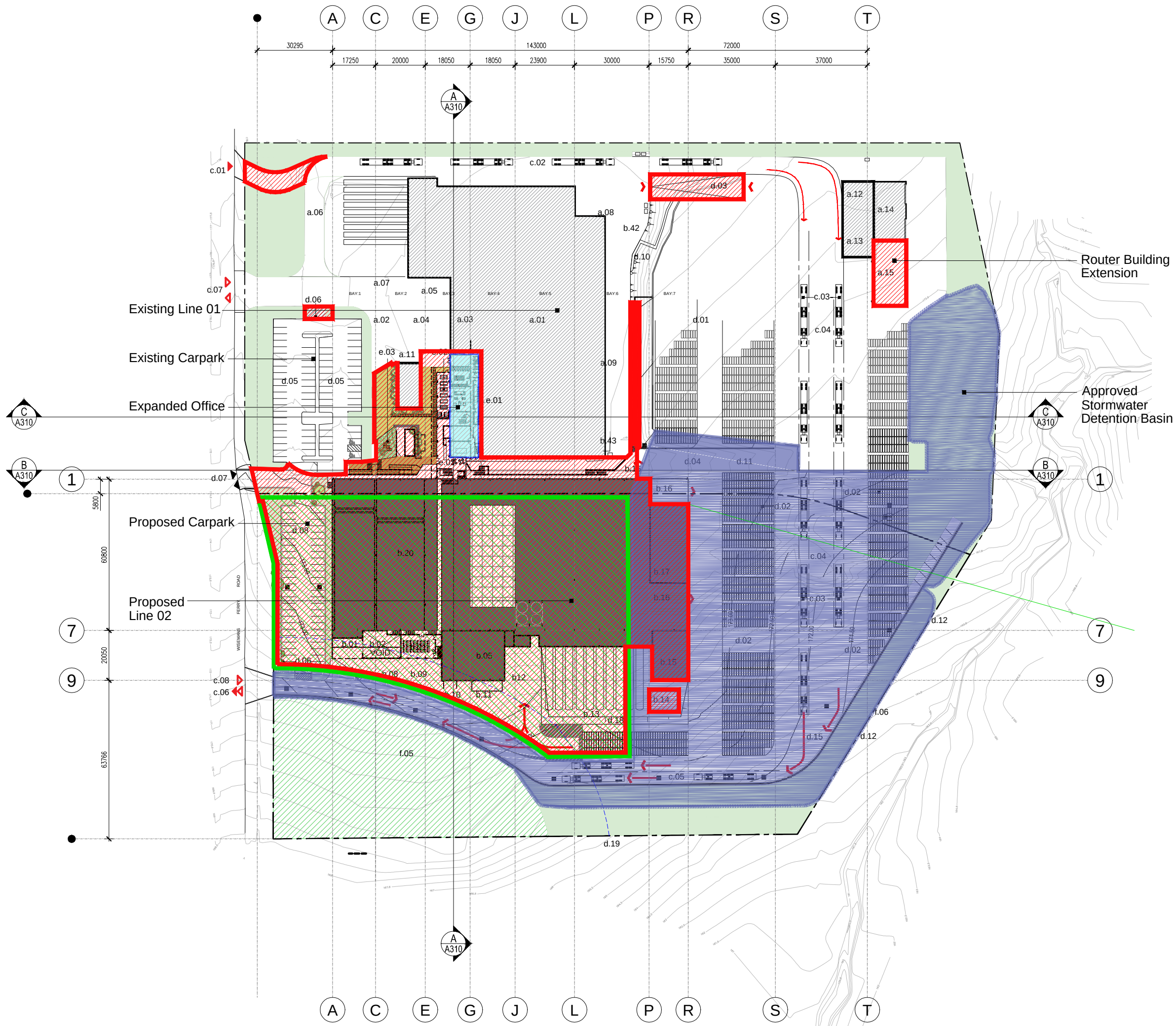




KEY	
LINE 1 - EXISTING	
a.01	Production lines
a.02	Raw materials in - Receiving yard
a.03	Raw materials in - Silos
a.04	Steel delivery area - Hopper
a.05	Steel delivery area - Internal
a.06	Autoclave array
a.07	Boiler room
a.08	Product out
a.09	Existing cutting building
a.10	Future cutting building
a.11	Laboratory testing building
a.12	Existing dispatch
a.13	Existing accessories
a.14	Existing routing room
a.15	Routing room extension

LINE 2 - PROPOSED	
b.01	Steel delivery awning
b.02	Research and development
b.02a	Research and development - Stores
b.03	Services
b.04	Maintenance
b.05	Ball mill
b.06	Aluminium store
b.07	Process testing Laboratory
b.08	Kiosks
b.09	Mould break out line
b.10	Raw materials in - Gypsum
b.11	Raw materials in - Sand bunker
b.12	Raw materials in - Filling stations
b.13	Autoclave array
b.14	Condensate basin
b.15	Boiler room
b.16	Product out
b.17	Panel cutting
b.20	Overhead walkway
b.21	Training room
b.22	I.T.
b.23	Compressors
b.30	Production floor access gates
b.40	Waste - sorted general waste
b.41	Waste - general office waste
b.42	Waste - AAC recycling
b.43	Waste - Steel reinforcing

SITE CIRCULATION: Articulated	
c.01	Articulated vehicle modified entry
c.02	Articulated vehicle layby
c.03	Articulated vehicle loading
c.04	Articulated vehicle slip lane
c.05	Articulated vehicle tie down
c.06	Articulated vehicle exit
c.07	Existing site entry - Raw material delivery only
c.08	New site entry - Raw material delivery only

