

# SPECIFIC NOTES

- PLASTIC MESH FENCING (BARRIER MESH) MUST BE USED TO PROTECT WORKSITE AND ALL APPROPRIATE SIGNS TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
- THE CONTRACTOR IS TO NOTIFY ALL RESIDENTS BY LETTER REGARDING ACCESS RESTRICTIONS TO THEIR PROPERTIES (AT LEAST 24HRS IN ADVANCE)
- IT IS THE CONTRACTORS RESPONSIBILITY TO TRANSFER ANY TBM'S THAT MAY BE AFFECTED BY THE
- 4. SETOUT DIMENSIONING AND RADII ARE FROM LIP OF KERB UNLESS OTHERWISE SHOWN

- THE CONTRACTOR IS TO VERIFY ALL LEVELS WITH THE SUPERVISING ENGINEER PRIOR TO COMMENCING ANY PAVEMENT WORKS.
- 2. ALL DISTURBED AREAS OUTSIDE THE WORKS ARE TO BE REINSTATED TO THE SATISFACTION OF COUNCIL.
- REMOVAL OF VEGETATION OR TRIMMING OF TREES IS TO BE DONE UNDER COUNCIL DIRECTION.
- NO TREE ROOTS GREATER THAN 40 mm ARE TO BE CUT BY THE CONTRACTOR. THE CONTRACTOR IS TO OBTAIN APPROVAL FROM THE SUPERVISING ENGINEER TO REMOVE TREE ROOTS GREATER THAN 40 mm.
- THE CONTRACTOR SHALL NOT CAUSE ANY DAMAGE TO TREE BRANCHES OR TREE TRUNKS
- BACKFILL ALL TRENCHES BENEATH ROAD PAVEMENT AND VEHICLE CROSSINGS WITH CLASS 2 OR CLASS

- 1. ALL DRAINAGE WORKS TO BE TO AS3500
- 2. ALL DRAINAGE PIPES TO BE LAID TRUE TO LINE AND GRADE ON MIN 100mm OF 20mm CLASS 2 CRUSHED
- L REINFORCED CONCRETE DRAINAGE PIPES TO BE RUBBER RING JOINTED AND CLASS 4, UNLESS
- ALL UPVC PIPES SHALL BE SEWER CLASS SN8 EXTRA HEAVY DUTY, SOLVENT WELDED UNLESS
- 5. ALL PITS 1.0m DEPTH AND OVER TO BE FITTED WITH STEP IRONS.
- 6. ALL PITS TO HAVE FORMED BASES TO ALLOW SMOOTH FLOWS THROUGH PITS.
- ALL DRAINAGE TRENCHES IN ROADWAY TO BE BACKFILLED WITH 20mm CLASS 3 CRUSHED CONCRETE TO

#### SERVICING

- THE LOCATION OF ALL EXISTING SERVICES IS BASED ON INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL SERVICES BEFORE COMMENCING WORKS AND PROTECT THE SAME FOR THE DURATION OF THE WORKS.
- "NO GO ZONES" TO BE ADHERED TO FOR ALL EXISTING SERVICES WHEN WORKING AROUND OR UNDER THEM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE RELEVANT SERVICE PROVIDER AS TO CLEARANCES

- THE LOCATION OF ALL EXISTING SIGNS ARE TO BE RECORDED PRIOR TO THE COMMENCEMENT OF WORKS AND ANY REMOVED TO MAKE WAY FOR THE WORKS ARE TO BE REINSTATED TO ORIGINAL POSITION OR TO A LOCATION AS DIRECTED BY SUPERVISING ENGINEER
- ALL LINE MARKING IS TO BE REINSTATED IN ORIGINAL POSITION WHERE DISTURBED OR REMOVED BY CONCRETE PAVEMENT AND OR ASPHALT REPLACEMENT UNLESS OTHERWISE SHOWN
- REMOVE EXIST. VEHICLE CROSSINGS RAMPS AND RECONSTRUCT TO COUNCIL STANDARDS AND DETAILS
- 4. ALL EXISTING HOUSE DRAINS SHALL BE RECONNECTED TO THE UNDERGROUND DRAINAGE SYSTEM UNLESS SHOWN OTHERWISE OR DIRECTED BY THE SUPERVISING ENGINEER IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARDS MCC-301 TO MCC-304 AT A MINIMUM GRADE OF 1:100. MARCONDARI OF COUNCIL STANDARDS INCCOULT ON UCCOUNT AT A MINIMIOM OFFICE SPECIFIED. NOT ALL HOUSE WATER DRAINS MAY BE SHOWN, CONTRACTOR TO CHECK DURING CONSTRUCTION AND CONNECT IN ACCORDANCE TO COUNCIL REQUIREMENTS.

# SHARED USER PATH WORKS

# **TARRALLA CREEK TRAIL - SITE 3**

# (BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)



WARNING
BEWARE OF UNDERGROUND SERVICES
HE LOCATION OF EXESTING UNDERGROUND SERVICES ARE APPROXIMATE
ONLY AND THERE PEACT POSITION SHOULD BE PROVEN ON SITE. NO
GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

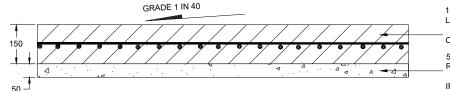
#### DRAWING INDEX

SHEET No.	TITLE
1	TITLE SHEET - GENERAL NOTES, LOCALITY PLAN, DRAWING INDEX & OVERALL PLAN
2	GENERAL LAYOUT PLAN
3	GENERAL LAYOUT PLAN
4	SIGNS & LINE MARKING PLAN
5	SIGNS & LINE MARKING PLAN
6	LONGITUDINAL SECTION - CENTRELINE 'A'
7	LONGITUDINAL SECTION - CENTRELINE 'A'
8 to 11	CROSS-SECTIONS
12	DETAILS - MESH FENCE (EXTRACT)
13	DETAILS - RETAINING WALL (EXTRACT)

- ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS UNLESS SPECIFIED OTHERWISE
- WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND DEPTHS PRIOR TO THE COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL ADVISE THE SUPERINTENDENT OF ANY REQUIRED ALTERATIONS.
- ALL WORK PRACTICES SHALL COMPLY WITH THE OCCUPATIONAL HEALTH & SAFETY ACT AND AL RELEVANT REGULATIONS AND CODES OF PRACTICE. (IN PARTICULAR, THE CODE OF PRACTICE FOR SAFETY PRECAUTIONS IN TRENCHING OPERATIONS).
- WORKSAFE VICTORIA IS TO BE INFORMED FOR TRENCHING OPERATIONS WHERE THE DEPTH IS
- THE CONTRACTOR SHALL STRICTLY COMPLY WITH "NO GO ZONE" CLEARANCE REQUIREMENTS WHEN WORKING WITHIN THE VICINITY OF OVERHEAD ELECTRICAL ASSETS/CABLES, . FOR ANY OPERATION WHICH ENCROACHES ON THE 3.0M "NO GO ZONE", THE CONTRACTOR SHALL OBTAIN A WRITTEN PERMIT TO WORK FROM WORKSAFE. FOR FURTHER INFORMATION ON "NO GO ZONE" CLEARANCE REQUIREMENTS, REFER TO CURRENT WORKSAFE VICTORIA PUBLICATIONS (WWW WORKSAFE VIC GOV ALI)
- ALL CONCRETE SHALL BE SAWCUT TO THE NEAREST JOINT UNLESS SPECIFIED OTHERWISE
- ALL SERVICE COVERS WITHIN THE LIMIT OF WORKS SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED SURFACE LEVELS.
- NO TREES SHALL BE REMOVED UNLESS AUTHORISED BY MAROONDAH CITY COUNCIL.
- ALL DISTURBED AREAS SHALL BE TOPSOILED AND SEEDED TO A MINIMUM DEPTH OF 100r NATURE STRIPS SHALL BE GRADED EVENLY FROM THE TOP OF KERB TO THE FRONT OF PATH OR
- SITE EROSION CONTROL AND MINIMISATION MEASURES SHALL BE ADOPTED AT ALL TIMES IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AUTHORITY'S ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES.
- TRAFFIC MANAGEMENT IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE ROAD MANAGEMENT ACT 2004 AND AS1742.3. ALL SIGNAGE (TEMPORARY AND PERMANENT) SHALL BE CLASS 1
  REFLECTIVE GRADE.
- AN APPROVED COPY OF PLANS AND SPECIFICATIONS SHALL BE AVAILABLE ON SITE AT ALL TIMES DURING CONSTRUCTION.
- ALL CONCRETE TO HAVE COMPRESSIVE STRENGTH AT 28 DAYS NOT LESS THAN 25 MPa.
- ALL LINEMARKING TO BE IN ACCORDANCE WITH AS1742.1 AND TO BE LONG LIFE THERMOPLASTIC IN ACCORDANCE WITH VICROADS SECTION 724.

