

LOCALITY MAP
MELWAYS MAP 50
NOT TO SCALE

SHARED USER PATH WORKS

TARRALLA CREEK TRAIL - SITE 3

(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)



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.

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)

SPECIFIC NOTES

SITE

- 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 WORKS PRIOR TO THEIR REMOVAL.
- SETOUT DIMENSIONING AND RADII ARE FROM LIP OF KERB UNLESS OTHERWISE SHOWN.

EARTHWORKS

- THE CONTRACTOR IS TO VERIFY ALL LEVELS WITH THE SUPERVISING ENGINEER PRIOR TO COMMENCING ANY PAVEMENT WORKS.
- 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 40mm ARE TO BE CUT BY THE CONTRACTOR. THE CONTRACTOR IS TO OBTAIN APPROVAL FROM THE SUPERVISING ENGINEER TO REMOVE TREE ROOTS GREATER THAN 40mm.
- 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 3 FINE CRUSHED CONCRETE AS SPECIFIED WITHIN MAROONDAH CITY COUNCIL STANDARD DRAWINGS.

DRAINAGE

- ALL DRAINAGE WORKS TO BE TO AS3500
- ALL DRAINAGE PIPES TO BE LAID TRUE TO LINE AND GRADE ON MIN 100mm OF 20mm CLASS 2 CRUSHED CONCRETE BEDDING.
- ALL REINFORCED CONCRETE DRAINAGE PIPES TO BE RUBBER RING JOINTED AND CLASS 4, UNLESS SPECIFIED OTHERWISE.
- ALL UPVC PIPES SHALL BE SEWER CLASS SN8 EXTRA HEAVY DUTY, SOLVENT WELDED UNLESS SPECIFIED OTHERWISE.
- ALL PITS 1.0m DEPTH AND OVER TO BE FITTED WITH STEP IRONS.
- 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 THE UNDERSIDE OF ROAD PAVEMENT.

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.

MISCELLANEOUS

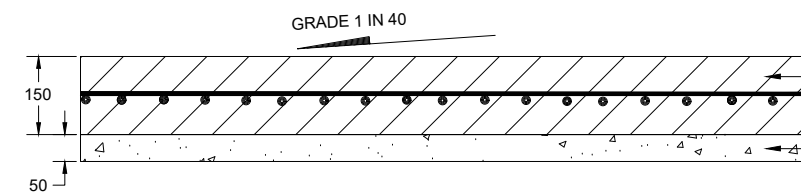
- THE LOCATION OF ALL EXISTING SIGNS ARE TO BE RECORDED PRIOR TO THE COMMENCEMENT OF WORKS AND ANY REMOVED TO MAKE WAY FOR THE WORKS ARE TO BE REINSTATED TO ORIGINAL POSITION OR TO A LOCATION AS DIRECTED BY SUPERVISING ENGINEER.
- ALL LINE MARKING IS TO BE REINSTATED IN ORIGINAL POSITION WHERE DISTURBED OR REMOVED BY CONCRETE PAVEMENT AND OR ASPHALT REPLACEMENT UNLESS OTHERWISE SHOWN.
- REMOVE EXIST. VEHICLE CROSSINGS RAMPS AND RECONSTRUCT TO COUNCIL STANDARDS AND DETAILS SHOWN
- 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. INSPECTION OPENING TO BE PLACED OUTSIDE CONCRETE PATH UNLESS OTHERWISE SPECIFIED. NOT ALL HOUSE WATER DRAINS MAY BE SHOWN. CONTRACTOR TO CHECK DURING CONSTRUCTION AND CONNECT IN ACCORDANCE TO COUNCIL REQUIREMENTS.

GENERAL NOTES

- 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 ALL 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 GREATER THAN 1.5M.
- 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 ENCLOSES 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.AU)
- 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 AUTHORIZED BY MAROONDAH CITY COUNCIL.
- ALL DISTURBED AREAS SHALL BE TOPSOILED AND SEEDED TO A MINIMUM DEPTH OF 100mm. NATURE STRIPS SHALL BE GRADED EVENLY FROM THE TOP OF KERB TO THE FRONT OF PATH OR AS DIRECTED.
- 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 SEDIMENT POLLUTION CONTROL"-EPA PUBLICATION NO. 175.
- 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 EARTHWORKS 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 UP WITHOUT CONTAMINATING ANY WATERWAY.
- THE CONTRACTORS SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL SEDIMENT AND LITTER CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT AND THE CONTRACT MAINTENANCE PERIOD.



150mm 32 Mpa CONCRETE WITH CENTRALLY LOCATED SL82 REINFORCEMENT

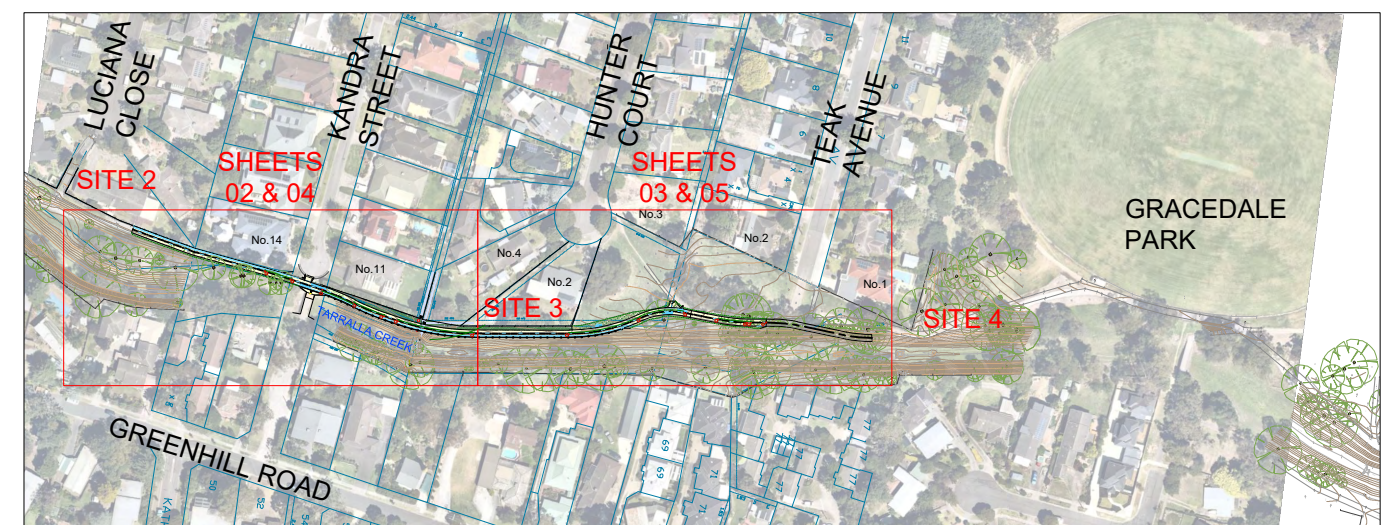
CONCRETE COLOUR TO BE 4% CHARCOAL

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

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

GENERALLY IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-403



OVERALL PLAN

20 10 0 20 40
1:1,000 @ A1
1:2,000 @ A3

VER	DESCRIPTION	DATE
06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-2021
05	DETAILED DESIGN - ISSUED FOR REVIEW	05-07-2021
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P: (03) 8644 6834
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LUKE WHITFIELD

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ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE
AS SHOWN @ A1

HEIGHT DATUM
AHD

COORDINATE DATUM
MGA 94 ZONE 55

SURVEY DATE
2016

AERIAL IMAGE DATE
23-11-2017

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT

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)

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

PROJECT No.
PC1745A

SHEET No.
01 OF 13

VERSION
06

DWG No.
PC1745A-01-06

LEGEND

- 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)
- EXISTING GAS
- EXISTING SEWER
- LANDSCAPING AREA TO BE REINSTATED WITH TOPSOIL & SEED
- LANDSCAPING AREA TO BE REINSTATED WITH MULCH
- FILL BATTER EXTENT
- CUT BATTER EXTENT
- TREE TO BE REMOVED
- R8-2 R8-2 - SHARED USER PATH
- L R CUSTOM - L & R ARROWS
- END R7-4 - END

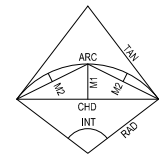
RETAINING WALL HEIGHT TABLE

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

CENTRELINE CURVE 'A' SET OUT DETAILS		CENTRELINE CURVE 'B' SET OUT DETAILS		CENTRELINE CURVE 'C' SET OUT DETAILS		CENTRELINE CURVE 'D' SET OUT DETAILS	
RAD.	100	RAD.	100	RAD.	100	RAD.	70
INT	8°11'27"	INT	8°11'45"	INT	18°47'19"	INT	25°16'40"
TAN	7.16	TAN	7.018	TAN	16.545	TAN	15.697
CHD	14.284	CHD	14.002	CHD	32.646	CHD	30.633
ARC	14.296	ARC	14.014	ARC	32.792	ARC	30.883
M1	0.255	M1	0.245	M1	1.341	M1	1.696
M2	0.064	M2	0.061	M2	0.336	M2	0.425

