

**SPECIFIC NOTES**

**SITE**

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

**EARTHWORKS**

1. 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.
3. REMOVAL OF VEGETATION OR TRIMMING OF TREES IS TO BE DONE UNDER COUNCIL DIRECTION.
4. 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.
5. THE CONTRACTOR SHALL NOT CAUSE ANY DAMAGE TO TREE BRANCHES OR TREE TRUNKS.
6. BACKFILL ALL TRENCHES BENEATH ROAD PAVEMENT AND VEHICLE CROSSINGS WITH CLASS 2 F.C.C.

**DRAINAGE**

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 CONCRETE BEDDING.
3. ALL REINFORCED CONCRETE DRAINAGE PIPES TO BE RUBBER RING JOINTED AND CLASS 4, UNLESS SPECIFIED OTHERWISE.
4. ALL UPVC PIPES SHALL BE SEWER CLASS SN8 EXTRA HEAVY DUTY, SOLVENT WELDED UNLESS SPECIFIED OTHERWISE.
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.
7. ALL DRAINAGE TRENCHES IN ROADWAY TO BE BACKFILLED WITH 20mm CLASS 2 CRUSHED CONCRETE WITH THE TOP 150mm CLASS 2 FINE CRUSHED ROCK.

**SERVICING**

1. 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.
2. BACKFILL ALL TRENCHES BENEATH ROAD PAVEMENT AND VEHICLE CROSSINGS WITH CLASS 2 CRUSHED CONCRETE
3. "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**

1. 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.
2. ALL LINE MARKING IS TO BE REINSTATED IN ORIGINAL POSITION WHERE DISTURBED OR REMOVED BY CONCRETE PAVEMENT AND OR ASPHALT REPLACEMENT UNLESS OTHERWISE SHOWN.
3. REMOVE EXIST. VEHICLE CROSSINGS RAMPS AND RECONSTRUCT TO COUNCIL STANDARDS AND DETAILS SHOWN
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 STANDARD - S121 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.

# ROAD & DRAINAGE RECONSTRUCTION WORKS

## EASTFIELD ROAD, 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**

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58	DRAINAGE LONGITUDINAL SECTION
59	DRAINAGE PIT SCHEDULE

**GENERAL NOTES**

1. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS UNLESS SPECIFIED OTHERWISE.
2. 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.
3. 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).
4. WORKSAFE VICTORIA IS TO BE INFORMED FOR TRENCHING OPERATIONS WHERE THE DEPTH IS GREATER THAN 1.5M.
5. 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)
6. ALL CONCRETE SHALL BE SAWCUT TO THE NEAREST JOINT UNLESS SPECIFIED OTHERWISE.
7. ALL SERVICE COVERS WITHIN THE LIMIT OF WORKS SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED SURFACE LEVELS.
8. NO TREES SHALL BE REMOVED UNLESS AUTHORISED BY MAROONDAH CITY COUNCIL.
9. 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.
10. 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.
11. 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.
12. AN APPROVED COPY OF PLANS AND SPECIFICATIONS SHALL BE AVAILABLE ON SITE AT ALL TIMES DURING CONSTRUCTION.
13. ALL CONCRETE TO HAVE COMPRESSIVE STRENGTH AT 28 DAYS NOT LESS THAN 25 MPa.
14. ALL LINEMARKING TO BE IN ACCORDANCE WITH AS1742.1 AND TO BE LONG LIFE THERMOPLASTIC IN ACCORDANCE WITH VICROADS SECTION 724.

**SEDIMENT CONTROL**

1. 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.
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 EARTHWORKS STOCKPILED, ENDS OF ROAD EXCAVATION, DRAINAGE OUTLETS ETC.
3. 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.
4. 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.

NO	DESCRIPTION	DATE
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CHRIS PROCTOR

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06-2019

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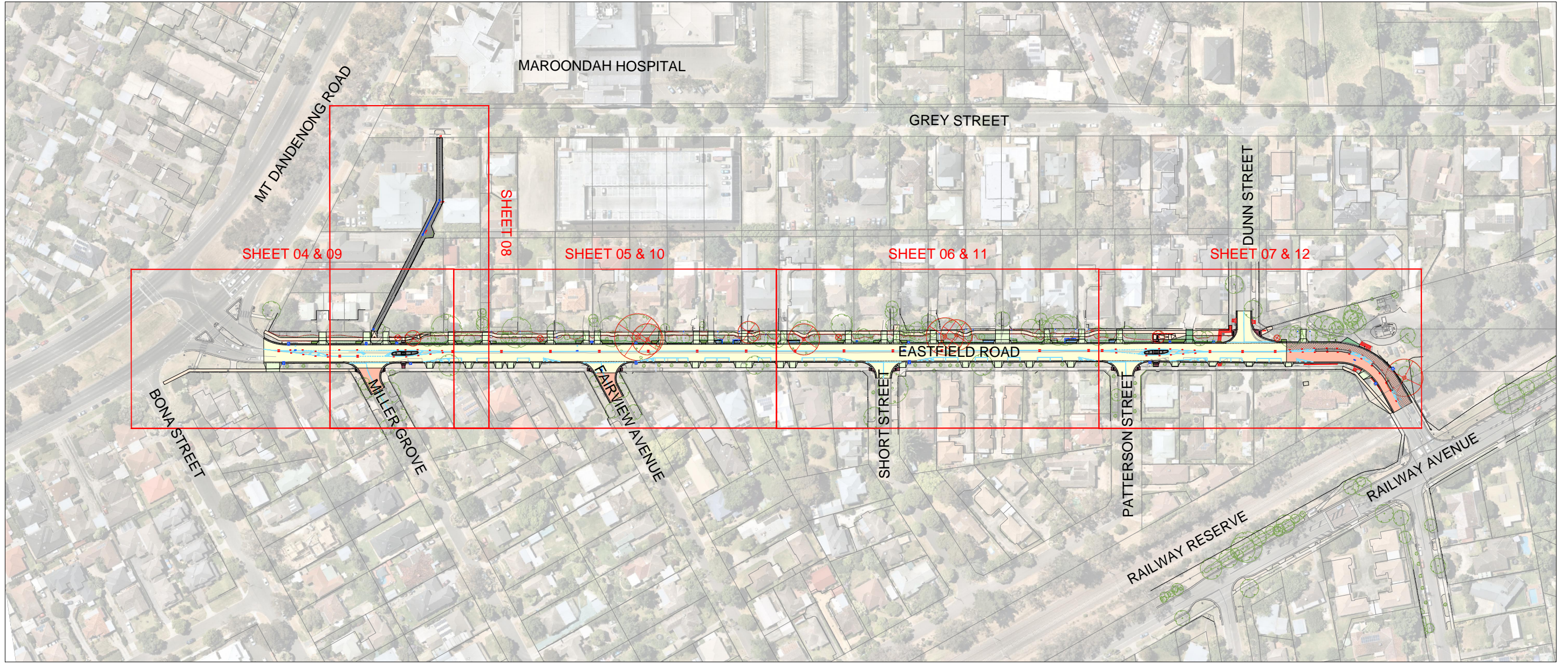
TITLE SHEET - NOTES, LOCALITY PLAN AND DRAWING INDEX

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**PC18048**

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VERSION  
**08**

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PC18048-01-08



**OVERALL PLAN**



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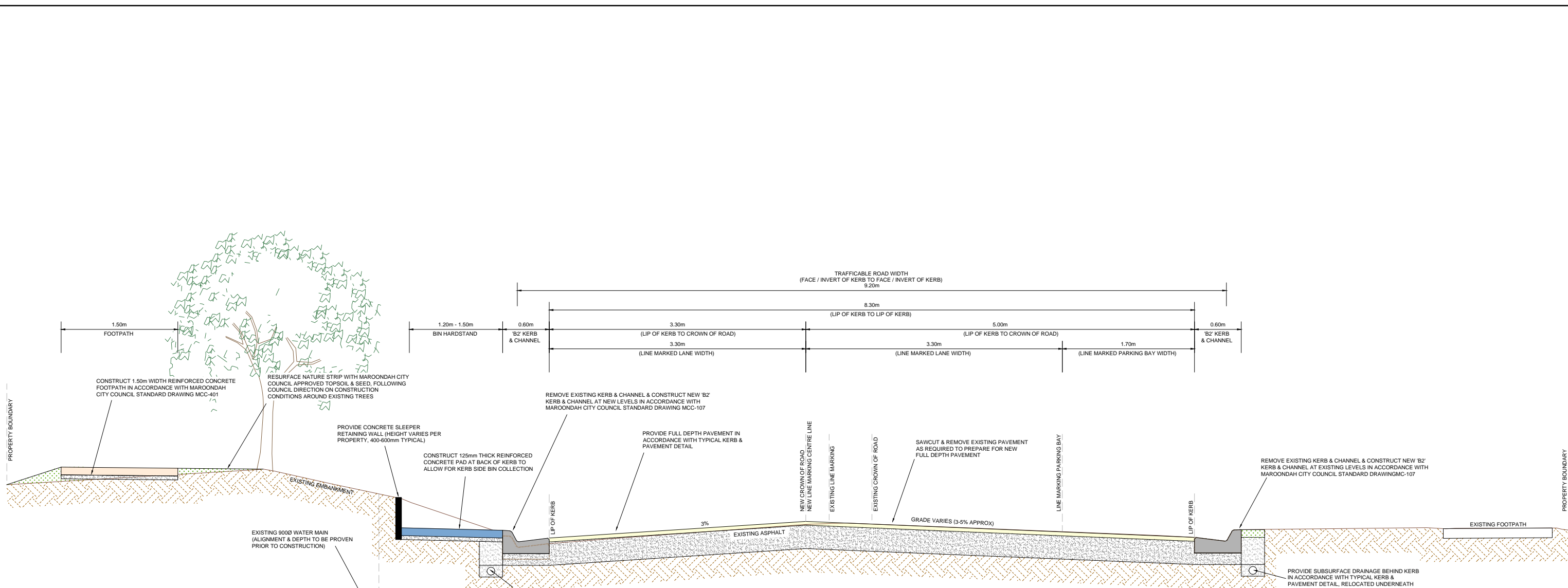
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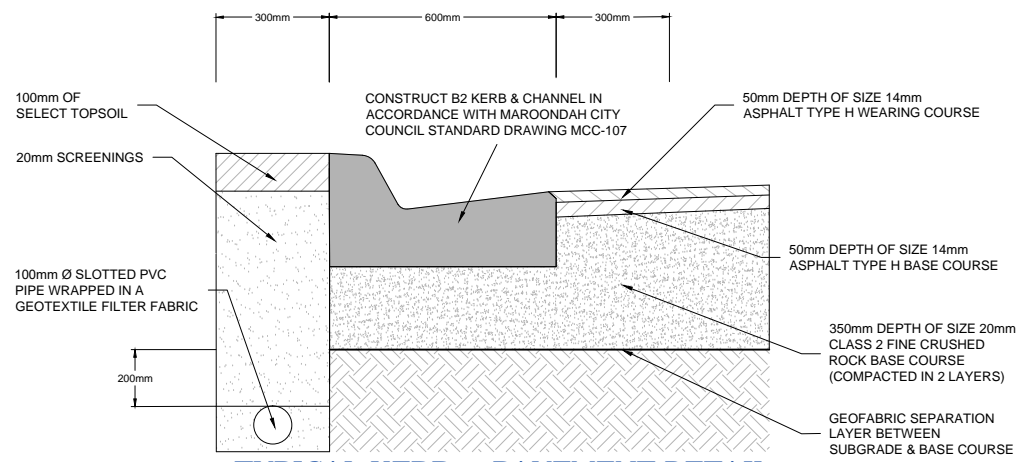
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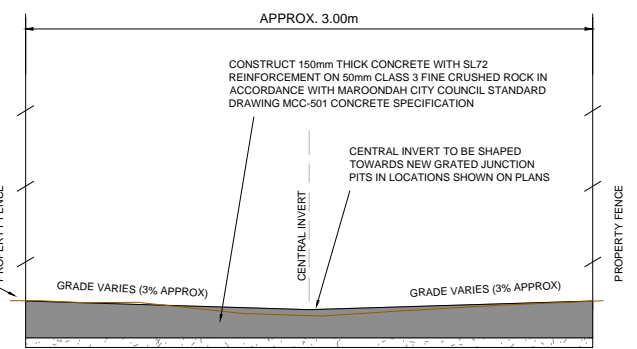
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**PC18048-02-08**



**TYPICAL SECTION**  
 0.5 0.25 0 0.5 1 1:25 @ A1  
 1:50 @ A3



**TYPICAL KERB & PAVEMENT DETAIL**  
 NOT TO SCALE  
 PAVEMENT AS DIRECTED BY MAROONDAH CITY COUNCIL



**TYPICAL RIGHT OF WAY PAVEMENT DETAIL**  
 NOT TO SCALE  
 GENERALLY IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD COUNCIL DRAWING MCC-501 CONCRETE SPECIFICATION

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TYPICAL SECTION & PAVEMENT DETAIL

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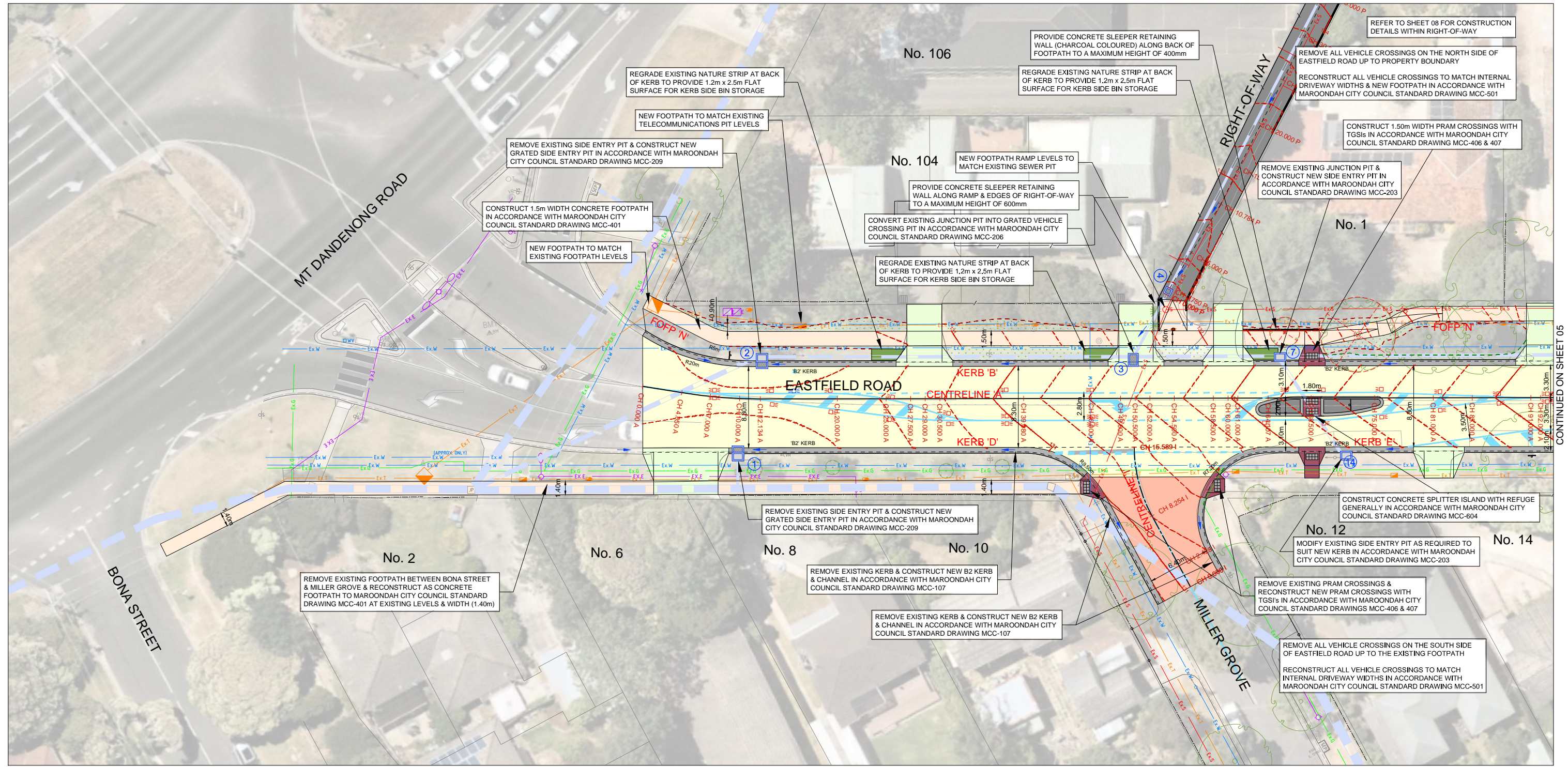
**LEGEND**

- FULL DEPTH PAVEMENT WITH ASPHALT WEARING COURSE IN ACCORDANCE WITH DETAIL ON SHEET 03
- 'MILL & FILL' EXISTING SURFACE BY A MINIMUM 50mm TO ALLOW FOR 50mm ASPHALT WEARING COURSE OVERLAY IN ACCORDANCE WITH DETAIL ON SHEET 03
- 125mm THICK REINFORCED CONCRETE PAD IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-401 (BIN COLLECTION HARDSTAND)
- 100mm THICK TOPSOIL & SEED, LEVELED FLAT FOR BIN COLLECTION
- 125mm THICK CONCRETE PRAM CROSSING WITH TACTILES IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWINGS MCC-406 & 407
- 125mm THICK REINFORCED CONCRETE FOOTPATH IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-401
- 150mm THICK REINFORCED CONCRETE VEHICLE CROSSING IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-501
- 200mm THICK CONCRETE VEHICLE CROSSING IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING SD-H03
- 150mm THICK REINFORCED CONCRETE RIGHT-OF-WAY WITH CENTRAL INVERT IN ACCORDANCE WITH DETAIL ON SHEET 01
- HIGH FRICTION SURFACE TREATMENT

- PAVEMENT LINE MARKING
- TREE TO BE REMOVED
- FINISHED SURFACE CONTOUR MAJOR (1.0m)
- FINISHED SURFACE CONTOUR MINOR (0.2m)
- FILL BATTER EXTENT
- CUT BATTER EXTENT
- TOPSOIL & SEED REINSTATEMENT OF NATURE STRIP IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS
- CONCRETE KERB AND CHANNEL IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-107
- EX-W EXISTING WATER
- EX-G EXISTING GAS
- EX-S EXISTING SEWER
- EX-T EXISTING TELECOMMUNICATIONS
- EX-E EXISTING UNDERGROUND ELECTRICITY
- EXISTING CONTOUR MAJOR (1.0m)
- EXISTING CONTOUR MINOR (0.25m)
- EXISTING DRAINAGE PIPE
- DRAINAGE PIT WITH PIT NUMBER AND PIPE
- DIRECTION OF CHANNEL FLOW
- CONCRETE SLEEPER RETAINING WALL IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-703 (CHARCOAL COLOURED)



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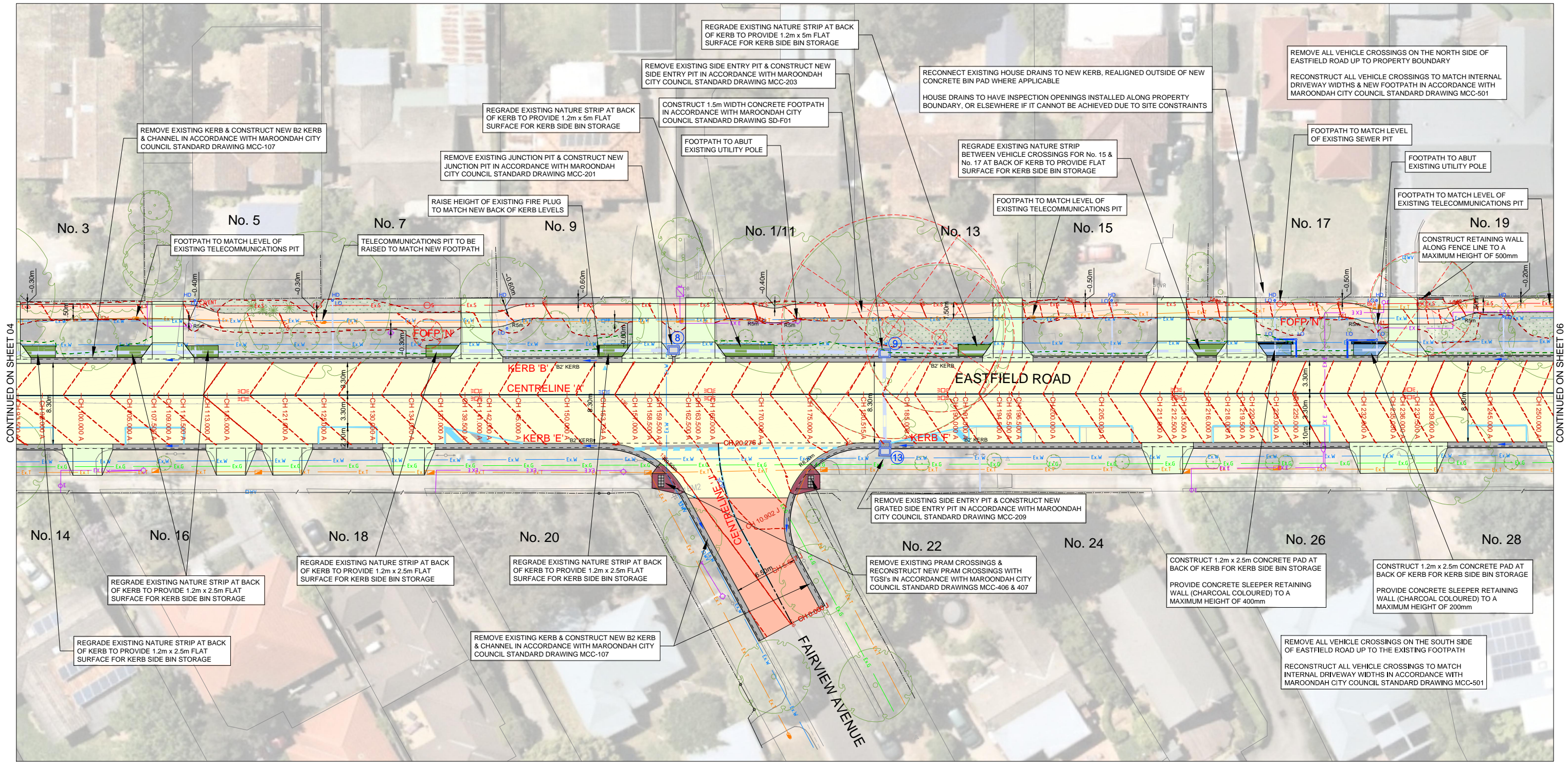
CONTINUED ON SHEET 05

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**ROAD & DRAINAGE RECONSTRUCTION WORKS**

**EASTFIELD ROAD, RINGWOOD EAST**

GENERAL LAYOUT PLAN

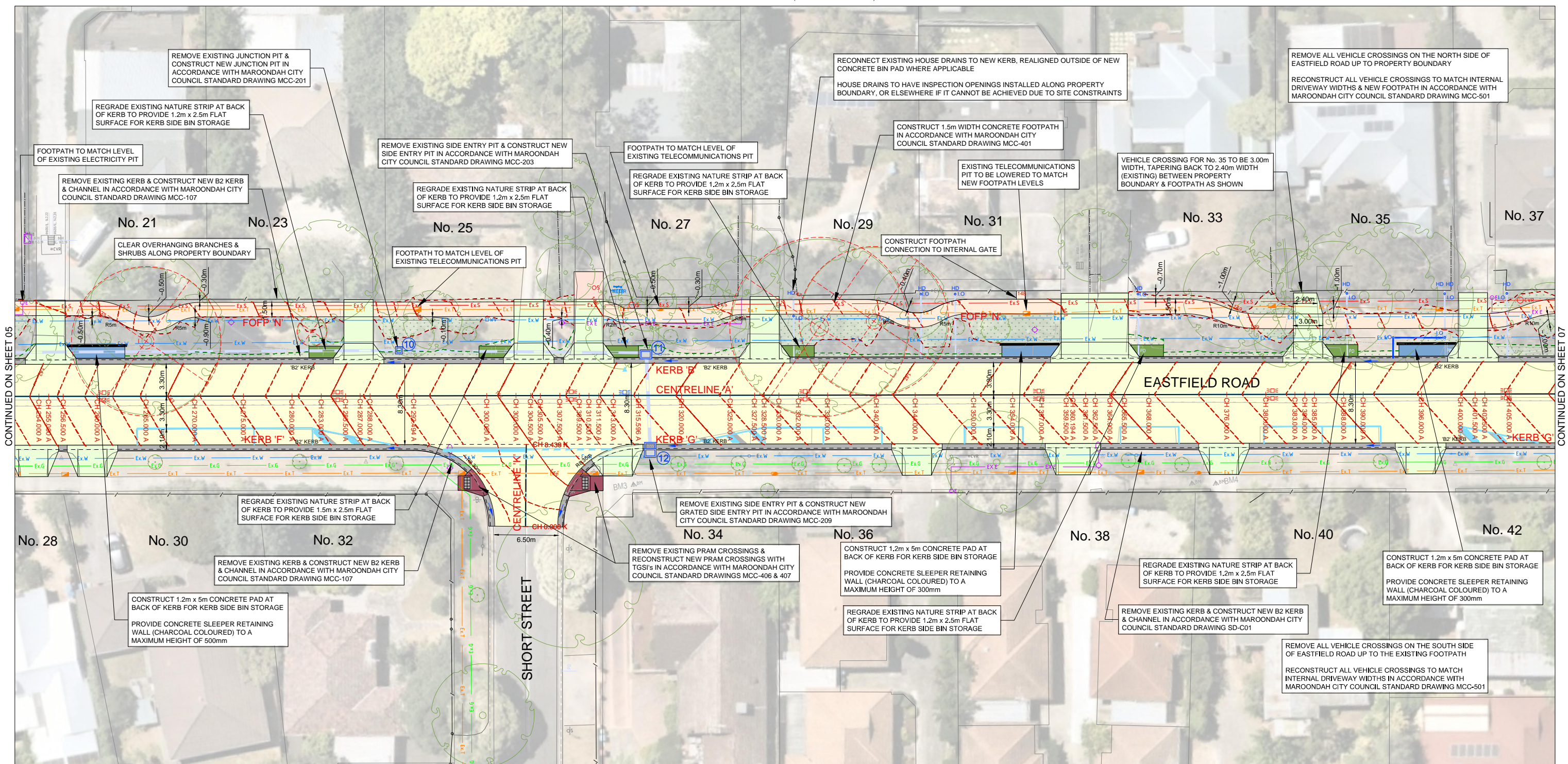
PROJECT No.	PC18048
SHEET No.	05 OF 59
VERSION	08
DWG No.	PC18048-05-08

**LEGEND**

- FULL DEPTH PAVEMENT WITH ASPHALT WEARING COURSE IN ACCORDANCE WITH DETAIL ON SHEET 03
- 'MILL & FILL' EXISTING SURFACE BY A MINIMUM 50mm TO ALLOW FOR 50mm ASPHALT WEARING COURSE OVERLAY IN ACCORDANCE WITH DETAIL ON SHEET 03
- 125mm THICK REINFORCED CONCRETE PAD IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-401 (BIN COLLECTION HARDSTAND)
- 100mm THICK TOPSOIL & SEED, LEVELED FLAT FOR BIN COLLECTION
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- 150mm THICK REINFORCED CONCRETE RIGHT-OF-WAY WITH CENTRAL INVERT IN ACCORDANCE WITH DETAIL ON SHEET 01
- HIGH FRICTION SURFACE TREATMENT
- PAVEMENT LINE MARKING
- TREE TO BE REMOVED
- FINISHED SURFACE CONTOUR MAJOR (1.0m)
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- FILL BATTER EXTENT
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- TOPSOIL & SEED REINSTATEMENT OF NATURE STRIP IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS
- CONCRETE KERB AND CHANNEL IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-107
- EX-W EXISTING WATER
- EX-G EXISTING GAS
- EX-S EXISTING SEWER
- EX-T EXISTING TELECOMMUNICATIONS
- EX-E EXISTING UNDERGROUND ELECTRICITY
- EXISTING CONTOUR MAJOR (1.0m)
- EXISTING CONTOUR MINOR (0.25m)
- EXISTING DRAINAGE PIPE
- DRAINAGE PIT WITH PIT NUMBER AND PIPE
- DIRECTION OF CHANNEL FLOW
- CONCRETE SLEEPER RETAINING WALL IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-703 (CHARCOAL COLOURED)



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1:200 @ A1  
1:400 @ A3

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VER	DESCRIPTION	DATE

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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  
06-2019

AERIAL IMAGE DATE  
19-12-2019

LOCAL GOVERNMENT AREA  
**CITY OF MAROONDAH**

CLIENT

CLIENT PROJECT MANAGER / CONTACT  
TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

EASTFIELD ROAD, RINGWOOD EAST

GENERAL LAYOUT PLAN

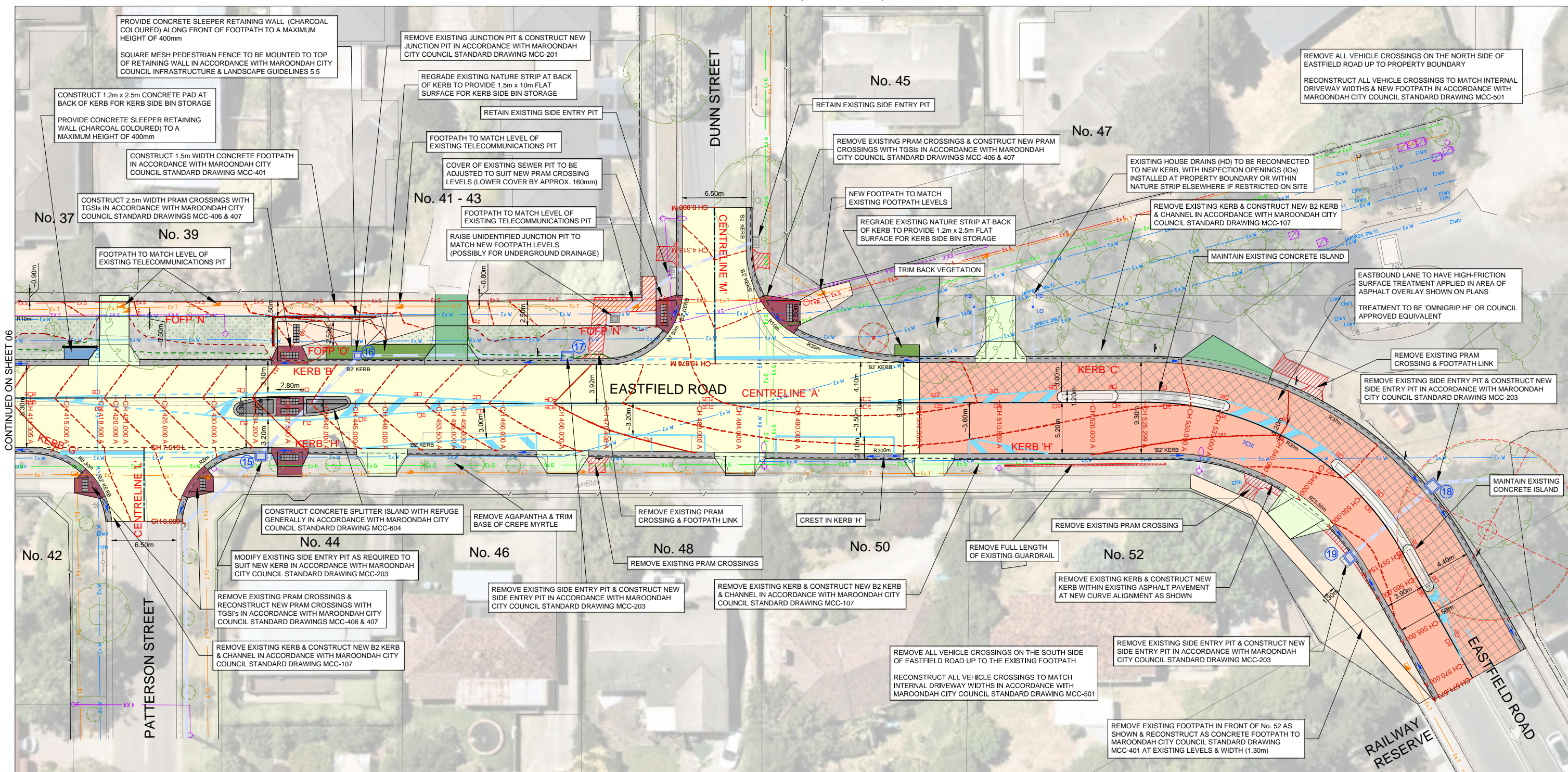
PROJECT No.	PC18048
SHEET No.	06 OF 59
VERSION	08
DWG No.	PC18048-06-08

**LEGEND**

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- EX-D EXISTING DRAINAGE PIPE
- EX-P DRAINAGE PIT WITH PIT NUMBER AND PIPE
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- CONCRETE SLEEPER RETAINING WALL IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-703 (CHARCOAL COLOURED)



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GENERAL LAYOUT PLAN

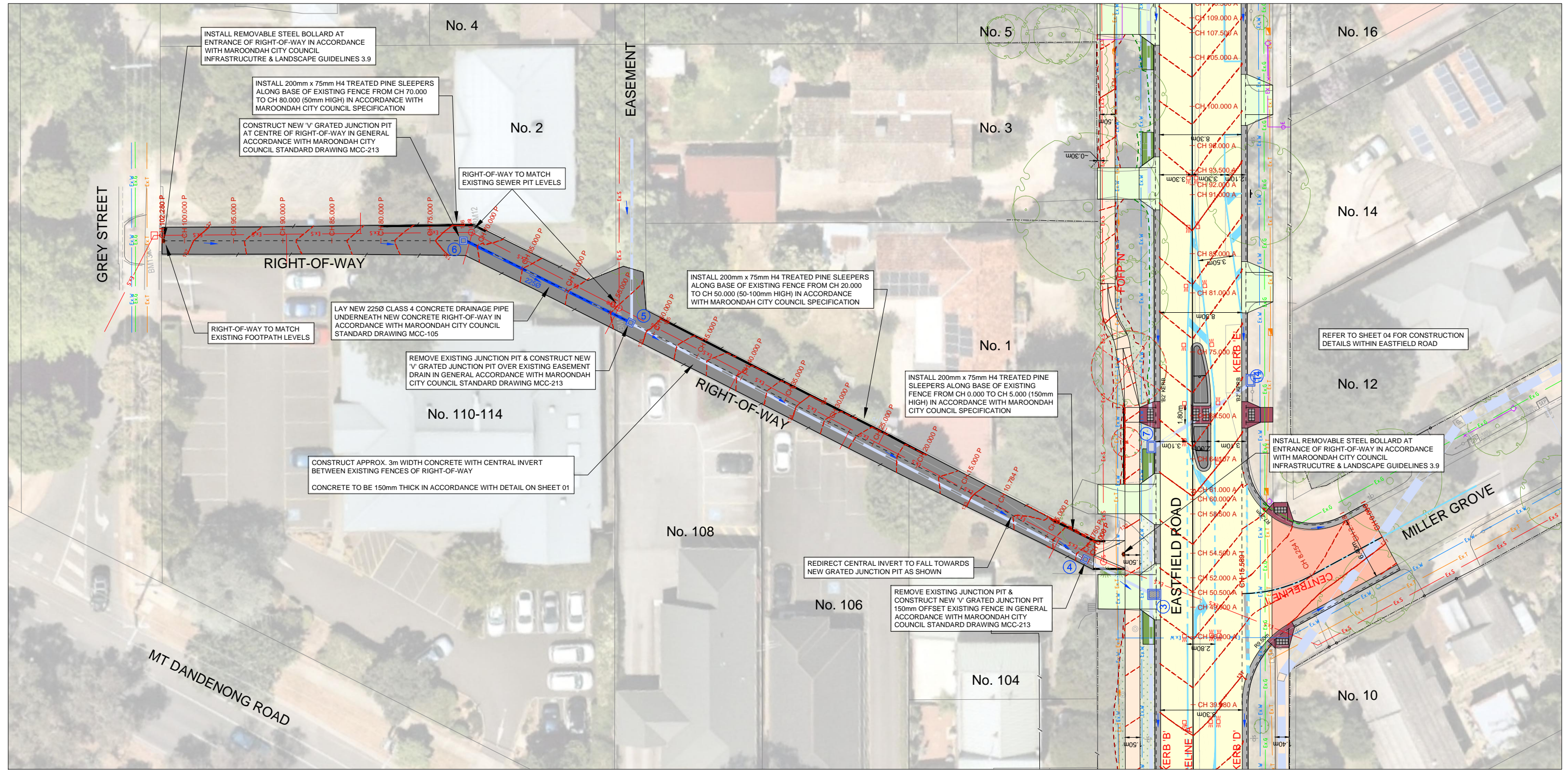
PROJECT No.	PC18048
SHEET No.	07 OF 59
VERSION	08
DWG No.	PC18048-07-08

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GENERAL LAYOUT PLAN

PROJECT No.	PC18048
SHEET No.	08 OF 59
VERSION	08
DWG No.	PC18048-08-08





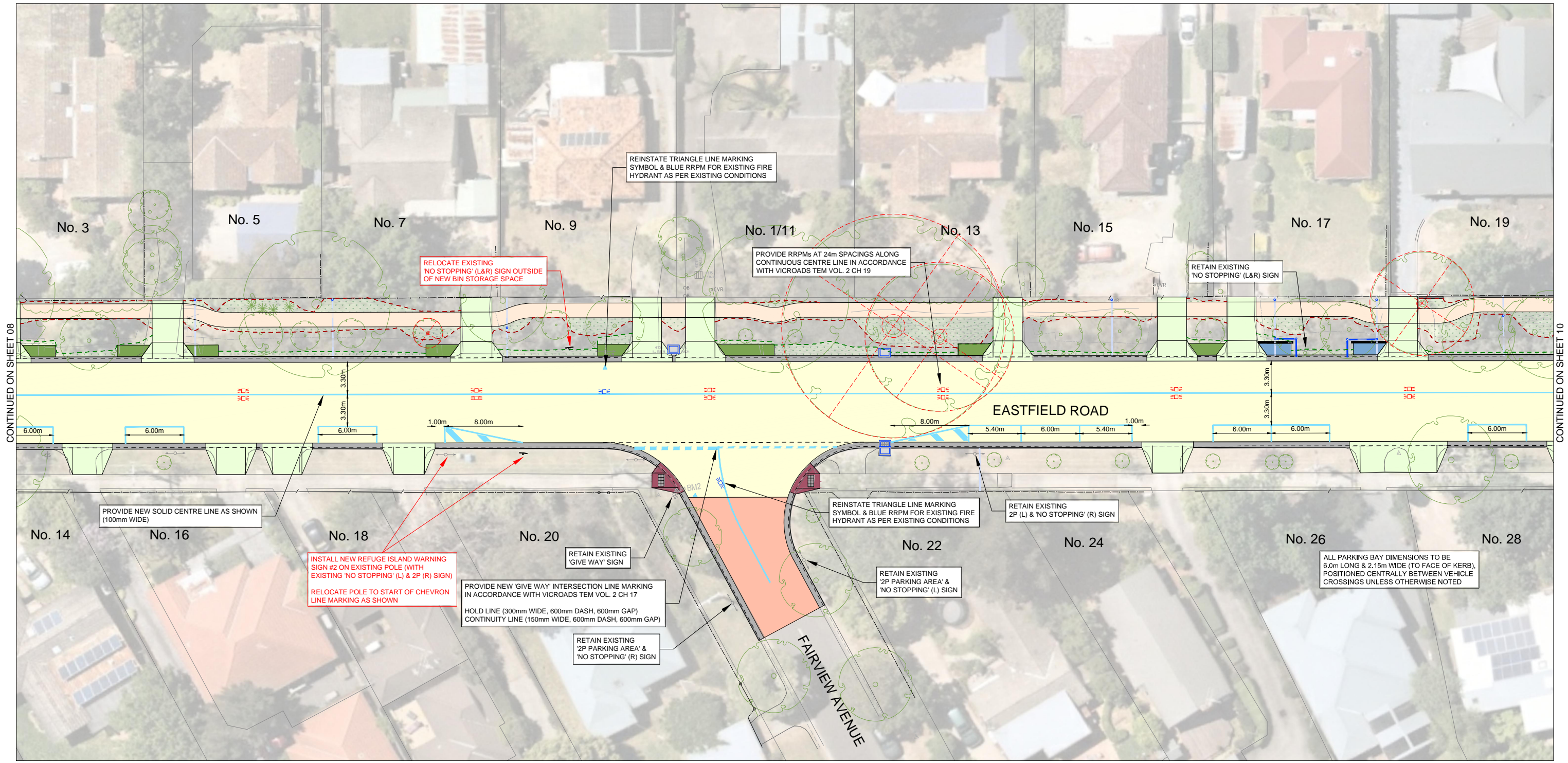
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**SIGN LEGEND**

- #1 #2 #3 #4
- W8-25 W8-2
- SIGNS SHOWN AS



**SIGNS & LINE MARKING PLAN**

1:200 @ A1  
1:400 @ A3

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SIGNS & LINE MARKING PLAN

PROJECT No.	PC18048
SHEET No.	10 OF 59
VERSION	08
DWG No.	PC18048-10-08

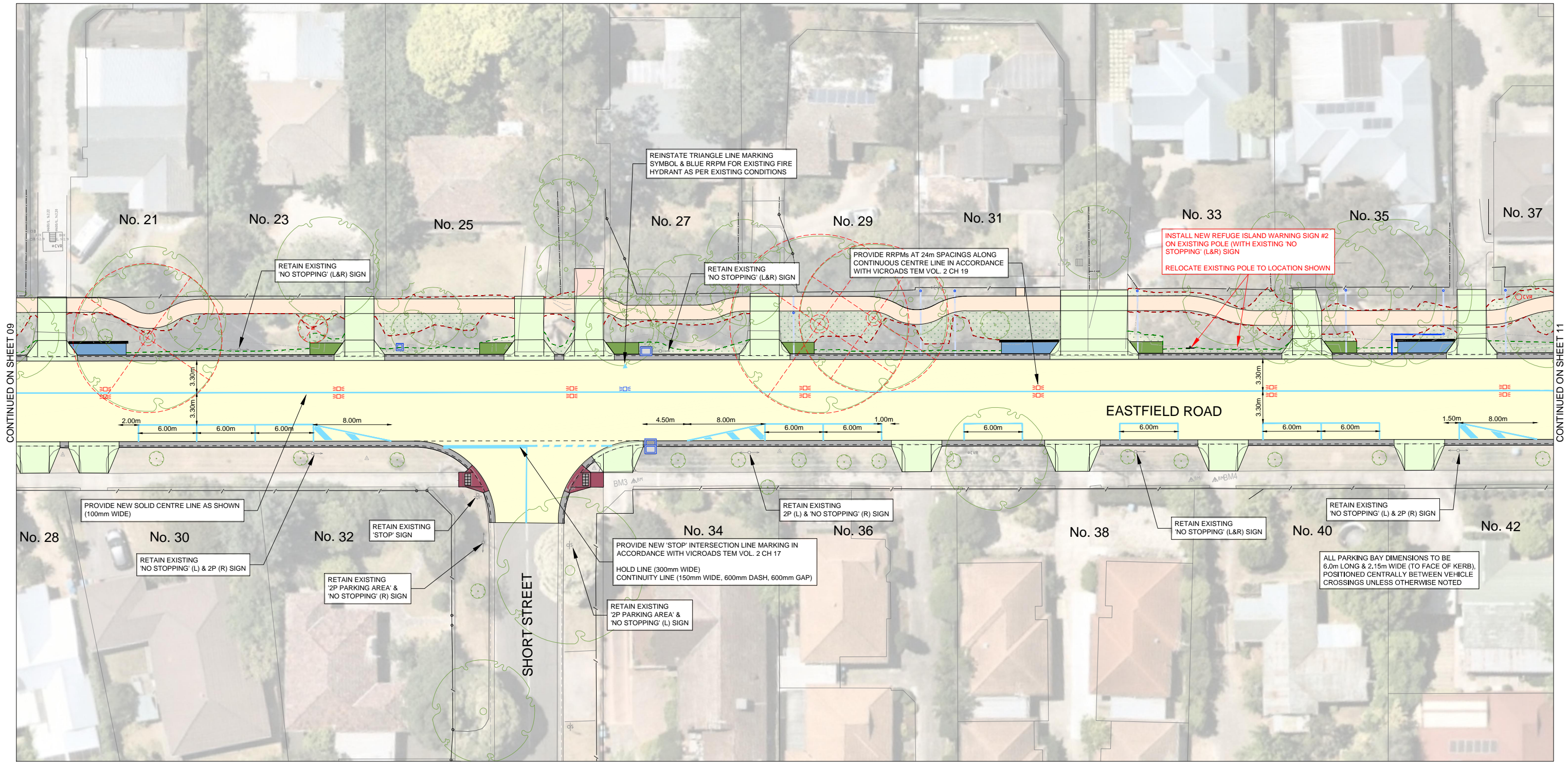
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**SIGN LEGEND**

