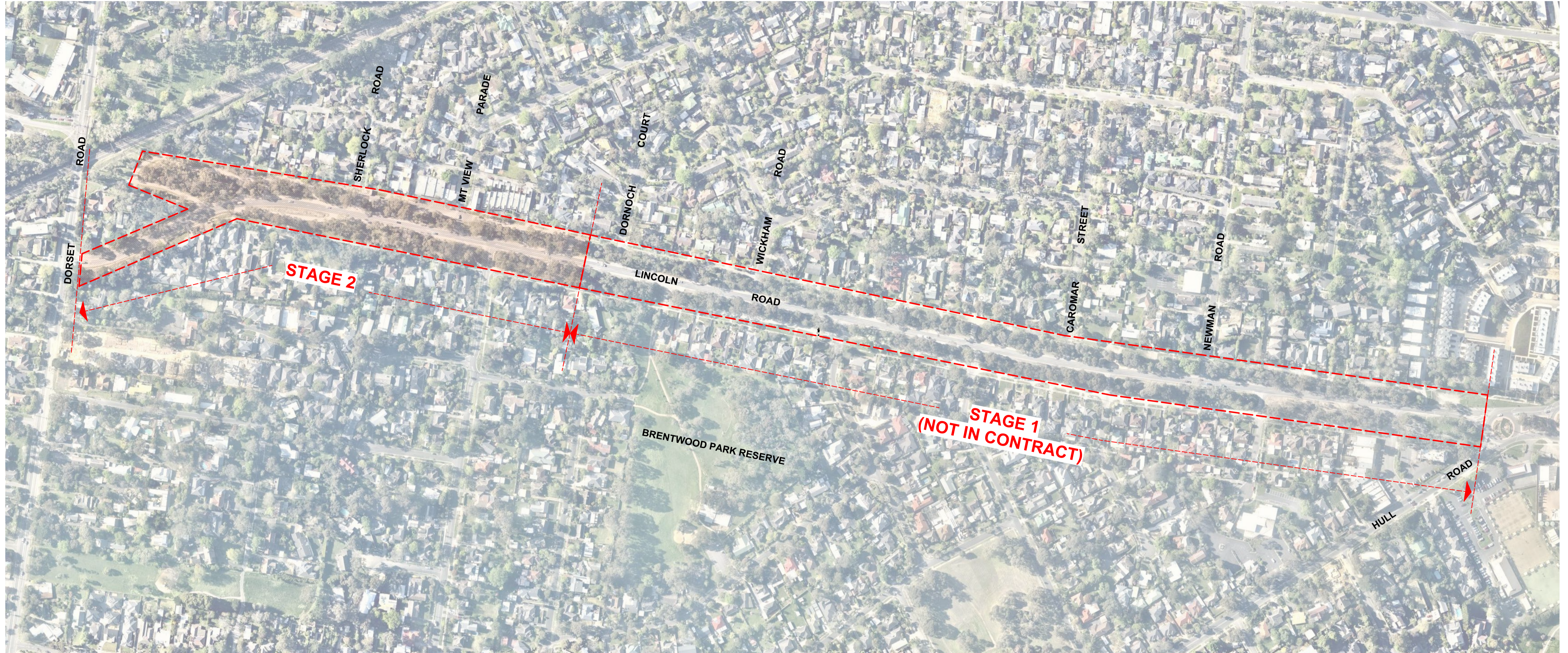


Lincoln Road Integrated WSUD Streetscape Redesign - Stage 2

PRELIMINARY DETAIL DESIGN 19th May, 2017

Lincoln Road, Croydon VIC 3136, Australia

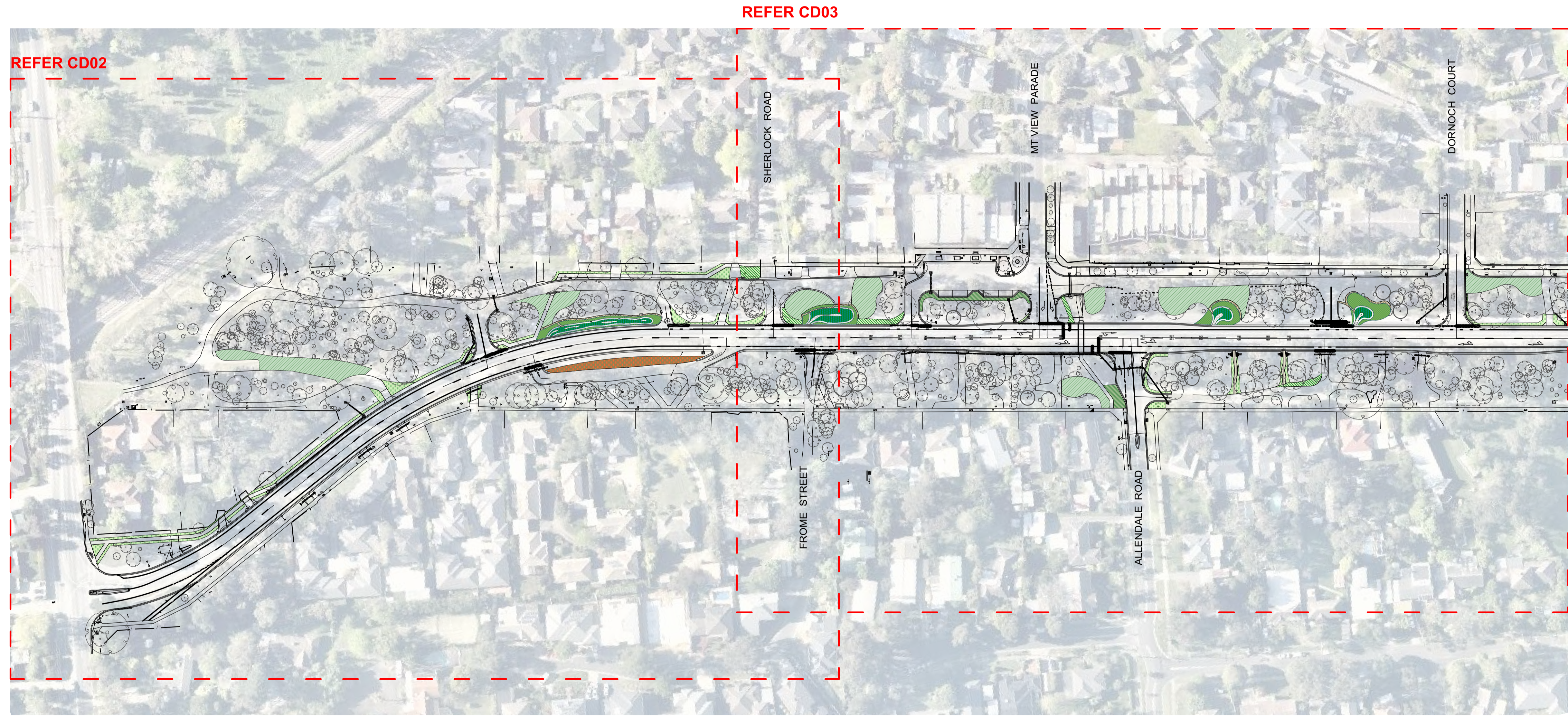


SCHEDULE OF DRAWINGS

SHEET NUMBER SHEET NAME

CD01	Landscape Key Plan
CD02	Landscape Plan 01
CD03	Landscape Plan 02
CD04	Planting Plan 01
CD05	Planting Plan 02
CD06	Planting Plan 03
CD07	Planting Plan 04
CD08	Details Plans and Sections
CD09	Planting and Details
LD--	Planting and Materials Plan

SITE PLAN N.T.S.



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GAURANTEEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.



GROUND FLOOR 143 FRANKLIN STREET
 MELBOURNE, VIC 3000
 T: (03) 9329 6844
 F: (03) 9329 6336
 E: office@urbaninitiatives.com.au
 W: www.urbaninitiatives.com.au

Client
Maroondah City Council

Consultants
 Other 1
 Other 2
 Other 3
 Notes

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
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 2-v2018.wvx





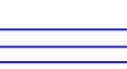


North

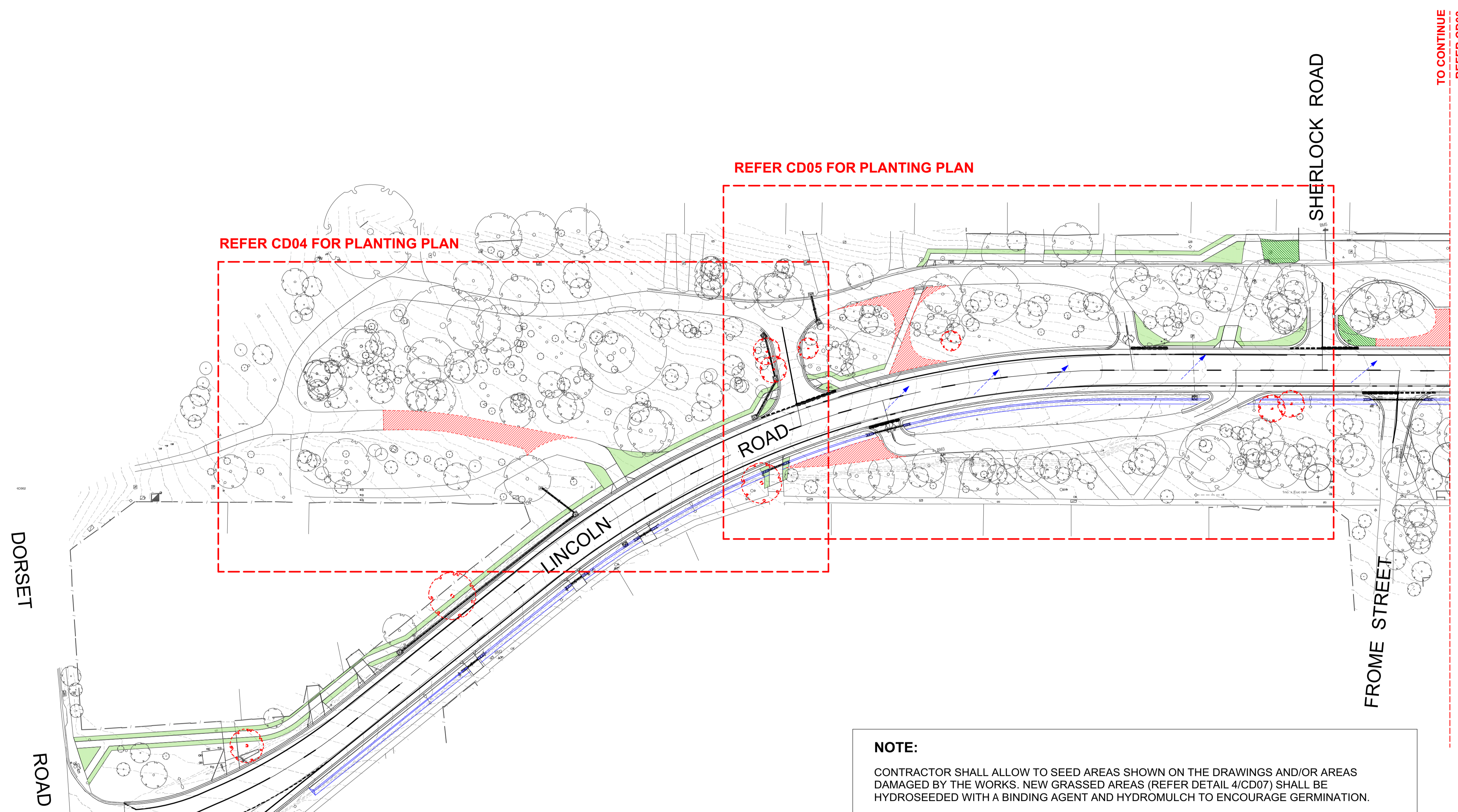
 Scale
1:1000 A1
ORIGINAL DRAWING AT A1 SIZE. ALL REDUCTIONS IN SIZE.