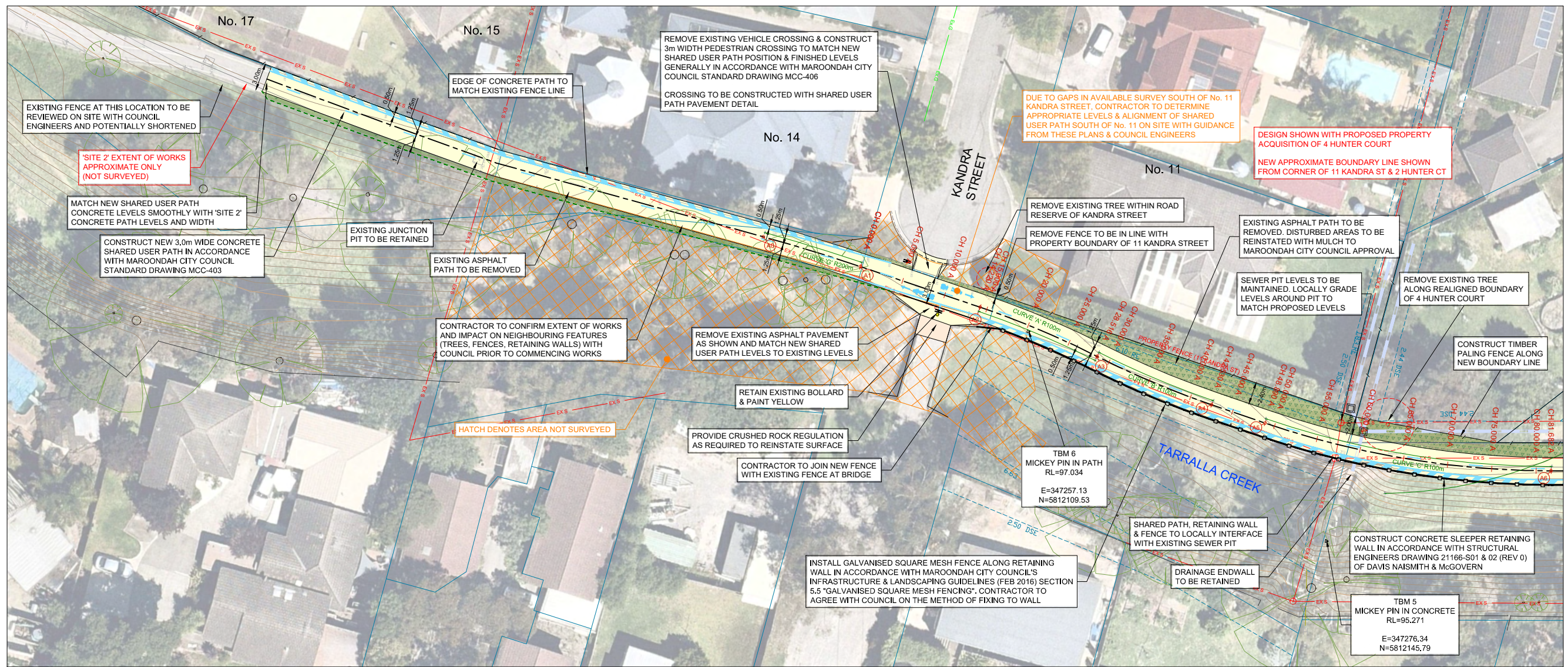
CENTRELINE CURVE 'E' SET OUT DETAILS		CENTRELINE CURVE 'F' SET OUT DETAILS		CENTRELINE CURVE 'G' SET OUT DETAILS	
RAD.	30	RAD.	70	RAD.	200
INT	36°20'59"	INT	11°17'2"	INT	3°16'43"
TAN	9.849	TAN	6.916	TAN	5.724
CHD	18.715	CHD	13.765	CHD	11.443
ARC	19.033	ARC	13.787	ARC	11.444
M1	1.497	M1	0.339	M1	0.082
M2	0.377	M2	0.085	M2	0.02



SURVEY COORDINATE SETOUT POINT TABLES

COORDINATE POINT SHOWN AS: ● (19)

Point Number	Easting (m)	Northing (m)	FS (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	97.59
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



CONTINUED ON SHEET 03

VER	DESCRIPTION	DATE
06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-2021
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ABN 51 759 386 082

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: LUKE WHITFIELD

TECHNICAL PEER REVIEW: KURT CHAMBERLAIN

REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1

HEIGHT DATUM: AHD

COORDINATE DATUM: MGA 94 ZONE 55

SURVEY DATE: 2016

AERIAL IMAGE DATE: 23-11-2017

LOCAL GOVERNMENT AREA: CITY OF MAROONDAH

CLIENT: Maroondah City Council

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)

GENERAL LAYOUT PLAN

PROJECT No.	PC1745A
SHEET No.	02 OF 13
VERSION	06
DWG No.	PC1745A-02 - 06

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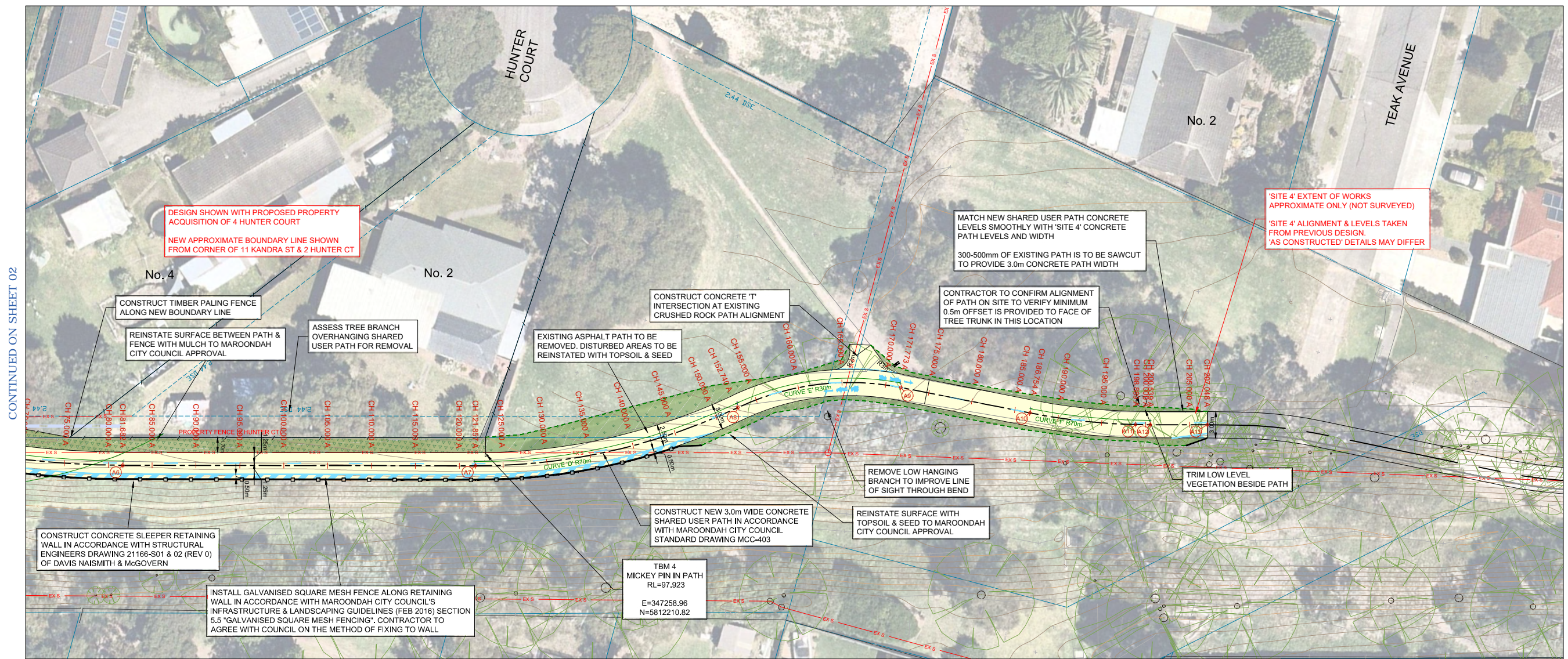
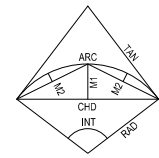


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GENERAL LAYOUT PLAN



VER	DESCRIPTION	DATE
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 SURVEY DATE: 2016
 AERIAL IMAGE DATE: 23-11-2017

LOCAL GOVERNMENT AREA: CITY OF MAROONDAH

CLIENT:

CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | MAROONDAH CITY COUNCIL

DETAILED DESIGN

SHARED USER PATH WORKS

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GENERAL LAYOUT PLAN

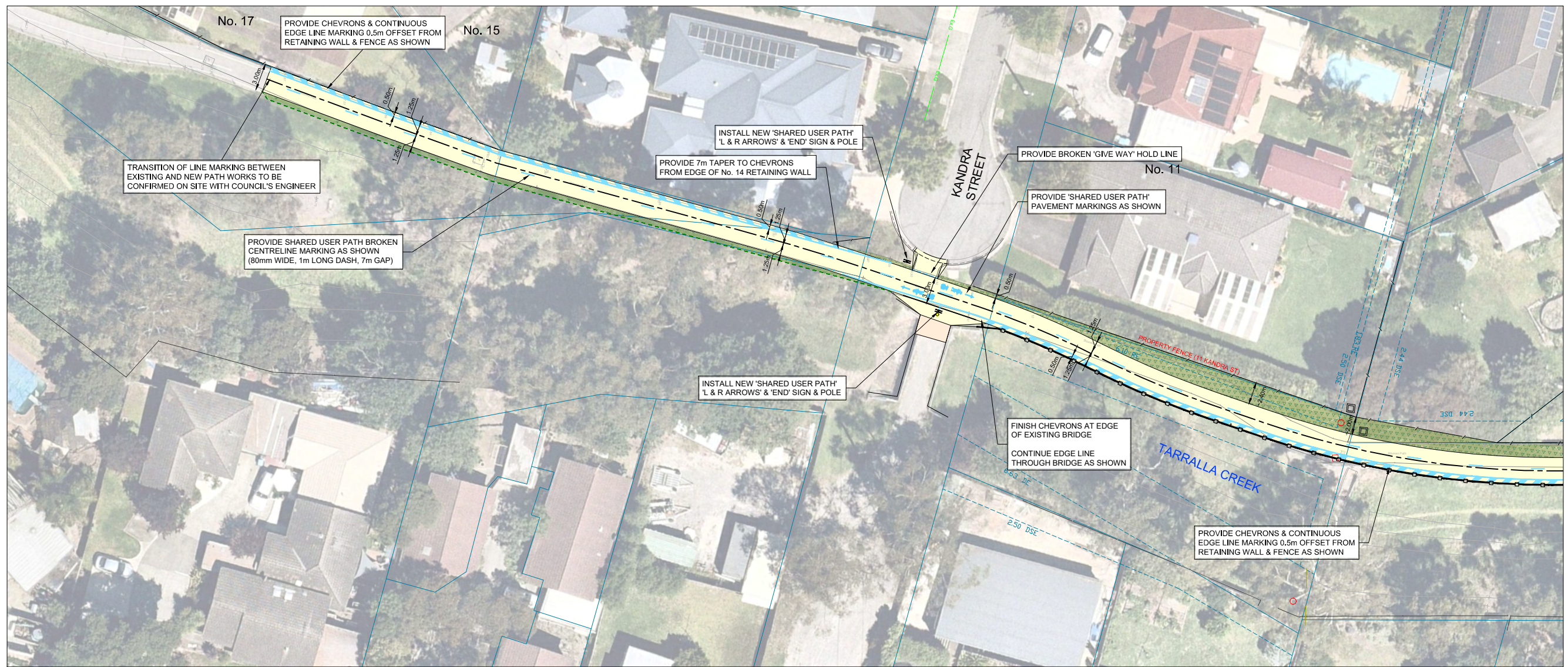
PROJECT No.	PC1745A
SHEET No.	03 OF 13
VERSION	06
DWG No.	PC1745A-03 - 06