#### SEDIMENT CONTROL

- CONTRACTORS SHALL ENSURE THAT ALL WORKS COMPLY WITH THE REQUIREMENTS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR
- POLLUTION CONTROL"-EPA PUBLICATION NO. 175.
- 2. CONTRACTORS SHALL INSTALL MEASURES TO ENSURE ANY SEDIMENT OR LITTER GENERATED AS A RESULT OF THE WORKS IS CONTAINED ON THE SITE. THESE MEASURES SHALL INCLUDE DEVICES SUCH AS SILT FENCES WHICH ARE TO BE LOCATED AT ALL SOURCES OF SEDIMENT SUCH AS WORKS STOCKPILED, ENDS OF ROAD EXCAVATION, DRAINAGE OUTLETS ETC
- CONTRACTORS SHALL ENSURE THAT VEHICLES ASSOCIATED WITH THE WORKS DO NOT DEPOSIT DIRT OR RUBBISH ONTO ROADS. ANY MATERIAL DEPOSITED SHALL BE PROMPTLY CLEANED UF WITHOUT CONTAMINATING ANY WATERWAY.
- 4 THE CONTRACTORS SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL SEDIMENT AND LITTER



150mm 32 Mpa CONCRETE WITH CENTRALLY LOCATED SI 82 REINFORCEMENT

CONCRETE COLOUR TO BE 4% CHARCOAL

50mm THICK, CLASS 3, 20mm STONE, CRUSHED

IF EXISTING SUBGRADE IS 'SOFT' CONTRACTOR TO SUBSTITUTE BASE WITH 150mm CEMENT TREATED CRUSHED ROCK FOLLOWING CONFIRMATION FROM COUNCIL'S ENGINEER

#### SHARED USER PATH PAVEMENT DETAILS



DETAILED DESIGN - ISSUED FOR REVIEW FUNCTIONAL DESIGN - ISSUED FOR REVIEW 17-06-20 FUNCTIONAL DESIGN - ISSUED FOR REVIEW 2 FOR INFORMATION 00 FOR INFORMATION

**CONSULTING ENGINEERING** Specialist Civil Engineering Design Consultants

Commitment | Communication | Collaboration

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ORIGINAL SCALE & SHEET SIZE	LOCAL GOVERNMENT AREA
AS SHOWN @ A1	CITY OF MAROONDAH
HEIGHT DATUM	CLIENT
AHD	
COORDINATE DATUM	
MGA 94 ZONE 55	aroondah
SURVEY DATE	
2016	City Council
AERIAL IMAGE DATE	CLIENT PROJECT MANAGER / CONTACT
23-11-2017	MATT WRIGHT   MAROONDAH CITY COUNCIL

# DETAILED DESIGN

# **SHARED USER PATH WORKS**

TARRALLA CREEK TRAIL SITE 3

(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

TITLE SHEET - GENERAL NOTES, LOCALITY PLAN, DRAWING INDEX & OVERALL PLAN

PC1745A 01 or 13 06 PC1745A -01 - (

SHARED USER PATH - 150mm THICK REINFORCED

MINIMUM 50mm THICK CLASS 3 CRUSHED ROCK, SIZE 20mm STONE

CONCRETE SLEEPER RETAINING WALL IN ACCORDANCE WITH STRUCTURAL ENGINEERS DRAWING 21166-S01 & 02 (REV 0) OF DAVIS NAISMITH & McGOVERN

PROPOSED PAVEMENT LINE MARKING

EXISTING CONTOUR MAJOR (1.0m) EXISTING CONTOUR MINOR (0.20m)

\_\_\_\_EXS\_\_\_\_ EXISTING SEWER

R8-2 - SHARED USER PATH

LANDSCAPING AREA TO BE REINSTATED WITH

LANDSCAPING AREA TO BE REINSTATED WITH



CUSTOM - L & R ARROWS



END

R7-4 - END

FILL BATTER EXTENT

CUT BATTER EXTENT

TREE TO BE REMOVED

#### **RETAINING WALL HEIGHT TABLE**

Start CH (m)	End CH (m)	Start H (m)	End H (m)
20	35	0.2	0.6
35	90	0.6	0.6
90	100	0.6	0.8
100	110	0.8	0.8
110	120	0.8	1.0
120	135	1.0	1.0
135	145	1.0	0.2

## SURVEY CURVE / ARC SETOUT DETAIL TABLES

nd CH (m)	Start H (m)	End H (m)
35	0.2	0.6
90	0.6	0.6
100	0.6	0.8
110	0.8	0.8
120	0.8	1.0
135	1.0	1.0
145	1.0	0.2

CENTE	RELINE	CENTF	RELINE
CUR\	/E 'A'	CUR\	/E 'B'
SET OUT	DETAILS	SET OUT	DETAILS
RAD.	100	RAD.	100
INT	8°11'27"	INT	8°1'45"
TAN	7.16	TAN	7.018
CHD	14.284	CHD	14.002
ARC	14.296	ARC	14.014
M1	0.255	M1	0.245
M2	0.064	M2	0.061

CENTRELINE CURVE 'E'
SET OUT DETAILS
RAD. 30
INT 36°20'59" TAN 9.849 CHD 18.715

ARC 19.033 1.497 0.377

M1

CENTF	RELINE	CENTF	RELINE
CUR\	√E 'F'	CUR\	/E 'G'
SET OUT	DETAILS	SET OUT	DETAI
RAD.	70	RAD.	200
INT	11°17'2"	INT	3°16'43
TAN	6.916	TAN	5.724
CHD	13.765	CHD	11.443
ARC	13.787	ARC	11.444
M1	0.339	M1	0.082
M2	0.085	M2	0.02

CENTRELINE			CENTF	RELINE
CURVE 'C'			CUR\	/E 'D'
SET OUT	DETAILS		SET OUT	DETAILS
RAD.	100		RAD.	70
INT	18°47'19"		INT	25°16'40"
TAN	16.545		TAN	15.697
CHD	32.646		CHD	30.633
ARC	32.792		ARC	30.883
M1	1.341		M1	1.696
M2	0.336		M2	0.425





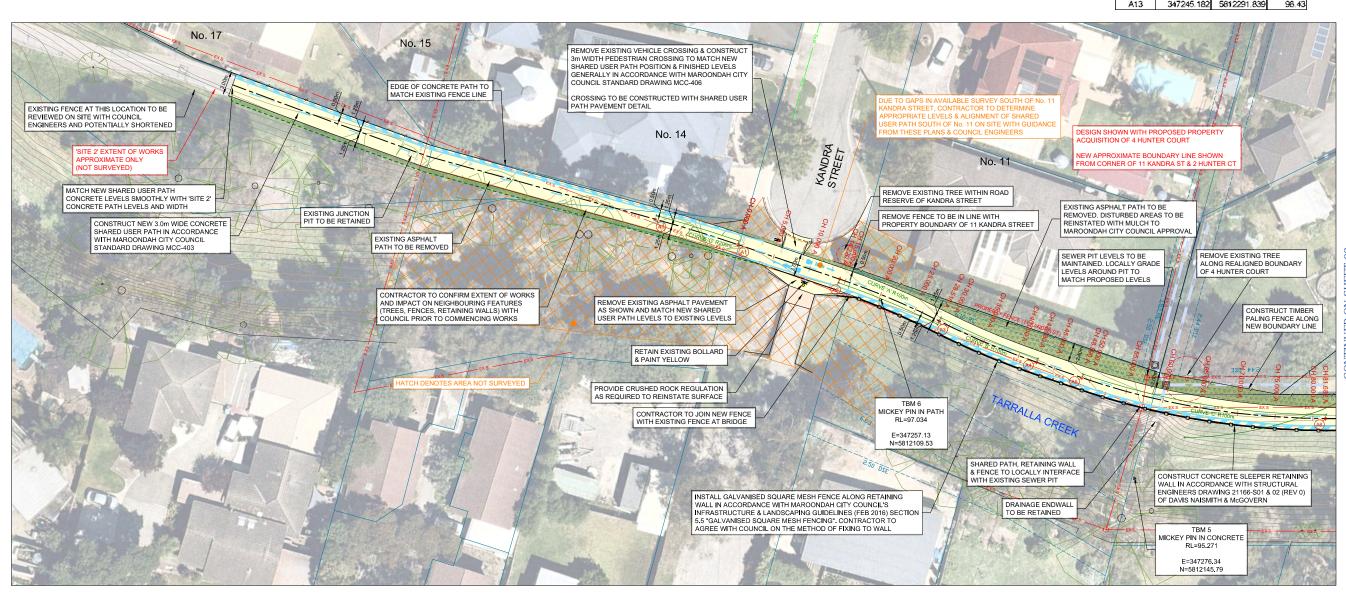
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#### SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS:

### CENTRELINE 'A'

OLIVINE /				
Point	Easting	Northing	FS	
Number	(m)	(m)	(m RL)	
A0	347250.335	5812078.549	-	
A1	347252.293	5812089.824	96.80	
A2	347255.127	5812103.757	96.94	
A3	347258.965	5812117.516	97.18	
A4	347262.747	5812130.998	97.39	
A5	347264.032	5812137.227	97,49	
A6	347265.32	5812169.847	97.58	
A7	347260.331	5812209.711	97.91	
A8	347249.968	5812238.538	98.64	
A9	347245.366	5812256.679	98.84	
A10	347246.395	5812271.624	98.47	
A11	347246,177	5812283.74	98.52	
A12	347246.005	5812285.383	98.51	
A13	347245 182	5812291.839	98 43	