Project No.
16037
Lincoln Rd Streetscape Redesign - Stage 2
 Lincoln Road, Croydon

Drawing No.	Rev #	Status
CD01	OF	A

Drawing Name:
Landscape Key Plan

- KEY**
-  Existing Tree (RETAINED)
 -  Existing Tree (REMOVED)
 -  Make good grass
Refer detail 02/CD09
 -  Remove existing gravel
surface and excavate to
required depth for new
garden bed and cultivate
topsoil as specified. Refer
detail 01/CD09
 -  Swale/Table Drain
Refer to Engineer's detail
 -  Direction of flow
 -  Granitic gravel path
Refer to Engineer's detail



NOTE:

CONTRACTOR SHALL ALLOW TO SEED AREAS SHOWN ON THE DRAWINGS AND/OR AREAS DAMAGED BY THE WORKS. NEW GRASSED AREAS (REFER DETAIL 4/CD07) SHALL BE HYDROSEEDDED 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 STIPIOIDES, OR OTHER APPROVED INDIGENOUS GRASS OF LOCAL PROVENANCE. THE GRASS SPECIES SHALL BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO ORDERING AND INSTALLATION.

A PERSON WITH TRAINING AND EXPERIENCE IN ARBOREAL HABITAT IDENTIFICATION SHALL CARRY OUT AN INSPECTION OF POTENTIAL HABITAT LOCATIONS, INCLUDING NESTS AND HOLLOWES, IN EACH TREE PRIOR TO COMMENCEMENT OF TREE REMOVAL WORKS. IN THE EVENT THAT ANY ACTIVE OR POTENTIALLY ACTIVE HABITAT IS IDENTIFIED A SUITABLY QUALIFIED WILDLIFE/HABITAT SPECIALIST MUST BE ENGAGED TO INSTRUCT THE RECOVERY AND PROTECTION OF WILDLIFE AFFECTED BY THE REMOVAL OF THE TREES.

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.



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.



GROUND FLOOR 143 FRANKLIN STREET
 MELBOURNE, VIC 3000
 T: (03) 9329 6844
 F: (03) 9329 6336
 E: office@urbaninitiatives.com.au
 W: www.urbaninitiatives.com.au

Client
Maroondah City Council

Consultants
 Other 1
 Other 2
 Other 3
 Notes

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
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 2-v2018.wxd

North

 Scale
1:500 A1

Project No.
16037
Lincoln Rd Streetscape Redesign - Stage 2
 Lincoln Road, Croydon

Drawing No.	Rev #	OF	Status
CD02			A

Drawing Name:
Landscape Plan 01

TO CONTINUE
 REFER CD02

SHERLOCK ROAD

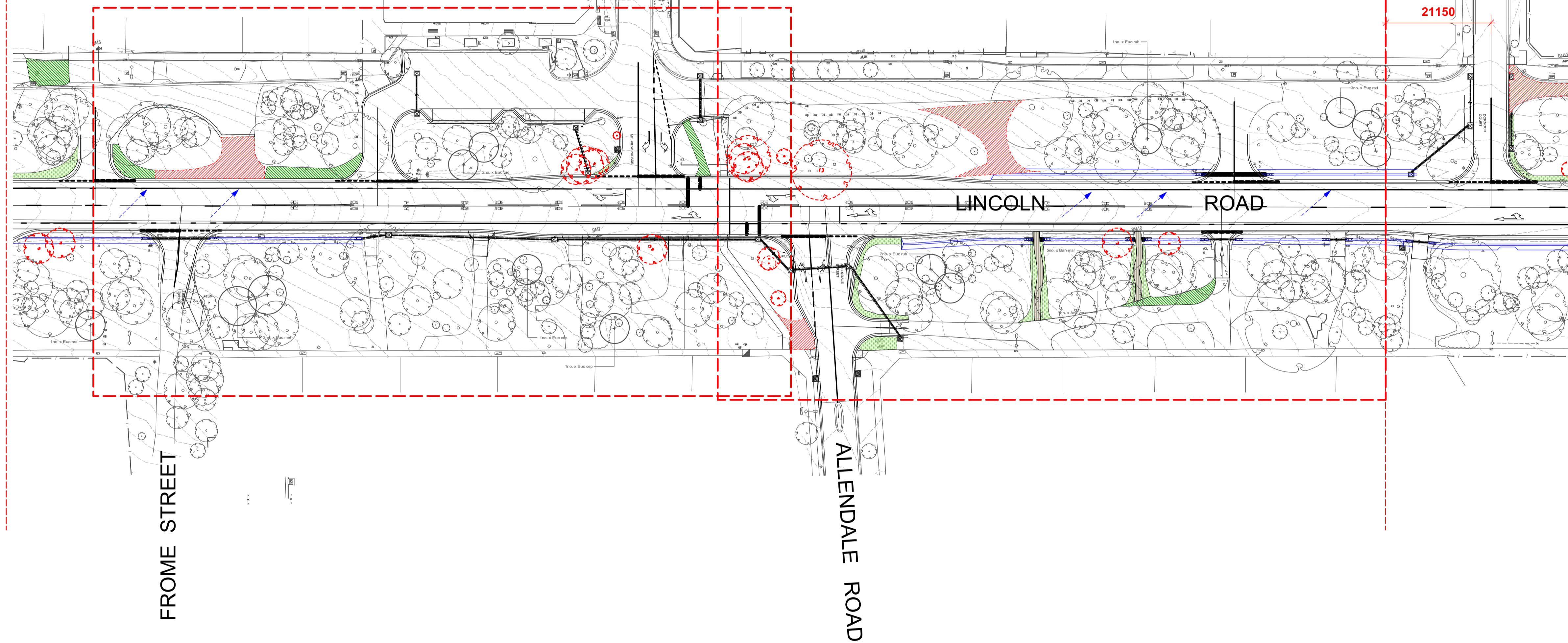
REFER CD06 FOR PLANTING PLAN

MT VIEW PARADE

REFER CD07 FOR PLANTING PLAN

STAGE 2- EXTENT OF WORKS

DORNOCH COURT



- Existing Tree (RETAINED)
- Existing Tree (REMOVED)
- Make good grass
Refer detail 02/CD09
- Remove existing gravel surface and excavate to required depth for new garden bed and cultivate topsoil as specified. Refer detail 01/CD09
- Swale/Table Drain
Refer to Engineer's detail
- Direction of flow
- Granitic gravel path
Refer to Engineer's detail

NOTE:

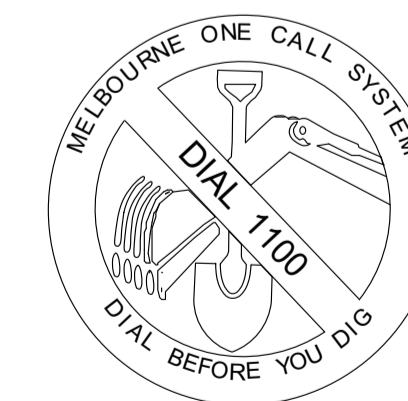
CONTRACTOR SHALL ALLOW TO SEED AREAS SHOWN ON THE DRAWINGS AND/OR AREAS DAMAGED BY THE WORKS. NEW GRASSED AREAS (REFER DETAIL 4/CD07) SHALL BE HYDROSEEDING WITH A BINDING AGENT AND HYDROMULCH TO ENCOURAGE GERMINATION.

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 OF LOCAL PROVENANCE. THE GRASS SPECIES SHALL BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO ORDERING AND INSTALLATION.

A PERSON WITH TRAINING AND EXPERIENCE IN ARBOREAL HABITAT IDENTIFICATION SHALL CARRY OUT AN INSPECTION OF POTENTIAL HABITAT LOCATIONS, INCLUDING NESTS AND HOLLOWES, IN EACH TREE PRIOR TO COMMENCEMENT OF TREE REMOVAL WORKS. IN THE EVENT THAT ANY ACTIVE OR POTENTIALLY ACTIVE HABITAT IS IDENTIFIED A SUITABLY QUALIFIED WILDLIFE/HABITAT SPECIALIST MUST BE ENGAGED TO INSTRUCT THE RECOVERY AND PROTECTION OF WILDLIFE AFFECTED BY THE REMOVAL OF THE TREES.

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.



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.