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CONTINUED ON SHEET 05

SIGNS & LINE MARKING PLAN



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 SUITE 9, 12 MAROONDAH HWY, RINGWOOD VIC 31134
 PO BOX 164, RINGWOOD VIC 31134
 P: (03) 8644 6834
 E: info@procvil.com.au
 www.procvil.com.au

CIVIL ENGINEERING DESIGN: LUKE WHITFIELD
 TECHNICAL PEER REVIEW: KURT CHAMBERLAIN
 REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
 HEIGHT DATUM: AHD
 COORDINATE DATUM: MGA 94 ZONE 55
 SURVEY DATE: 2016
 AERIAL IMAGE DATE: 23-11-2017

LOCAL GOVERNMENT AREA: CITY OF MAROONDAH

CLIENT:

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

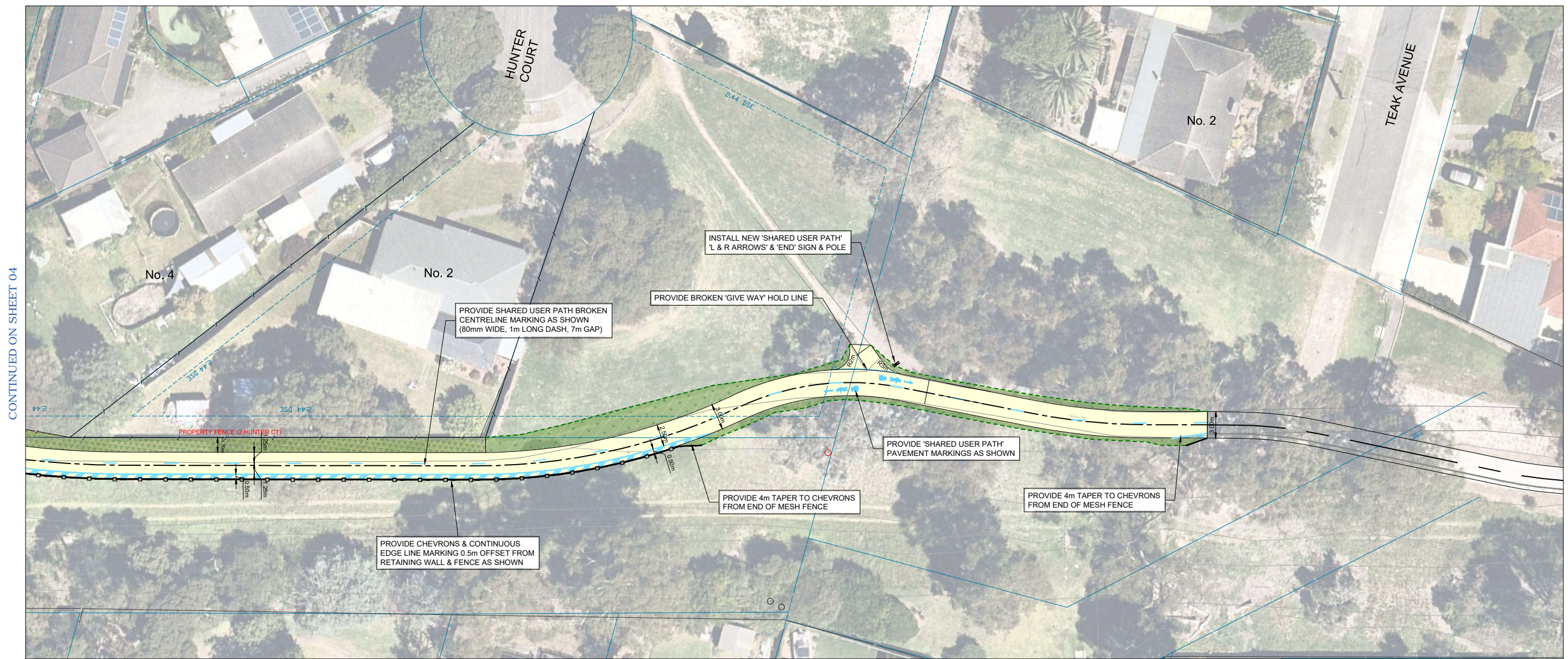
PROJECT No.	PC1745A
SHEET No.	04 OF 13
VERSION	06
DWG No.	PC1745A-04-06

LEGEND

- 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)
- EXISTING GAS
- EXISTING SEWER
- LANDSCAPING AREA TO BE REINSTATED WITH TOPSOIL & SEED
- LANDSCAPING AREA TO BE REINSTATED WITH MULCH
- FILL BATTER EXTENT
- CUT BATTER EXTENT
- TREE TO BE REMOVED
- R8-2 - SHARED USER PATH
- CUSTOM - L & R ARROWS
- R7-4 - END



WARNING
 BEWARE OF UNDERGROUND SERVICES
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SIGNS & LINE MARKING PLAN



VER	DESCRIPTION	DATE
06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-2021
05	DETAILED DESIGN - ISSUED FOR REVIEW	05-07-2021
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01	FOR INFORMATION	18-08-2020
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CONSULTANT ENGINEER

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 Specialist Civil Engineering Design Consultants
 Commitment | Communication | Collaboration

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LOCAL GOVERNMENT AREA: CITY OF MAROONDAH

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DETAILED DESIGN

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

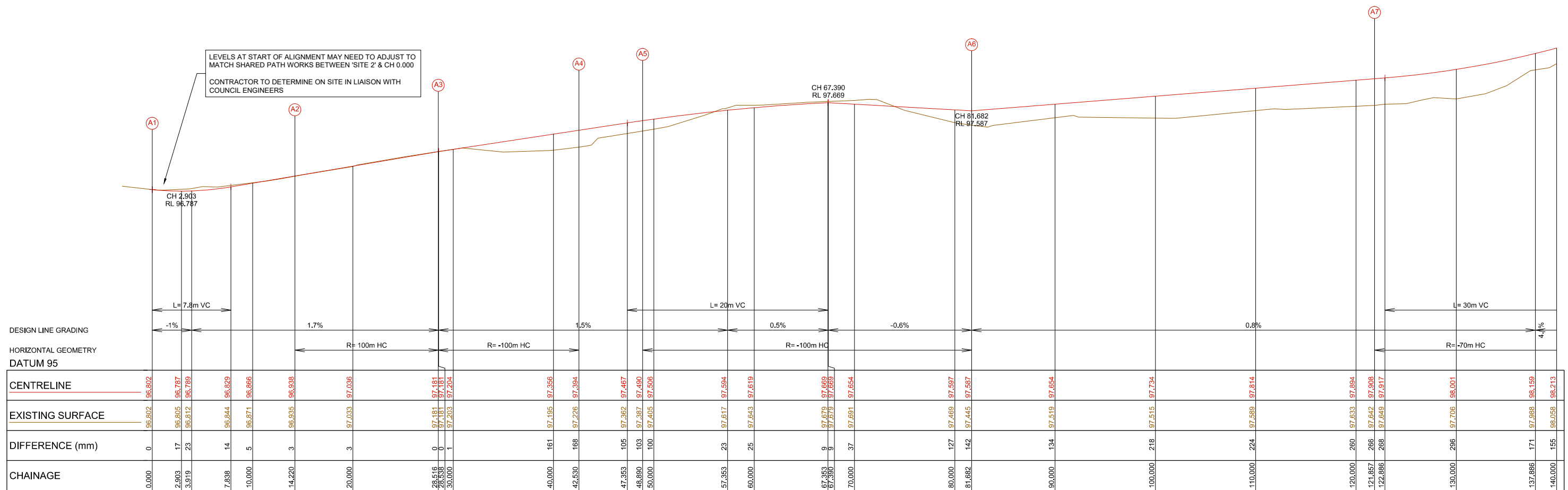
SIGNS & LINE MARKING PLAN

PROJECT No.	PC1745A
SHEET No.	05 OF 13
VERSION	06
DWG No.	PC1745A-05-06

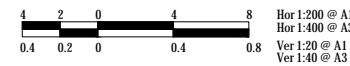


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LEVELS AT START OF ALIGNMENT MAY NEED TO ADJUST TO MATCH SHARED PATH WORKS BETWEEN 'SITE 2' & CH 0.000
 CONTRACTOR TO DETERMINE ON SITE IN LIAISON WITH COUNCIL ENGINEERS



LONGITUDINAL SECTION - CENTRELINE 'A'



VER	DESCRIPTION	DATE
06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-2021
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CIVIL ENGINEERING DESIGN
 LUKE WHITFIELD

TECHNICAL PEER REVIEW
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ORIGINAL SCALE & SHEET SIZE
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 AHD

COORDINATE DATUM
 MGA 94 ZONE 55

SURVEY DATE
 2016

AERIAL IMAGE DATE
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 CITY OF MAROONDAH

