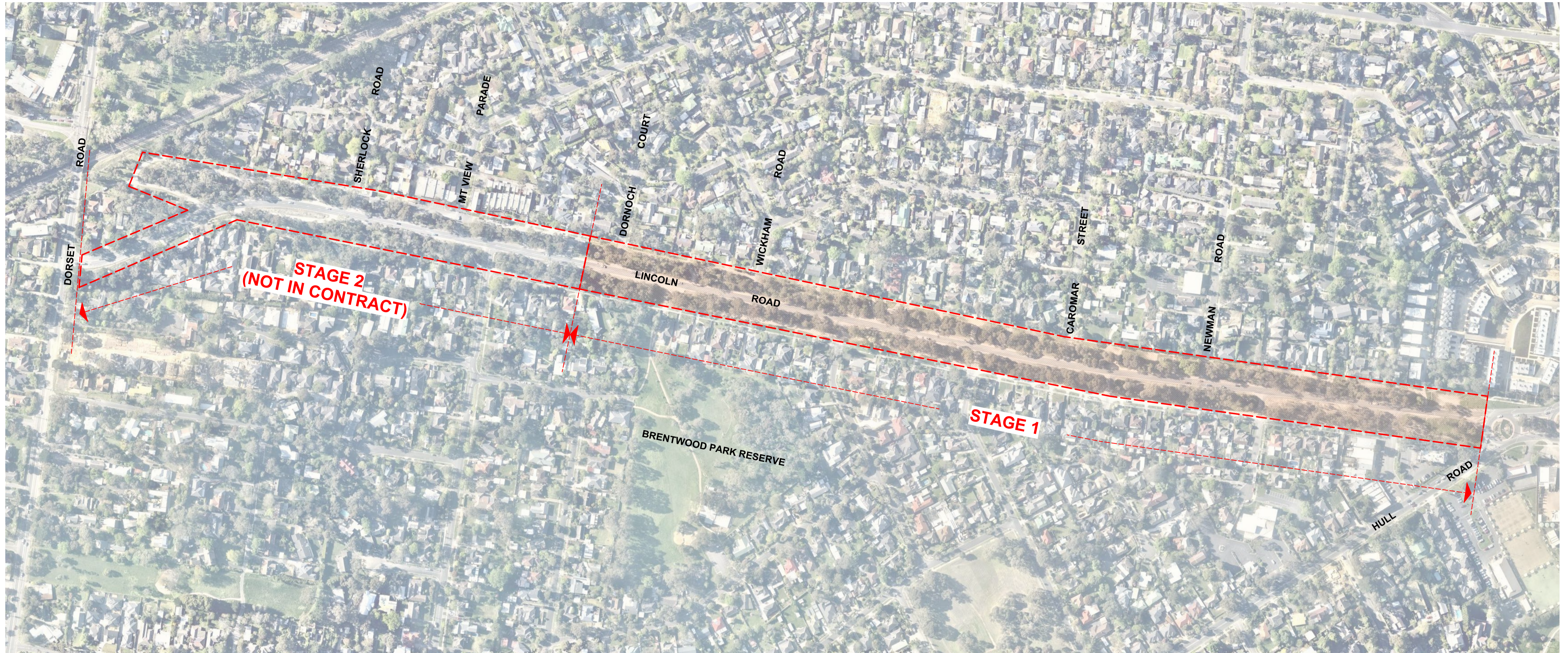


# Lincoln Road Integrated WSUD Streetscape Redesign - Stage 1

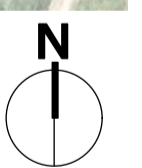
PRELIMINARY DETAIL DESIGN 12th May, 2017

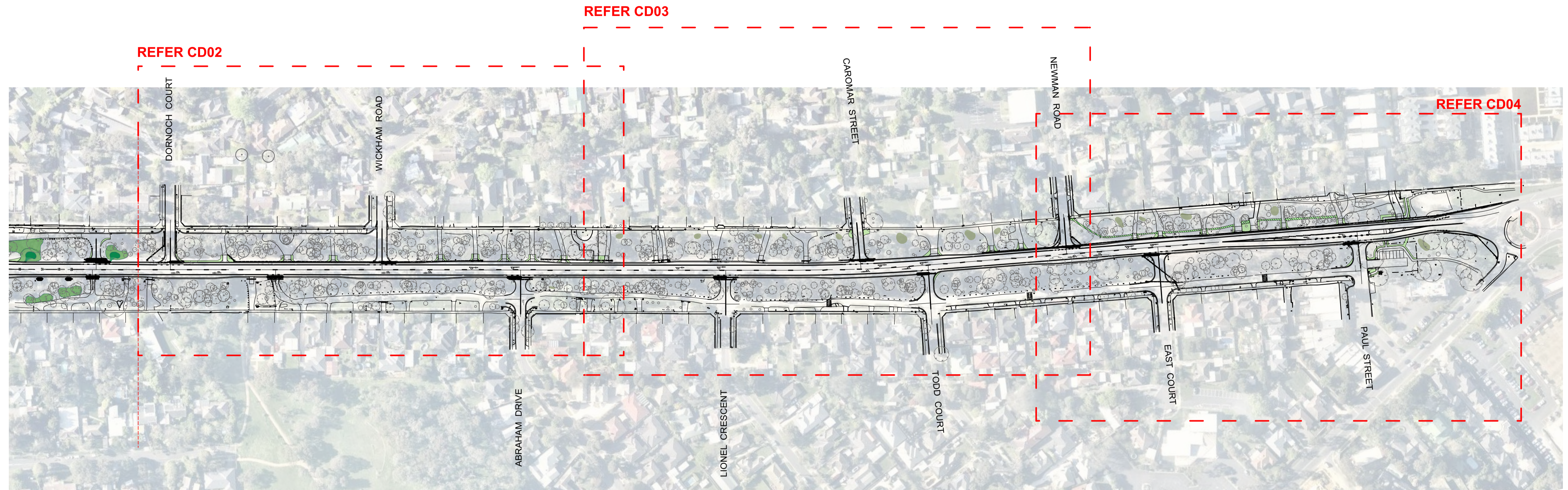
Lincoln Road, Croydon VIC 3136, Australia



## SCHEDULE OF DRAWINGS

CD00	Cover Sheet	CD04	Landscape Plan 03
CD01	Landscape Key Plan	CD05	Planting Plan 01
CD02	Landscape Plan 01	CD06	Planting Plan 02
CD03	Landscape Plan 02	CD07	Planting and Details

SITE PLAN N.T.S. 



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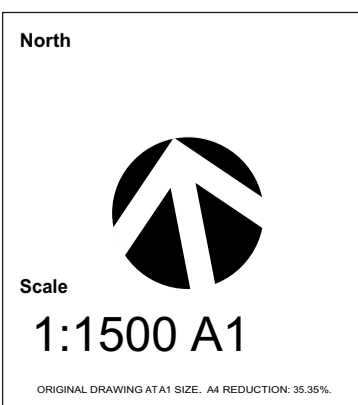
Client  
**Maroondah City Council**

Consultants

No.	Date	REVISION	By
A	25/6/18	Amendments as required to conform to Maroondah CC Permit Conditions dated 08.06.2018	TB

No.	Date	ISSUE	By
2	12/5/17	PRELIMINARY DETAIL DESIGN	JH/YZ
1	2/2/17	FUNCTIONAL DESIGN	JH/YZ



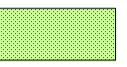

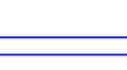

Dwg Date: 12/05/17  
 Plot Date: 7/8/18  
 Drawn By: YZ  
 Checked By: TH  
 CAD File Name: Lincoln Road WSUD Functional Design Stage 1 v2018.wvx