#### GENERAL LAYOUT PLAN



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I			
ı	06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-2021
I	05	DETAILED DESIGN - ISSUED FOR REVIEW	05-07-2021
I	04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-06-2021
I	03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	24-05-2021
I	02	FOR INFORMATION	26-08-2020
I	01	FOR INFORMATION	18-08-2020
I	00	FOR INFORMATION	05-08-2020
I	VER	DESCRIPTION	DATE



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CHRIS PROCTOR



ORIGINAL SCALE & SHEET SIZE	LOCAL GOVERNMENT AREA
AS SHOWN @ A1	CITY OF MAROONDAH
HEIGHT DATUM	CLIENT
AHD	
COORDINATE DATUM	
MGA 94 ZONE 55	aroondah
SURVEY DATE	
2016	City Council
AERIAL IMAGE DATE	CLIENT PROJECT MANAGER / CONTACT
23-11-2017	MATT WRIGHT I MAROONDAH CITY COUNCIL

# DETAILED DESIGN

## **SHARED USER PATH WORKS** TARRALLA CREEK TRAIL SITE 3

(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

GENERAL LAYOUT PLAN

PC1745A 02 of 13 06 PC1745A -02 - 0

SHARED USER PATH - 150mm THICK REINFORCED

MINIMUM 50mm THICK CLASS 3 CRUSHED ROCK, SIZE 20mm STONE

CONCRETE SLEEPER RETAINING WALL IN ACCORDANCE WITH STRUCTURAL ENGINEERS DRAWING 21166-S01 & 02 (REV 0) OF DAVIS NAISMITH & McGOVERN

PROPOSED PAVEMENT LINE MARKING

EXISTING CONTOUR MAJOR (1.0m) EXISTING CONTOUR MINOR (0.20m) EXISTING GAS

\_\_\_\_EXS\_\_\_\_ EXISTING SEWER

LANDSCAPING AREA TO BE REINSTATED WITH

LANDSCAPING AREA TO BE REINSTATED WITH

FILL BATTER EXTENT

CUT BATTER EXTENT TREE TO BE REMOVED



R8-2 - SHARED USER PATH



CUSTOM - L & R ARROWS

END

R7-4 - END

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CENTRELINE		
CUR\	/E 'A'	
SET OUT DETAILS		
RAD.	100	
INT	8°11'27"	
TAN	7.16	
CHD	14.284	
ARC	14.296	
M1	0.255	
M2	0.064	

CURVE 'E'
SET OUT DETAILS
RAD. 30
INT 36°20'F

TAN 9.849 CHD 18.715 ARC 19.033

1.497

M1

CENTF	RELINE
CUR\	/E 'F'
SET OUT	DETAIL
RAD.	70
INT	11°17'2"
TAN	6.916
CHD	13.765
ARC	13.787
M1	0.339

CENTRELINE

CURVE 'B'

 SET OUT DETAILS

 RAD.
 100

 INT
 8°1'45"

CHD 14.002 ARC 14.014 M1 0.245

M1 0.245 M2 0.061

17.01	10.010
CHD	32.646
ARC	32.792
M1	1.341
M2	0.336
CENTR CUR\ SET OUT	
INT	3°16'43"
TAN	5.724
CHD	11 443

ARC 11.444

0.082

CENTRELINE

CURVE 'C' SET OUT DETAILS RAD. 100

TAN 16.545

INT

18°47'19"



CENTRELINE

CURVE 'D' SET OUT DETAILS RAD. 70

TAN 15.697

CHD 30.633 ARC 30.883 M1 1.696

25°16'40"

0.425

INT



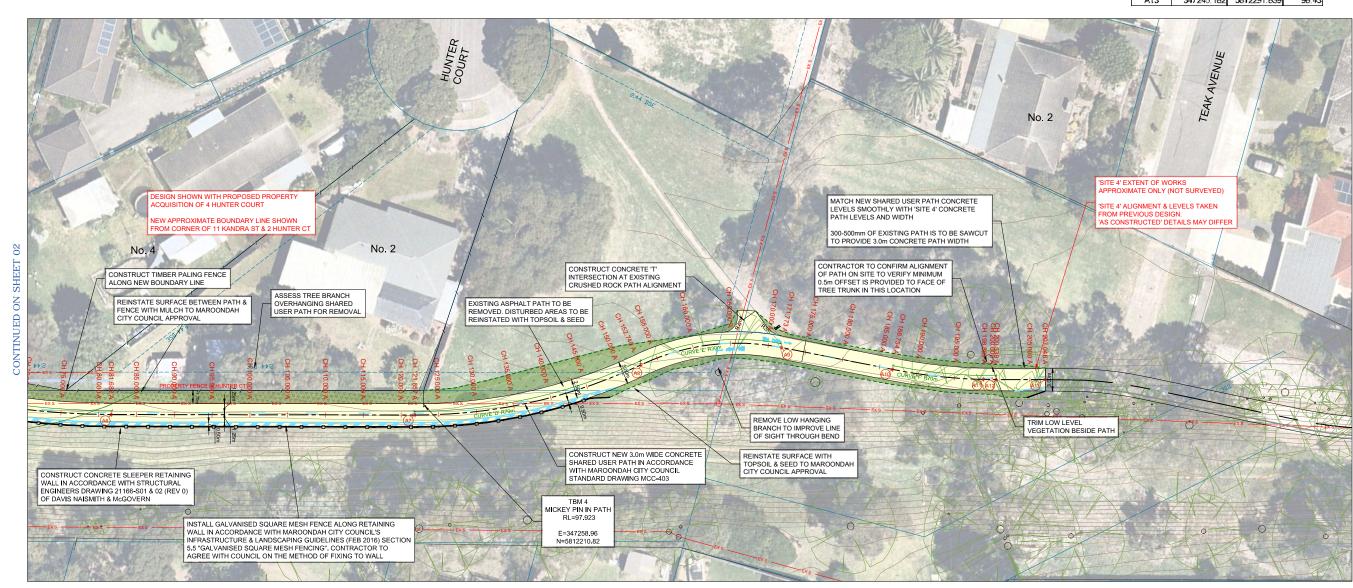
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### GENERAL LAYOUT PLAN



06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-2021
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RIGINAL SCALE & SHEET SIZE	LOCAL GOVERNMENT AREA
AS SHOWN @ A1	CITY OF MAROONDAH
EIGHT DATUM	CLIENT
AHD	
OORDINATE DATUM	
MGA 94 ZONE 55	aroondah
URVEY DATE	
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# DETAILED DESIGN

## **SHARED USER PATH WORKS** TARRALLA CREEK TRAIL SITE 3

(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

GENERAL LAYOUT PLAN

PC1745A 03 or 13 06 PC1745A -03 - 0

SHARED USER PATH - 150mm THICK REINFORCED CONCRETE IN ACCORDANCE WITH DETAIL ON SHEET 01 MINIMUM 50mm THICK CLASS 3 CRUSHED ROCK, SIZE 20mm STONE

CONCRETE SLEEPER RETAINING WALL IN ACCORDANCE WITH STRUCTURAL ENGINEERS

DRAWING 21166-S01 & 02 (REV 0) OF DAVIS NAISMITH & McGOVERN PROPOSED PAVEMENT LINE MARKING

EXISTING CONTOUR MAJOR (1.0m) EXISTING CONTOUR MINOR (0.20m)