SITE: General	
d.01	Line 1 external storage - existing
d.02	Line 2 external storage - proposed
d.03	Line 1 forklift ramp
d.04	Line 2 forklift circulation corridor
d.05	Car park - existing
d.06	Car park - FRNSW access
d.07	Car park - new entry
d.08	Car park - proposed extension
d.09	Car park - future extension
d.10	Landscaped batters - existing
d.11	Landscaped batters - removed
d.12	Landscaped batters - new/approved
d.13	Landscaped batters - proposed
d.14	Retaining walls - existing
d.15	Retaining walls - new/approved
d.16	Retaining walls - proposed
d.17	Detention basin access ramp
d.18	Autoclave hardstand batters
d.19	Extent of 24m APZ

e.01	Administration - Existing
e.02	Administration - Proposed Extension
e.03	New Staff outdoor lunch area

LANDSCAPING: D&C Feature Native Landscaping	
f.01	Entry planting + tree removal
f.02	Outdoor Staff courtyard areas
f.03	Carpark landscaping
f.04	Entry planting + tree removal
f.05	Existing conservation zone
f.06	App. Southeast batter landscaping
f.07	Approved detention basin

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LEGEND	
	Extent of proposed development
	Extent of existing approval
	Extent of internal refurbishment
	Extent of area approved for clearing and civil works

A	2016.05.03	DIA ISSUE
03	2016.04.12	REVISED ISSUE
02	2016.04.11	REVISED ISSUE
01	2016.04.08	PRELIMINARY CLIENT DOCUMENTATION ISSUE
ISSUE	DATE	AMENDMENTS

The better way to build

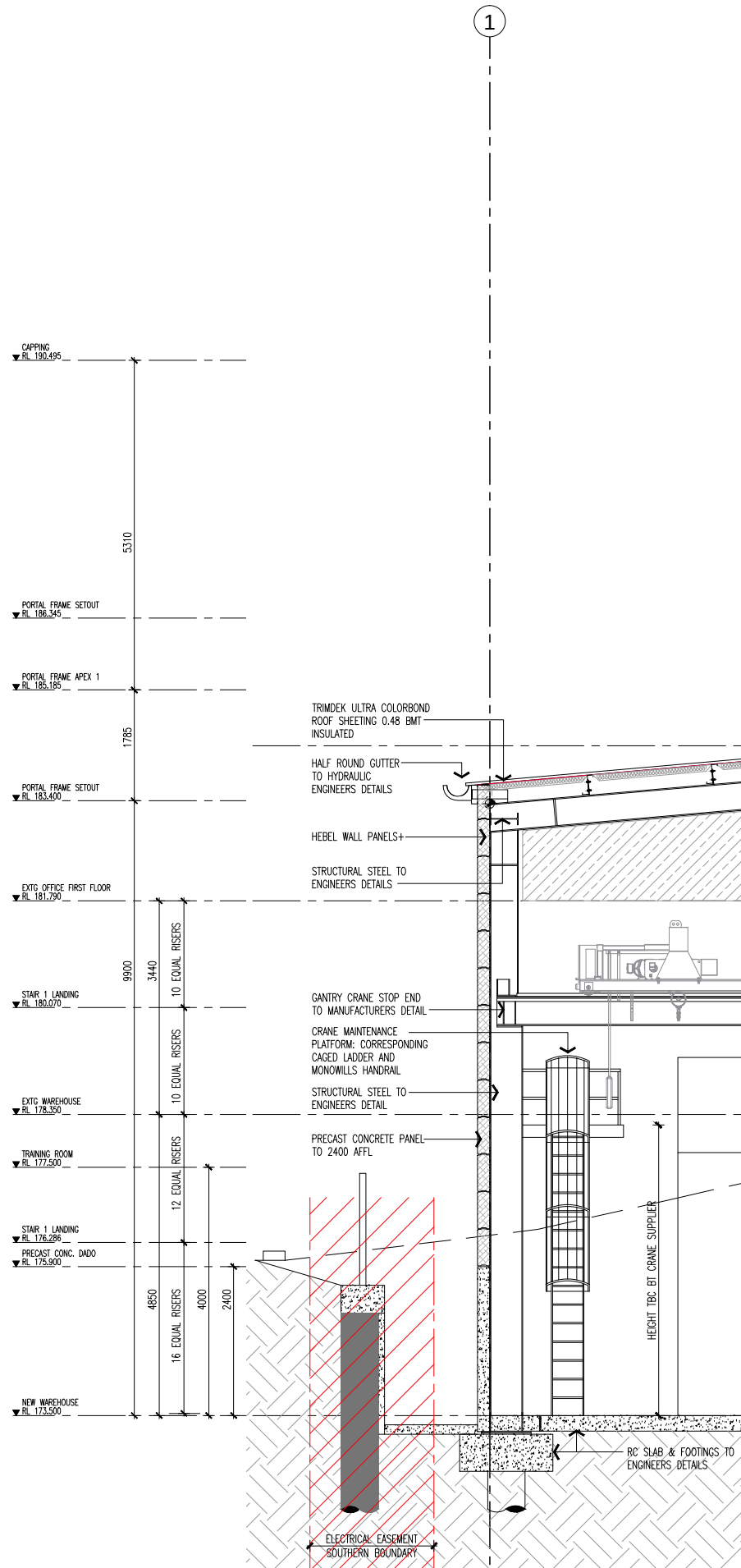
CRAWFORD ARCHITECTS PTY LTD
Suite 94 Jones Bay Wharf Pirrama Road
Pymont NSW 2009 Australia
ABN 56 120 779 106
P 02 9660 3644 F 02 9660 3622
E arch@crawford.com.au www.crawford.com.au