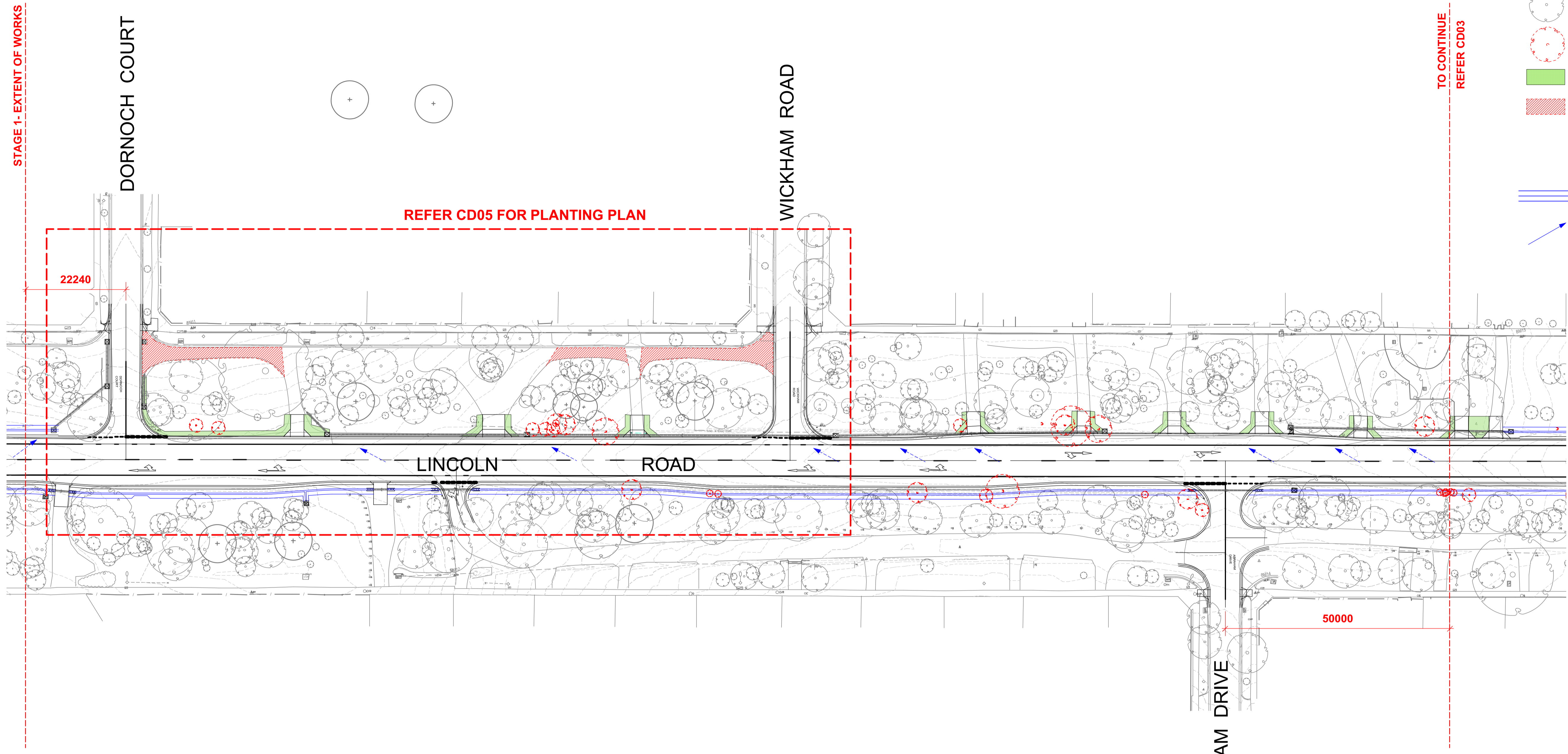


Project No.  
**16037**  
**Lincoln Rd Streetscape Redesign - Stage 1**  
 Lincoln Road, Croydon

Drawing No.	Rev #	Status
<b>CD01</b>	OF	A

Drawing Name:  
**Landscape Key Plan**

- KEY**
-  Existing Tree (RETAINED)
  -  Existing Tree (REMOVED)
  -  New grass/make good grass  
Refer detail 02/CD08
  -  Remove existing gravel  
surface and excavate to  
required depth for new  
garden bed and cultivate  
topsoil as specified. Refer  
detail 01/CD08
  -  Swale/Table Drain  
Refer to Engineer's detail
  -  Direction of flow



**NOTE:**

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ENSURE WEED FREE SEED BED PRIOR TO SOWING. IDEAL SOWING RATE IS 5-10KG/HA. IDEAL SOWING TIME SPRING OR AUTUMN. DO NOT INSTALL SEED IN UNSUITABLE WEATHER CONDITIONS SUCH AS EXTREME HEAT, COLD, WIND, RAIN OR DURING FROST PERIODS.

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RETAIN SOME SECTIONS OF TREES TO BE REMOVED FOR USE AS HABITAT LOGS. LARGE DIAMETER TRUNKS & BRANCHES (>30CM DIA) TO BE USED, PARTICULARLY THOSE WITH EVIDENCE OF DECAY, HOLLOWES OR OTHER PHYSICAL DEFECTS.



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2	12/5/17	PRELIMINARY DETAIL DESIGN	JH/YZ
1	2/2/17	FUNCTIONAL DESIGN	JH/YZ

Dwg Date: 12/05/17  
 Plot Date: 7/8/18  
 Drawn By: YZ  
 Checked By: TH  
 CAD File Name: Lincoln Road WSUD Functional Design Stage 1-v2018.wxw

North





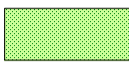

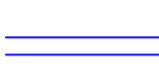

Scale  
**1:500 A1**

Project No.  
**16037**  
**Lincoln Rd Streetscape Redesign - Stage 1**  
 Lincoln Road, Croydon

