONLY REQUIRED IF FACILITY IS BUILT.
- 1800h GALVANISED CHAINLINK FENCE
- EXISTING TREES RETAINED
- WOODLAND PLANTING (TREES AND GRASSES) OVER LOCALISED MOUNDS SEE INDICATIVE SPECIES LIST ON DRAWING LD02
- BASE OF PROPOSED SOIL MOUND OVER FILL SHOWN DASHED
- WOODLAND PLANTING (FULL STRATA) ON EXISTING GROUND SEE INDICATIVE SPECIES LIST ON DRAWING LD02
- 'EARLY WORKS' WOODLAND PLANTING (FULL STRATA) ON EXISTING GROUND SEE INDICATIVE SPECIES LIST ON DRAWING LA07-A
- PROPOSED SPECIMEN TREES IN EXISTING GROUND
- HYDROSEEDDED NATIVE GRASS
- PROPOSED LAWN - HIGH USE AREAS
- SHARED PEDESTRIAN / CYCLE PATHWAY 2.5m WIDE
- PROPOSED ROAD 6m WIDE
- WATER COURSE
- PROPOSED GAS COLLECTOR
- EXISTING GAS COLLECTOR
- AREA OF TRANSITIONAL FOREST PROTECTED. NO WORKS.



DRAWING REGISTER

LA01	MASTERPLAN	1:5000
LA02	DETAILED MASTERPLAN NORTH	1:2000
LA03	DETAILED MASTERPLAN SOUTH	1:2000
LA04	LANDSCAPE SITE SECTIONS	1:2000
LA05	GRADING PLAN NORTH	1:2000
LA06	GRADING PLAN SOUTH	1:2000
LA07	STAGING STRATEGY	1:500
LA07-A	STAGING PLAN - EARLY WORKS	1:5000
LA08	DUCK POND PRECINCT	1:500
LA09	SOUTH ENTRY PRECINCT	1:500
LA10	WEST ENTRY / MILL POND PRECINCT	1:500
LA11	POND SECTIONS HASSELL 1998	AS SHOWN
LA12	POND DETAILS HASSELL 1998	AS SHOWN
LD01	LANDSCAPE DETAILS 1	AS SHOWN
LD02	LANDSCAPE DETAILS 2	AS SHOWN

LANDSCAPE AREA CALCULATIONS (m2)

DESCRIPTION	1998 PLAN	% OF SITE	2014 PLAN	% OF SITE	EASTERN ADDITIONAL REHAB. AREA	TOTAL (2014 PLAN + EASTERN ADDITIONAL REHAB AREA)
LAWN*	677,547 m2	55%	706,276 m2	57%	204,179 m2	910,455
WOODLAND PLANTING (Trees and Grasses)	390,237 m2	32%	339,761 m2	27%	46,918 m2	386,679
WOODLAND WITH UNDERSTORY	134,659 m2	11%	154,682 m2	13%	0 m2	154,682
WATER BODIES	34,554 m2	3%	36,258 m2	3%	0 m2	36,258
TOTAL AREA	1,236,997 m2	100%	1,236,997 m2	100%	251,097 m2	1,488,094