- #1
  - #2
  - #3
  - #4
  - W8-25
  - 35 km/h
  - W8-2
  - D4-6
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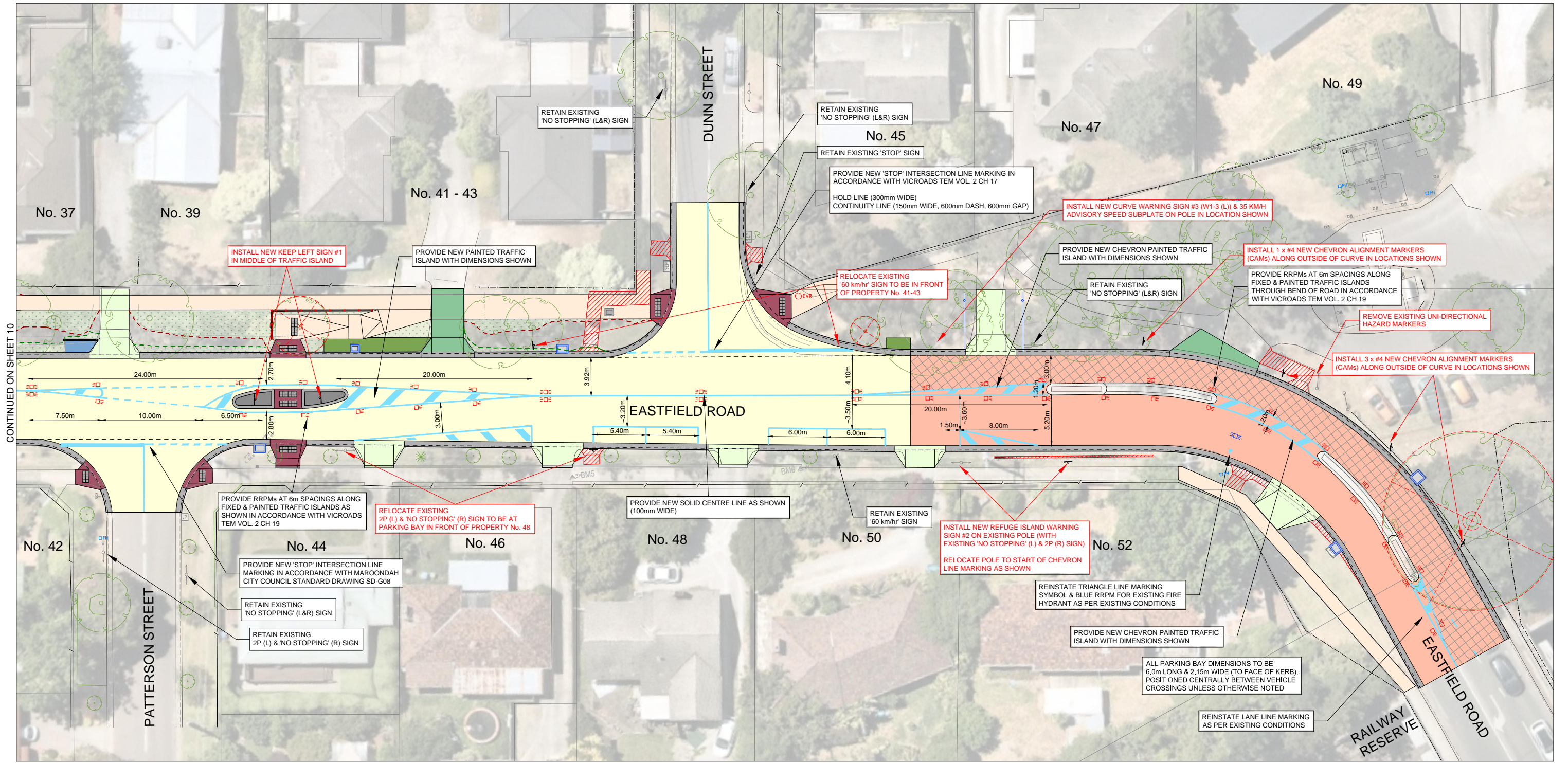
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- HIGH FRICTION SURFACE TREATMENT

- PAVEMENT LINE MARKING
- TREE TO BE REMOVED
- FINISHED SURFACE CONTOUR MAJOR (1.0m)
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- FILL BATTER EXTENT
- CUT BATTER EXTENT
- TOPSOIL & SEED REINSTATEMENT OF NATURE STRIP IN ACCORDANCE WITH MAROONDAH CITY COUNCIL SPECIFICATIONS
- CONCRETE KERB AND CHANNEL IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-107
- EXISTING WATER
- EXISTING GAS
- EXISTING SEWER
- EXISTING TELECOMMUNICATIONS
- EXISTING UNDERGROUND ELECTRICITY
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- CONCRETE SLEEPER RETAINING WALL IN ACCORDANCE WITH MAROONDAH CITY COUNCIL STANDARD DRAWING MCC-703 (CHARCOAL COLOURED)

**SIGN LEGEND**

- #1 KEEP LEFT
- R2-3(L) #2 REFUGE ISLAND
- W6-1 #3 W1-3(R) #4
- W8-25 35 km/h W8-2
- D4-6
- SIGNS SHOWN AS



**SIGNS & LINE MARKING PLAN**



08	FOR CONSTRUCTION	23-03-2022
07	FOR CONSTRUCTION	21-02-2022
06	FOR CONSTRUCTION	01-12-2021
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02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	03-06-2020
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00	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-02-2020
VER	DESCRIPTION	DATE

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CIVIL ENGINEERING DESIGN  
LUKE WHITFIELD  
REGISTERED AND CHARTERED PROFESSIONAL ENGINEER REVIEW  
CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE  
AS SHOWN @ A1

HEIGHT DATUM  
AHD

COORDINATE DATUM  
MGA 94 ZONE 55

SURVEY DATE  
06-2019

AERIAL IMAGE DATE  
19-12-2019

LOCAL GOVERNMENT AREA  
**CITY OF MAROONDAH**

CLIENT  
**Maroondah**  
City Council

CLIENT PROJECT MANAGER / CONTACT  
TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

**EASTFIELD ROAD, RINGWOOD EAST**

SIGNS & LINE MARKING PLAN

PROJECT No.	PC18048
SHEET No.	12 OF 59
VERSION	08
DWG No.	PC18048-12-08

**LEGEND**

- FULL DEPTH PAVEMENT WITH ASPHALT WEARING COURSE IN ACCORDANCE WITH DETAIL ON SHEET 03
- 'MILL & FILL' EXISTING SURFACE BY A MINIMUM 50mm TO ALLOW FOR 50mm ASPHALT WEARING COURSE OVERLAY IN ACCORDANCE WITH DETAIL ON SHEET 03
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**LIP OF KERB SETOUT POINT TABLES**

COORDINATE POINT SHOWN AS:

Point Number	Easting (m)	Northing (m)	FS (m RL)
B1	346133.981	5814016.393	130.52
B2	346144.258	5814011.725	130.29
B3	346598.706	5813947.531	152.05
B4	346607.524	5813954.193	152.49
B5	346608.625	5813962.211	152.88

D1	346132.374	5814005.021	130.33
D2	346170.982	5813999.567	130.91
D3	346178.556	5813993.475	131.01
D4	346182.857	5813981.919	130.79

E1	346188.855	5813984.152	131.16
E2	346188.009	5813986.426	131.20
E3	346195.763	5813996.067	131.91
E4	346284.509	5813983.531	135.72
E5	346292.094	5813977.411	135.95
E6	346298.031	5813961.308	135.78

Z1	346199.604	5813998.707	132.19
Z2	346195.641	5813999.274	132.04
Z3	346195.610	5814000.655	132.10
Z4	346199.521	5814000.740	132.26
Z5	346199.888	5814000.687	132.28
Z6	346201.967	5814000.390	132.35
Z7	346207.572	5813999.588	132.56
Z8	346207.573	5813998.400	132.52
Z9	346201.830	5813998.389	132.27
Z10	346201.684	5813998.410	132.27



**WARNING**  
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**CENTRELINE SETOUT POINT TABLES**

COORDINATE POINT SHOWN AS:

Point Number	Easting (m)	Northing (m)	FS (m RL)
A1	346133.256	5814011.263	130.53
A2	346137.122	5814010.058	130.48
A3	346145.000	5814008.287	130.46
A4	346285.208	5813988.482	135.94
A5	346311.726	5813984.736	137.28
A6	346489.639	5813959.604	147.83
A7	346514.081	5813956.152	148.93
A8	346566.373	5813948.765	151.15
A9	346566.286	5813948.151	151.13
A10	346629.705	5813939.193	152.46
A11	346652.420	5813935.984	152.23
A12	346676.209	5813917.090	151.66
A13	346681.440	5813903.546	151.70

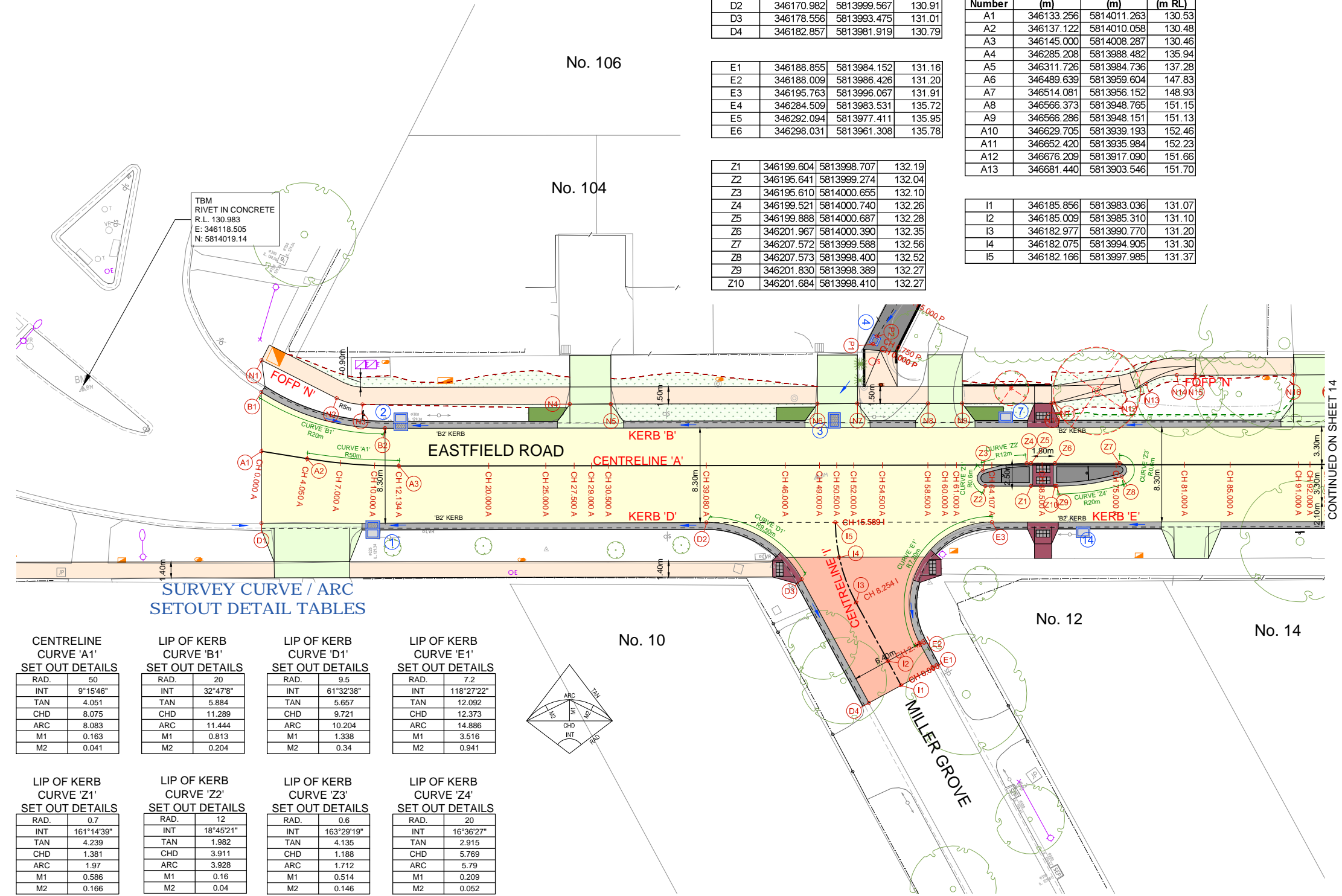
I1	346185.856	5813983.036	131.07
I2	346185.009	5813985.310	131.10
I3	346182.977	5813990.770	131.20
I4	346182.075	5813994.905	131.30
I5	346182.166	5813997.985	131.37

**FRONT OF FOOTPATH SETOUT POINT TABLES**

COORDINATE POINT SHOWN AS:

Point Number	Easting (m)	Northing (m)	FS (m RL)
N1	346134.394	5814019.165	130.69
N2	346140.445	5814014.932	130.63
N3	346142.611	5814014.078	130.61
N4	346160.599	5814011.537	130.80
N5	346164.164	5814011.034	130.93
N6	346182.093	5814008.501	131.63
N7	346185.559	5814008.011	131.77
N8	346191.694	5814007.145	132.02
N9	346194.664	5814006.725	132.15
N10	346202.408	5814005.631	132.42
N11	346202.636	5814005.617	132.43
N12	346208.896	5814005.697	132.88
N13	346210.880	5814006.136	132.90
N14	346213.629	5814006.526	133.10
N15	346215.238	5814006.299	133.22
N16	346223.745	5814005.097	133.66
N17	346226.913	5814004.650	133.67
N18	346240.352	5814002.751	134.21
N19	346243.521	5814002.304	134.32
N20	346245.526	5814001.558	134.47
N21	346247.532	5814000.813	134.62
N22	346271.676	5813997.402	135.50
N23	346274.845	5813996.954	135.66
N24	346276.979	5813997.115	135.79
N25	346279.112	5813997.276	135.92
N26	346289.290	5813995.839	136.28
N27	346292.261	5813995.419	136.43
N28	346294.713	5813995.073	136.69
N29	346297.683	5813994.653	136.71
N30	346300.657	5813994.233	136.93
N31	346302.159	5813993.771	137.01
N32	346305.231	5813993.338	137.17
N33	346306.801	5813993.365	137.24
N34	346326.029	5813990.649	138.35
N35	346329.000	5813990.229	138.36
N36	346342.766	5813988.285	139.49
N37	346345.737	5813987.865	139.56
N38	346349.861	5813987.282	140.09
N39	346352.832	5813986.863	140.19
N40	346361.610	5813985.623	141.01
N41	346363.409	5813985.003	141.01
N42	346365.209	5813984.383	141.02
N43	346366.199	5813984.243	141.02
N44	346369.170	5813983.823	141.23

Point Number	Easting (m)	Northing (m)	FS (m RL)
N45	346371.252	5813983.529	141.54
N46	346373.650	5813983.778	141.91
N47	346376.048	5813984.026	142.28
N48	346385.380	5813982.708	142.53
N49	346388.350	5813982.288	142.59
N50	346391.340	5813981.866	142.93
N51	346393.957	5813980.658	143.26
N52	346396.572	5813979.449	143.56
N53	346399.285	5813979.823	143.68
N54	346401.999	5813980.198	143.80
N55	346416.659	5813978.127	144.46
N56	346419.629	5813977.707	144.53
N57	346433.960	5813975.663	145.45
N58	346436.931	5813975.263	145.49
N59	346440.067	5813974.820	145.89
N60	346443.037	5813974.401	146.00
N61	346444.107	5813973.896	146.11
N62	346445.177	5813973.392	146.22
N63	346453.149	5813972.266	146.52
N64	346455.238	5813972.414	146.61
N65	346457.328	5813972.561	146.64
N66	346457.974	5813972.470	146.63
N67	346460.944	5813972.049	146.70
N68	346469.936	5813970.778	147.30
N69	346472.360	5813969.730	147.53
N70	346477.406	5813969.016	147.71
N71	346480.026	5813969.350	147.76
N72	346489.622	5813967.992	147.97
N73	346496.454	5813967.026	148.39
N74	346502.005	5813966.241	148.65
N75	346505.700	5813964.943	148.83
N76	346509.398	5813963.645	149.02
N77	346513.031	5813963.123	149.11
N78	346516.091	5813962.690	149.22
N79	346529.788	5813960.756	149.87
N80	346532.758	5813960.336	149.94
N81	346536.673	5813960.559	150.34
N82	346540.589	5813960.782	150.68
N83	346548.376	5813959.680	150.83
N84	346551.346	5813959.258	150.92
N85	346582.179	5813954.898	151.88
N86	346582.040	5813953.908	151.85
N87	346585.306	5813953.442	151.94
N88	346605.477	5813950.590	152.30



**SURVEY CURVE / ARC SETOUT DETAIL TABLES**

CENTRELINE CURVE 'A1' SET OUT DETAILS		LIP OF KERB CURVE 'B1' SET OUT DETAILS		LIP OF KERB CURVE 'D1' SET OUT DETAILS		LIP OF KERB CURVE 'E1' SET OUT DETAILS	
RAD.	50	RAD.	20	RAD.	9.5	RAD.	7.2
INT	9°15'46"	INT	32°47'8"	INT	61°32'38"	INT	118°27'22"
TAN	4.051	TAN	5.884	TAN	5.657	TAN	12.092
CHD	8.075	CHD	11.289	CHD	9.721	CHD	12.373
ARC	8.083	ARC	11.444	ARC	10.204	ARC	14.886
M1	0.163	M1	0.813	M1	1.338	M1	3.516
M2	0.041	M2	0.204	M2	0.34	M2	0.941

LIP OF KERB CURVE 'Z1' SET OUT DETAILS		LIP OF KERB CURVE 'Z2' SET OUT DETAILS		LIP OF KERB CURVE 'Z3' SET OUT DETAILS		LIP OF KERB CURVE 'Z4' SET OUT DETAILS	
RAD.	0.7	RAD.	12	RAD.	0.6	RAD.	20
INT	161°14'39"	INT	18°45'21"	INT	163°29'19"	INT	16°36'27"
TAN	4.239	TAN	1.982	TAN	4.135	TAN	2.915
CHD	1.381	CHD	3.911	CHD	1.188	CHD	5.789
ARC	1.97	ARC	3.928	ARC	1.712	ARC	5.79
M1	0.586	M1	0.16	M1	0.514	M1	0.209
M2	0.166	M2	0.04	M2	0.146	M2	0.052

**SURVEY SETOUT PLAN**



NO.	DESCRIPTION	DATE
08	FOR CONSTRUCTION	23-03-2022
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ORIGINAL SCALE & SHEET SIZE  
AS SHOWN @ A1

HEIGHT DATUM  
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COORDINATE DATUM  
MGA 94 ZONE 55

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06-2019

AERIAL IMAGE DATE  
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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
EASTFIELD ROAD, RINGWOOD EAST

SURVEY SETOUT PLAN

PROJECT No. PC18048  
SHEET No. 13 OF 59  
VERSION 08  
DWG No. PC18048-13-08

**LEGEND**

- FULL DEPTH PAVEMENT WITH ASPHALT WEARING COURSE IN ACCORDANCE WITH DETAIL ON SHEET 03
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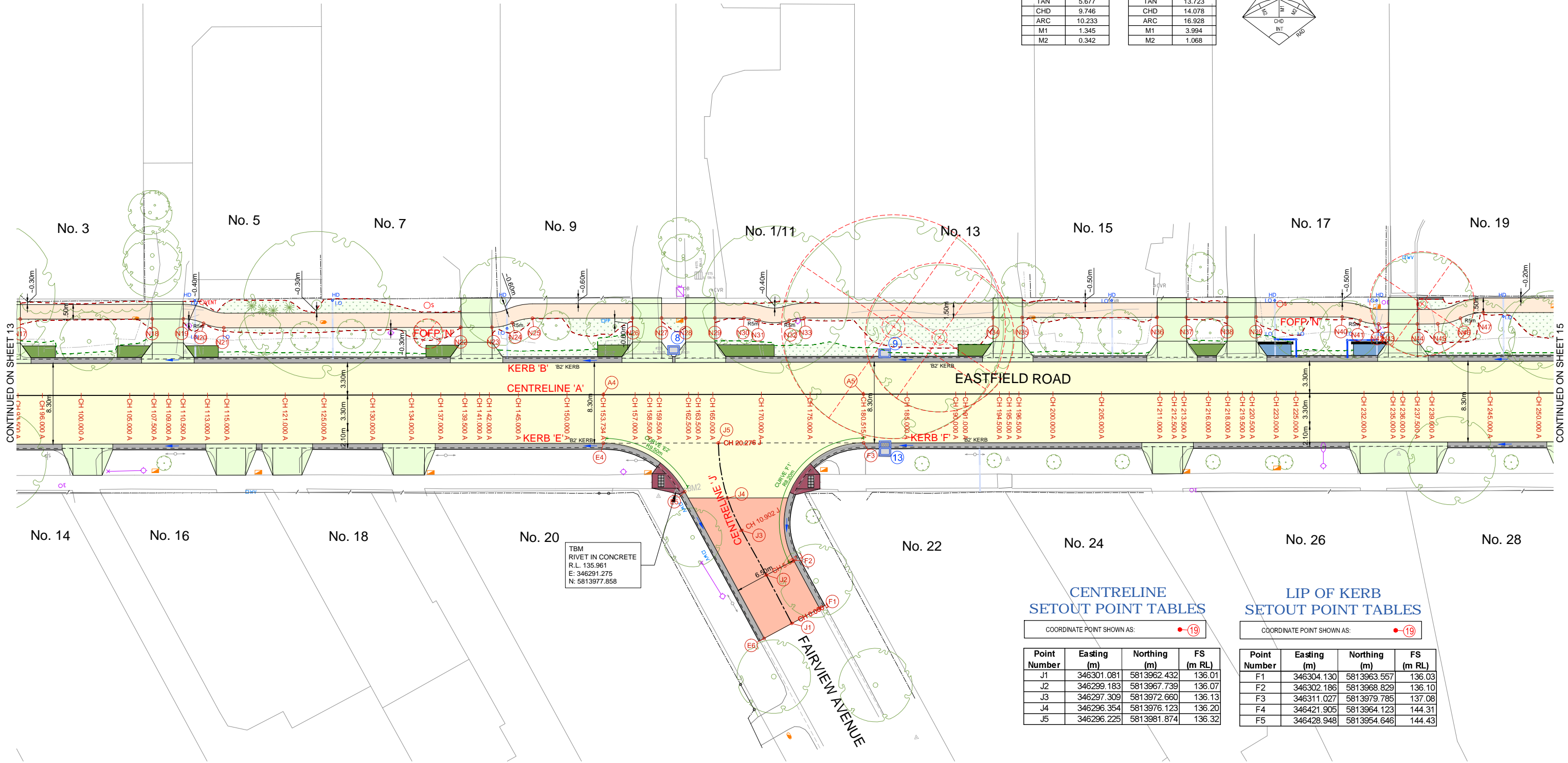
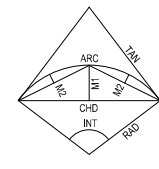
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**SURVEY CURVE / ARC SETOUT DETAIL TABLES**

LIP OF KERB CURVE 'E2' SET OUT DETAILS		LIP OF KERB CURVE 'F1' SET OUT DETAILS	
RAD.	9.5	RAD.	8.2
INT	61°43'10"	INT	118°16'50"
TAN	5.677	TAN	13.723
CHD	9.746	CHD	14.078
ARC	10.233	ARC	16.928
M1	1.345	M1	3.994
M2	0.342	M2	1.068



**CENTRELINE SETOUT POINT TABLES**

COORDINATE POINT SHOWN AS: ●-19

Point Number	Easting (m)	Northing (m)	FS (m RL)
J1	346301.081	5813962.432	136.01
J2	346299.183	5813967.739	136.07
J3	346297.309	5813972.660	136.13
J4	346296.354	5813976.123	136.20
J5	346296.225	5813981.874	136.32

**LIP OF KERB SETOUT POINT TABLES**

COORDINATE POINT SHOWN AS: ●-19

Point Number	Easting (m)	Northing (m)	FS (m RL)
F1	346304.130	5813963.557	136.03
F2	346302.186	5813968.829	136.10
F3	346311.027	5813979.785	137.08
F4	346421.905	5813964.123	144.31
F5	346428.948	5813954.646	144.43

**SURVEY SETOUT PLAN**



<table border="1"> <tr><td>08 FOR CONSTRUCTION</td><td>23-03-2022</td></tr> <tr><td>07 FOR CONSTRUCTION</td><td>21-02-2022</td></tr> <tr><td>06 FOR CONSTRUCTION</td><td>01-12-2021</td></tr> <tr><td>05 DETAILED DESIGN - ISSUED FOR REVIEW</td><td>06-09-2021</td></tr> <tr><td>04 DETAILED DESIGN - ISSUED FOR REVIEW</td><td>17-02-2021</td></tr> <tr><td>03 DETAILED DESIGN - ISSUED FOR REVIEW</td><td>20-11-2020</td></tr> <tr><td>02 FUNCTIONAL DESIGN - ISSUED FOR REVIEW</td><td>03-06-2020</td></tr> <tr><td>01 FUNCTIONAL DESIGN - ISSUED FOR REVIEW</td><td>15-05-2020</td></tr> <tr><td>00 FUNCTIONAL DESIGN - ISSUED FOR REVIEW</td><td>28-02-2020</td></tr> <tr><td>VER DESCRIPTION</td><td>DATE</td></tr> </table>	08 FOR CONSTRUCTION	23-03-2022	07 FOR CONSTRUCTION	21-02-2022	06 FOR CONSTRUCTION	01-12-2021	05 DETAILED DESIGN - ISSUED FOR REVIEW	06-09-2021	04 DETAILED DESIGN - ISSUED FOR REVIEW	17-02-2021	03 DETAILED DESIGN - ISSUED FOR REVIEW	20-11-2020	02 FUNCTIONAL DESIGN - ISSUED FOR REVIEW	03-06-2020	01 FUNCTIONAL DESIGN - ISSUED FOR REVIEW	15-05-2020	00 FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-02-2020	VER DESCRIPTION	DATE	<p>CONSULTANT ENGINEER</p> <p><b>PROCVIL CONSULTING ENGINEERING</b> Specialist Civil Engineering Design Consultants Commitment   Communication   Collaboration</p>	<p>PROCVIL CONSULTING PTY LTD 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@procvil.com.au www.procvil.com.au</p> <p>CIVIL ENGINEERING DESIGN LUKE WHITFIELD REGISTERED AND CHARTERED PROFESSIONAL ENGINEER REVIEW CHRIS PROCTOR</p>	<p>ORIENTATION</p> <p>OR AS SHOWN</p>	<p>ORIGINAL SCALE &amp; SHEET SIZE AS SHOWN @ A1</p> <p>HEIGHT DATUM AHD</p> <p>COORDINATE DATUM MGA 94 ZONE 55</p> <p>SURVEY DATE 06-2019</p> <p>AERIAL IMAGE DATE 19-12-2019</p>	<p>LOCAL GOVERNMENT AREA <b>CITY OF MAROONDAH</b></p> <p>CLIENT </p> <p>CLIENT PROJECT MANAGER / CONTACT TOM DOBSON   MAROONDAH CITY COUNCIL</p>	<p><b>FOR CONSTRUCTION</b></p> <p><b>ROAD &amp; DRAINAGE RECONSTRUCTION WORKS</b></p> <p><b>EASTFIELD ROAD, RINGWOOD EAST</b></p> <p>SURVEY SETOUT PLAN</p>	<p>PROJECT No. PC18048</p> <p>SHEET No. 14 OF 59</p> <p>VERSION 08</p> <p>DWG No. PC18048-14-08</p>
08 FOR CONSTRUCTION	23-03-2022																										
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**LEGEND**

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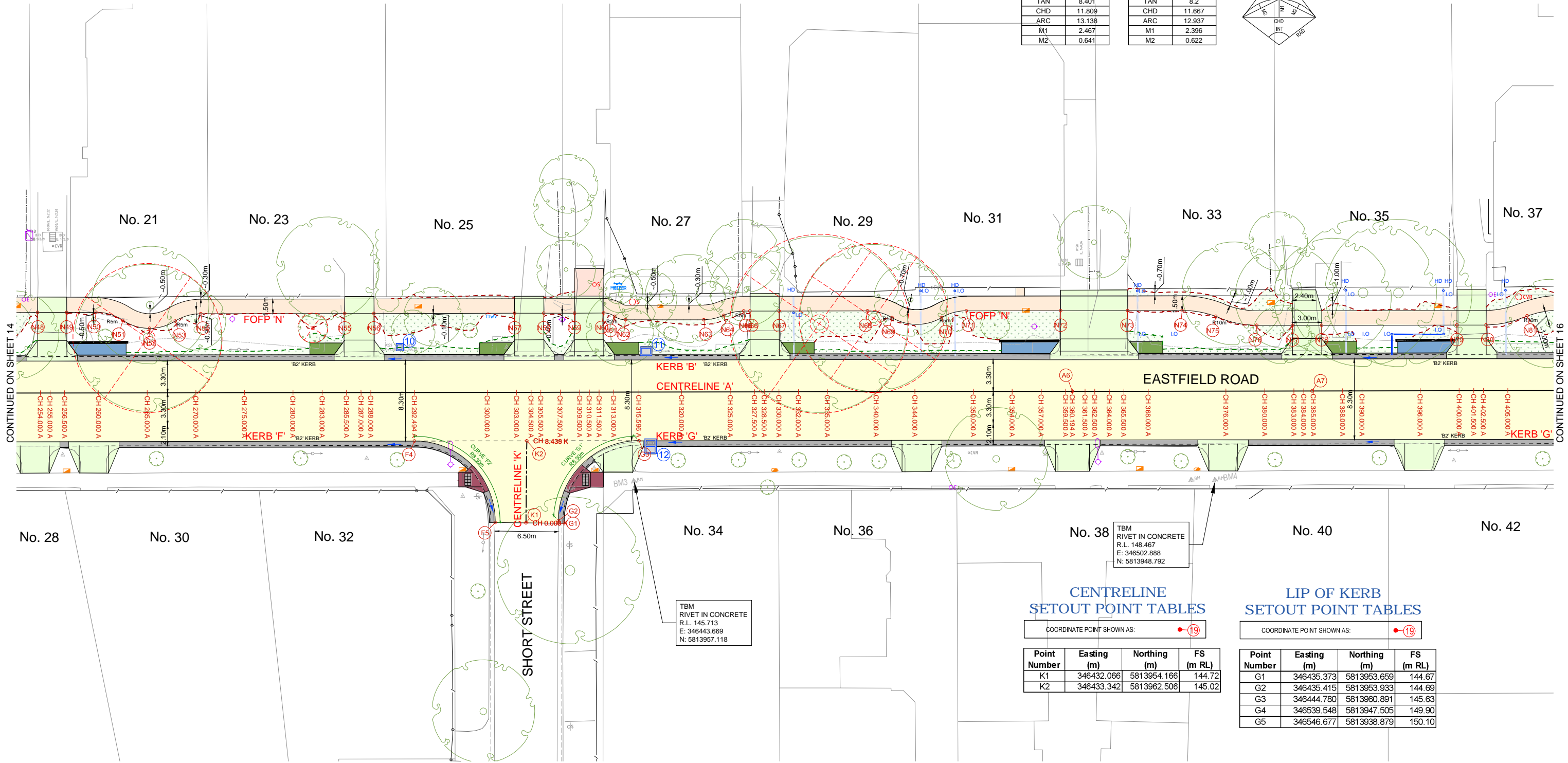
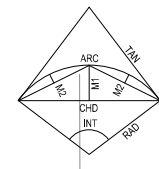
- PAVEMENT LINE MARKING
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**SURVEY CURVE / ARC SETOUT DETAIL TABLES**

LIP OF KERB CURVE 'F2' SET OUT DETAILS		LIP OF KERB CURVE 'G1' SET OUT DETAILS	
RAD.	8.3	RAD.	8.3
TAN	90°41'30"	TAN	89°18'30"
CHD	8.401	CHD	8.2
ARC	11.809	CHD	11.667
M1	13.138	ARC	12.937
M2	2.467	M1	2.396
	0.641	M2	0.622



**CENTRELINE SETOUT POINT TABLES**

COORDINATE POINT SHOWN AS: ● 19

Point Number	Easting (m)	Northing (m)	FS (m RL)
K1	346432.066	5813954.166	144.72
K2	346433.342	5813962.506	145.02

**LIP OF KERB SETOUT POINT TABLES**

COORDINATE POINT SHOWN AS: ● 19

Point Number	Easting (m)	Northing (m)	FS (m RL)
G1	346435.373	5813953.659	144.67
G2	346435.415	5813953.933	144.69
G3	346444.780	5813960.891	145.63
G4	346539.548	5813947.505	149.90
G5	346546.677	5813938.879	150.10

**SURVEY SETOUT PLAN**  
1:200 @ A1  
1:400 @ A3

VER	DESCRIPTION	DATE
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CONSULTANT ENGINEER

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CIVIL ENGINEERING DESIGN  
LUKE WHITFIELD  
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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  
06-2019

AERIAL IMAGE DATE  
19-12-2019

LOCAL GOVERNMENT AREA  
**CITY OF MAROONDAH**

CLIENT

CLIENT PROJECT MANAGER / CONTACT  
TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

**EASTFIELD ROAD, RINGWOOD EAST**

SURVEY SETOUT PLAN

PROJECT No.	PC18048
SHEET No.	15 OF 59
VERSION	08
DWG No.	PC18048-15-08

**LEGEND**

- FULL DEPTH PAVEMENT WITH ASPHALT WEARING COURSE IN ACCORDANCE WITH DETAIL ON SHEET 03
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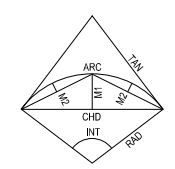
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**SURVEY CURVE / ARC SETOUT DETAIL TABLES**

Curve / Arc	Set Out Details
LIP OF KERB CURVE 'B2'	RAD. 7.8 INT 90°13'23" TAN 7.83 CHD 11.052 ARC 12.283 M1 2.295 M2 0.597
LIP OF KERB CURVE 'C1'	RAD. 10 INT 67°31'9" TAN 6.684 CHD 11.114 ARC 11.784 M1 1.686 M2 0.431
LIP OF KERB CURVE 'C2'	RAD. 30 INT 22°15'29" TAN 5.902 CHD 11.581 ARC 11.654 M1 0.564 M2 0.141
LIP OF KERB CURVE 'C3'	RAD. 37 INT 60°50'17" TAN 21.724 CHD 37.468 ARC 39.287 M1 5.093 M2 1.296
CENTRELINE CURVE 'A2'	RAD. 30 INT 60°50'17" TAN 17.614 CHD 30.379 ARC 31.855 M1 4.13 M2 1.051
LIP OF KERB CURVE 'G2'	RAD. 8.3 INT 84°46'37" TAN 7.576 CHD 11.191 ARC 12.281 M1 2.17 M2 0.561
LIP OF KERB CURVE 'H1'	RAD. 8 INT 87°3'31" TAN 7.599 CHD 11.02 ARC 12.156 M1 2.2 M2 0.57
LIP OF KERB CURVE 'H2'	RAD. 23.5 INT 60°50'17" TAN 13.798 CHD 23.797 ARC 24.953 M1 3.235 M2 0.823
LIP OF KERB CURVE 'Y1'	RAD. 0.7 INT 161°10'8" TAN 4.221 CHD 1.381 ARC 1.969 M1 0.585 M2 0.166
LIP OF KERB CURVE 'Y2'	RAD. 12 INT 17°11'30" TAN 1.816 CHD 3.592 ARC 3.606 M1 0.135 M2 0.034
LIP OF KERB CURVE 'Y3'	RAD. 0.6 INT 158°20'36" TAN 3.137 CHD 1.179 ARC 1.658 M1 0.487 M2 0.138
LIP OF KERB CURVE 'Y4'	RAD. 12 INT 20°3'39" TAN 2.122 CHD 4.18 ARC 4.202 M1 0.183 M2 0.046



**FRONT OF FOOTPATH SETOUT POINT TABLES**

COORDINATE POINT SHOWN AS: ●-19

Point Number	Easting (m)	Northing (m)	FS (m RL)
O1	346565.871	5813954.139	151.15
O2	346568.335	5813953.791	151.24
O3	346573.296	5813953.090	151.59
O4	346574.781	5813952.880	151.61
O5	346576.975	5813953.191	151.76
O6	346582.039	5813953.908	151.85

**CENTRELINE SETOUT POINT TABLES**

COORDINATE POINT SHOWN AS: ●-19

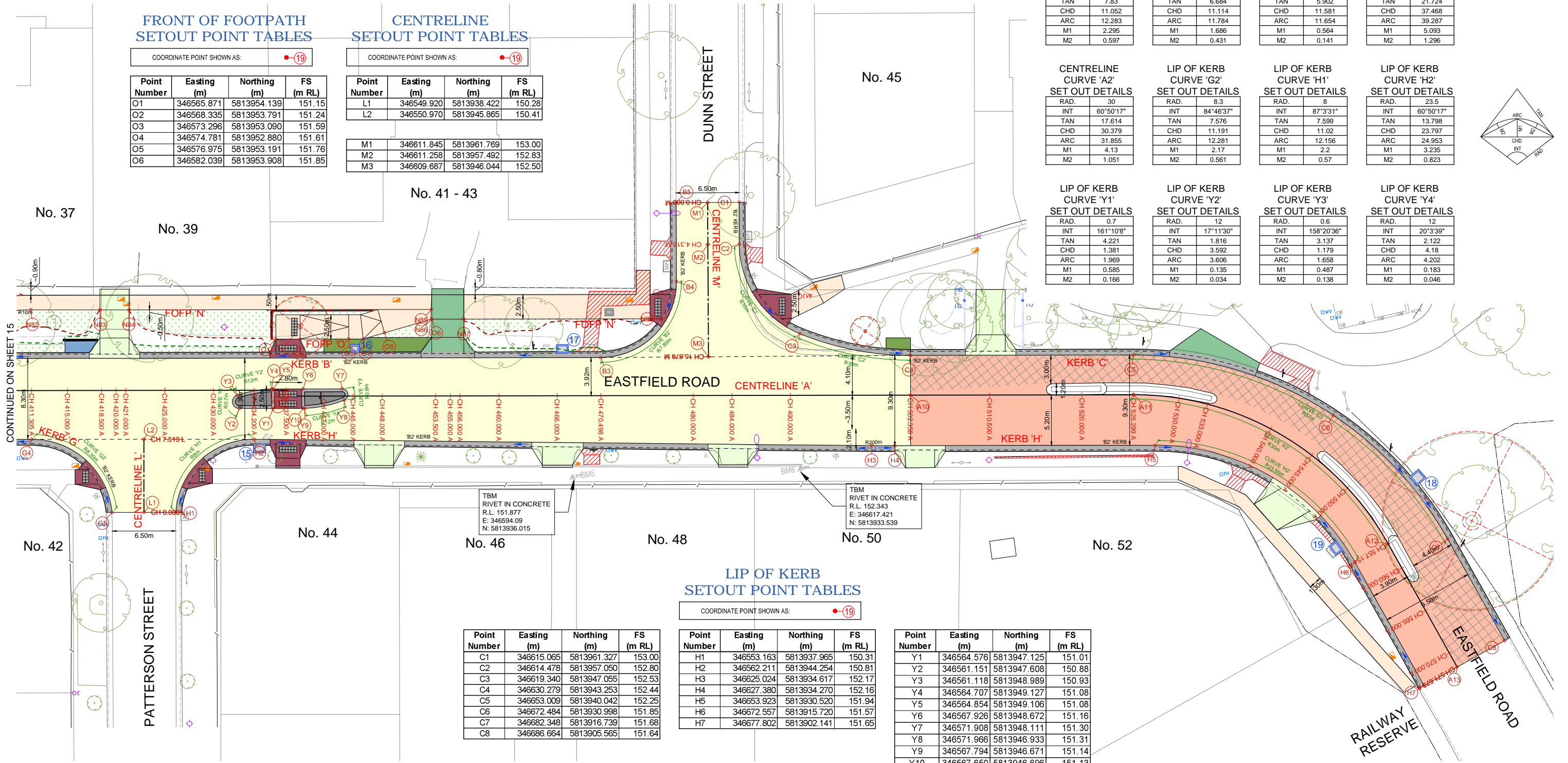
Point Number	Easting (m)	Northing (m)	FS (m RL)
L1	346549.920	5813938.422	150.28
L2	346550.970	5813945.865	150.41
M1	346611.845	5813961.769	153.00
M2	346611.258	5813957.492	152.83
M3	346609.687	5813946.044	152.50

**LIP OF KERB SETOUT POINT TABLES**

COORDINATE POINT SHOWN AS: ●-19

Point Number	Easting (m)	Northing (m)	FS (m RL)
C1	346615.065	5813961.327	153.00
C2	346614.478	5813957.050	152.80
C3	346619.340	5813947.055	152.53
C4	346630.279	5813943.253	152.44
C5	346653.009	5813940.042	152.25
C6	346672.484	5813930.998	151.85
C7	346682.348	5813916.739	151.68
C8	346686.664	5813905.565	151.64
H1	346553.163	5813937.965	150.31
H2	346562.211	5813944.254	150.81
H3	346625.024	5813934.617	152.17
H4	346627.380	5813934.270	152.16
H5	346653.923	5813930.520	151.94
H6	346672.557	5813915.720	151.57
H7	346677.802	5813902.141	151.65
Y1	346564.576	5813947.125	151.01
Y2	346561.151	5813947.608	150.88
Y3	346561.118	5813948.989	150.93
Y4	346564.707	5813949.127	151.08
Y5	346564.854	5813949.106	151.08
Y6	346567.926	5813948.672	151.16
Y7	346571.908	5813948.111	151.30
Y8	346571.966	5813946.933	151.31
Y9	346567.794	5813946.671	151.14
Y10	346567.650	5813946.696	151.13

**SURVEY SETOUT PLAN**



<p>08 FOR CONSTRUCTION</p> <p>07 FOR CONSTRUCTION</p> <p>06 FOR CONSTRUCTION</p> <p>05 DETAILED DESIGN - ISSUED FOR REVIEW</p> <p>04 DETAILED DESIGN - ISSUED FOR REVIEW</p> <p>03 DETAILED DESIGN - ISSUED FOR REVIEW</p> <p>02 FUNCTIONAL DESIGN - ISSUED FOR REVIEW</p> <p>01 FUNCTIONAL DESIGN - ISSUED FOR REVIEW</p> <p>00 FUNCTIONAL DESIGN - ISSUED FOR REVIEW</p>	<p>23-03-2022 CONSULTANT ENGINEER</p> <p>21-02-2022</p> <p>01-12-2021</p> <p>06-09-2021</p> <p>17-02-2021</p> <p>20-11-2020</p> <p>03-06-2020</p> <p>15-05-2020</p> <p>28-02-2020</p>	<p><b>PROCVIL CONSULTING ENGINEERING</b></p> <p>Specialist Civil Engineering Design Consultants</p> <p>Commitment   Communication   Collaboration</p>	<p>PROCVIL CONSULTING PTY LTD</p> <p>ABN 61 759 386 082</p> <p>SUITE 9, 12 MAROONDAH HWY, RINGWOOD VIC 3134</p> <p>PO BOX 164, RINGWOOD VIC 3134</p> <p>P: (03) 8644 6834</p> <p>E: info@procvil.com.au</p> <p>www.procvil.com.au</p>	<p>ORIENTATION</p> <p>OR AS SHOWN</p>	<p>ORIGINAL SCALE &amp; SHEET SIZE AS SHOWN @ A1</p> <p>HEIGHT DATUM AHD</p> <p>COORDINATE DATUM MGA 94 ZONE 55</p> <p>SURVEY DATE 06-2019</p> <p>AERIAL IMAGE DATE 19-12-2019</p>	<p>LOCAL GOVERNMENT AREA CITY OF MAROONDAH</p> <p>CLIENT</p> <p>CLIENT PROJECT MANAGER / CONTACT TOM DOBSON   MAROONDAH CITY COUNCIL</p>	<p><b>FOR CONSTRUCTION</b></p> <p><b>ROAD &amp; DRAINAGE RECONSTRUCTION WORKS</b></p> <p>EASTFIELD ROAD, RINGWOOD EAST</p> <p>SURVEY SETOUT PLAN</p>	<p>PROJECT No. PC18048</p> <p>SHEET No. 16 OF 59</p> <p>VERSION 08</p> <p>DWG No. PC18048-16-08</p>
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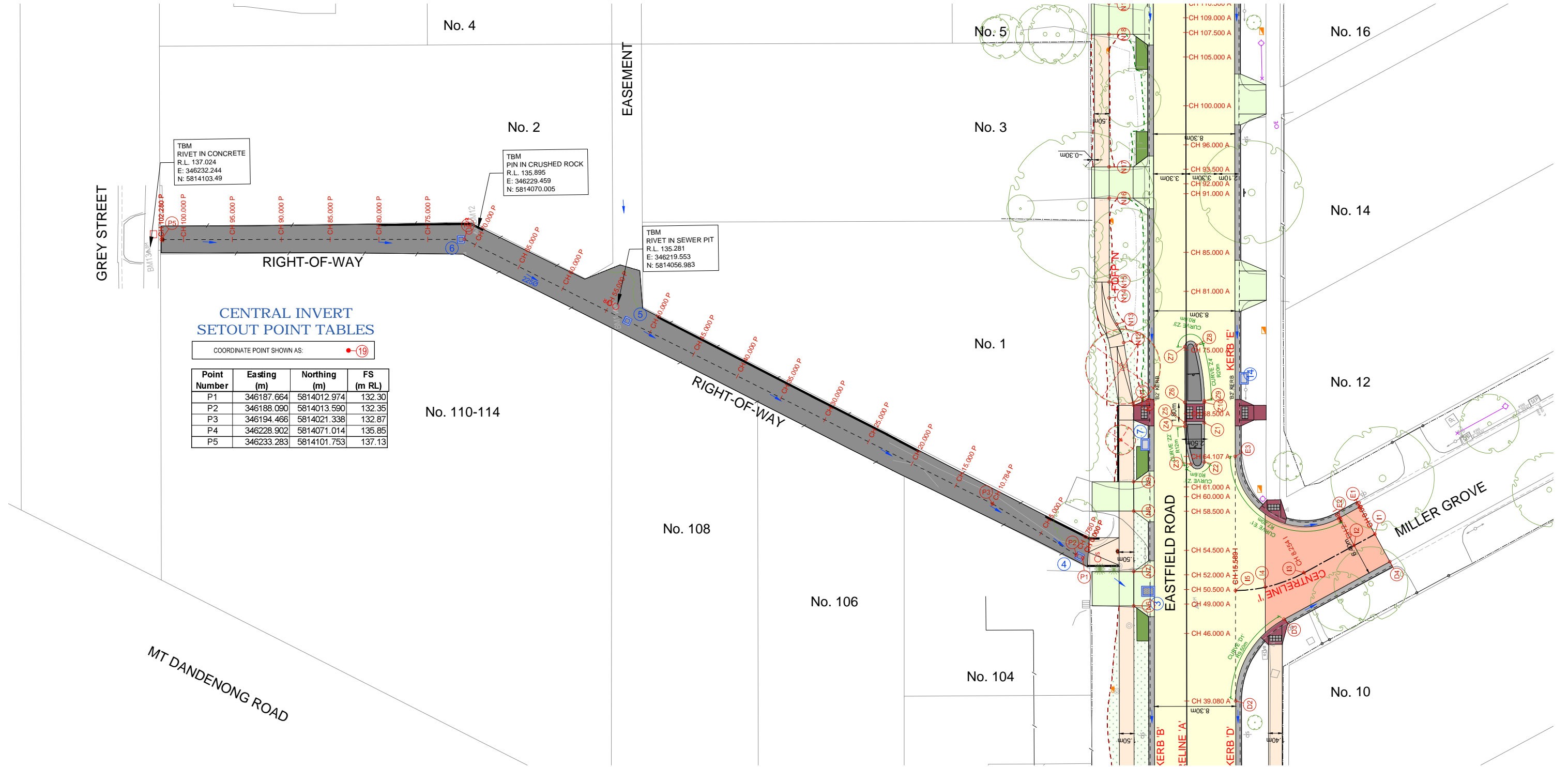