Drawing No.	Rev #	Status
<b>CD02</b>	OF	A

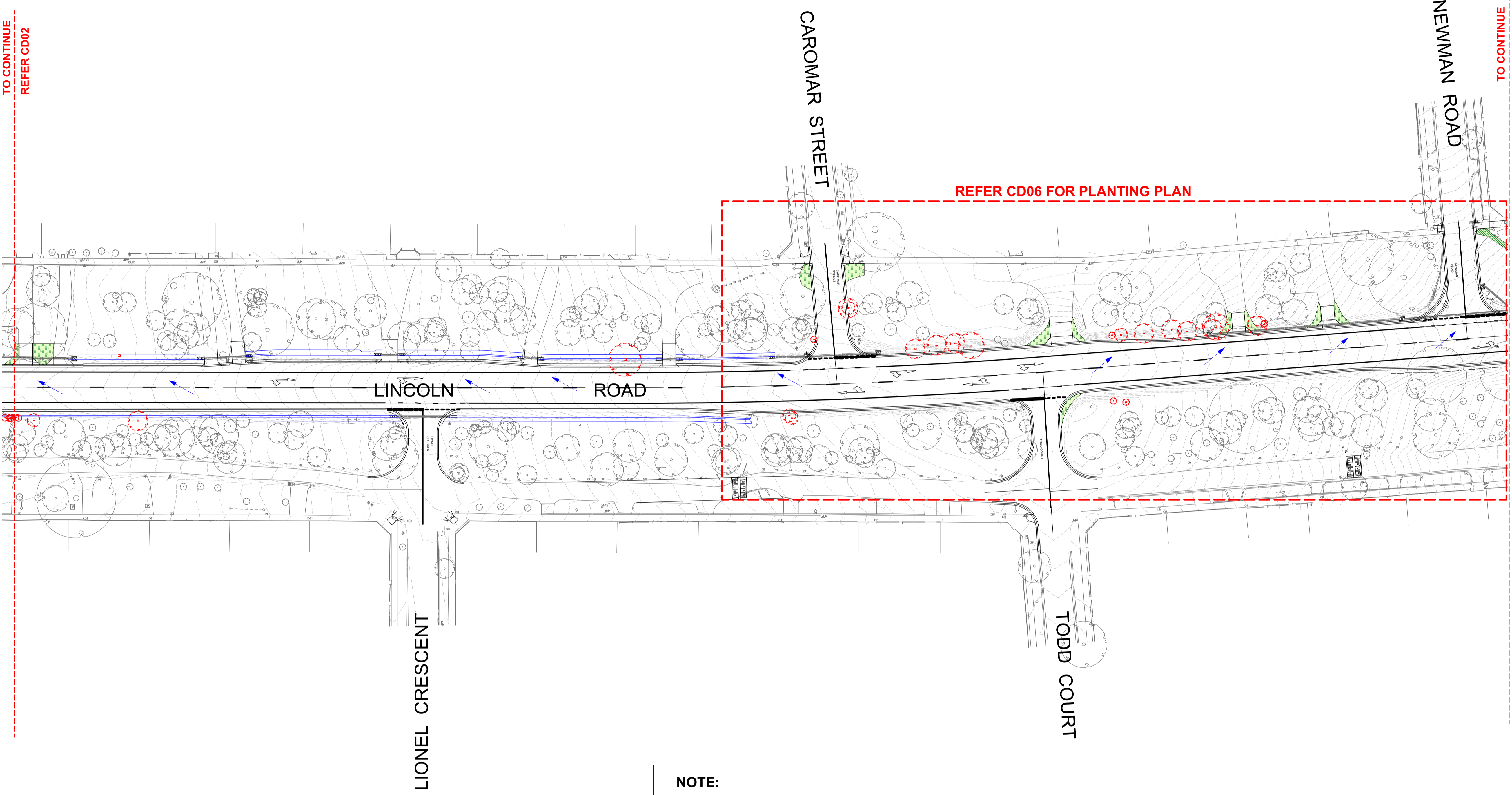
Drawing Name:  
**Landscape Plan 01**

**KEY**

-  Existing Tree (RETAINED)
-  Existing Tree (REMOVED)
-  New grass/make good grass  
Refer detail 02/CD08
-  Remove existing gravel  
surface and excavate to  
required depth for new  
garden bed and cultivate  
topsoil as specified. Refer  
detail 01/CD08
-  Swale/Table Drain  
Refer to Engineer's detail
-  Direction of flow

TO CONTINUE  
REFER CD02

TO CONTINUE  
REFER CD04



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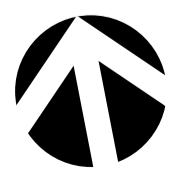
Client  
**Maroondah City Council**

Consultants  
 Notes

No.	Date	REVISION	By
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No.	Date	ISSUE	By
2	12/5/17	PRELIMINARY DETAIL DESIGN	JH/YZ
1	2/2/17	FUNCTIONAL DESIGN	JH/YZ



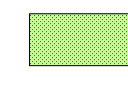

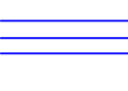


Dwg Date: 12/05/17  
 Plot Date: 7/8/18  
 Drawn By: YZ  
 Checked By: TH  
 CAD File Name: Lincoln Road WSUD Functional Design Stage 1-v2018.wxd

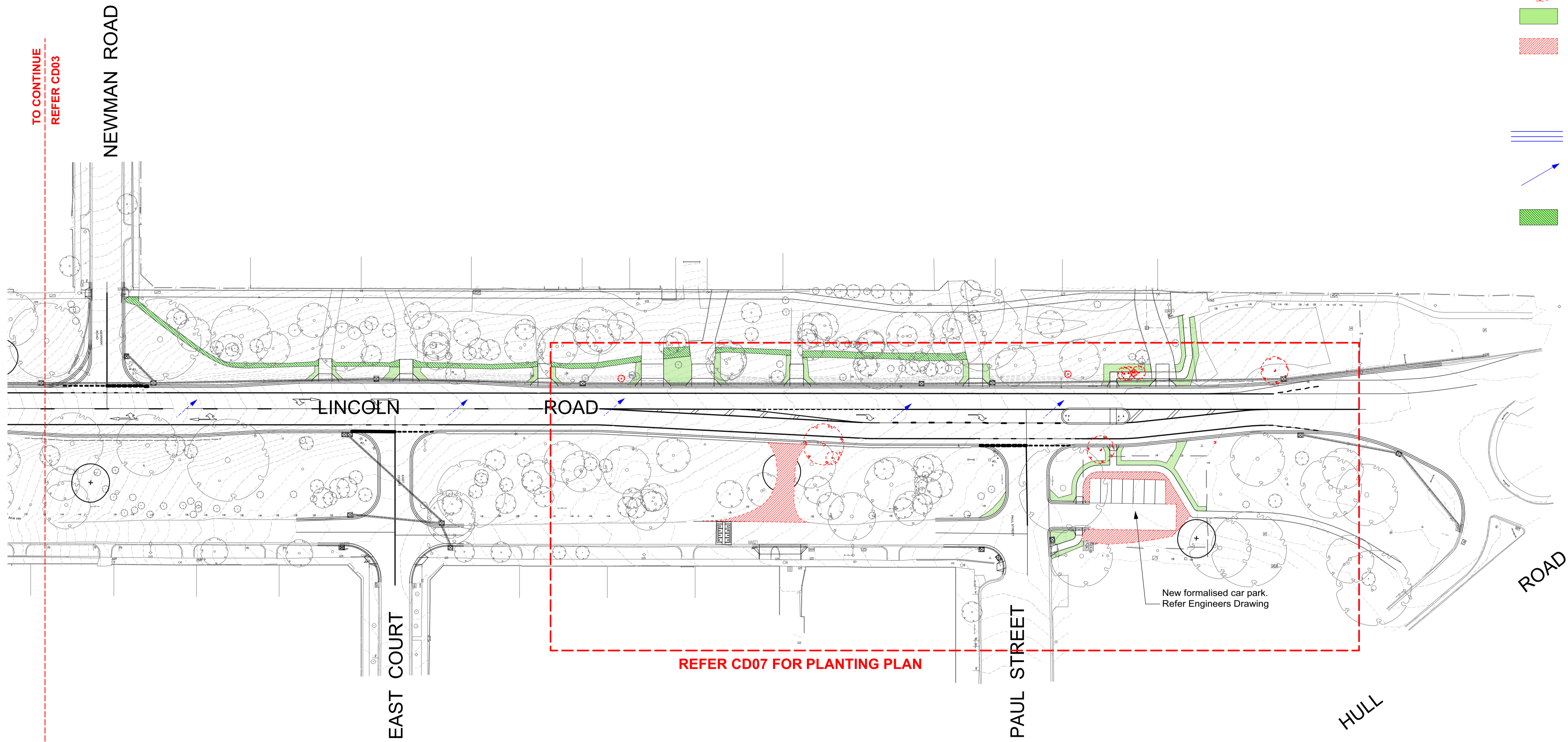
North  
  
 Scale  
**1:500/A1**

Project No.  
**16037**  
**Lincoln Rd Streetscape Redesign - Stage 1**  
 Lincoln Road, Croydon

Drawing No. **CD03** Rev # **OF** Status **A**  
 Drawing Name:  
**Landscape Plan 02**

