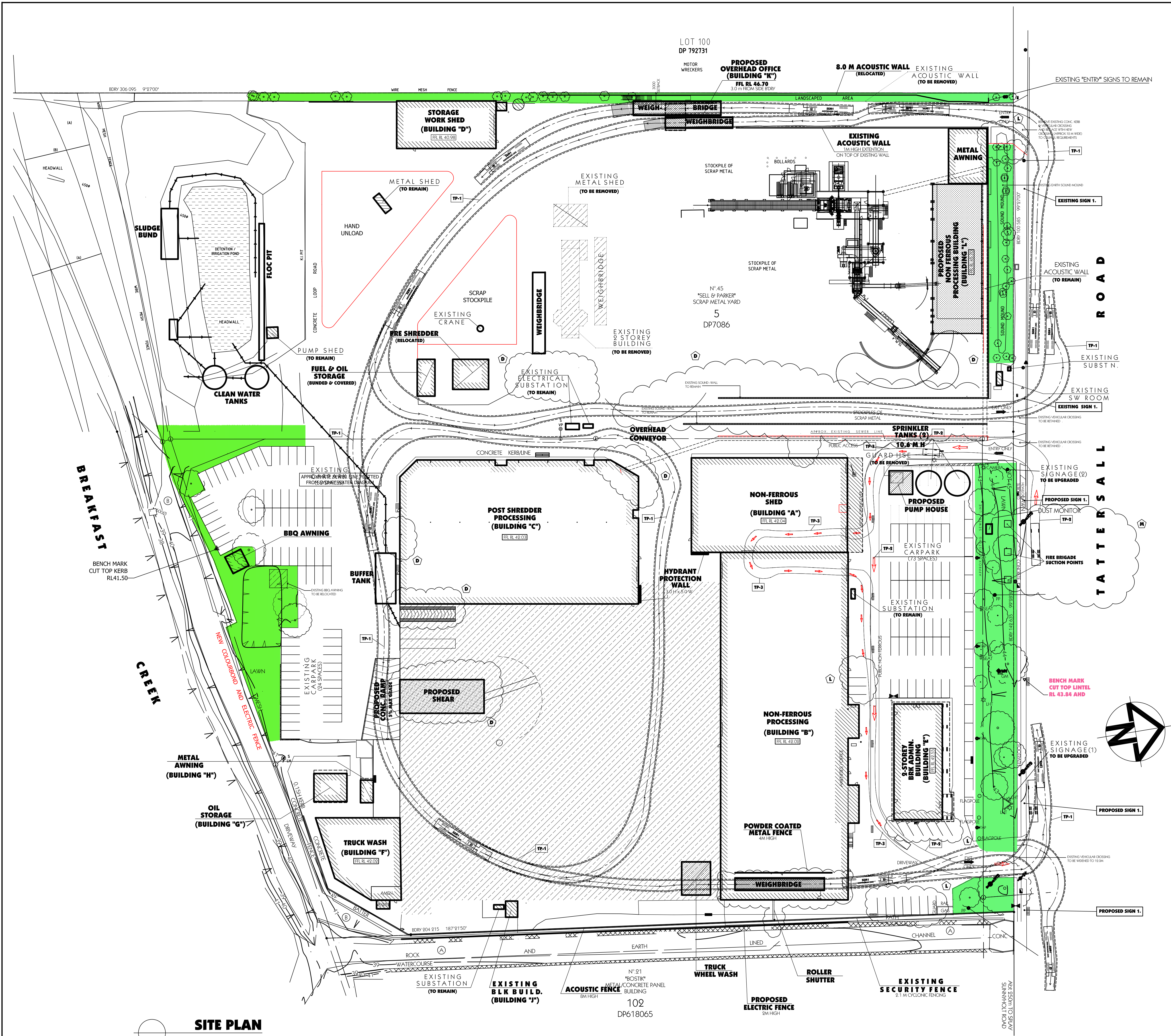




LEGEND

EXISTING STRUCTURE TO REMAIN

EXISTING STRUCTURE TO BE REMOVED

PROPOSED NEW STRUCTURE

EXISTING STRUCTURE TO BE FOR REUSE OR TO BE RELOCATED

LEGEND VEHICLE TURN TEMPLATES

TP-1 TURNING TEMPLATE - ARTICULATED VEHICLE 12.5 M RADIUS CLEARANCE HT 4.5 M A.S 2890.2 - 2002

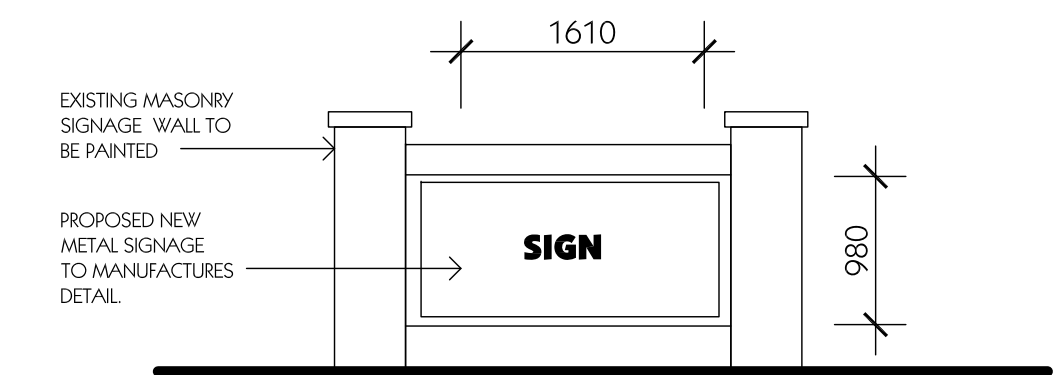
TP-2 TURNING TEMPLATE - HEAVY RIGID VEHICLE 12.5 M RADIUS CLEARANCE HT 4.5 M A.S 2890.2 - 2002