\_\_\_\_EXS\_\_\_\_ EXISTING SEWER

LANDSCAPING AREA TO BE REINSTATED WITH TOPSOIL & SEED

LANDSCAPING AREA TO BE REINSTATED WITH

FILL BATTER EXTENT CUT BATTER EXTENT

TREE TO BE REMOVED

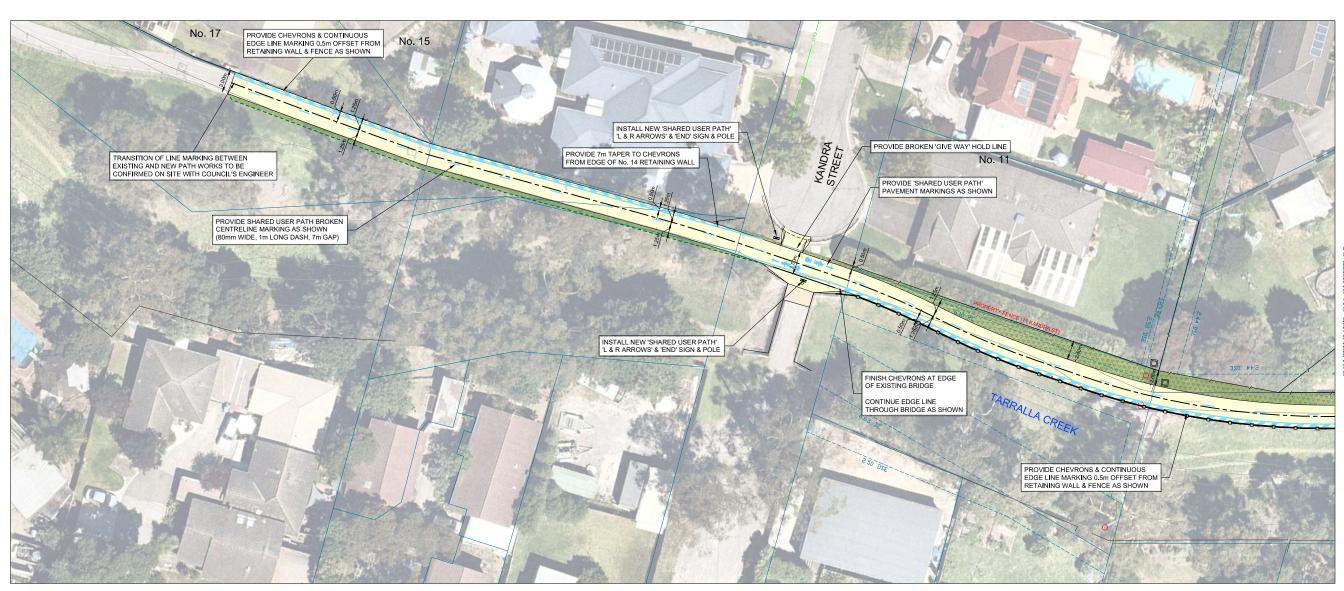


R8-2 - SHARED USER PATH

CUSTOM - L & R ARROWS



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# SIGNS & LINE MARKING PLAN

06 DETAILED DESIGN - ISSUED FOR REVIEW 05 DETAILED DESIGN - ISSUED FOR REVIEW 17-06-202 24-05-202 FUNCTIONAL DESIGN - ISSUED FOR REVIEW FUNCTIONAL DESIGN - ISSUED FOR REVIEW 02 FOR INFORMATION 01 FOR INFORMATION 00 FOR INFORMATION VER DESCRIPTION

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IL ENGINEERING DESIGN
TECHNICAL PEER REVIEW LUKE WHITFIELD KURT CHAMBERLAIN

CHRIS PROCTOR

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OR AS SHOWN	

RIGINAL SCALE & SHEET SIZE	LOCAL GOVERNMENT AREA
AS SHOWN @ A1	CITY OF MAROONDAH
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TARRALLA CREEK TRAIL SITE 3 (BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

SIGNS & LINE MARKING PLAN

PC1745A 04 of 13 06

PC1745A -04 - 0

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LANDSCAPING AREA TO BE REINSTATED WITH TOPSOIL & SEED

LANDSCAPING AREA TO BE REINSTATED WITH

FILL BATTER EXTENT

CUT BATTER EXTENT

TREE TO BE REMOVED



R8-2 - SHARED USER PATH

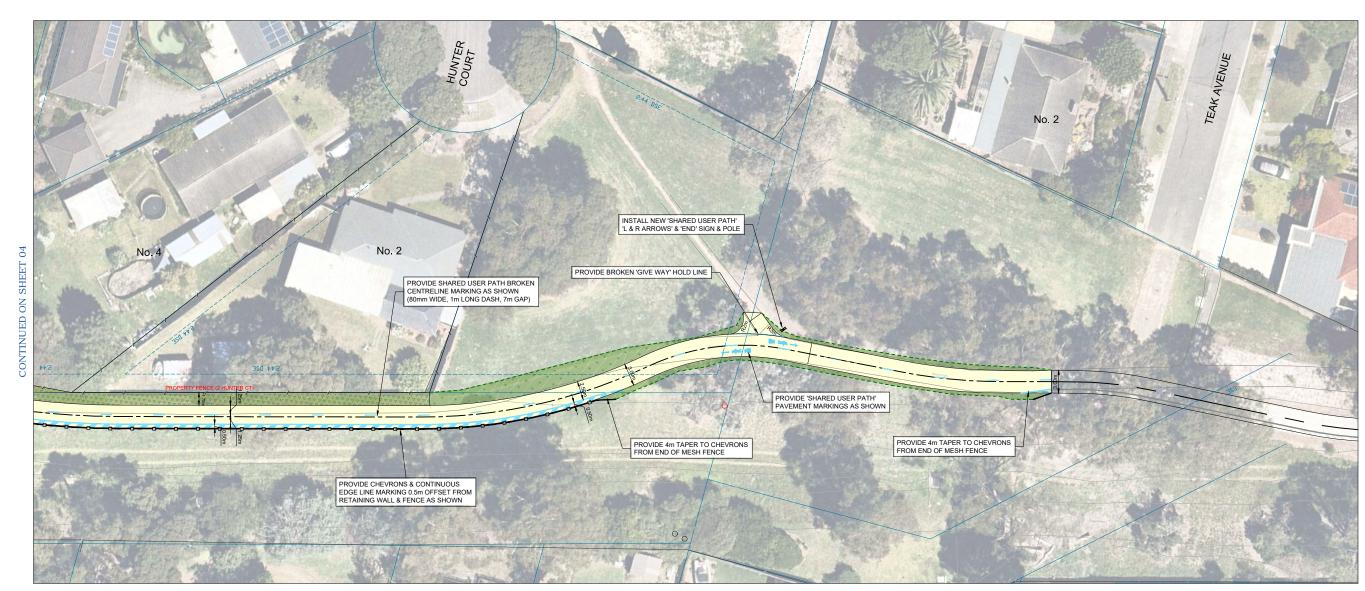
CUSTOM - L & R ARROWS

END

R7-4 - END



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# SIGNS & LINE MARKING PLAN

			CONSULTANT ENGINEER
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05	DETAILED DESIGN - ISSUED FOR REVIEW	05-07-2021	
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-06-2021	
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	24-05-2021	CONSULTING ENGINEERING
02	FOR INFORMATION	26-08-2020	CONSOLITING ENGINEERING
01	FOR INFORMATION	18-08-2020	Specialist Civil Engineering Design Consultants
00	FOR INFORMATION	05-08-2020	, , , , , , ,
VER	DESCRIPTION	DATE	Commitment   Communication   Collaboration

ORII	PROCIVIL CONSULTING PTY LTD			
	ABN 51 759 386 092			
	H HWY, RINGWOOD VIC 3134	SUITE 9, 12 MAROONDA		
	PO BOX 164, RINGWOOD VIC 3134			
	P: (03) 8644 6834			
-	E: info@procivil.com.au			
1	www.procivil.com.au			
	TECHNICAL PEER REVIEW	CIVIL ENGINEERING DESIGN		
	KURT CHAMBERLAIN	LUKE WHITFIELD		

CHRIS PROCTOR

ORIENTATION	ORIGINAL SCALE & SHEET SIZE AS SHOWN @ A1	LOCAL GOVERNMENT AREA  CITY OF MAROONDAH
	HEIGHT DATUM  AHD  COORDINATE DATUM	CLIENT
H	MGA 94 ZONE 55 SURVEY DATE	aroondah City Council
	2016	City Council
U OR AS SHOWN	AERIAL IMAGE DATE 23-11-2017	CLIENT PROJECT MANAGER / CONTACT MATT WRIGHT   MAROONDAH CITY COUNCIL

DETAILED DESIGN
SHARED USER PATH WORKS
TARRALLA CREEK TRAIL SITE 3
(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

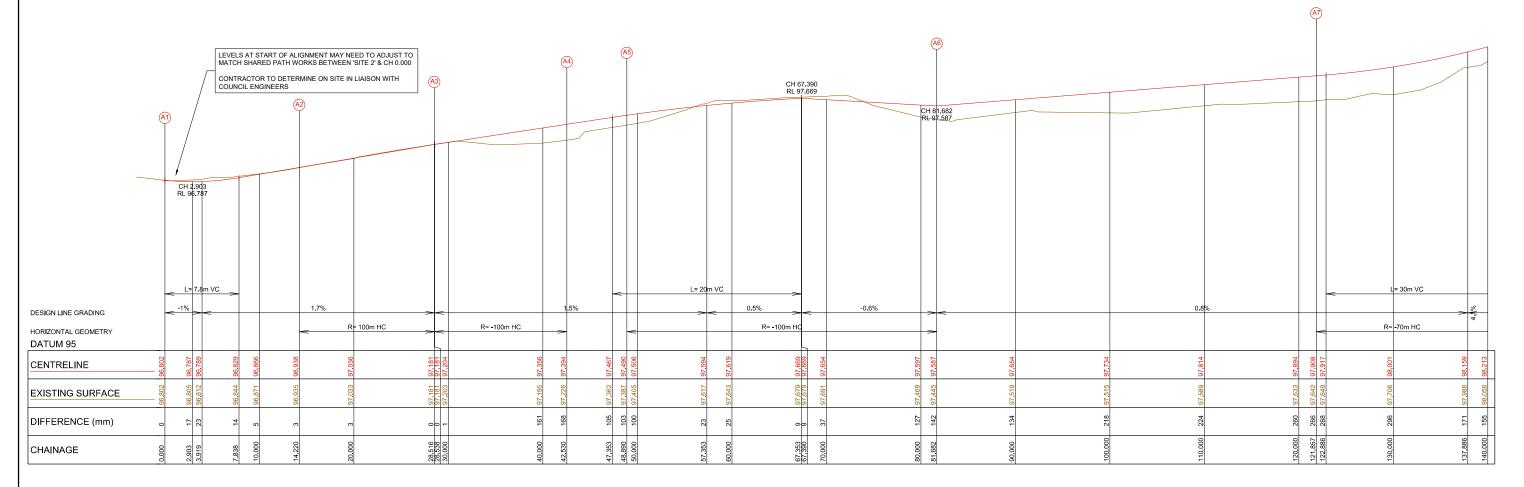
SIGNS & LINE MARKING PLAN

05 of 13 06 DWG No. PC1745A -05 - 0

PC1745A



WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE
ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO
GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