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DETAILED DESIGN

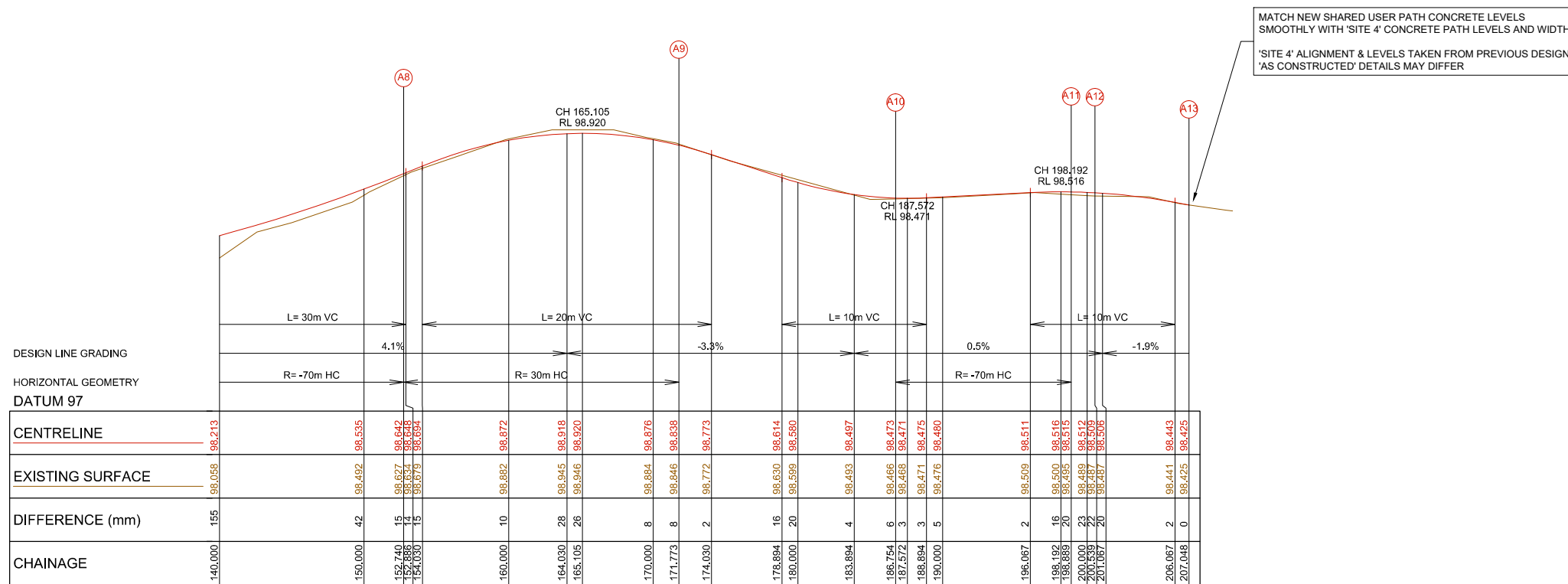
SHARED USER PATH WORKS
 TARRALLA CREEK TRAIL SITE 3
 (BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

LONGITUDINAL SECTION - CENTRELINE 'A'

PROJECT No.	PC1745A
SHEET No.	06 OF 13
VERSION	06
DWG No.	PC1745A-06 - 06

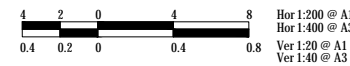


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MATCH NEW SHARED USER PATH CONCRETE LEVELS SMOOTHLY WITH 'SITE 4' CONCRETE PATH LEVELS AND WIDTH
 'SITE 4' ALIGNMENT & LEVELS TAKEN FROM PREVIOUS DESIGN. 'AS CONSTRUCTED' DETAILS MAY DIFFER

LONGITUDINAL SECTION - CENTRELINE 'A'



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DETAILED DESIGN

SHARED USER PATH WORKS

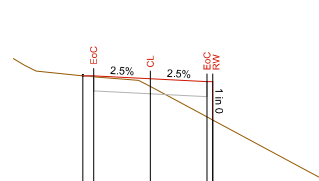
TARRALLA CREEK TRAIL SITE 3
 (BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

LONGITUDINAL SECTION - CENTRELINE 'A'

PROJECT No.	PC1745A
SHEET No.	07 OF 13
VERSION	06
DWG No.	PC1745A-07 - 06



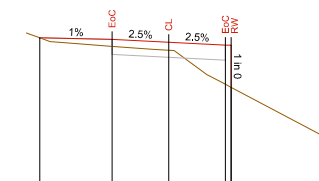
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DATUM 95.0

DESIGN SURFACE	97.320	97.317	97.280	97.242
DIFFERENCE (mm)	0	10	103	467
EXISTING SURFACE	97.320	97.307	97.177	96.775
OFFSET	-1.762	-1.500	0.000	1.500

CH 35.000

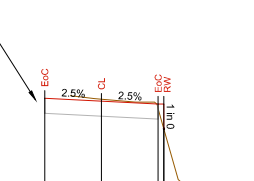


DATUM 95.0

DESIGN SURFACE	97.468	97.469	97.432	97.384
DIFFERENCE (mm)	0	92	108	519
EXISTING SURFACE	97.468	97.377	97.324	96.875
OFFSET	-3.413	-1.500	0.000	1.500

CH 45.000

CONTRACTOR TO BATTER LEFT HAND SIDE OF PATH TO BASE OF NEW FENCE ALONG No. 4 HUNTER COURT

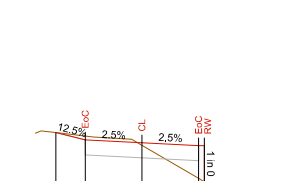


DATUM 95.0

DESIGN SURFACE	97.666	97.619	97.581
DIFFERENCE (mm)	25	62	329
EXISTING SURFACE	97.641	97.557	97.252
OFFSET	-1.500	0.000	1.500

CH 60.000

PROPERTY No. 4 HUNTER COURT

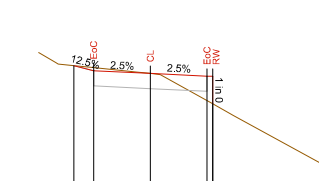


DATUM 95.0

DESIGN SURFACE	97.760	97.663	97.626	97.588
DIFFERENCE (mm)	0	51	33	434
EXISTING SURFACE	97.760	97.714	97.592	97.154
OFFSET	-2.274	-1.500	0.000	1.500

CH 75.000

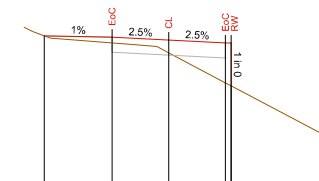
CONTRACTOR TO BATTER LEFT HAND SIDE OF PATH TO BASE OF NEW FENCE ALONG No. 4 HUNTER COURT



DATUM 95.0

DESIGN SURFACE	97.284	97.218	97.181	97.143
DIFFERENCE (mm)	0	39	0	321
EXISTING SURFACE	97.284	97.257	97.181	96.822
OFFSET	-2.022	-1.500	0.000	1.500

CH 28.516



DATUM 95.0

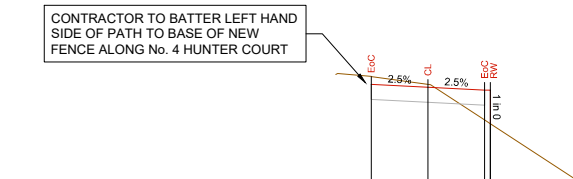
DESIGN SURFACE	97.449	97.432	97.394	97.357
DIFFERENCE (mm)	0	77	168	528
EXISTING SURFACE	97.449	97.354	97.226	96.828
OFFSET	-3.291	-1.500	0.000	1.500

CH 42.530

DATUM 96.0

DESIGN SURFACE	97.606	97.569	97.531
DIFFERENCE (mm)	29	26	18
EXISTING SURFACE	97.577	97.543	97.513
OFFSET	-1.500	0.000	1.500

CH 55.000

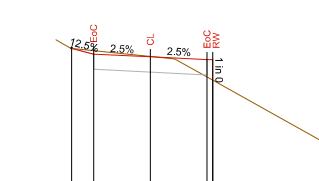


DATUM 96.0

DESIGN SURFACE	97.692	97.654	97.617
DIFFERENCE (mm)	105	37	396
EXISTING SURFACE	97.797	97.691	97.221
OFFSET	-1.500	0.000	1.500

CH 70.000

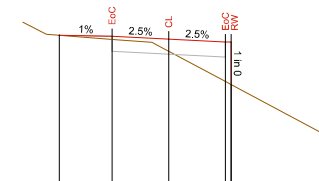
PROPERTY No. 4 HUNTER COURT



DATUM 95.0

DESIGN SURFACE	97.231	97.159	97.121	97.084
DIFFERENCE (mm)	0	43	6	227
EXISTING SURFACE	97.231	97.202	97.121	96.856
OFFSET	-2.082	-1.500	0.000	1.500

CH 25.000



DATUM 95.0

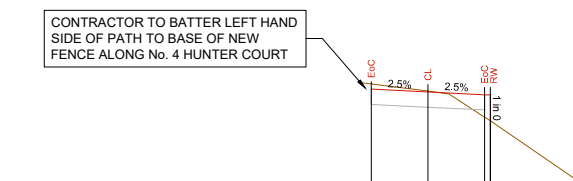
DESIGN SURFACE	97.407	97.393	97.356	97.319
DIFFERENCE (mm)	0	40	161	523
EXISTING SURFACE	97.407	97.353	97.195	96.795
OFFSET	-2.891	-1.500	0.000	1.500

CH 40.000

DATUM 95.0

DESIGN SURFACE	97.549	97.528	97.490	97.453
DIFFERENCE (mm)	0	90	103	226
EXISTING SURFACE	97.549	97.437	97.387	97.226
OFFSET	-3.663	-1.500	0.000	1.500

CH 48.890



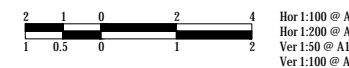
DATUM 96.0

DESIGN SURFACE	97.694	97.656	97.619
DIFFERENCE (mm)	71	15	294
EXISTING SURFACE	97.765	97.671	97.325
OFFSET	-1.500	0.000	1.500

CH 65.000

PROPERTY No. 4 HUNTER COURT

CROSS-SECTIONS



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

VER	DESCRIPTION	DATE
06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-2021
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CLIENT
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DETAILED DESIGN