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**CENTRAL INVERT SETOUT POINT TABLES**

COORDINATE POINT SHOWN AS: ● 19

Point Number	Easting (m)	Northing (m)	FS (m RL)
P1	346187.664	5814012.974	132.30
P2	346188.090	5814013.590	132.35
P3	346194.466	5814021.338	132.87
P4	346228.902	5814071.014	135.85
P5	346233.283	5814101.753	137.13

**SURVEY SETOUT PLAN**



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CIVIL ENGINEERING DESIGN

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OR AS SHOWN

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SURVEY SETOUT PLAN

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PC18048

SHEET No.  
17 OF 59

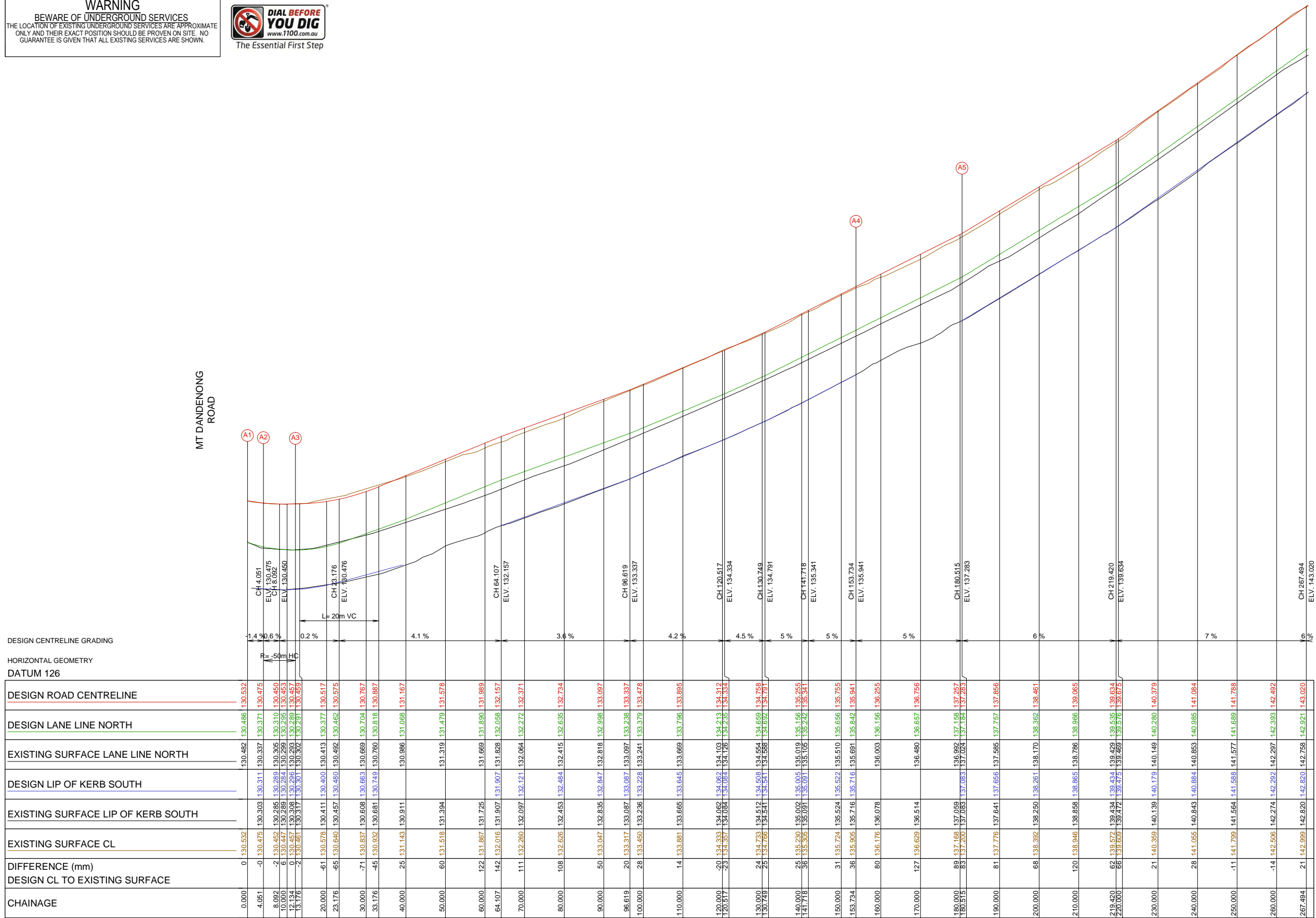
VERSION  
08

DWG No.  
PC18048-17-08

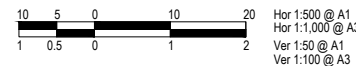
**WARNING**  
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MT DANDENONG  
ROAD



LONGITUDINAL SECTION - CENTRELINE 'A'



08	FOR CONSTRUCTION	23-03-2022
07	FOR CONSTRUCTION	21-02-2022
06	FOR CONSTRUCTION	01-12-2021
05	DETAILED DESIGN - ISSUED FOR REVIEW	06-09-2021
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00	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-02-2020
VER	DESCRIPTION	DATE

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www.procvil.com.au

CIVIL ENGINEERING DESIGN

LUKE WHITFIELD  
REGISTERED AND CHARTERED PROFESSIONAL ENGINEER REVIEW

CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE  
AS SHOWN @ A1

HEIGHT DATUM  
AHD

COORDINATE DATUM  
MGA 94 ZONE 55

SURVEY DATE  
06-2019

AERIAL IMAGE DATE  
19-12-2019

LOCAL GOVERNMENT AREA  
**CITY OF MAROONDAH**

CLIENT

CLIENT PROJECT MANAGER / CONTACT  
TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**

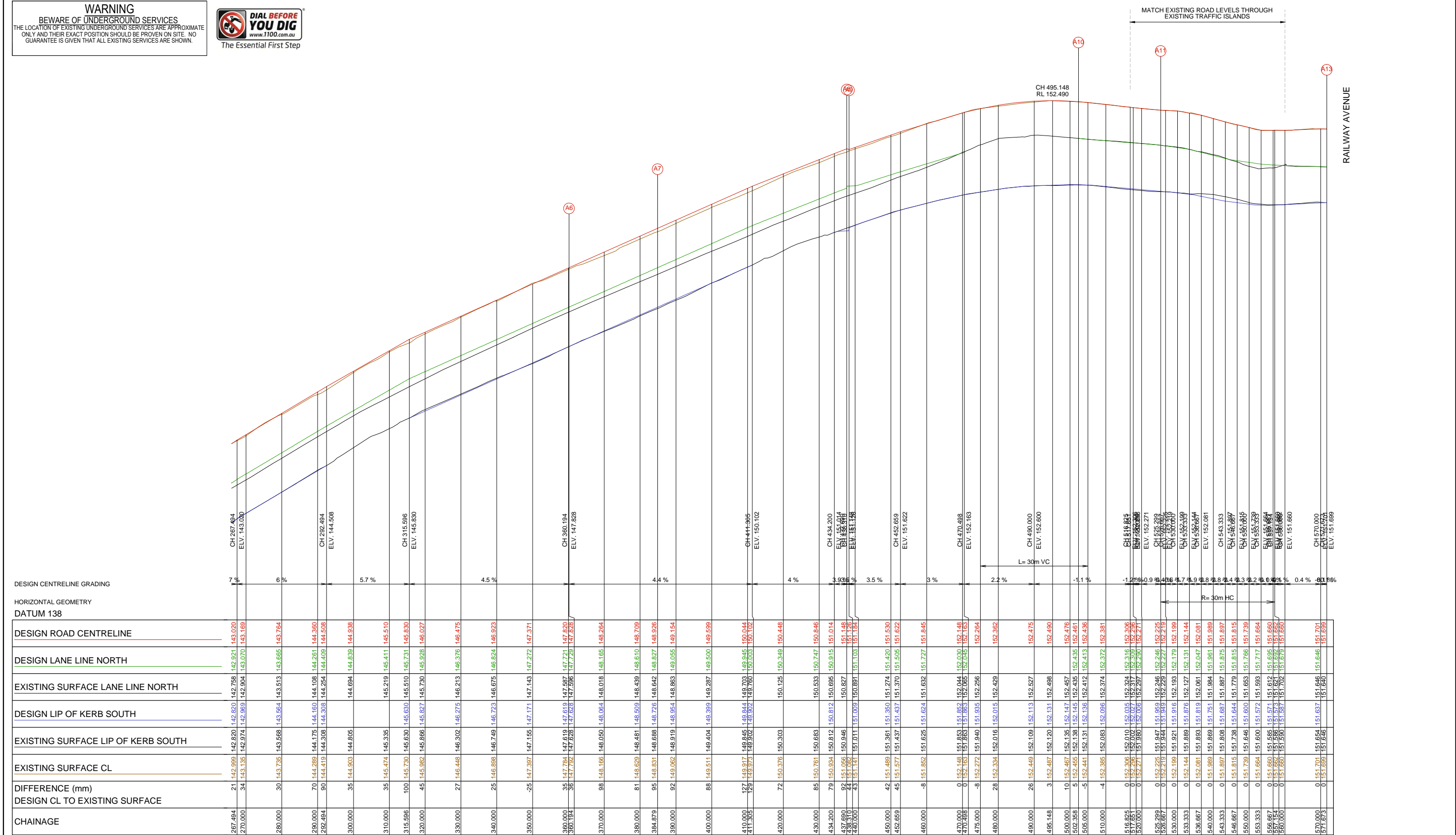
**ROAD & DRAINAGE RECONSTRUCTION WORKS**

EASTFIELD ROAD, RINGWOOD EAST

LONGITUDINAL SECTION - CENTRELINE 'A'

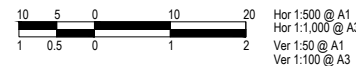
PROJECT No.	PC18048
SHEET No.	18 OF 59
VERSION	08
DWG No.	PC18048-18-08

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CHAINAGE	DESIGN ROAD CENTRELINE	DESIGN LANE LINE NORTH	EXISTING SURFACE LANE LINE NORTH	DESIGN LIP OF KERB SOUTH	EXISTING SURFACE LIP OF KERB SOUTH	EXISTING SURFACE CL	DIFFERENCE (mm) DESIGN CL TO EXISTING SURFACE
267.484	143.020	142.921	142.758	142.820	142.989	142.989	21
270.000	143.169	143.070	142.904	142.974	143.135	143.135	34
280.000	143.764	143.665	143.513	143.564	143.735	143.735	30
290.000	144.360	144.261	144.108	144.160	144.289	144.289	70
292.484	144.508	144.409	144.254	144.308	144.419	144.419	90
300.000	144.938	144.839	144.694	144.805	144.903	144.903	35
310.000	145.510	145.411	145.219	145.335	145.474	145.474	35
315.596	145.830	145.731	145.510	145.630	145.730	145.730	100
320.000	146.027	145.928	145.730	145.827	145.962	145.962	45
330.000	146.475	146.376	146.213	146.275	146.448	146.448	27
340.000	146.923	146.824	146.675	146.723	146.898	146.898	25
350.000	147.371	147.272	147.143	147.171	147.397	147.397	-25
360.000	147.820	147.721	147.587	147.619	147.784	147.784	35
360.184	147.928	147.829	147.695	147.728	147.902	147.902	36
370.000	148.284	148.185	148.050	148.084	148.168	148.168	98
380.000	148.709	148.610	148.439	148.509	148.629	148.629	81
394.879	148.926	148.827	148.642	148.726	148.831	148.831	95
390.000	149.154	149.055	148.863	148.954	149.062	149.062	92
400.000	149.599	149.500	149.287	149.399	149.511	149.511	88
410.000	150.044	149.945	149.703	149.844	149.917	149.917	127
411.305	150.102	150.003	149.760	149.902	149.973	149.973	129
420.000	150.448	150.349	150.125	150.303	150.376	150.376	72
430.000	150.846	150.747	150.533	150.747	150.761	150.761	85
434.200	151.014	150.915	150.695	150.915	150.934	150.934	79
436.870	151.148	151.049	150.827	151.049	151.063	151.063	92
440.000	151.184	151.085	150.891	151.085	151.141	151.141	43
450.000	151.530	151.420	151.274	151.420	151.489	151.489	42
452.659	151.622	151.505	151.370	151.437	151.577	151.577	45
460.000	151.846	151.727	151.632	151.624	151.852	151.852	-8
470.000	152.148	152.030	152.044	152.044	152.148	152.148	0
470.488	152.163	152.045	152.065	152.065	152.163	152.163	0
475.000	152.264	152.145	152.256	152.256	152.272	152.272	-8
480.000	152.362	152.243	152.429	152.412	152.334	152.334	28
490.000	152.475	152.356	152.597	152.580	152.449	152.449	26
495.148	152.490	152.371	152.498	152.481	152.487	152.487	3
500.000	152.476	152.357	152.457	152.447	152.467	152.467	10
502.368	152.461	152.342	152.435	152.425	152.455	152.455	5
505.000	152.436	152.317	152.412	152.402	152.441	152.441	-5
510.000	152.381	152.262	152.374	152.364	152.385	152.385	-4
516.825	152.296	152.177	152.284	152.274	152.296	152.296	0
516.825	152.296	152.177	152.284	152.274	152.296	152.296	0
520.000	152.271	152.152	152.259	152.249	152.271	152.271	0
525.289	152.225	152.106	152.246	152.236	152.225	152.225	0
530.000	152.199	152.080	152.219	152.209	152.219	152.219	0
532.333	152.144	152.025	152.193	152.183	152.144	152.144	0
536.667	152.081	151.962	152.144	152.134	152.081	152.081	0
540.000	151.989	151.870	152.081	152.071	151.989	151.989	0
543.333	151.897	151.778	151.989	151.979	151.897	151.897	0
546.667	151.815	151.696	151.908	151.898	151.815	151.815	0
550.000	151.739	151.620	151.827	151.817	151.739	151.739	0
553.333	151.664	151.545	151.746	151.736	151.664	151.664	0
556.667	151.600	151.486	151.685	151.675	151.600	151.600	0
557.154	151.600	151.486	151.685	151.675	151.600	151.600	0
560.000	151.600	151.486	151.685	151.675	151.600	151.600	0
570.000	151.701	151.646	151.646	151.637	151.701	151.701	0
571.673	151.699	151.646	151.646	151.637	151.699	151.699	0

LONGITUDINAL SECTION - CENTRELINE 'A'



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VER	DESCRIPTION	DATE

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CHRIS PROCTOR

ORIENTATION

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LOCAL GOVERNMENT AREA  
CITY OF MAROONDAH

CLIENT  
Maroondah City Council

CLIENT PROJECT MANAGER / CONTACT  
TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

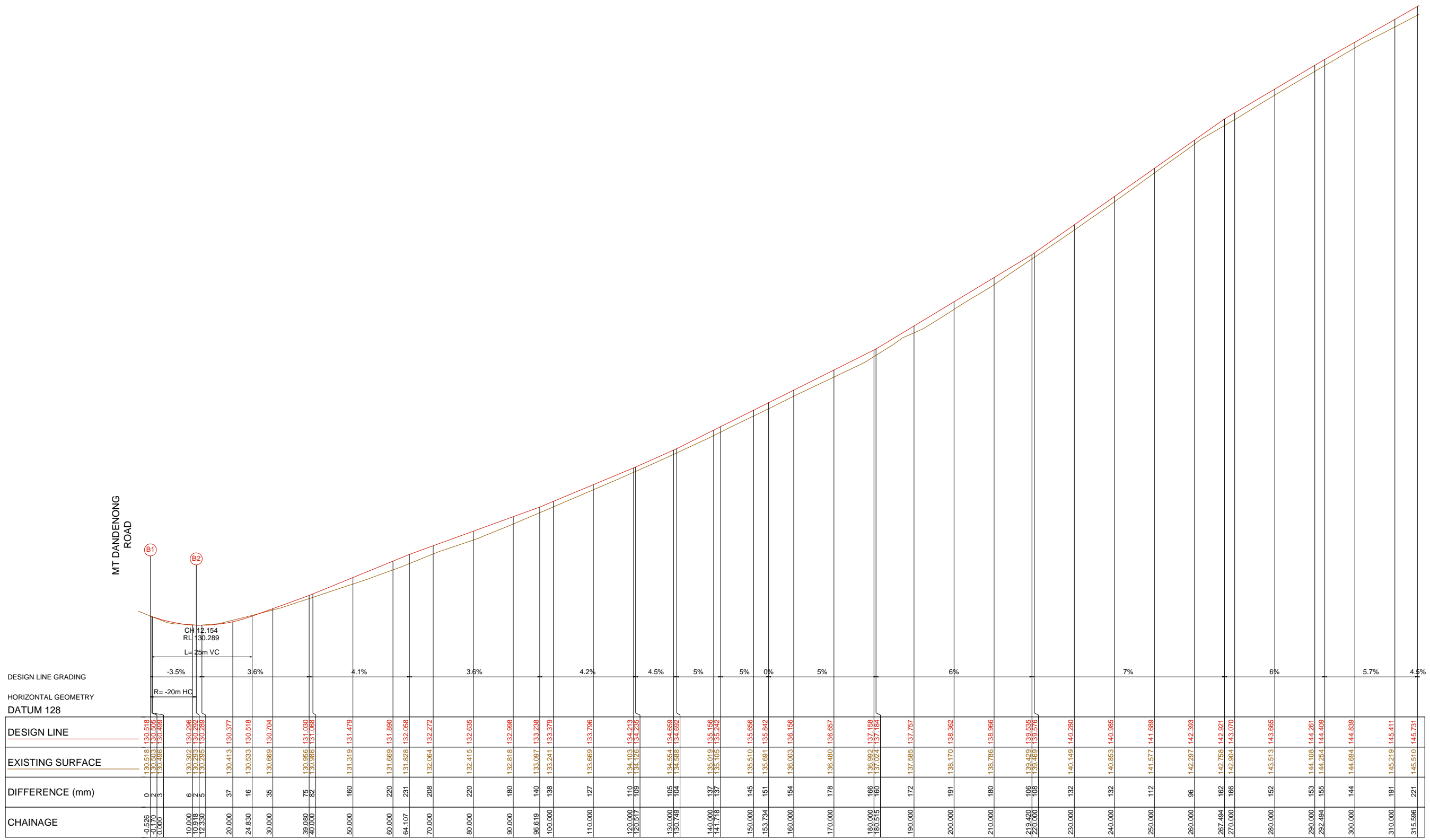
EASTFIELD ROAD, RINGWOOD EAST

LONGITUDINAL SECTION - CENTRELINE 'A'

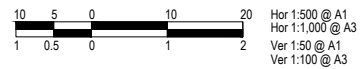
PROJECT No.	PC18048
SHEET No.	19 OF 59
VERSION	08
DWG No.	PC18048-19-08



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LONGITUDINAL SECTION - LIP OF KERB 'B'



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07	FOR CONSTRUCTION	21-02-2022
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05	DETAILED DESIGN - ISSUED FOR REVIEW	06-09-2021
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VER	DESCRIPTION	DATE

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 MGA 94 ZONE 55

SURVEY DATE  
 06-2019

AERIAL IMAGE DATE  
 19-12-2019

LOCAL GOVERNMENT AREA  
**CITY OF MAROONDAH**

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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

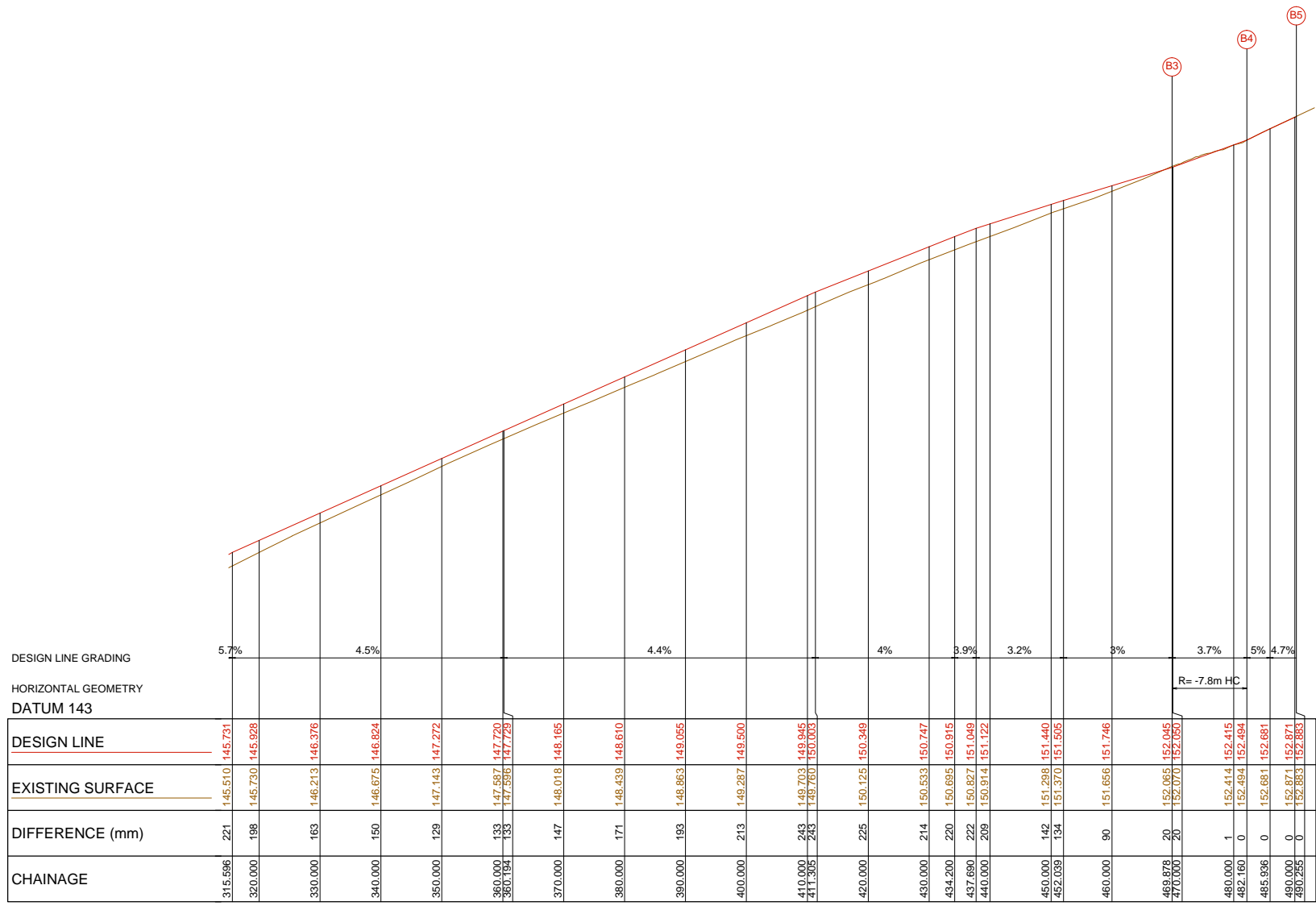
EASTFIELD ROAD, RINGWOOD EAST

LONGITUDINAL SECTION - LIP OF KERB 'B'

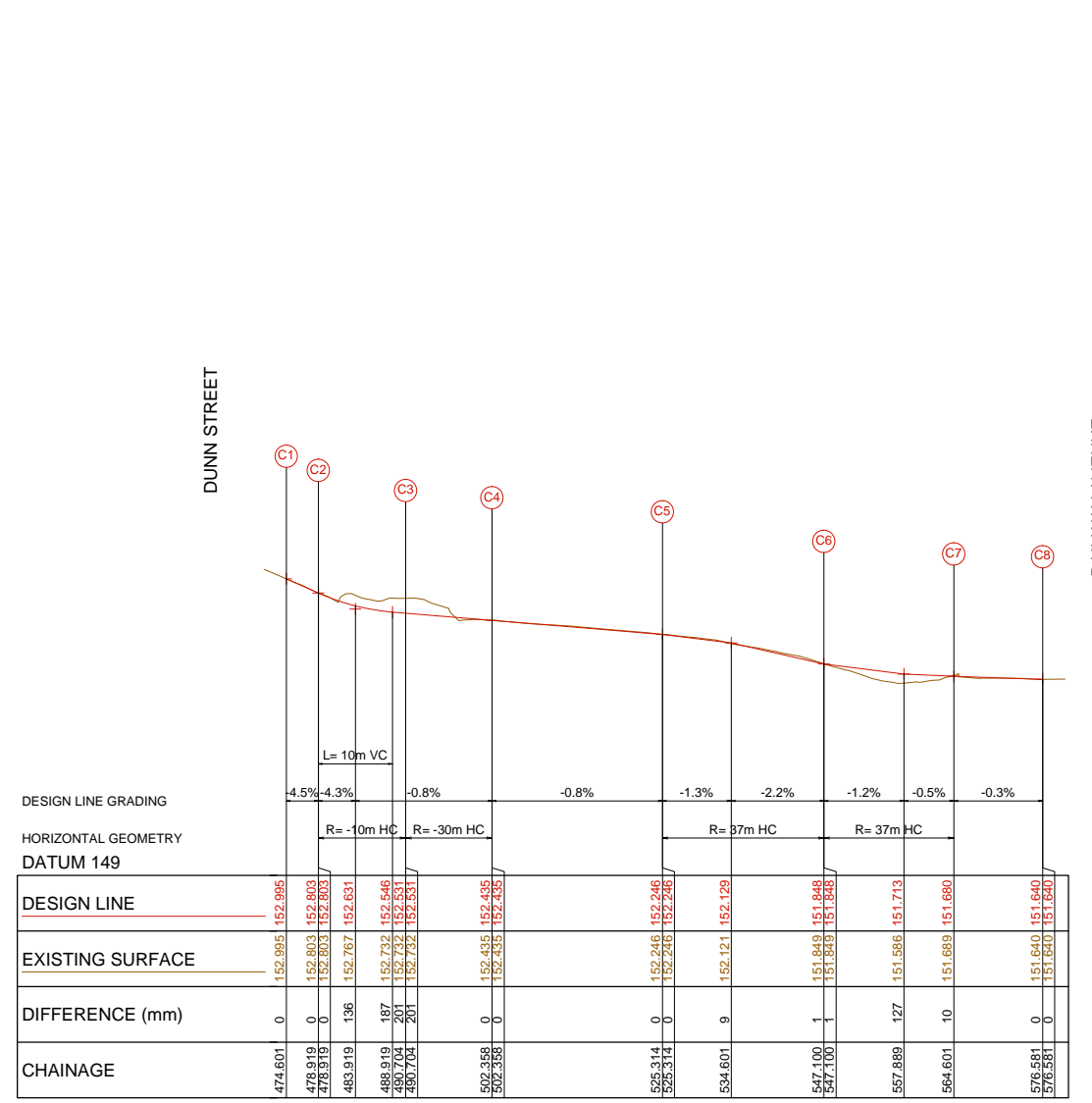
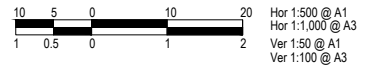
PROJECT No.	PC18048
SHEET No.	20 OF 59
VERSION	08
DWG No.	PC18048-20-08



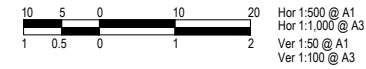
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LONGITUDINAL SECTION - LIP OF KERB 'B'



LONGITUDINAL SECTION - LIP OF KERB 'C'



VER	DESCRIPTION	DATE
08	FOR CONSTRUCTION	23-03-2022
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06	FOR CONSTRUCTION	01-12-2021
05	DETAILED DESIGN - ISSUED FOR REVIEW	06-09-2021
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00	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-02-2020

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LOCAL GOVERNMENT AREA  
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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

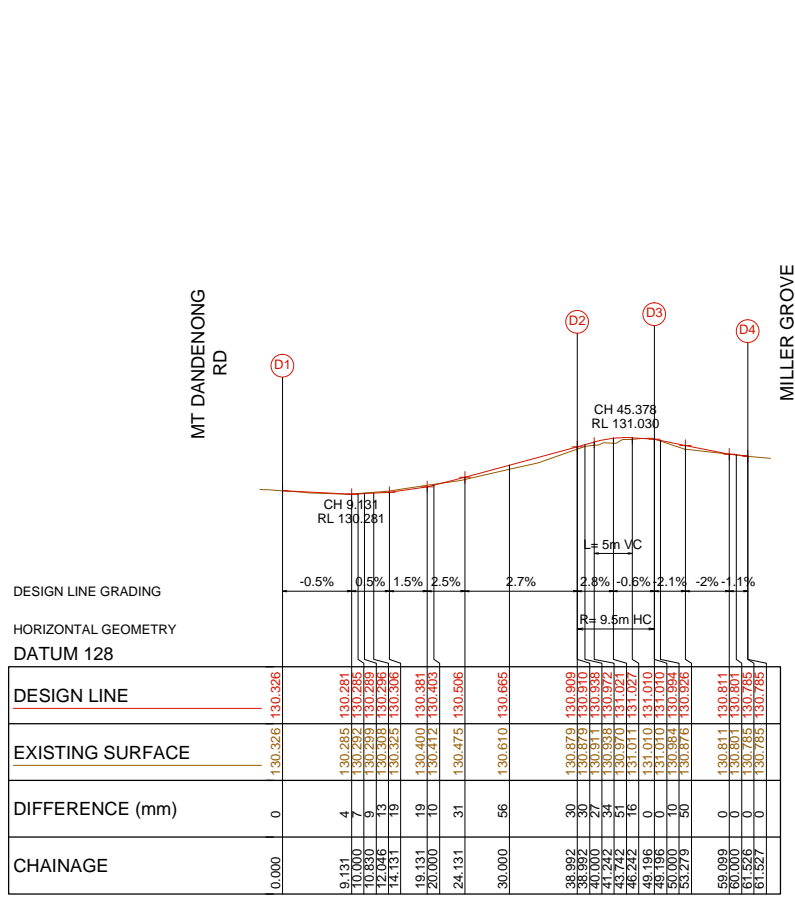
EASTFIELD ROAD, RINGWOOD EAST

LONGITUDINAL SECTIONS - LIPS OF KERB 'B' & 'C'

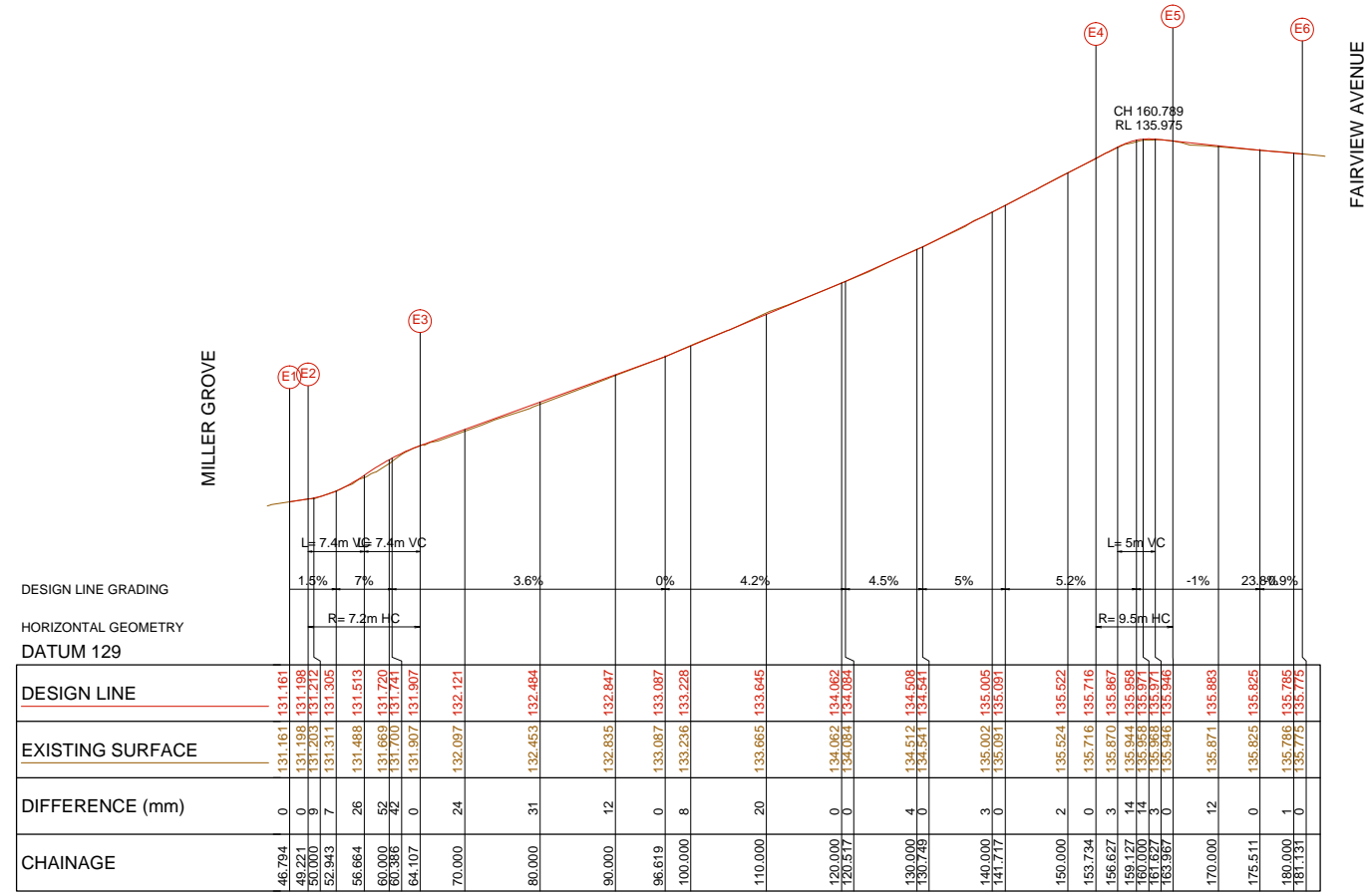
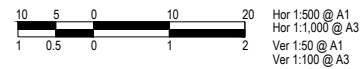
PROJECT No.	PC18048
SHEET No.	21 OF 59
VERSION	08
DWG No.	PC18048-21-08



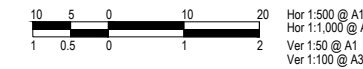
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LONGITUDINAL SECTION - LIP OF KERB 'D'



LONGITUDINAL SECTION - LIP OF KERB 'E'



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06	FOR CONSTRUCTION	01-12-2021
05	DETAILED DESIGN - ISSUED FOR REVIEW	06-09-2021
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**CITY OF MAROONDAH**

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**FOR CONSTRUCTION**

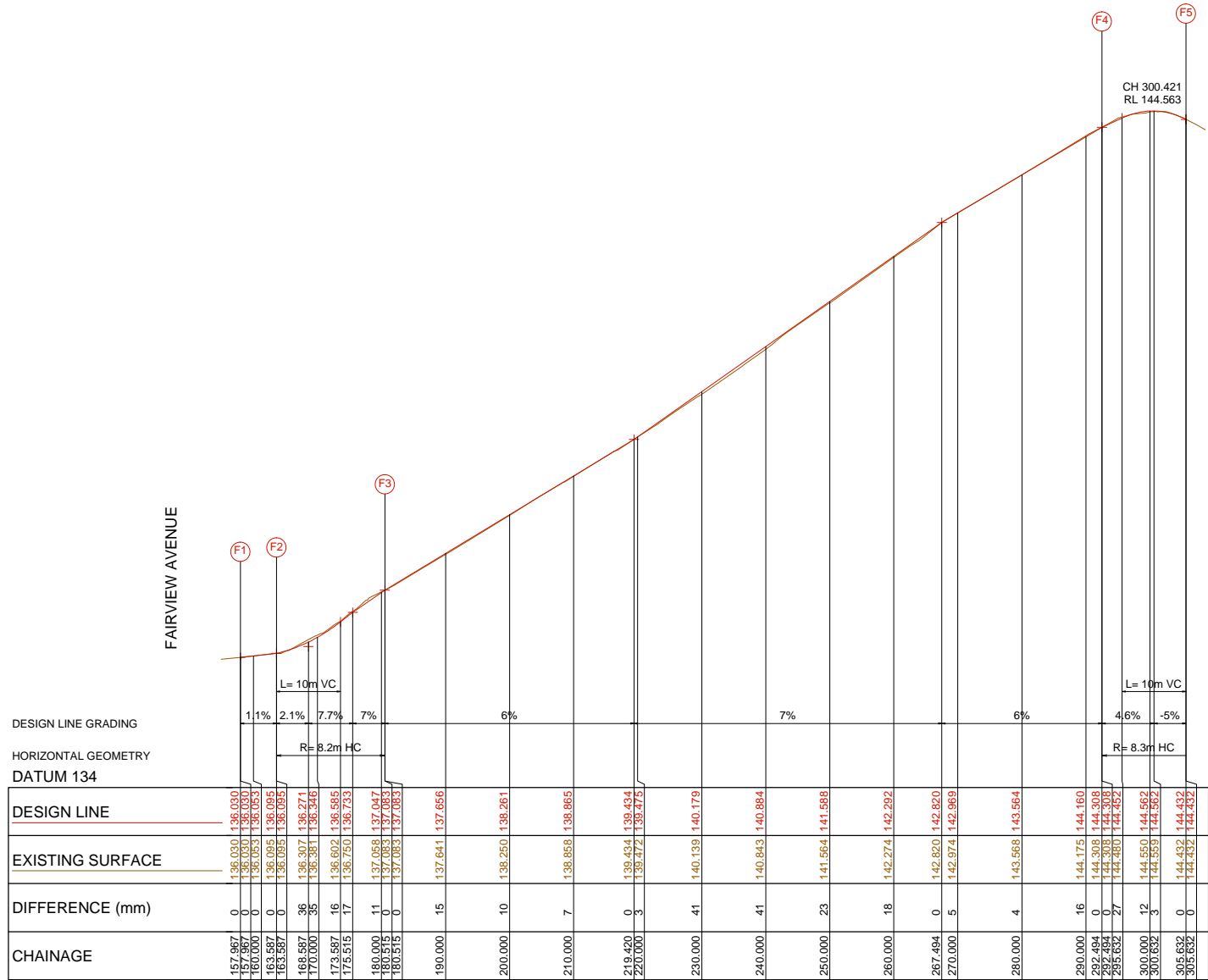
**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
 EASTFIELD ROAD, RINGWOOD EAST

LONGITUDINAL SECTIONS - LIPS OF KERB 'D' & 'E'

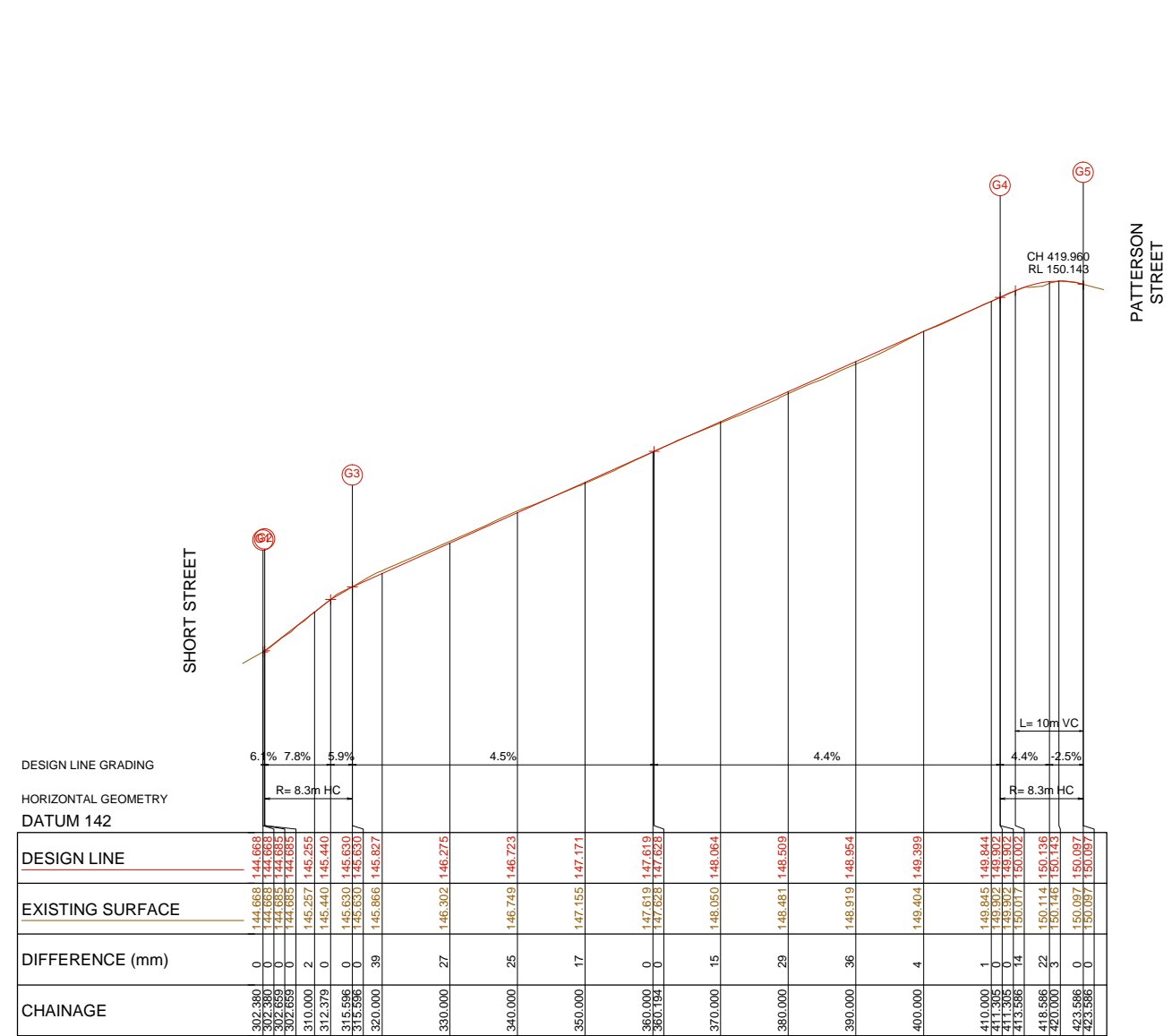
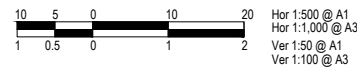
PROJECT No.	PC18048
SHEET No.	22 OF 59
VERSION	08
DWG No.	PC18048-22-08



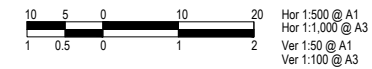
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LONGITUDINAL SECTION - LIP OF KERB 'F'



LONGITUDINAL SECTION - LIP OF KERB 'G'



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VER	DESCRIPTION	DATE

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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
 EASTFIELD ROAD, RINGWOOD EAST

LONGITUDINAL SECTIONS - LIPS OF KERB 'F' & 'G'

PROJECT No.  
**PC18048**

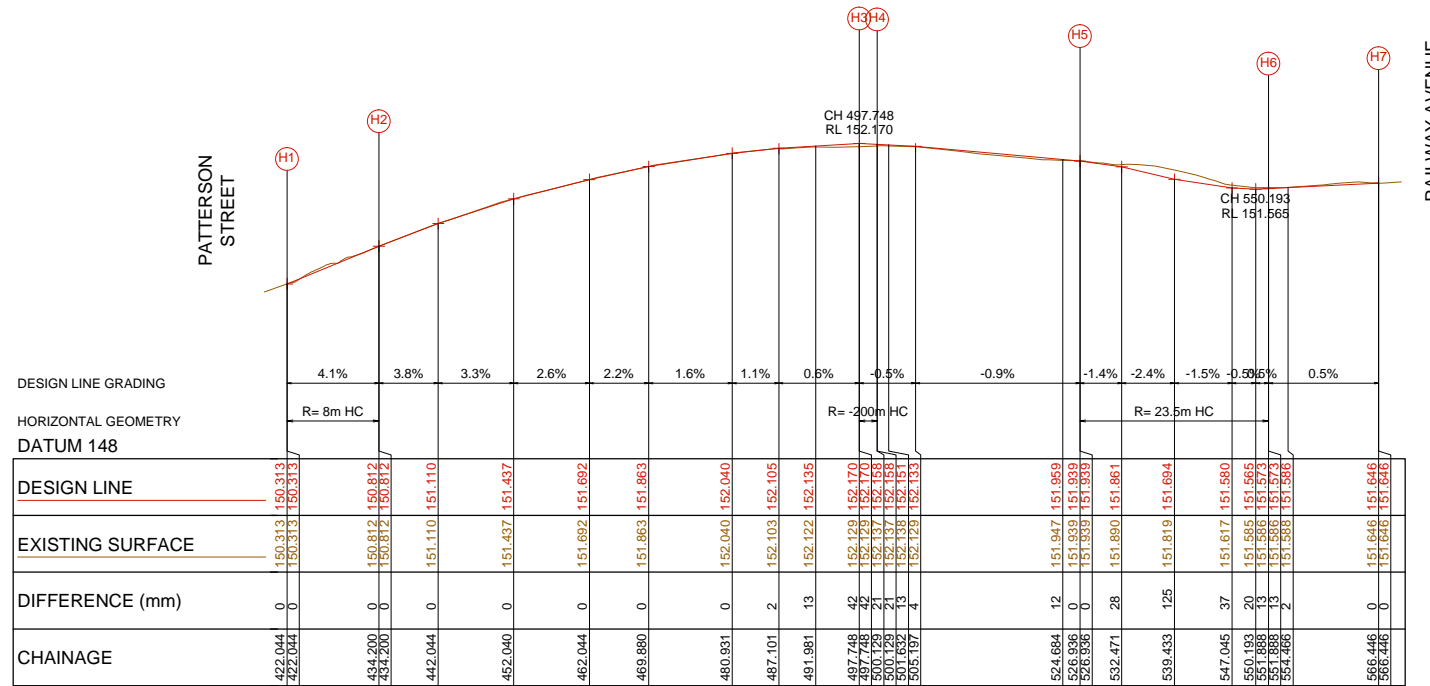
SHEET No.  
**23 OF 59**

VERSION  
**08**

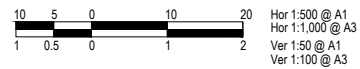
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LONGITUDINAL SECTION - LIP OF KERB 'H'