## LONGITUDINAL SECTION - CENTRELINE 'A'



			CONSULTANT ENGINEER
06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-2021	
05	DETAILED DESIGN - ISSUED FOR REVIEW	05-07-2021	
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-06-2021	
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	24-05-2021	CONSULTING ENGINEERING
02	FOR INFORMATION	26-08-2020	CONSOLIING ENGINEENING
01	FOR INFORMATION	18-08-2020	Specialist Civil Engineering Design Consultants
00	FOR INFORMATION	05-08-2020	, , , , , , , , , , , , , , , , , , , ,
VER	DESCRIPTION	DATE	Commitment   Communication   Collaboration

1	PROCIVIL	CONSULTING PTY LTD	ORIENTATION
1		ABN 51 759 386 092	-
		HWY, RINGWOOD VIC 3134	
1	PO BOX	X 164, RINGWOOD VIC 3134	
1		P: (03) 8644 6834 E: info@procivil.com.au	
1			
ı		www.procivil.com.au	
	CIVIL ENGINEERING DESIGN T	FECHNICAL PEER REVIEW	
1	LUKE WHITFIELD	KURT CHAMBERLAIN	J
Ī	REGISTERED & CHARTERED PROFESSIONAL E	ENGINEER	Ц
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ORIGINAL SCALE & SHEET SIZE AS SHOWN @ A1	LOCAL GOVERNMENT AREA CITY OF MAROONDAH
HEIGHT DATUM	CLIENT
AHD	
COORDINATE DATUM	
MGA 94 ZONE 55	aroondah
SURVEY DATE	
2016	City Council
AERIAL IMAGE DATE	CLIENT PROJECT MANAGER / CONTACT
23 11 2017	MATT MEIGHT I MARCONDAH CITY COLINCII

DETAILED DESIGN
SHARED USER PATH WORKS
TARRALLA CREEK TRAIL SITE 3

(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

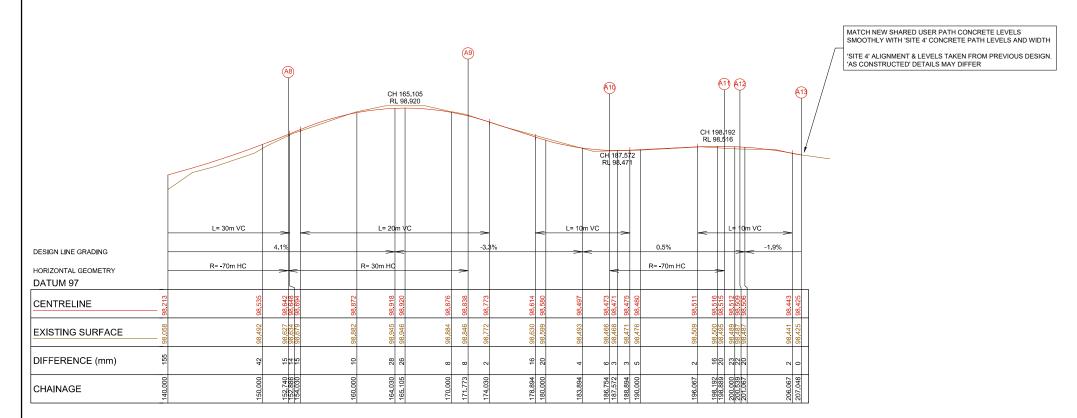
LONGITUDINAL SECTION - CENTRELINE 'A'

PROJECT	No.	
PC	174	15A
SHEET No	).	
06	OF	13
VERSION		
	06	

DWG No. PC1745A -06 - 06



WARNING
BEWARE OF UNDERGROUND SERVICES
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## LONGITUDINAL SECTION - CENTRELINE 'A'



			CONSULTANT ENGINEER
06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-2021	
05	DETAILED DESIGN - ISSUED FOR REVIEW	05-07-2021	
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02	FOR INFORMATION	26-08-2020	CONSOLITING ENGINEER
01	FOR INFORMATION	18-08-2020	Specialist Civil Engineering Design Consu
00	FOR INFORMATION	05-08-2020	
VER	DESCRIPTION	DATE	Commitment   Communication   Collaboration

NG ENGINEERING gineering Design Consultants

PROCIVIL CONSULTING PTY LTD

ABN 51 759 386 092 ABN 51 759 386 092
SUITE 9, 12 MAROONDAH HWY, RINGWOOD VIC 3134
PO BOX 164, RINGWOOD VIC 3134
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IL ENGINEERING DESIGN
TECHNICAL PEER REVIEW LUKE WHITFIELD KURT CHAMBERLAIN

CHRIS PROCTOR

	ORIENTATION	ORIGI
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	OR AS SHOWN	

ORIGINAL SCALE & SHEET SIZE AS SHOWN @ A1	CITY OF MAROONDAH
HEIGHT DATUM	CLIENT
AHD	
COORDINATE DATUM	
MGA 94 ZONE 55	aroondah
SURVEY DATE	
2016	City Council
AERIAL IMAGE DATE	CLIENT PROJECT MANAGER / CONTACT
23-11-2017	MATT WEIGHT I MARCONDAH CITY COLINCII

DETAILED DESIGN **SHARED USER PATH WORKS** TARRALLA CREEK TRAIL SITE 3

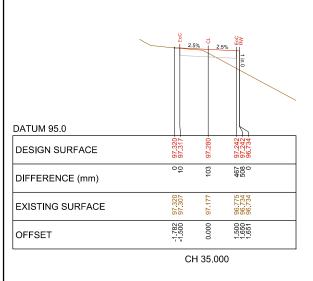
(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

LONGITUDINAL SECTION - CENTRELINE 'A'

PC1745A 07 of 13 06 DWG No. PC1745A -07 - 06

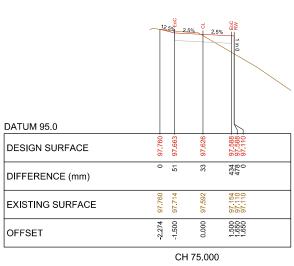


WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF EXESTING UNDERGROUND SERVICES ARE APPROXIMATE
ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO
GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



	1%	2.5	% <mark>ರ</mark> 2.5	MAY 1 In 0	
DATUM 95.0					
DESIGN SURFACE	97.488	97.469	97.432	97.394 97.394 96.835	
DIFFERENCE (mm)	0	92	108	519 559 0	
EXISTING SURFACE	97.488	97.377	97.324	96.875 96.835 96.835	
OFFSET	3.413	-1.500	0.000	1.500 1.650 1.651	
		CH 45	.000		

CONTRACTOR TO BATTER LEFT HAND SIDE OF PATH TO BASE OF NEW FENCE ALONG No. 4 HUNTER COURT	2.5% 0 2.5%
OATUM 95.0	
DESIGN SURFACE	97.656 97.619- 97.581 97.581
DIFFERENCE (mm)	25 329 0
EXISTING SURFACE	97.643 97.519 97.252 97.251
OFFSET	0.000 1.500 1.650 1.650
ROPERTY No. 4 HUNTER COURT	CH 60.000



	12.6% 2.59	ő <u>2</u>	5% 1150	
DATUM 95.0			1	
DESIGN SURFACE	97.284-	97.181	97.143 97.143 96.780	
DIFFERENCE (mm)	39	0	321 363 0	
EXISTING SURFACE	97.284	97.181	96.822 96.780 96.780	
OFFSET	2.022	0.000	1.500 1.650 1.650	
	СН	28.51	6	

	11	% 2.5	5% 2.5	NA In 0	
DATUM 95.0					
DESIGN SURFACE	97.449	97.432	97.394	97.357 97.357 96.788	
DIFFERENCE (mm)	Ō	77	168	528 568 0	
EXISTING SURFACE	97.449	97.354	97.226	96.828 96.788 96.788	
OFFSET	-3.291	1.500	0.000	1.500 1.650 1.651	
		CH 42	2.530		

	EoC	2.5%	5% WW.	
DATUM 96.0				
DESIGN SURFACE	97.606	97.569	97.531	
DIFFERENCE (mm)	59	26	18	
EXISTING SURFACE	97.577	97,543	97.513 97.504	
OFFSET	-1.500	0000	1.650	
	(	CH 55.0	00	

	СН	75.000	)	
CONTRACTOR TO BATTER LEFT HAND SIDE OF PATH TO BASE OF NEW FENCE ALONG No. 4 HUNTER COURT	2.6	5% <del>ರ</del> 2.5	1 in 0	
DATUM 96.0				
DESIGN SURFACE	97.692	97.654	97.617 97.617 97.172	
DIFFERENCE (mm)	105	37	396 445 0	
EXISTING SURFACE	97.797	97.691	97.221 97.172 97.172	
OFFSET	-1.500	0.000	1.500 1.650 1.650	
PROPERTY No. 4 HUNTER COURT	С	H 70.0	00	

	22.5% 0 2.5% 0 2.5% 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
DATUM 95.0	
DESIGN SURFACE	97.231 - 97.159 - 97.121 - 97.084 - 96.814
DIFFERENCE (mm)	0 43 227 68 0 0
EXISTING SURFACE	97.231 97.202 97.127 96.856 96.815
OFFSET	2.082 -1.500 0.000 1.500 1.650 1.650
	CH 25.000