CLIENT
CSR HEBEL

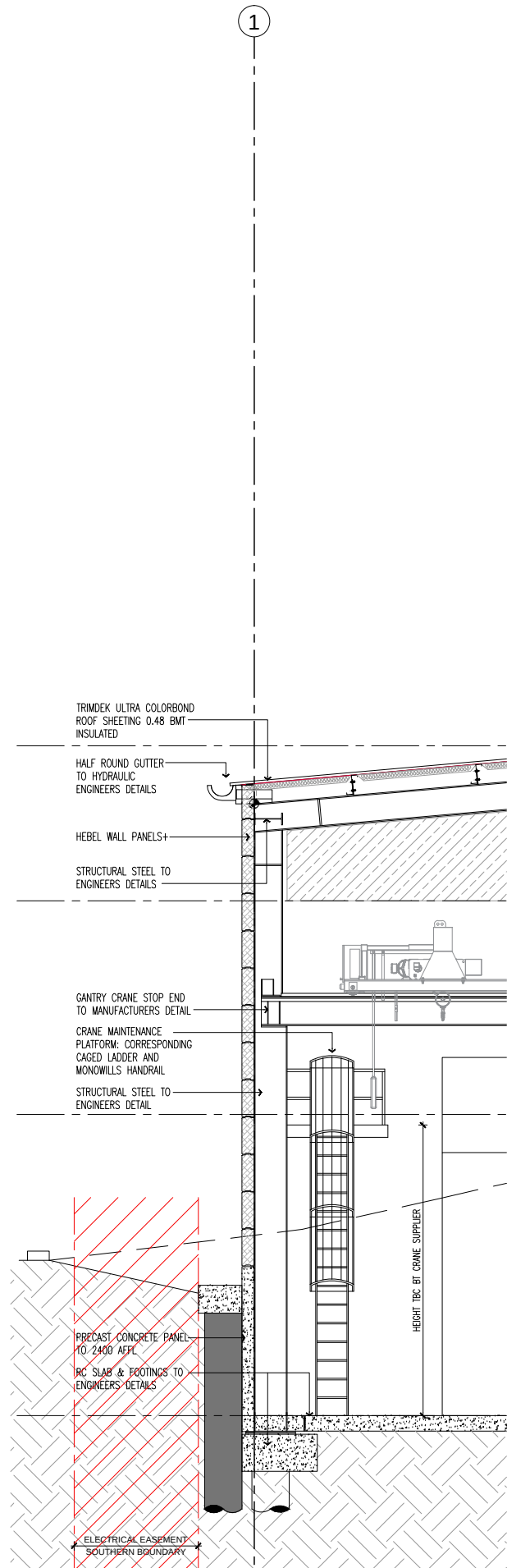
PROJECT
CRS SOMERSBY - LINE 2 EXT
WISEMANS FERRY RD,
SOMERSBY

TITLE
EXISTING APPROVALS AND
PROPOSED DEVELOPMENT

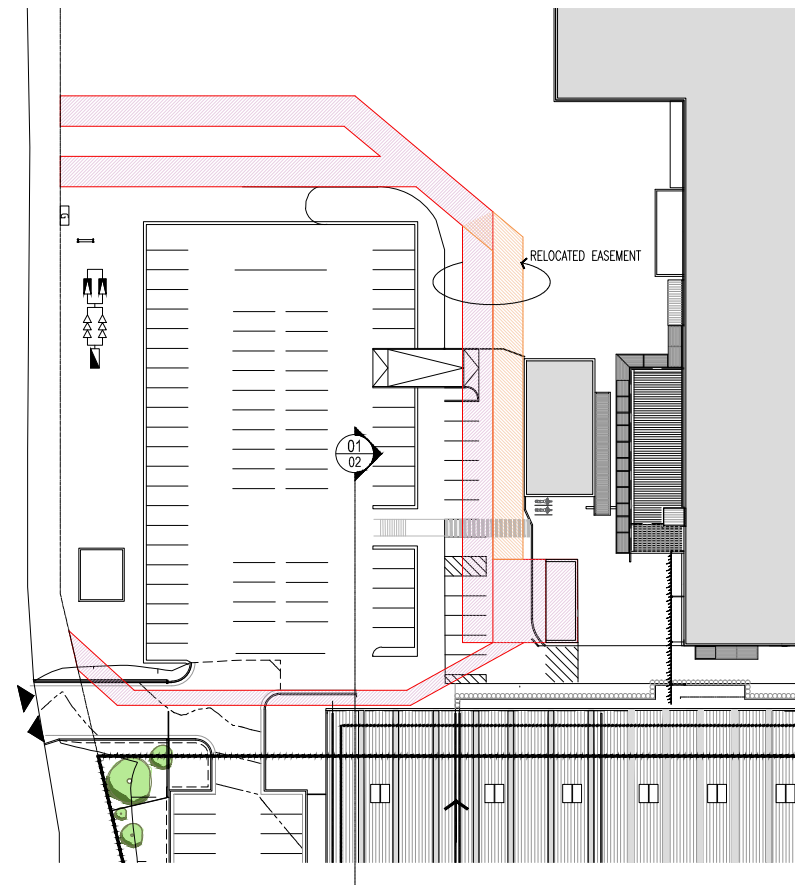
	SCALE 1:1000 @ A1 or 1:2000 @ A3	DATE APR 2016
DRAWN HH / PAS	CHECKED PG	
CAD FILE K:\15094\DWG	APPROVED PG	
PROJECT NUMBER 15094	DRAWING NUMBER A201	ISSUE A