GROUND FLOOR 143 FRANKLIN STREET
 MELBOURNE, VIC 3000
 T: (03) 9329 6844
 F: (03) 9329 6336
 E: office@urbaninitiatives.com.au
 W: www.urbaninitiatives.com.au

Client
Maroondah City Council

Consultants
 Other 1
 Other 2
 Other 3
 Notes

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
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 2-v2018.wxd

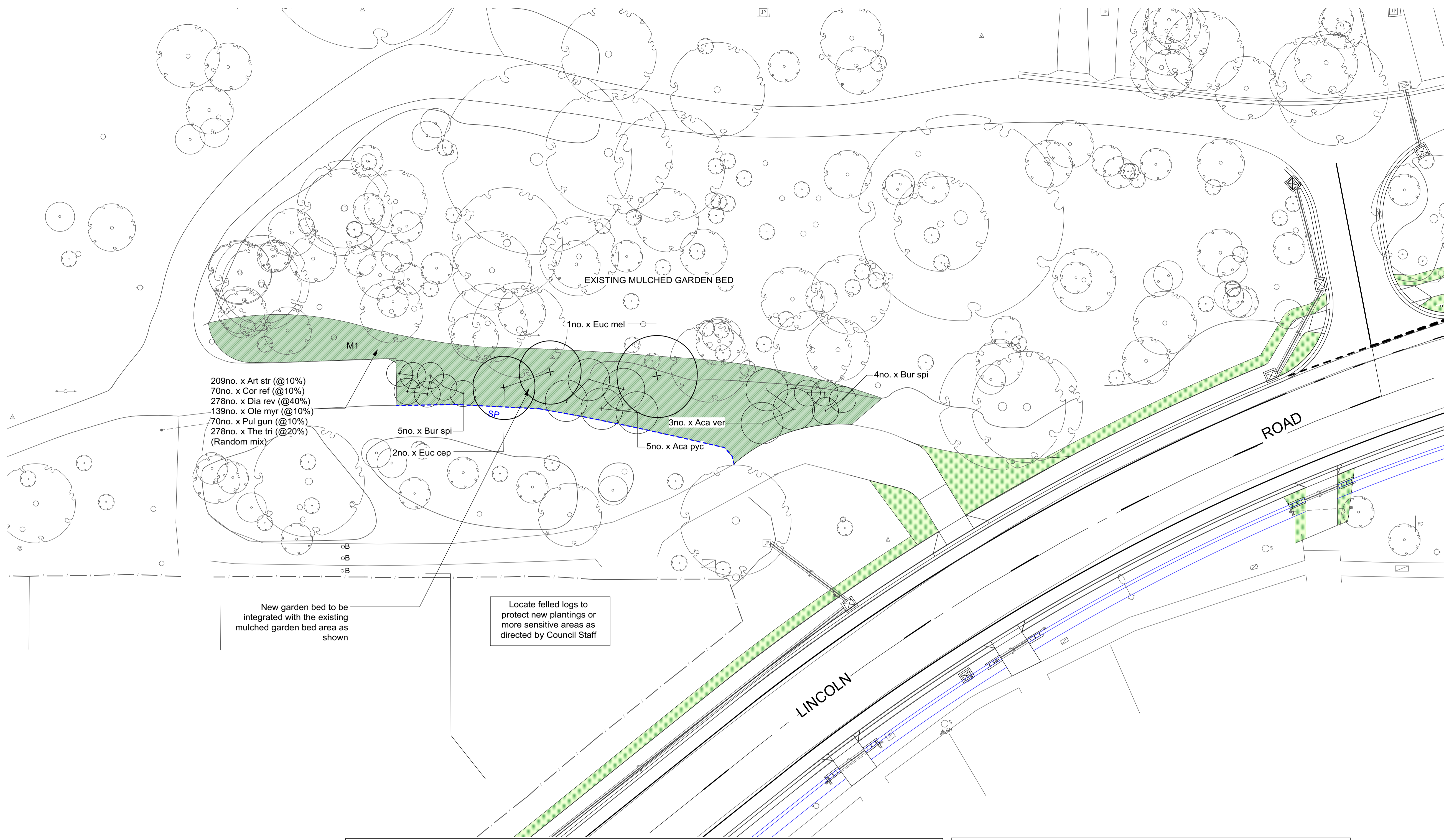
North

 Scale
1:500 A1
ORIGINAL DRAWING AT A1 SIZE. ALL REDUCTIONS IN SIZE.

Project No.
16037
Lincoln Rd Streetscape Redesign - Stage 2
 Lincoln Road, Croydon

Drawing No.	Rev #	Status
CD03	OF	A

Drawing Name:
Landscape Plan 02



- Existing Tree (RETAINED)
- Swale/Table Drain
Refer to Engineer's detail
- Direction of flow
- Granitic gravel path
Refer to Engineer's detail
- New Tree / Large Shrub
- Make good grass
Refer detail 02/CD09
- Remove existing gravel path for new grassing
Refer detail 08/CD09
- Revegetation Zone Mixed Planting 1 (M1)
- Revegetation Zone Mixed Planting 2 (M2)
- Revegetation Zone Mixed Planting 3 (M3)
- Revegetation Zone Mixed Planting 4 (M4)
- Passive infiltration garden bed Mixed Planting (M5)
Refer enlargement CD08
- Rock base/channel.
Refer detail 04/CD09
- Infill Planting Zone
Plant species to match the existing
- Spade edge
Refer detail 03/CD09
- Mulched maintenance access

MANAGEMENT / CULTIVATION NOTES

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 (SPROBOLUS 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 8/CD09) SHALL BE HYDROSEEDING 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 STIPIOIDES, OR OTHER APPROVED INDIGENOUS GRASS OF LOCAL PROVENANCE. THE GRASS SPECIES SHALL BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO ORDERING AND INSTALLATION.



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.



GROUND FLOOR 143 FRANKLIN STREET
 MELBOURNE, VIC 3000
 T: (03) 9329 6844
 F: (03) 9329 6336
 E: office@urbaninitiatives.com.au
 W: www.urbaninitiatives.com.au

Client	Maroondah City Council
--------	------------------------

Consultants	Other 1
	Other 2
	Other 3
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
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 2-v2018.vwx

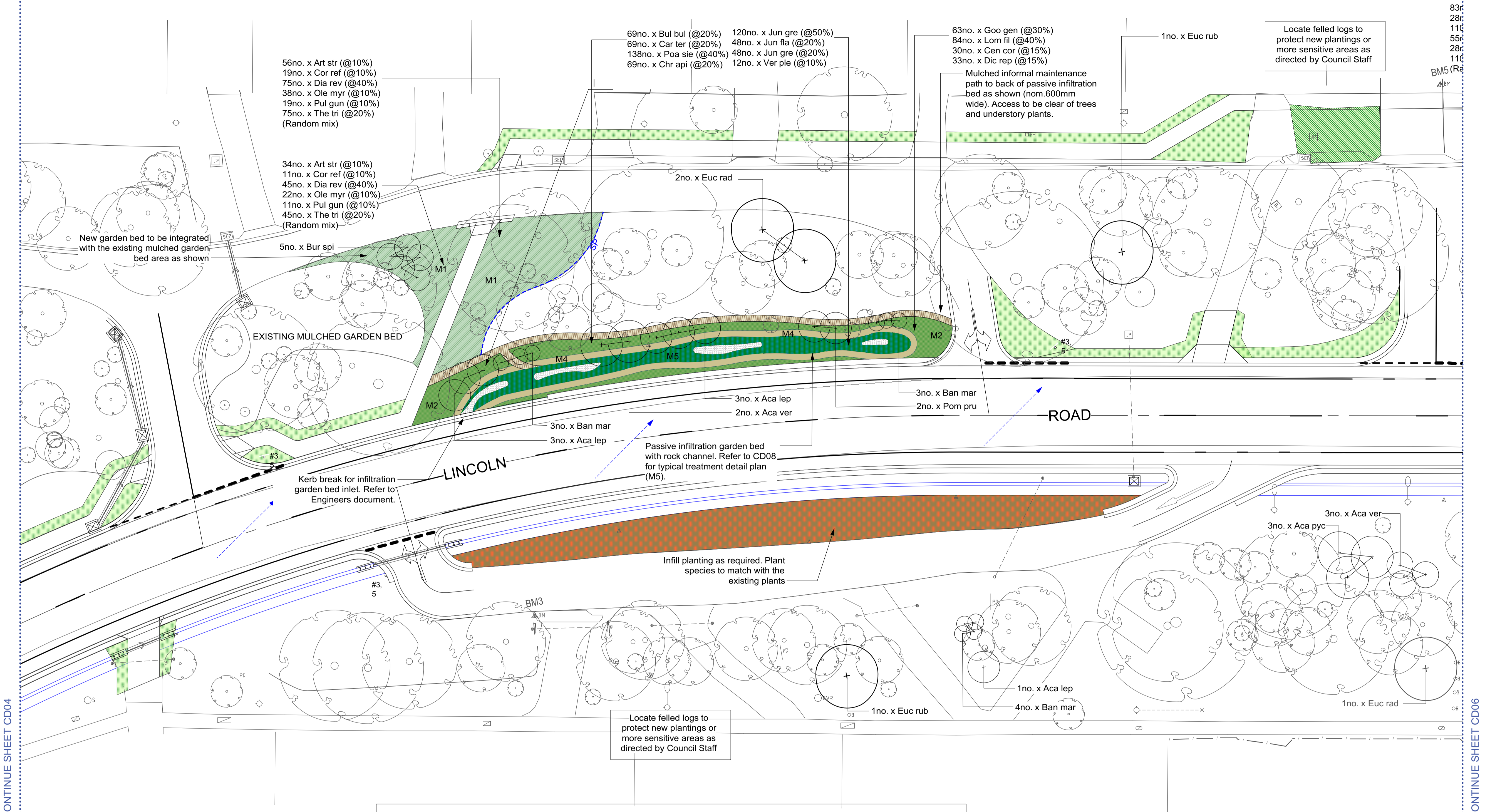
North

Scale
1:200 A1

Project No.
16037
Lincoln Rd Streetscape Redesign - Stage 2
 Lincoln Road, Croydon

Drawing No.	Rev #	Status.
CD04	OF	A
Drawing Name:	Planting Plan 01	

- KEY**
- Existing Tree (RETAINED)
 - Swale/Table Drain
Refer to Engineer's detail
 - Direction of flow
 - Granitic gravel path
Refer to Engineer's detail
 - New Tree / Large Shrub
 - Make good grass
Refer detail 02/CD09
 - Remove existing gravel path for new grassing
Refer detail 08/CD09
 - Revegetation Zone Mixed Planting 1 (M1)
 - Revegetation Zone Mixed Planting 2 (M2)
 - Revegetation Zone Mixed Planting 3 (M3)
 - Revegetation Zone Mixed Planting 4 (M4)
 - Passive infiltration garden bed Mixed Planting (M5)
Refer enlargement CD08
 - Rock base/channel.
Refer detail 04/CD09
 - Infill Planting Zone
Plant species to match the existing
 - Spade edge
Refer detail 03/CD09
 - Mulched maintenance access



MANAGEMENT / CULTIVATION NOTES

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 8/CD09) SHALL BE HYDROSEEDING 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 OF LOCAL PROVENANCE. THE GRASS SPECIES SHALL BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO ORDERING AND INSTALLATION.



WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GAURANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.

GROUND FLOOR 143 FRANKLIN STREET
 MELBOURNE, VIC 3000
 T: (03) 9329 6844
 F: (03) 9329 6336
 E: office@urbaninitiatives.com.au
 W: www.urbaninitiatives.com.au

Client	Maroondah City Council
Consultants	Other 1
	Other 2
	Other 3
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
1	2/2/17	FUNCTIONAL DESIGN	JH/YZ

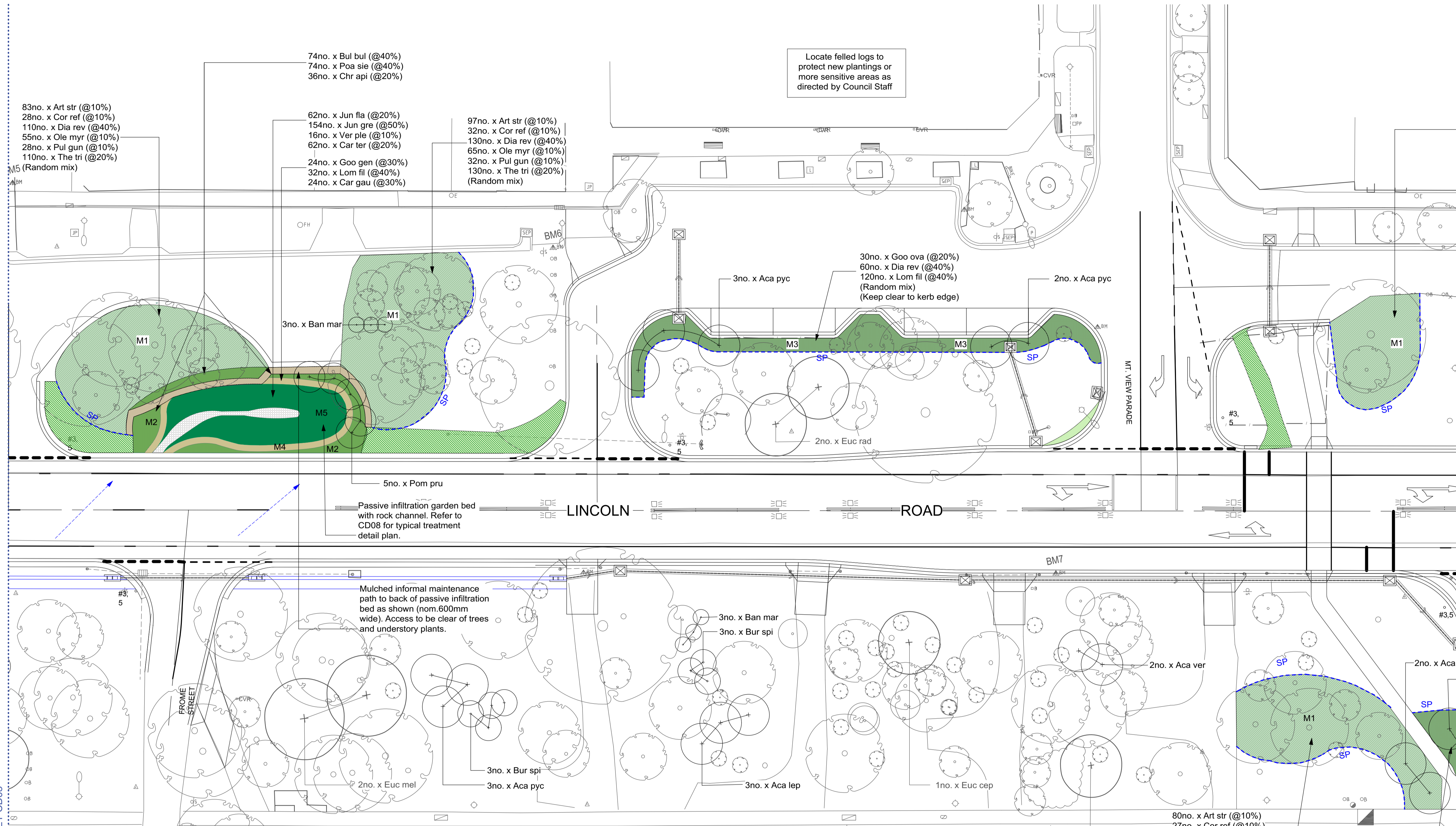
Dwg Date: 12/05/17
 Plot Date: 7/8/18
 Drawn By: YZ
 Checked By: TH
 CAD File Name: Lincoln Road WSUD Functional Design Stage 2-v2018.wxw

North

 Scale
 1:200 A1

Project No.
16037
Lincoln Rd Streetscape Redesign - Stage 2
 Lincoln Road, Croydon

Drawing No.	Rev #	Status.
CD05	OF	A
Drawing Name.	Planting Plan 02	



- Existing Tree (RETAINED)
- Swale/Table Drain
Refer to Engineer's detail
- Direction of flow
- Granitic gravel path
Refer to Engineer's detail
- New Tree / Large Shrub
- Make good grass
Refer detail 02/CD09
- Remove existing gravel path for new grassing
Refer detail 08/CD09
- Revegetation Zone Mixed Planting 1 (M1)
- Revegetation Zone Mixed Planting 2 (M2)
- Revegetation Zone Mixed Planting 3 (M3)
- Revegetation Zone Mixed Planting 4 (M4)
- Passive infiltration garden bed Mixed Planting (M5)
Refer enlargement CD08
- Rock base/channel.
Refer detail 04/CD09
- Infill Planting Zone
Plant species to match the existing
- Spade edge
Refer detail 03/CD09
- Mulched maintenance access

MANAGEMENT / CULTIVATION NOTES

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 8/CD09) SHALL BE HYDROSEEDING 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 OF LOCAL PROVENANCE. THE GRASS SPECIES SHALL BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO ORDERING AND INSTALLATION.

urban initiatives

GROUND FLOOR 143 FRANKLIN STREET
 MELBOURNE, VIC 3000

T: (03) 9329 6844
 F: (03) 9329 6336
 E: office@urbaninitiatives.com.au
 W: www.urbaninitiatives.com.au

Client	Maroondah City Council
Consultants	Other 1
	Other 2
	Other 3
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
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 2-v2018.wxd

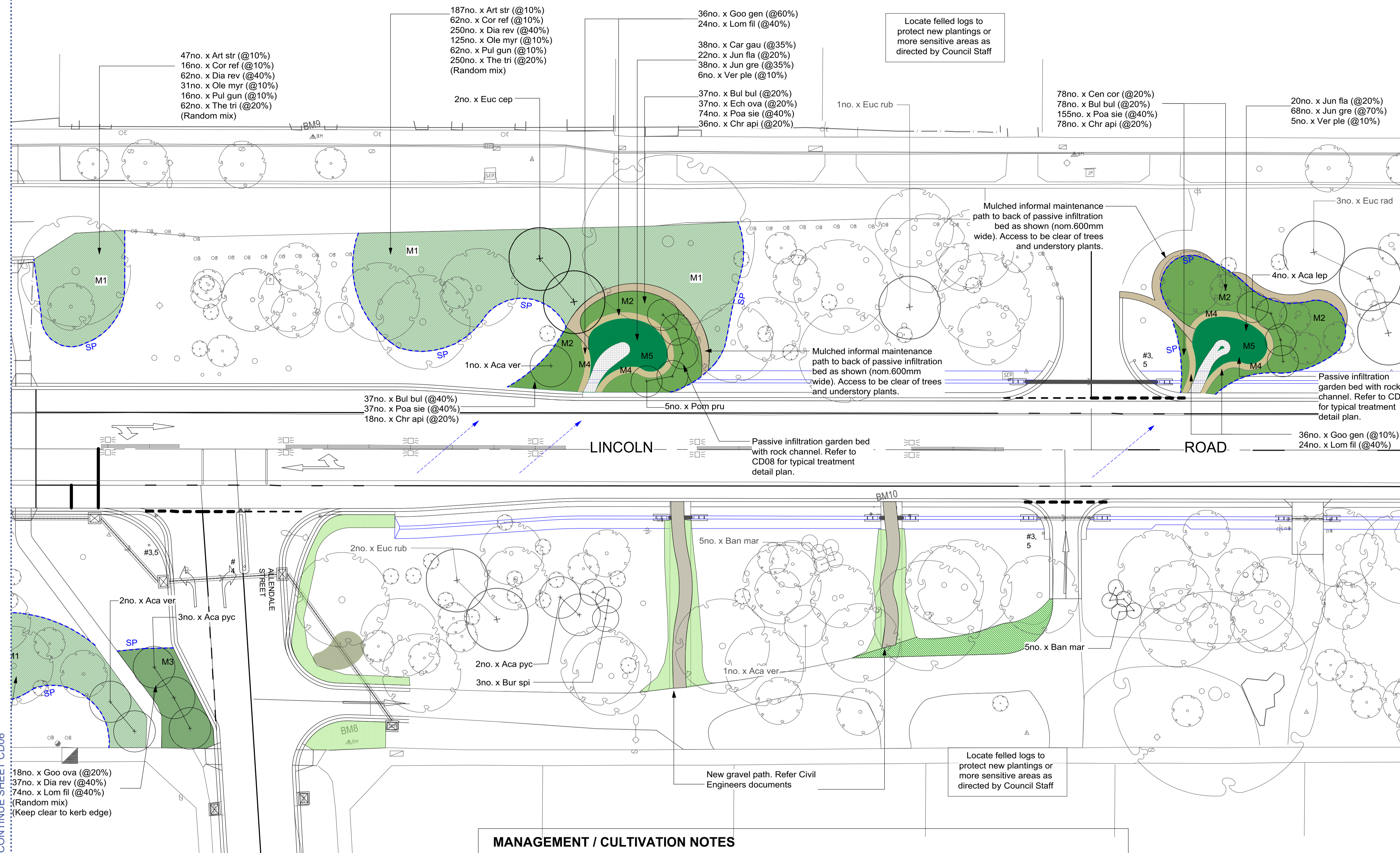
North

Scale
1:200 A1

Project No.
16037

Lincoln Rd Streetscape Redesign - Stage 2
 Lincoln Road, Croydon

Drawing No.	Rev #	Status
CD06	OF	A
Drawing Name:	Planting Plan 03	



- Existing Tree (RETAINED)
- Swale/Table Drain
Refer to Engineer's detail
- Direction of flow
- Granitic gravel path
Refer to Engineer's detail
- New Tree / Large Shrub
- Make good grass
Refer detail 02/CD09
- Remove existing gravel path for new grassing
Refer detail 08/CD09
- Revegetation Zone Mixed Planting 1 (M1)
- Revegetation Zone Mixed Planting 2 (M2)
- Revegetation Zone Mixed Planting 3 (M3)
- Revegetation Zone Mixed Planting 4 (M4)
- Passive infiltration garden bed Mixed Planting (M5)
Refer enlargement CD08
- Rock base/channel.
Refer detail 04/CD09
- Infill Planting Zone
Plant species to match the existing
- Spade edge
Refer detail 03/CD09
- Mulched maintenance access

MANAGEMENT / CULTIVATION NOTES

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 GRASSSED AREAS (REFER DETAIL 8/CD09) SHALL BE HYDROSEEDING 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 OF LOCAL PROVENANCE. THE GRASS SPECIES SHALL BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO ORDERING AND INSTALLATION.