TP-3 TURNING TEMPLATE - B99 CAR 6.3 M RADIUS

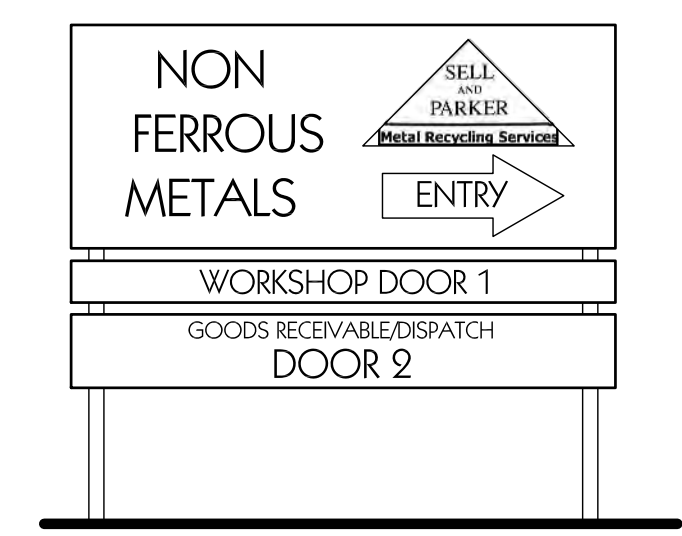
DEVELOPMENT DATA		
SITE AREA	59 475 M2 approx.	
	FLOOR AREAS	
	W/HOUSE	OFFICE /AMEN
BUILD "A"	1278 M2	24 M2
BUILD "B"	3162 M2	438 M2
BUILD "C"	2981 M2	
BUILD "D"	415 M2	
BUILD "E"	984 M2	
BUILD "F"	494 M2	
BUILD "G"	81 M2	
BUILD "H"	25 M2	
BUILD "I"	17 M2	
BUILD "K"	47 M2	
BUILD "L"	593 M2	
TOTAL	10 077 M2	462 M2
CARPARKING REQUIRED	TOTAL GR FLR AREA	10077
	75	75
	TOTAL OFFICE AREA	462
	40	40
	TOTAL	145
PROVIDED		147



PROPOSED SIGN 1.

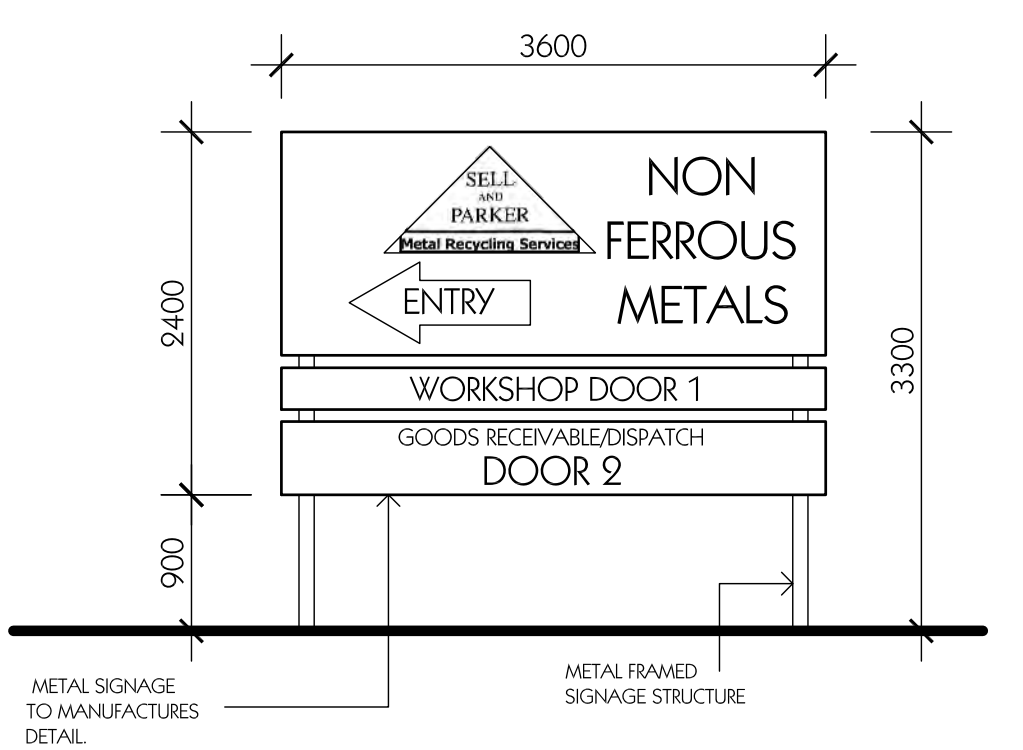


EXISTING SIGNAGE (1) TO BE UPGRADED



SIDE 1

EXISTING SIGNAGE (2) TO BE UPGRADED



SIDE 2

	36mtr FIRE HOSE REEL
	DOUBLE FIRE HYDRANT
	ISOLATION VALVE IN GROUND
	ISOLATION VALVE ABOVE GROUND
	BOOSTER VALVE
	STREET HYDRANT
	MAIN ELECTRICAL SWITCHBOARD
	DRENCHER CONTROL VALVE SET
	FIRE FIGHTING CANNON
	150mm FRNSW STORTZ TANK SUCTION OUTLET & BUTTERFLY VALVE
	4 POINT FRNSW TANK TYPE BOOSTER VALVE