01 WALL SECTION OPTION 1 - TENDER DOCS
SCALE 1:50



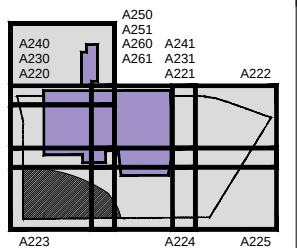
02 WALL SECTION OPTION 2 - CONTIGUOUS PILE RELOCATED
SCALE 1:50



03 EASMENT OPTIONS PLAN
SCALE 1:500

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KEY PLAN



03	2017.02.02	REVISED ISSUE
02	2017.02.01	REVISED ISSUE
01	2017.01.30	CLIENT AND CONSULTANT ISSUE
ISSUE	DATE	AMENDMENTS



CRAWFORD ARCHITECTS PTY LTD
Suite 94 Jones Bay Wharf, Pirrama Road
Pyrmont NSW 2009 Australia
ABN 56 120 779 106
P 02 9660 3644 F 02 9660 3622
E arch@crawford.com.au www.crawford.com.au

CLIENT
CSR HEBEL

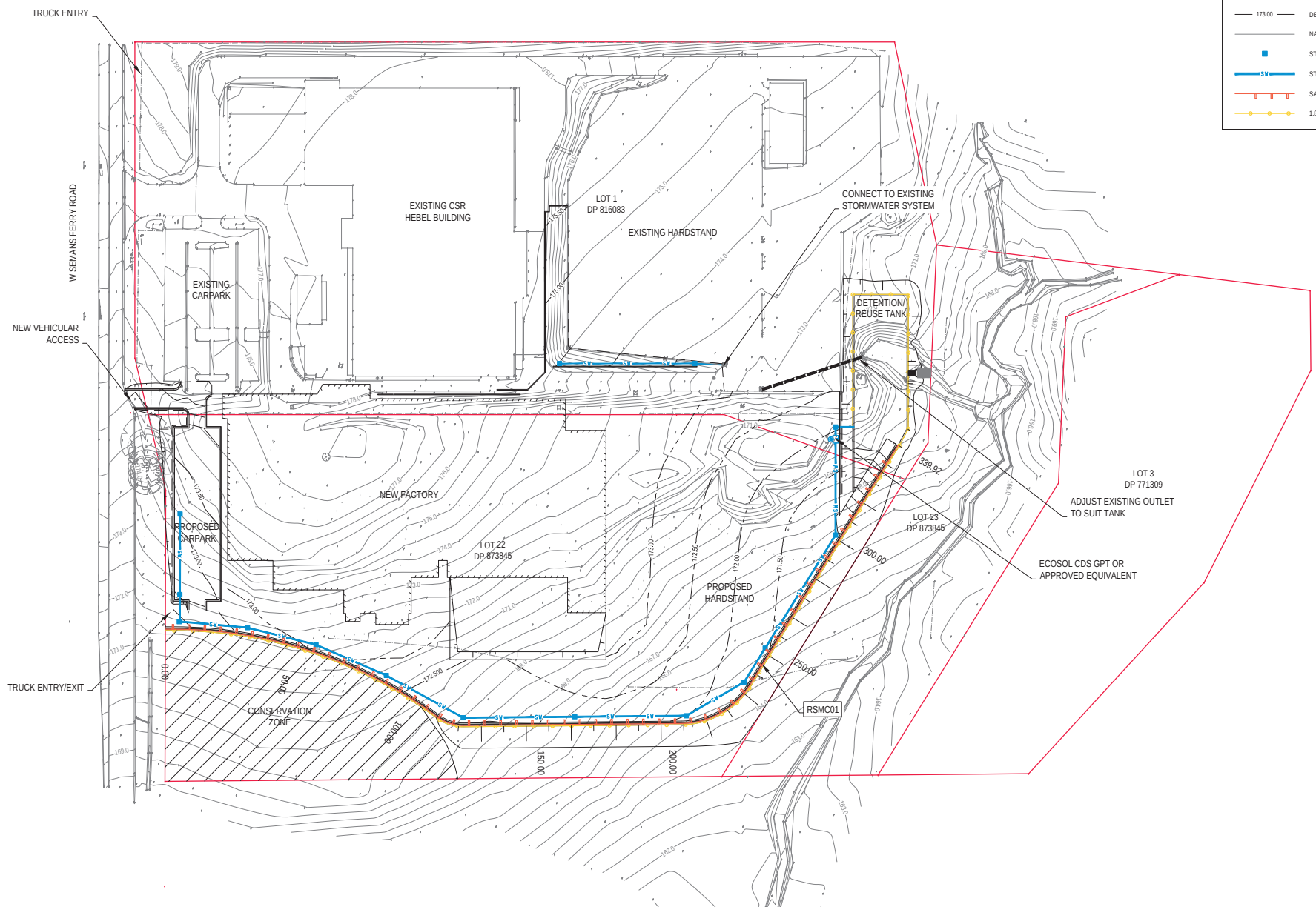
PROJECT
CSR SOMERSBY - LINE 2 EXT
WISEMANS FERRY RD,
SOMERSBY

TITLE
SITE PLAN & WALL SECTIONS:
EASMENT LOCATIONS

SCALE AS SHOWN	DATE FEB 2017
DRAWN HH / PAS	CHECKED PG
CAD FILE K:115094.DWG	APPROVED PG
PROJECT NUMBER 15094	DRAWING NUMBER A612
	ISSUE 03



LEGEND	
	DESIGN CONTOURS
	NATURAL CONTOURS
	STORMWATER PIT
	STORMWATER PIPE
	SAFETY BARRIER
	1.8m CHAINWIRE FENCE



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NOT FOR CONSTRUCTION

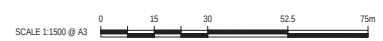


ACOR Consultants (NSW) Pty Ltd
Level 1, 54 Union Street
Cooks Hill, Newcastle NSW 2300
T +61 2 4926 4811