		1% 2.	5% 5 2.5	% 1 in 0	
DATUM 95.0					
DESIGN SURFACE	97.407	97.393	97.356	97.318 97.318 96.755	
DIFFERENCE (mm)	0	40	161	523 563 0	
EXISTING SURFACE	97.407	97.353	97.195	96.795 96.755 96.755	
OFFSET	-2.891	1.500	0000	1.500 1.650 1.651	
		CH 4	10.000		

	19	<u>8</u> 2.	5%   2.5	0 mm 1 mm 0 mm 1 mm 1 mm 1 mm 1 mm 1 mm	
DATUM 95.0					
DESIGN SURFACE	97.549	97.528	97,490	97.453 97.453 97.171	
DIFFERENCE (mm)	0	06	103	226 281 0	
EXISTING SURFACE	97.549	97.437	97.387	97.226 97.171 97.171	
OFFSET	-3.663	-1.500	0000	1.500 1.650 1.650	
		CH 48	.890		

		01110	.000	
CONTRACTOR TO BATTER LEFT HAND SIDE OF PATH TO BASE OF NEW FENCE ALONG No. 4 HUNTER COURT	Foc	2.5%	2.5%	
DATUM 96.0			1	
DESIGN SURFACE	97.694	97.656	97.619 97.619 97.276	
DIFFERENCE (mm)	7	15	294 343 0	
EXISTING SURFACE	97.765	97.671	97.325 97.276 97.276	
OFFSET	-1.500	0.000	1.500 1.650 1.650	
PROPERTY No. 4 HUNTER COURT		CH 65	.000	

CENTRELINE EDGE OF CONCRETE TOP OF RETAINING WALL

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PO BO	OX 164, RINGWOOD VIC 3134
	P: (03) 8644 6834
	E: info@procivil.com.au
	www.procivil.com.au
IL ENGINEERING DESIGN	TECHNICAL PEER REVIEW
UKE WHITFIELD	KURT CHAMBERLAIN

ORIENTATION	ORIGINAL SCALI
п	AS SHO
	HEIGHT DATUM
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	COORDINATE D.
	MGA 94
	SURVEY DATE
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OR AS SHOWN	23-11

**CROSS-SECTIONS** 

RIGINAL SCALE & SHEET SIZE	LOCAL GOVERNMENT AREA
AS SHOWN @ A1	CITY OF MAROONDAH
EIGHT DATUM	CLIENT
AHD	
OORDINATE DATUM	
MGA 94 ZONE 55	aroondah
URVEY DATE	
2016	City Council
ERIAL IMAGE DATE	CLIENT PROJECT MANAGER / CONTACT
23-11-2017	MATT WRIGHT   MAROONDAH CITY COUNCIL

DETAILED DESIGN
SHARED USER PATH WORKS

TARRALLA CREEK TRAIL SITE 3

(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

7	PROJECT No.
┙	PC1745A
_	SHEET No.
	08 of 13
	VERSION
	06
	DWG No.
	PC1745A -08 - 06

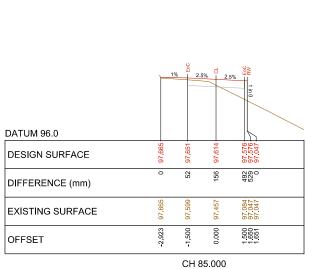
06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-20
05	DETAILED DESIGN - ISSUED FOR REVIEW	05-07-20
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-06-20
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	24-05-20
02	FOR INFORMATION	26-08-20
01	FOR INFORMATION	18-08-20
00	FOR INFORMATION	05-08-20

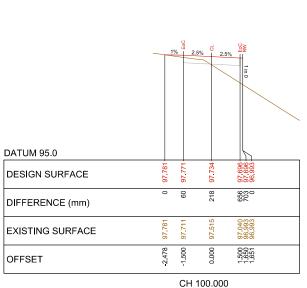
**CONSULTING ENGINEERING** Specialist Civil Engineering Design Consultants REGISTERED & CHARTERED PROFESSIONAL ENGINEER CHRIS PROCTOR

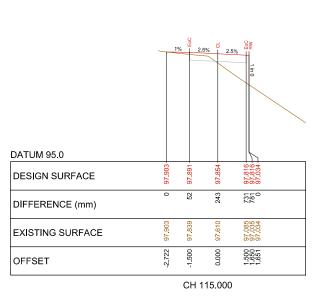
Commitment | Communication | Collaboration

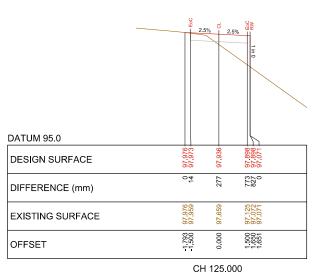


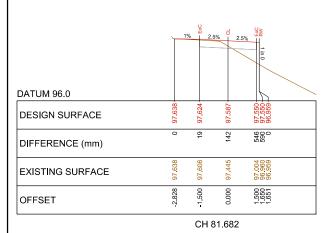
WARNING
BEWARE OF UNDERGROUND SERVICES
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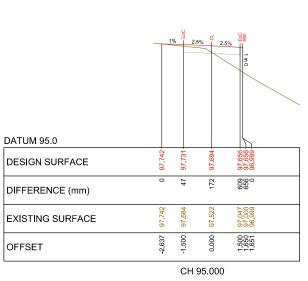


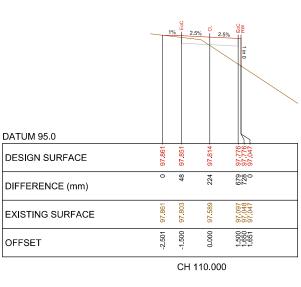


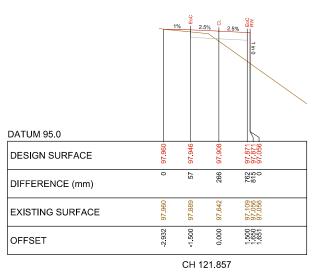


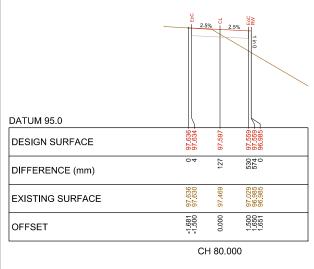


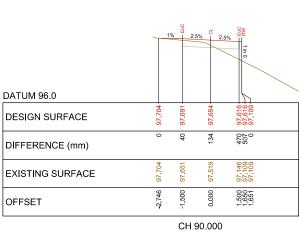












	1	%   2.5%	2.5%	000 1 1 n 0
DATUM 95.0				
DESIGN SURFACE	97.821	97.811	97.774	97.736 97.736 97.000
DIFFERENCE (mm)	0	61	232	687 736 0
EXISTING SURFACE	97.821	97.750	97.542	97.049 97.000 97.000
OFFSET	2.507	-1.500	0.000	1.500 1.650 1.651
		CH 10	05.000	
CDOCC CECT	PT (	NIC		

	1.	11%   2.	5% 2.5	NW 1 in 0	
DATUM 95.0					
DESIGN SURFACE	97.946	97.931	97.894	97.856 97.047	
DIFFERENCE (mm)	0	56	260	756 809 0	
EXISTING SURFACE	97.946	97.875	97.633	97.101 97.047 97.047	
OFFSET	-2.922	1.500	0.000	1.500 1.650 1.651	
		CH 1	20.000		

CL - CENTRELINE EoC - EDGE OF CONCRETE RW - TOP OF RETAINING WALL

# CROSS-SECTIONS



I			
I			
I	06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-20
I	05	DETAILED DESIGN - ISSUED FOR REVIEW	05-07-20
I	04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-06-20
I	03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	24-05-20
I	02	FOR INFORMATION	26-08-20
I	01	FOR INFORMATION	18-08-20



Commitment | Communication | Collaboration

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	ABN 51 759 386 092	l
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PO BO	OX 164, RINGWOOD VIC 3134	l
	P: (03) 8644 6834	l
	E: info@procivil.com.au	l
	www.procivil.com.au	ı
IVIL ENGINEERING DESIGN	TECHNICAL PEER REVIEW	ı
LUKE WHITEIELD	KURT CHAMBERI AIN	l

CHRIS PROCTOR

RIENTATION	ORIGINAL SCALE & SHEET SIZ
П	AS SHOWN @ A1
	HEIGHT DATUM
	AHD
	COORDINATE DATUM
	MGA 94 ZONE 55
	SURVEY DATE
VI)	2016
Ш	AERIAL IMAGE DATE
OR AS SHOWN	23-11-2017

GINAL SCALE & SHEET SIZE	LOCAL GOVERNMENT AREA
AS SHOWN @ A1	CITY OF MAROONDAH
HT DATUM	CLIENT
AHD	
RDINATE DATUM	
MGA 94 ZONE 55	aroondah
VEY DATE	
2016	City Council
IAL IMAGE DATE	CLIENT PROJECT MANAGER / CONTACT
23-11-2017	MATT WRIGHT I MAROONDAH CITY COLINCII