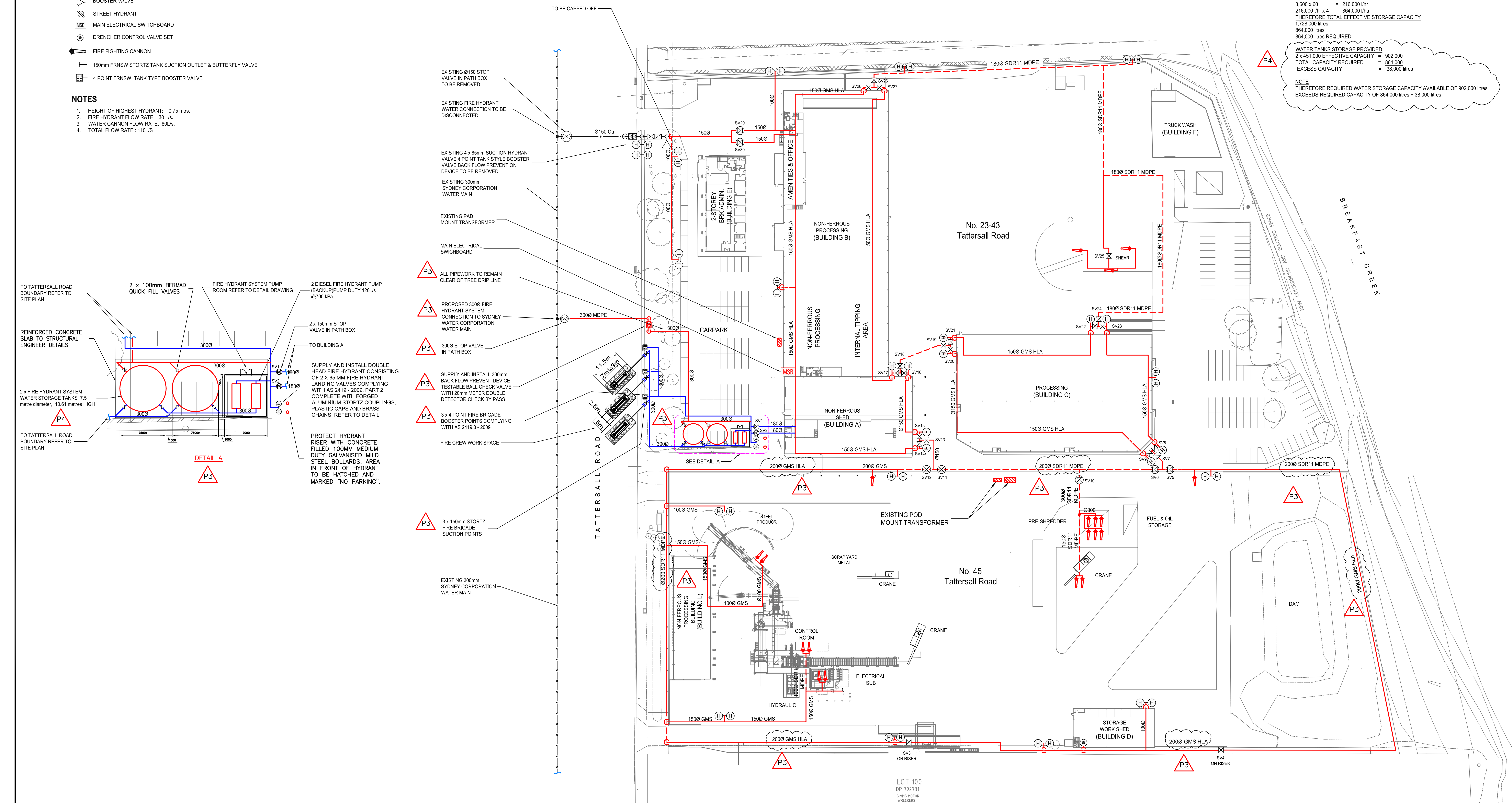
1. HEIGHT OF HIGHEST HYDRANT: 0.75 mtrs.
2. FIRE HYDRANT FLOW RATE: 30 L/s.
3. WATER CANNON FLOW RATE: 80L/s.
4. TOTAL FLOW RATE : 110L/S

REQUIRED STORAGE
120 l/s x 60 = 7,200 l/m
7200 l/m x 60 = 432,000 l/hr
432,000 l/hr x 4 = 1,728,000 TOTAL STORAGE

864,000 litres REQUIRED

WATER TANKS STORAGE PROVIDED
 2 x 451,000 EFFECTIVE CAPACITY = 902,000
 TOTAL CAPACITY REQUIRED = 864,000
 EXCESS CAPACITY = 38,000 litres

NOTE
THEREFORE REQUIRED WATER STORAGE CAPACITY AVAILABLE OF 902,000 litres
EXCEEDS REQUIRED CAPACITY OF 864,000 litres + 38,000 litres



DIAL 1100
BEFORE YOU DIG

[illegible]

	INITS	DATE
DRAWN	PVM	09.05.17
DRG. CHECK	M.H.	09.05.17
DESIGN	M.H.	29.03.16
DESIGN CHECK	M.H.	27.06.16
PROJECT MANAGER		
APPROVED		

CLIENT	DEXION SELL & PARKER 23-45 TATTERSALL ROAD KINGS PARK NSW 2148
MJH	M.J. HARVEY & ASSOCIATES PTY. LTD. HYDRAULIC & FIRE PROTECTION ENGINEERS A.C.N. 6167 795 836 Unit 7, 11-13 POTTER CLOSE, WETHERILL PARK 2164 P.O. BOX 6389, WETHERILL PARK 2164 Phone (02) 9756 5579 Fax (02) 97565641

PROJECT COMMERCIAL INDUSTRIAL BUILDINGS						
23-43 + 45 Tattersall Road, KINGS PARK NSW 2148						
TITLE COMBINED SITE PLAN						
FIRE HYDRANT & WATER CANNON SYSTEMS						
DWG. SIZE	SCALE	PROJECT NO.	JOB NO.	REV.	DWG. NO.	
R1	NTS	14 023	16-001	P4	FH-01	