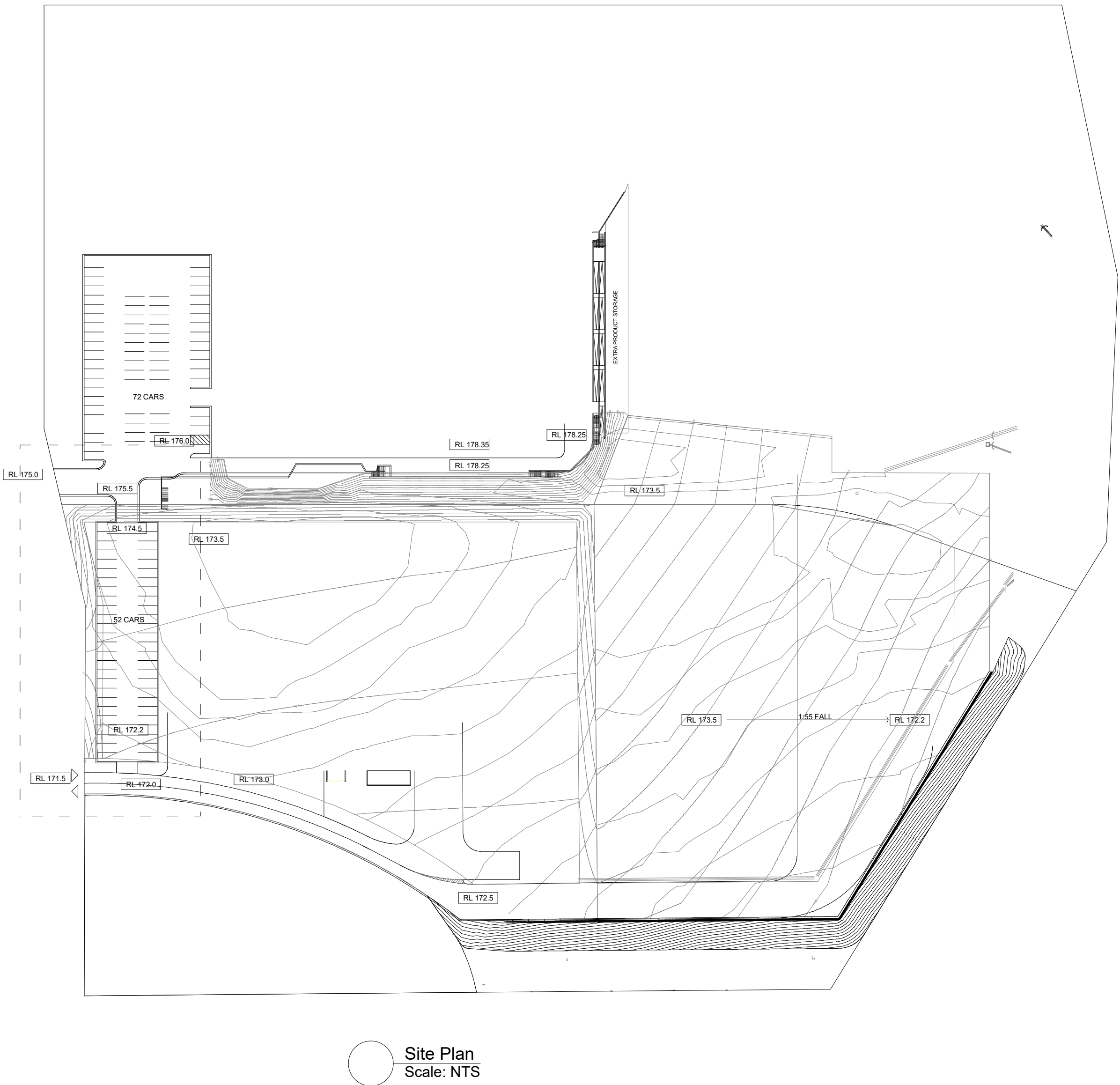
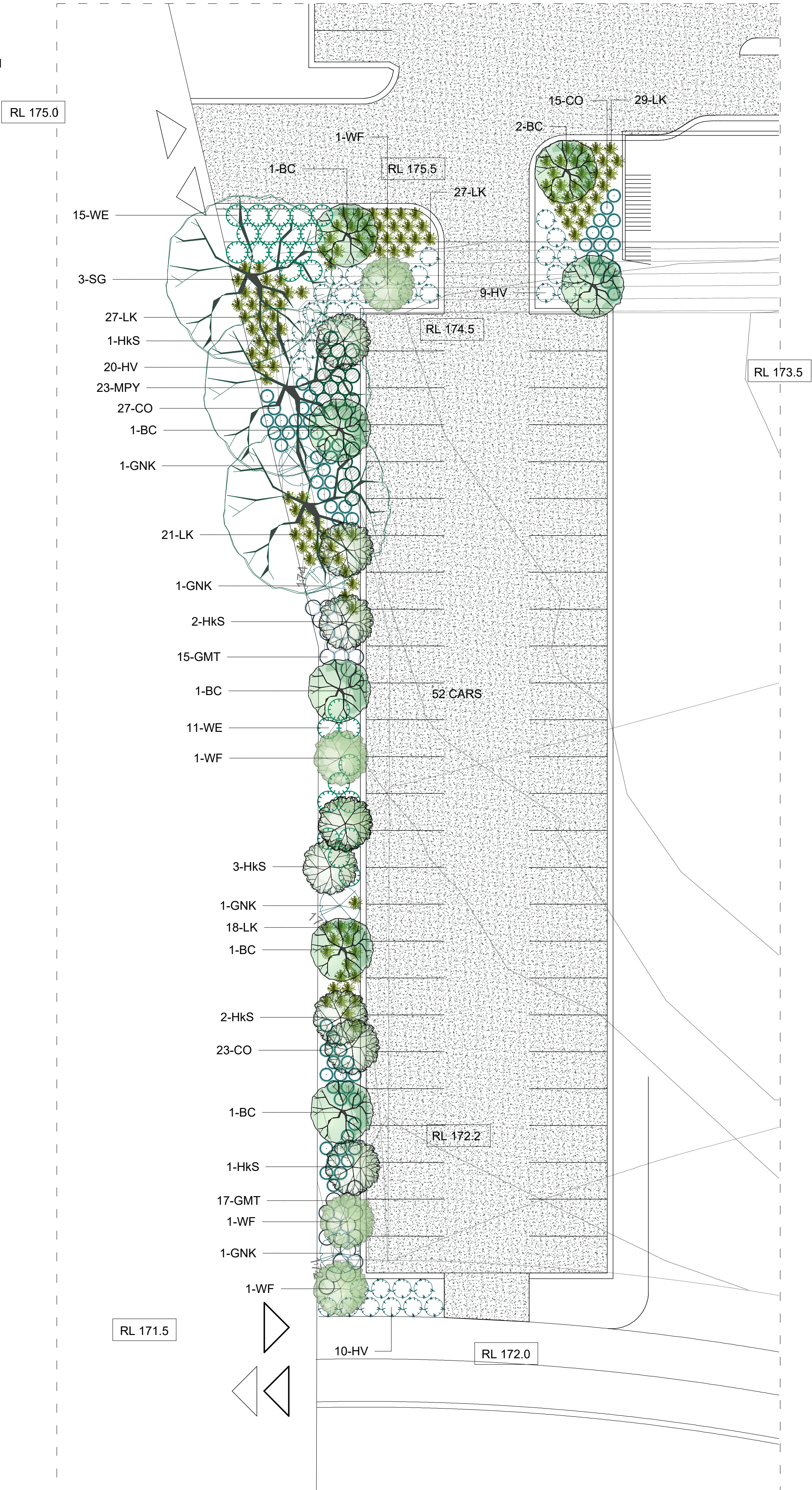
ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Drawing Title STORMWATER MANAGEMENT PLAN		Project No. NE160073	Scale 1:1500 @ A3	Figure No. FIGURE 14	Issue B
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Legend