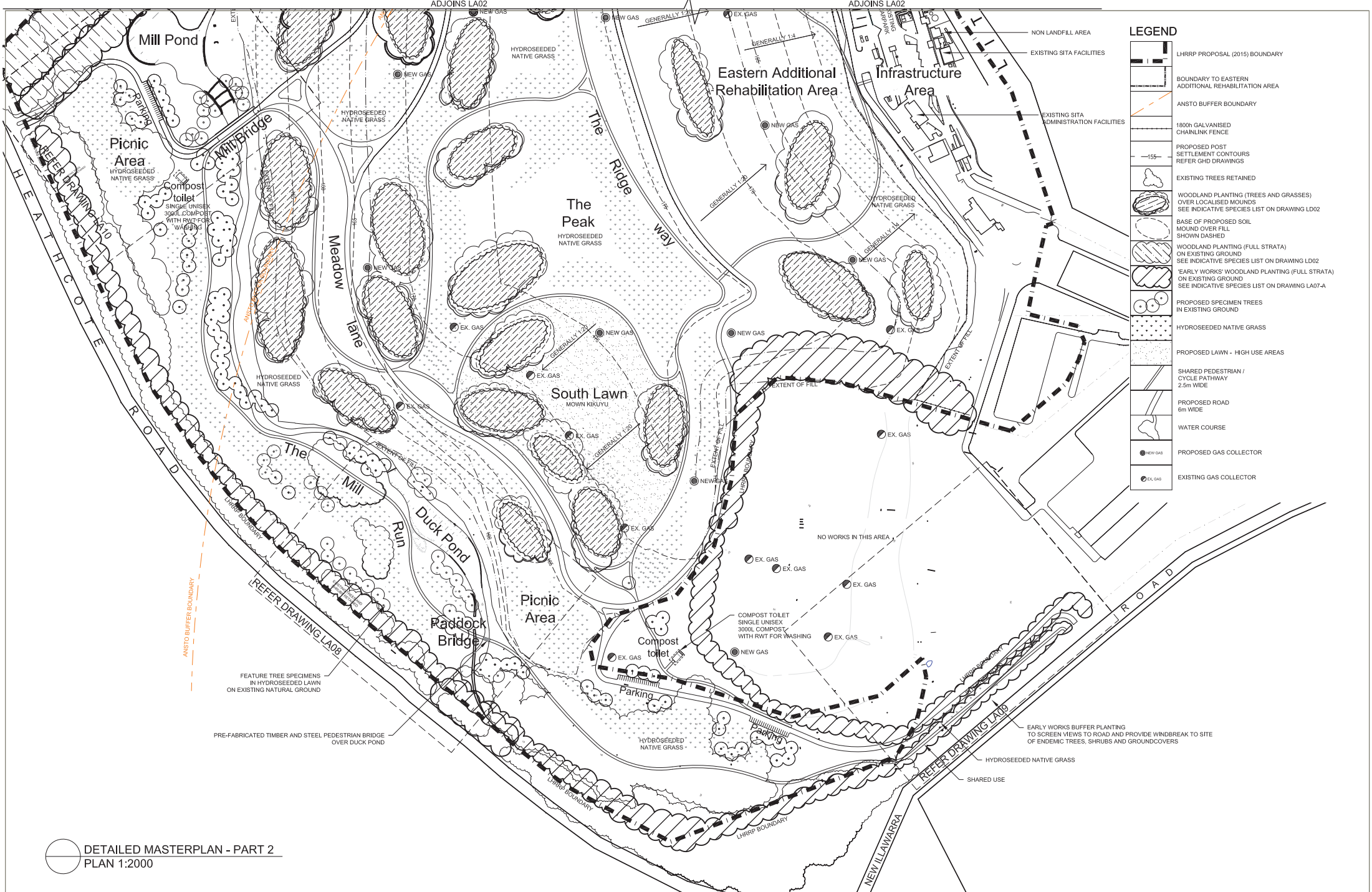
\*Including 86,961m2 of kikuyu lawn

TOTAL PARK AREA 1488094 m2

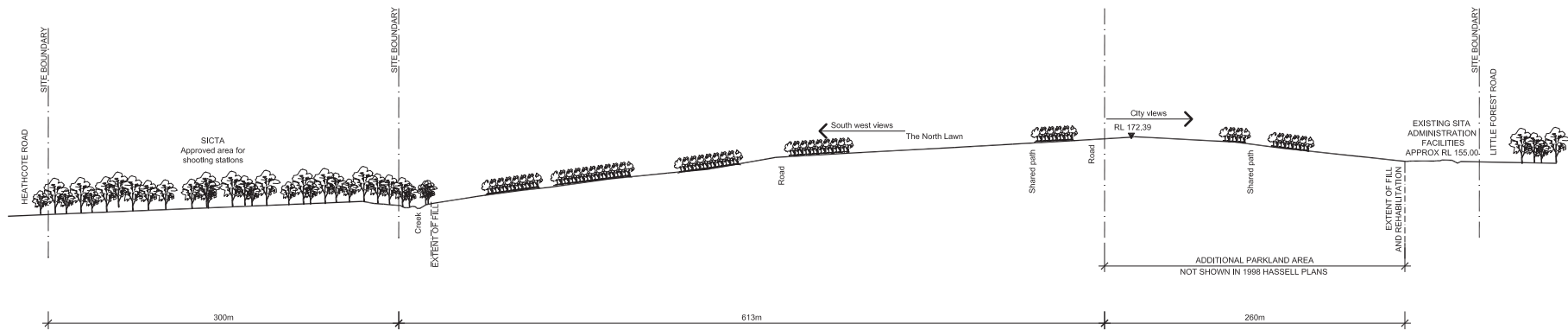
1 MASTERPLAN  
LA01 PLAN 1:5000



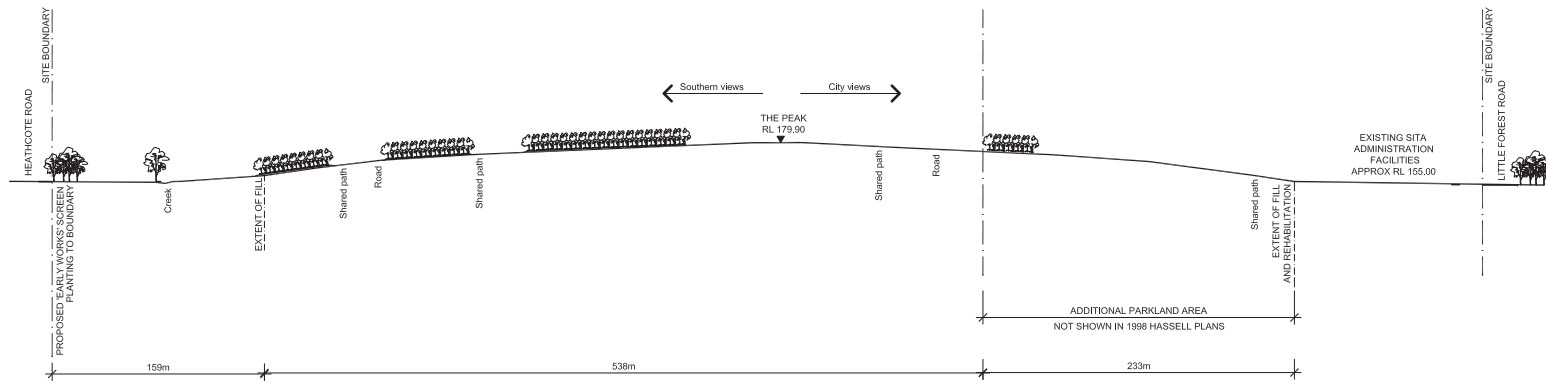




DETAILED MASTERPLAN - PART 2  
PLAN 1:2000



**SITE SECTION A**  
SCALE 1:2000

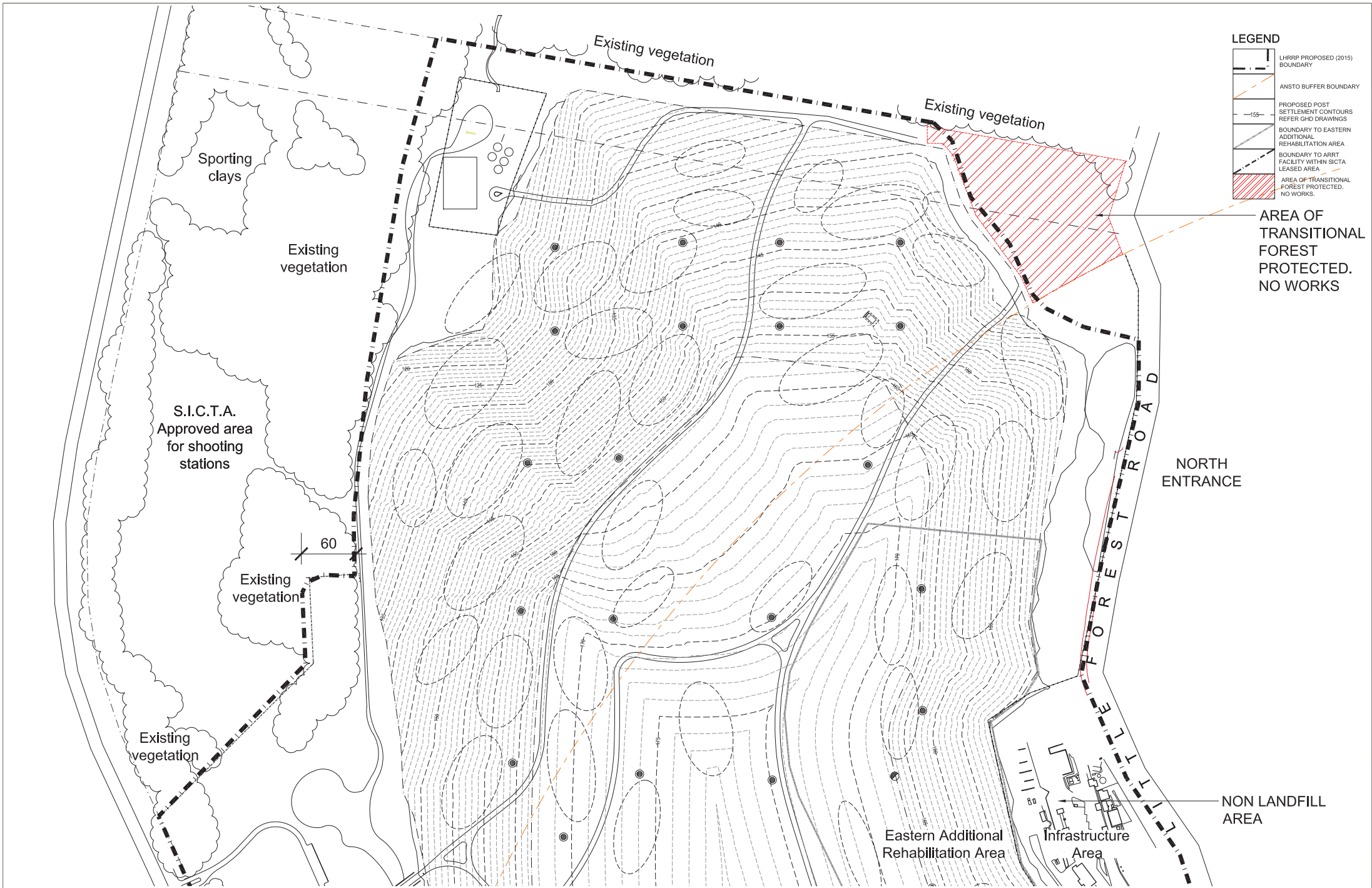


**SITE SECTION B**  
SCALE 1:2000

U	For Council Submission	30.06.2016
L	COUNCIL SUBMISSION	18.06.2016
K	COUNCIL SUBMISSION	28.08.2015
J	COUNCIL SUBMISSION	24.05.2015
I	COUNCIL SUBMISSION	14.05.2015
H	For Council Review	19.05.2014
G	INTERNAL REVIEW	17.05.14
F	SITA FACILITY RL	22.08.2014
E	EASTERN AREA PLANTING PATH LEGEND	10.07.2014
D	ADDITIONAL PLANTING OF MIDWINTER PLANTING TO EASTERN ADDITIONAL AREA AND EARLY WINTER SPECIMENS	10.07.2014
C	LANDFORM	12.05.2014
B	Earl Gentry survey	11.03.2014
A	Earl Gentry	03.03.2014
1	ISSUE: DESIGN PLAN	10.01.14