SHARED USER PATH WORKS

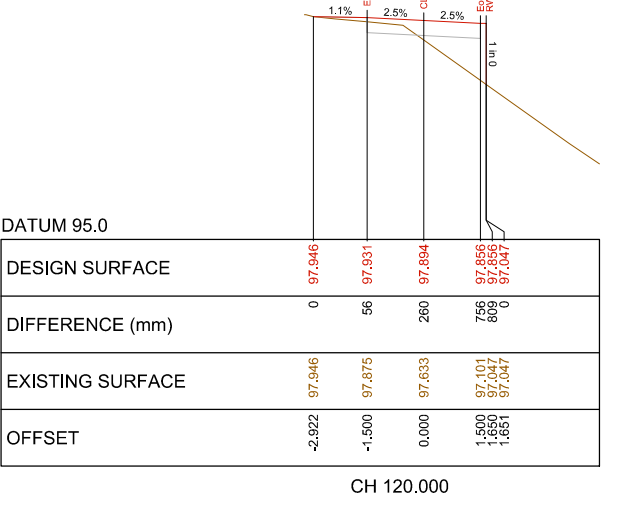
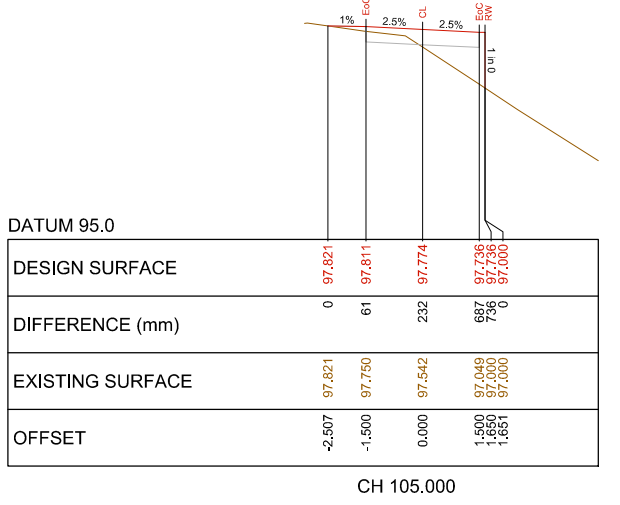
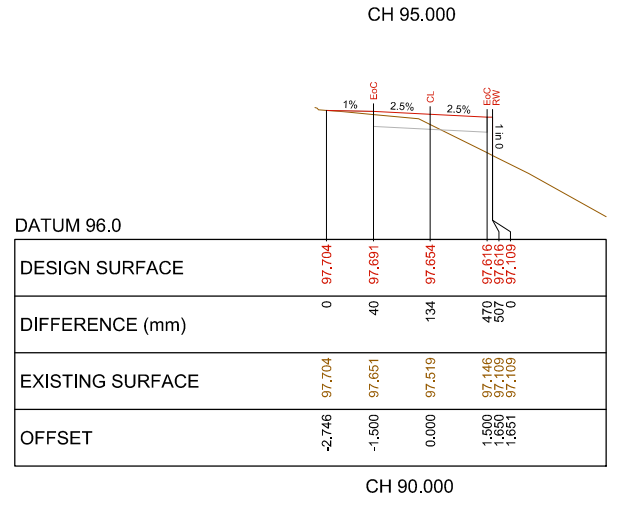
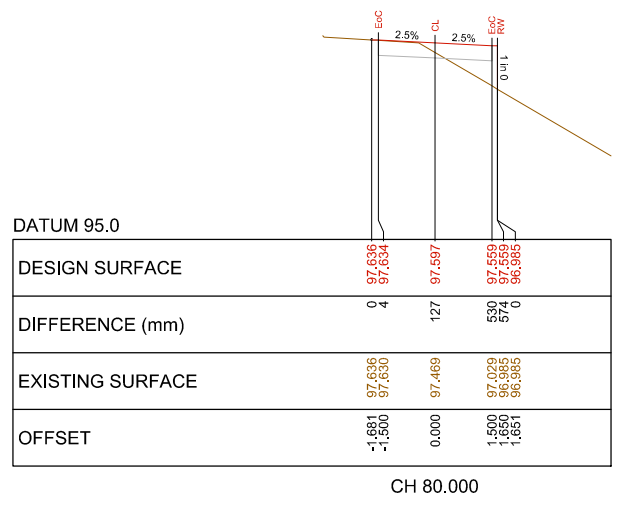
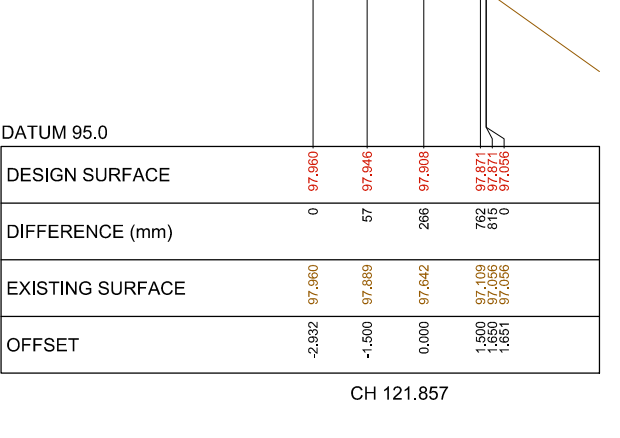
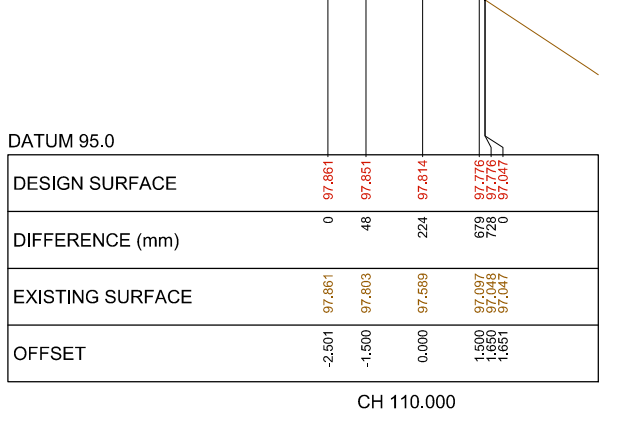
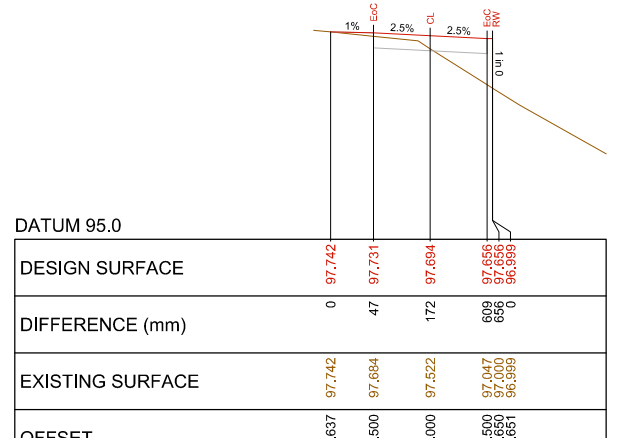
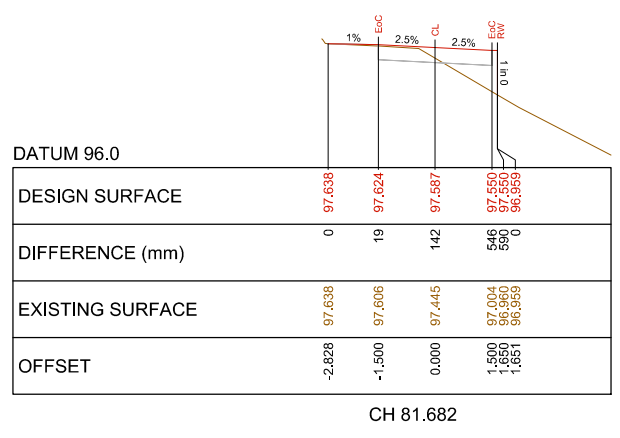
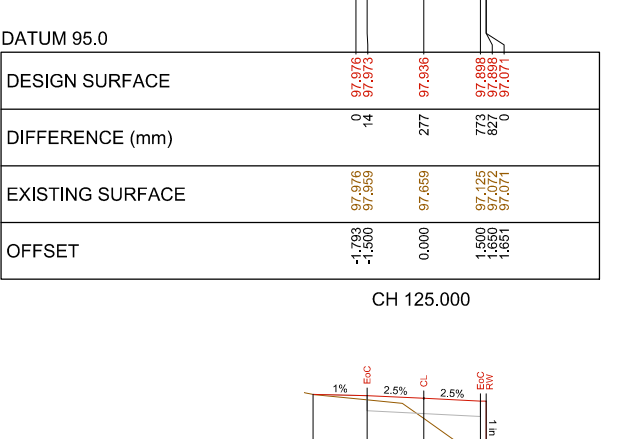
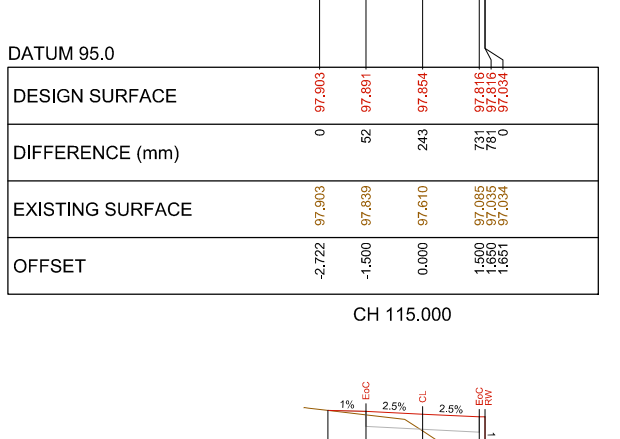
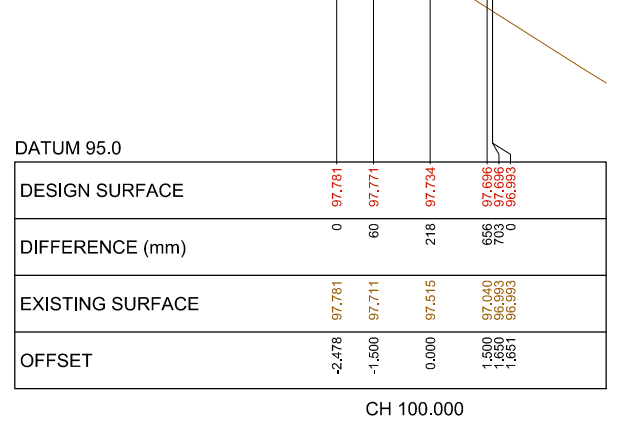
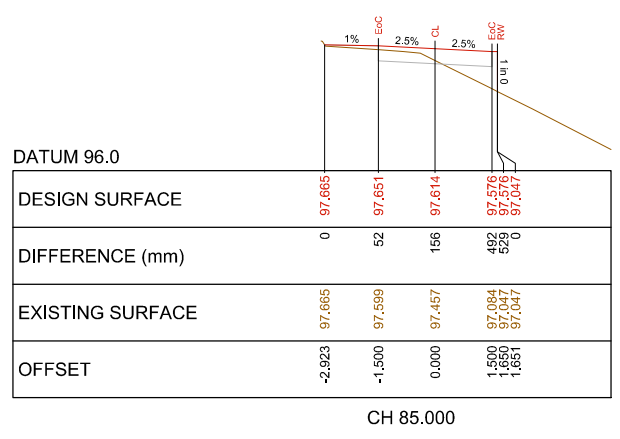
TARRALLA CREEK TRAIL SITE 3
(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