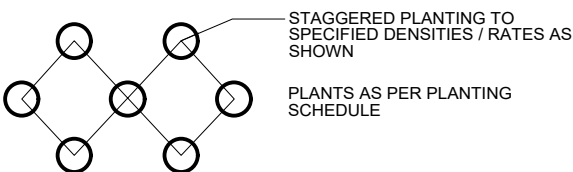
Concrete Hardstand



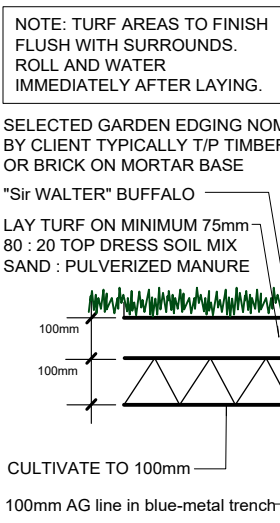
Plant List

ID	Botanical Name	Common Name	Pot Size	Mature Height	Mature Spread	Qty
Trees						
BC	Buckinghamia celissima	Ivory Curl Tree	45L	6 - 8m	3.5 - 6m	7
HKS	Hakea salicifolia	Willow Leaved Hakea	25L	4-8m	6m	9
SG	Syncarpia glomulifera	Turpentine	45L	25m	12m	3
WF	Waterhousia floribunda	Weeping Lilly Pilly	45L	5 - 10m	3.5 - 6m	4
Shrubs						
CO	Correa alba	Correa alba	200mm	1m	1m	65
GNK	Grevillea 'Ned Kelly'	Grevillea	200mm	1.5 - 3m	1.2 - 2.0m	4
GMT	Grevillea 'Mt Tamboritha'	Woolly Grevillea	140mm	0.3 - 0.45m	1.2 - 2.0m	32
WE	Westringia fruticosa	Coastal Rosemary	200mm	1.5m	1.5m	26
Ground Covers						
MPY	Myoporum parvifolium 'Yareena'	Creeping Boobialla	140mm	0.6m	1m	23
Grasses						
LK	Lomandra longifolia 'Katrinus'	Katrinus Mat-Rush	140mm	0.75 - 0.9m	0.9 - 1.2m	122
Climbers						
HV	Hardenbergia violacea	False Sarsaparilla	140mm	0.3 - 0.45m	2 - 3m	39

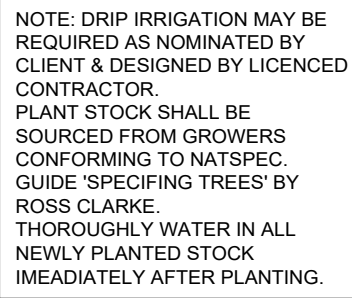
Planting Setout



Planting Setout n.t.s



TypicalTurf and Garden Preparation and planting detail Scale: NTS



Scale 1:200

CSR HEBEL

Proposed Industrial Development
WISEMANS FERRY ROAD
SOMERSBY

Landscape Plan- Ground Floor

Date: APRIL 2016

Scale: 1:200 @ A1

Drawn by: Lubov Pan

BLARCH (UNSW)