GROUND FLOOR 143 FRANKLIN STREET
 MELBOURNE, VIC 3000
 T: (03) 9329 6844
 F: (03) 9329 6336
 E: office@urbaninitiatives.com.au
 W: www.urbaninitiatives.com.au

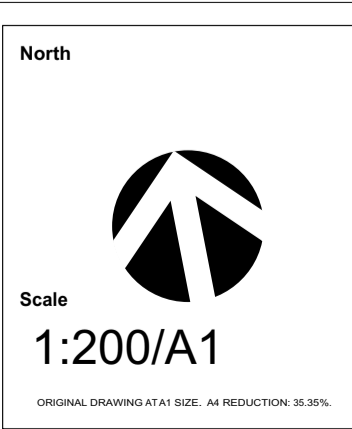
Client	Maroondah City Council
--------	------------------------

Consultants	Other 1
	Other 2
	Other 3
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

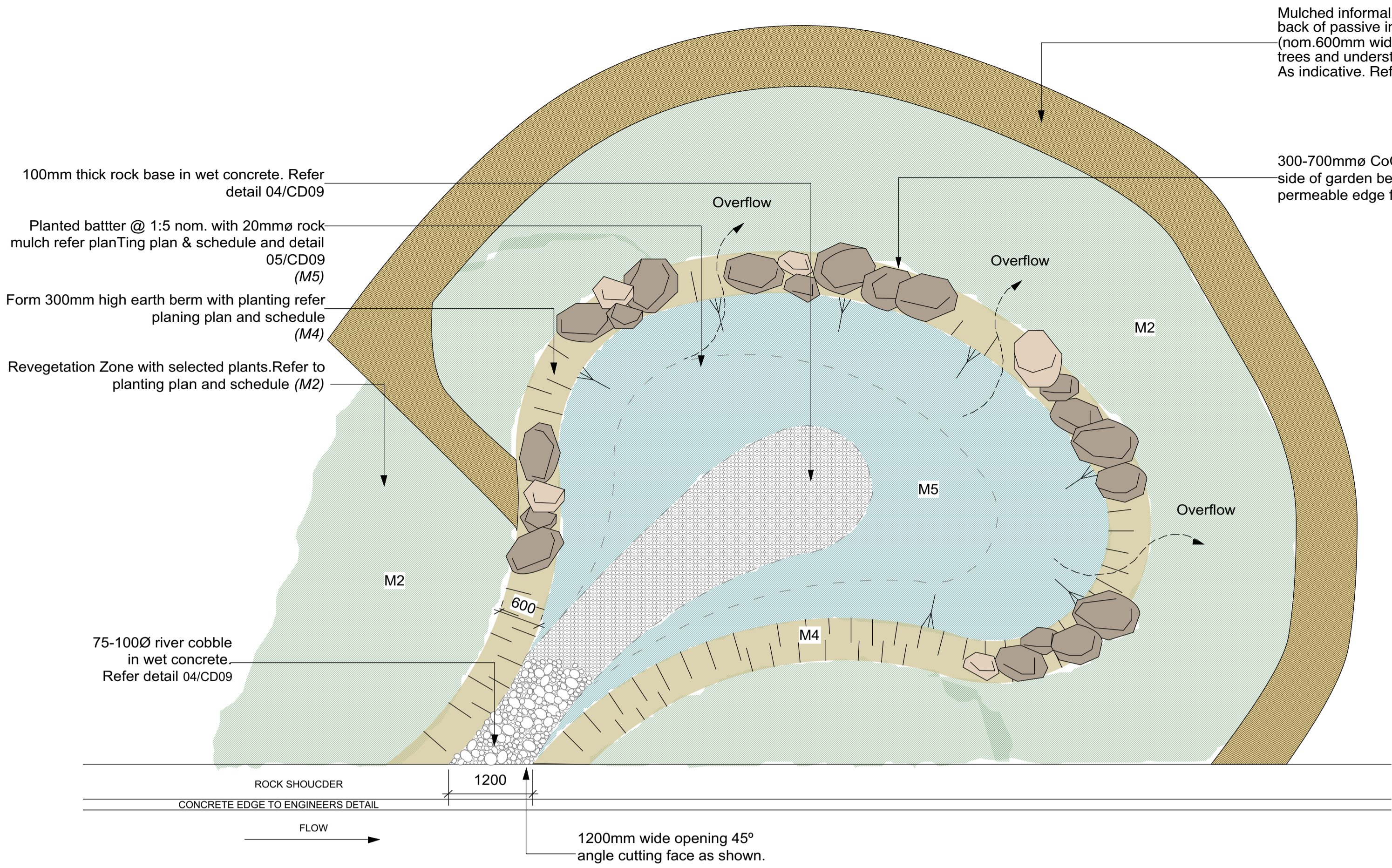
No.	Date	ISSUE	By
1	2/2/17	FUNCTIONAL DESIGN	JH/YZ

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 2-v2018.wxw



Project No.
16037
Lincoln Rd Streetscape Redesign - Stage 2
 Lincoln Road, Croydon

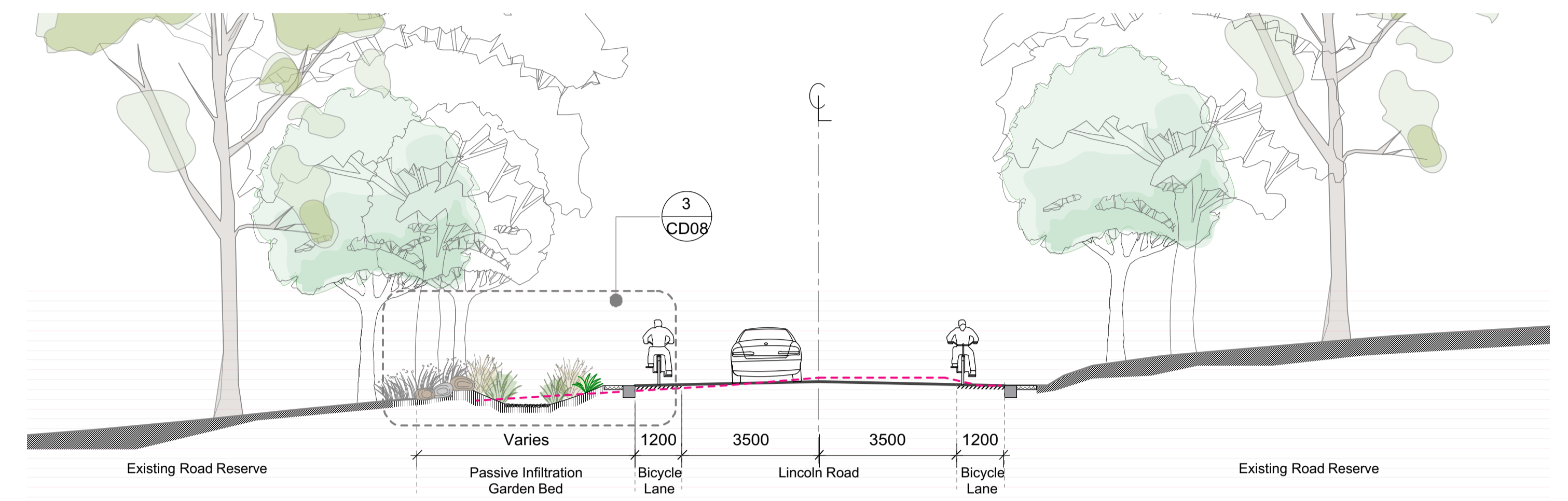
Drawing No.	Rev #	Status
CD07	OF	A
Drawing Name:	Planting Plan 04	