CROSS-SECTIONS - CH 25.000 - CH 75.000

PROJECT No.	PC1745A
SHEET No.	08 OF 13
VERSION	06
DWG No.	PC1745A-08 - 06

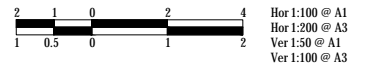


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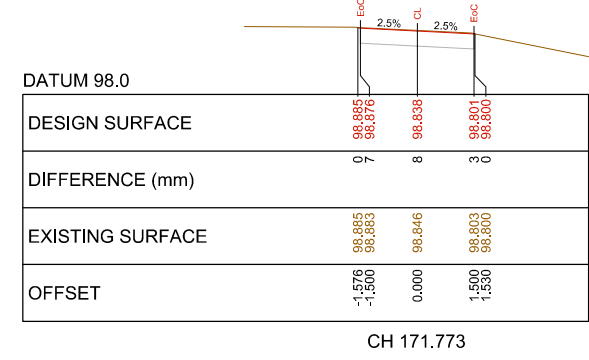
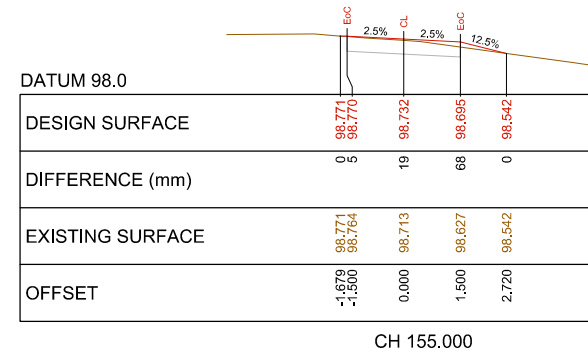
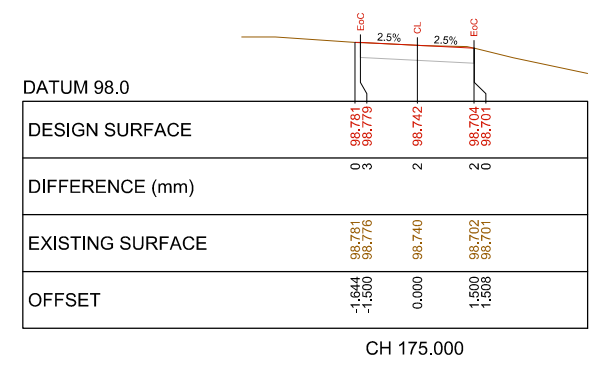
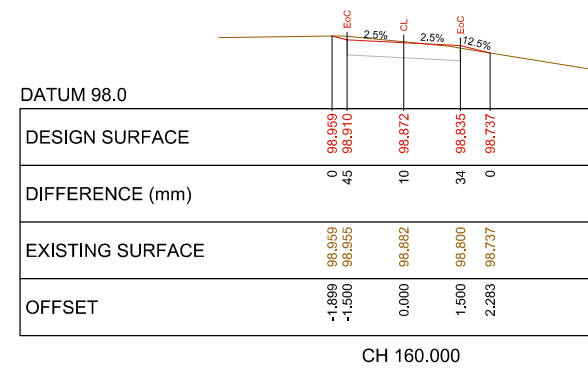
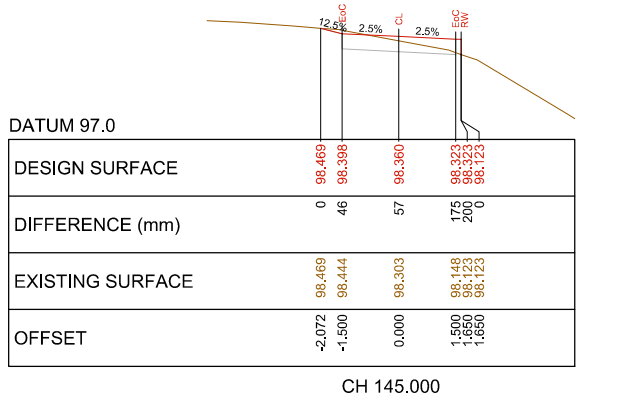
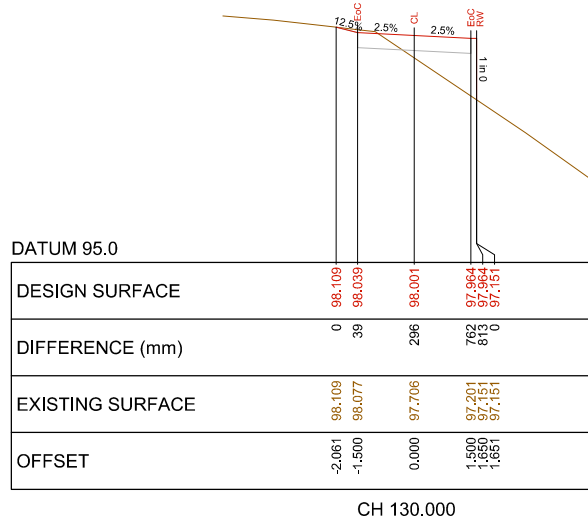
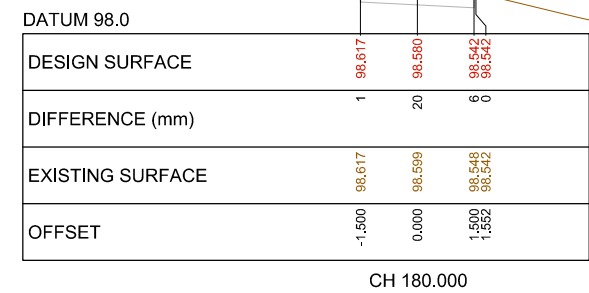
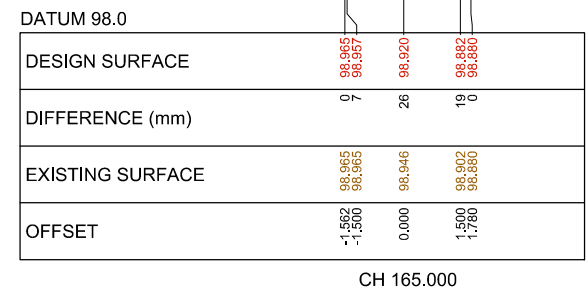
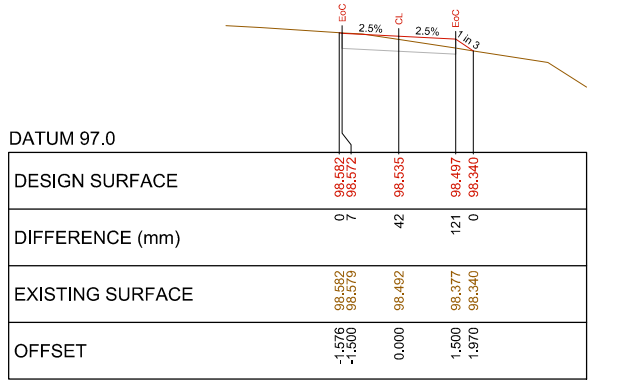
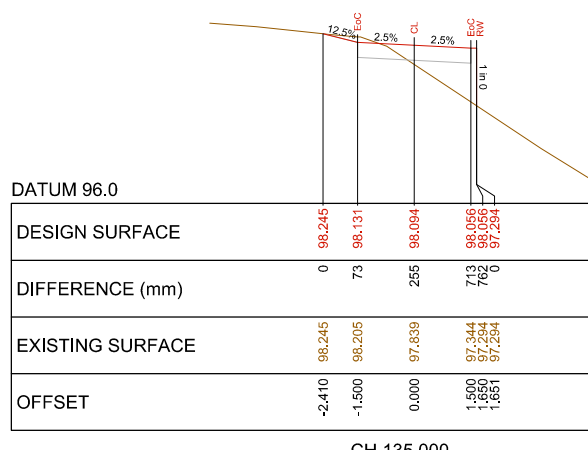
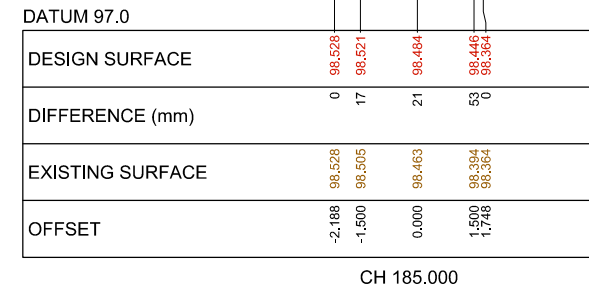
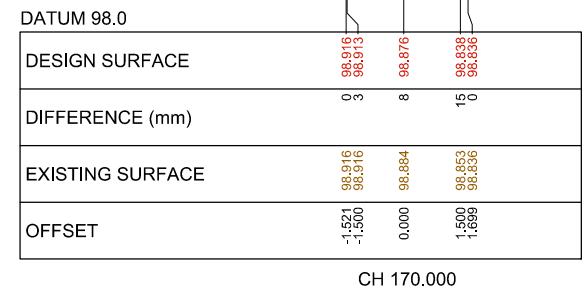
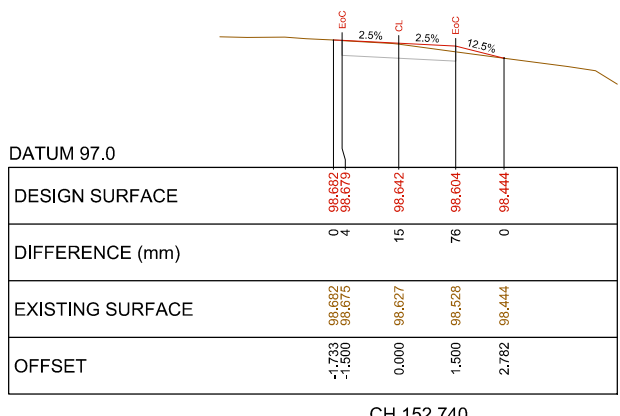
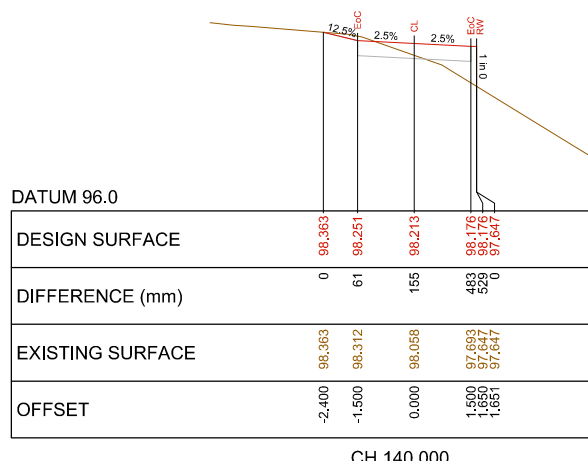
TARRALLA CREEK TRAIL SITE 3
(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