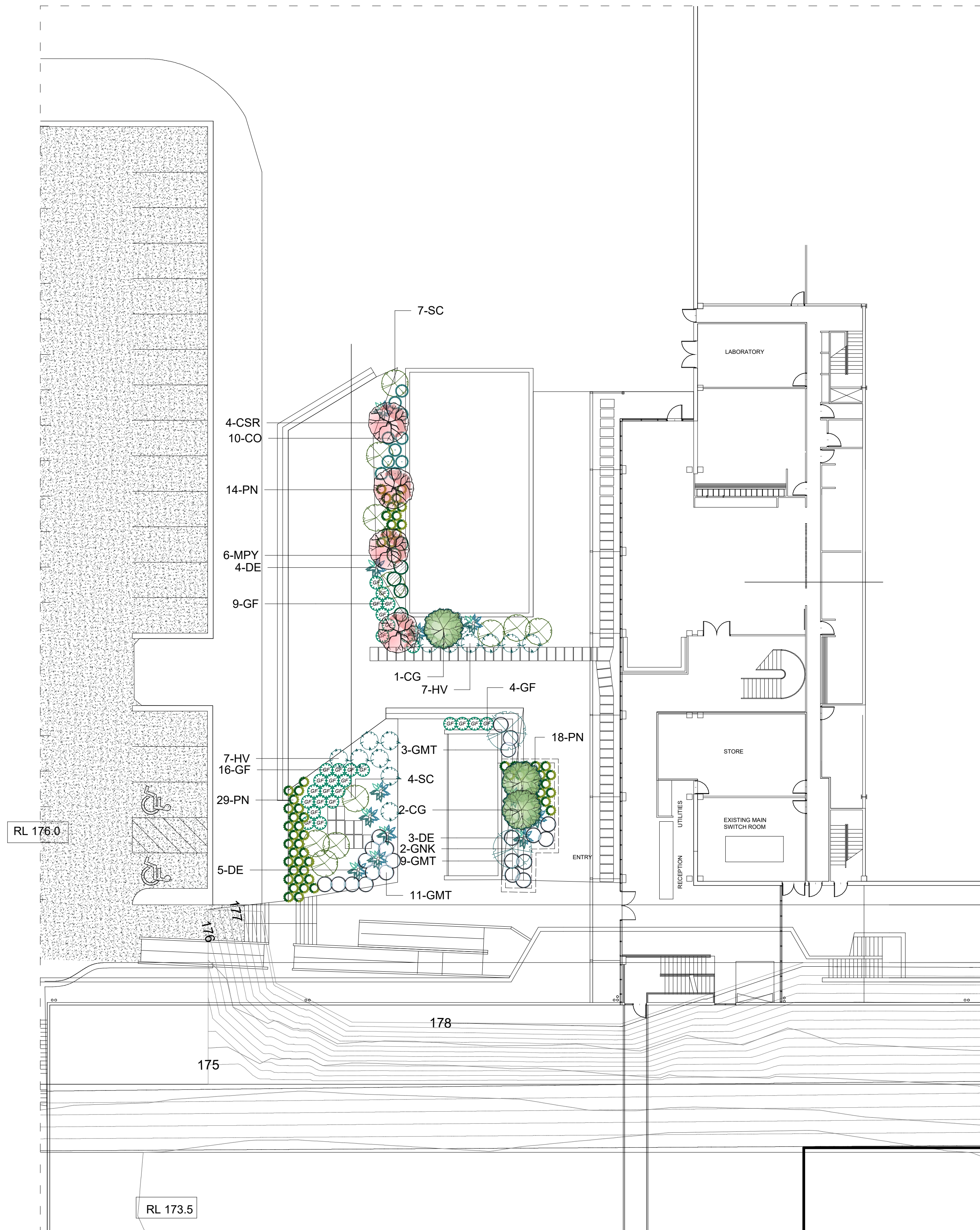
US 60475 LP.01A

FORUM URBAN SANCTUM

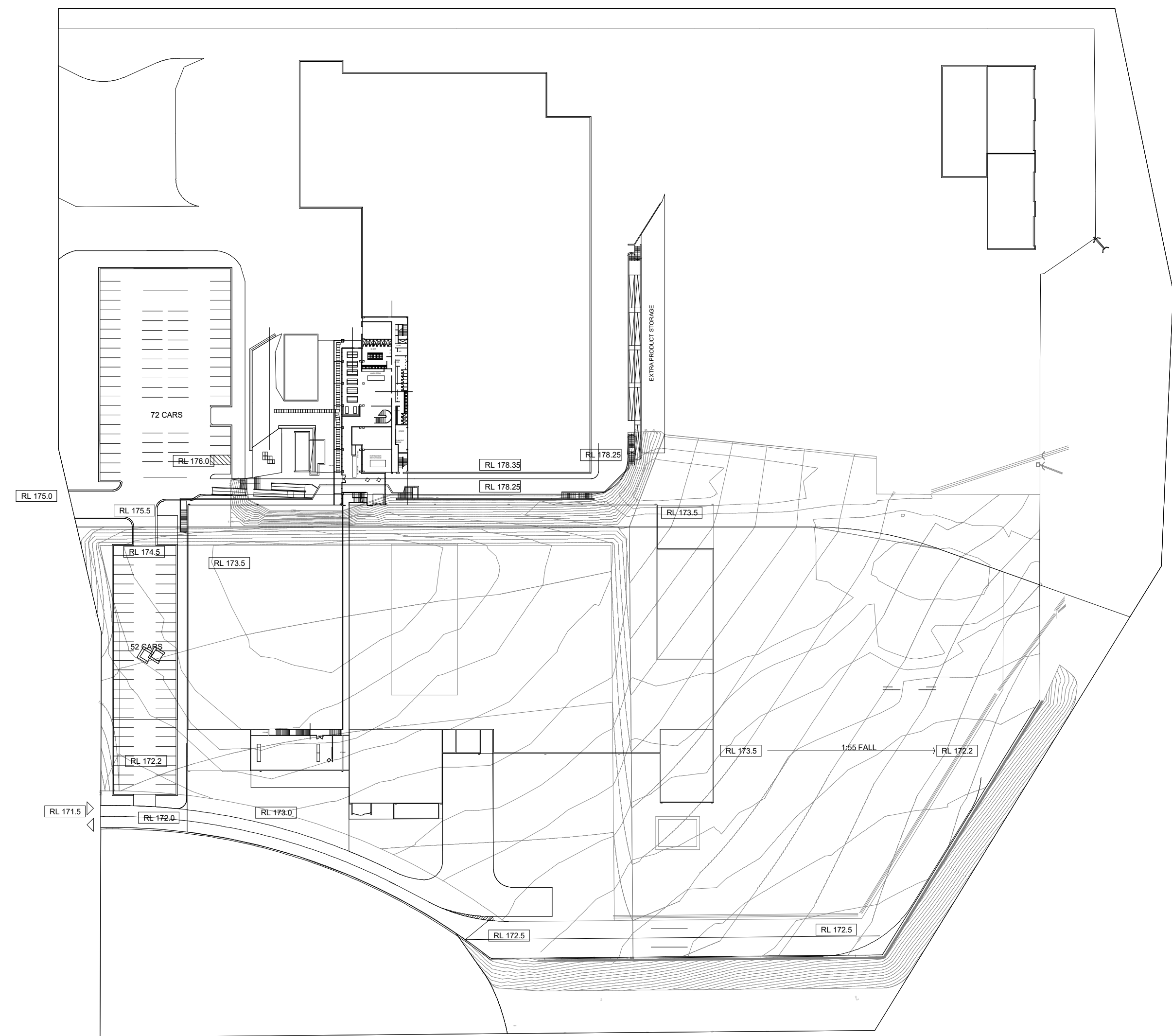
PO BOX 261 | 67 MACMURDO ST | MARYVILLE | NSW 2203
T: 02 4961 4980 | F: 02 4969 1282 | E: admin@forumengs.com.au
A.B.N. 48 157 853 677

Legend

Concrete Hardstand/ Carpark



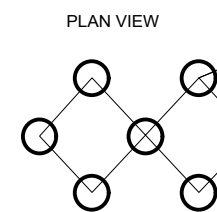
Landscape Plan
Scale: 1:200



Site Plan
Scale: NTS

Plant List

ID	Botanical Name	Common Name	Pot Size	Mature Height	Mature Spread	Qty
Trees						
CG	Ceratopetalum gummiferum	NSW Christmas Bush	45L	1.5 - 3m	0.9 - 1.2m	3
CSR	Corymbia ficifolia 'Summer Red'	Summer Red	75L	4-5m	3m	4
Shrubs						
GNK	Grevillea 'Ned Kelly'	Grevillea	200mm	1.5 - 3m	1.2 - 2.0m	2
SC	Syzygium 'Cascade'	Cascade	200mm	2 - 3m	2m	11
Ground Covers						
Grasses						
Climbers						



STAGGERED PLANTING TO SPECIFIED DENSITIES RATES AS SHOWN
PLANTS AS PER PLANTING SCHEDULE

Planting Setout n.t.s

NOTE: TURF AREAS TO FINISH FLUSH WITH SURROUNDS. ROLL AND WATER IMMEDIATELY AFTER LAYING.

SELECTED GARDEN EDGING NOM. BY CLIENT TYPICALLY TYP. TIMBER OR BRICK ON MORTAR BASE "SI WALTER" BUFFALO