PROJECT:  
LHRRP  
DRAWING TITLE:  
LANDSCAPE SITE SECTIONS  
CLIENT:  
SITA

0	20	40	80	100m
SCALE:	1:2000 (SIT)	CHECKED:	AM	DRAWING NO:
CREATED:	18.06.2016	JOB NO:	14000	REVISION:
DRAWING:	TD	DESIGNED:	TD	LA04
				M



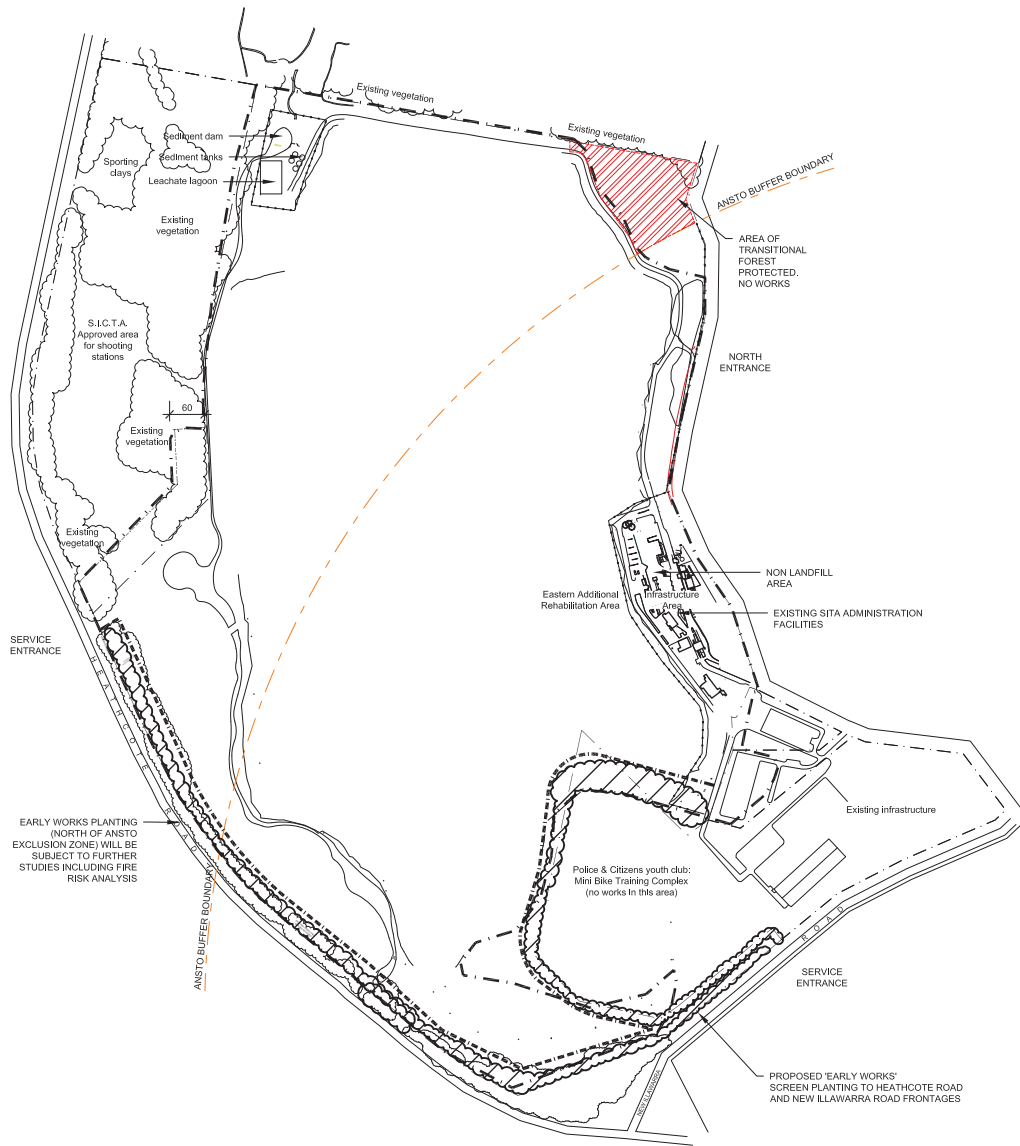
**LEGEND**

- LHRP PROPOSED (2015) BOUNDARY
- ANSTO BUFFER BOUNDARY
- PROPOSED POST SETTLEMENT CONTOURS REFER GHD DRAWINGS
- BOUNDARY TO EASTERN ADDITIONAL REHABILITATION AREA
- BOUNDARY TO ARRT FACILITY WITHIN SICTA LEASED AREA
- AREA OF TRANSITIONAL FOREST PROTECTED. NO WORKS.