CROSS-SECTIONS - CH 80.000 - CH 125.000

PROJECT No.	PC1745A
SHEET No.	09 OF 13
VERSION	06
DWG No.	PC1745A-09 - 06

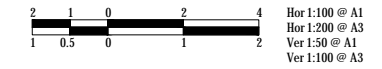


WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



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

CROSS-SECTIONS



VER	DESCRIPTION	DATE
06	DETAILED DESIGN - ISSUED FOR REVIEW	26-08-2021
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CIVIL ENGINEERING DESIGN
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CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE
AS SHOWN @ A1

HEIGHT DATUM
AHD

COORDINATE DATUM
MGA 94 ZONE 55

SURVEY DATE
2016

AERIAL IMAGE DATE
23-11-2017

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT
Maroondah City Council

CLIENT PROJECT MANAGER / CONTACT
MATT WRIGHT | MAROONDAH CITY COUNCIL

DETAILED DESIGN

SHARED USER PATH WORKS

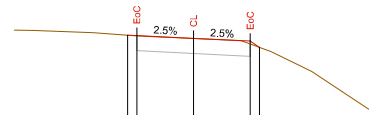
TARRALLA CREEK TRAIL SITE 3
(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

CROSS-SECTIONS - CH 130.000 - CH 185.000

PROJECT No.	PC1745A
SHEET No.	10 OF 13
VERSION	06
DWG No.	PC1745A-10 - 06

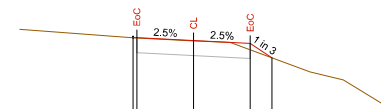


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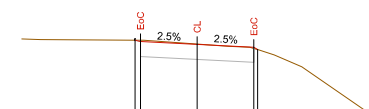
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DIFFERENCE (mm)	0 6
EXISTING SURFACE	98.545 98.536
OFFSET	-1.743 -1.500

CH 195.000



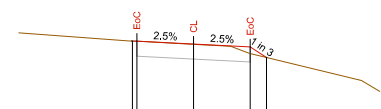
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DIFFERENCE (mm)	0 2
EXISTING SURFACE	98.516 98.516
OFFSET	-1.500 -1.500

CH 190.000



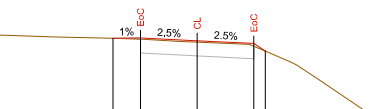
DATUM 97.0	
DESIGN SURFACE	98.516 98.499
DIFFERENCE (mm)	0 17
EXISTING SURFACE	98.516 98.516
OFFSET	-1.641 -1.500

CH 205.000



DATUM 97.0	
DESIGN SURFACE	98.511 98.510
DIFFERENCE (mm)	0 2
EXISTING SURFACE	98.511 98.508
OFFSET	-1.620 -1.300

CH 186.754

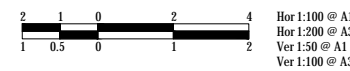


DATUM 97.0	
DESIGN SURFACE	98.545 98.553
DIFFERENCE (mm)	0 17
EXISTING SURFACE	98.545 98.536
OFFSET	-2.229 -1.500

CH 198.889

CL - CENTRELINE
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 RW - TOP OF RETAINING WALL

CROSS-SECTIONS



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ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE
 AS SHOWN @ A1

HEIGHT DATUM
 AHD

COORDINATE DATUM
 MGA 94 ZONE 55

SURVEY DATE
 2016

AERIAL IMAGE DATE
 23-11-2017

LOCAL GOVERNMENT AREA
CITY OF MAROONDAH

CLIENT

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)

CROSS-SECTIONS - CH 186.754 - CH 205.000

PROJECT No.
PC1745A

SHEET No.
11 OF 13

VERSION
06

DWG No.
 PC1745A-11-06

5.5 Square Mesh Fencing (Galvanised)

Description



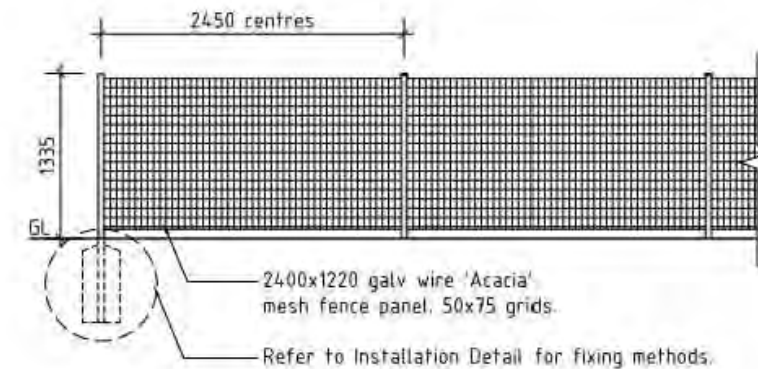
- Suitable Locations**
 - Informal Parks & Community Recreation Reserves
 - Sporting Reserves
- Common Locations**
 - Shared Trails
- Dimensions**
 - 2450(sections)x1335mm above ground.
- Material**
 - 50x50 Galvanised steel square posts.
 - 2400x1220 Galvanised steel square mesh fence panels (50x75 grids).
 - Galvanised post caps to suit.
- Installation**
 - 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.
- Maintenance**
 - 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

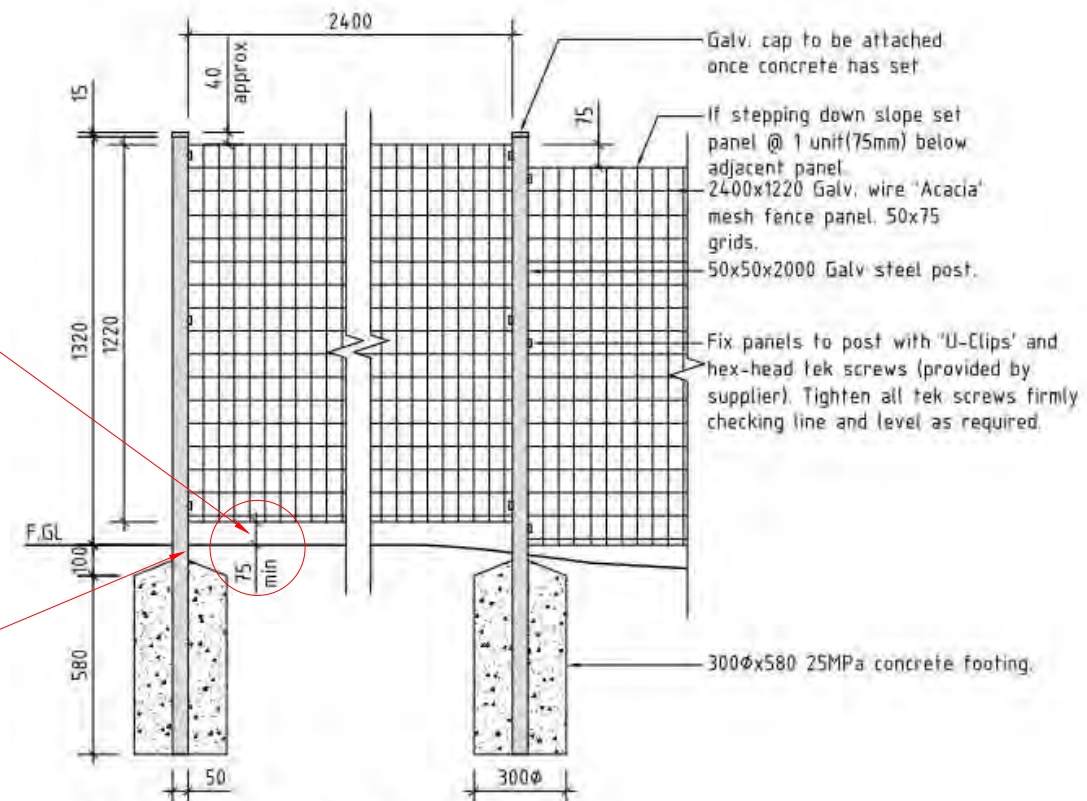
METHOD OF FIXING POSTS TO RETAINING WALL TO BE DISCUSSED & CONFIRMED WITH COUNCIL ENGINEERS

5.5 Square Mesh Fencing (Galvanised)

Detail



Elevation 1:50



Installation Detail - Section 1:20



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CIVIL ENGINEERING DESIGN: LUKE WHITFIELD
TECHNICAL PEER REVIEW: KURT CHAMBERLAIN
REGISTERED & CHARTERED PROFESSIONAL ENGINEER: CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1
HEIGHT DATUM: AHD
COORDINATE DATUM: MGA 94 ZONE 55
SURVEY DATE: 2016
AERIAL IMAGE DATE: 23-11-2017