**KEY**

-  Existing Tree (RETAINED)
-  Existing Tree (REMOVED)
-  New grass/make good grass  
Refer detail 02/CD08
-  Remove existing gravel  
surface and excavate to  
required depth for new  
garden bed and cultivate  
topsoil as specified. Refer  
detail 01/CD08
-  Swale/Table Drain  
Refer to Engineer's detail
-  Direction of flow
-  Remove existing gravel  
path for new grassing  
Refer detail 04/CD08



**NOTE:**

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No.	Date	ISSUE	By
2	12/5/17	PRELIMINARY DETAIL DESIGN	JH/YZ
1	2/2/17	FUNCTIONAL DESIGN	JH/YZ

Dwg Date: 12/05/17  
 Plot Date: 7/8/18  
 Drawn By: YZ  
 Checked By: TH  
 CAD File Name: Lincoln Road WSUD Functional Design Stage 1-v2018.wvx

North



Scale  
**1:500/A1**

Project No.  
**16037**  
**Lincoln Rd Streetscape Redesign - Stage 1**  
 Lincoln Road, Croydon

Drawing No.	Rev #	Status
<b>CD04</b>	OF	A

Drawing Name:  
**Landscape Plan 03**

**MANAGEMENT / CULTIVATION NOTES**

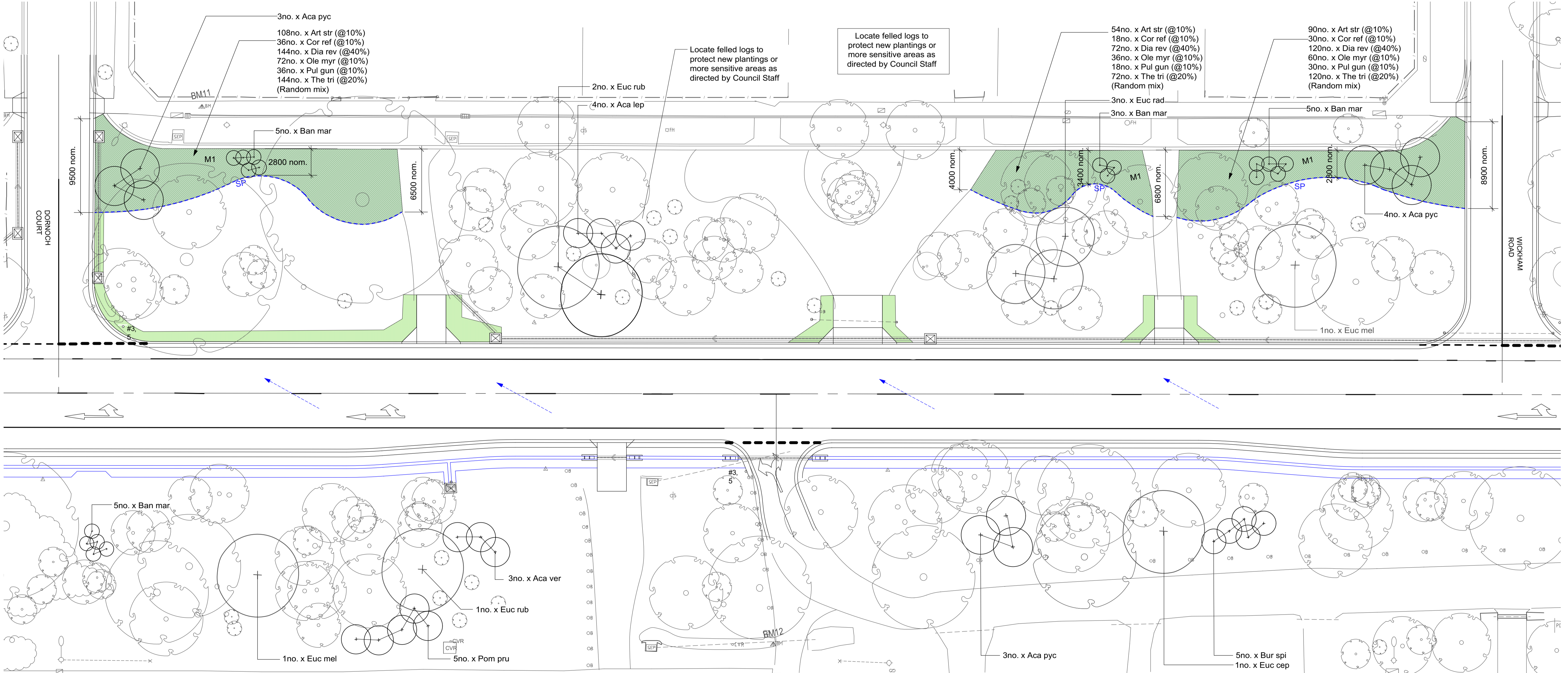
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 - REGENERATION METHODS AND TIMING TO ENCOURAGE SPECIES DIVERSITY (E.G. TIMED SLASHING POST FRUIT SET OF INDIGENOUS GRASSES & HERBS, TIMING OF HERBICIDES FOR TARGET WEED SPECIES)  
 - STRATEGIES TO PROTECT SENSITIVE REMNANT PATCHES THROUGH EITHER THE USE OF FELLED LOG MATERIALS OR STRATEGIC PLANTINGS  
 - A MANAGEMENT TIMEFRAME AND DETAILED SCHEDULE OF WORKS FOR THE ESTABLISHMENT OF PLANTINGS AND REHABILITATION OF REMNANT VEGETATION PATCHES, NOTING IN PARTICULAR THAT THE SITE REHABILITATION WORKS ARE TO BE COMPLETED TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY WITHIN A TIMEFRAME OF 5-YEARS.

**GRASS SEEDING NOTE:**

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**MAROONDAH PLANNING SCHEME**  
 This Amended Landscape Plan referred to in Planning Permit M/2018/21 is hereby approved.  
 Officer: Roger Lord  
 Date: 05/09/18 Sheet: 6 of 9

- KEY**
- Existing Tree (RETAINED)
  - Swale/Table Drain Refer to Engineer's detail
  - Direction of flow
  - Remove existing gravel path for new grassing Refer detail 04/CD08
  - Make good grass Refer detail 02/CD08
  - Revegetation Zone
  - SP Spade edge Refer detail 03/CD08



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**Client**  
 Maroondah City Council

**Consultants**

No.	Date	REVISION	By
B	7/8/18	Amendments as required to conform to Maroondah CC Permit Amendments dated 26.07.2018	TB
A	25/6/18	Amendments as required to conform to Maroondah CC Permit Conditions dated 08.06.2018	TB

No.	Date	ISSUE	By
2	12/5/17	PRELIMINARY DETAIL DESIGN	YZ
1	2/2/17	FUNCTIONAL DESIGN	JH/YZ

Dwg Date: 12/05/17  
 Plot Date: 7/8/18  
 Drawn By: YZ  
 Checked By: TH  
 CAD File Name: Lincoln Road WSUD Functional Design Stage 1-v2018.wxd

North  
  
 Scale  
 1:200 A1

Project No.  
**16037**  
**Lincoln Rd Streetscape Redesign - Stage 1**  
 Lincoln Road, Croydon