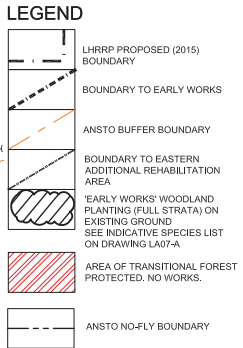


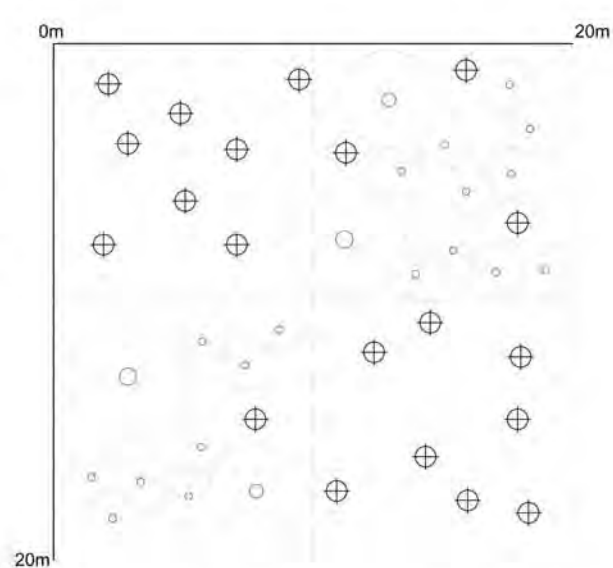


**1** STAGING PLAN - EARLY WORKS  
LA07 PLAN 1:5000



**2** STAGING PLAN - ALL WORKS  
LA07 PLAN 1:5000



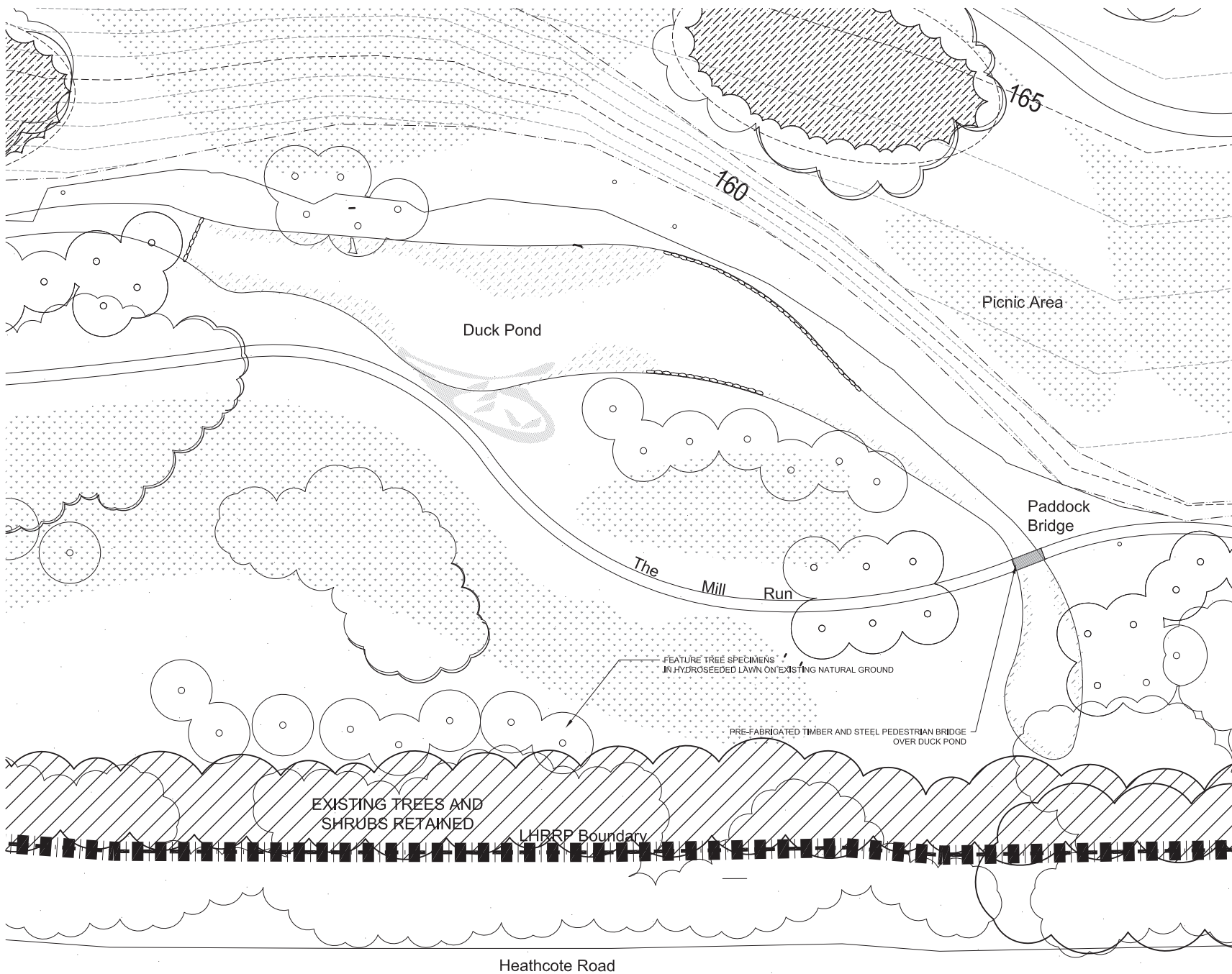


2 BUFFER PLANTING MATRIX  
L07-A DETAIL PLAN 1:100

**PLANT SCHEDULE - BUFFER PLANTING MATRIX**  
PLANTING ON NATURAL GROUND

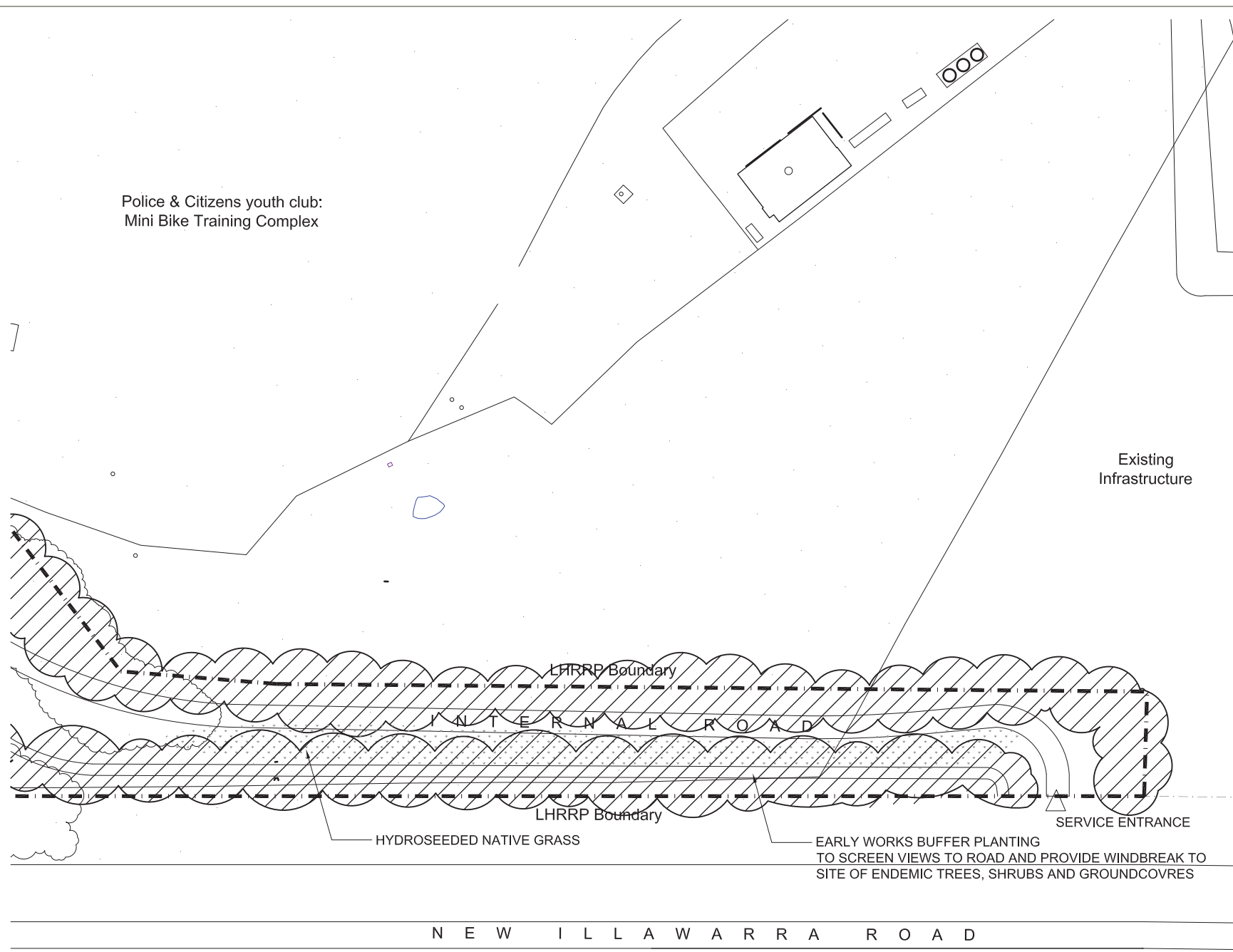
**NOTE:**  
\* Plant quantities on planting plan take precedence over quantities identified in this schedule.