LOCAL GOVERNMENT AREA: CITY OF MAROONDAH

CLIENT:

CLIENT PROJECT MANAGER / CONTACT: MATT WRIGHT | MAROONDAH CITY COUNCIL

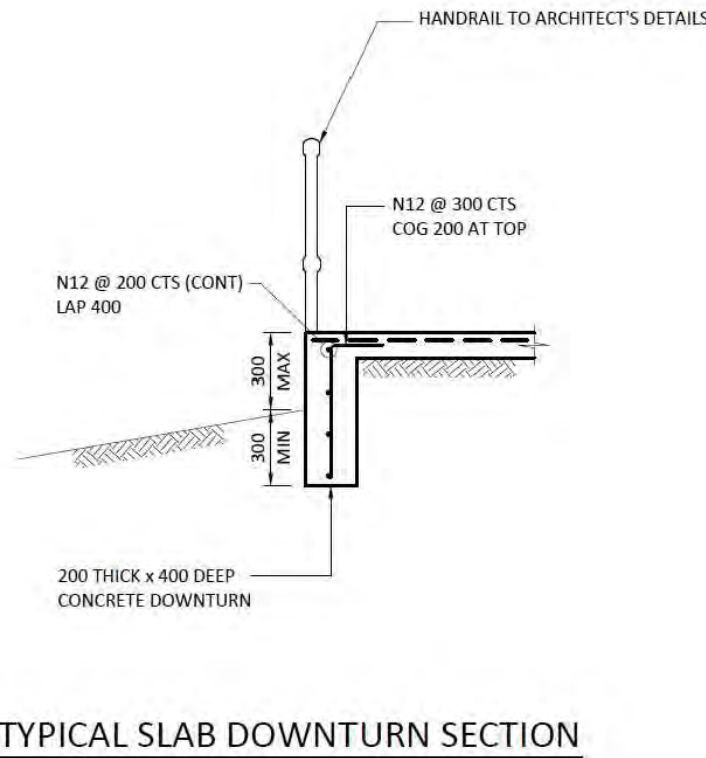
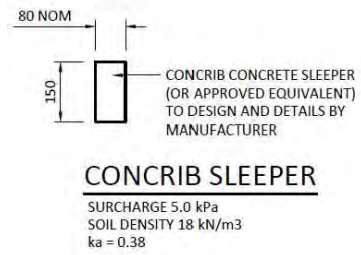
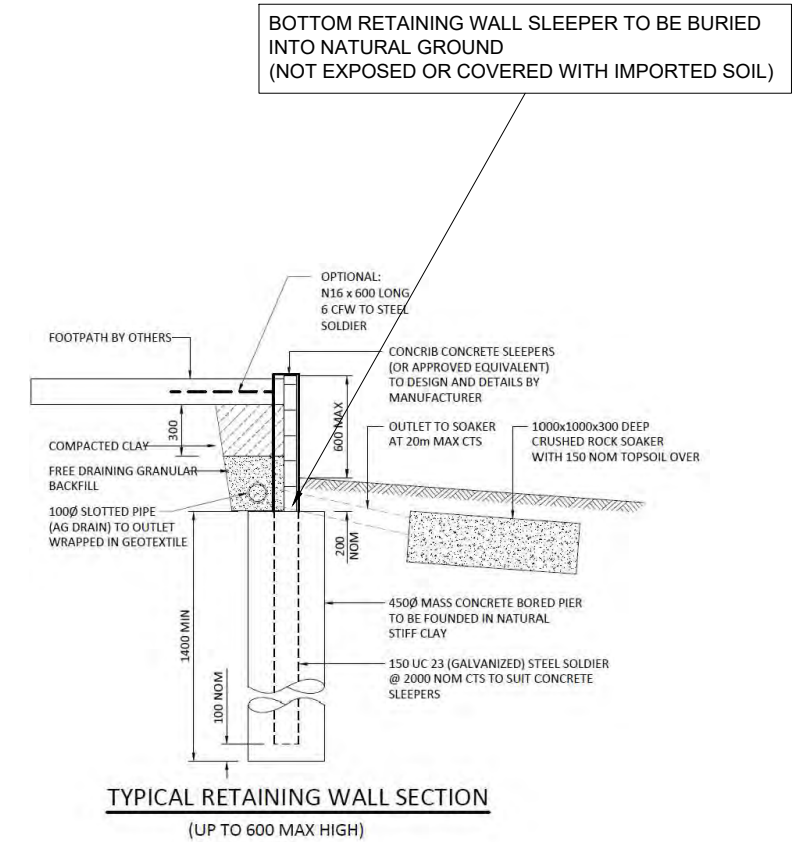
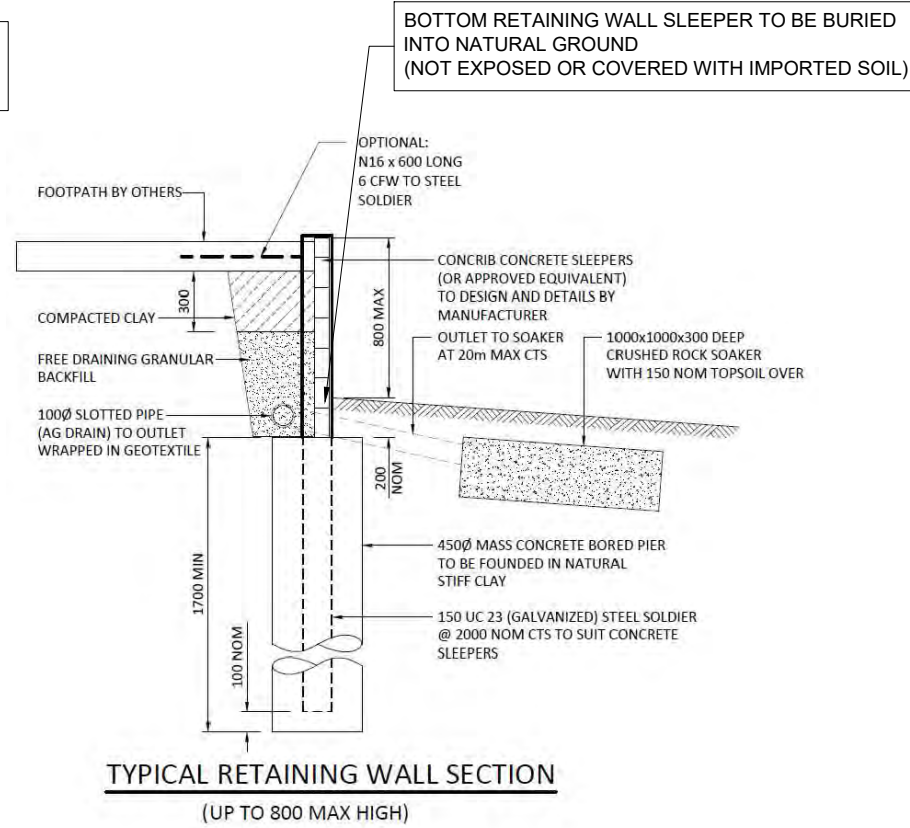
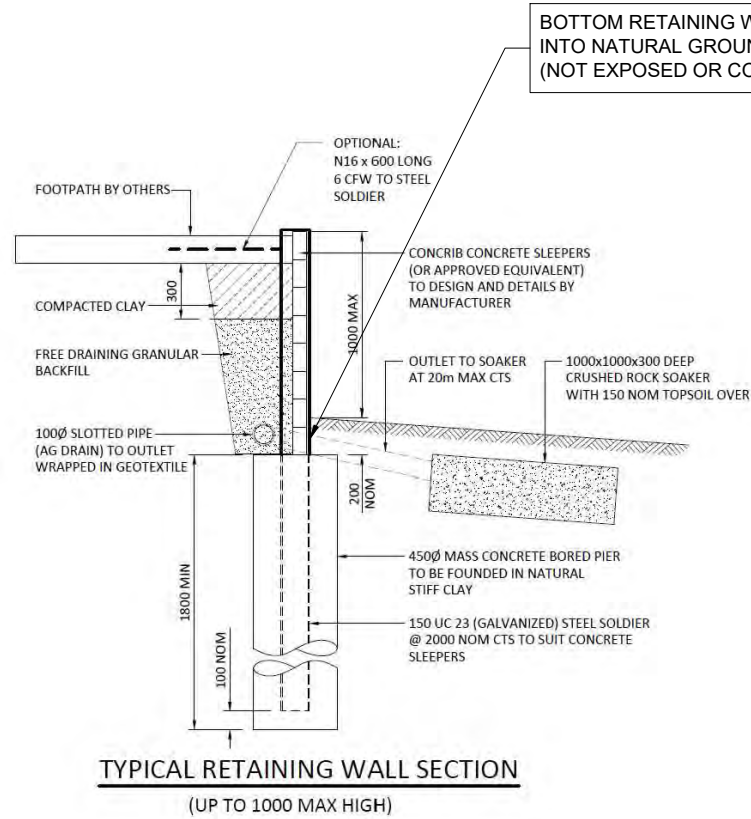
DETAILED DESIGN

SHARED USER PATH WORKS

TARRALLA CREEK TRAIL SITE 3
(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

MESH FENCE DETAILS
(EXTRACTED FROM MAROONDAH CITY COUNCIL INFRASTRUCTURE & LANDSCAPE GUIDELINES)

PROJECT No.	PC1745A
SHEET No.	12 OF 13
VERSION	06
DWG No.	PC1745A-12 - 06



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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SHARED USER PATH WORKS

TARRALLA CREEK TRAIL SITE 3
(BETWEEN LUCANIA CLOSE AND TEAK AVENUE, RINGWOOD EAST)

RETAINING WALL DETAILS

(EXTRACTED FROM STRUCTURAL ENGINEERS DRAWING 21166-S01 & 02 (REV 0) OF DAVIS NAISMITH & MCGOVERN)

PROJECT No.	PC1745A
SHEET No.	13 OF 13
VERSION	06
DWG No.	PC1745A-13-06