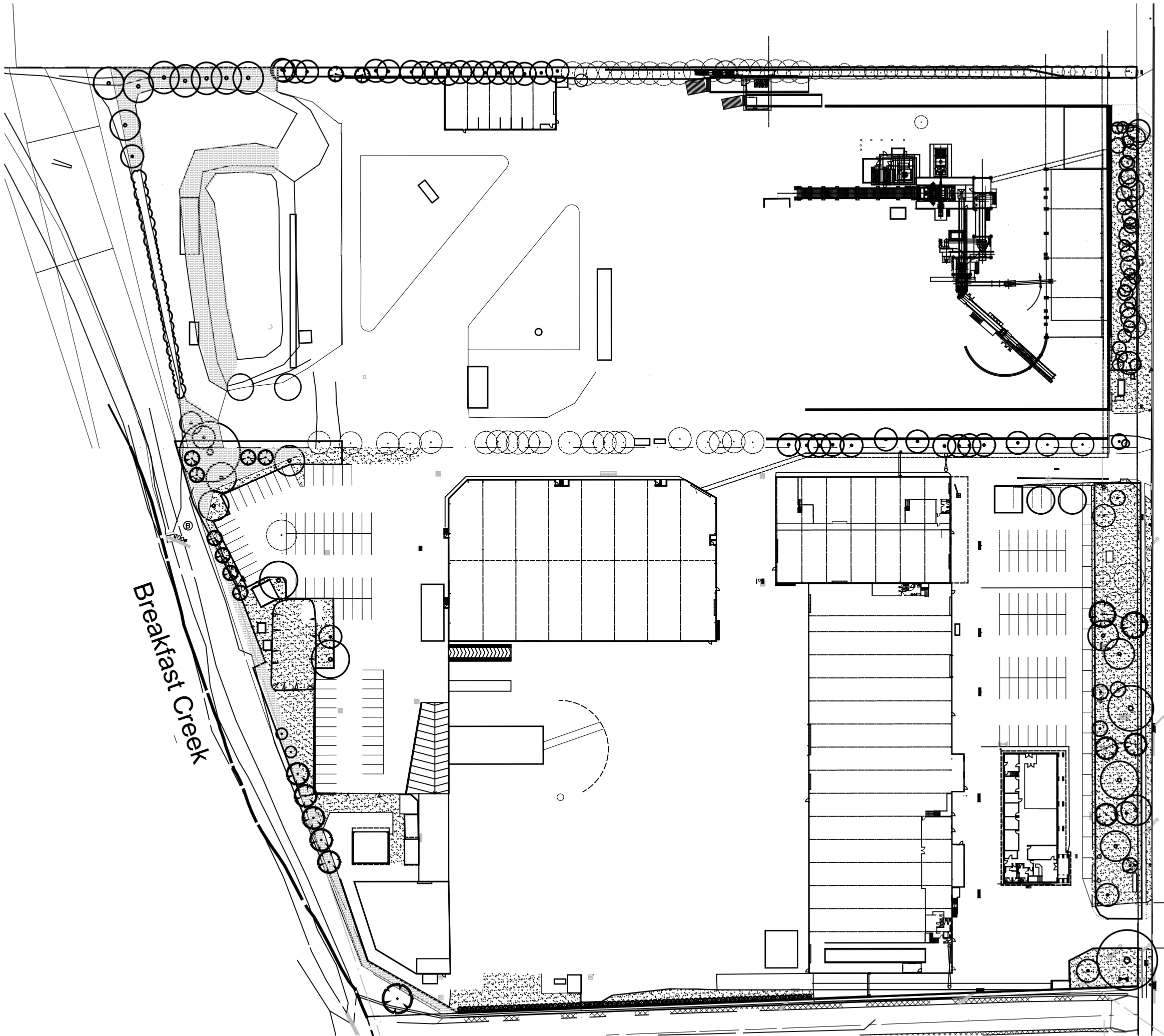
PROPOSED ALTERATIONS TO EXISTING RECYCLING CENTRE

23-43 & 45 TATTERSAL RD, KINGS PARK

LANDSCAPE

DRAWINGS

DWG NO.	DRAWING TITLE	SCALE
000	COVERSHEET	N/A
101	LANDSCAPE MASTERPLAN	1:500
401	LANDSCAPE PLAN	1:250
402	LANDSCAPE PLAN	1:250
403	LANDSCAPE PLAN	1:250
404	LANDSCAPE PLAN	1:250
501	LANDSCAPE DETAILS	AS SHOWN



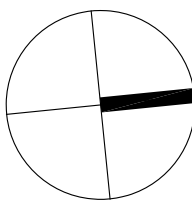
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Issue	Revision Description	Drawn	Check	Date

LEGEND

Key Plan:



Client:
Sell and Parker Pty Ltd

Project:
**Proposed Alterations to
Existing Recycling Center
23 & 45 Tattersal Rd, Kings Park**

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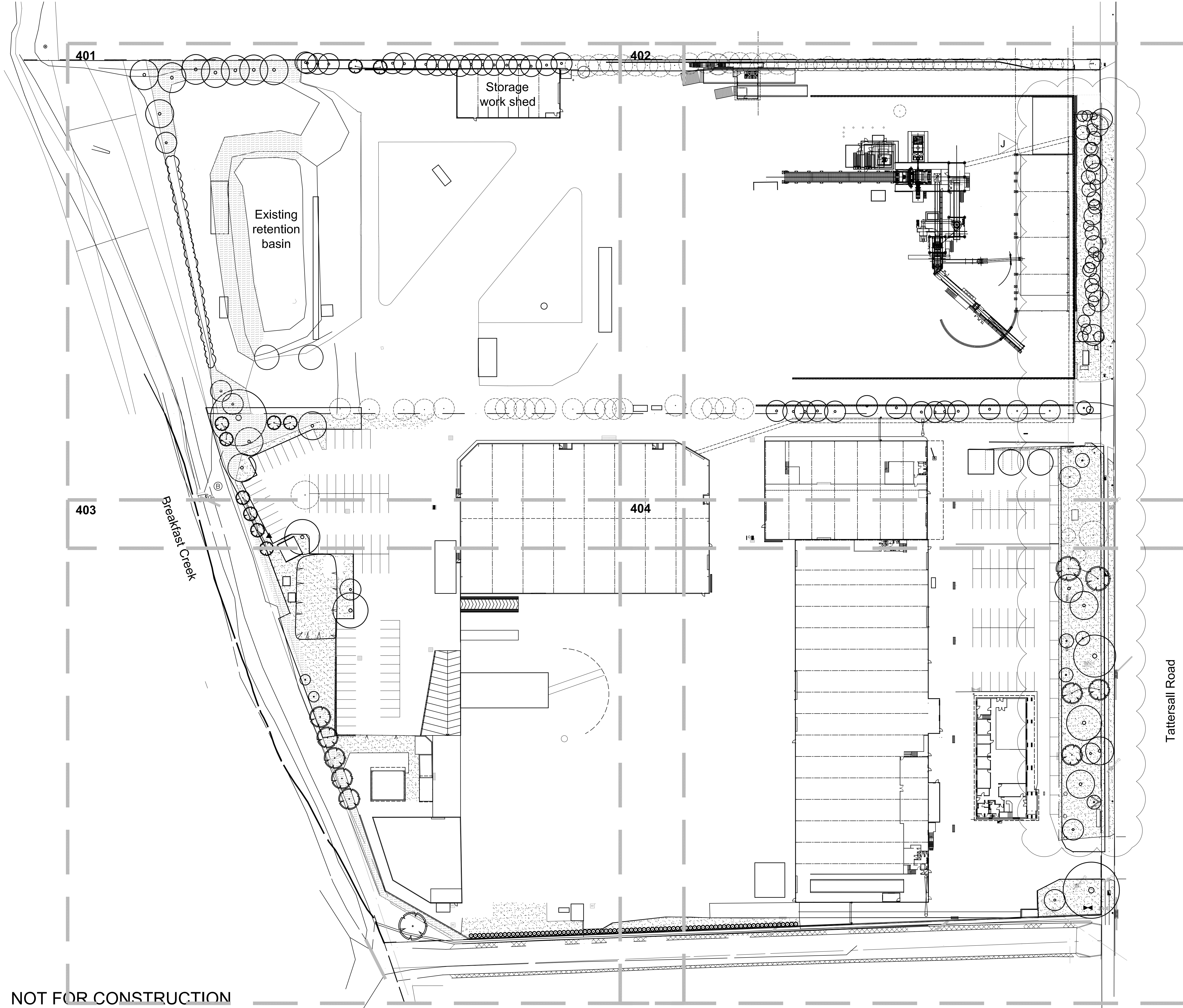
Landscape Architects