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02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	03-06-2020
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	15-05-2020
00	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-02-2020
VER	DESCRIPTION	DATE

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 ABN 51 759 386 092  
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 PO BOX 164, RINGWOOD VIC 3134  
 P: (03) 8644 6834  
 E: info@procivil.com.au  
 www.procivil.com.au

CIVIL ENGINEERING DESIGN

LUKE WHITFIELD  
 REGISTERED AND CHARTERED PROFESSIONAL ENGINEER REVIEW

CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE  
 AS SHOWN @ A1

HEIGHT DATUM  
 AHD

COORDINATE DATUM  
 MGA 94 ZONE 55

SURVEY DATE  
 06-2019

AERIAL IMAGE DATE  
 19-12-2019

LOCAL GOVERNMENT AREA  
**CITY OF MAROONDAH**

CLIENT

CLIENT PROJECT MANAGER / CONTACT  
 TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

EASTFIELD ROAD, RINGWOOD EAST

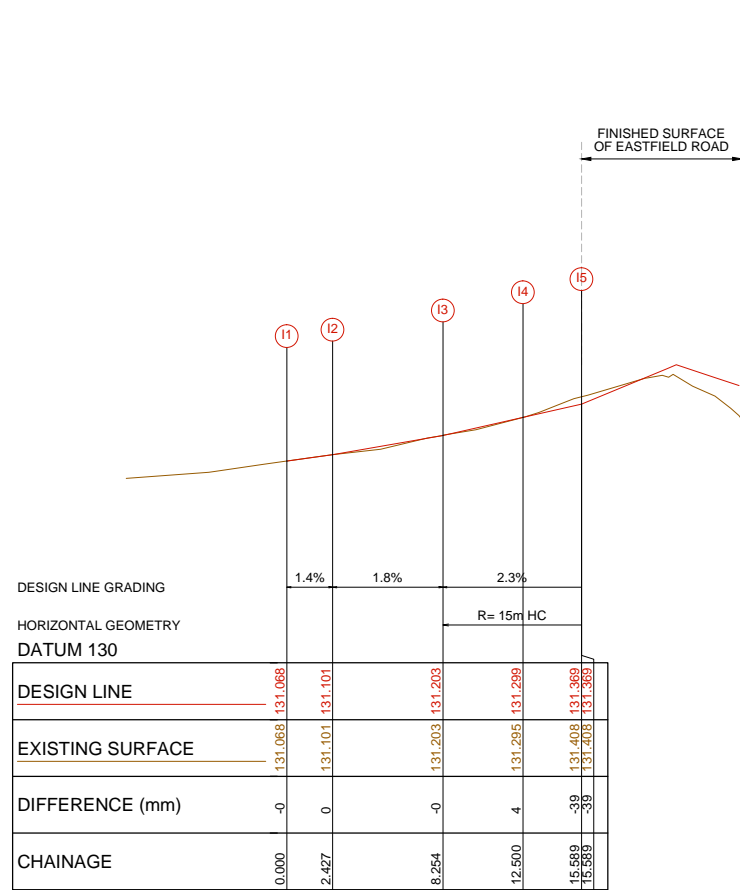
LONGITUDINAL SECTION - LIP OF KERB 'H'

PROJECT No.	PC18048
SHEET No.	24 OF 59
VERSION	08
DWG No.	PC18048-24-08

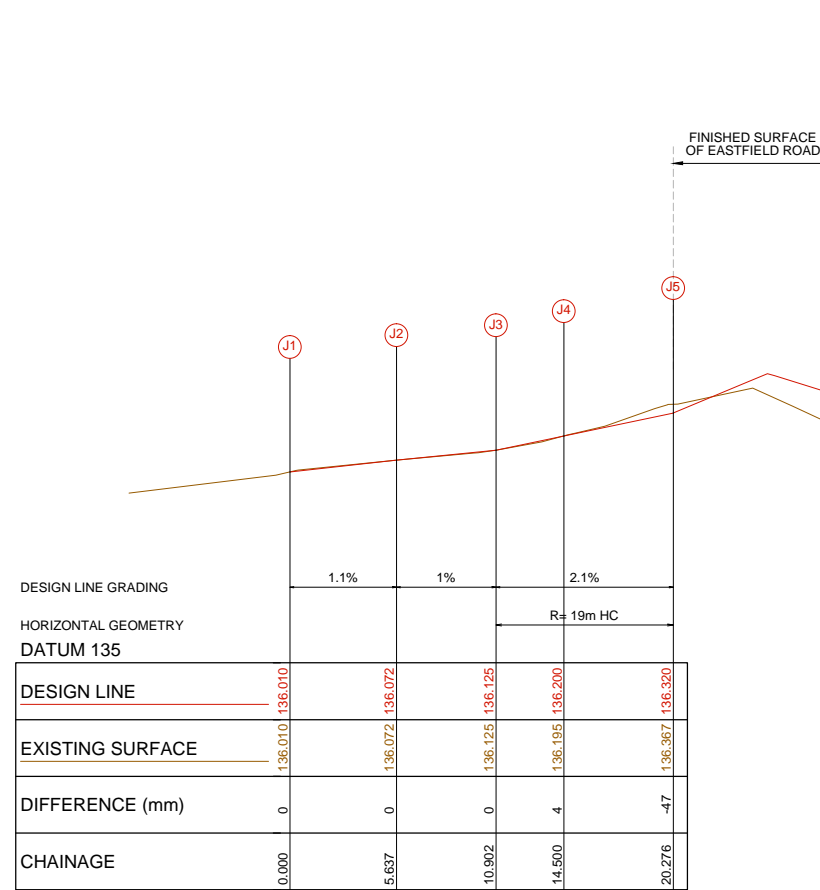
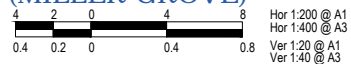




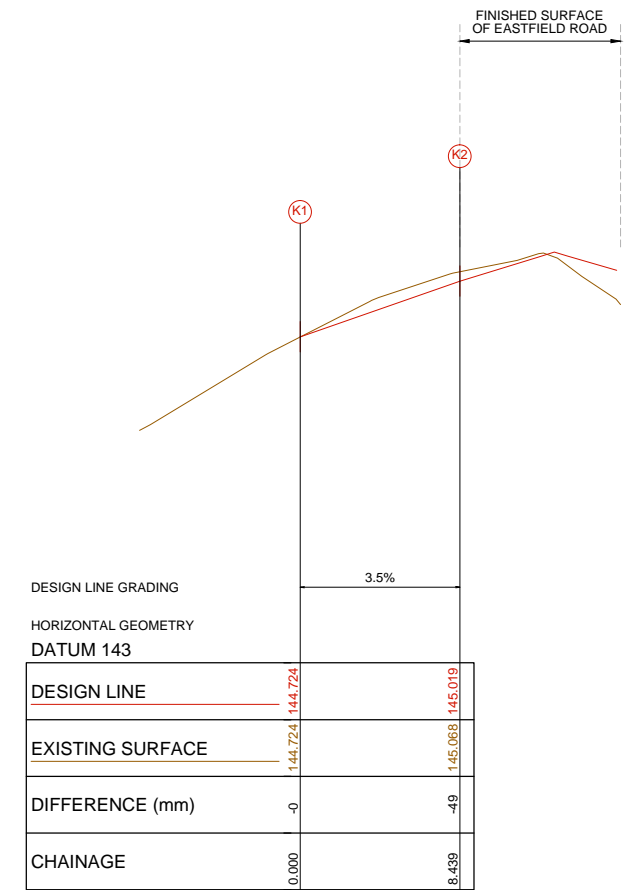
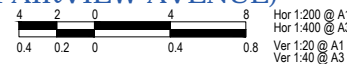
**WARNING**  
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 GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



LONGITUDINAL SECTION - CENTRELINE 'I'  
(MILLER GROVE)



LONGITUDINAL SECTION - CENTRELINE 'J'  
(FAIRVIEW AVENUE)



LONGITUDINAL SECTION - CENTRELINE 'K'  
(SHORT ROAD)



VER	DESCRIPTION	DATE
08	FOR CONSTRUCTION	23-03-2022
07	FOR CONSTRUCTION	21-02-2022
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**ROAD & DRAINAGE RECONSTRUCTION WORKS**

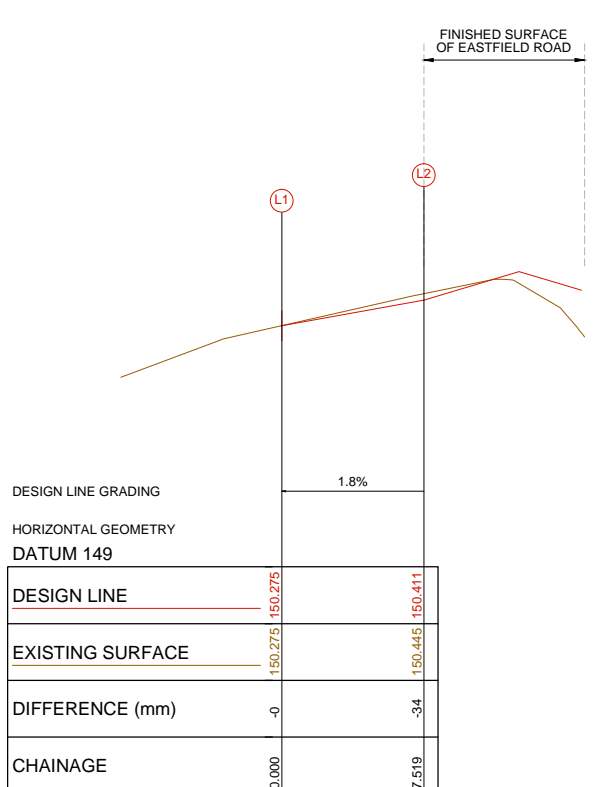
EASTFIELD ROAD, RINGWOOD EAST

LONGITUDINAL SECTIONS - CENTRELINES 'I', 'J' & 'K'  
 (MILLER GROVE, FAIRVIEW AVENUE & SHORT ROAD)

PROJECT No.	PC18048
SHEET No.	25 OF 59
VERSION	08
DWG No.	PC18048-25-08

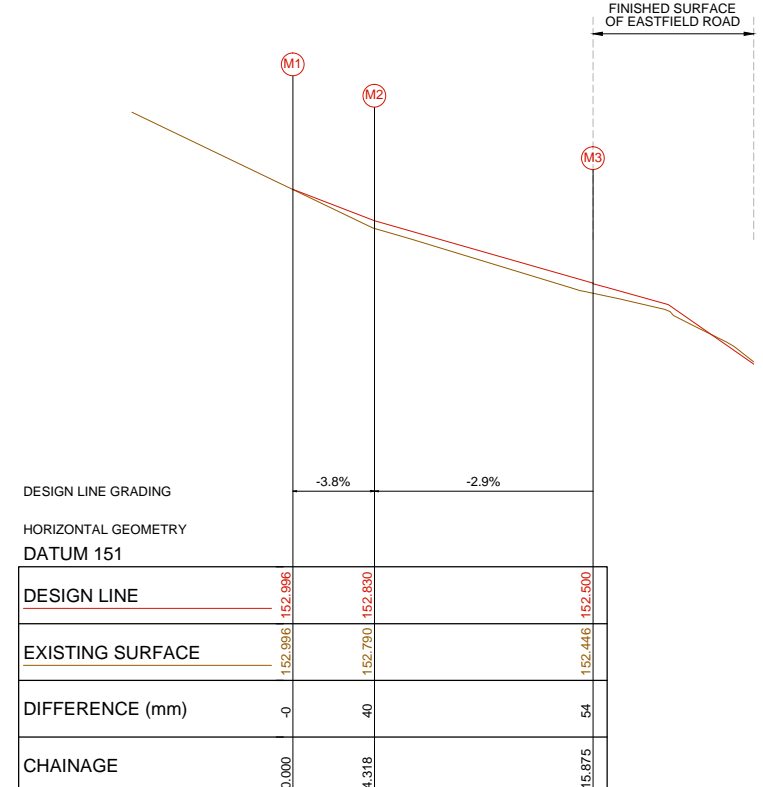


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**LONGITUDINAL SECTION - CENTRELINE 'L'**  
**(PATTERSON ROAD)**

Scale: Hor 1:200 @ A1, Hor 1:400 @ A3, Ver 1:20 @ A1, Ver 1:40 @ A3



**LONGITUDINAL SECTION - CENTRELINE 'M'**  
**(DUNN STREET)**

Scale: Hor 1:200 @ A1, Hor 1:400 @ A3, Ver 1:20 @ A1, Ver 1:40 @ A3

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CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE  
 AS SHOWN @ A1

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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

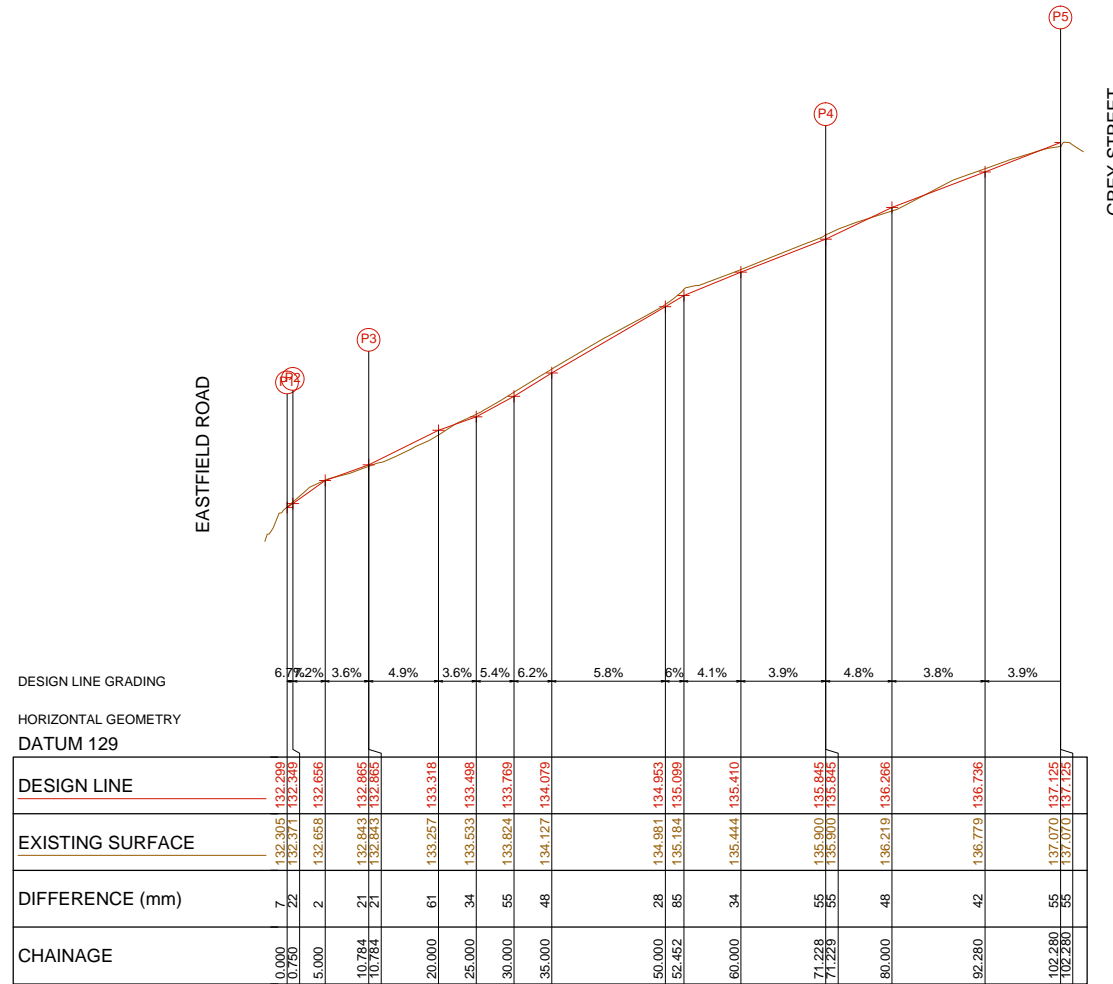
**EASTFIELD ROAD, RINGWOOD EAST**

LONGITUDINAL SECTIONS - CENTRELINES 'L' & 'M'  
 (PATTERSON ROAD & DUNN STREET)

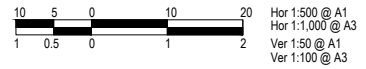
PROJECT No.	PC18048
SHEET No.	26 OF 59
VERSION	08
DWG No.	PC18048-26 -08



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LONGITUDINAL SECTION - RIGHT-OF-WAY INVERT 'P'



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**ROAD & DRAINAGE RECONSTRUCTION WORKS**

EASTFIELD ROAD, RINGWOOD EAST

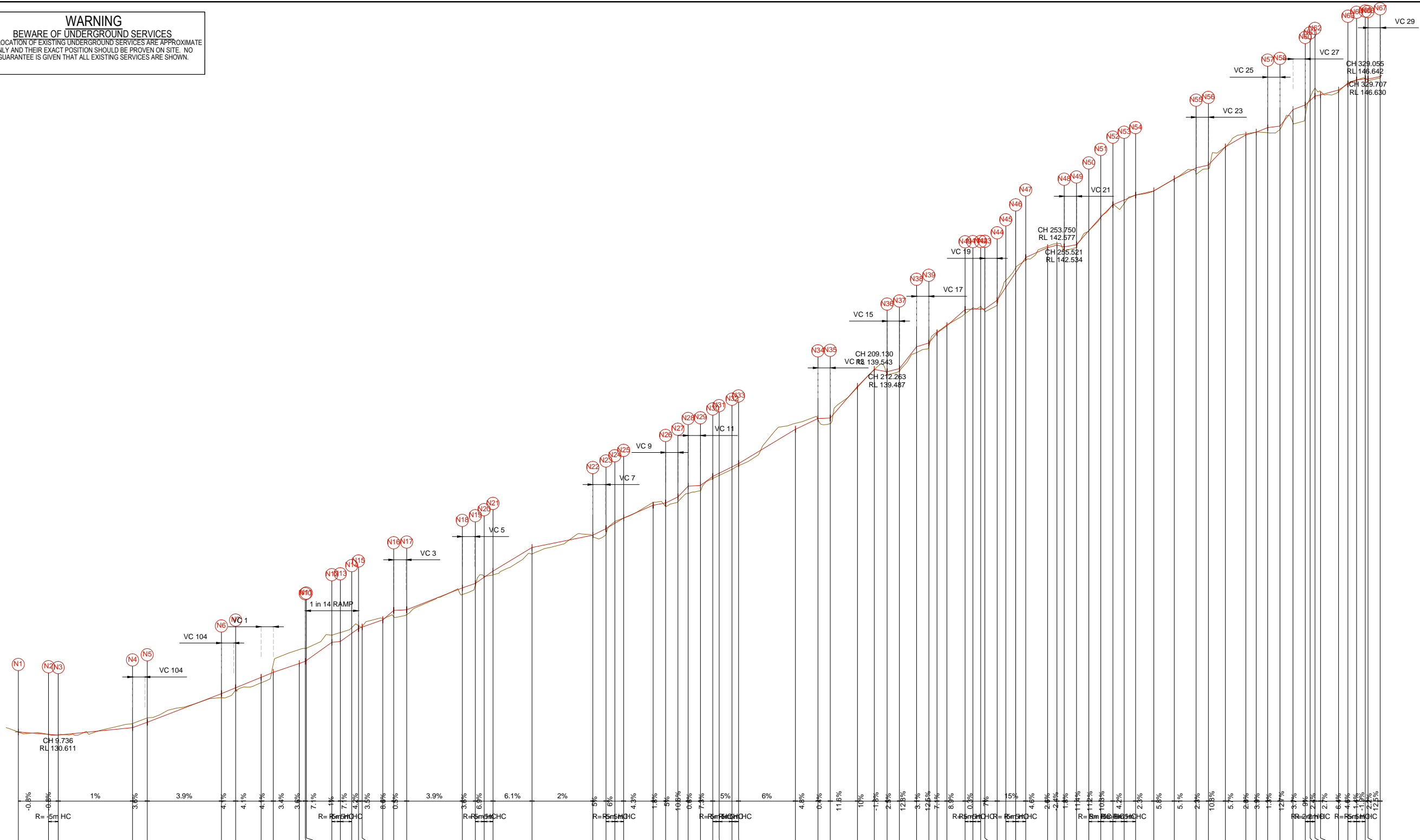
LONGITUDINAL SECTION - RIGHT-OF-WAY INVERT 'P'

PROJECT No.	PC18048
SHEET No.	27 OF 59
VERSION	08
DWG No.	PC18048-27-08



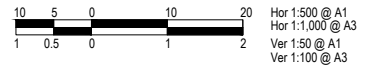
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MT DANDENONG ROAD



CHAINAGE	DESIGN LINE	EXISTING SURFACE	DIFFERENCE (mm)
0.000	130.688	130.688	0
7.386	130.629	130.629	0
9.736	130.611	130.611	0
27.902	130.896	130.795	101
31.502	131.027	130.925	102
48.610	131.525	131.026	101
53.110	131.699	131.770	71
59.306	131.889	132.024	136
62.306	132.357	132.147	210
68.626	132.700	132.360	340
70.385	132.730	132.437	303
70.385	132.730	132.437	303
76.615	133.052	132.878	174
78.662	133.117	132.899	218
81.476	133.205	133.069	136
83.470	133.289	133.170	119
83.986	133.265	133.252	14
89.024	133.456	133.428	28
91.691	133.509	133.659	150
94.891	133.556	133.673	118
108.464	134.046	134.205	159
111.664	134.275	134.319	44
113.620	134.469	134.468	1
115.976	134.525	134.618	93
125.495	135.034	135.194	159
140.361	135.479	135.495	16
143.561	135.515	135.655	141
145.717	135.623	135.785	38
147.873	135.915	135.915	0
155.095	136.292	136.226	66
158.152	136.188	136.280	92
161.152	136.319	136.431	112
163.629	136.514	136.693	180
166.629	136.584	136.710	126
169.632	136.878	136.829	50
171.4510	136.853	137.021	54
174.364	137.102	137.165	63
175.341	137.193	137.249	50
189.948	138.226	138.081	145
195.360	138.322	138.345	23
198.960	138.221	138.357	136
204.986	139.106	139.127	21
209.130	139.536	139.543	7
212.263	139.408	139.487	79
215.263	139.500	139.562	62
219.429	140.094	140.094	0
222.429	140.083	140.188	105
224.418	140.454	140.437	17
226.639	140.645	140.608	36
231.294	140.906	141.006	100
233.209	141.048	141.011	37
235.124	141.077	141.077	0
236.124	141.056	141.019	37
239.124	141.110	141.229	119
241.227	141.712	141.544	168
243.862	142.026	141.910	116
246.097	142.210	142.275	65
251.448	142.552	142.519	33
253.750	142.614	142.577	36
255.521	142.438	142.534	96
258.921	142.544	142.589	45
261.541	142.934	142.934	0
264.464	143.262	143.262	0
267.387	143.564	143.564	0
270.161	143.596	143.681	86
272.936	143.799	143.799	0
277.407	143.902	143.903	1
282.400	144.194	144.194	0
287.741	144.308	144.464	156
290.741	144.441	144.533	92
294.872	144.977	144.979	2
299.896	145.295	145.288	28
302.405	145.337	145.337	0
305.214	145.323	145.446	123
308.214	145.403	145.486	83
311.381	145.570	145.689	319
314.381	145.720	145.800	280
316.783	146.113	146.217	134
318.143	146.327	146.248	78
322.546	146.331	146.387	57
324.834	146.535	146.515	20
326.944	146.612	146.612	0
329.055	146.642	146.642	0
329.707	146.585	146.630	44
332.707	146.663	146.697	34

LONGITUDINAL SECTION - FRONT OF FOOTPATH 'N'



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**ROAD & DRAINAGE RECONSTRUCTION WORKS**

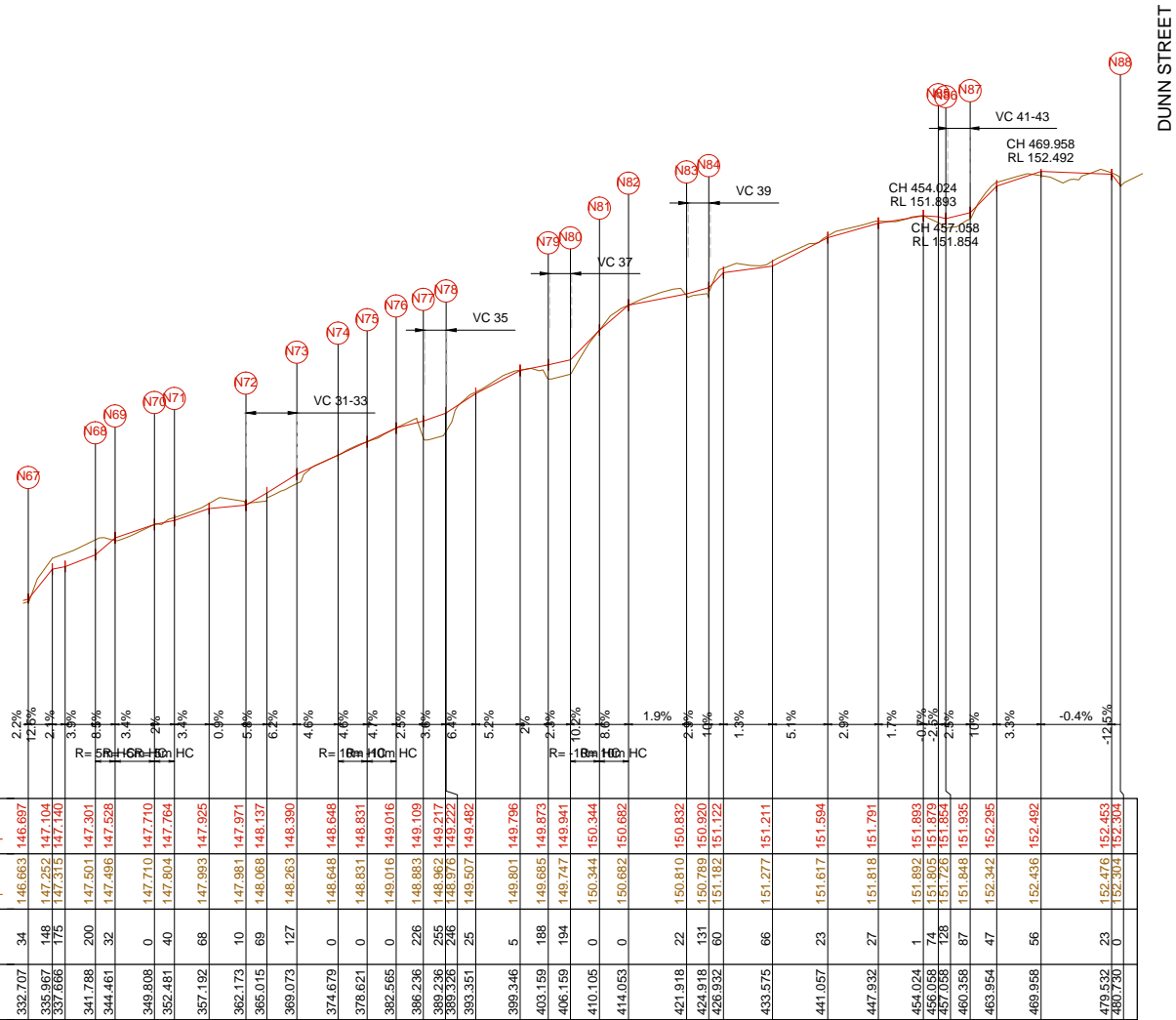
EASTFIELD ROAD, RINGWOOD EAST

LONGITUDINAL SECTION - FRONT OF FOOTPATH 'N'

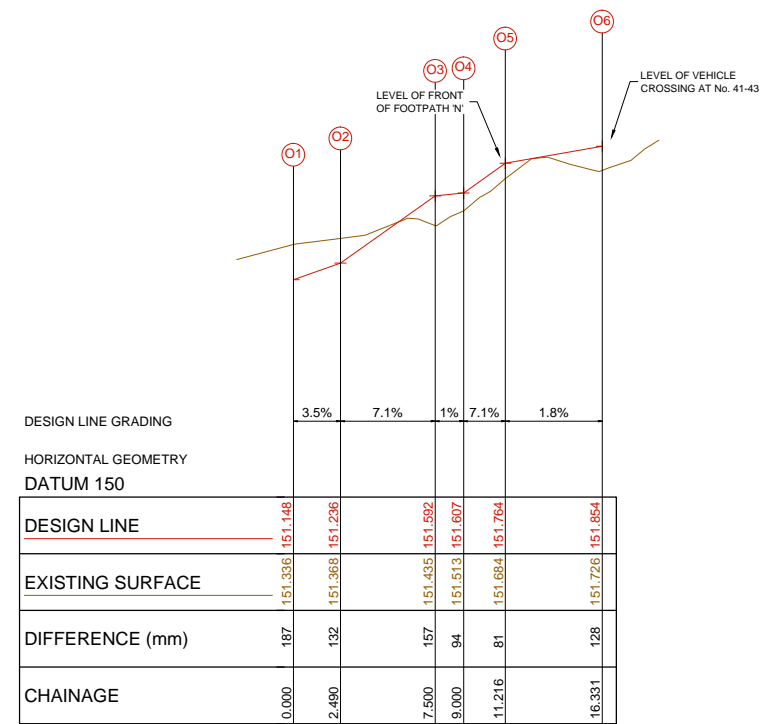
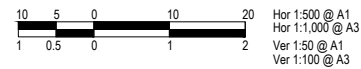
PROJECT No.	PC18048
SHEET No.	28 OF 59
VERSION	08
DWG No.	PC18048-28-08



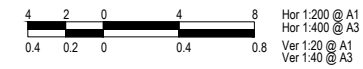
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LONGITUDINAL SECTION - FRONT OF FOOTPATH 'N'



LONGITUDINAL SECTION - FRONT OF FOOTPATH 'O'



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 EASTFIELD ROAD, RINGWOOD EAST

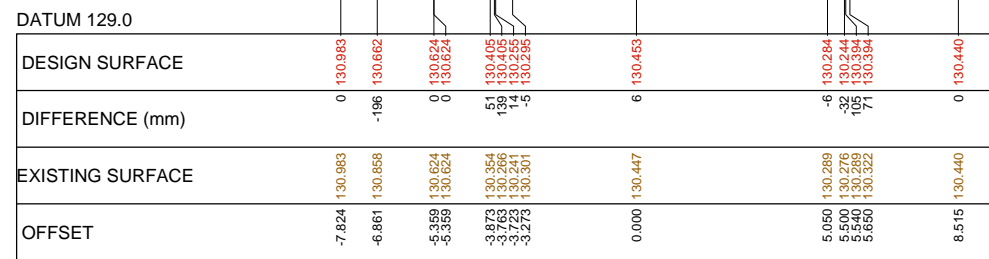
LONGITUDINAL SECTION - FRONT OF FOOTPATH 'N' & 'O'

PROJECT No.	PC18048
SHEET No.	29 OF 59
VERSION	08
DWG No.	PC18048-29-08

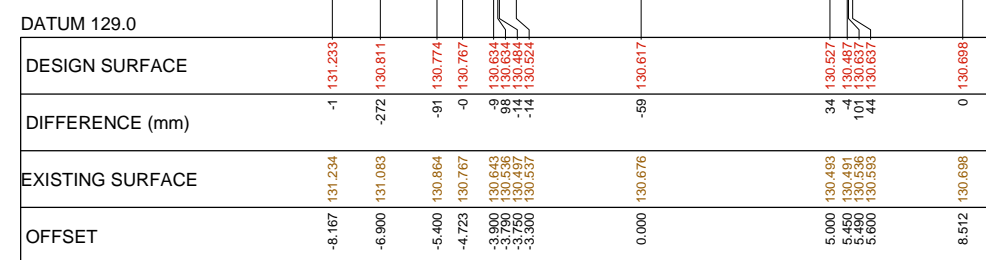


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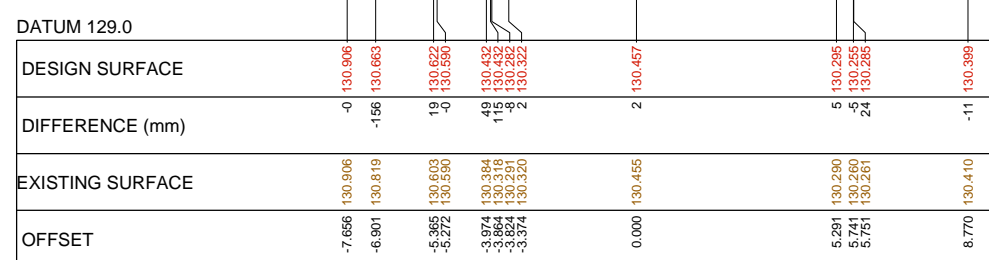
SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN  
 SEEKER UTILITY ENGINEERING "20052-164-UT" (10-03-21)



CH 10.000

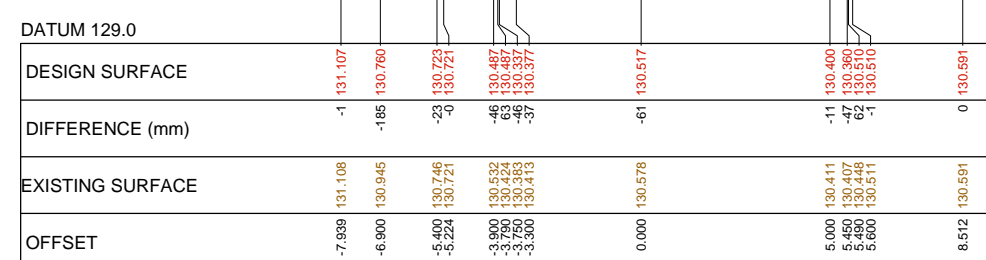


CH 25.000



CH 7.000

VEHICLE CROSSING AT No. 8

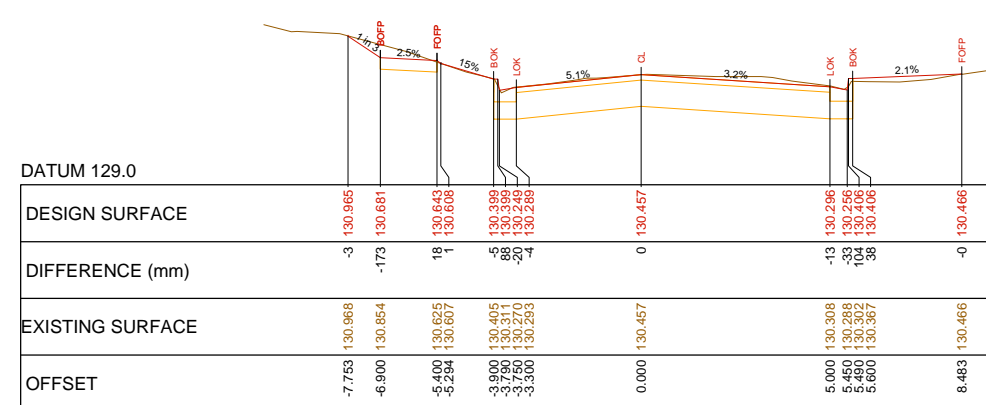


CH 20.000



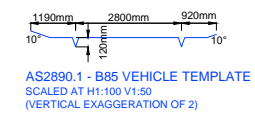
CH 4.050

VEHICLE CROSSING AT No. 6

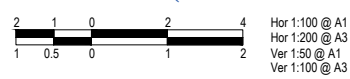


CH 12.134

CL - CENTRE LINE  
 LOK - LIP OF KERB  
 BOK - BACK OF KERB  
 BULL - 'BULLNOSE'  
 VC - EXISTING DRIVEWAY  
 FOPP - FRONT OF FOOTPATH  
 BOFP - BACK OF FOOTPATH  
 RW - TOP OF RETAINING WALL  
 INT BREAKLINE - LANE LINE THROUGH INTERSECTION  
 BIN PAD - BIN PAD



CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



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

CIVIL ENGINEERING DESIGN  
 LUKE WHITFIELD  
 REGISTERED AND CHARTERED PROFESSIONAL ENGINEER REVIEW  
 CHRIS PROCTOR

ORIENTATION  
  
 OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE  
 AS SHOWN @ A1  
 HEIGHT DATUM  
 AHD  
 COORDINATE DATUM  
 MGA 94 ZONE 55  
 SURVEY DATE  
 06-2019  
 AERIAL IMAGE DATE  
 19-12-2019

LOCAL GOVERNMENT AREA  
**CITY OF MAROONDAH**

CLIENT  
  
 Maroondah City Council

CLIENT PROJECT MANAGER / CONTACT  
 TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**  
**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
 EASTFIELD ROAD, RINGWOOD EAST

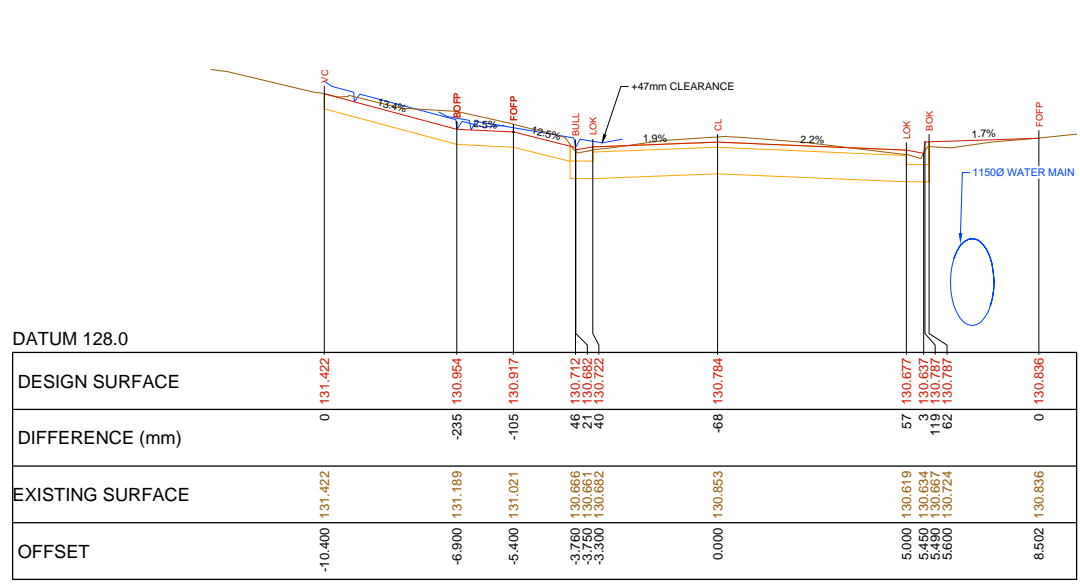
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	30 OF 59
VERSION	08
DWG No.	PC18048-30-08

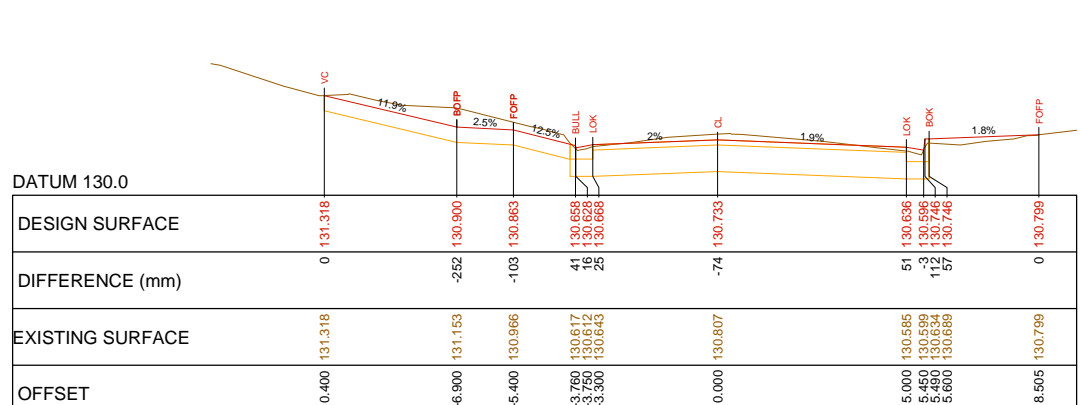


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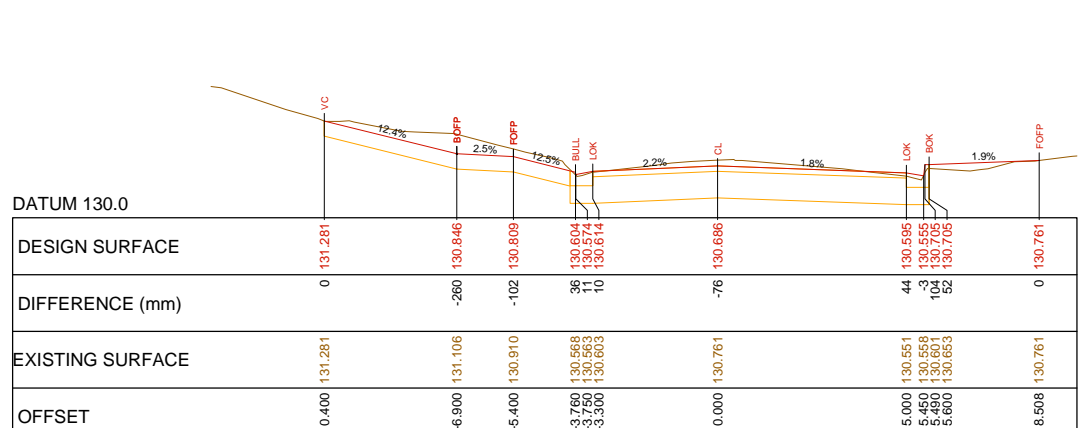
SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN  
 SEEKER UTILITY ENGINEERING "20052-164-UT" (10-03-21)



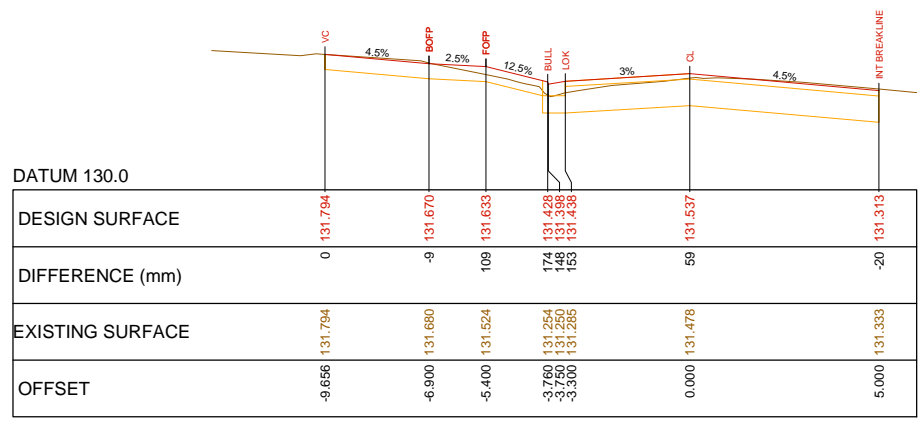
VEHICLE CROSSING AT No. 104 CH 30.500



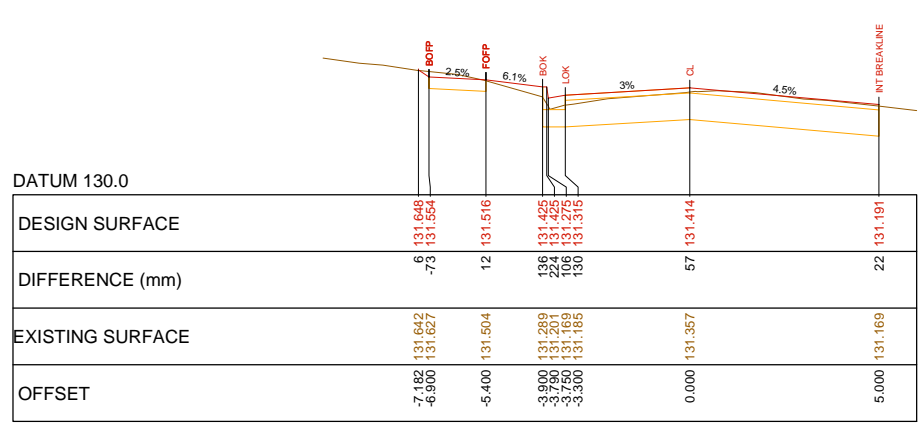
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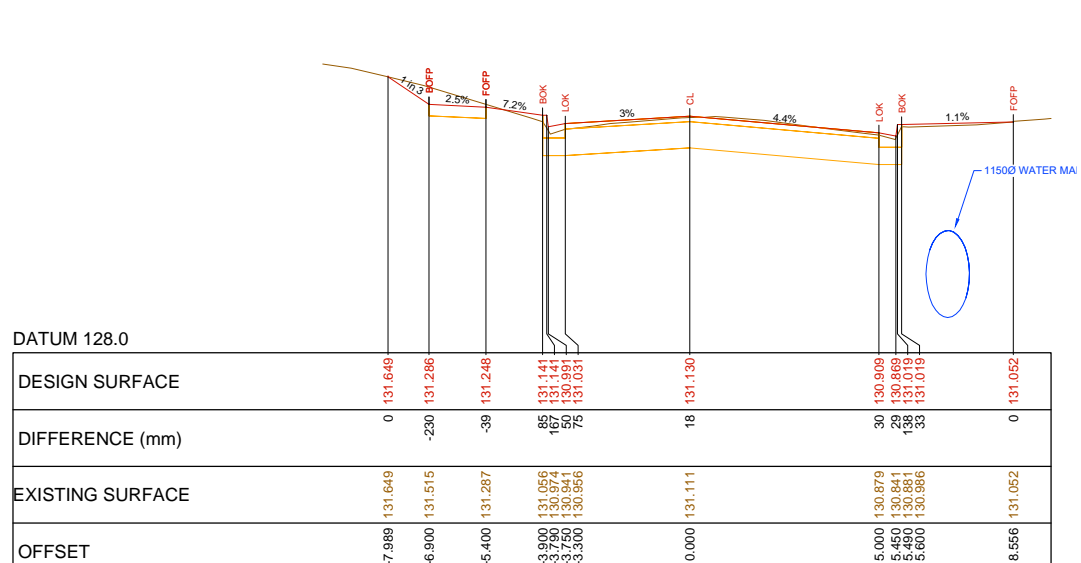
VEHICLE CROSSING AT No. 104 CH 27.500