Drawing No.	Rev #	OF	Status
CD05		OF	A

Drawing Name:  
**Planting Plan 01**

**MANAGEMENT / CULTIVATION NOTES**

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- REGENERATION METHODS AND TIMING TO ENCOURAGE SPECIES DIVERSITY (E.G. TIMED SLASHING POST FRUIT SET OF INDIGENOUS GRASSES & HERBS, TIMING OF HERBICIDES FOR TARGET WEED SPECIES)
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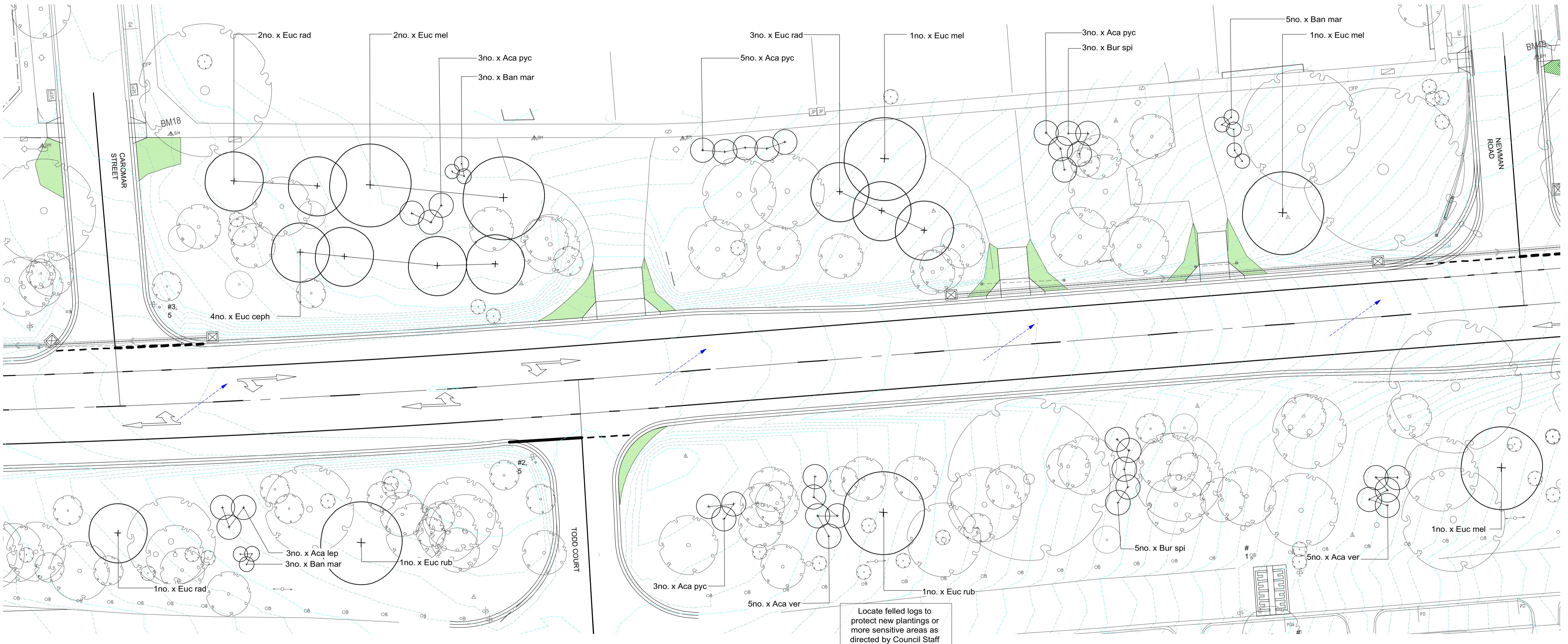
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MAROONDAH PLANNING SCHEME  
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 Officer: Roger Lord  
 Date: 05/09/18 Sheet: 7 of 9

- KEY**
- Existing Tree (RETAINED)
  - New Tree
  - Swale/Table Drain Refer to Engineer's detail
  - Direction of flow
  - Remove existing gravel path for new grassing Refer detail 04/CD08
  - Make good grass Refer detail 02/CD08
  - Revegetation Zone
  - SP Spade edge Refer detail 03/CD08

Locate felled logs to protect new plantings or more sensitive areas as directed by Council Staff



Locate felled logs to protect new plantings or more sensitive areas as directed by Council Staff

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Client  
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Consultants

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B	7/8/18	Amendments as required to conform to Maroondah CC Permit Amendments dated 26.07.2018	TB
A	25/6/18	Amendments as required to conform to Maroondah CC Permit Conditions dated 08.06.2018	TB

No.	Date	ISSUE	By
2	12/5/17	PRELIMINARY DETAIL DESIGN	YZ
1	2/2/17	FUNCTIONAL DESIGN	JH/YZ

Dwg Date: 12/05/17  
 Plot Date: 7/8/18  
 Drawn By: YZ  
 Checked By: TH  
 CAD File Name: Lincoln Road WSUD Functional Design Stage 1-v2018.wxd

North

Scale  
**1:200 A1**

Project No.  
**16037**  
**Lincoln Rd Streetscape Redesign - Stage 1**  
 Lincoln Road, Croydon

Drawing No.	Rev #	Status
<b>CD06</b>	OF	A

Drawing Name:  
**Planting Plan 02**

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CONTRACTOR SHALL INDICATE MANAGEMENT STRATEGIES THAT WILL ENHANCE THE REMNANT VEGETATION PATCHES LOCATED ALONG THE VERGE AREAS, INCLUDING BUT NOT LIMITED TO:  
 - CONTROL OF INVASIVE WEEDS, INCLUDING KIKUYU (CENCHRUS CLANDESTINUM), PARAMATTA GRASS (SPOROBOLUS AFRICANUS), CATERPILLAR GRASS (PASPALUM DILATATUM), WILD-OAT (AVENA FATUA), COCKSFOOT (DACTYLIS GLOMERATA), PANIC VELD-T-GRASS (EHRHARTA ERECTA), CATSEAR (HYPOCHOERIS RADICATA), RIBWORT (PLANTAGO LANCEOLATA), FLEABANE (CONYZA SP.), SOW-THISTLE (SONCHUS OLERACEUS), PHALARIS (PHALARIS AQUATICA), COUCH (CYNODON DACTYLON VAR. DACTYLON), BARLEY GRASS (HORDEUM SPP.), FLAX-LEAF BROOM (GENISTA LINIFOLIA) & BLACKBERRY (RUBUS FRUTICOSUS SPP.) (REFER BIODIVERSITY ASSESSMENT: LINCOLN ROAD, CROYDON - DORSET ROAD TO HULL ROAD (ECOLOGY AND HERITAGE PARTNERS 2018)  
 - REGENERATION METHODS AND TIMING TO ENCOURAGE SPECIES DIVERSITY (E.G. TIMED SLASHING POST FRUIT SET OF INDIGENOUS GRASSES & HERBS, TIMING OF HERBICIDES FOR TARGET WEED SPECIES)  
 - STRATEGIES TO PROTECT SENSITIVE REMNANT PATCHES THROUGH EITHER THE USE OF FELLED LOG MATERIALS OR STRATEGIC PLANTINGS  
 - A MANAGEMENT TIMEFRAME AND DETAILED SCHEDULE OF WORKS FOR THE ESTABLISHMENT OF PLANTINGS AND REHABILITATION OF REMNANT VEGETATION PATCHES, NOTING IN PARTICULAR THAT THE SITE REHABILITATION WORKS ARE TO BE COMPLETED TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY WITHIN A TIMEFRAME OF 5-YEARS.