CONSTRUCTION CERTIFICATE

Drawing Name:
Coversheet

Scale:
Job Number: **SS15-3178**
Drawing Number:
Issue: **000 I**

NOT FOR CONSTRUCTION



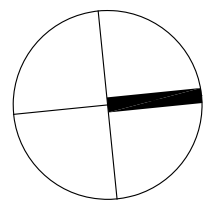
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- LEGEND
- Site Boundary
 - Existing vegetation to be retained, with additional interplanted vegetation
 - Turf
 - Existing tree to be removed
 - Existing tree to be retained
 - Proposed tree planting

Key Plant:



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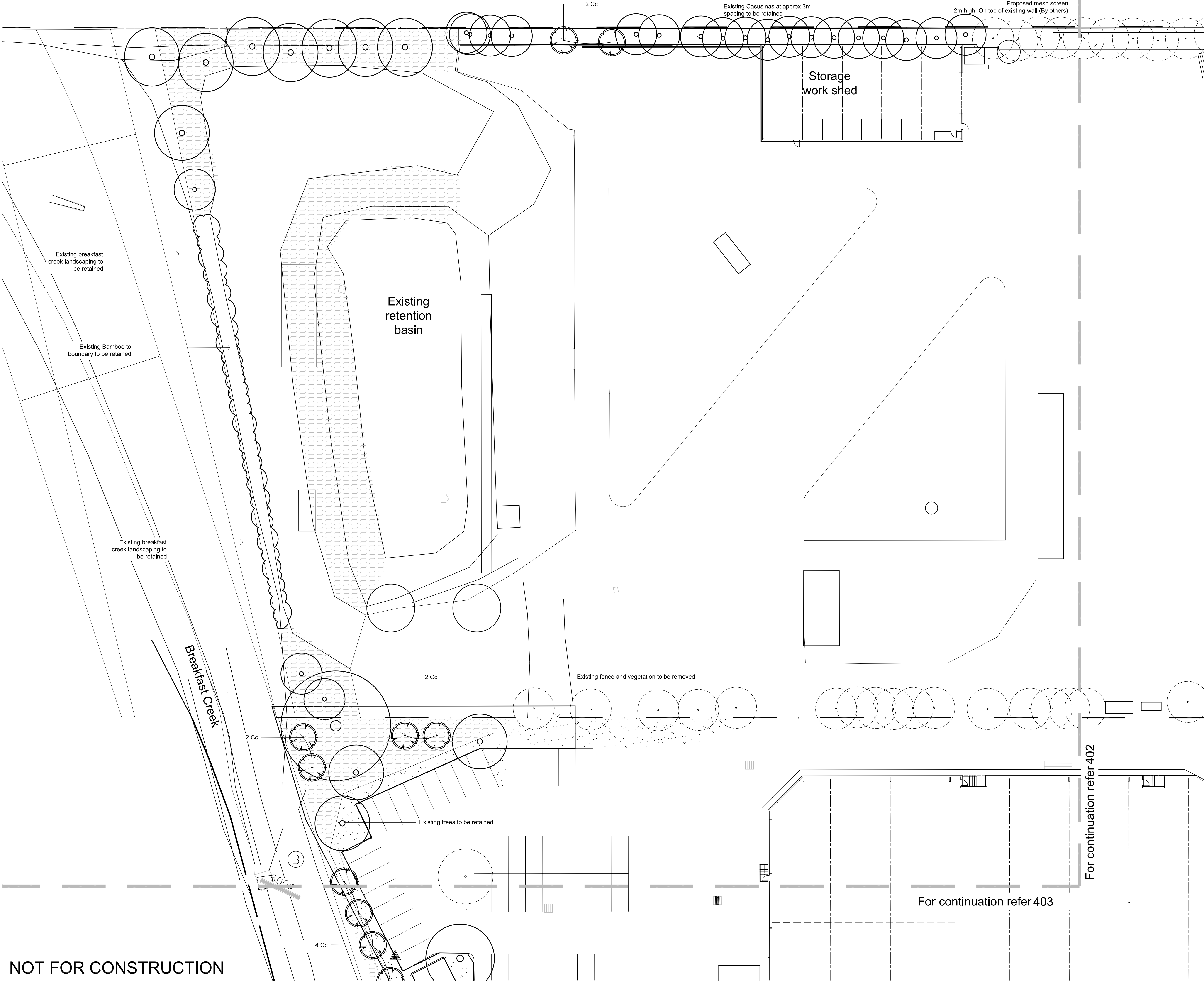
CONSTRUCTION CERTIFICATE

Drawing Name:
Landscape Masterplan

Scale: 1:500 @ A1
Job Number:
Drawing Number:
Issue:

SS15-3178 101 J

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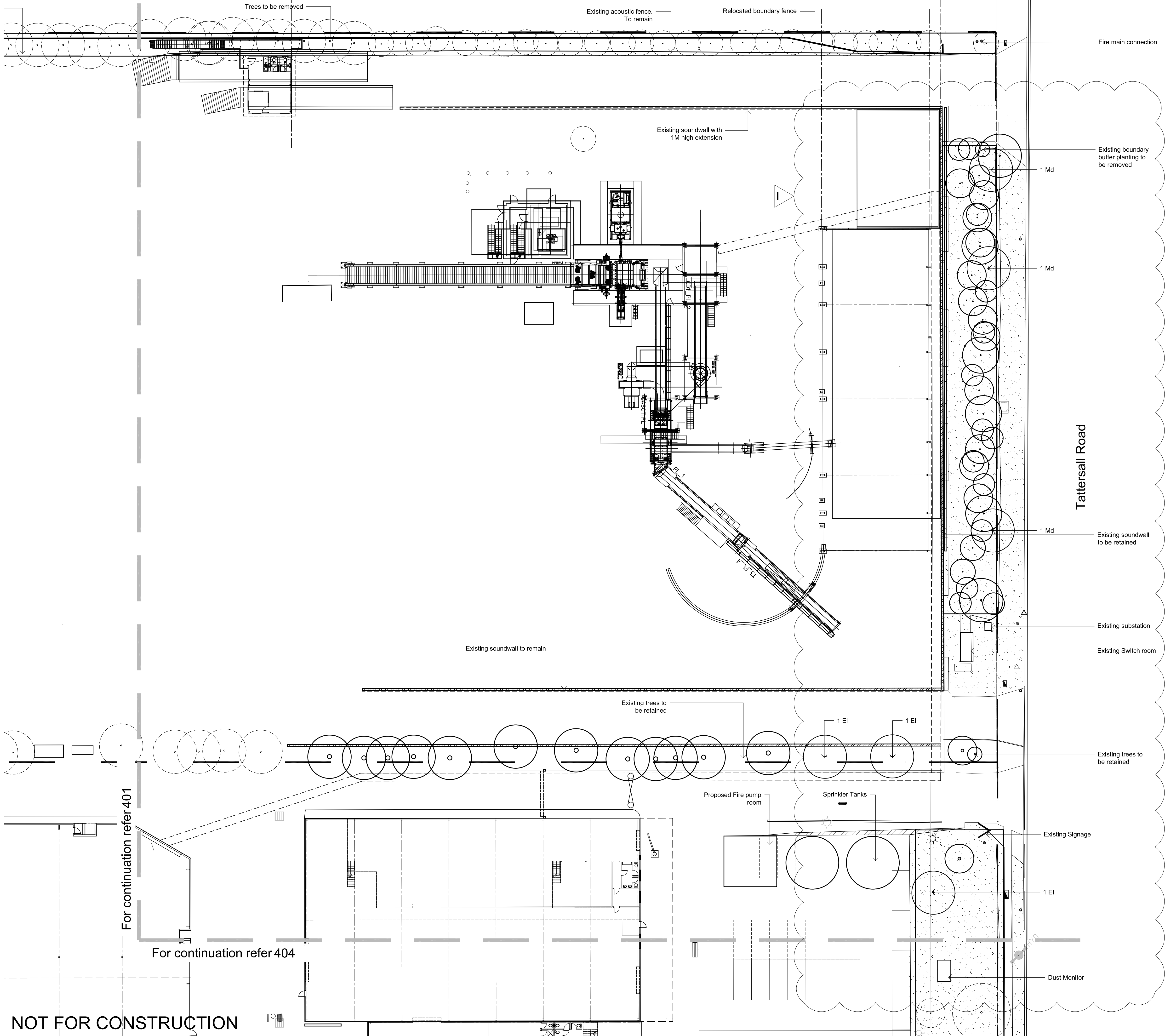
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Landscape Plan

Scale: 1:250 @ A1
Job Number:
SS15-3178

For continuation refer 402
For continuation refer 403

0 1 2 4 6 8 10m
Drawing Number:
401
Issue:
G

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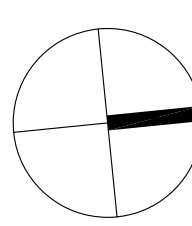
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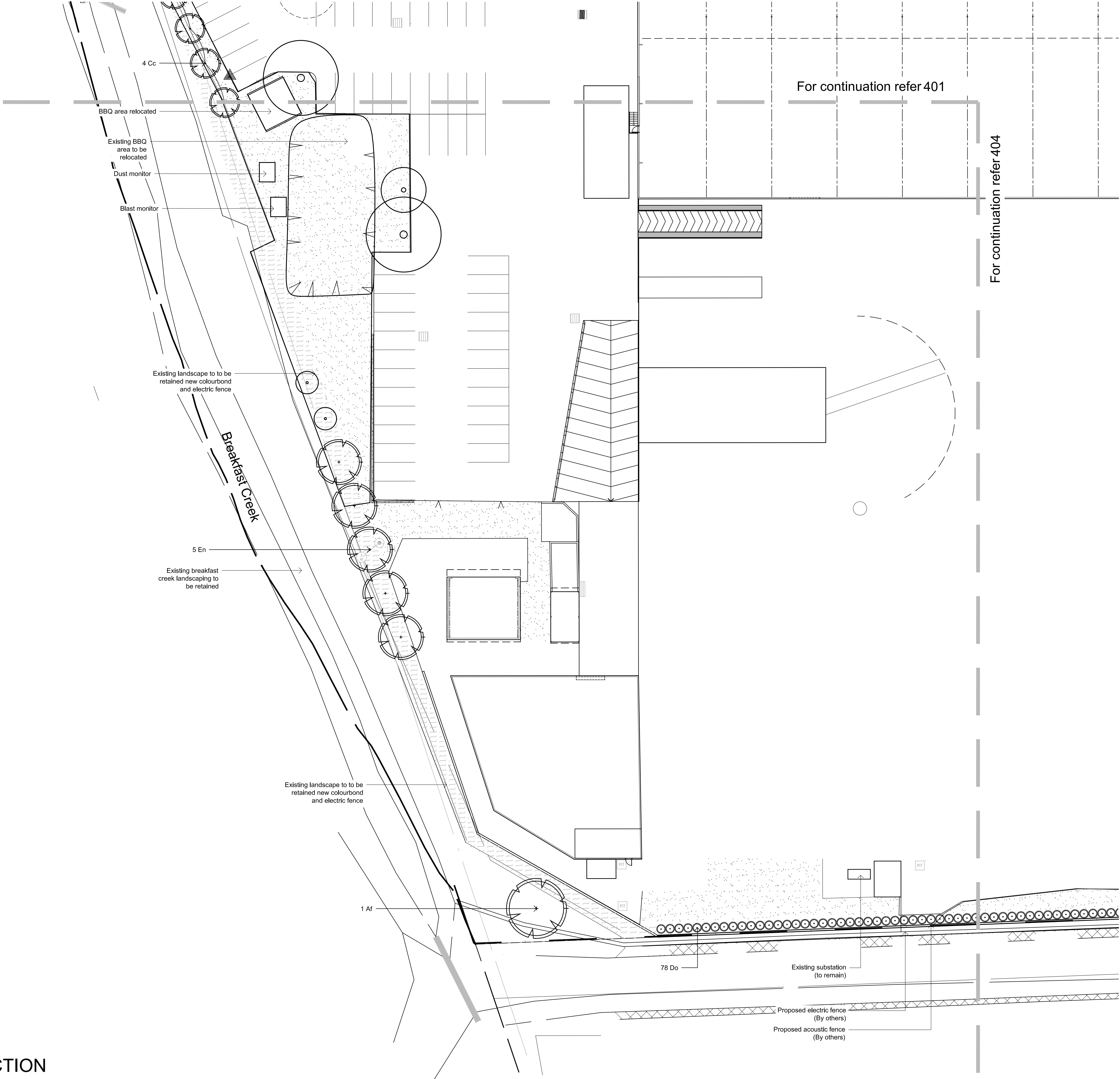
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Landscape Plan