DETAILED DESIGN
SHARED USER PATH WORKS
TARRALLA CREEK TRAIL SITE 3

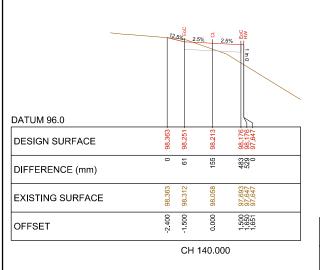
PROJECT No.
PC1745A
SHEET No.
09 of 13
VERSION
06
DWG No.
PC17454 -09 - 0

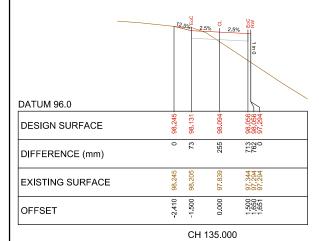
(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

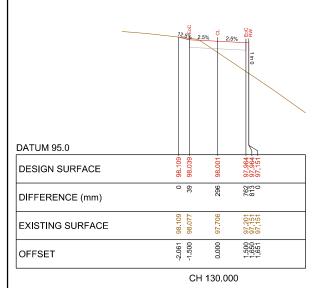
CROSS-SECTIONS - CH 80.000 - CH 125.000



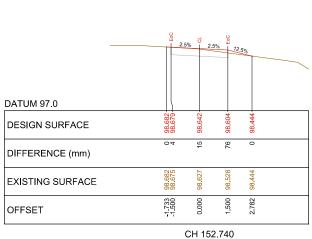
# WARNING BEWARE OF UNDERGROUND SERVICES THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.





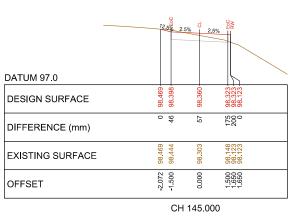




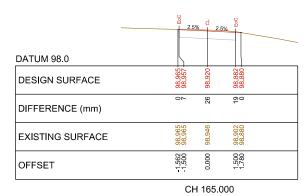


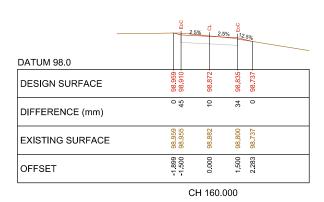
 DATUM 97.0	2.5	% <mark>ರ</mark> 2.5	V/0.3	
DESIGN SURFACE	98.582 98.572	98.535	98.340	
DIFFERENCE (mm)	07	42	121	
EXISTING SURFACE	98.582 98.579	98.492	98.377	
OFFSET	-1.576	0.000	1.500	

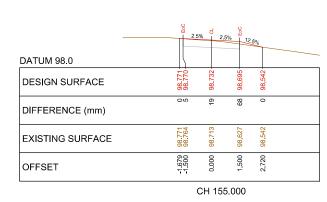
CH 150.000



	2.5%   2.5%
DATUM 98.0	
DESIGN SURFACE	98. 99. 99. 99. 99. 99. 99. 99. 99. 99.
DIFFERENCE (mm)	oυ α το
EXISTING SURFACE	98. 99. 99. 99. 99. 99. 99. 99. 99. 99.
OFFSET	0.000 1.500 1.500 1.699
	CH 170.000







		1%	2.5% 2.5	% %	
DATUM 97.0					
DESIGN SURFACE	98.528	98.521	98.484	98.446 98.364	
DIFFERENCE (mm)	0	17	21	53	
EXISTING SURFACE	98.528	98,505	98.463	98.394 98.364	
OFFSET	-2.188	-1.500	0.000	1.500	
		С	H 185.00	0	

DATUM 98.0		2.5%	2.5%	Eoc
DESIGN SURFACE		90.0	90.00	98.542 98.542
DIFFERENCE (mm)	,	- 6	2	00
EXISTING SURFACE		96.017	000	98.548 98.542 542
OFFSET	5	000.1-	000	1.552
		CH 18	30.000	

	2.5%	2.5%
DATUM 98.0		
DESIGN SURFACE	98.781	98.704 98.701
DIFFERENCE (mm)	0m ~	00
EXISTING SURFACE	98.781 98.776 98.740	98.702 98.701
OFFSET	-1.644 -1.500 0.000	1.500
	CH 17!	5 000

_	2.5	% <mark>ರ</mark> 2.5	5%	
DATUM 98.0	<u> </u>			
DESIGN SURFACE	98.885 98.876	98.838	98.801	
DIFFERENCE (mm)	0	ω	00	
EXISTING SURFACE	98.885 98.885	98.846	98.803 98.800	
OFFSET	-1.576 -1.500	0.000	1.530	
	СН	171.7	73	

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PROCIV	IL CONSULTING PTY LTD	-		
	ABN 51 759 386 092			
SUITE 9, 12 MAROONDAH	H HWY, RINGWOOD VIC 3134			
PO BO	OX 164, RINGWOOD VIC 3134			
P: (03) 8644 6834				
E: info@procivil.com.au				
	www.procivil.com.au			
CIVIL ENGINEERING DESIGN	TECHNICAL PEER REVIEW			
LUKE WHITFIELD KURT CHAMBERLAIN				

	ORIGINAL SCALE & SHEET SIZE AS SHOWN @ A1	LOCAL GOVERNMENT AREA CITY OF MAROONDAH
-	HEIGHT DATUM AHD COORDINATE DATUM MGA 94 ZONE 55 SURVEY DATE 2016	aroondah City Council
	AERIAL IMAGE DATE 23-11-2017	CLIENT PROJECT MANAGER / CONTACT MATT WRIGHT I MAROONDAH CITY COUNCIL

DET	<u> AILED</u>	DES:	IGN
HARED	USER	PATH	WORK

TARRALLA CREEK TRAIL SITE 3

(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

CROSS-SECTIONS - CH	130.000 - CH 185.000	

J	PC1745A	ı
- 1	SHEET No.	ı
	10 of 13	l
	VERSION	ı
	06	l
	DWG No.	ı
	PC1745A -10 - 06	l

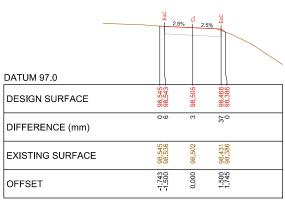
06 DETAILED DESIGN - ISSUED FOR REVIEW 05 DETAILED DESIGN - ISSUED FOR REVIEW 17-06-202 24-05-202 FUNCTIONAL DESIGN - ISSUED FOR REVIEW FUNCTIONAL DESIGN - ISSUED FOR REVIEW 02 FOR INFORMATION 01 FOR INFORMATION 00 FOR INFORMATION VER DESCRIPTION

**CONSULTING ENGINEERING** Specialist Civil Engineering Design Consultants

Commitment | Communication | Collaboration



# WARNING BEWARE OF UNDERGROUND SERVICES THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIE EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



CH 195.000

	2.59	% <u>7</u> 2.5	7/63	
DATUM 97.0				
DESIGN SURFACE	98.519 98.518	98.480	98.443	
DIFFERENCE (mm)	90	S	85	
EXISTING SURFACE	98.519 98.516	98,476	98.358	
OFFSET	-1.599 -1.500	0.000	2.071	
	CI	H 190.	000	

_	2.5% 2.5%
DATUM 97.0	
DESIGN SURFACE	98.516+ 98.454+ 98.331+
DIFFERENCE (mm)	0, 4 7,0
EXISTING SURFACE	98.516 98.516 98.465 98.407 98.391
OFFSET	0.000 0.000 0.000 0.000 0.000 0.000
	CH 205.000

	2.5	5% 0 2.	5% V/h3	
DATUM 97.0				
DESIGN SURFACE	98.511 98.510	98.473	98.435	
DIFFERENCE (mm)	20	9	88	
EXISTING SURFACE	98.511 98.508	98.466	98.346	
OFFSET	-1.620 -1.500	0.000	1.500	
CH 186.754				

_	1% 2.5% 0 2.5%
DATUM 97.0	
DESIGN SURFACE	98.545- 98.553 98.515- 98.3778
DIFFERENCE (mm)	0 20 36 0
EXISTING SURFACE	98.545 98.536 98.495 98.447 98.377
OFFSET	2.229 -1.500 0.000 1.500 1.803
	CH 198.889

CENTRELINE EDGE OF CONCRETE TOP OF RETAINING WALL

## CROSS-SECTIONS



2	1	0	2	4	Hor 1: Hor 1:
1	0.5	Ô	1	2	Ver 1: Ver 1:
				0.0000111.0	0110 - 0

			CONSULTANT
06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-2021	
05	DETAILED DESIGN - ISSUED FOR REVIEW	05-07-2021	
04	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-06-2021	
03	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	24-05-2021	CO
02	FOR INFORMATION	26-08-2020	CO
01	FOR INFORMATION	18-08-2020	Spec
00	FOR INFORMATION	05-08-2020	Spec

CONSULTANT ENGINEER	FI
PROGUERING CONSULTING ENGINEERING	SUITE 9, 12 MARO
	CIVIL ENGINEERING DESIGN
Specialist Civil Engineering Design Consultants	
Commitment   Communication   Collaboration	CHRIS PROCTOR

PROCIV	IL CONSULTING PTY LTD	
	ABN 51 759 386 092	
SUITE 9, 12 MAROONDAH HWY, RINGWOOD VIC 3134		
PO BOX 164, RINGWOOD VIC 3134		
P: (03) 8644 6834		
E: info@procivil.com.au		
www.procivil.com.au		
CIVIL ENGINEERING DESIGN	TECHNICAL PEER REVIEW	
LUKE WHITFIELD	KURT CHAMBERLAIN	

L	ORESTITION
l	OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE  AS SHOWN @ A1	LOCAL GOVERNMENT AREA  CITY OF MAROONDAH
HEIGHT DATUM	CLIENT
AHD	
COORDINATE DATUM	
MGA 94 ZONE 55	aroondah
SURVEY DATE	
2016	City Council
AERIAL IMAGE DATE	CLIENT PROJECT MANAGER / CONTACT
23-11-2017	MATT WRIGHT I MAROONDAH CITY COLINCII

DETAILED	DESIGN
SHARED USER I	PATH WORKS

TARRALLA CREEK TRAIL SITE 3

(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

CROSS-SECTIONS - CH 186.754 - CH 205.000

PROJECT No.			
PC1745A			
SHEET No.			
11 of 13			
VERSION			
06			
DWG No.			
DC4745A 44 0			

2400x1220 galv wire 'Acacia' mesh fence panel, 50x75 grids.