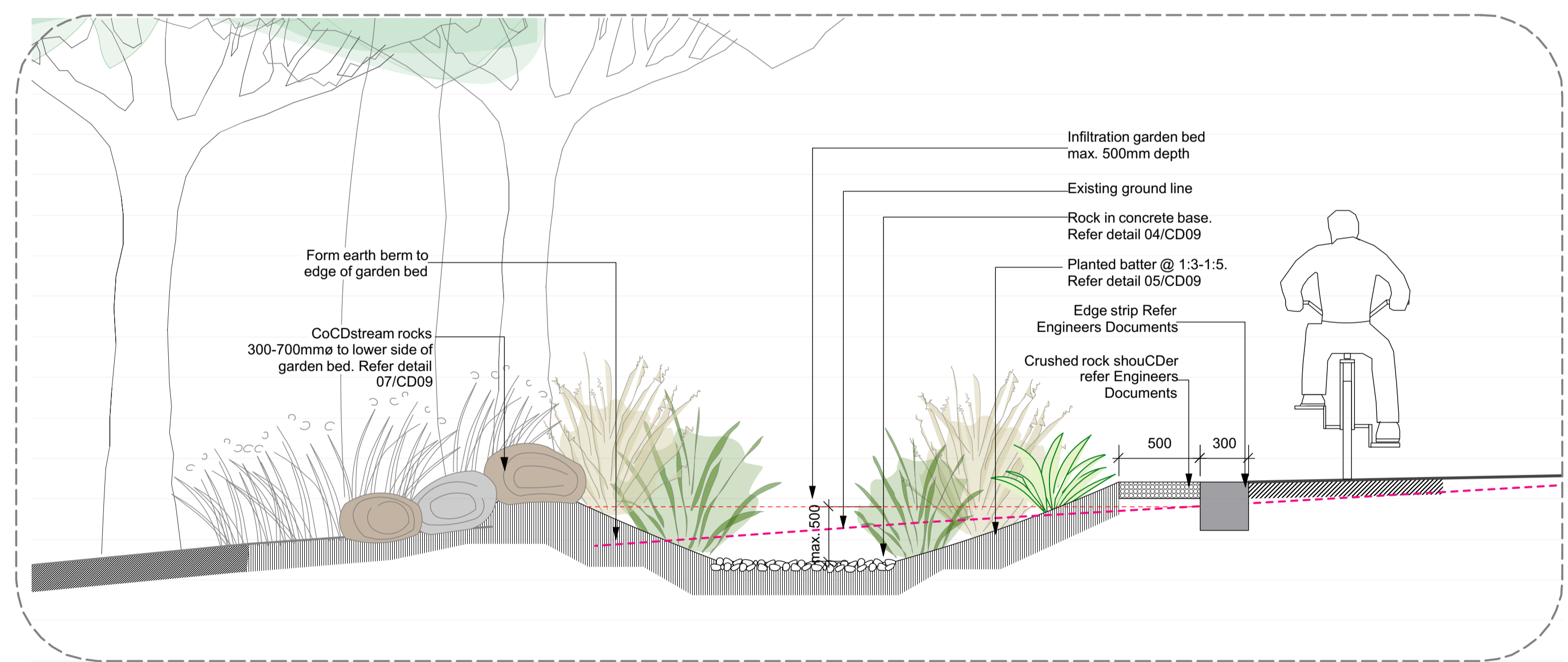
1 PASSIVE INFILTRATION GARDEN BED (TYPICAL)
 Scale: 1:50

Mulched informal maintenance path to back of passive infiltration bed as shown (nom.600mm wide). Access to be clear of trees and understory plants. As indicative. Refer to Landscape Plans.

300-700mmø CoCDstream Rock at lower side of garden bed as shown to form a permeable edge for stormwater overflow.



2 TYPICAL ROAD CROSS SECTION WITH INFILTRATION GARDEN BED
 Scale: 1:100



3 TYPICAL PASSIVE INFILTRATION GARDEN BED CROSS SECTION
 Scale: 1:25



GROUND FLOOR 143 FRANKLIN STREET
 MELBOURNE, VIC 3000
 T: (03) 9329 6844
 F: (03) 9329 6336
 E: office@urbaninitiatives.com.au
 W: www.urbaninitiatives.com.au

Client
Maroondah City Council

Consultants
 Other 1
 Other 2
 Other 3
 Notes

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

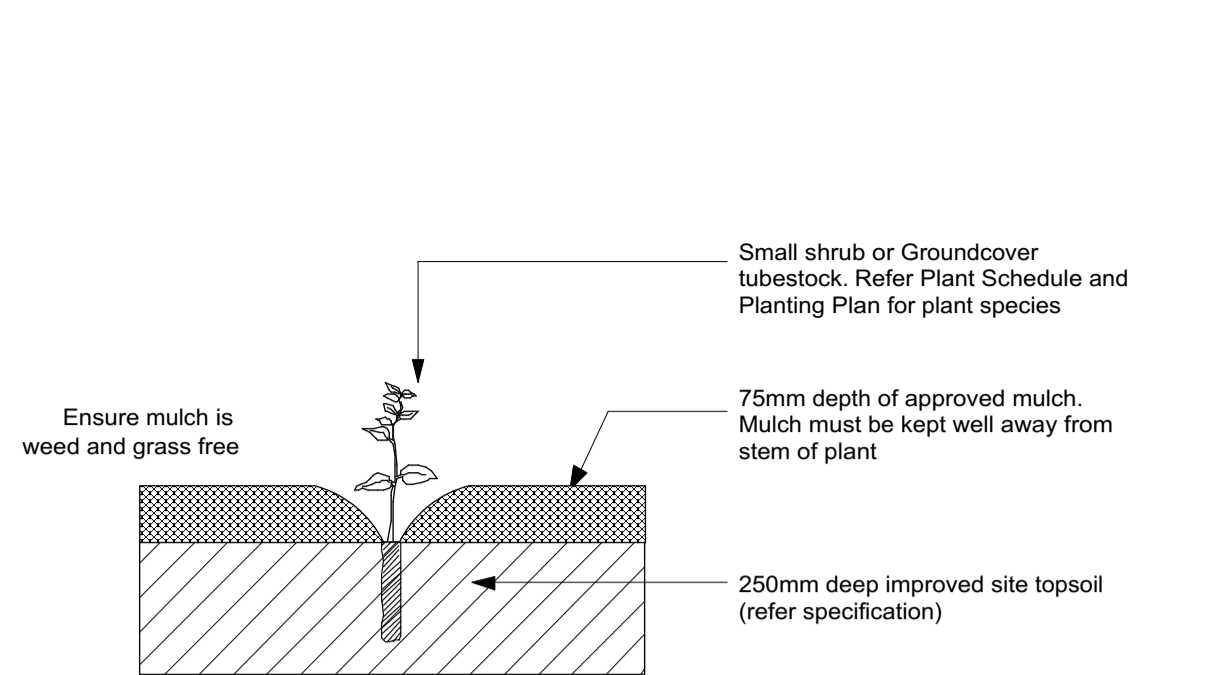
No.	Date	ISSUE	By
1	2/2/17	FUNCTIONAL DESIGN	JH/YZ

Dwg Date: 4/11/16
 Plot Date: 7/8/18
 Drawn By: YZ
 Checked By: TH
 CAD File Name: Lincoln Road WSUD Functional Design Stage 2-v2018.vwx

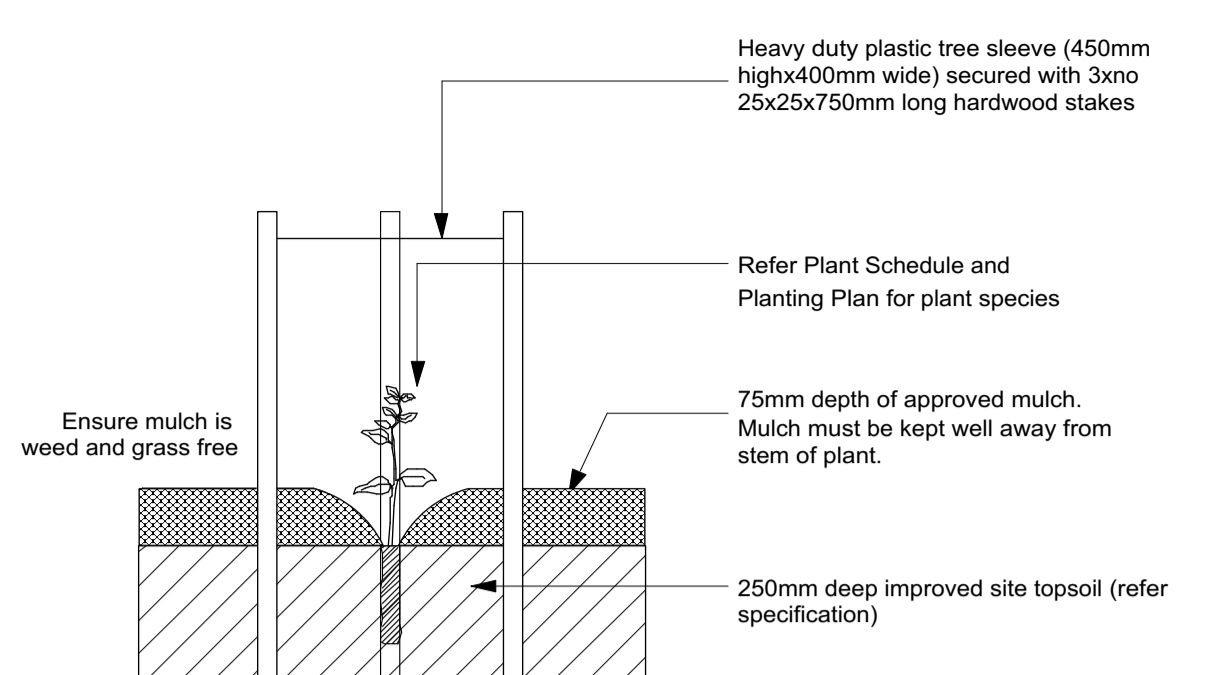
North
 Scale
As Shown A1

Project No.
16037
Lincoln Rd Streetscape Redesign - Stage 2
 Lincoln Road, Croydon

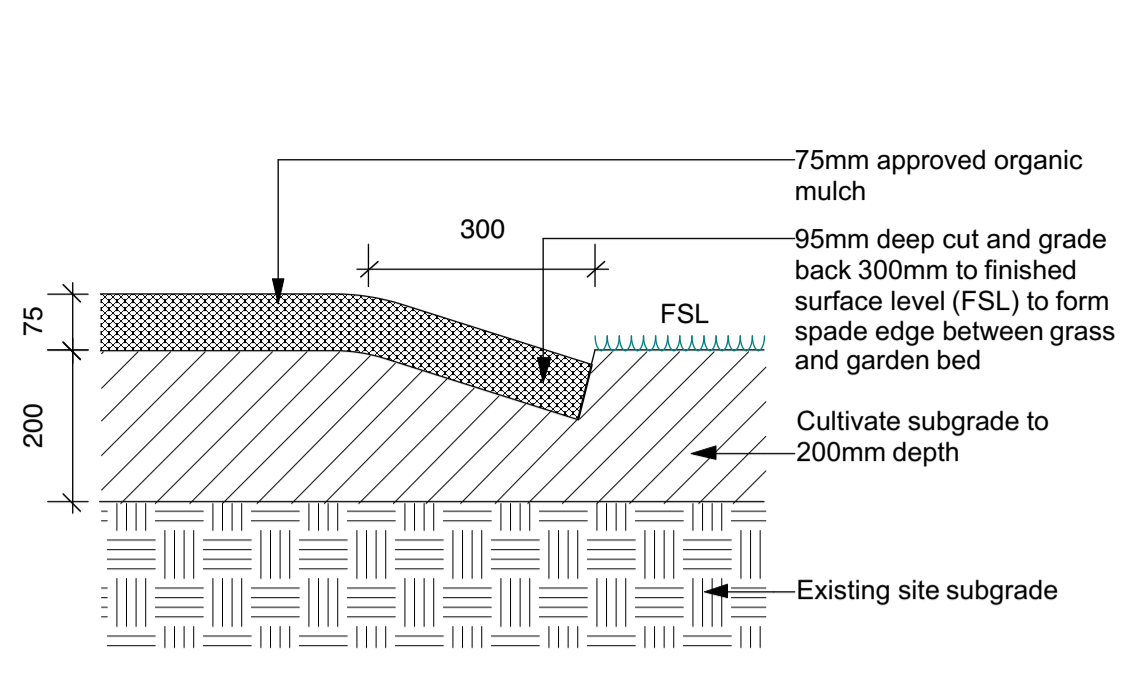
Drawing No. **CD08** Rev # **OF** Status **A**
 Drawing Name:
Details Plans and Sections