VEHICLE CROSSING AT No. 104 CH 49.000



CH 46.000



CH 39.080

CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



VER	DESCRIPTION	DATE
08	FOR CONSTRUCTION	23-03-2022
07	FOR CONSTRUCTION	21-02-2022
06	FOR CONSTRUCTION	01-12-2021
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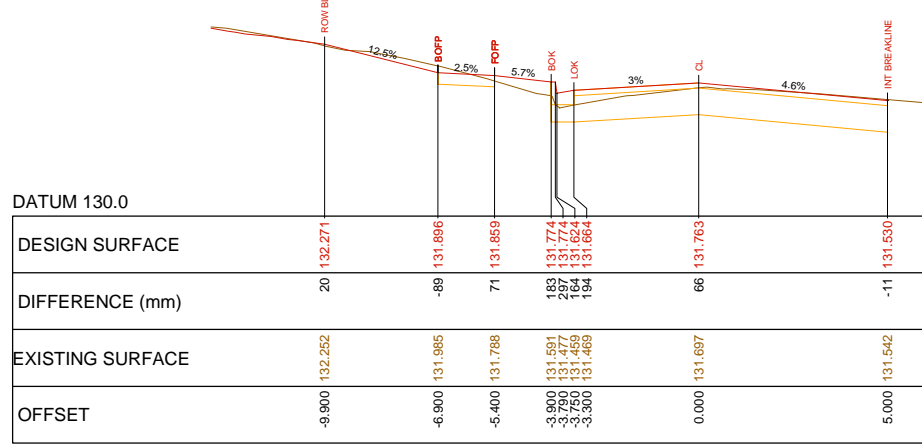
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	31 OF 59
VERSION	08
DWG No.	PC18048-31-08

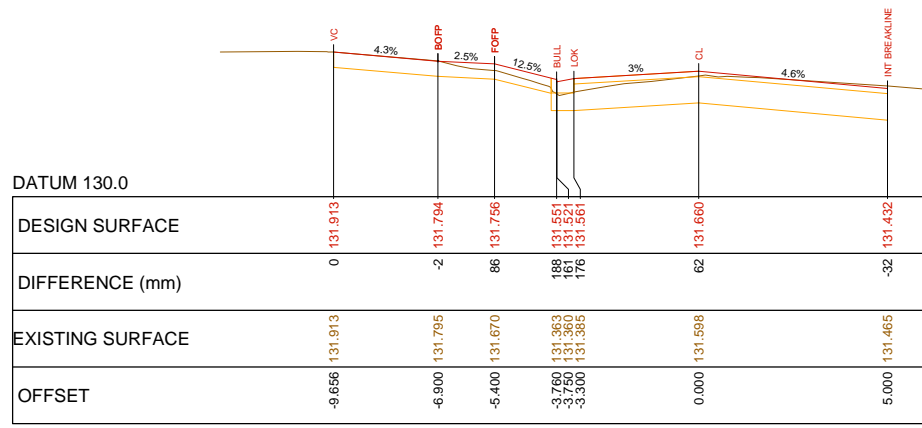
SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN SEEKER UTILITY ENGINEERING '20052-164-UT' (10-03-21)



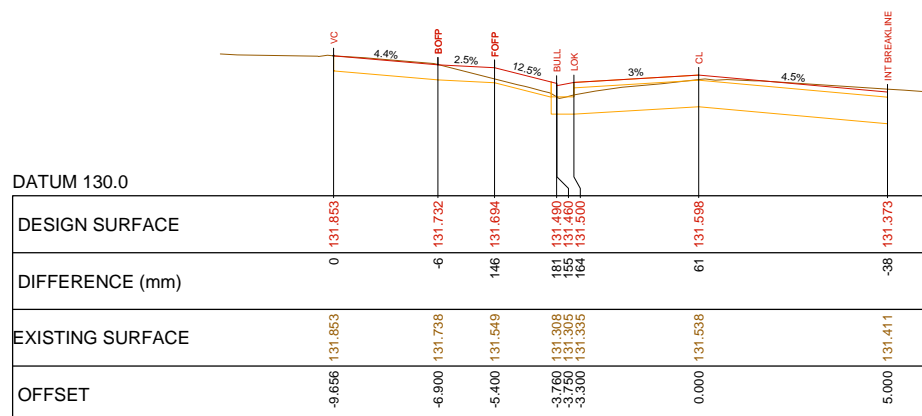
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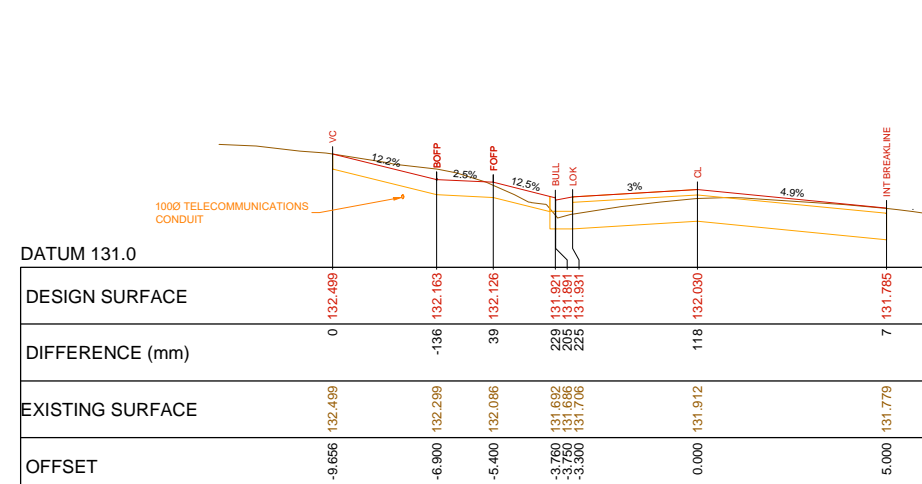
ROW ENTRANCE CH 54.500



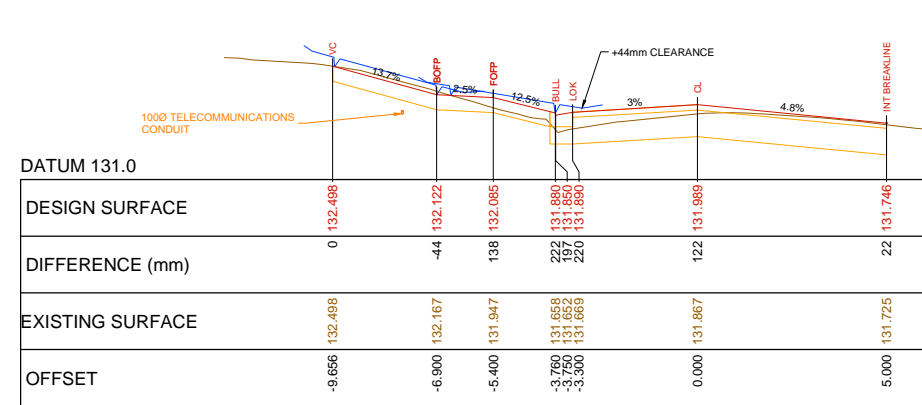
VEHICLE CROSSING AT No. 104 CH 52.000



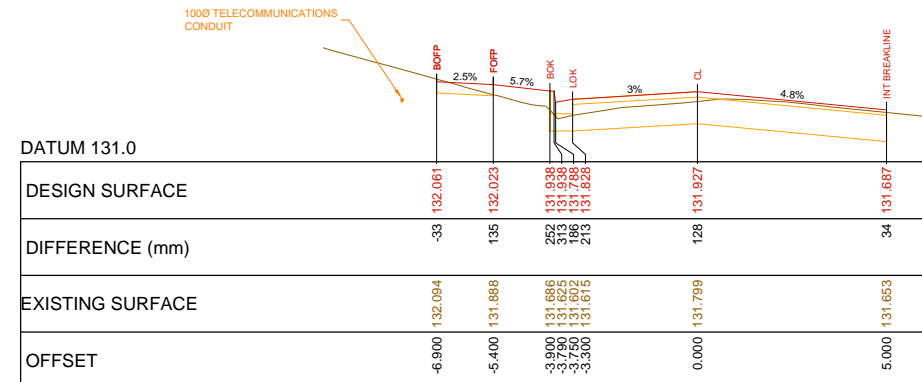
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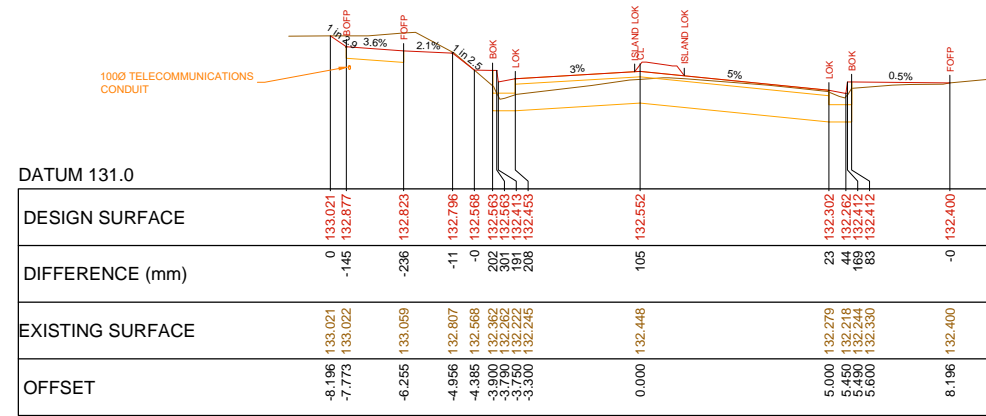
VEHICLE CROSSING AT No. 1 CH 61.000



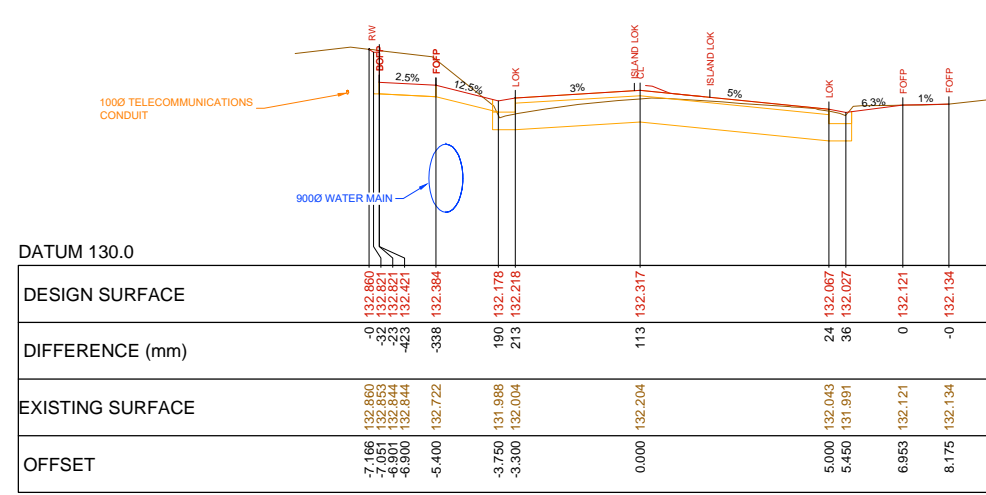
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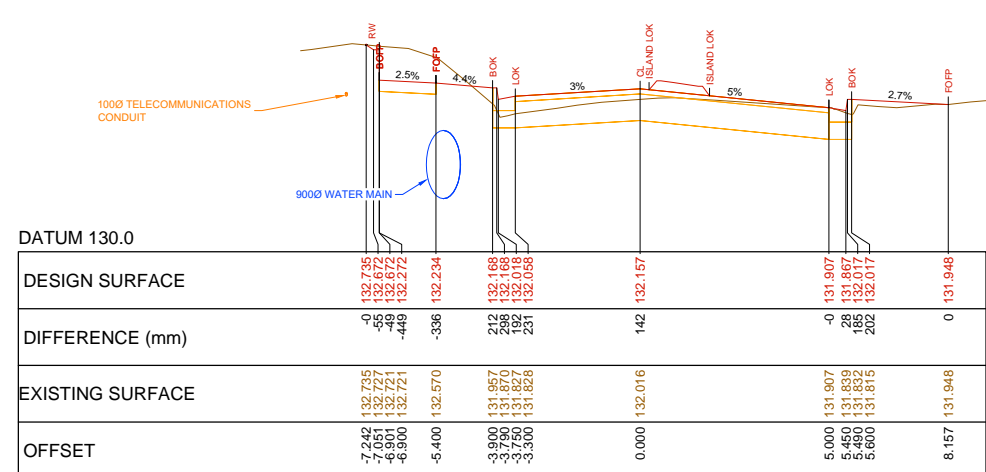
CH 58.500



CH 75.000



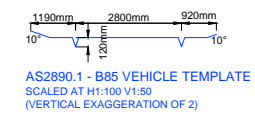
CH 68.500



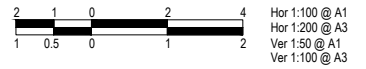
CH 64.107

CL - CENTRE LINE  
LOK - LIP OF KERB  
BOK - BACK OF KERB  
BULL - 'BULLNOSE'  
VC - EXISTING DRIVEWAY

FOPP - FRONT OF FOOTPATH  
BOFP - BACK OF FOOTPATH  
RW - TOP OF RETAINING WALL  
INT BREAKLINE - LANE LINE THROUGH INTERSECTION  
BIN PAD - BIN PAD



CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



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**ROAD & DRAINAGE RECONSTRUCTION WORKS**

EASTFIELD ROAD, RINGWOOD EAST

CROSS-SECTIONS - CENTRELINE 'A'

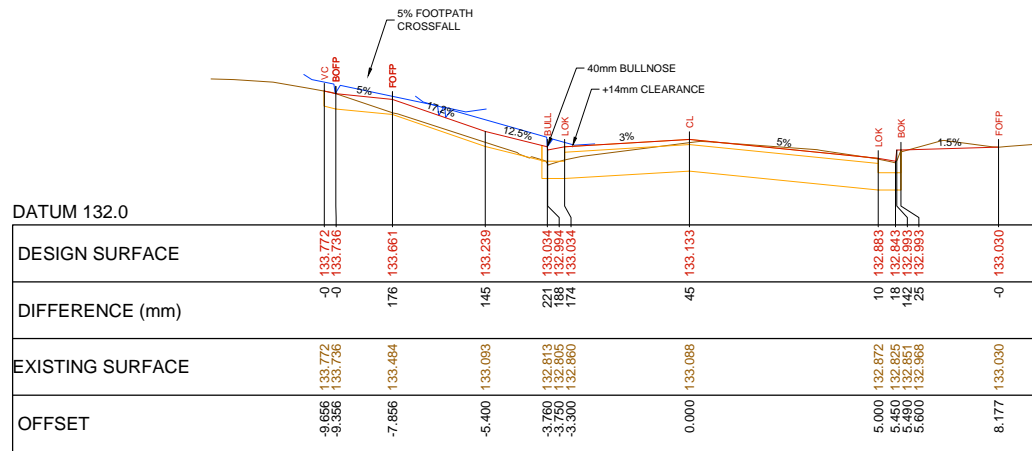
PROJECT No.	PC18048
SHEET No.	32 OF 59
VERSION	08
DWG No.	PC18048-32-08



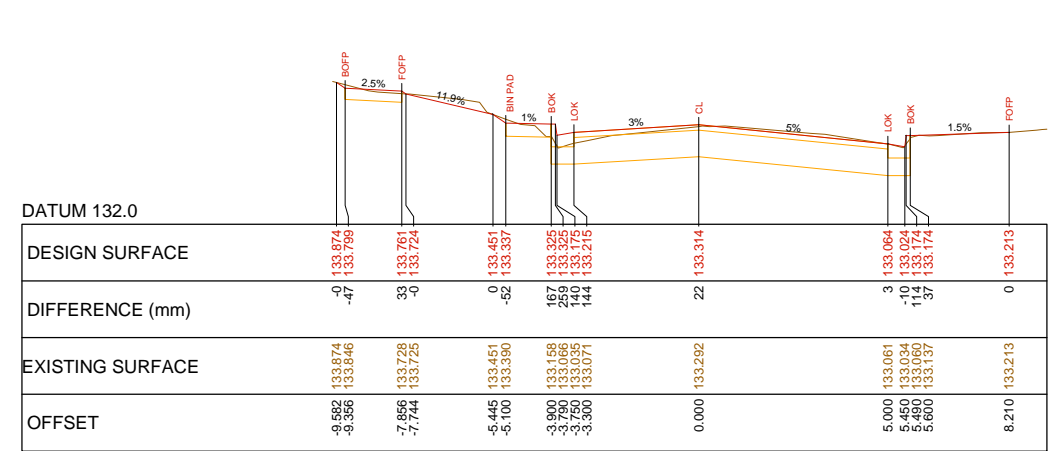
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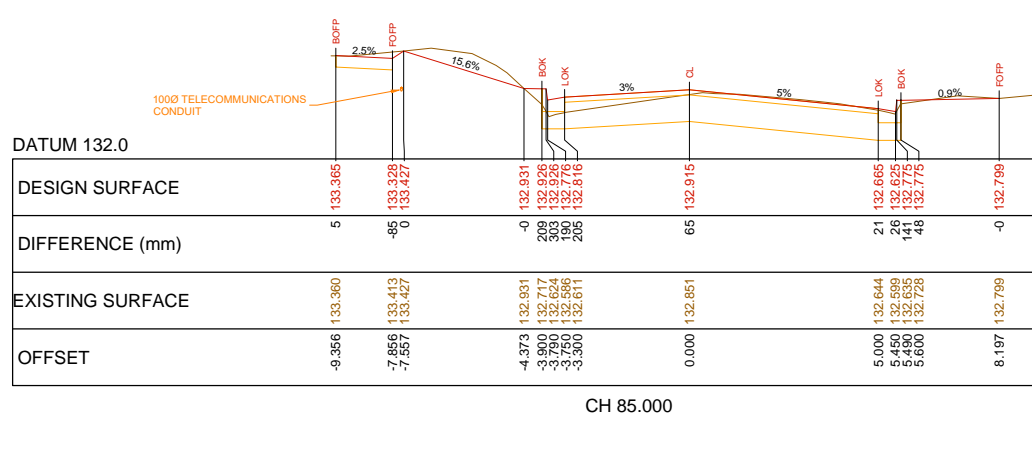
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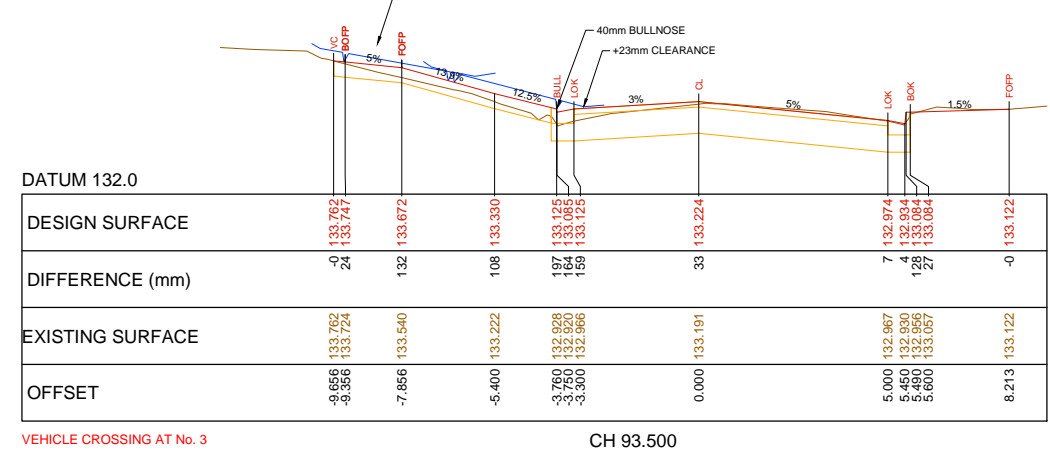
VEHICLE CROSSING AT No. 3 CH 91.000



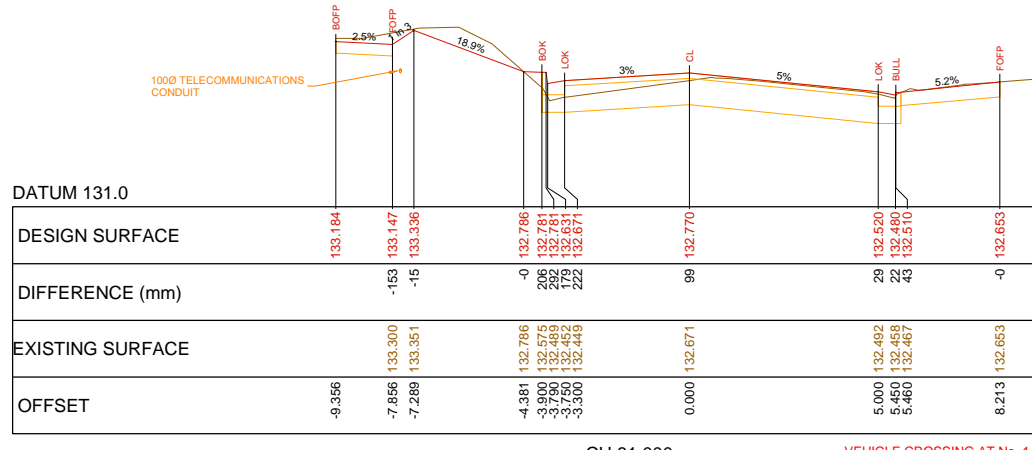
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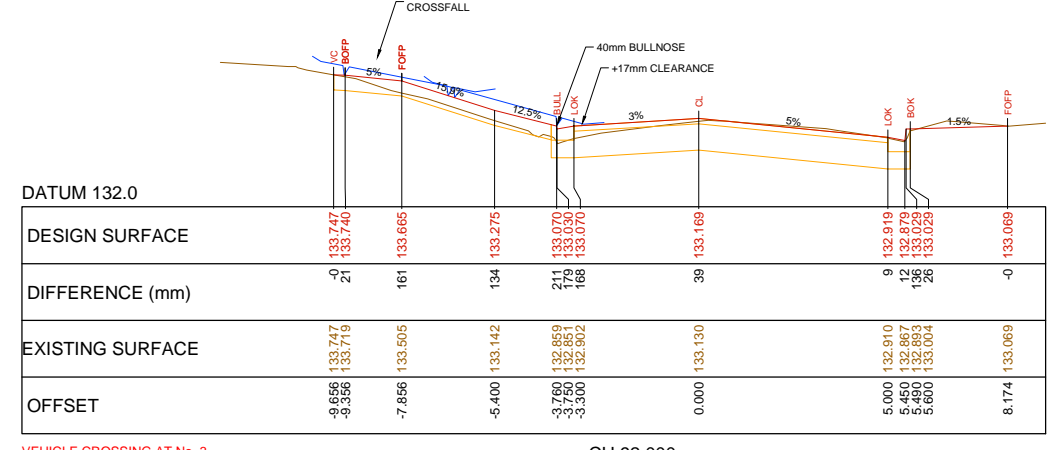
VEHICLE CROSSING AT No. 3 CH 85.000



VEHICLE CROSSING AT No. 3 CH 93.500



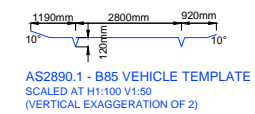
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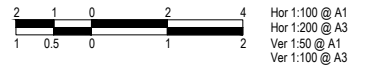
VEHICLE CROSSING AT No. 3 CH 92.000

CL - CENTRE LINE  
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CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



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EASTFIELD ROAD, RINGWOOD EAST

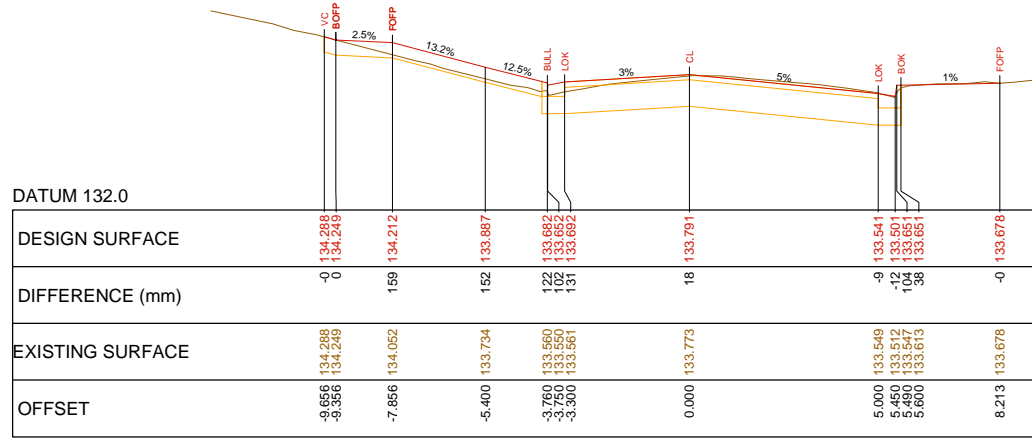
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	33 OF 59
VERSION	08
DWG No.	PC18048-33-08

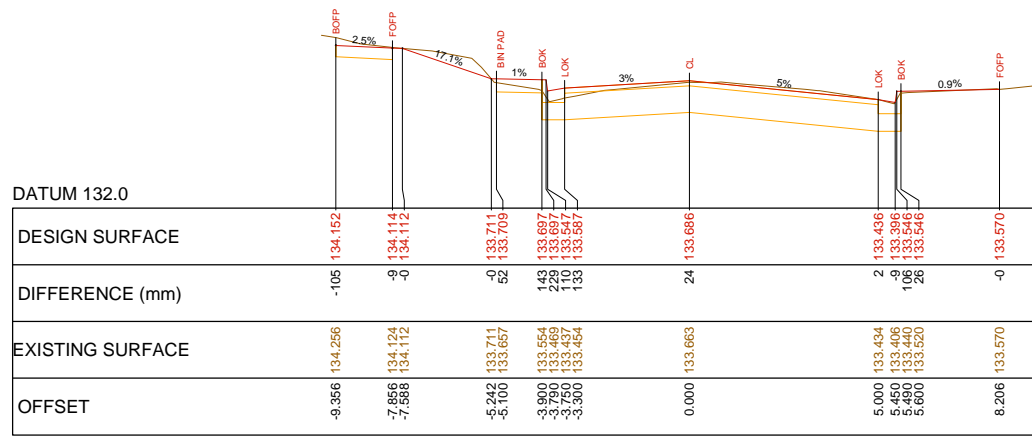
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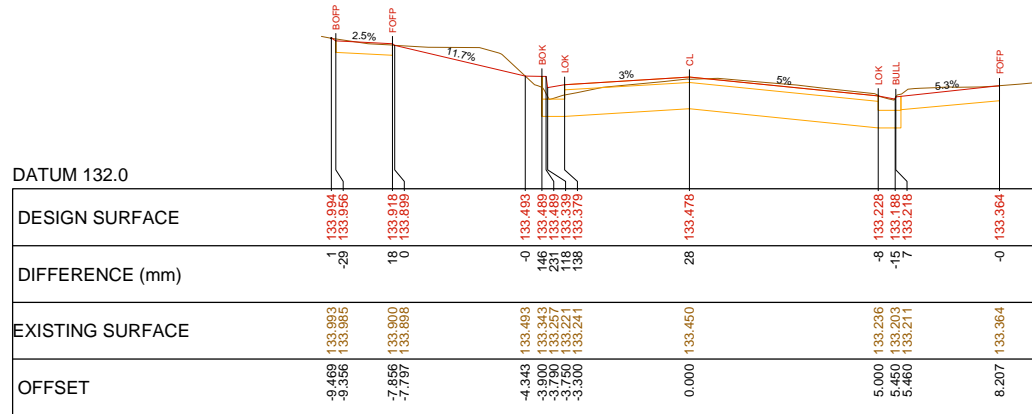
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VEHICLE CROSSING AT No. 5 CH 107.500

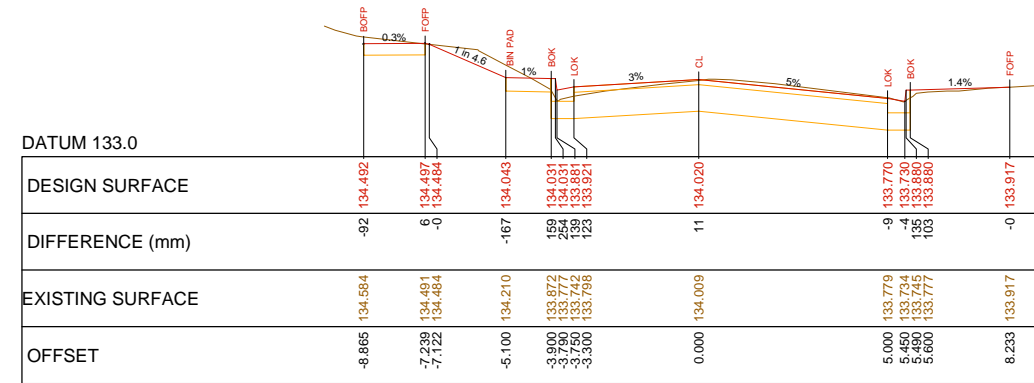
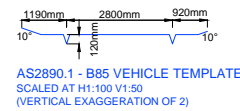


CH 105.000

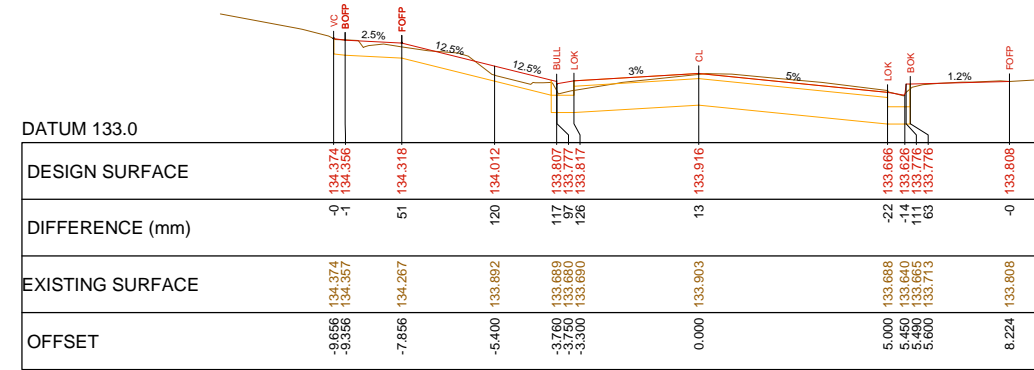


CH 100.000

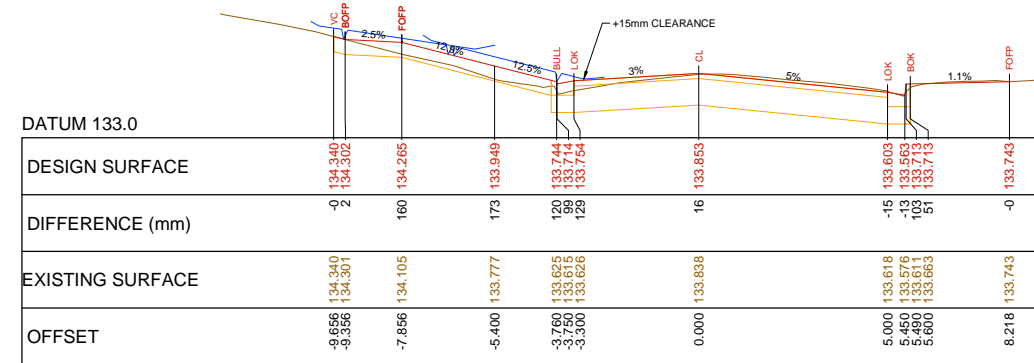
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CH 113.000

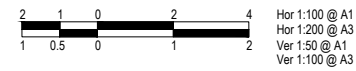


VEHICLE CROSSING AT No. 5 CH 110.500



VEHICLE CROSSING AT No. 5 CH 109.000

CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



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EASTFIELD ROAD, RINGWOOD EAST

CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	34 OF 59
VERSION	08
DWG No.	PC18048-34-08

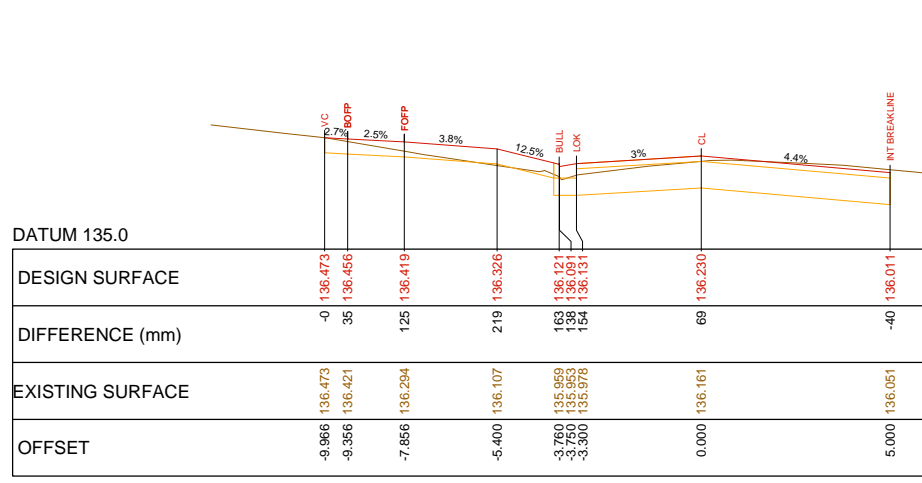




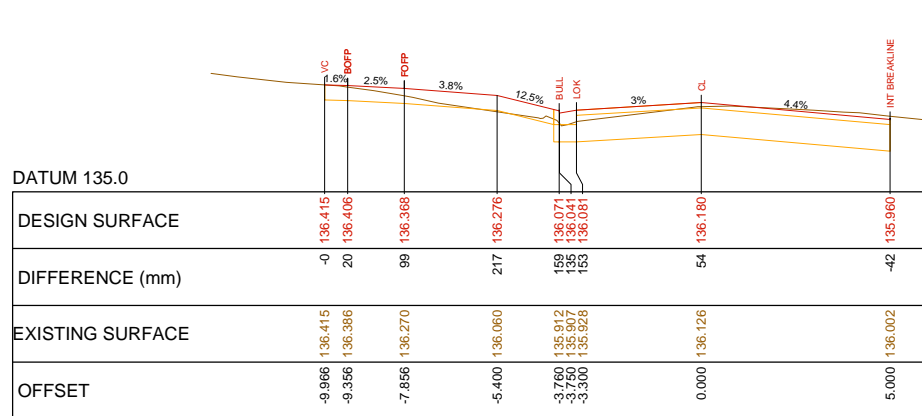
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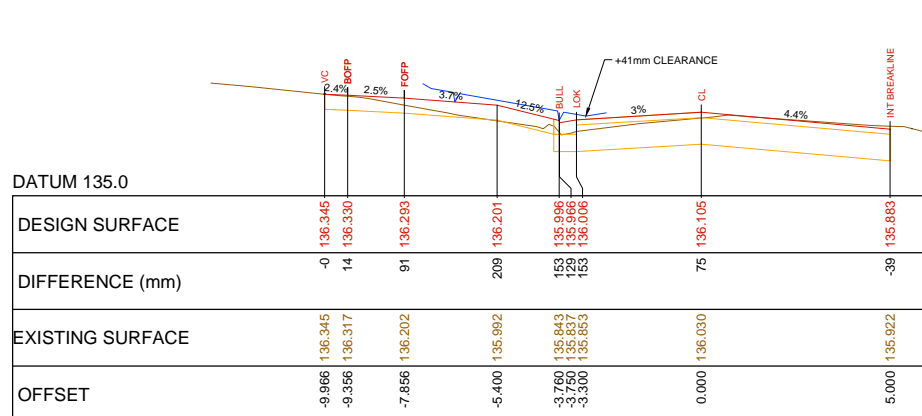
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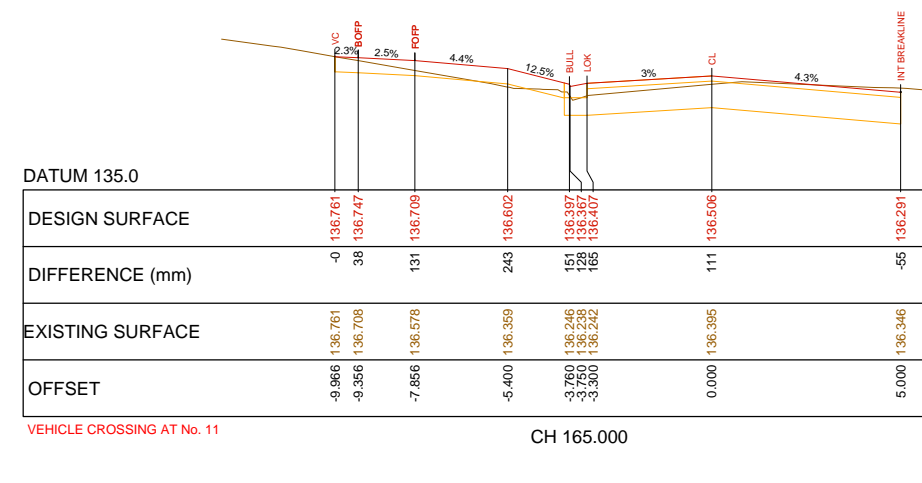
VEHICLE CROSSING AT No. 9 CH 159.500



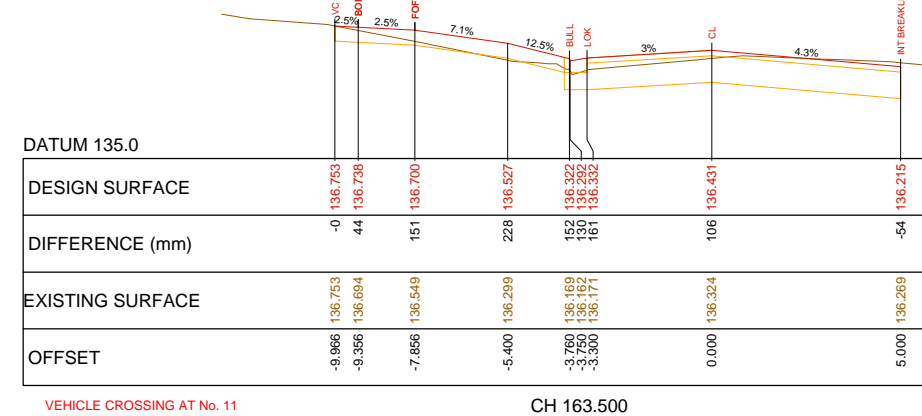
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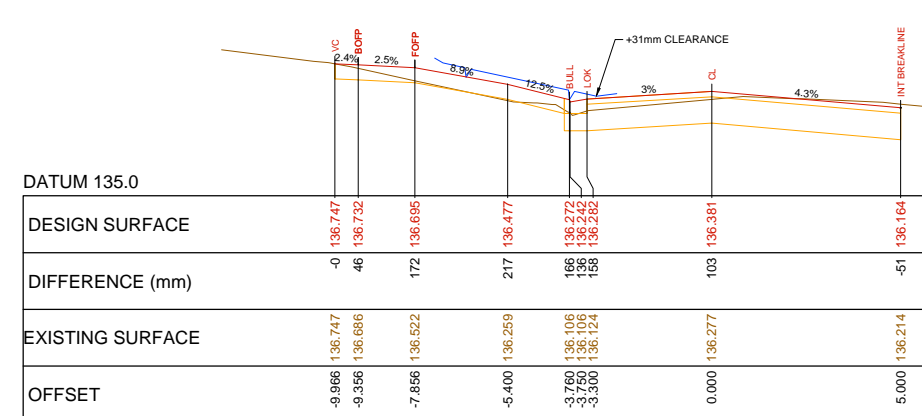
VEHICLE CROSSING AT No. 9 CH 157.000



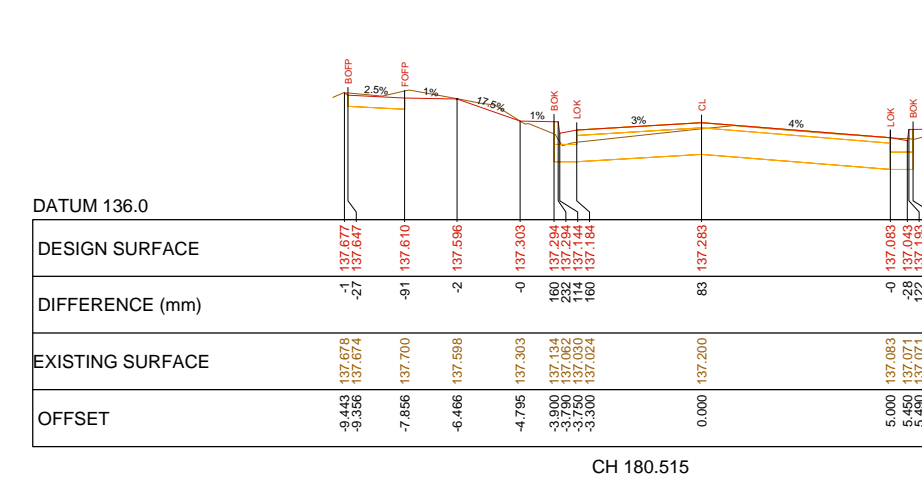
VEHICLE CROSSING AT No. 11 CH 165.000



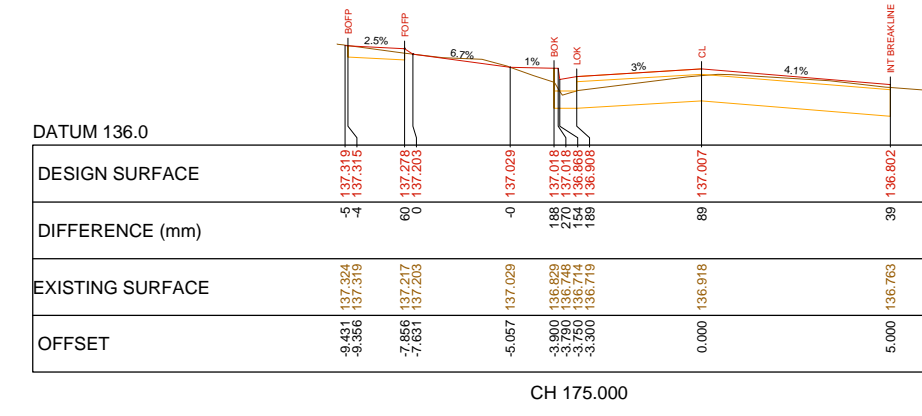
VEHICLE CROSSING AT No. 11 CH 163.500



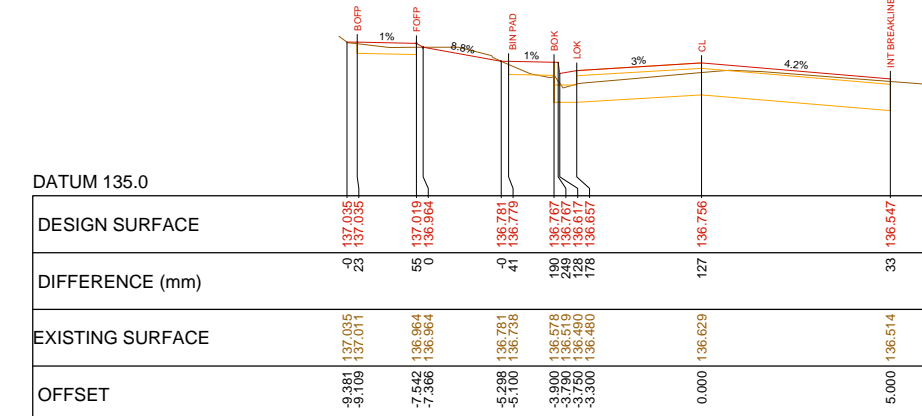
VEHICLE CROSSING AT No. 11 CH 162.500



CH 180.515



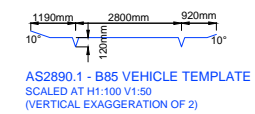
CH 175.000



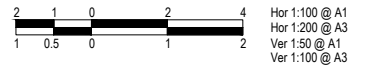
CH 170.000

CL - CENTRE LINE  
LOK - LIP OF KERB  
BOK - BACK OF KERB  
BULL - 'BULLNOSE'  
VC - EXISTING DRIVEWAY

FOPP - FRONT OF FOOTPATH  
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INT BREAKLINE - LANE LINE THROUGH INTERSECTION  
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CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