[illegible]



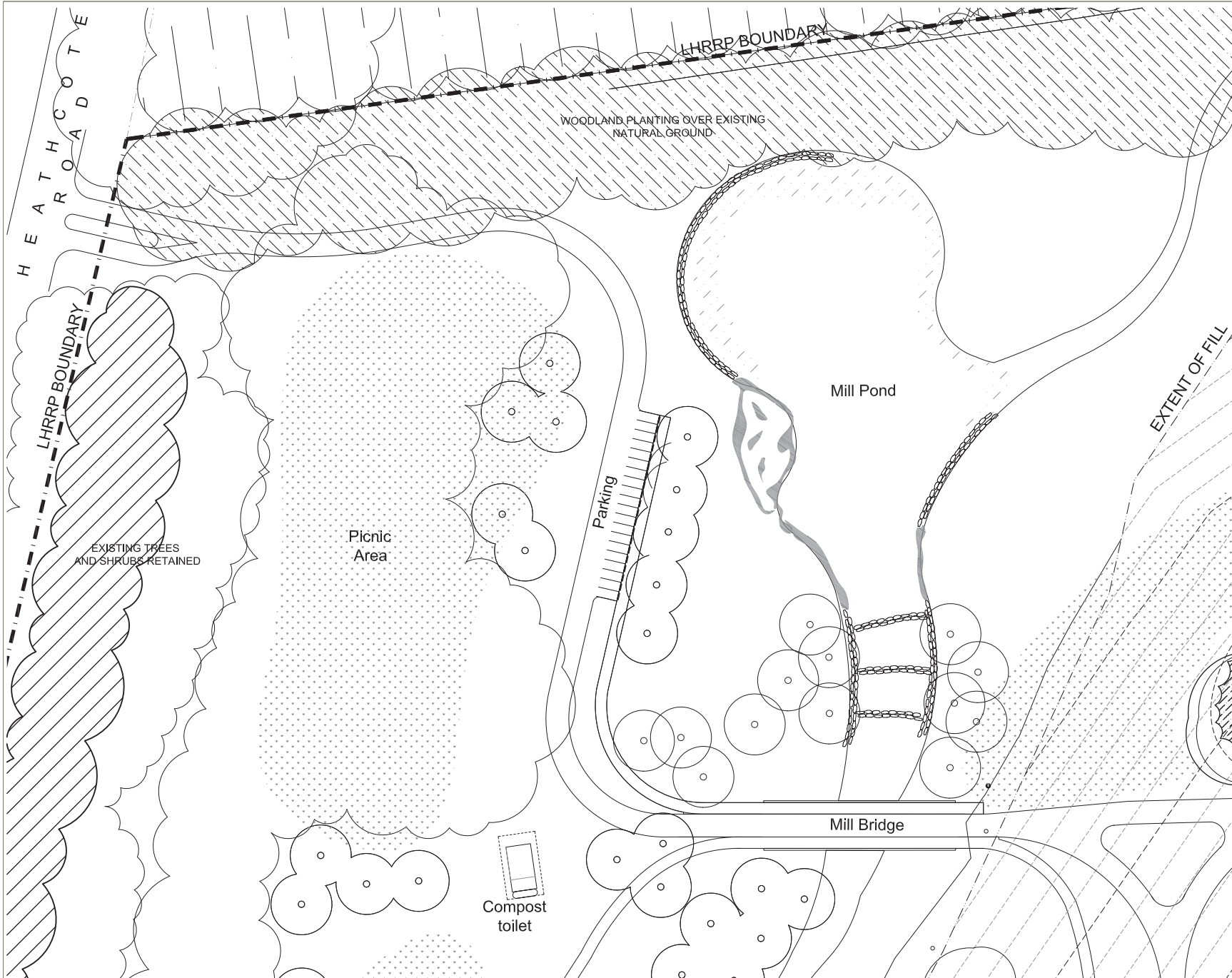
# LEGEND

	LHRRP PROPOSED (2015) BOUNDARY
	PROPOSED POST SETTLEMENT CONTOURS REFER GHD DRAWINGS
	EXISTING TREES RETAINED
	WOODLAND PLANTING (TREES AND GRASSES) OVER LOCALISED MOUNDS SEE INDICATIVE SPECIES LIST ON DRAWING LD02
	BASE OF PROPOSED SOIL MOUND OVER FILL SHOWN DASHED
	WOODLAND PLANTING (FULL STRATA) ON EXISTING GROUND SEE INDICATIVE SPECIES LIST ON DRAWING LD02
	'EARLY WORKS' WOODLAND PLANTING (FULL STRATA) ON EXISTING GROUND SEE INDICATIVE SPECIES LIST ON DRAWING LA07-A
	AQUATIC PLANTING
	PROPOSED SPECIMEN TREES IN EXISTING GROUND
	HYDROSEEDED NATIVE GRASS
	SHARED PEDESTRIAN / CYCLE PATHWAY 2.5m WIDE
	PROPOSED ROAD 8m WIDE
	WATER COURSE
	ROCK EDGE TO WATER COURSE
	PROPOSED GAS COLLECTOR
	EXISTING GAS COLLECTOR



- LEGEND**
- LHRRP PROPOSED (2015) BOUNDARY
  - EXISTING TREES RETAINED
  - WOODLAND PLANTING (FULL STRATA) ON EXISTING GROUND SEE INDICATIVE SPECIES LIST ON DRAWING LD02
  - 'EARLY WORKS' WOODLAND PLANTING (FULL STRATA) ON EXISTING GROUND SEE INDICATIVE SPECIES LIST ON DRAWING LA07-A
  - PROPOSED SPECIMEN TREES IN NATURAL GROUND
  - HYDROSEEDDED NATIVE GRASS
  - SHARED PEDESTRIAN / CYCLE PATHWAY 2.5m WIDE
  - PROPOSED ROAD 6m WIDE
  - PROPOSED GAS COLLECTOR
  - EXISTING GAS COLLECTOR





## LEGEND

	LHRRP PROPOSED (2015) BOUNDARY
	PROPOSED POST SETTLEMENT CONTOURS REFER GHD DRAWINGS
	EXISTING TREES RETAINED
	WOODLAND PLANTING (TREES AND GRASSES) OVER LOCALISED MOUNDS SEE INDICATIVE SPECIES LIST ON DRAWING LD02
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	AQUATIC PLANTING
	PROPOSED SPECIMEN TREES IN EXISTING GROUND
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	SHARED PEDESTRIAN / CYCLE PATHWAY 2.5m WIDE
	PROPOSED ROAD 6m WIDE
	WATER COURSE
	ROCK EDGE TO WATER COURSE
	PROPOSED GAS COLLECTOR
	EXISTING GAS COLLECTOR