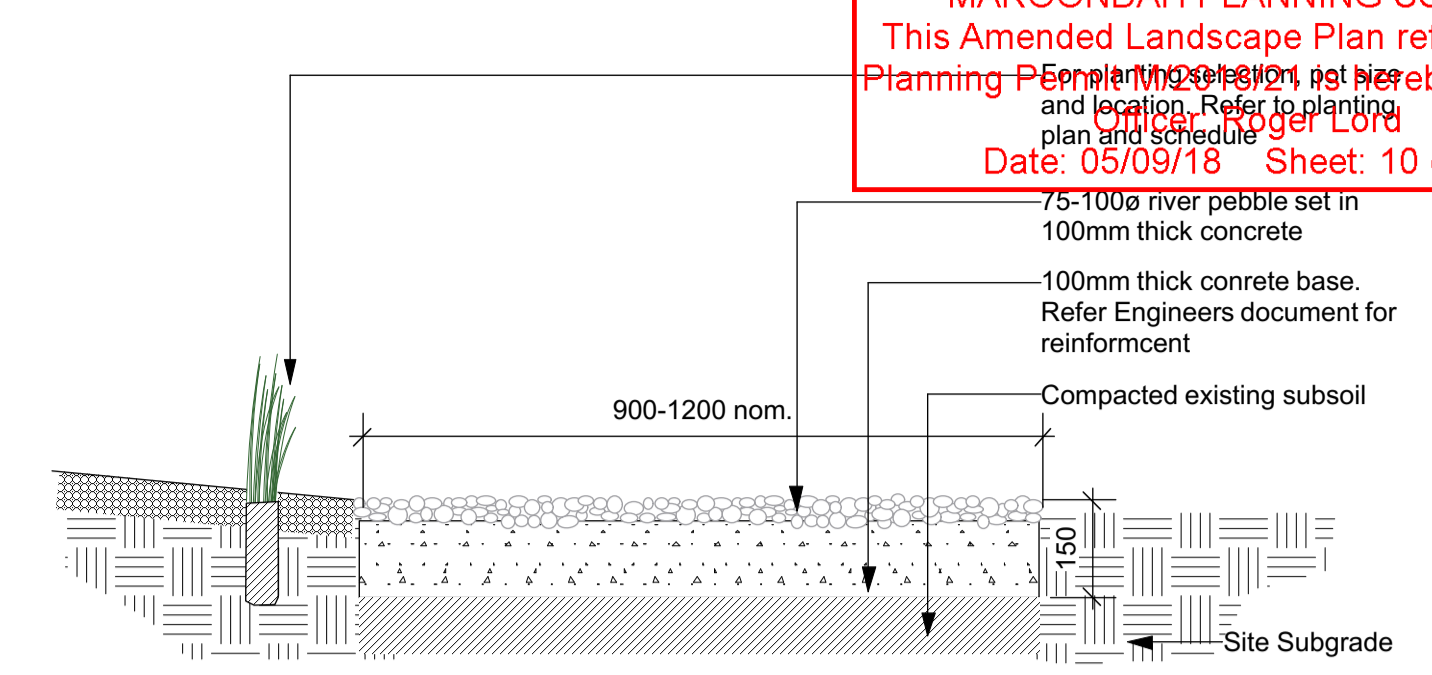
1 GROUNDCOVER & SMALL SHRUB PLANTING DETAIL
 Scale: 1:10



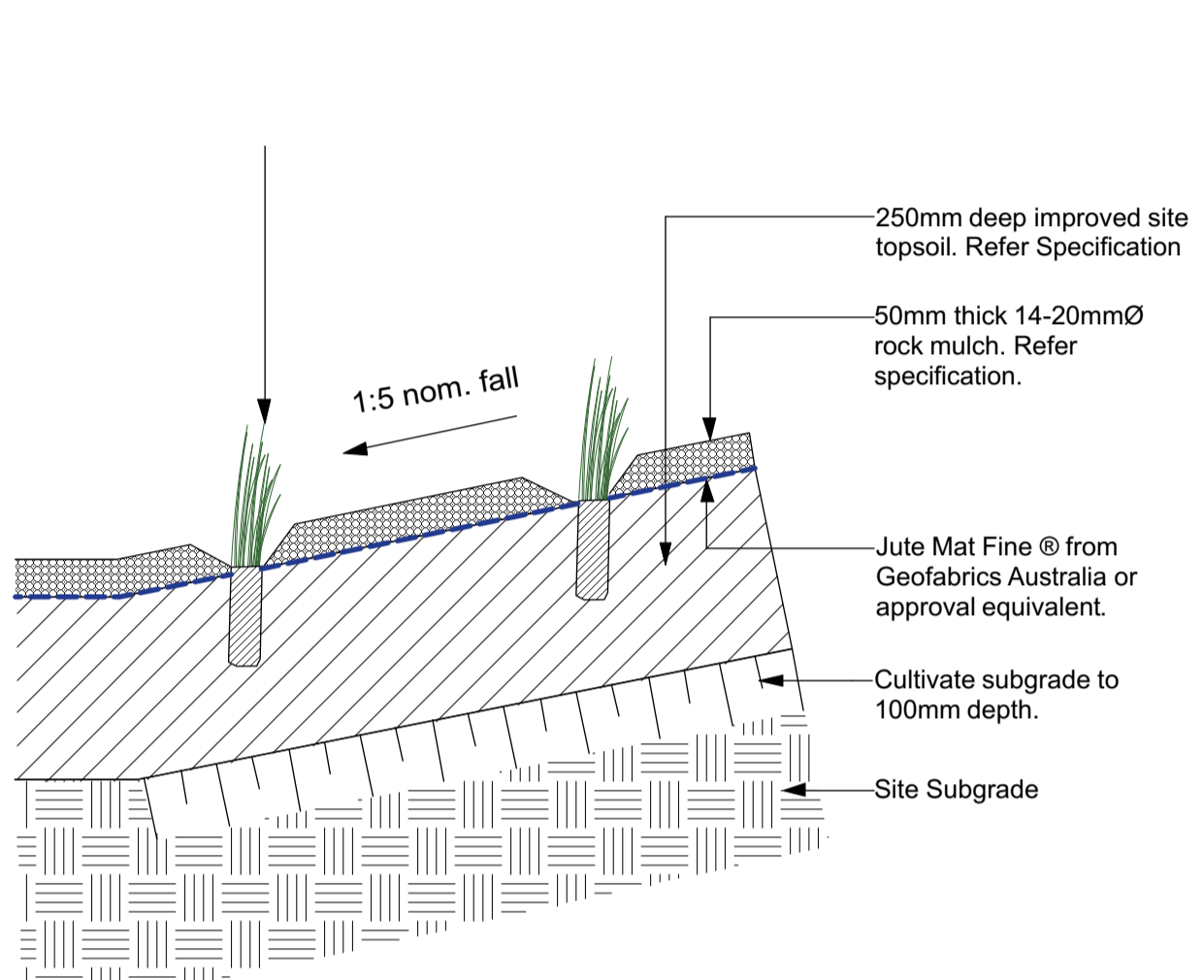
2 TREE & LARGE SHRUB PLANTING DETAIL
 Scale: 1:10