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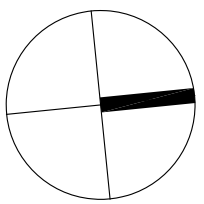
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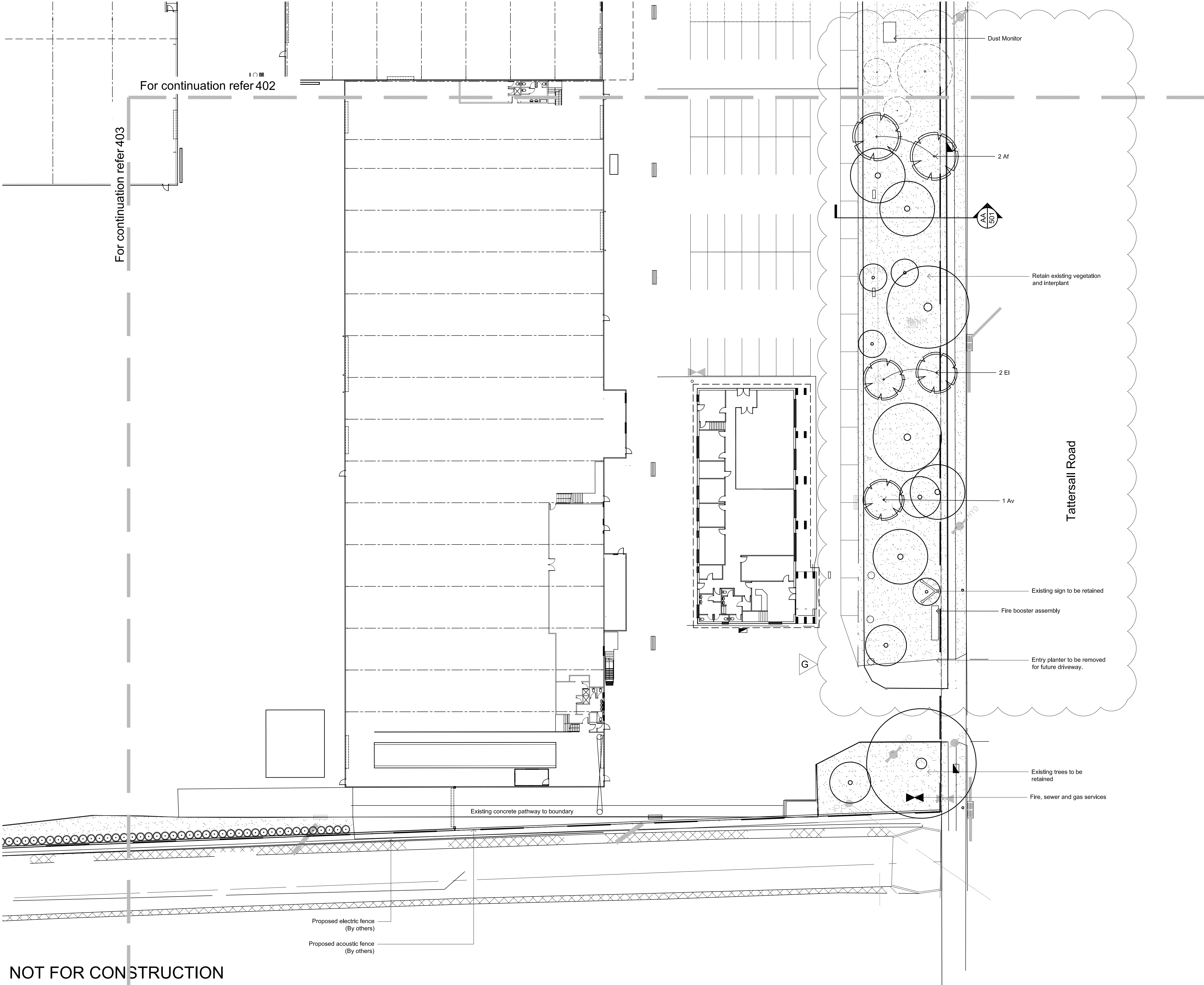
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Job Number:
Drawing Number:
Issue:

SS15-3178 403 G



For continuation refer 403

For continuation refer 402

Existing concrete pathway to boundary

Dust Monitor

2 Af

Retain existing vegetation and interplant

2 Ei

1 Av

Existing sign to be retained

Fire booster assembly

Entry planter to be removed for future driveway.

Existing trees to be retained

Fire, sewer and gas services

Tattersall Road

Proposed electric fence (By others)

Proposed acoustic fence (By others)

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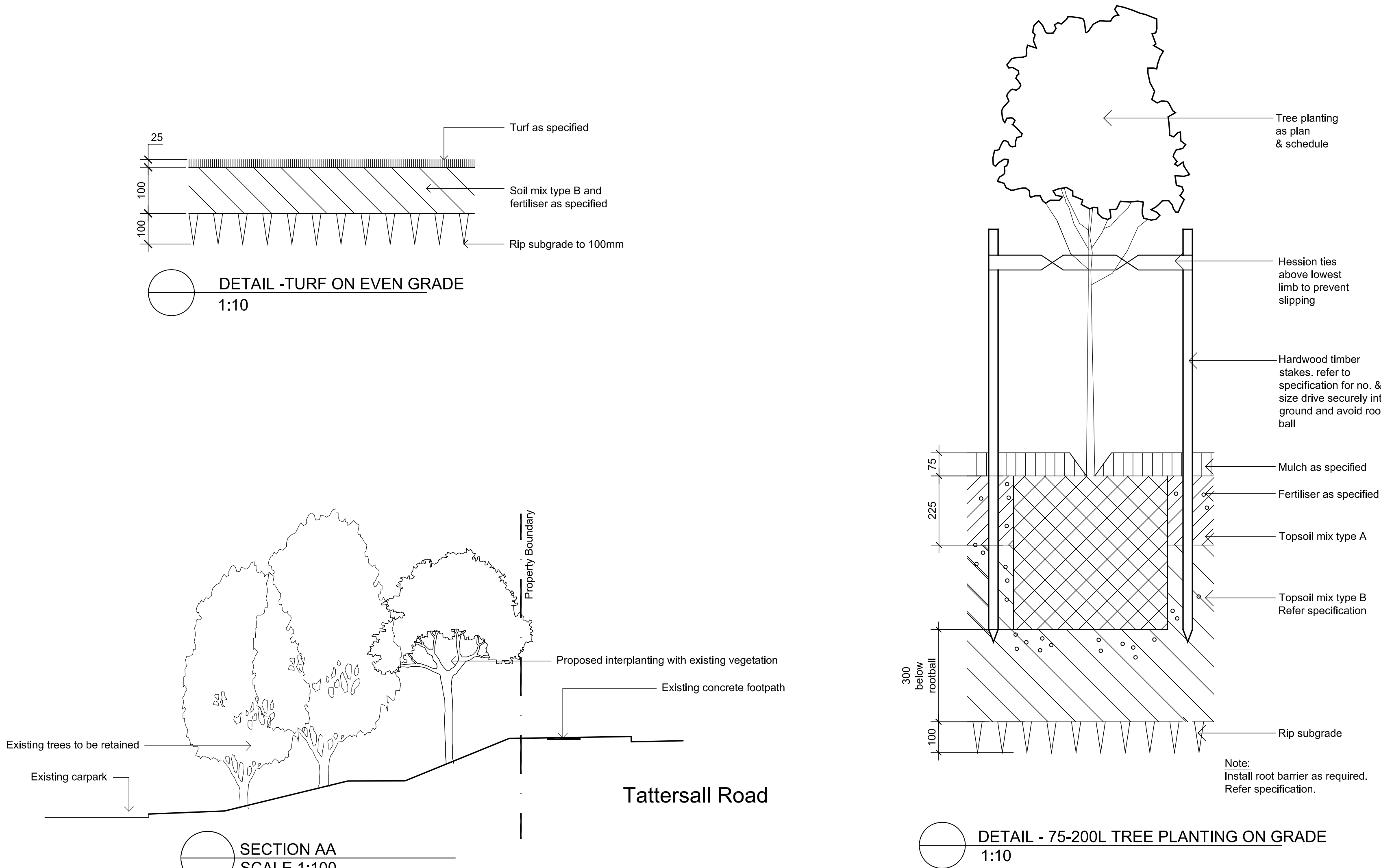
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Landscape Plan