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0	For Council Submission	30.09.2015
1	COUNCIL SUBMISSION	29.09.2015
2	COUNCIL SUBMISSION	27.09.2015
3	COUNCIL SUBMISSION	13.09.2015
4	For Council Review	15.10.2014
5	For Council Review	19.09.2014
6	For Review	03.03.2014
7	ISSUE DESCRIPTION	DATE

PROJECT:  
LHRRP

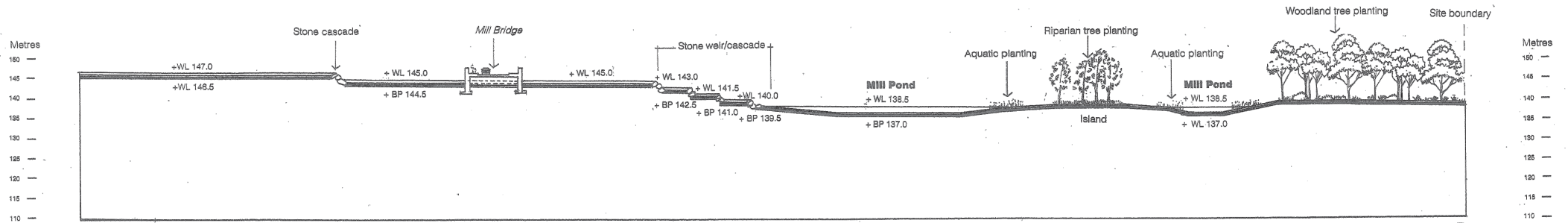
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WEST ENTRY / MILL POND PRECINCT

CLIENT:  
BTA

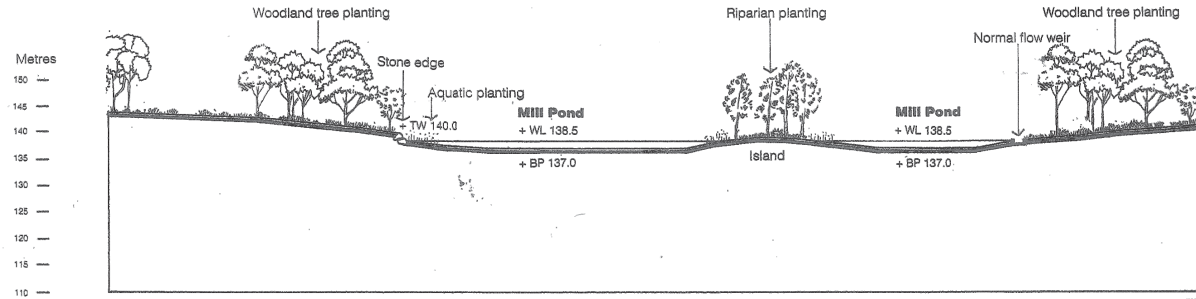


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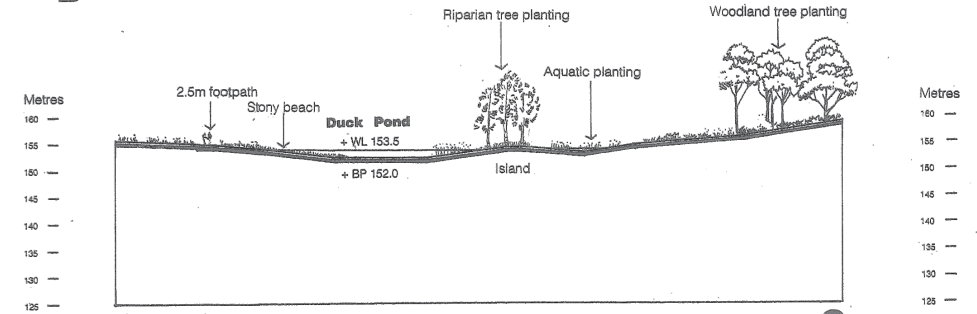
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JOB# 61 005 724 005



**A**  
**LONGITUDINAL SECTION A-A MILL POND**  
**(HASSELL MASTERPLAN 1998)**



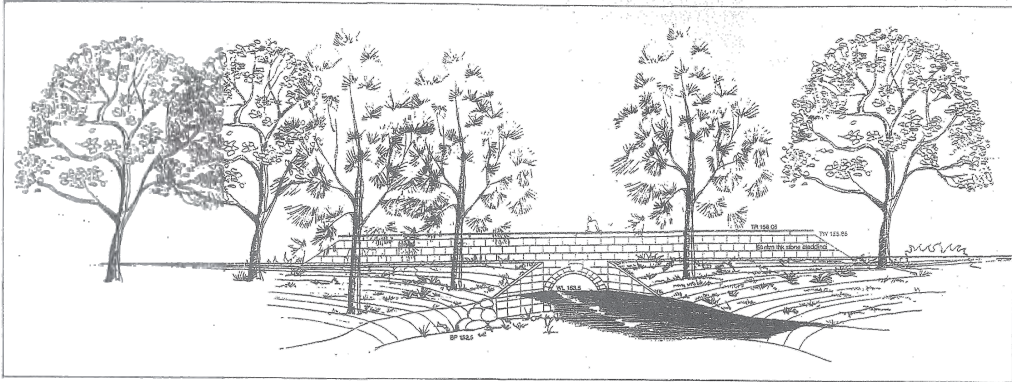
**B**  
**SECTION B-B MILL POND**  
**(HASSELL MASTERPLAN 1998)**



**C**  
**SECTION C-C DUCK POND**  
**(HASSELL MASTERPLAN 1998)**

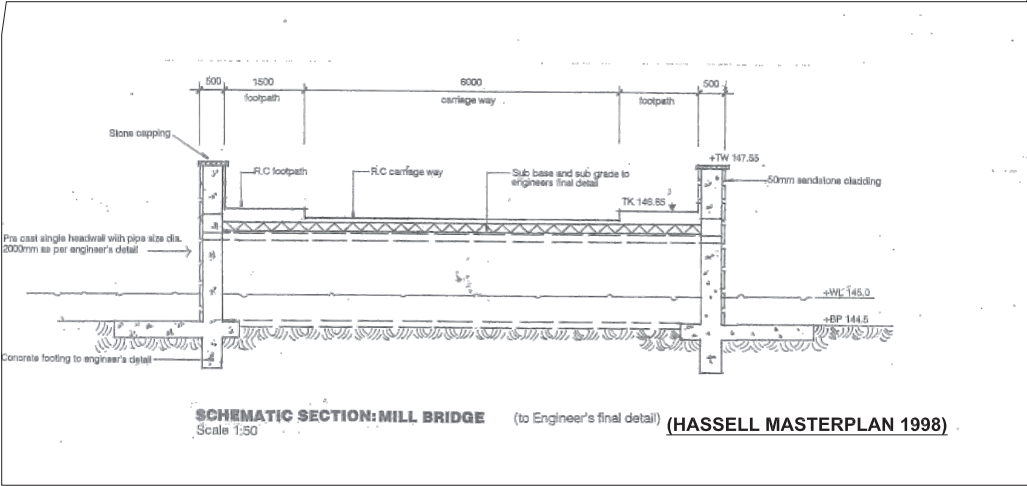
**Notes**  
 Pond details are schematic only.  
 Final depth of ponds to be  
 determined following detailed  
 water balance modelling.