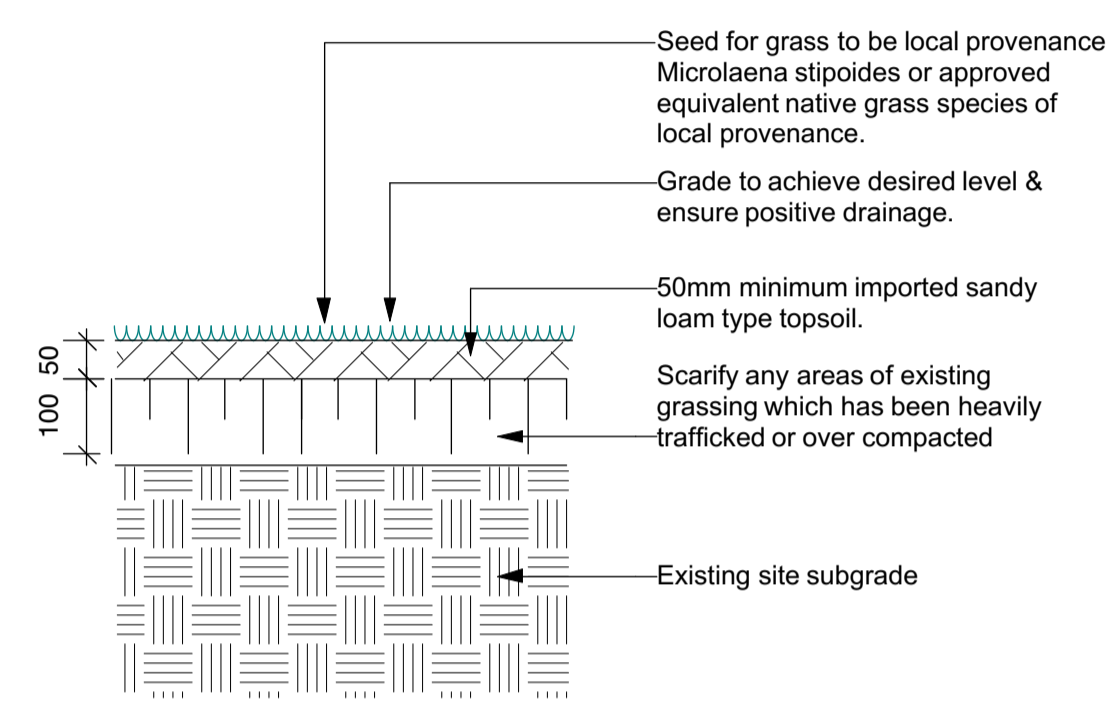
3 SPADE EDGE
 Scale: 1:10



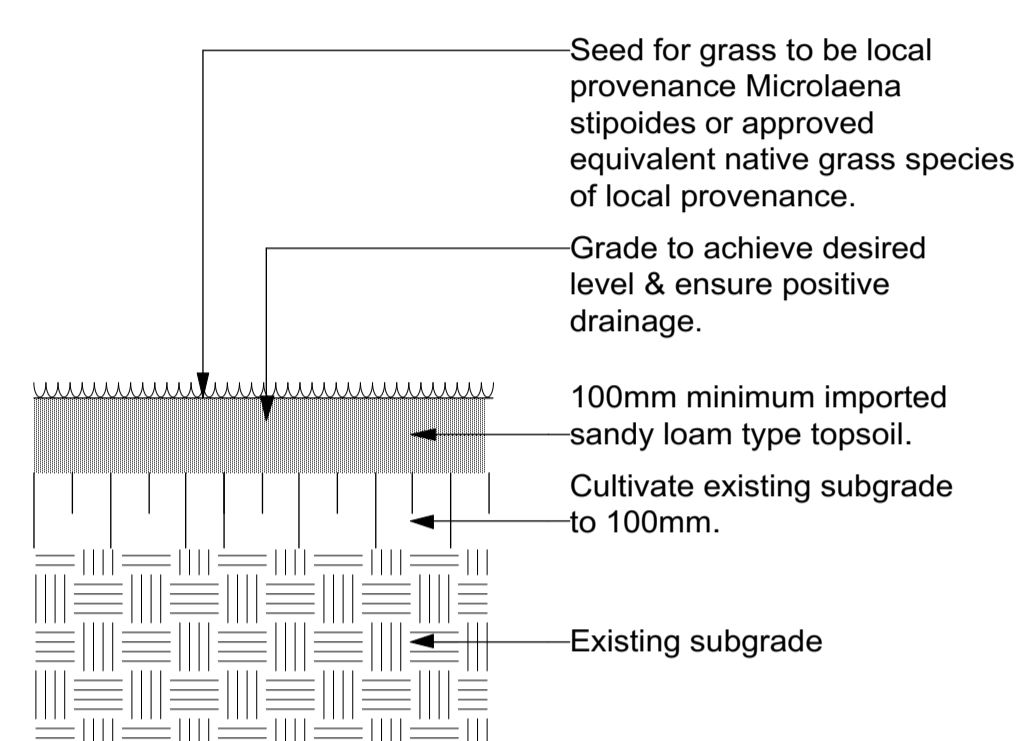
4 ROCK BASE & ENTRY DETAIL
 Scale: 1:10



5 GARDEN BED DETAIL - ROCK MULCH
 Scale: 1:10



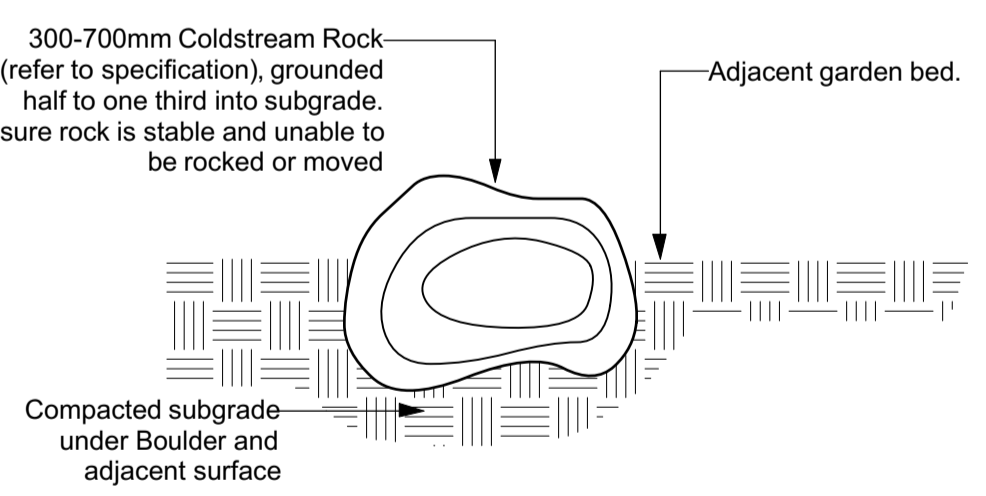
6 TOP DRESSING GRASS (MAKE GOOD GRASS)
 Scale: 1:10



7 NEW GRASS
 Scale: 1:10

Grass sowing notes
 Seed Sowing Rate:
 5-10kg/ha

GRASS SEEDING NOTE:
 CONTRACTOR SHALL ALLOW TO SEED AREAS SHOWN ON THE DRAWINGS AND/OR AREAS DAMAGED BY THE WORKS. NEW GRASSSED AREAS (REFER DETAIL 8/CD09) SHALL BE HYDROSEEDDED 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 STIPIOIDES, OR OTHER APPROVED INDIGENOUS GRASS OF LOCAL PROVENANCE. THE GRASS SPECIES SHALL BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO ORDERING AND INSTALLATION.



8 LANDSCAPE ROCK
 Scale: 1:20

PLANTING SCHEDULE						
Species	Code	Mature Size (h x w)	Common Name	Spacing	Qty	Pot Size
TREES						
<i>Eucalyptus cephalocarpa</i>	Euc cep	15x15m	Silver-leaf Stringybark	as per plan	6	Tubestock
<i>Eucalyptus melliodora</i>	Euc mell	12 x 9m	Yellow Box	as per plan	3	Tubestock
<i>Eucalyptus radiata</i>	Euc rad	17 x 10m	Narrow Leaved Peppermint Gum	as per plan	8	Tubestock
<i>Eucalyptus rubida</i>	Euc rub	20 x 15m	Candlebark	as per plan	5	Tubestock
LARGE SHRUBS						
<i>Acacia leprosa</i>	Aca lep	2-6m x 2-4m	Cinnamon Wattle	as per plan	14	Tubestock
<i>Acacia pycnantha</i>	Aca pyc	3-10 x 2-5m	Golden Wattle	as per plan	21	Tubestock
<i>Acacia verticillata ssp verticillata</i>	Aca ver	2-5m x 3-5m	Prickly Moses	as per plan	14	Tubestock
<i>Banksia marginata</i>	Ban mar	1-3m x 0.5-2m	Silver Banksia	as per plan	26	Tubestock
<i>Bursaria spinosa ssp spinosa</i>	Bur spi	2-6m x 2-3m	Sweet Bursaria	as per plan	23	Tubestock
<i>Pomaderris prunifolia var. prunifolia</i>	Pom pru	1-4m x 1-4m	Plum Leaf Pomaderris	as per plan	12	Tubestock
SMALL SHRUBS, GROUNDCOVERS & GRASSES						
<i>Arthropodium strictum</i>	Art stri	0.5 x 0.2m	Chocolate Lily	6/m2	901	Tubestock
<i>Bulbine bulbosa</i>	Bul bul	0.2-0.5m x 0.3m	Bulbine Lily	4/m2	295	Tubestock
<i>Carex gaudichaudiana</i>	Car gau	0.1-1.0m x 0.5m	Fen Sedge	4/m2	62	Tubestock
<i>Carex tereticaulis</i>	Car ter	1.0m x 1.0m	Basket Sedge	4/m2	131	Tubestock
<i>Centenella cordifolia</i>	Cen cor	Prostrate x 1-2m	Centenella	4/m2	108	Tubestock
<i>Chrysocephalum apiculatum</i>	Chr api	0.25-0.4m	Desert Flame	4m2	237	Tubestock
<i>Correa reflexa</i>	Cor ref	1 x 2m	Common Correa	2/m2	349	Tubestock
<i>Dianella revoluta var. revoluta</i>	Dia rev	1x 1m	Black-anther Flax Lily	2/m2	1488	Tubestock
<i>Dichondra repens</i>	Dic rep	Prostrate x 1-2m	Kidney Weed	4/m2	37	Tubestock
<i>Echinopogon ovatus</i>	Ech ova	0.1 x spreading	Common Hedgehog-grass	4/m2	37	Tubestock
<i>Goodenia geniculata</i>	Goo gen	0.1-0.5m	Benit Goodenia	4/m2	159	Tubestock
<i>Goodenia ovata</i>	Goo ova	1.5 x 1.5m	Hop Goodenia	2/m2	48	Tubestock
<i>Juncus flavidus</i>	Jun fla	0.4-1.2m x 0.2-1m	Yellow Rush	4/m2	152	Tubestock
<i>Juncus gregiflorus</i>	Jun gre	0.4-1.7m x 0.6-1.5m	Green Rush	4/m2	428	Tubestock
<i>Lomandra filiformis subs. filiformis</i>	Lom fil	0.5m x 0.2m	Wattle Mat Rush	4/m2	358	Tubestock
<i>Olearia myrsinoides</i>	Ole myr	1.0 x 1.0 m	Silky Daisy Bush	4/m2	696	Tubestock
<i>Poa sieberiana</i>	Poa sie	0.15-0.3m x 0.4m	Tussock grass	4/m2	478	Tubestock
<i>Pultenaea gunnii</i>	Pul gun	1 x 1m	Golden Bush-pea	2/m2	349	Tubestock
<i>Themeda triandra</i>	The tri	1 x 0.5m	Kangaroo Grass	4/m2	1394	Tubestock
<i>Veronica plebeia</i>	Ver ple	prostrate-2m	Trailing Speedwell	2/m2	39	Tubestock

PLANT SUPPLY NOTES

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

Candlebark Community Nursery

5 Taylor Road, Mooroolbark
 Ph: 0448 671 686

CRISP Community Nursery

17 Greenwood Avenue,
 Ringwood
 Ph: 9879 3911



GROUND FLOOR 143 FRANKLIN STREET
 MELBOURNE, VIC 3000
 T: (03) 9329 6844
 F: (03) 9329 6336
 E: office@urbaninitiatives.com.au
 W: www.urbaninitiatives.com.au

Client	Maroondah City Council
--------	------------------------

Consultants	Other 1	Other 2	Other 3	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
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 2-v2018.rvt

North	Scale
-------	-------

Project No.	16037
Lincoln Rd Streetscape Redesign - Stage 2	
Lincoln Road, Croydon	

Drawing No.	Rev #	Status.
CD09	OF	A
Drawing Name:	Planting and Details	