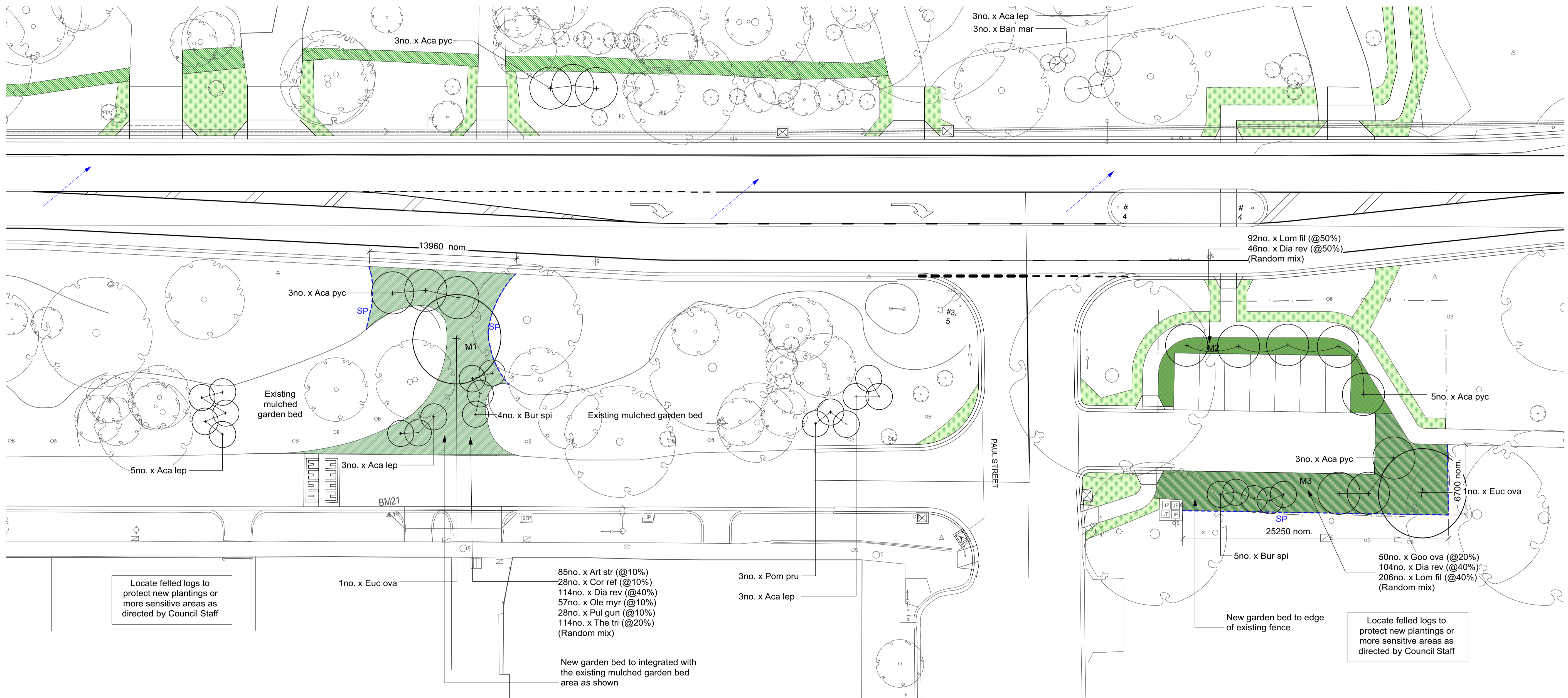
**GRASS SEEDING NOTE:**

CONTRACTOR SHALL ALLOW TO SEED AREAS SHOWN ON THE DRAWINGS AND/OR AREAS DAMAGED BY THE WORKS. NEW GRASSED AREAS (REFER DETAIL 4/CD08) SHALL BE HYDROSEEDED WITH A BINDING AGENT AND HYDROMULCH TO ENCOURAGE GERMINATION.

ENSURE WEED FREE SEED BED PRIOR TO SOWING. IDEAL SOWING RATE IS 5-10KG/HA. IDEAL SOWING TIME SPRING OR AUTUMN. DO NOT INSTALL SEED IN UNSUITABLE WEATHER CONDITIONS SUCH AS EXTREME HEAT, COLD, WIND, RAIN OR DURING FROST PERIODS.

**SUGGESTED SPECIES IS MICROLAENA STIPOIDES, OR OTHER APPROVED INDIGENOUS GRASS WITH LOCAL PROVENANCE SEED. THE GRASS SPECIES SHALL BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO ORDERING AND INSTALLATION.**

- KEY**
- Existing Tree (RETAINED)
  - Swale/Table Drain  
Refer to Engineer's detail
  - Direction of flow
  - Remove existing gravel path for new grassing  
Refer detail 04/CD08
  - Make good grass  
Refer detail 02/CD08
  - Revegetation Zone
  - SP Spade edge  
Refer detail 03/CD08



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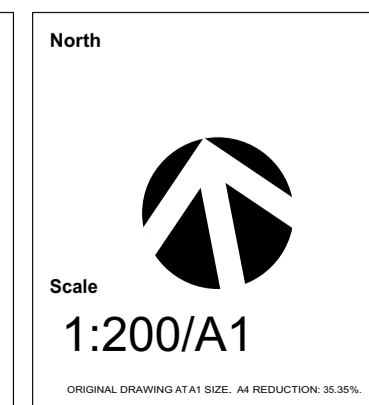
Client	Maroondah City Council
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Consultants	
Notes	

No.	Date	REVISION	By
B	7/8/18	Amendments as required to conform to Maroondah CC Permit Amendments dated 26.07.2018	TB
A	25/6/18	Amendments as required to conform to Maroondah CC Permit Conditions dated 08.06.2018	TB