**NOTE: EXCERPT FROM HASSELL MASTERPLAN 1998**

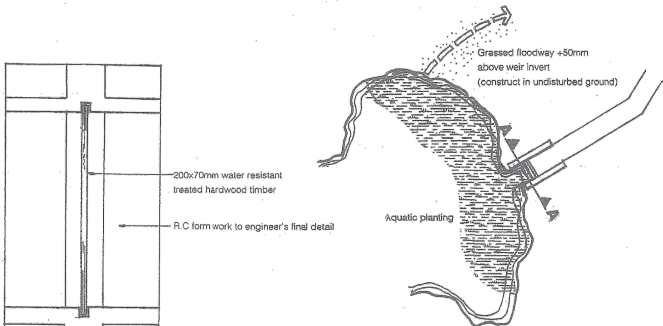


**Paddock Bridge (indicative view) (HASSELL MASTERPLAN 1998)**

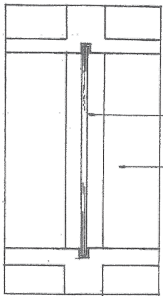
**NOTE:** Paddock bridge to be pedestrian bridge (To Engineer's final detail)



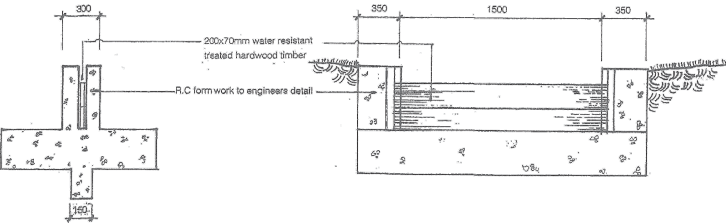
**SCHEMATIC SECTION: MILL BRIDGE** (to Engineer's final detail) **(HASSELL MASTERPLAN 1998)**  
Scale 1:50



**TYPICAL POND-WATER LEVEL CONTROL** nts  
(To engineer's final detail)



**SCHEMATIC PLAN:**  
(To engineer's final detail)



**SCHEMATIC SECTION**  
(To engineer's final detail)

**SCHEMATIC SECTION A-A**  
(To engineer's final detail)

**SCHEMATIC WEIR PLAN AND SECTIONS** Scale 1:20 **(HASSELL MASTERPLAN 1998)**

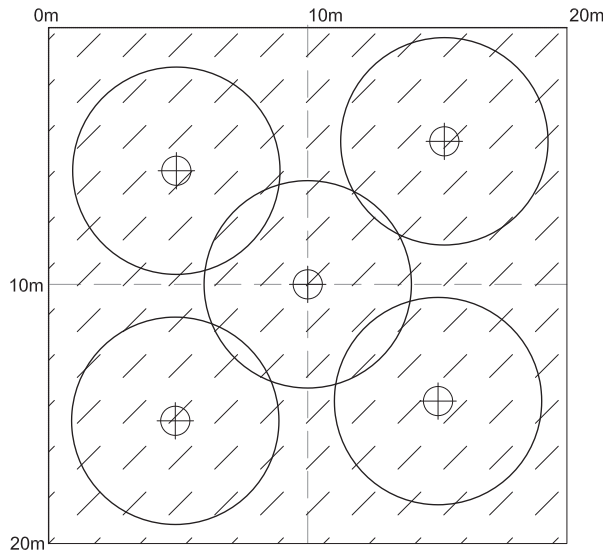
**NOTE: EXCERPT FROM HASSELL MASTERPLAN 1998**

		PROJECT: SITA MASTERPLAN					
		DRAWING TITLE: MILL & DUCK POND DETAILS - HASSELL 1998					
		CLIENT: SITA					
		DATE: 30.06.2015					
		DATE: 18.06.2015					
		DATE					



		PROJECT: SITA MASTERPLAN			
		DRAWING TITLE: URBANS LANDSCAPE DETAILS			
H	COUNCIL SUBMISSION	30.09.2015			
G	COUNCIL SUBMISSION	18.09.2015			
F	COUNCIL SUBMISSION	02.09.2015			
E	COUNCIL SUBMISSION	13.09.2015			
D	For Internal Review	03.09.2015			
C	For Council Review	19.09.2014			
B	For Internal Review	17.09.2014			
A	For Review	14.03.2014			
PT	For Review	14.03.2014			
DATE RECEIVED		DATE			
		CLIENT:			
		SITA			
		SIGNED:			
		SCALE: VARY GMI		CHECKED: AL	DRAWING NO: 1000000000
		CREATED: 14/03/2014		JOB NO: 140255	LD01
		DRAWING AL			H
		Copyright © Tishin International Landscape Architects Pty Ltd			
		JOB NO: 008 TSH 008			





#### PLANT SCHEDULE - MOUND PLANTING MATRIX

##### PLANTING OVER FILL

Minimum will vary over time as species will vary depending on location and soil. The schedule below shows a typical selection.

ID	BOTANICAL NAME	COMMON NAME	HEIGHT (m)	POT SIZE	CL
1	<i>Eucalyptus camaldulensis</i>	Sm. eucalypt	0.5	300 mm	5
2	<i>Acacia melanoxylon</i>	Blackwood	0.5	300 mm	5
3	<i>Melaleuca quinquenervia</i>	Broad leaved paper bark	0.5	300 mm	5

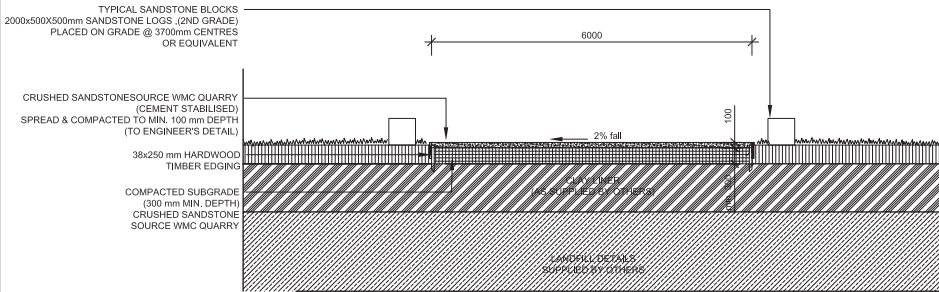
##### GROUNDCOVERS

4	<i>Themedia australis</i>	Native grass	0.2	300 mm	5
5	<i>Microseris laevis</i>	White native grass	0.2	300 mm	5
6	<i>Microseris laevis</i>	White native grass	0.2	300 mm	5

##### NOTE:

\* Plant quantities on planting plan take precedence over quantities identified in this schedule.