Refer to Installation Detail for fixing methods.

300₽

2450 centres



Suitable Locations •Informal Parks & Community Recreation Reserves

. Sporting Reserves

Common Locations

· Shared Trails

Dimensions

• 2450(sections)x1335mm above ground.

Material

•50x50 Galvanised steel square posts.

2400x1220 Galvanised steel square mesh fence panels (50x75 grids).

· Galvanised post caps to suit.

Installation

Maintenance

. Posts are to be fixed into concrete footings as shown in Installation Detail. • Fix panels to posts with 'U-Cups' and tek screws (provided by supplier),

check line and level as required.

· Attach post caps after concrete footing has set.

•Optional bolt down plates on posts with 4 x M12 chemset anchors.

\*Bi-annual wash-down with warm water and a mild detergent.

\*Paint to be touched up when chipped or damaged.

Product & Supplier

· Acacia fence by A.R.C. Fences

CONTRACTOR TO ENSURE 75mm MINIMUM VERTICAL CLEARANCE FROM FINISHED SURFACE TO UNDERSIDE OF MESH FENCE

PANEL AS SHOWN

METHOD OF FIXING POSTS TO RETAINING WALL TO BE DISCUSSED & CONFIRMED WITH COUNCIL ENGINEERS

> 1 50 Installation Detail - Section 1:20

> > Infrastructure & Landscape Guidelines

Galv. cap to be attached once concrete has set

If stepping down slope set panel @ 1 unit(75mm) below

2400×1220 Galv. wire "Acacia" mesh fence panel. 50x75

-50x50x2000 Galv steel post.

Fix panels to post with "U-Elips' and

supplier). Tighten all tek screws firmly

hex-head tek screws (provided by

checking line and level as required.

3000x580 25MPa concrete footing.

adjacent panel

grids.

A aroundah

Elevation 1:50

Infrastructure & Landscape Guidelines February 2016

			CONSULTANT ENGINEER
6	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-2021	
5	DETAILED DESIGN - ISSUED FOR REVIEW	05-07-2021	
4	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	17-06-2021	
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0	FOR INFORMATION	05-08-2020	
FR	DESCRIPTION	DATE	Commitment   Communication   Collaboration

CONSULTANT ENGINEER	Τ
PROGIVIL	
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Specialist Civil Engineering Design Consultants	RE

ORIENT	IL CONSULTING PTY LTD	PROCIV			
	ABN 51 759 386 092				
	H HWY, RINGWOOD VIC 3134				
	PO BOX 164, RINGWOOD VIC 3134				
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_	www.procivil.com.au				
_ \	TECHNICAL PEER REVIEW	CIVIL ENGINEERING DESIGN			
	KURT CHAMBERLAIN	LUKE WHITFIELD			

TATION	ORIGINAL SCALE & SHEET SIZE	LOCAL GOVER
п	AS SHOWN @ A1	
	HEIGHT DATUM	CLIENT
	AHD	
	COORDINATE DATUM	
	MGA 94 ZONE 55	
	SURVEY DATE	1
	2016	
Ш	AERIAL IMAGE DATE	CLIENT PROJE
OR AS SHOWN	23-11-2017	M

ORIGINAL SCALE & SHEET SIZE	LOCAL GOVERNMENT AREA
AS SHOWN @ A1	CITY OF MAROONDAH
HEIGHT DATUM	CLIENT
AHD	
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MGA 94 ZONE 55	aroondah
SURVEY DATE	
2016	City Council
AERIAL IMAGE DATE	CLIENT PROJECT MANAGER / CONTACT
23-11-2017	MATT WRIGHT   MAROONDAH CITY COUNCIL

## **DETAILED DESIGN SHARED USER PATH WORKS**

TARRALLA CREEK TRAIL SITE 3

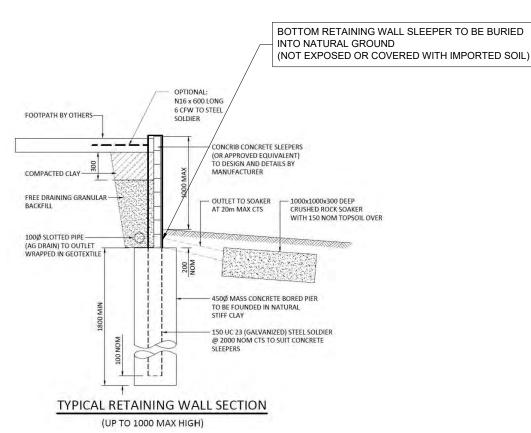
(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

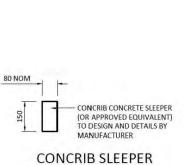
MESH FENCE DETAILS

06 PC1745A -12 - 0

PC1745A

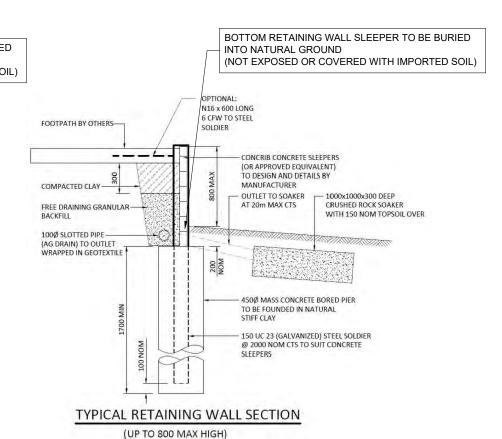
12 of 13

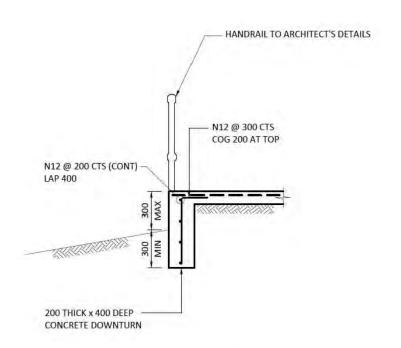




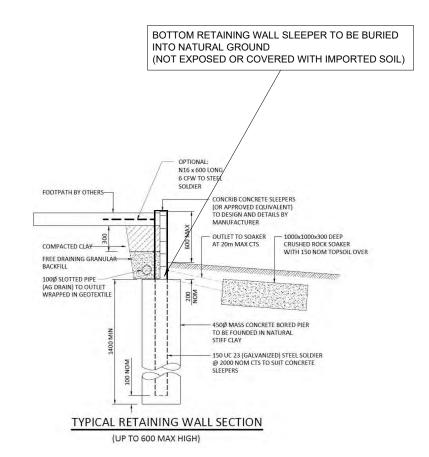
SURCHARGE 5.0 kPa

SOIL DENSITY 18 kN/m3





TYPICAL SLAB DOWNTURN SECTION



EXTRACTS FROM STRUCTURAL ENGINEERS DRAWING 21166-S01 & 02 (REV 0) OF DAVIS NAISMITH & McGOVERN (REPRODUCED FOR CONTRACTOR REFERENCE)

DRAWINGS NOT TO SCALE

CONTRACTOR TO REFER TO ORIGINAL SET OF PLANS FROM DAVIS NAISMITH & McGOVERN IN FULL FOR ADDITIONAL CONSTRUCTION NOTES

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00	FOR INFORMATION	05-08-2020	, , , , , , , , , , , , , , , , , , , ,
VER	DESCRIPTION	DATE	Commitment   Communication   Collaboration

**ENGINEERING** eering Design Consultants

SUITE 9, 12 MAROONDAH HWY, RINGWOOD VIC 3134 PO BOX 164, RINGWOOD VIC 3134 P: (03) 8644 6834 E: info@procivil.com.au www.procivil.com.au TECHNICAL PEER REVIEW LUKE WHITFIELD KURT CHAMBERLAIN

CHRIS PROCTOR

OR AS SHOWN

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DETAILED DESIGN

SHARED USER PATH WORKS

TARRALLA CREEK TRAIL SITE 3

(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

RETAINING WALL DETAILS

PC1745A 13 of 13 06 PC1745A -13 - 0