No.	Date	ISSUE	By
2	12/5/17	PRELIMINARY DETAIL DESIGN	YZ
1	2/2/17	FUNCTIONAL DESIGN	JH/YZ

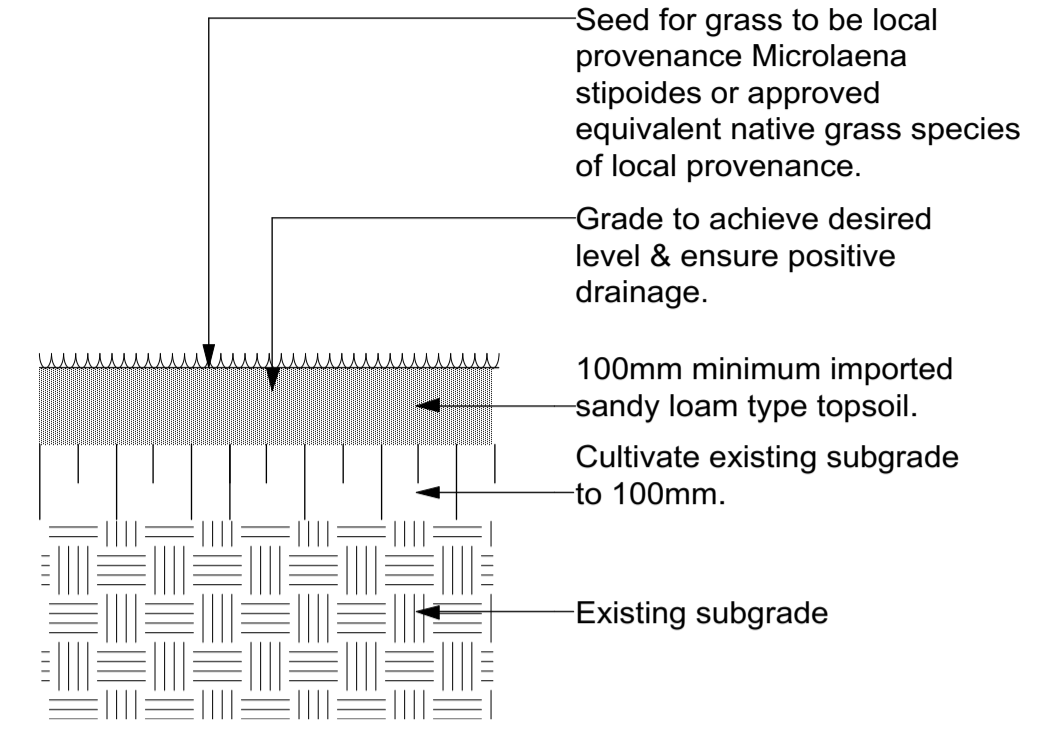
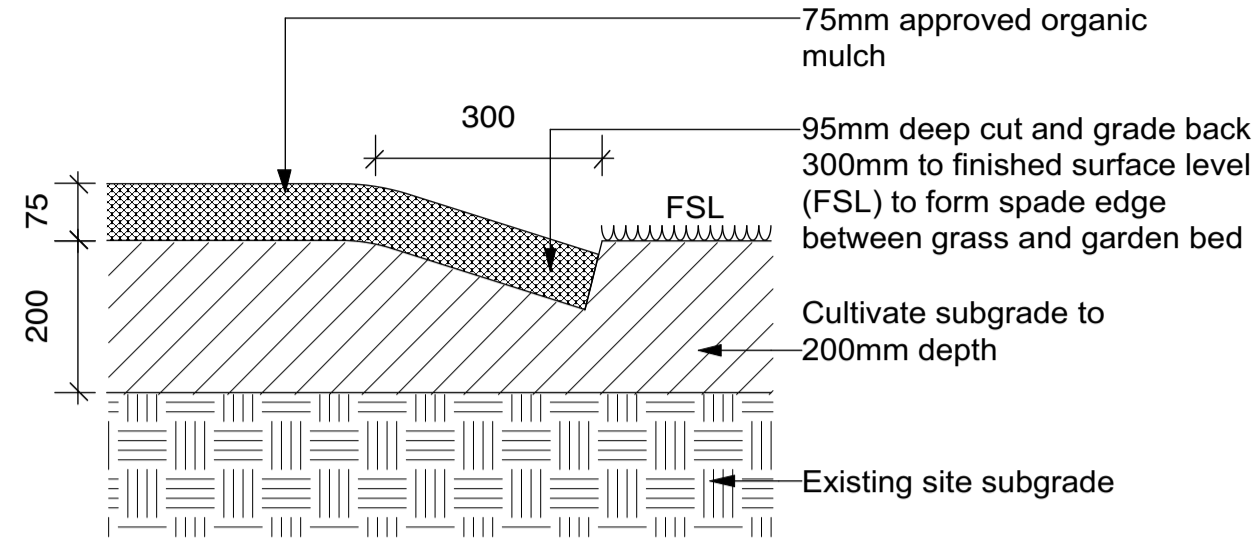
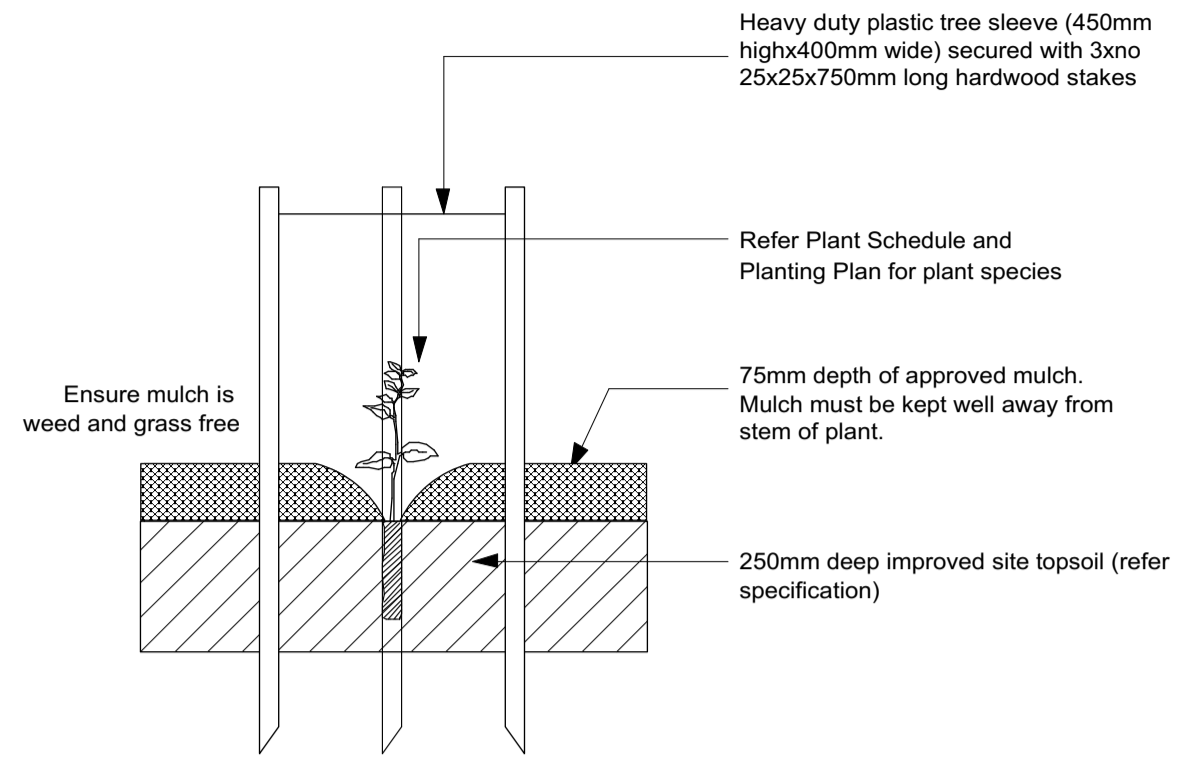
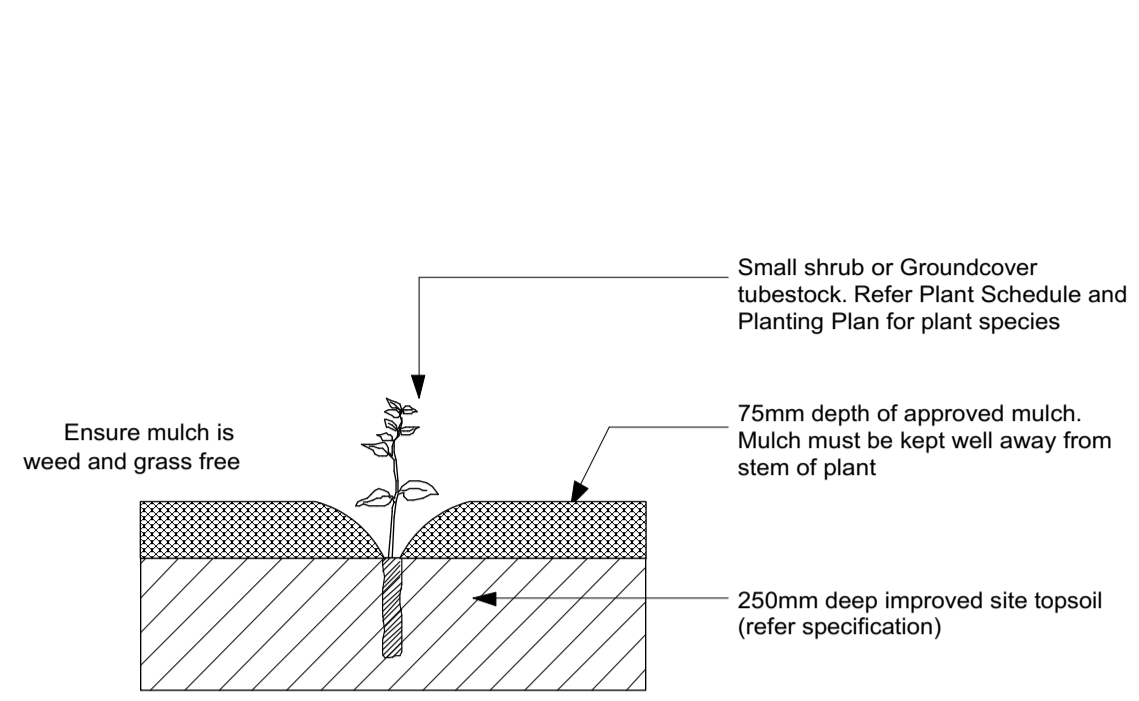
Dwg Date:	12/05/17
Plot Date:	7/8/18
Drawn By:	YZ
Checked By:	TH
CAD File Name:	Lincoln Road WSUD Functional Design Stage 1-v2018.wxd