VER	DESCRIPTION	DATE
08	FOR CONSTRUCTION	23-03-2022
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02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	03-06-2020
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Maroondah City Council

CLIENT PROJECT MANAGER / CONTACT  
TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

EASTFIELD ROAD, RINGWOOD EAST

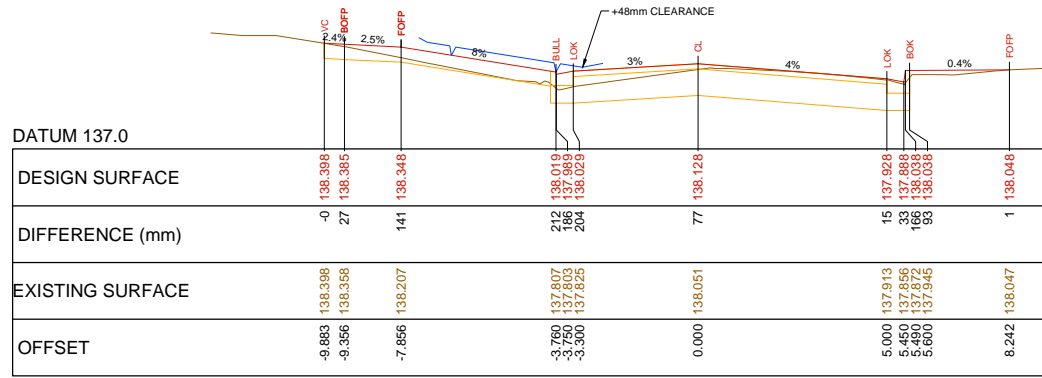
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	37 OF 59
VERSION	08
DWG No.	PC18048-37-08

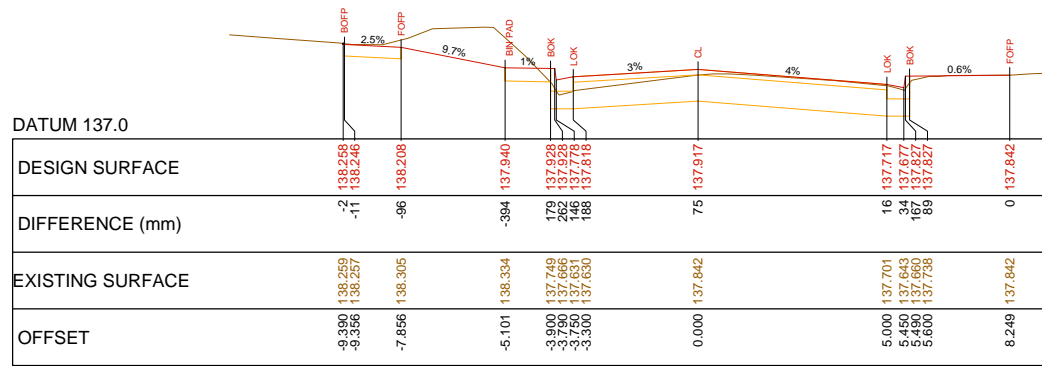
SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN SEEKER UTILITY ENGINEERING "20052-164-UT" (10-03-21)



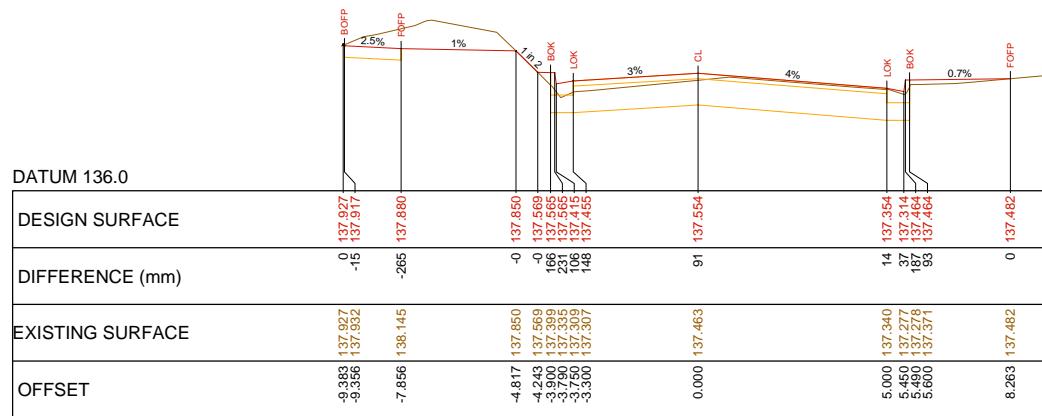
**WARNING**  
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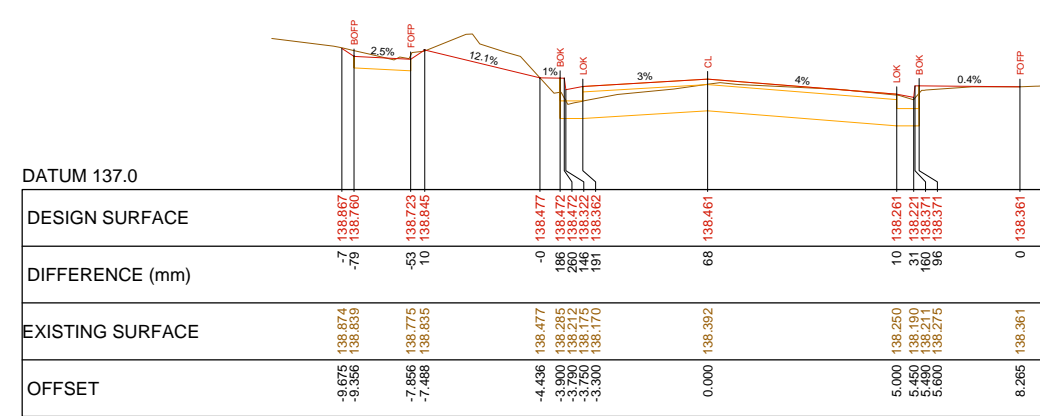
VEHICLE CROSSING AT No. 13 CH 194.500



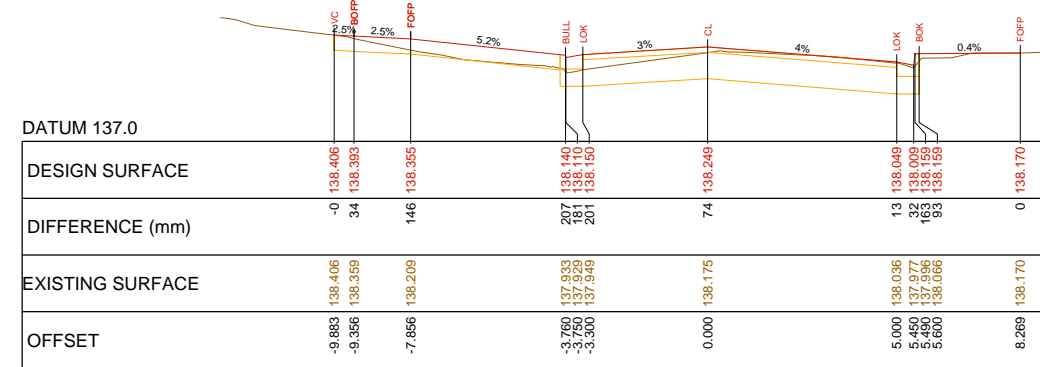
CH 191.000



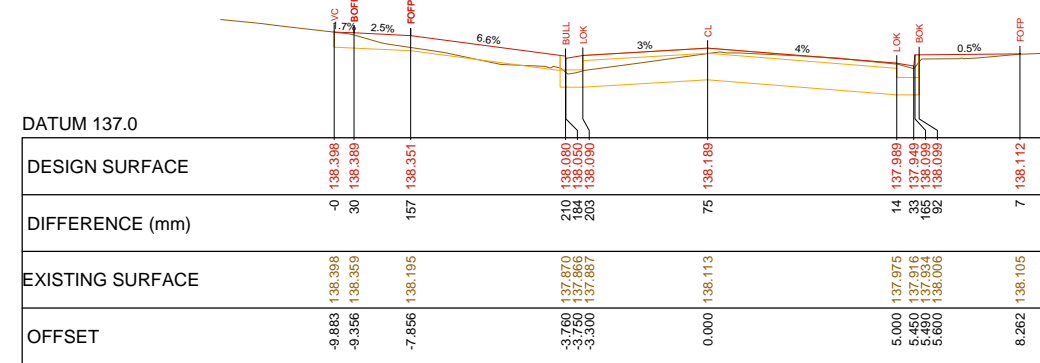
CH 185.000



CH 200.000



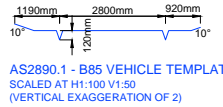
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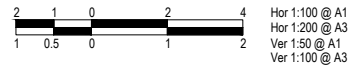
VEHICLE CROSSING AT No. 13 CH 195.500

CL - CENTRE LINE  
LOK - LIP OF KERB  
BOK - BACK OF KERB  
BULL - 'BULLNOSE'  
VC - EXISTING DRIVEWAY

FOPP - FRONT OF FOOTPATH  
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INT BREAKLINE - LANE LINE THROUGH INTERSECTION  
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CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
EASTFIELD ROAD, RINGWOOD EAST

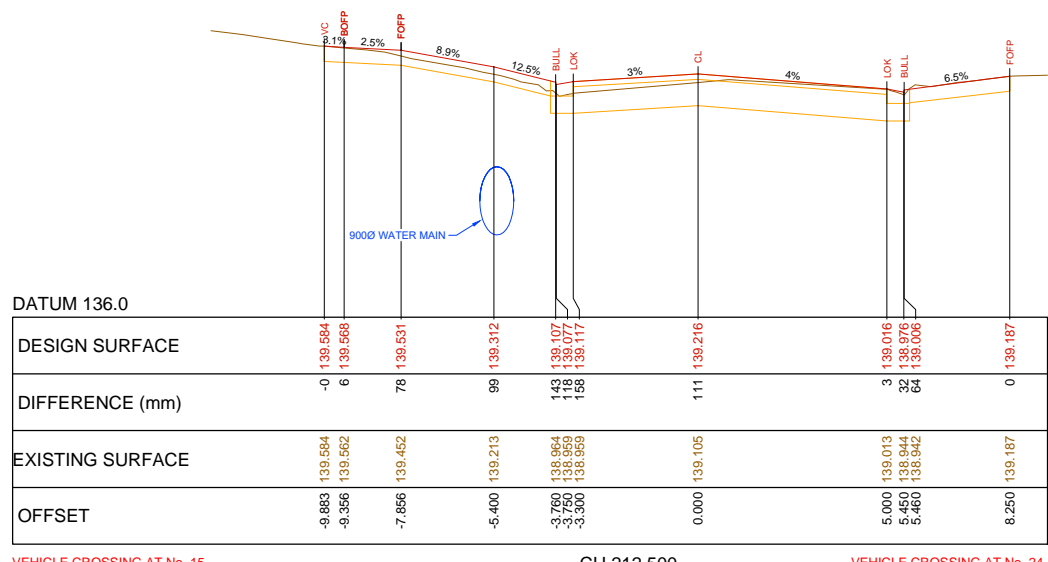
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	38 OF 59
VERSION	08
DWG No.	PC18048-38-08

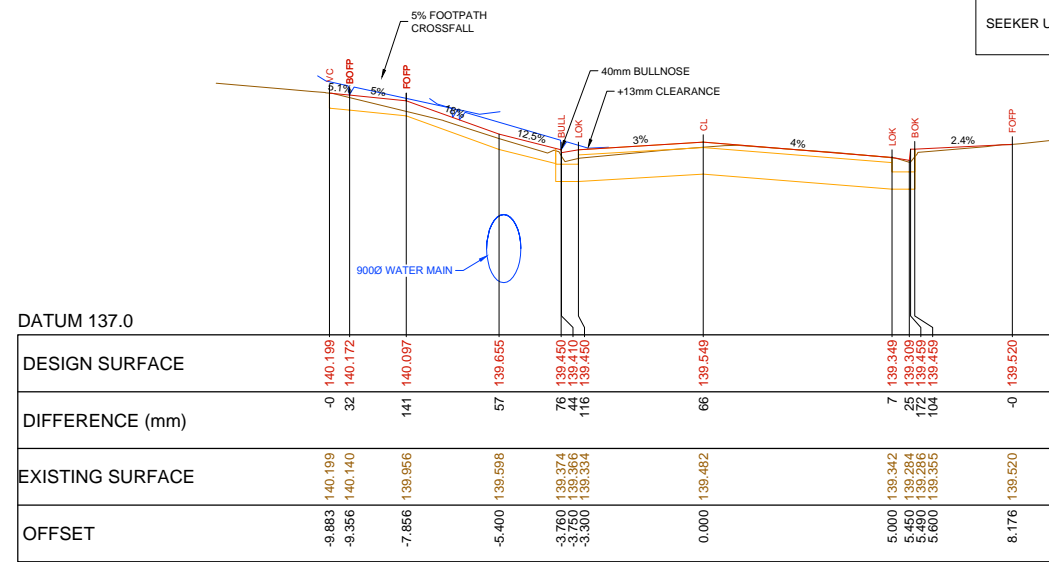
SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN SEEKER UTILITY ENGINEERING '20052-164-UT' (10-03-21)



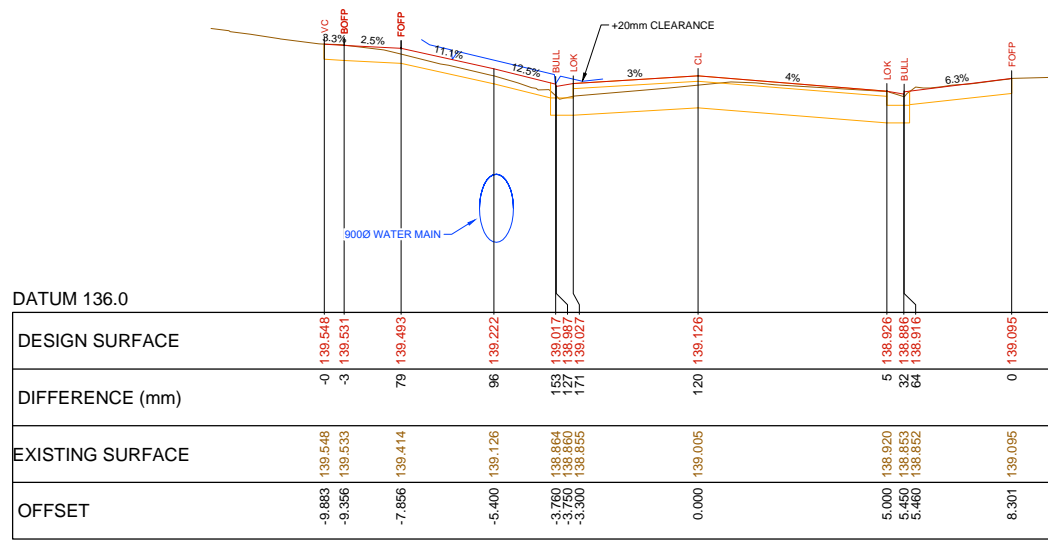
**WARNING**  
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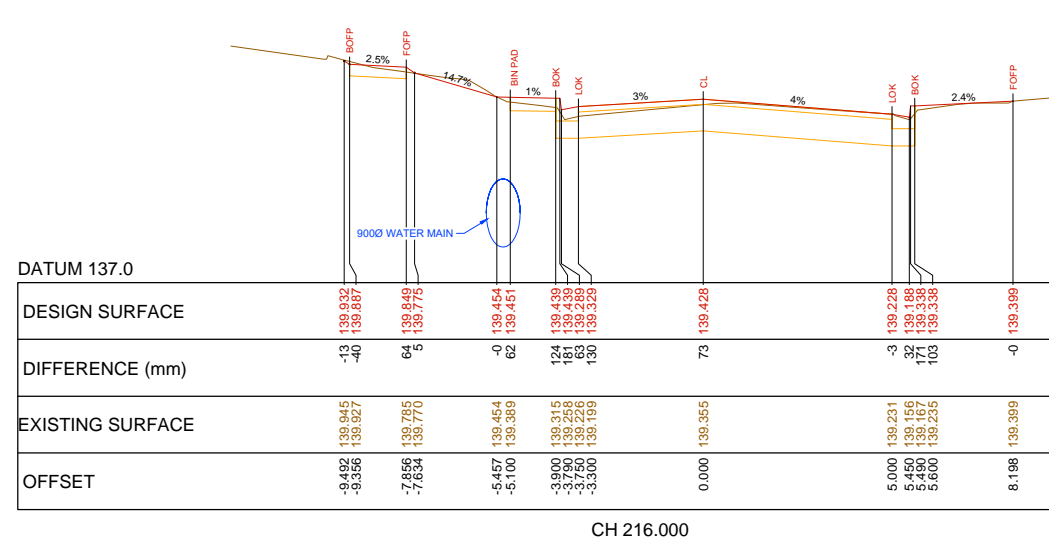
VEHICLE CROSSING AT No. 15 CH 212.500 VEHICLE CROSSING AT No. 24



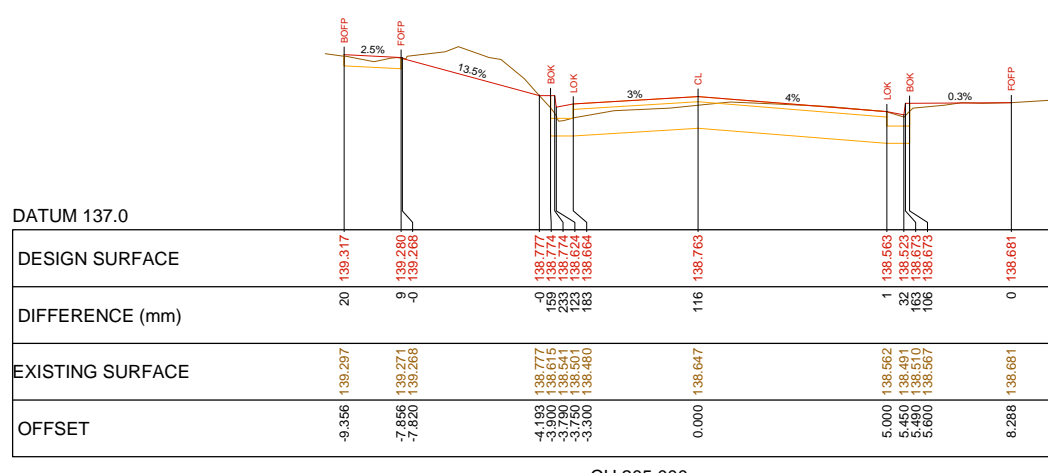
VEHICLE CROSSING AT No. 17 CH 218.000



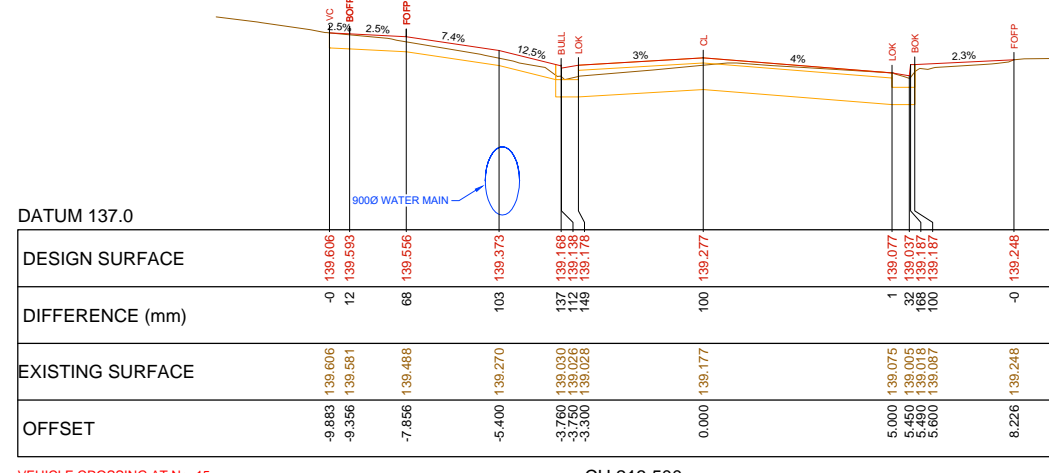
VEHICLE CROSSING AT No. 15 CH 211.000 VEHICLE CROSSING AT No. 24



CH 216.000



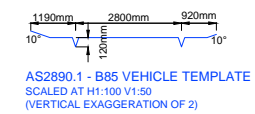
CH 205.000



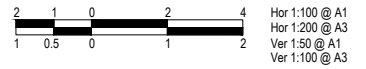
VEHICLE CROSSING AT No. 15 CH 213.500

CL - CENTRE LINE  
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CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



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VER	DESCRIPTION	DATE

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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

EASTFIELD ROAD, RINGWOOD EAST

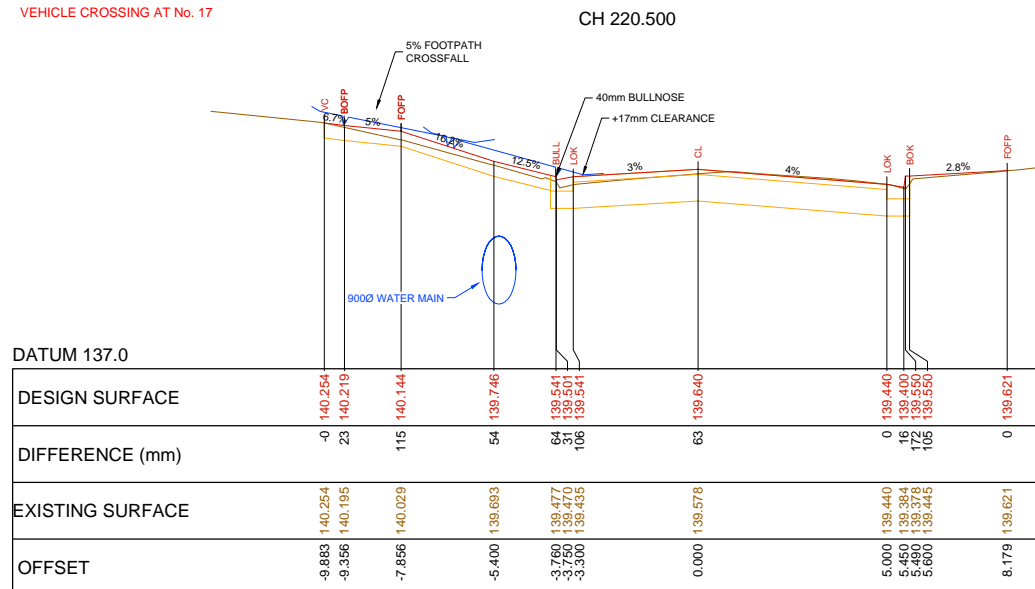
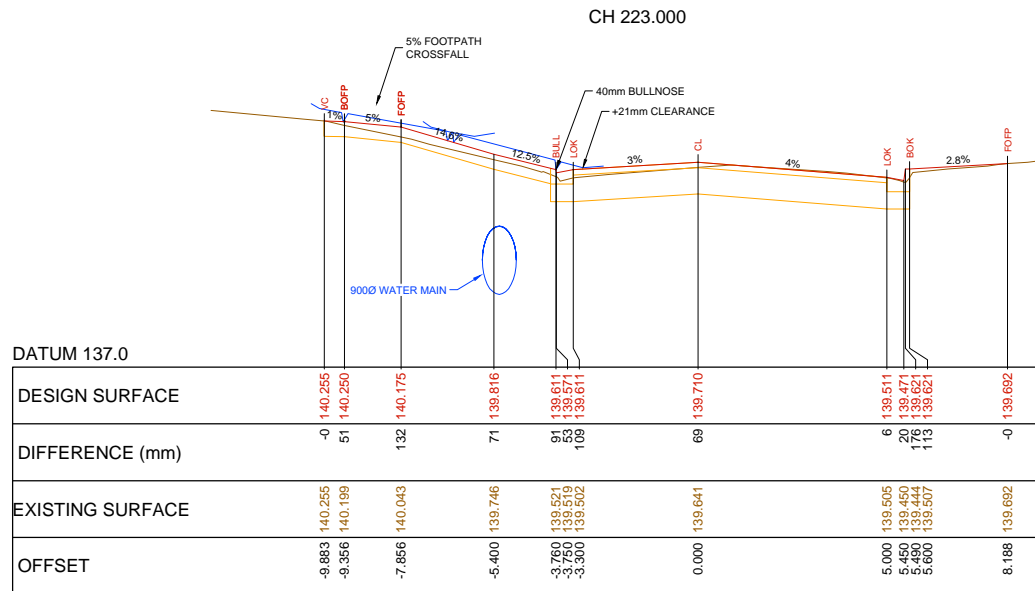
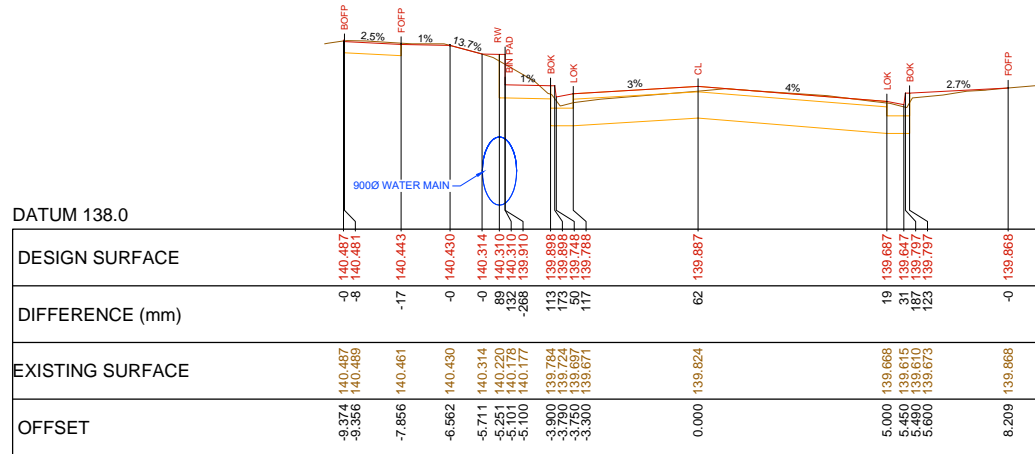
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	39 OF 59
VERSION	08
DWG No.	PC18048-39-08

SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN SEEKER UTILITY ENGINEERING \*20052-164-UT\* (10-03-21)

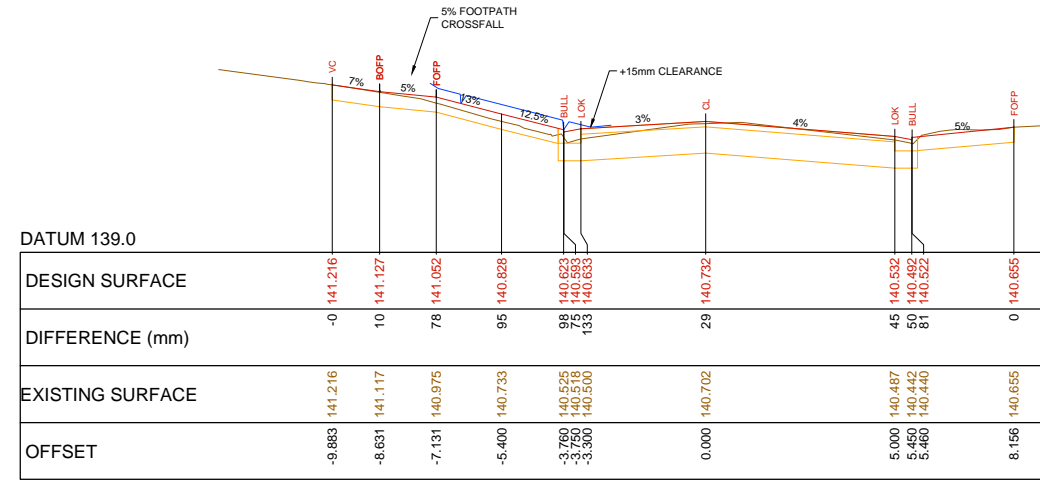
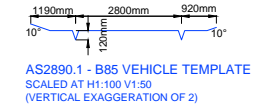


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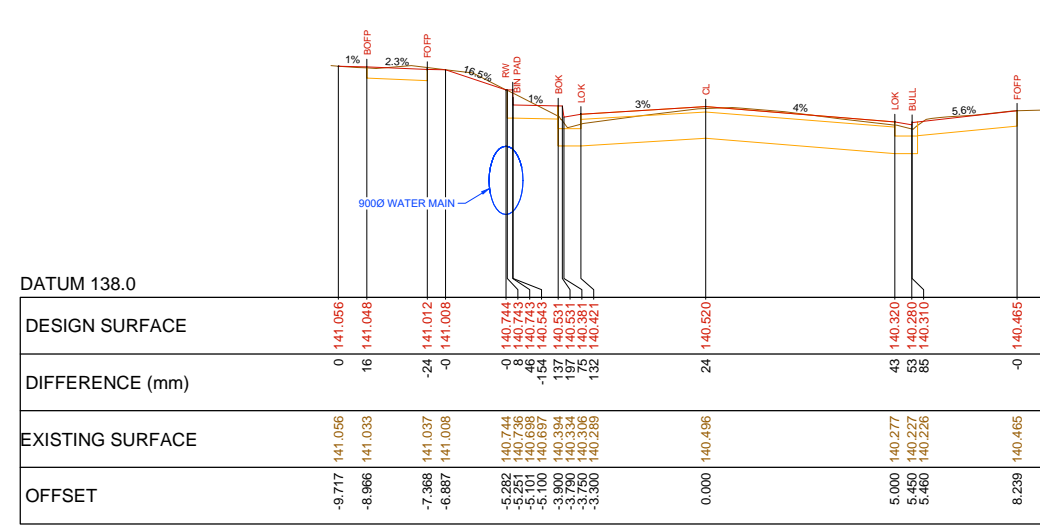


CH 219.500

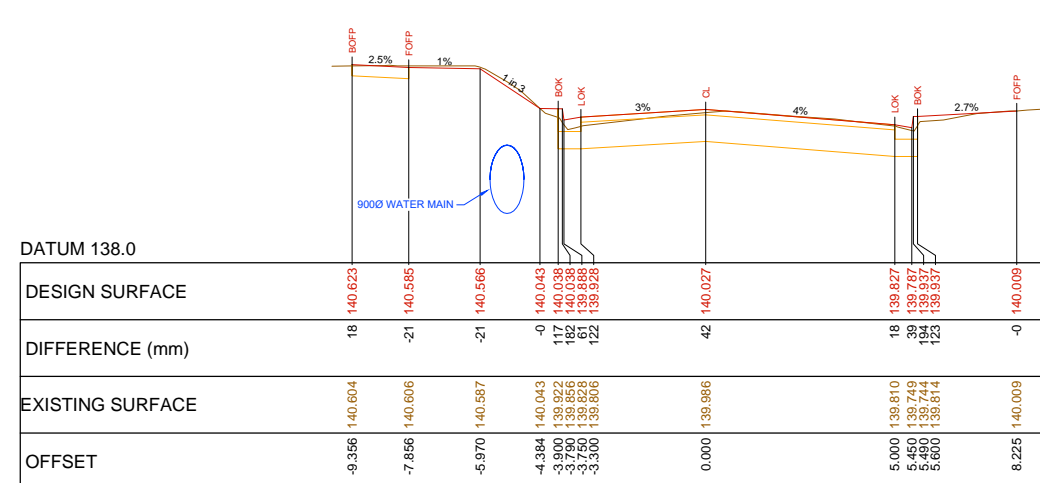
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CH 235.000

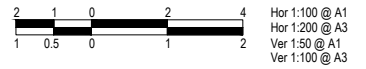


CH 232.000



CH 225.000

CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



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EASTFIELD ROAD, RINGWOOD EAST

CROSS-SECTIONS - CENTRELINE 'A'

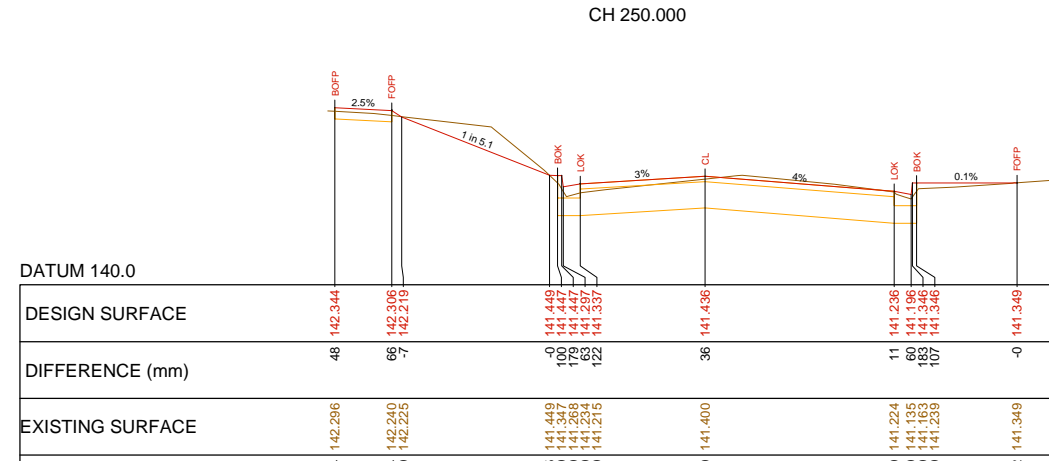
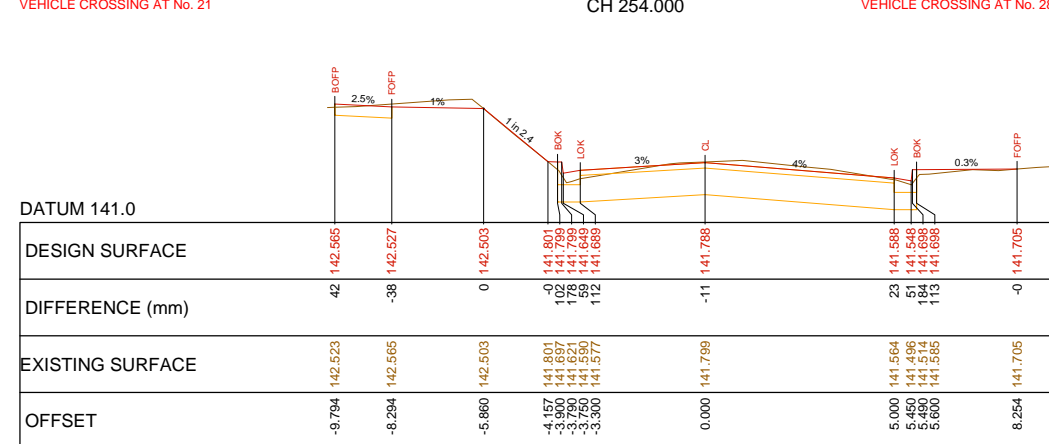
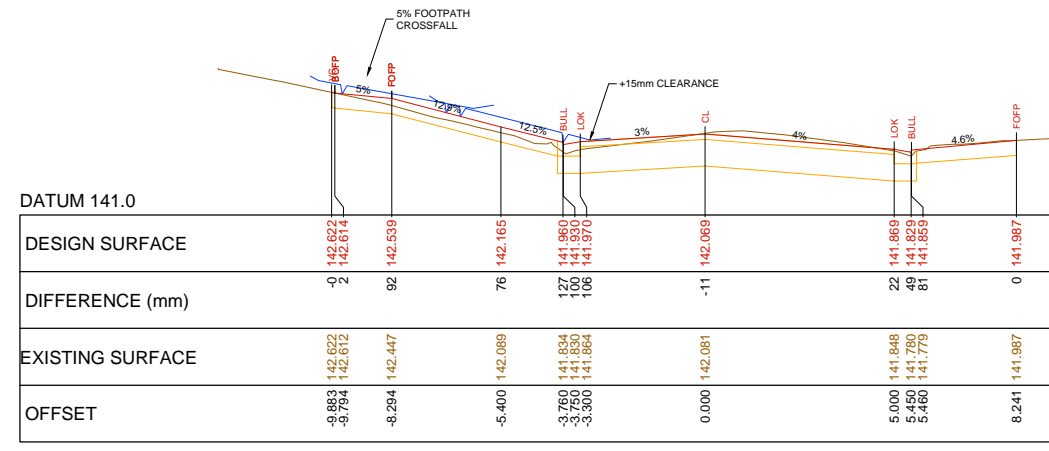
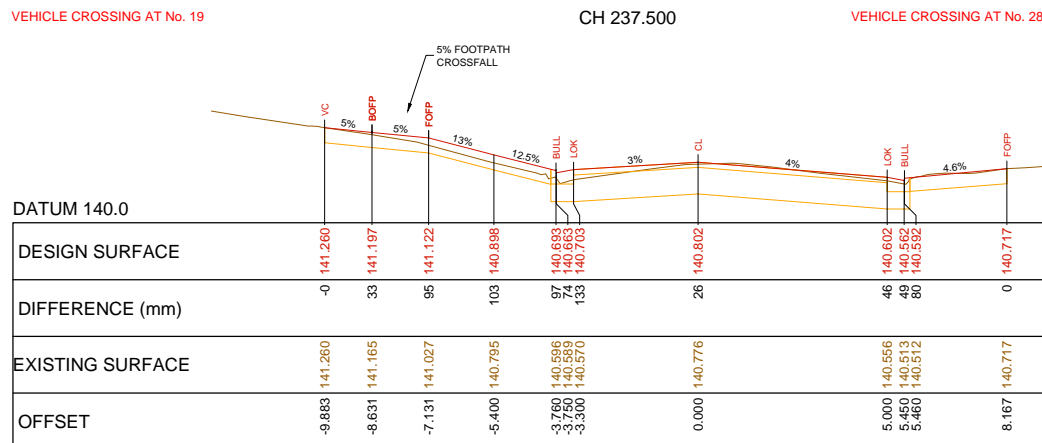
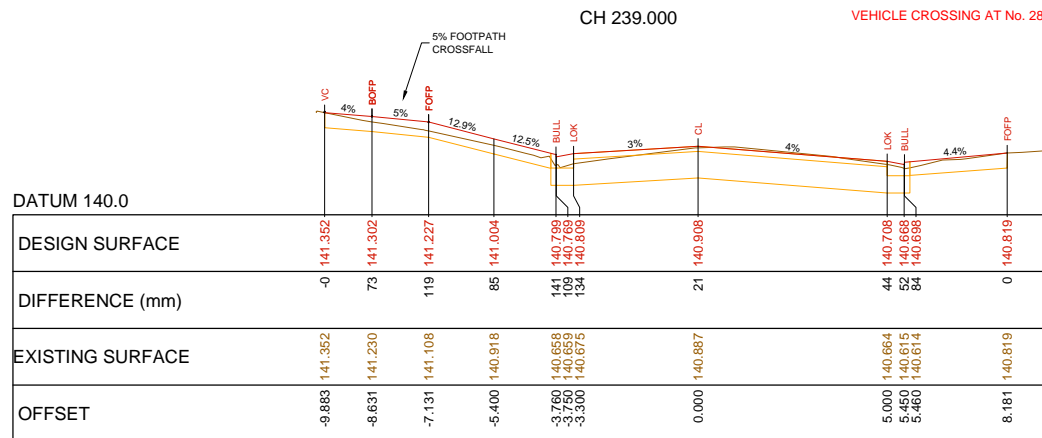
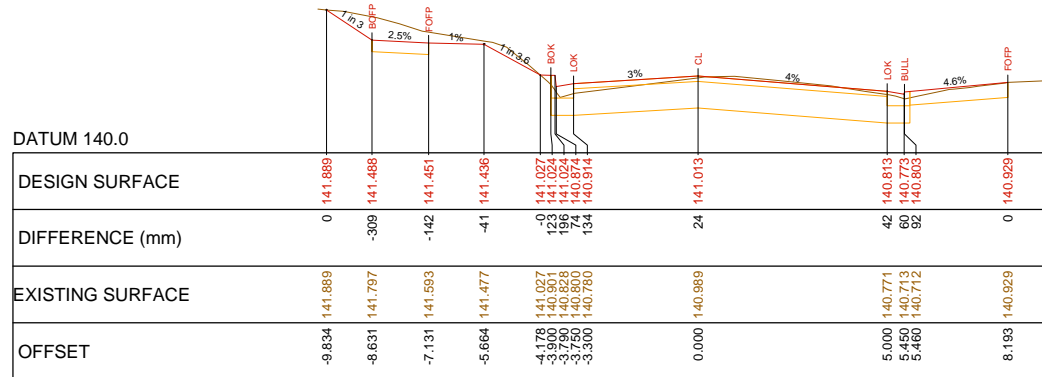
PROJECT No.	PC18048
SHEET No.	40 OF 59
VERSION	08
DWG No.	PC18048-40-08



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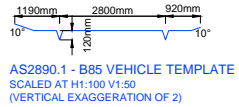


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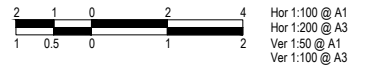


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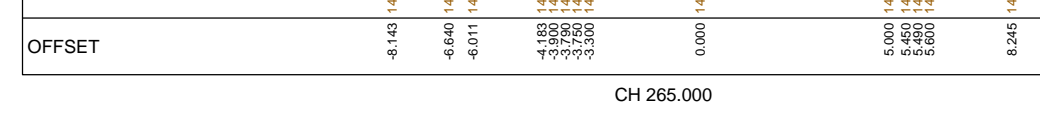
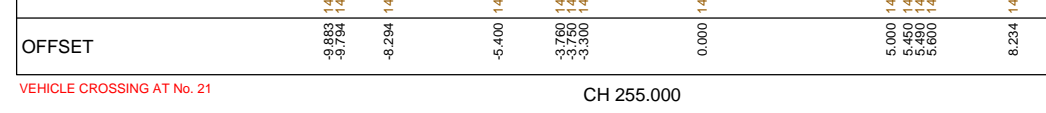
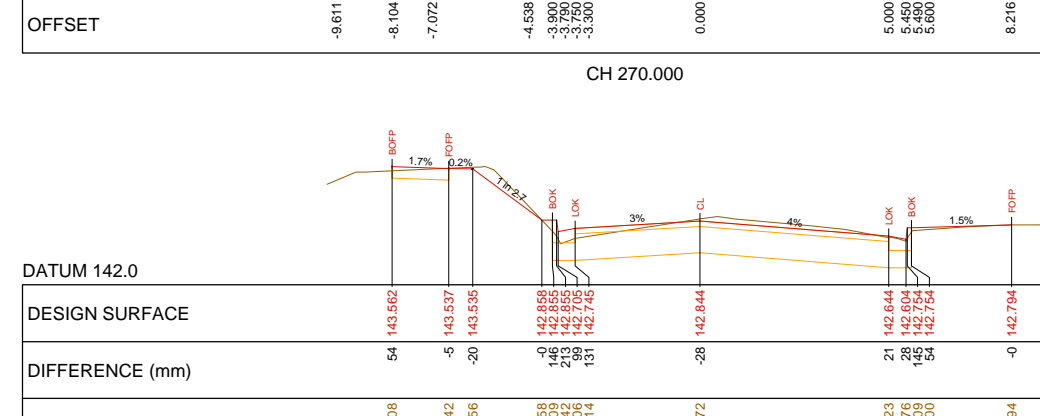
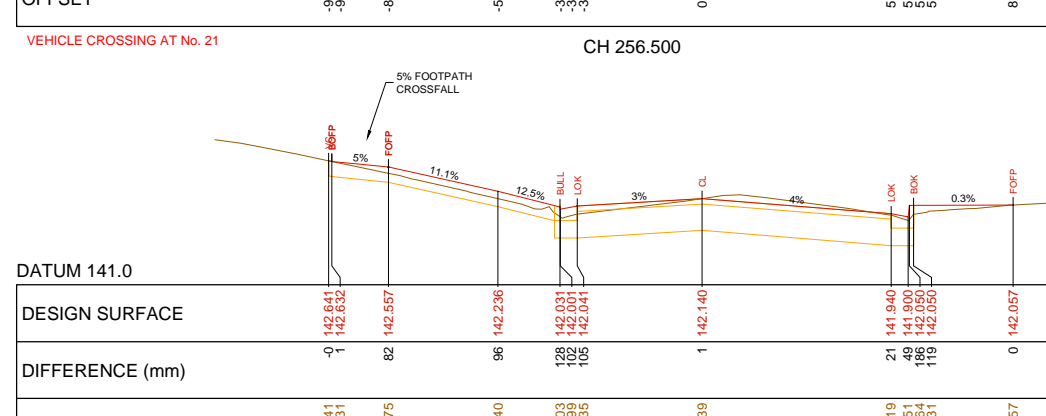
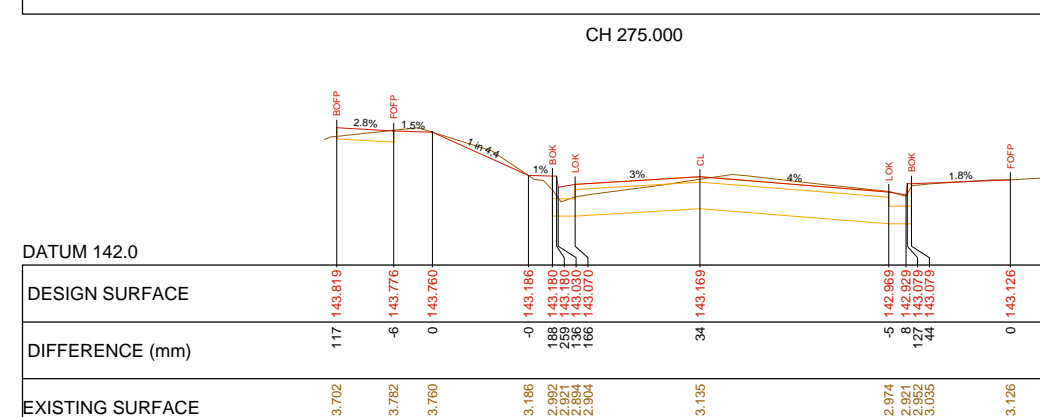
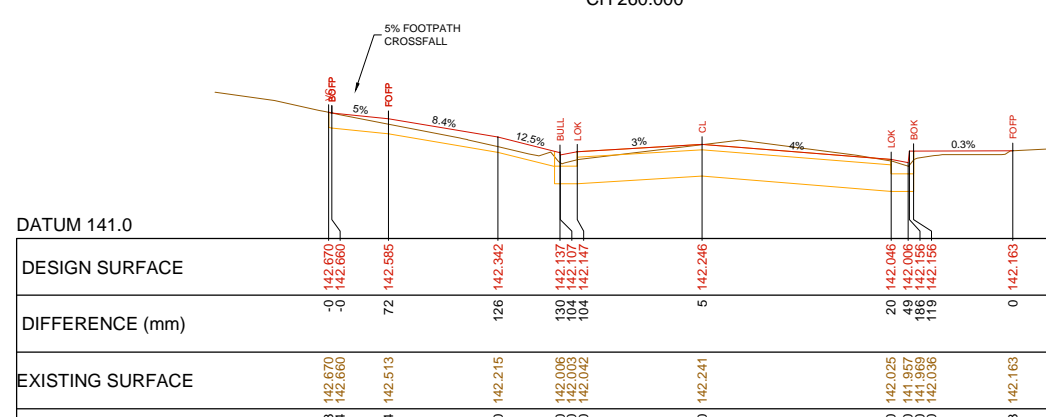
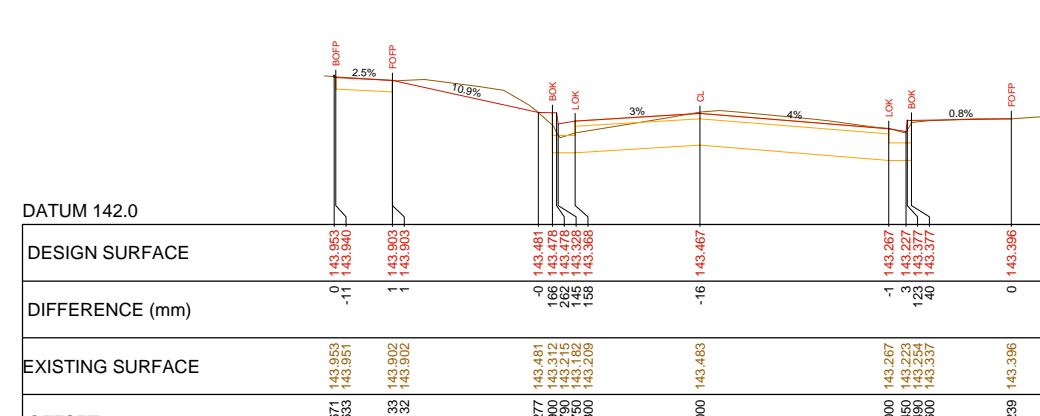
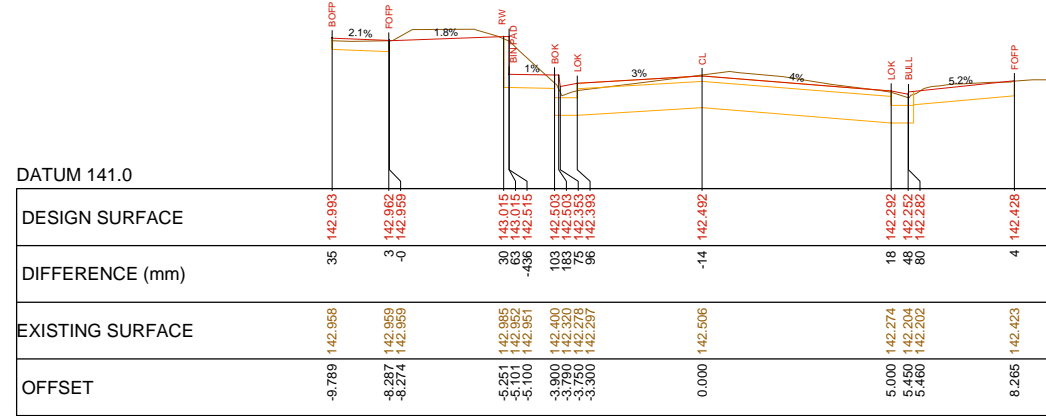
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	41 OF 59
VERSION	08
DWG No.	PC18048-41-08