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SS15-3178 404 G

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Symbol	Botanic Name	Common Name	Mature Size (h x w)	Pot Size	Spacing	Qty
TREES						
Af	<i>Angophora floribunda</i>	Rough-Barked Apple	20 x 8	100L	As Shown	3
Av	<i>Allocasuarina verticillata</i>	Drooping She-Oak	8 x 7	100L	As Shown	1
Cc	<i>Casuarina cunninghamiana</i>	River Sheoak	20 x 6	100L	As Shown	10
Ei	<i>Eucalyptus leucoxylon</i> 'Eukie Dwarf'	Eukie Dwarf	7 x 5	100L	As Shown	5
En	<i>Eucalyptus nicholii</i>	Willow Peppermint	12 x 9	100L	As Shown	5
Md	<i>Melaleuca decora</i>	White Feather Honey Myrtle	6 x 3	100L	As Shown	3
BAMBOO						
Do	<i>Dendrocalamopsis oldhamii</i>	Giant Timver Bamboo	15 x 2	300mm	As Shown	78

Maintenance Schedule

Table	ACTIVITY	FREQUENCY						ACTION Daily, Weekly, Monthly
		D	W	2W	3W	M	3or6M	
1	Logbook	+		+		+		Complete a logbook entry every day at site and at least every two weeks. All actions listed below require a logbook entry. Upon request, make the logbook available for inspection. Submit copies of new entries in the logbook to the Contract Administrator on a monthly basis. Please note that more frequent, short, occasional inspection should result in less maintenance work when problems are observed earlier than they might otherwise have been seen. Maintenance requirements should extend for a minimum of two years after the completion of works or until such time as a minimum 80% survival rate for all plantings and a maximum five percent (5%) weed cover for the treated riparian corridor (controlled activity) is achieved. Maps or diagrams which identify the proposed riparian area, existing vegetation, vegetation to be retained, vegetation to be cleared, footprint of construction activities, areas of proposed revegetation etc should be prepared
2	Plant replacement			+		+		Inspect and replace failed plants within 2 weeks of observation of failure. Match species, size (original) and location of new with old.
3	Mulch			+		+		Inspect and replace mulch deficiencies within 2 weeks of observation. Prior to placing new mulch aerate the soil by fork turning to a depth of at least 100mm, roughly level the soil and then place mulch. Do not disturb major plant roots while aerating soil. It can be expected that mulch will have significantly broken-down after an estimated 12-month period following initial application. It is therefore recommended that all mulch beds are topped-up with a 50mm layer of woodchip/leaf mulch (Compliant with AS 4454) at this stage. This should be accompanied by a topdressing application of a 9-month, slow release, low phosphorous fertiliser to ensure that semi-established plantings do not suffer as a result of potential nitrogen draw-down that may be associated with the application of the 50mm mulch layer at the 12-month period.
4	Erosion control			+				Inspect every two weeks and repair ground, soil and mulch immediately. Maintain erosion control device as necessary. Silt fencing installed for sediment control purposes to the east of the tributary. Silt fencing should be regularly inspected and repaired or reinstalled as necessary.
5	Stakes and ties			+				Inspect every two weeks, adjust and/or replace as necessary but remove as plants mature and are able to support themselves.
6	Weed and rubbish removal			+				Inspect and remove immediately upon observation. Leave no waste on site. Dispose of waste material at a designated waste disposal site. All herbaceous weeds should be managed to be at very-low percentage cover levels, (as a minimum), or better. Pasture grasses should be prevented from spreading into any bushland zones by applying a spot glyphosate herbicide spray application on the 1-metre wide buffer zone, on a monthly basis or as required. Maintenance weeding for a period of 24 months after the completion of primary works with an increase in maintenance hours occurring throughout the warmer growing months.
7	Pruning			+				Inspect every 2 weeks and prune as necessary to remove dead wood, improve plant shape and promote healthy vigorous new growth.
8	Spraying			+				Inspect every 2 weeks and action as necessary. Do not spray if other non-chemical methods will satisfy the need to remove insects. Spray for disease control only when absolutely necessary.
9	Urgent works		+					Complete within 1 week (7 days) of notification. Inspect and clear drains.
10	Planting and fertilising			+			3m+	Inspect every 2 weeks and remove spent flowers and dead stalks as they become apparent. Fertilise gardens every 3 months or other frequency in accordance with fertiliser manufacturer's directions.
11	Watering	+		+				Water when and where necessary every day at site and at least every 2 weeks generally. Do not allow soil and plants to dehydrate. Allow for prolonged rain, windy and dry periods. Water in the early morning or late afternoon to avoid excessive evaporation during the heat of the day.
12	Mowing, top-dressing and edging			+		+	6m+	Summer fortnightly. Winter monthly. Top-dress 6 monthly.

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CONSTRUCTION CERTIFICATE

Drawing Name:
Landscape Details

Scale: 1:250 @ A1
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SS15-3178 501 I