Project No.  
**16037**  
**Lincoln Rd Streetscape Redesign - Stage 1**  
 Lincoln Road, Croydon

Drawing No.	Rev #	Status
<b>CD07</b>	OF	A
Drawing Name:	<b>Planting Plan 03</b>	





**Grass sowing notes**  
 Sow seed 5-10mm below surface level  
 Seed Sowing Rate: 5-10kg/ha

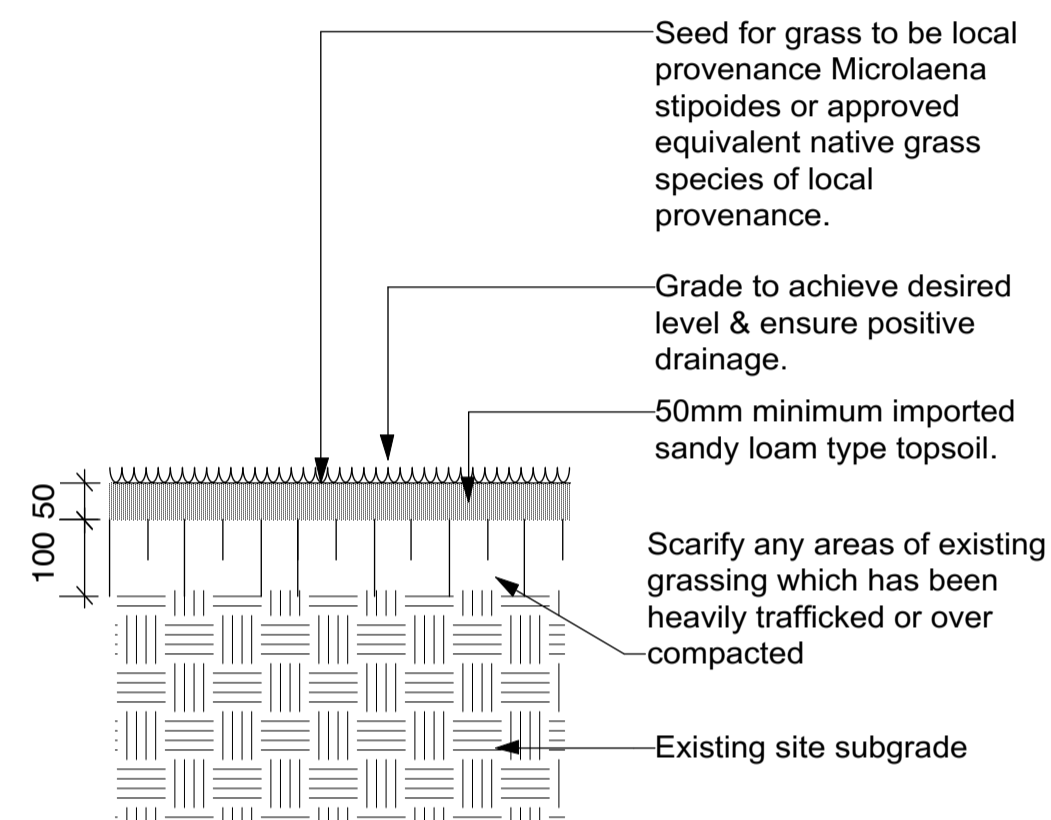
1 SMALL SHRUB & GROUND COVER PLANTING DETAIL  
 Scale: 1:10

2 LARGE SHRUB & TREE PLANTING DETAIL  
 Scale: 1:10

3 SPADE EDGE  
 Scale: 1:10

4 NEW GRASS  
 Scale: 1:10

PLANTING SCHEDULE						
Species	Code	Mature Size	Common Name	Spacing	Qty	Pot Size
<b>TREES</b>						
Eucalyptus cephalocarpa	Euc ceph	15x15m	Silver-leaf Stringybark	as shown	5	Tubestock
Eucalyptus melliodora	Euc mell	12 x 9m	Yellow Box	as shown	8	Tubestock
Eucalyptus ovata	Euc ova	15 x 13m	Swamp Gum	as shown	2	Tubestock
Eucalyptus radiata	Euc rad	17 x 10m	Narrow Leaved Peppermint Gum	as shown	8	Tubestock
Eucalyptus rubida	Euc rub	20 x 15m	Candlebark	as shown	5	Tubestock
<b>LARGE SHRUBS</b>						
Acacia leprosa	Aca lep	2-6 x 2-4m	Cinnamon Wattle	as shown	21	Tubestock
Acacia pycnantha	Aca pyc	3-10 x 2-5m	Golden Wattle	as shown	38	Tubestock
Acacia verticillata ssp. verticillata	Aca ver	2-5 x 3-5m	Prickly Moses	as shown	13	Tubestock
Banksia marginata	Ban mar	1-3 x 0.5-2m	Silver Banksia	as shown	32	Tubestock
Bursaria spinosa ssp. spinosa	Bur spi	2-6 x 2-3m	Sweet Bursaria	as shown	22	Tubestock
Pomaderris prunifolia var. prunifolia	Pom pru	1-4 x 1-4m	Plum Leaf Pomaderris	as shown	8	Tubestock
<b>SMALL SHRUBS &amp; GRASSES</b>						
Arthropodium strictum	Art stri	0.5 x 0.2m	Chocolate Lily	6/m <sup>2</sup>	337	Tubestock
Goodenia ovata	Goo ova	1.5 x 1.5m	Hop Goodenia	2/m <sup>2</sup>	50	Tubestock
Correa reflexa	Cor ref	1 x 2m	Common Correa	2/m <sup>2</sup>	112	Tubestock
Dianella revoluta var. revoluta	Dia rev	1x 1m	Black-anther Flax Lily	2/m <sup>2</sup>	600	Tubestock
Olearia myrsinoides	Ole myr	1.0 x 1.0 m	Silky Daisy Bush	4/m <sup>2</sup>	225	Tubestock
Lomandra filiformis subsp. filiformis	Lom fil	0.2 x 0.2m	Wattle Mat-rush	4/m <sup>2</sup>	298	Tubestock
Pultenaea gunnii	Pul gun	1 x 1m	Golden Bush-pea	2/m <sup>2</sup>	112	Tubestock
Themeda triandra	The tri	1 x 0.5m	Kangaroo Grass	4/m <sup>2</sup>	450	Tubestock



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6 TOP DRESSING GRASS (MAKE GOOD GRASS)  
 Scale: 1:10

**PLANT SUPPLY NOTES**

The following providers of local provenance stock are recommended where indigenous species are to be used:

- CRISP Community Nursery**      **Candlebark Community Nursery**
- 17 Greenwood Avenue, Ringwood, Ph: 9879 3911
- 5 Taylor Road, Mooroolbark, Ph: 0448 671 686

**PLANT IMAGES**



Goodenia ovata



Arthropodium strictum



Pultenaea gunnii ssp. gunnii



Correa reflexa



Themeda triandra



Lomandra filiformis subsp. filiformis



Olearia myrsinoides



Dianella revoluta var. revoluta



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North	
Scale	

Project No.	16037
	<b>Lincoln Rd Streetscape Redesign - Stage 1</b>
	Lincoln Road, Croydon

Drawing No.	Rev #	Status
CD08	OF	A
Drawing Name:	<b>Planting and Details</b>	