LAY TURF ON MINIMUM 75mm 80 - 20 TOP DRESS SOIL MIX SAND - PULVERIZED MANURE

CULTIVATE TO 100mm 100mm AG line in blue-metal trench

NOTE: DRIP IRRIGATION MAY BE REQUIRED AS NOMINATED BY CLIENT & DESIGNED BY LICENCED CONTRACTOR

PLANT STOCK SHALL BE SOURCED FROM GROWERS CONFORMING TO NATSPEC. GUIDE 'SPECIFYING TREES' BY ROSS CLARKE.

THOROUGHLY WATER IN ALL NEWLY PLANTED STOCK IMMEDIATELY AFTER PLANTING.

SELECTED PLANT INCLUDING ALL TREES, SHRUBS AND GROUND COVERS. QUALITY OF PLANT TO BE APPROVED BY PROJECT MANAGER OR LANDSCAPE ARCHITECT. IN GENERAL TREES TO BE FREESTANDING WITHOUT REQUIRING STAKING

SOIL MIX: SOIL TO GARDEN BEDS TO BE UP TO 50% OF STOCKPILED SITE TOPSOIL. TOPSOIL TO BE FREE FROM ALL BUILDERS RUBBISH AND DELETERIOUS MATERIALS. TOPSOIL TO BE MIXED WITH MINIMUM 50% IMPORTED GARDEN MIX OR SOIL CONDITIONER. COMPOSTED ORGANIC MATTER. SEE SPEC.

BETWEEN 50 - 75mm OF FOREST FINES MULCH OR EQUIVALENT

SUBSOIL CULTIVATED/RIPPED TO 100mm

SPECIFIED PLANTING & POT SIZE

SOIL MIX BLEND MIN. 300mm

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