#### 2 MOUND PLANTING MATRIX LD02 DETAIL PLAN 1:100



#### 3 UNSEALED ROAD (To Engineer's final details) LD02 TYPICAL SECTION SCALE 1:50

#### 4 RECREATION TRAIL (To Engineer's final details) LD02 TYPICAL SECTION SCALE 1:50

#### INDICATIVE PLANT LIST

##### WOODLAND PLANTING - MOUNDS OVER FILL INDICATIVE SPECIES LIST

BOTANICAL NAME	COMMON NAME	NATIVE HEIGHT (m)
<b>TREES</b>		
<i>Angophora</i>	Isopoda Dwarf apple	8
<i>Parsonsia acuta</i>	Old man banksia	8
<i>Callistemon corymbosus</i>	Black wattle	6
<i>Ceratopetalum apetalum</i>	Coral heath	8
<i>Eucalyptus camaldulensis</i>	Sm. eucalypt	12
<i>Eucalyptus haemastoma</i>	Yellow top ash	5
<i>Eucalyptus multicaulis</i>	Whip stick mallee	5
<i>Eucalyptus obtusata</i>	Port Jackson mallee	6
<i>Eucalyptus pilularis</i>	Coastal tea tree	6
<b>SHRUBS</b>		
<i>Dianella laurifolia</i>	Chiefs cap corolla	1
<i>Dianella laurifolia</i>	White river rose	0.3
<i>Dianella laurifolia</i>	Native rose	0.3
<i>Dianella laurifolia</i>	Coral heath	0.3
<i>Dianella laurifolia</i>	Shiny guinea flower	1
<b>GROUNDCOVERS AND GRASSES</b>		
<i>Dianella laurifolia</i>	Flax lily	0.6
<i>Dianella laurifolia</i>	Blady grass	0.4
<i>Dianella laurifolia</i>	Knobby club rush	0.5
<i>Dianella laurifolia</i>	Mat rush	1

##### WOODLAND PLANTING - OVER DEEP SOIL INDICATIVE SPECIES LIST

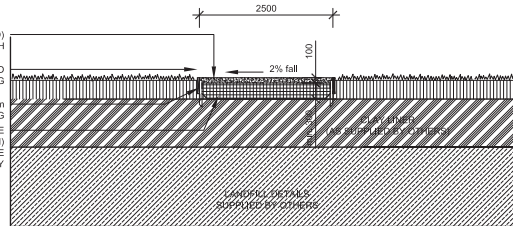
BOTANICAL NAME	COMMON NAME	MATURE HEIGHT (m)
<b>TREES</b>		
<i>Acacia melanoxylon</i>	Blackwood	12
<i>Allocasuarina littoralis</i>	Black she oak	8
<i>Angophora costata</i>	Smooth barked apple	20
<i>Ceratopetalum apetalum</i>	Coastwood	8
<i>Eucalyptus gumifera</i>	Bloodwood	20
<i>Eucalyptus haemastoma</i>	Scribbly gum	15
<i>Eucalyptus leucomelanota</i>	Yellow top ash	5
<i>Eucalyptus multicaulis</i>	Whip stick mallee	5
<i>Eucalyptus obtusata</i>	Port Jackson mallee	6
<i>Eucalyptus pilularis</i>	Blackbutt	20
<i>Leptospermum laevigatum</i>	Coast tea tree	6
<i>Melaleuca quinquenervia</i>	Broad leaved paper bark	12
<b>SHRUBS</b>		
<i>Acacia longifolia</i>	Sydney golden wattle	3
<i>Acacia obtusifolia</i>	Blunt leaf wattle	2
<i>Banksia ericifolia</i>	Heath leaf banksia	3
<i>Banksia marginata</i>	Silver banksia	2
<i>Banksia robusta</i>	Swamp banksia	2
<i>Bauera microphylla</i>	White river rose	0.3
<i>Boronia serrulata</i>	Native rose	0.6
<i>Bursaria spinulosa</i>	Blackthorn	4
<i>Callistemon citrinus</i>	Red bottlebrush	4
<i>Ceratopetalum gumifera</i>	NSW christmas bush	4
<i>Correa basculenta</i>	Chiefs cap corolla	1
<i>Epacris microphylla</i>	Coral heath	0.5
<i>Hibbertia linearis</i>	Shiny guinea flower	1
<i>Leptospermum parrivolum</i>	Small leaf - tea tree	3

##### SHRUBS

<i>Acacia longifolia</i>	Sydney golden wattle	3
<i>Acacia obtusifolia</i>	Blunt leaf wattle	2
<i>Banksia ericifolia</i>	Heath leaf banksia	3
<i>Banksia marginata</i>	Silver banksia	2
<i>Banksia robusta</i>	Swamp banksia	2
<i>Bauera microphylla</i>	White river rose	0.3
<i>Boronia serrulata</i>	Native rose	0.6
<i>Bursaria spinulosa</i>	Blackthorn	4
<i>Callistemon citrinus</i>	Red bottlebrush	4
<i>Ceratopetalum gumifera</i>	NSW christmas bush	4
<i>Correa basculenta</i>	Chiefs cap corolla	1
<i>Epacris microphylla</i>	Coral heath	0.5
<i>Hibbertia linearis</i>	Shiny guinea flower	1
<i>Leptospermum parrivolum</i>	Small leaf - tea tree	3

##### GROUNDCOVERS AND GRASSES

<i>Carpetobrotus glaucescens</i>	Pig face	-
<i>Dianella laurifolia</i>	Flax lily	0.6
<i>Dianella laurifolia</i>	Native kidney weed	-
<i>Goodenia hederacea</i>	Ivy leaf goodenia	0.1
<i>Grevillea juniper</i>	Ground-cover grevillea	0.1
<i>Grevillea 'Royal mantle'</i>	Royal mantle grevillea	0.2
<i>Hibbertia linearis</i>	Snake vine	-
<i>Imperata cylindrica</i>	Blady grass	0.4
<i>Ischaemum nodosum</i>	Knobby club rush	0.5
<i>Lomandra longifolia</i>	Mat rush	1
<i>Pandorea pandorana</i>	Wonga wonga vine	-
<i>Themedia australis</i>	Kangaroo grass	0.5



##### WATERCOURSE PLANTING INDICATIVE SPECIES LIST

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT (m)
<b>TREES</b>		
<i>Allocasuarina littoralis</i>	Black she oak	8
<i>Ceratopetalum apetalum</i>	Coastwood	8
<i>Melaleuca quinquenervia</i>	Broad leaved paper bark	12
<b>SHRUBS</b>		
<i>Banksia robusta</i>	Swamp banksia	2
<i>Bauera microphylla</i>	White river rose	0.3
<i>Correa basculenta</i>	Chiefs cap corolla	1
<i>Epacris microphylla</i>	Coral heath	0.5

##### GROUNDCOVERS, REEDS AND RUSHES

<i>Dichondra repens</i>	Native kidney weed	-
<i>Gahnia erichthocarpa</i>	Sword sedge	1.5
<i>Gahnia sieberiana</i>	Sword sedge	1.5
<i>Imperata cylindrica</i>	Blady grass	0.4
<i>Ischaemum nodosum</i>	Knobby club rush	0.5
<i>Juncus kraussii</i>	Sea rush	0.4
<i>Juncus ustulatus</i>	Common rush	0.6
<i>Restio tetraphyllus</i>	Tassel rush	1.5

##### LAWN AND NATIVE GRASSED AREA INDICATIVE SPECIES LIST

BOTANICAL NAME	COMMON NAME	MATURE HEIGHT (m)
<b>NATIVE GRASSES</b>		
<i>Themedia australis</i>	Native grass	0.2
<i>Microseris laevis</i>	White native grass	0.2
<i>Microseris laevis</i>	White native grass	0.2
<i>Microseris laevis</i>	White native grass	0.2

##### LAWN

<i>Themedia australis</i>	Native grass	-
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GHD

133 Castlereagh St Sydney NSW 2000

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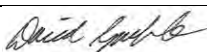
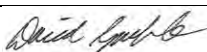
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