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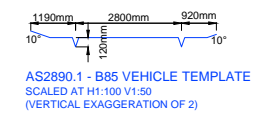


**WARNING**  
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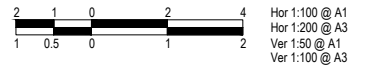


CL - CENTRE LINE  
LOK - LIP OF KERB  
BOK - BACK OF KERB  
BILL - 'BULLNOSE'  
VC - EXISTING DRIVEWAY

FOPP - FRONT OF FOOTPATH  
BOPF - BACK OF FOOTPATH  
RW - TOP OF RETAINING WALL  
INT BREAKLINE - LANE LINE THROUGH INTERSECTION  
BIN PAD - BIN PAD



CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



VER	DESCRIPTION	DATE
08	FOR CONSTRUCTION	23-03-2022
07	FOR CONSTRUCTION	21-02-2022
06	FOR CONSTRUCTION	01-12-2021
05	DETAILED DESIGN - ISSUED FOR REVIEW	06-09-2021
04	DETAILED DESIGN - ISSUED FOR REVIEW	17-02-2021
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02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	03-06-2020
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00	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-02-2020

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CIVIL ENGINEERING DESIGN  
LUKE WHITFIELD  
REGISTERED AND CHARTERED PROFESSIONAL ENGINEER REVIEW  
CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE  
AS SHOWN @ A1

HEIGHT DATUM  
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COORDINATE DATUM  
MGA 94 ZONE 55

SURVEY DATE  
06-2019

AERIAL IMAGE DATE  
19-12-2019

LOCAL GOVERNMENT AREA  
CITY OF MAROONDAH

CLIENT  
Maroondah City Council

CLIENT PROJECT MANAGER / CONTACT  
TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

EASTFIELD ROAD, RINGWOOD EAST

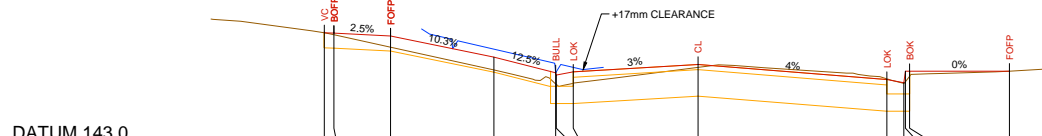
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	42 OF 59
VERSION	08
DWG No.	PC18048-42-08

SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN  
SEEKER UTILITY ENGINEERING '20052-164-UT' (10-03-21)

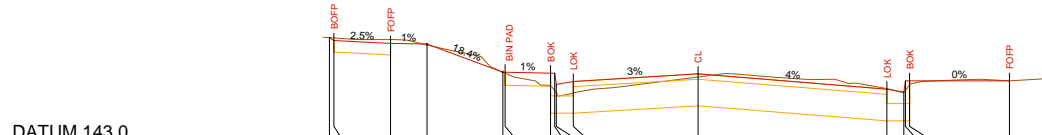


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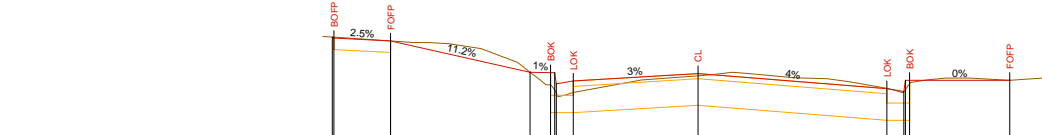
DATUM 143.0	
DESIGN SURFACE	144.512 144.506 144.468 144.188 143.983 143.993 144.092 143.892 143.852 144.002 144.002
DIFFERENCE (mm)	-20 148 170 193 150 41 -10 11 137 67 -0
EXISTING SURFACE	144.512 144.485 144.320 144.018 143.854 143.843 144.051 143.902 143.841 143.864 143.995
OFFSET	-9.883 -9.633 -8.133 -5.400 -3.760 -3.300 0.000 5.000 5.450 5.490 5.600 8.241

VEHICLE CROSSING AT No. 23 CH 285.500



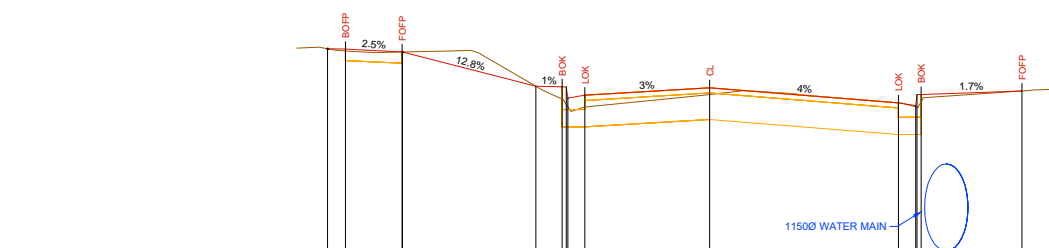
DATUM 143.0	
DESIGN SURFACE	144.422 144.383 144.346 144.336 143.986 143.986 143.954 143.954 143.793 143.722 143.804 143.844 143.743 143.703 143.853 143.853 143.852
DIFFERENCE (mm)	-35 -51 9 0 161 232 109 151 -6 12 25 55 40 -6 12 85 -0
EXISTING SURFACE	144.422 144.416 144.397 144.328 143.986 143.954 143.793 143.722 143.696 143.693 143.844 143.844 143.903 143.749 143.701 143.728 143.798
OFFSET	-9.750 -9.633 -8.133 -7.164 -5.457 -5.100 -3.900 -3.790 -3.750 -3.300 0.000 5.000 5.450 5.490 5.600 8.245

CH 283.000



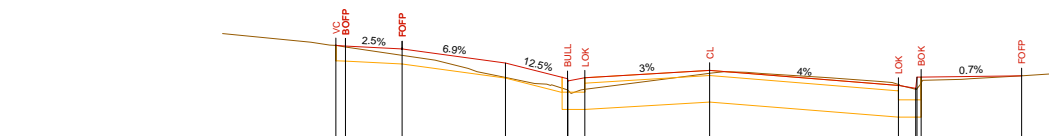
DATUM 142.0	
DESIGN SURFACE	144.512 144.506 144.194 144.194 143.781 143.775 143.614 143.546 143.524 143.524 143.625 143.674 143.764 143.564 143.522 143.552 143.627 143.675
DIFFERENCE (mm)	-12 22 0 0 161 230 119 152 -4 2 47 30 -4 2 47 0
EXISTING SURFACE	144.243 144.194 144.194 143.781 143.614 143.546 143.524 143.524 143.625 143.513 143.735 143.568 143.522 143.552 143.627
OFFSET	-9.883 -9.633 -8.133 -4.437 -3.900 -3.790 -3.750 -3.300 5.000 5.450 5.490 5.600 0.000 5.000 5.450 5.490 5.600 8.251

CH 280.000



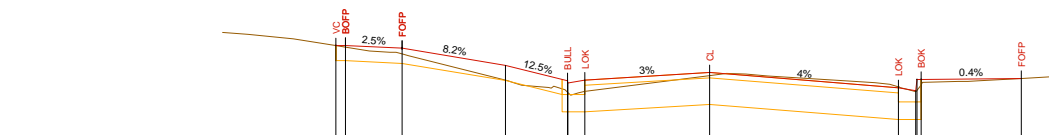
DATUM 142.0	
DESIGN SURFACE	145.023 145.018 144.979 144.979 144.526 144.519 144.519 144.359 144.287 144.359 144.254 144.508 144.308 144.268 144.418 144.418 144.464
DIFFERENCE (mm)	0 23 1 -0 -4.593 161 233 154 -3.900 -3.790 -3.750 -3.300 90 0 13 166 166 -0
EXISTING SURFACE	145.023 144.995 144.979 144.979 144.526 144.519 144.519 144.287 144.287 144.254 144.254 144.419 144.308 144.250 144.250 144.250 144.464
OFFSET	-10.104 -9.633 -8.133 -8.129 -4.593 -3.900 -3.790 -3.750 -3.300 0.000 5.000 5.450 5.490 5.600 8.268

CH 292.494



DATUM 143.0	
DESIGN SURFACE	144.568 144.563 144.525 144.337 144.132 144.132 144.142 144.041 144.001 144.151 144.151 144.241 144.041 144.001 144.151 144.151 144.169
DIFFERENCE (mm)	12 86 189 152 126 151 -13 12 153 74 41 -13 12 153 74 -0
EXISTING SURFACE	144.568 144.551 144.439 144.147 144.006 143.976 143.981 143.891 144.001 143.898 143.898 144.200 144.054 143.898 143.898 143.898
OFFSET	-9.883 -9.633 -8.133 -5.400 -3.760 -3.750 -3.300 5.000 5.450 5.490 5.600 0.000 5.000 5.450 5.490 5.600 8.252

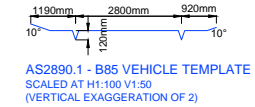
VEHICLE CROSSING AT No. 23 CH 288.000



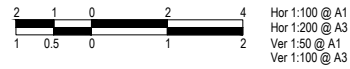
DATUM 143.0	
DESIGN SURFACE	144.538 144.540 144.502 144.277 144.072 144.042 144.082 143.981 143.941 143.941 144.091 144.181 143.981 143.941 143.941 144.102
DIFFERENCE (mm)	22 75 195 150 126 151 41 -12 12 151 41 -12 12 151 72 -0
EXISTING SURFACE	144.538 144.518 144.427 144.082 143.946 143.917 143.931 143.891 143.891 143.891 144.091 144.140 143.981 143.941 143.941 144.102
OFFSET	-9.883 -9.633 -8.133 -5.400 -3.760 -3.750 -3.300 5.000 5.450 5.490 5.600 0.000 5.000 5.450 5.490 5.600 8.248

VEHICLE CROSSING AT No. 23 CH 287.000

CL - CENTRE LINE  
LOK - LIP OF KERB  
BOK - BACK OF KERB  
BULL - 'BULLNOSE'  
VC - EXISTING DRIVEWAY  
FOPP - FRONT OF FOOTPATH  
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RW - TOP OF RETAINING WALL  
INT BREAKLINE - LANE LINE THROUGH INTERSECTION  
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CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



VER	DESCRIPTION	DATE
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MGA 94 ZONE 55

SURVEY DATE  
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AERIAL IMAGE DATE  
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LOCAL GOVERNMENT AREA  
CITY OF MAROONDAH

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CLIENT PROJECT MANAGER / CONTACT  
TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
EASTFIELD ROAD, RINGWOOD EAST

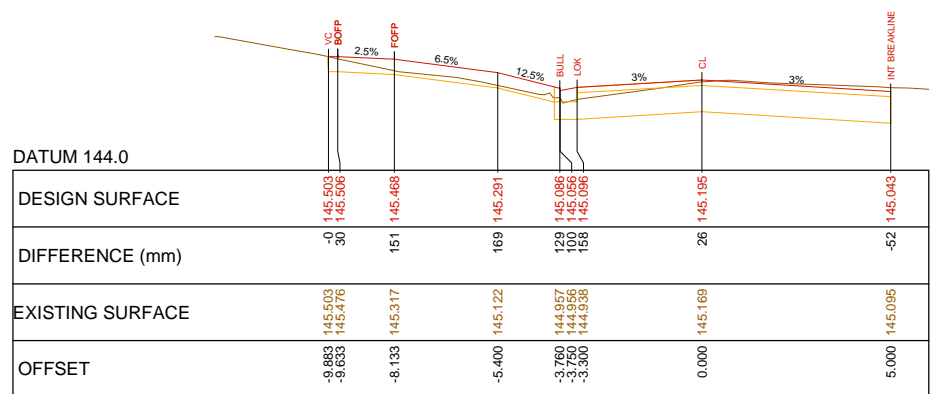
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	43 OF 59
VERSION	08
DWG No.	PC18048-43-08

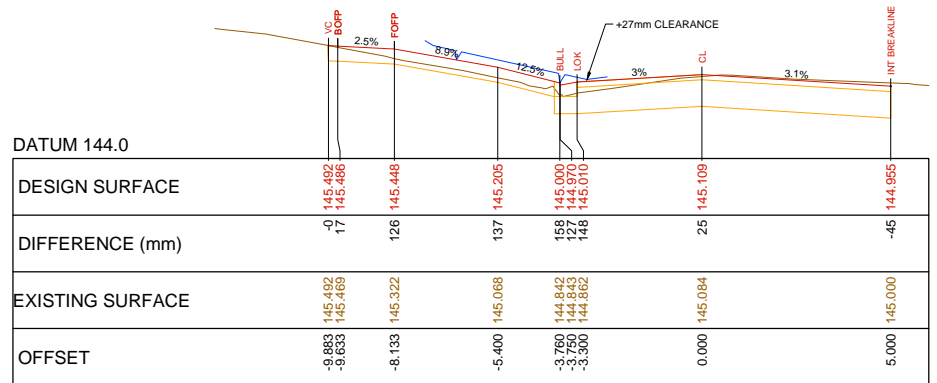
SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN SEEKER UTILITY ENGINEERING '20052-164-UT' (10-03-21)



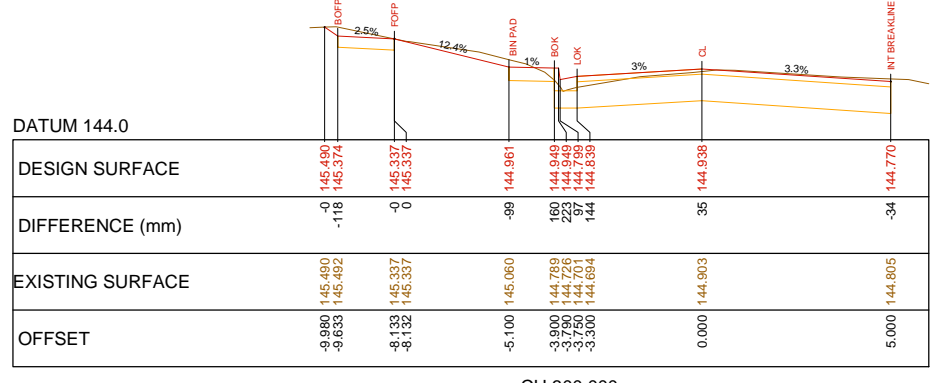
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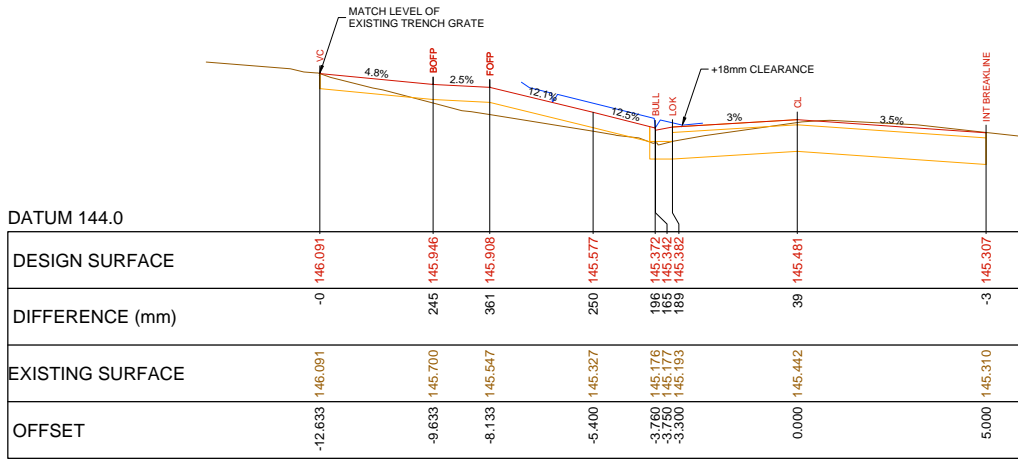
VEHICLE CROSSING AT No. 25 CH 304.500



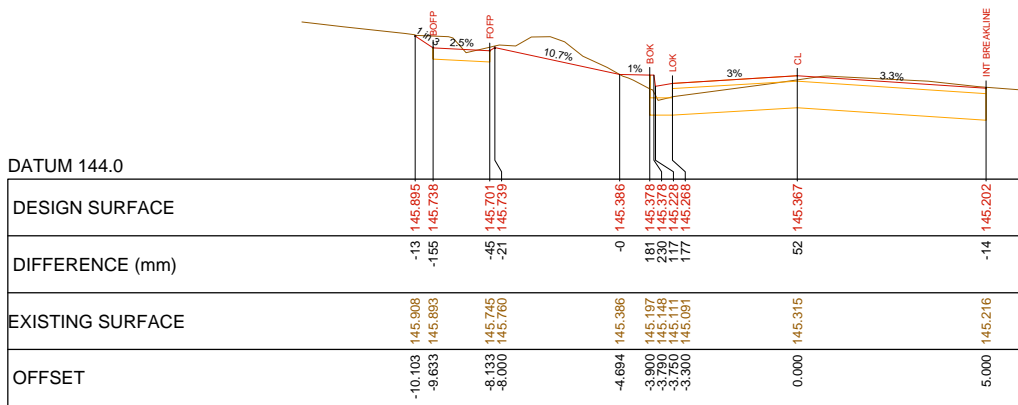
VEHICLE CROSSING AT No. 25 CH 303.000



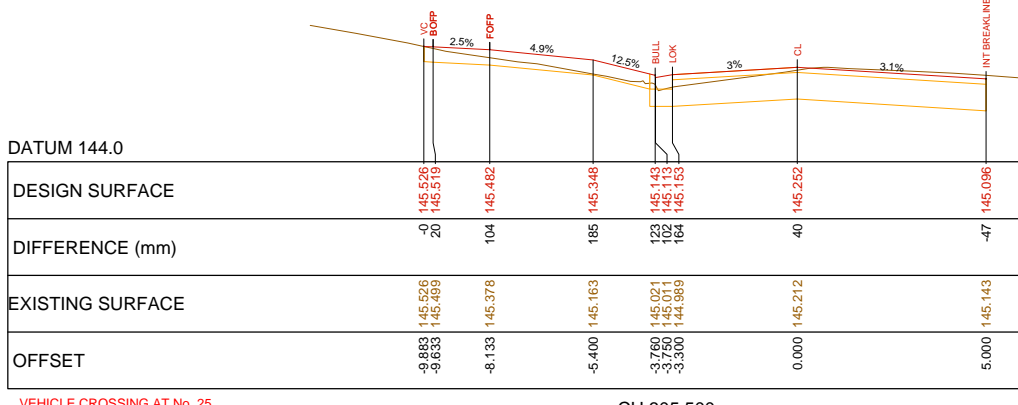
CH 300.000



VEHICLE CROSSING AT No. 27 CH 309.500



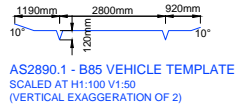
CH 307.500



VEHICLE CROSSING AT No. 25 CH 305.500

CL - CENTRE LINE  
LOK - LIP OF KERB  
BOK - BACK OF KERB  
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CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



VER	DESCRIPTION	DATE
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AHD

COORDINATE DATUM  
MGA 94 ZONE 55

SURVEY DATE  
06-2019

AERIAL IMAGE DATE  
19-12-2019

LOCAL GOVERNMENT AREA  
CITY OF MAROONDAH

CLIENT  
Maroondah City Council

CLIENT PROJECT MANAGER / CONTACT  
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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

EASTFIELD ROAD, RINGWOOD EAST

CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	44 OF 59
VERSION	08
DWG No.	PC18048-44-08

SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN SEEKER UTILITY ENGINEERING '20052-164-UT' (10-03-21)



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DATUM 144.0

DESIGN SURFACE	146.091	146.091	146.097	145.701	145.692	145.692	145.681	145.492
DIFFERENCE (mm)	-14	90	-49	-0	218	268	51	-24
EXISTING SURFACE	146.105	146.001	146.145	145.701	145.474	145.426	145.630	145.516
OFFSET	-10.629	-9.481	-7.854	-4.745	-3.900	-3.750	0.000	5.000

CH 313.000

DATUM 144.0

DESIGN SURFACE	146.054	146.020	145.983	145.681	145.486	145.486	145.595	145.413
DIFFERENCE (mm)	-0	306	379	287	165	169	39	-2
EXISTING SURFACE	146.054	145.714	145.603	145.404	145.321	145.207	145.556	145.415
OFFSET	-12.633	-9.633	-8.133	-5.400	-3.769	-3.300	0.000	5.000

VEHICLE CROSSING AT No. 27

CH 311.500

DATUM 144.0

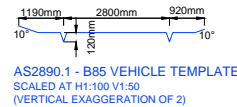
DESIGN SURFACE	146.072	145.983	145.945	145.634	145.235	145.235	145.539	145.360
DIFFERENCE (mm)	-0	300	370	277	171	194	37	1
EXISTING SURFACE	146.072	145.683	145.575	145.358	145.259	145.245	145.502	145.360
OFFSET	-12.633	-9.633	-8.133	-5.400	-3.769	-3.300	0.000	5.000

VEHICLE CROSSING AT No. 27

CH 310.500

CL - CENTRE LINE  
LOK - LIP OF KERB  
BOK - BACK OF KERB  
BULL - 'BULLNOSE'  
VC - EXISTING DRIVEWAY

FOPP - FRONT OF FOOTPATH  
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INT BREAKLINE - LANE LINE THROUGH INTERSECTION  
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DATUM 145.0

DESIGN SURFACE	146.665	146.622	146.274	146.292	146.262	146.192	146.251	146.195
DIFFERENCE (mm)	13	-11	46	196	278	171	35	0
EXISTING SURFACE	146.652	146.633	146.228	146.066	145.985	145.981	146.216	146.195
OFFSET	-9.661	-8.114	-5.100	-3.900	-3.750	-3.300	0.000	8.264

CH 325.000

DATUM 145.0

DESIGN SURFACE	146.405	146.367	146.038	145.827	145.787	145.837	145.976
DIFFERENCE (mm)	-0	37	216	-39	-39	91	0
EXISTING SURFACE	146.405	146.330	145.822	145.866	145.826	145.928	145.976
OFFSET	-8.934	-7.483	-3.900	5.000	5.450	5.600	8.265

CH 320.000

DATUM 145.0

DESIGN SURFACE	146.291	146.286	146.321	145.851	145.841	145.841	145.630	145.756
DIFFERENCE (mm)	-6	-79	-0	222	288	221	0	0
EXISTING SURFACE	146.292	146.321	146.321	145.629	145.553	145.620	145.630	145.756
OFFSET	-8.949	-7.433	-7.215	-4.869	-3.900	-3.750	5.000	8.208

CH 315.596

CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



VER	DESCRIPTION	DATE
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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
EASTFIELD ROAD, RINGWOOD EAST

CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.  
PC18048

SHEET No.  
45 OF 59

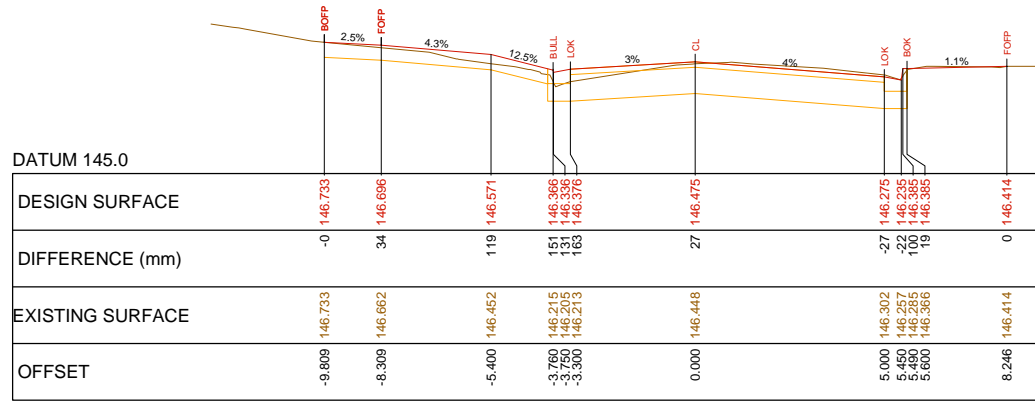
VERSION  
08

DWG No.  
PC18048-45-08

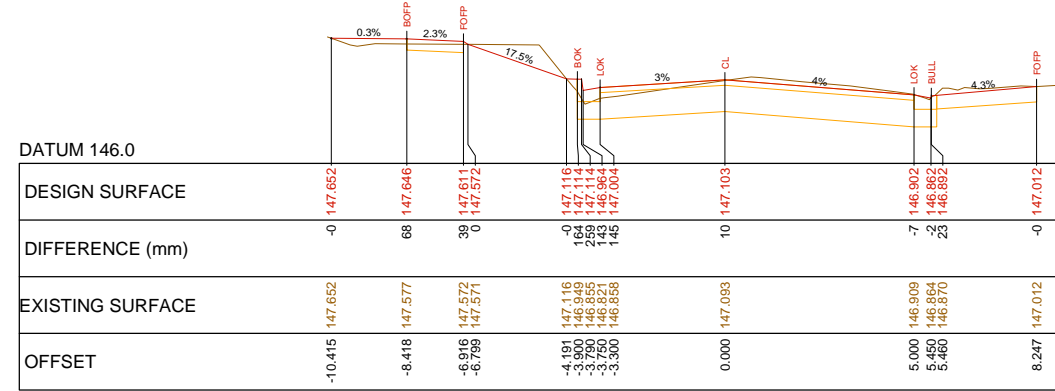
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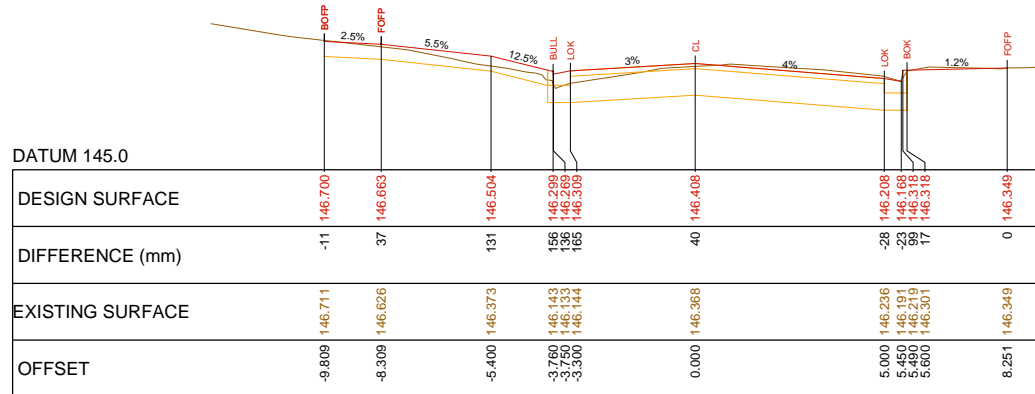
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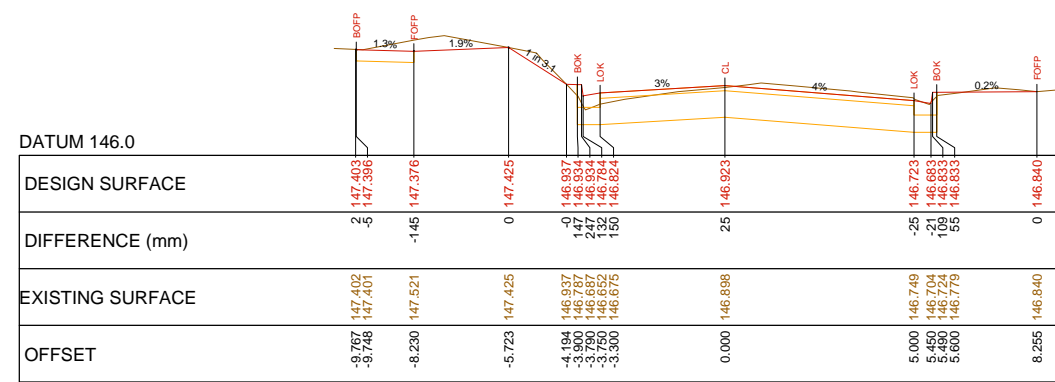
DATUM 145.0  
VEHICLE CROSSING AT No. 29  
CH 330.000



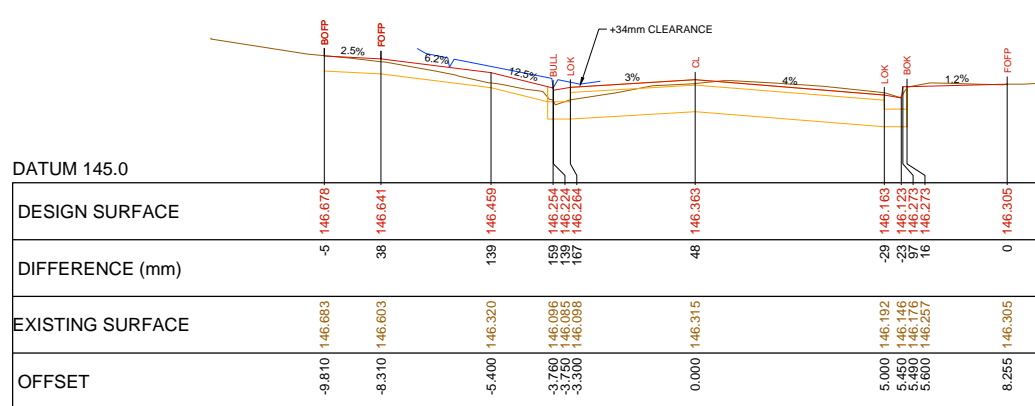
DATUM 146.0  
CH 344.000  
VEHICLE CROSSING AT No. 34



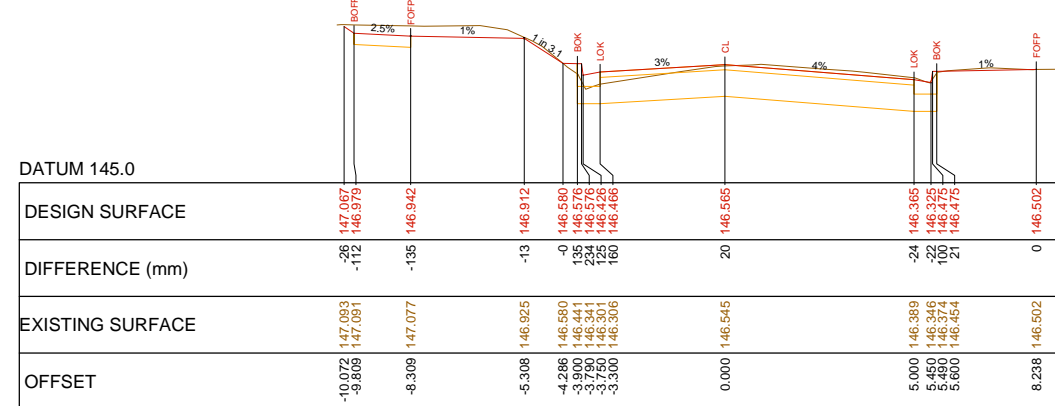
DATUM 145.0  
VEHICLE CROSSING AT No. 29  
CH 328.500



DATUM 146.0  
CH 340.000



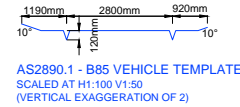
DATUM 145.0  
VEHICLE CROSSING AT No. 29  
CH 327.500



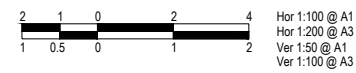
DATUM 145.0  
CH 332.000

CL - CENTRE LINE  
LOK - LIP OF KERB  
BOK - BACK OF KERB  
BULL - 'BULLNOSE'  
VC - EXISTING DRIVEWAY

FOPP - FRONT OF FOOTPATH  
BOFP - BACK OF FOOTPATH  
RW - TOP OF RETAINING WALL  
INT BREAKLINE - LANE LINE THROUGH INTERSECTION  
BIN PAD - BIN PAD



CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



VER	DESCRIPTION	DATE
08	FOR CONSTRUCTION	23-03-2022
07	FOR CONSTRUCTION	21-02-2022
06	FOR CONSTRUCTION	01-12-2021
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ORIGINAL SCALE & SHEET SIZE  
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HEIGHT DATUM  
AHD

COORDINATE DATUM  
MGA 94 ZONE 55

SURVEY DATE  
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AERIAL IMAGE DATE  
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CITY OF MAROONDAH

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TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
EASTFIELD ROAD, RINGWOOD EAST

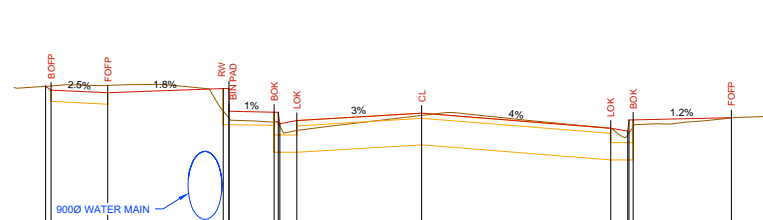
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	46 OF 59
VERSION	08
DWG No.	PC18048-46-08

SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN SEEKER UTILITY ENGINEERING '20052-164-UT' (10-03-21)

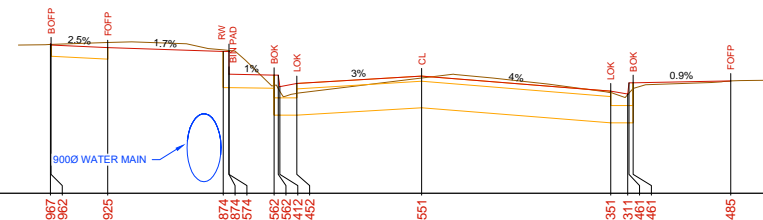


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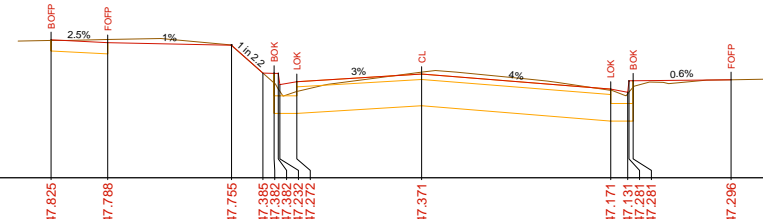
DATUM 146.0	
DESIGN SURFACE	148.039 148.039 147.953 148.008 148.008 147.708 147.693 147.693 147.586 147.485 147.445 147.595 147.626
DIFFERENCE (mm)	-0 -54 -88 285 388 88 101 147.693 150 147.586 147.485 147.445 147.595 0
EXISTING SURFACE	148.039 148.044 148.051 147.713 147.620 147.620 147.693 147.693 147.586 147.480 147.397 147.425 147.503 147.626
OFFSET	-9.950 -9.804 -8.304 -5.951 -5.101 -5.100 -3.900 -3.790 -3.750 -5.000 5.450 5.490 5.600 8.192

CH 357.000



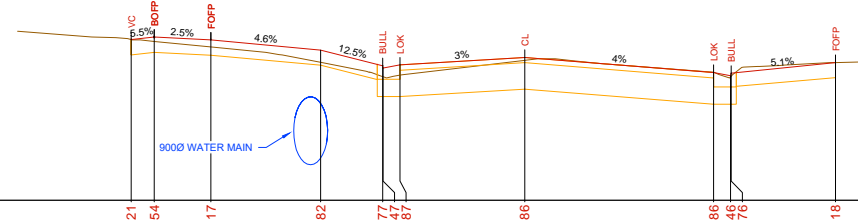
DATUM 146.0	
DESIGN SURFACE	147.987 147.982 147.925 147.874 147.874 147.574 147.652 147.652 147.412 147.351 147.311 147.461 147.485
DIFFERENCE (mm)	0 -5 -67 51 -14 -314 197 147.652 179 147.352 136 147.461 76 0
EXISTING SURFACE	147.987 147.987 147.992 147.686 147.888 147.888 147.435 147.362 147.347 147.331 147.302 147.385 147.485
OFFSET	-9.820 -9.804 -8.304 -5.951 -5.100 -5.100 -3.900 -3.790 -3.750 -5.000 5.450 5.490 5.600 8.175

CH 354.000



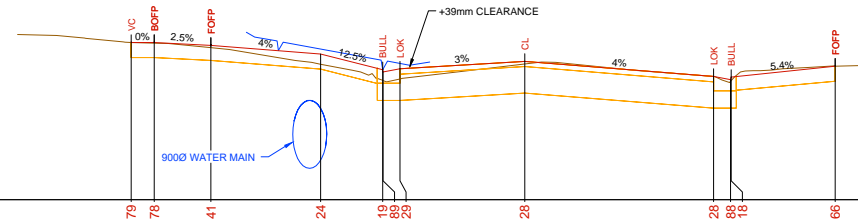
DATUM 146.0	
DESIGN SURFACE	147.825 147.785 147.755 147.711 147.711 147.331 147.331 147.281 147.296
DIFFERENCE (mm)	10 -40 3 -17 22 147.331 147.331 147.281 0
EXISTING SURFACE	147.815 147.827 147.752 147.385 147.382 147.347 147.331 147.281 147.296
OFFSET	-9.805 -8.305 -5.031 -4.201 -3.790 -3.750 -3.300 0.000 5.000 5.450 5.490 5.600 8.190

CH 350.000



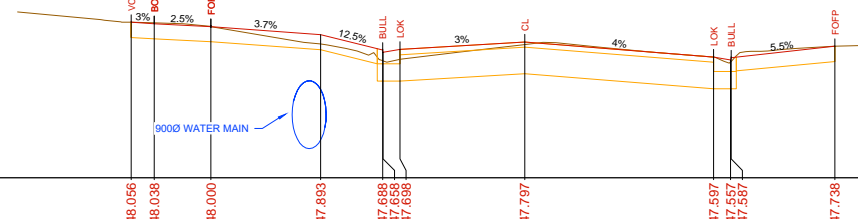
DATUM 146.0	
DESIGN SURFACE	148.121 148.154 148.117 147.982 147.777 147.747 147.787 147.886 147.686 147.646 147.818
DIFFERENCE (mm)	-0 56 92 161 146 117 154 37 -2 42 0
EXISTING SURFACE	148.121 148.099 148.025 147.821 147.632 147.630 147.653 147.849 147.689 147.629 147.818
OFFSET	-10.414 -9.803 -8.303 -5.400 -3.760 -3.750 -3.300 0.000 5.000 5.450 5.460 8.226

VEHICLE CROSSING AT No. 31 CH 361.500 VEHICLE CROSSING AT No. 38



DATUM 146.0	
DESIGN SURFACE	148.079 148.078 148.041 147.924 147.719 147.689 147.729 147.828 147.628 147.588 147.766
DIFFERENCE (mm)	-0 9 31 133 142 114 133 36 -0 42 0
EXISTING SURFACE	148.079 148.070 148.009 147.791 147.577 147.575 147.596 147.792 147.628 147.597 147.766
OFFSET	-10.414 -9.803 -8.303 -5.400 -3.760 -3.750 -3.300 0.000 5.000 5.450 5.460 8.214

VEHICLE CROSSING AT No. 31 CH 360.194

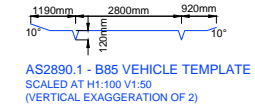


DATUM 146.0	
DESIGN SURFACE	148.056 148.038 148.000 147.893 147.689 147.658 147.686 147.797 147.597 147.557 147.738
DIFFERENCE (mm)	-0 -10 -0 125 140 112 133 35 1 23 46 0
EXISTING SURFACE	148.056 148.047 148.000 147.768 147.548 147.546 147.566 147.762 147.596 147.534 147.738
OFFSET	-10.414 -9.803 -8.303 -5.400 -3.760 -3.750 -3.300 0.000 5.000 5.450 5.460 8.208

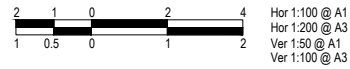
VEHICLE CROSSING AT No. 31 CH 359.500 VEHICLE CROSSING AT No. 36

CL - CENTRE LINE  
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INT BREAKLINE - LANE LINE THROUGH INTERSECTION  
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CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
EASTFIELD ROAD, RINGWOOD EAST

CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.  
PC18048

SHEET No.  
47 OF 59

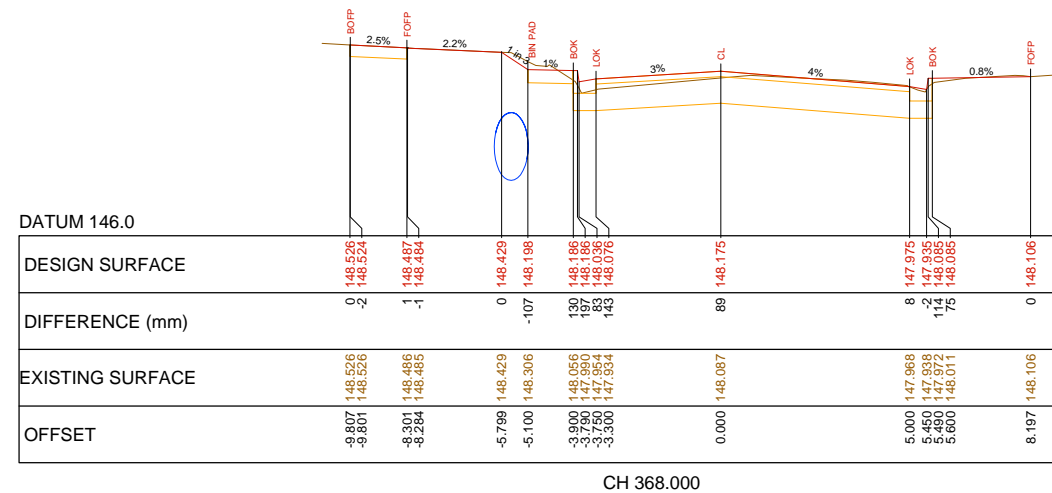
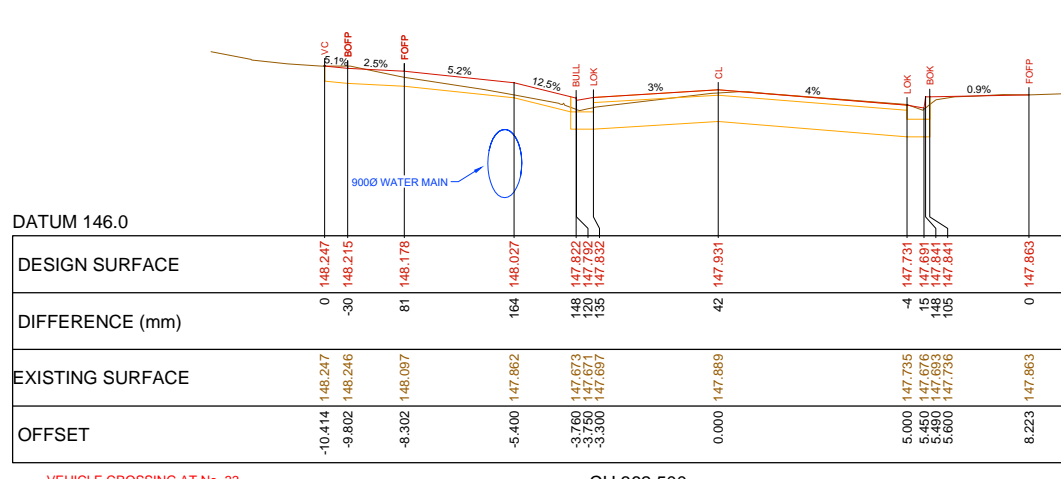
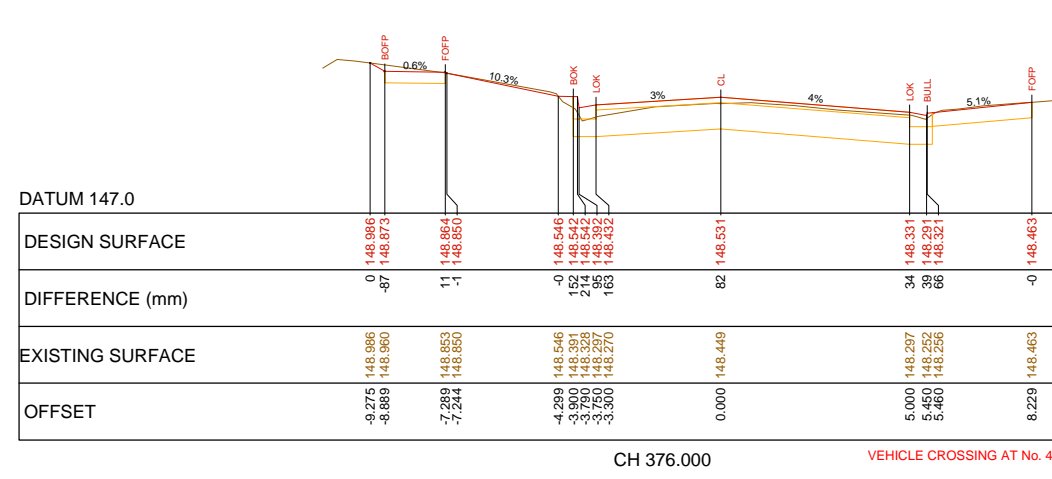
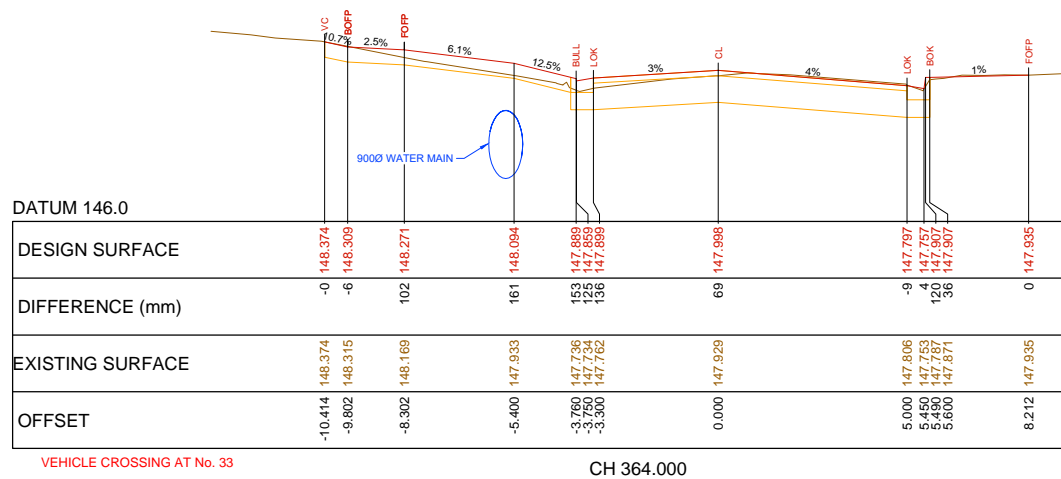
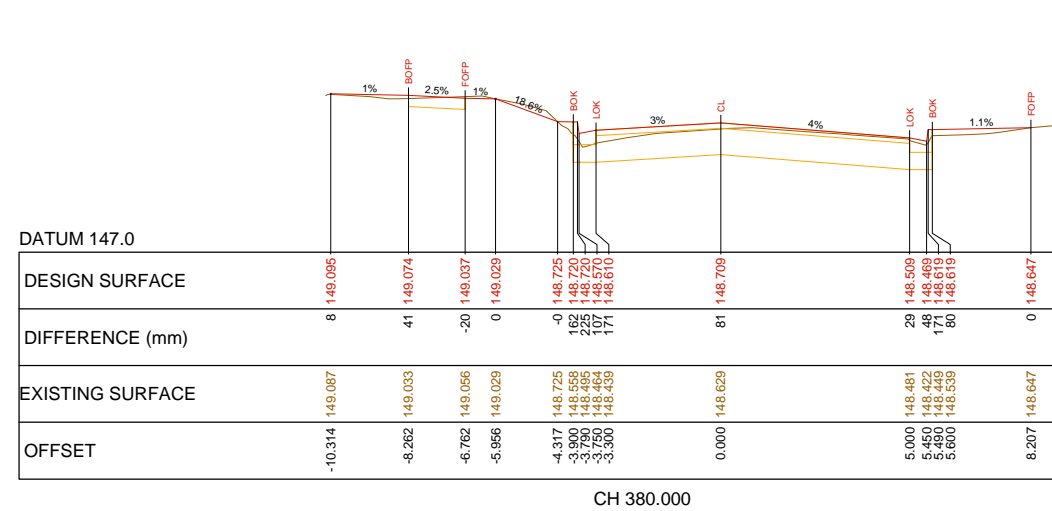
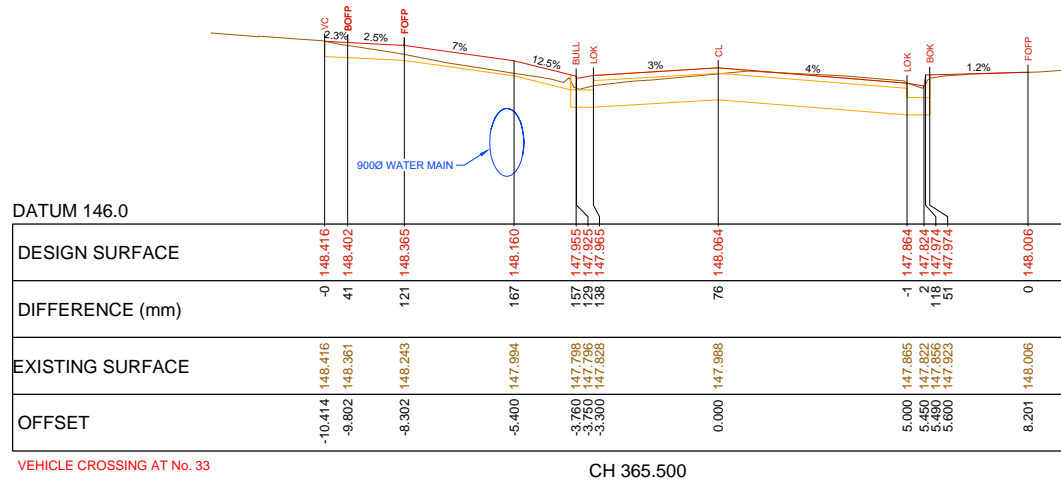
VERSION  
08

DWG No.  
PC18048-47-08

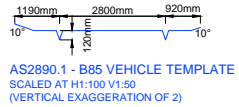
SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN SEEKER UTILITY ENGINEERING "20052-164-UT" (10-03-21)



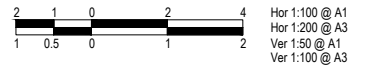
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CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
EASTFIELD ROAD, RINGWOOD EAST

CROSS-SECTIONS - CENTRELINE 'A'

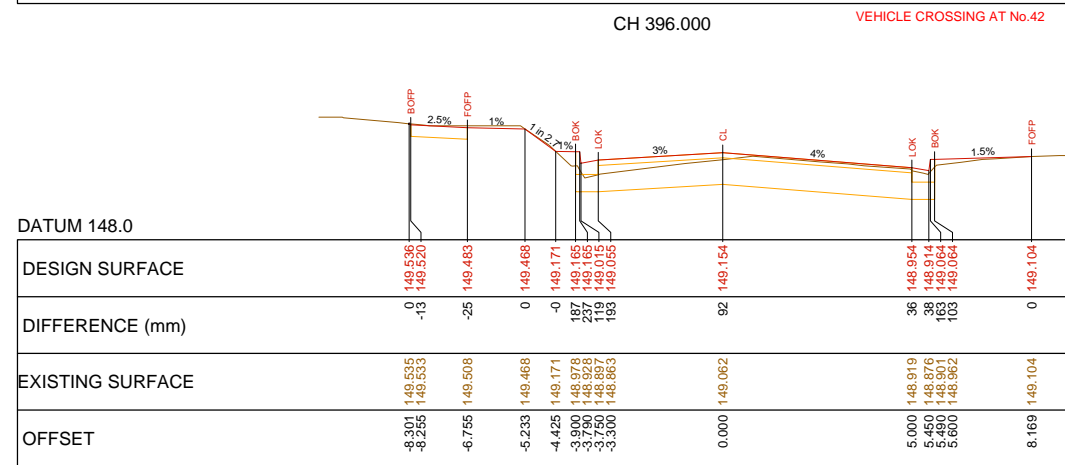
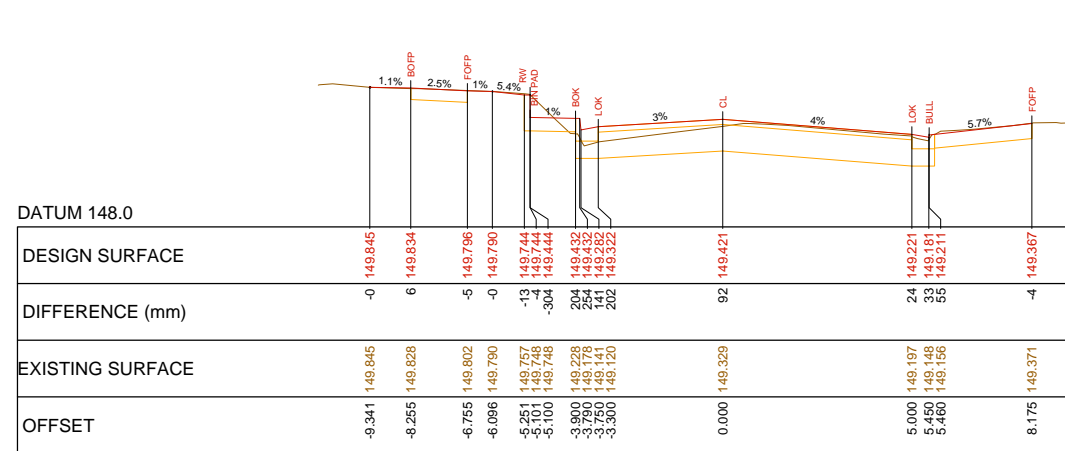
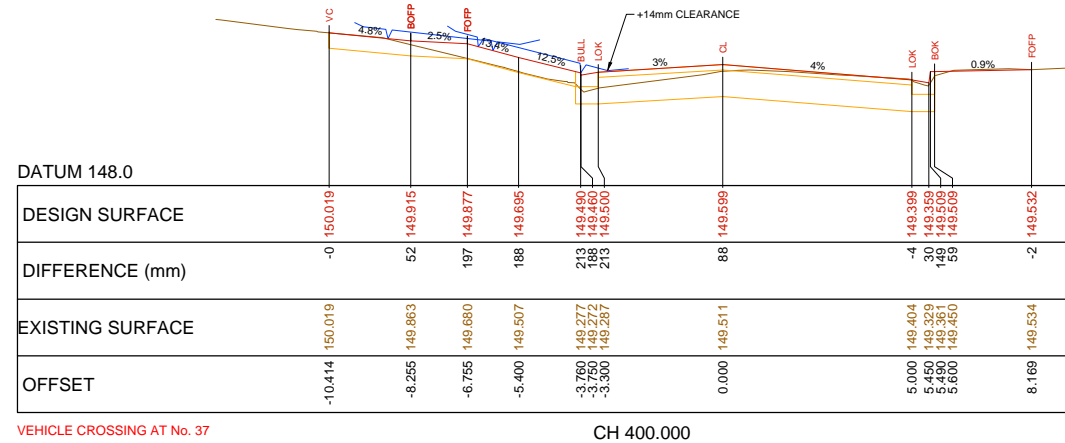
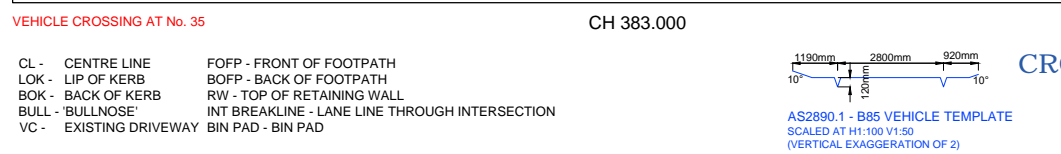
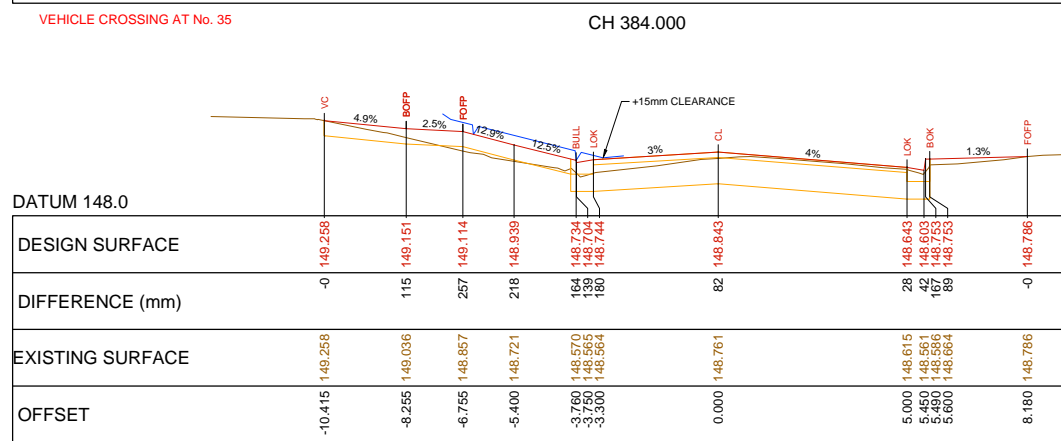
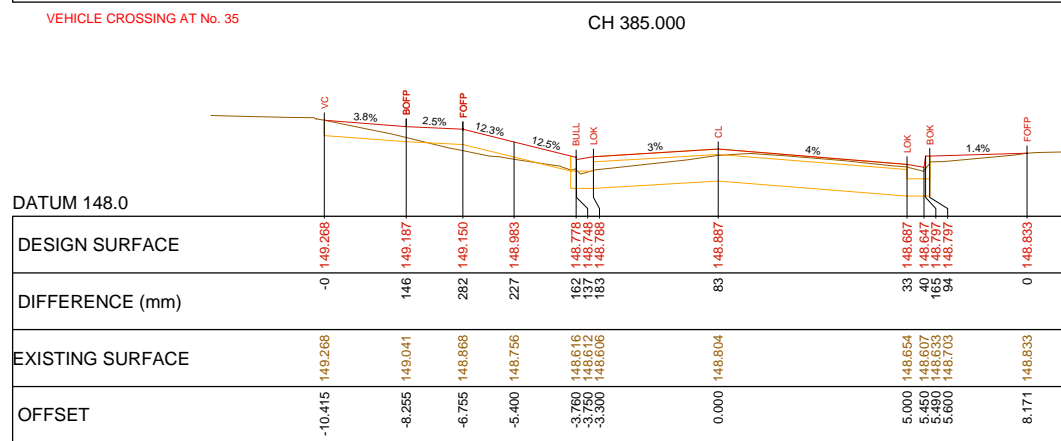
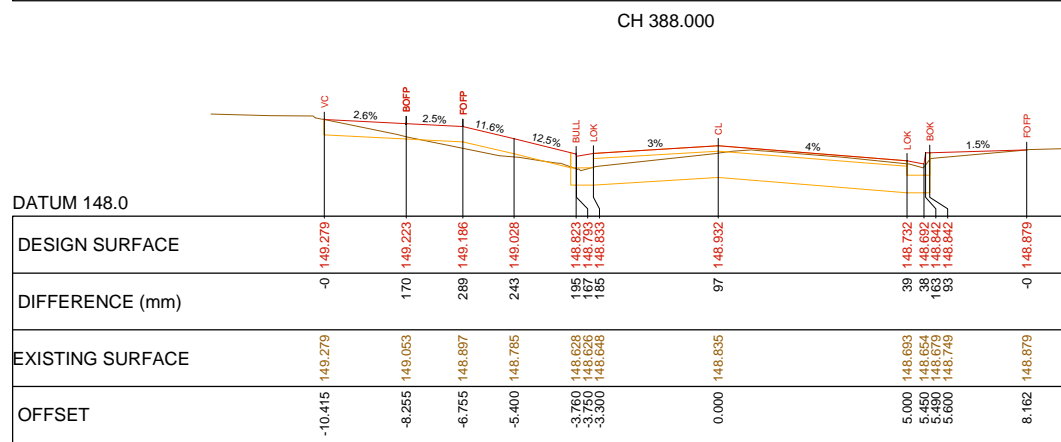
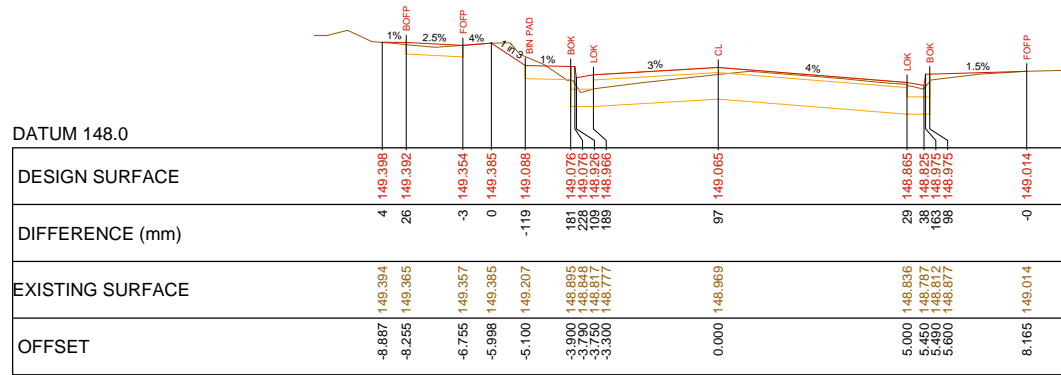
PROJECT No.	PC18048
SHEET No.	48 OF 59
VERSION	08
DWG No.	PC18048-48-08



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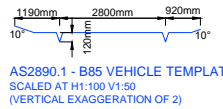


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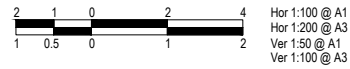


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CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
EASTFIELD ROAD, RINGWOOD EAST

CROSS-SECTIONS - CENTRELINE 'A'

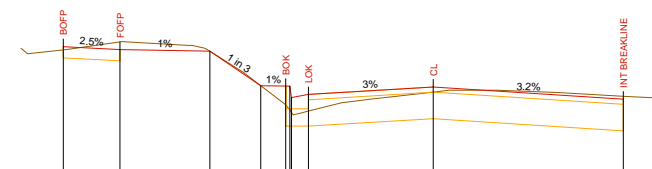
PROJECT No.	PC18048
SHEET No.	49 OF 59
VERSION	08
DWG No.	PC18048-49-08



SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN  
SEEKER UTILITY ENGINEERING '20052-164-UT' (10-03-21)

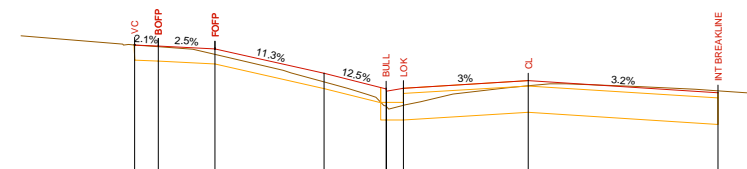


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DATUM 149.0	
DESIGN SURFACE	42 151.182
DIFFERENCE (mm)	-100 151.144
EXISTING SURFACE	-5.905 151.120
OFFSET	5.029 150.525

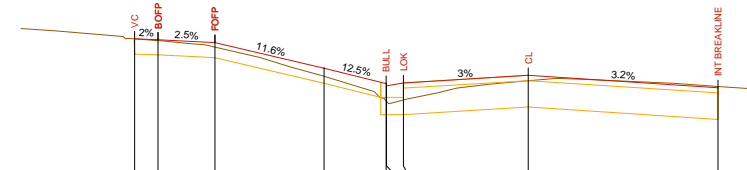
CH 425.000



DATUM 149.0	
DESIGN SURFACE	-0 150.961
DIFFERENCE (mm)	10 150.947
EXISTING SURFACE	-8.288 150.835
OFFSET	5.021 150.355

VEHICLE CROSSING AT No. 39

CH 421.000



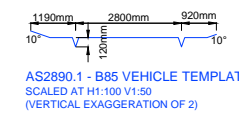
DATUM 149.0	
DESIGN SURFACE	-0 150.931
DIFFERENCE (mm)	11 150.916
EXISTING SURFACE	-8.289 150.822
OFFSET	5.019 150.303

VEHICLE CROSSING AT No. 39

CH 420.000

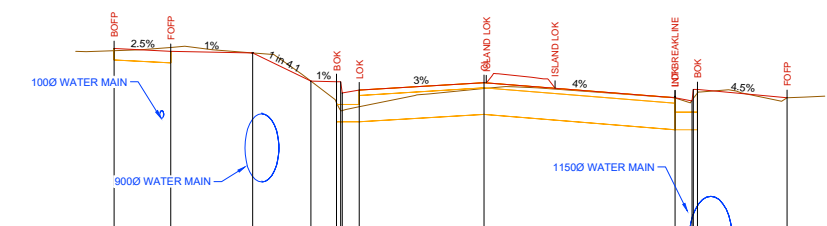
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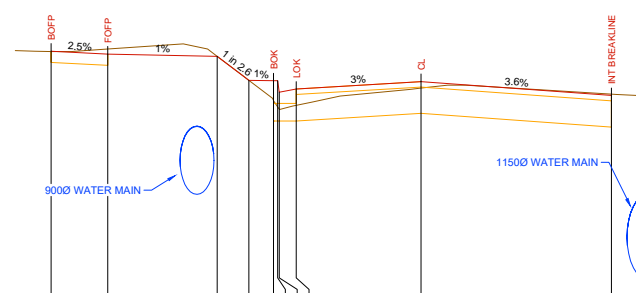
DATUM 148.0	
DESIGN SURFACE	-3 151.633
DIFFERENCE (mm)	-23 151.595
EXISTING SURFACE	-7.751 151.612
OFFSET	5.089 150.939

CH 437.500



DATUM 148.0	
DESIGN SURFACE	29 151.464
DIFFERENCE (mm)	-53 151.426
EXISTING SURFACE	-6.122 151.407
OFFSET	5.049 150.812

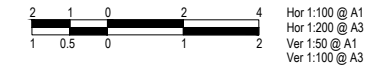
CH 434.200



DATUM 148.0	
DESIGN SURFACE	3 151.248
DIFFERENCE (mm)	-66 151.211
EXISTING SURFACE	-5.393 151.182
OFFSET	5.040 150.683

CH 430.000

CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



VER	DESCRIPTION	DATE
08	FOR CONSTRUCTION	23-03-2022
07	FOR CONSTRUCTION	21-02-2022
06	FOR CONSTRUCTION	01-12-2021
05	DETAILED DESIGN - ISSUED FOR REVIEW	06-09-2021
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03	DETAILED DESIGN - ISSUED FOR REVIEW	20-11-2020
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	03-06-2020
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	15-05-2020
00	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-02-2020

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CIVIL ENGINEERING DESIGN  
LUKE WHITFIELD  
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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  
06-2019

AERIAL IMAGE DATE  
19-12-2019

LOCAL GOVERNMENT AREA  
CITY OF MAROONDAH

CLIENT  
Maroondah City Council

CLIENT PROJECT MANAGER / CONTACT  
TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

EASTFIELD ROAD, RINGWOOD EAST

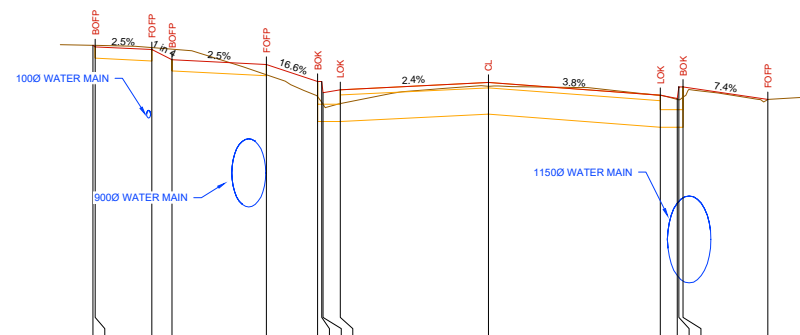
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	51 OF 59
VERSION	08
DWG No.	PC18048-51-08



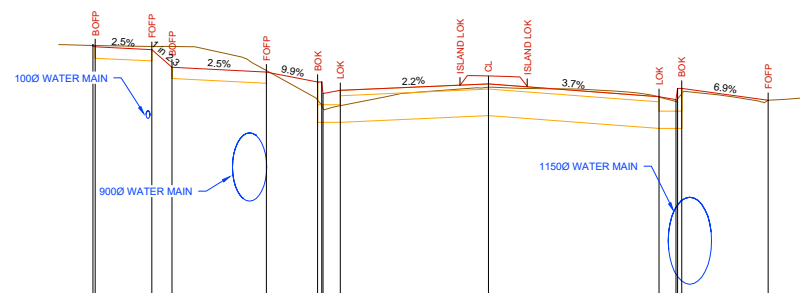
**WARNING**  
BEWARE OF UNDERGROUND SERVICES  
THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN  
SEEKER UTILITY ENGINEERING "20052-164-UT" (10-03-21)



DATUM 148.0	
DESIGN SURFACE	0 151.847 -18 151.829 -27 151.791 -139 151.659 137 151.596 201 151.372 275 151.372 154 151.222 183 151.262
DIFFERENCE (mm)	0 -18 -27 -139 137 201 275 154 183
EXISTING SURFACE	-10.460 151.847 -10.404 151.847 -8.904 151.818 -8.371 151.798 -5.871 151.459 -4.520 151.170 -4.410 151.096 -4.370 151.098 -3.920 151.076
OFFSET	-10.460 151.847 -10.404 151.847 -8.904 151.818 -8.371 151.798 -5.871 151.459 -4.520 151.170 -4.410 151.096 -4.370 151.098 -3.920 151.076

CH 445.000

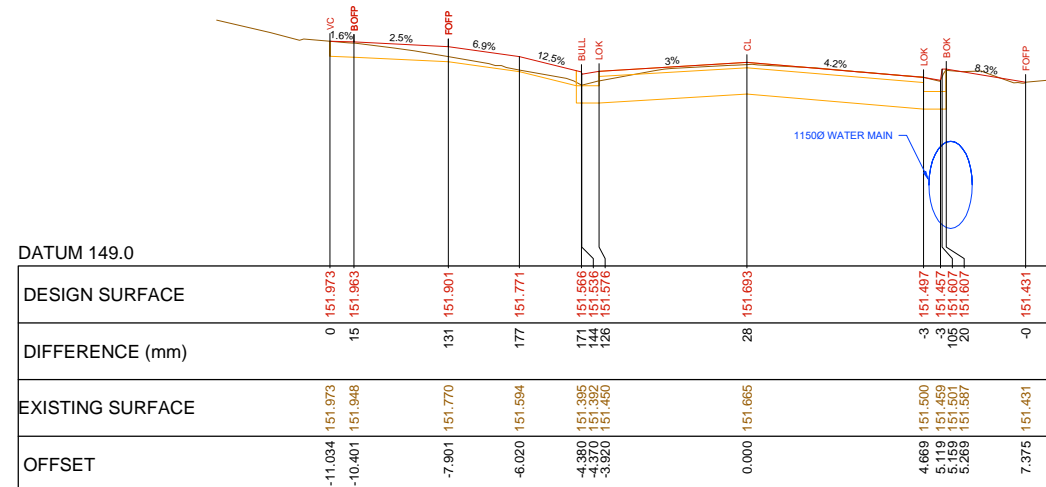
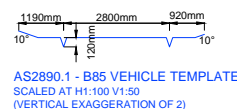


DATUM 148.0	
DESIGN SURFACE	0 151.763 -19 151.743 -43 151.706 -273 151.473 -20 151.410 234 151.276 308 151.276 196 151.126 201 151.166
DIFFERENCE (mm)	0 -19 -43 -273 -20 234 308 196 201
EXISTING SURFACE	-10.463 151.763 -10.405 151.762 -8.905 151.749 -8.371 151.746 -5.871 151.430 -4.520 151.042 -4.410 150.968 -4.370 150.930 -3.920 150.966
OFFSET	-10.463 151.763 -10.405 151.762 -8.905 151.749 -8.371 151.746 -5.871 151.430 -4.520 151.042 -4.410 150.968 -4.370 150.930 -3.920 150.966

CH 442.000

CL - CENTRE LINE  
LOK - LIP OF KERB  
BOK - BACK OF KERB  
BULL - 'BULLNOSE'  
VC - EXISTING DRIVEWAY

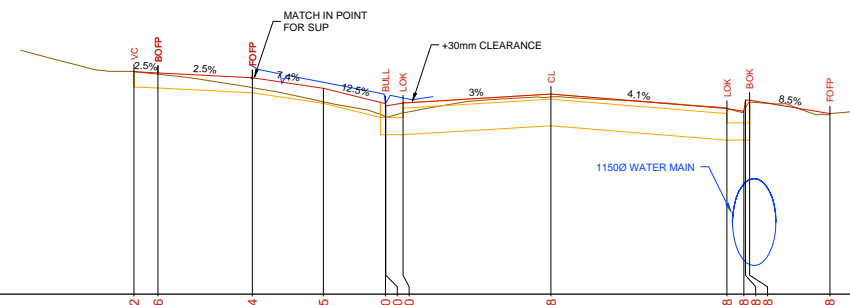
FOPP - FRONT OF FOOTPATH  
BOFP - BACK OF FOOTPATH  
RW - TOP OF RETAINING WALL  
INT - BREAKLINE - LANE LINE THROUGH INTERSECTION  
BIN PAD - BIN PAD



DATUM 149.0	
DESIGN SURFACE	0 151.973 15 151.963 131 151.901 177 151.771 171 151.566 144 151.576 126 151.576 28 151.693 -3 151.497 -3 151.457 10 151.607 20 151.607
DIFFERENCE (mm)	0 15 131 177 171 144 126 28 -3 -3 10 20
EXISTING SURFACE	-11.034 151.973 -10.401 151.948 -7.901 151.770 -6.020 151.694 -4.390 151.395 -4.390 151.395 -3.920 151.450
OFFSET	-11.034 151.973 -10.401 151.948 -7.901 151.770 -6.020 151.694 -4.390 151.395 -4.390 151.395 -3.920 151.450

VEHICLE CROSSING AT No. 41

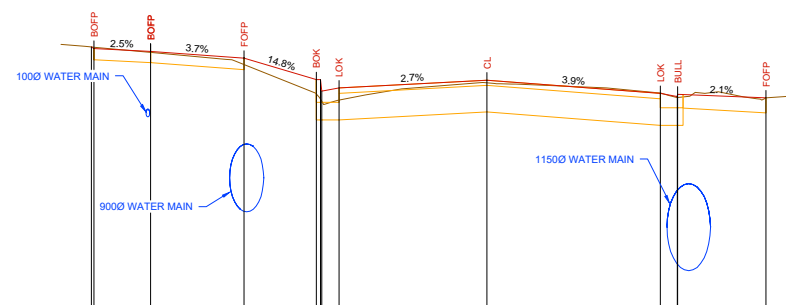
CH 455.000



DATUM 149.0	
DESIGN SURFACE	0 151.942 17 151.926 132 151.864 180 151.725 172 151.520 144 151.550 131 151.550 39 151.648 -2 151.458 -2 151.418 10 151.568 28 151.568
DIFFERENCE (mm)	0 17 132 180 172 144 131 39 -2 -2 10 28
EXISTING SURFACE	-11.034 151.942 -10.403 151.909 -7.903 151.732 -6.020 151.545 -4.390 151.349 -4.390 151.399 -3.920 151.399
OFFSET	-11.034 151.942 -10.403 151.909 -7.903 151.732 -6.020 151.545 -4.390 151.349 -4.390 151.399 -3.920 151.399

VEHICLE CROSSING AT No. 41

CH 453.500

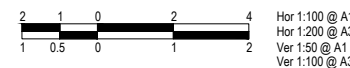


DATUM 148.0	
DESIGN SURFACE	0 151.900 -18 151.879 14 151.842 84 151.750 188 151.467 255 151.467 188 151.317 161 151.357 37 151.461 -8 151.264 10 151.274 43 151.274
DIFFERENCE (mm)	0 -18 14 84 188 255 188 161 37 -8 10 43
EXISTING SURFACE	-10.467 151.900 -10.404 151.897 -8.904 151.828 -6.431 151.667 -4.520 151.279 -4.410 151.212 -4.370 151.179 -3.920 151.196
OFFSET	-10.467 151.900 -10.404 151.897 -8.904 151.828 -6.431 151.667 -4.520 151.279 -4.410 151.212 -4.370 151.179 -3.920 151.196

VEHICLE CROSSING AT No.44

CH 448.000

CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



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SURVEY DATE  
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AERIAL IMAGE DATE  
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CLIENT PROJECT MANAGER / CONTACT  
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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
EASTFIELD ROAD, RINGWOOD EAST

CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.  
PC18048

SHEET No.  
52 OF 59

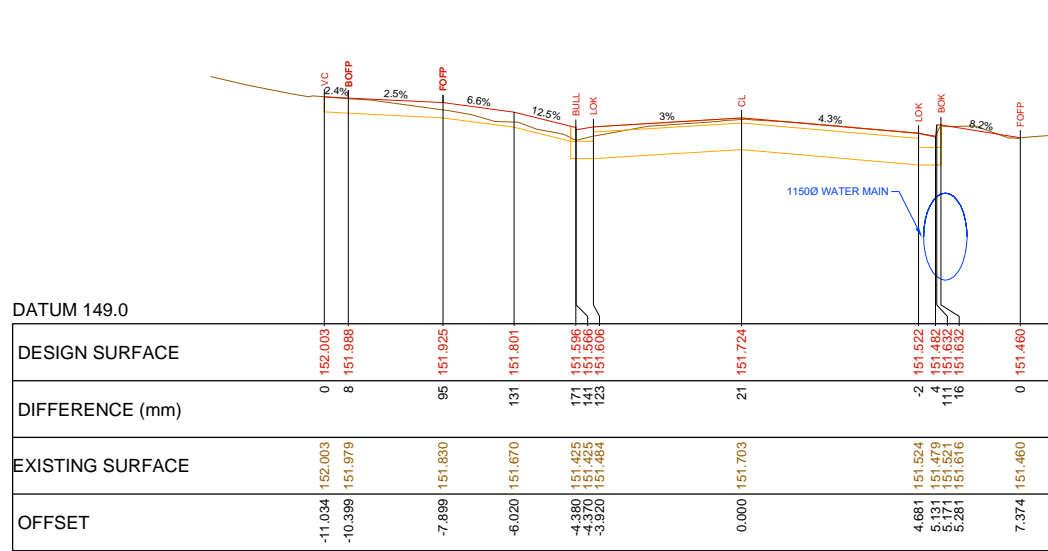
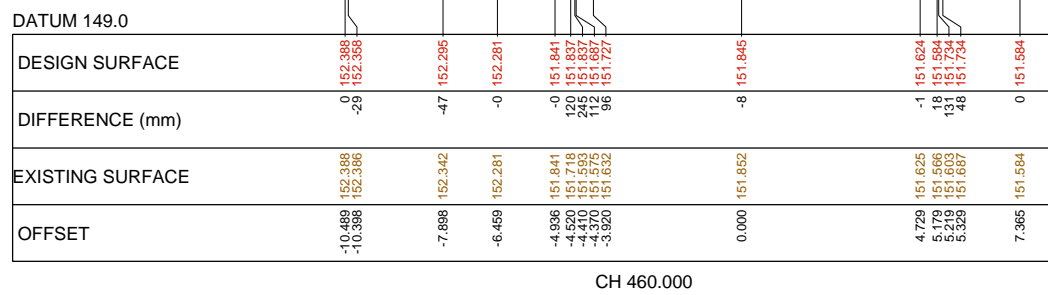
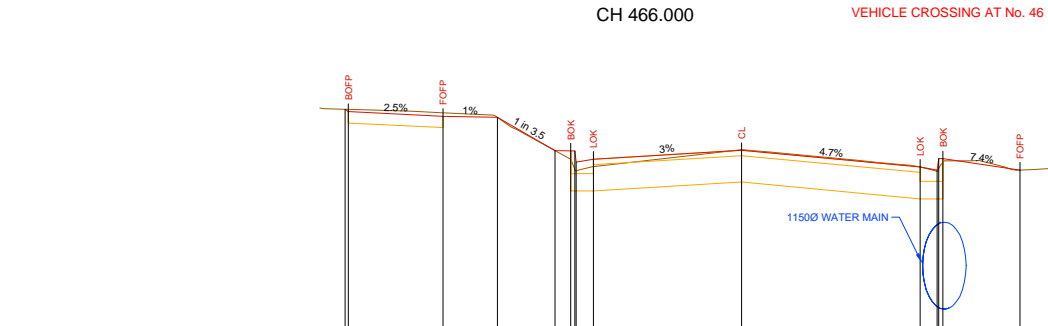
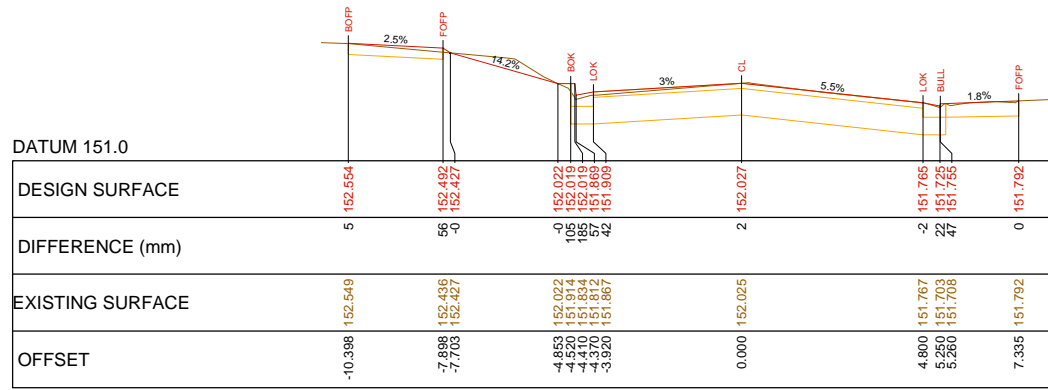
VERSION  
08

DWG No.  
PC18048-52-08

SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN SEEKER UTILITY ENGINEERING '20052-164-UT' (10-03-21)



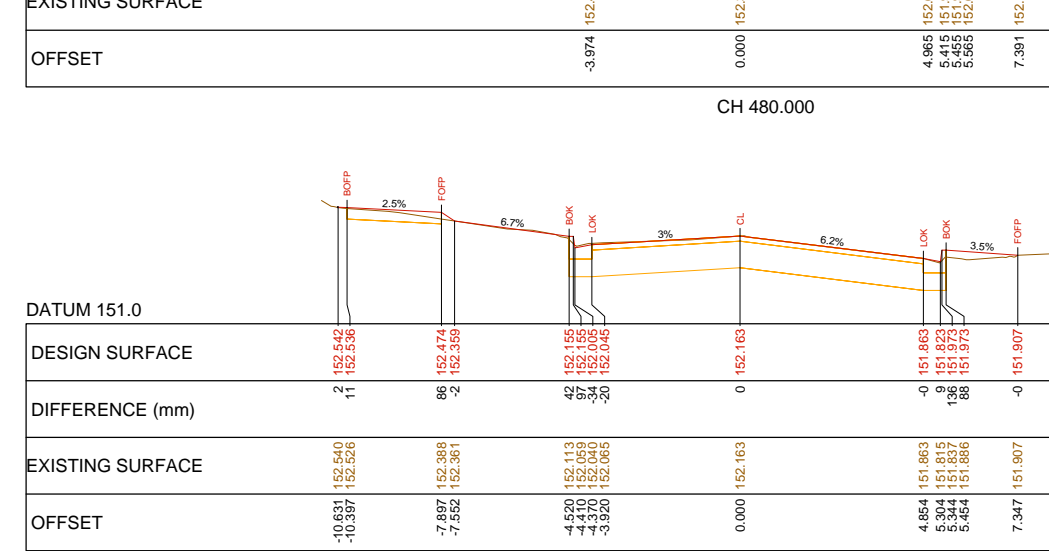
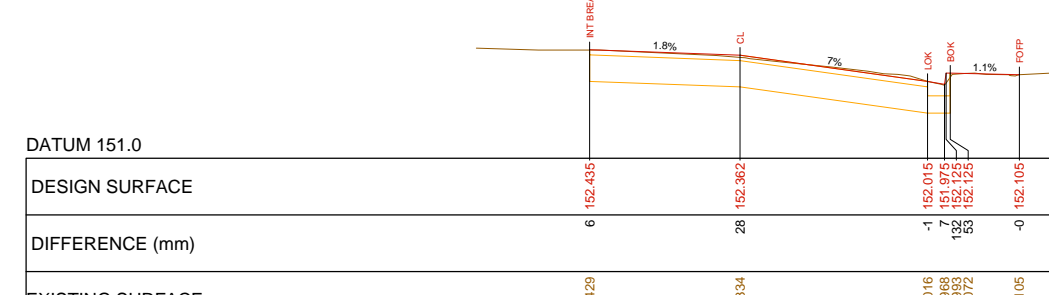
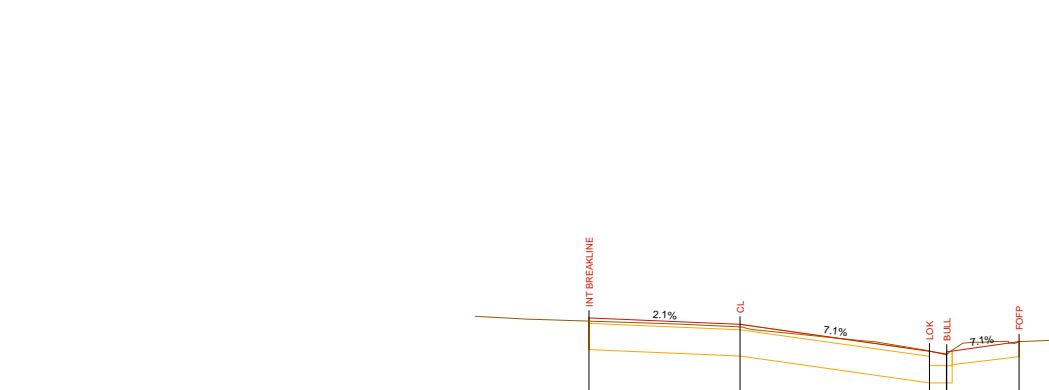
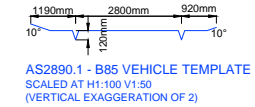
**WARNING**  
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VEHICLE CROSSING AT No. 41 CH 456.000

CL - CENTRE LINE  
LOK - LIP OF KERB  
BOK - BACK OF KERB  
BULL - 'BULLNOSE'  
VC - EXISTING DRIVEWAY

FOPP - FRONT OF FOOTPATH  
BOFP - BACK OF FOOTPATH  
RW - TOP OF RETAINING WALL  
INT BREAKLINE - LANE LINE THROUGH INTERSECTION  
BIN PAD - BIN PAD



VEHICLE CROSSING AT No. 48 CH 484.000

CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'

2 1 0 2 4  
1 0.5 1 2  
Hor 1:100 @ A1  
Hor 1:200 @ A3  
Ver 1:50 @ A1  
Ver 1:100 @ A3

08	FOR CONSTRUCTION	23-03-2022
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02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	03-06-2020
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	15-05-2020
00	FUNCTIONAL DESIGN - ISSUED FOR REVIEW	28-02-2020
VER	DESCRIPTION	DATE

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CHRIS PROCTOR

ORIENTATION

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ORIGINAL SCALE & SHEET SIZE  
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HEIGHT DATUM  
AHD

COORDINATE DATUM  
MGA 94 ZONE 55

SURVEY DATE  
06-2019

AERIAL IMAGE DATE  
19-12-2019

LOCAL GOVERNMENT AREA  
CITY OF MAROONDAH

CLIENT  
Maroondah City Council

CLIENT PROJECT MANAGER / CONTACT  
TOM DOBSON | MAROONDAH CITY COUNCIL

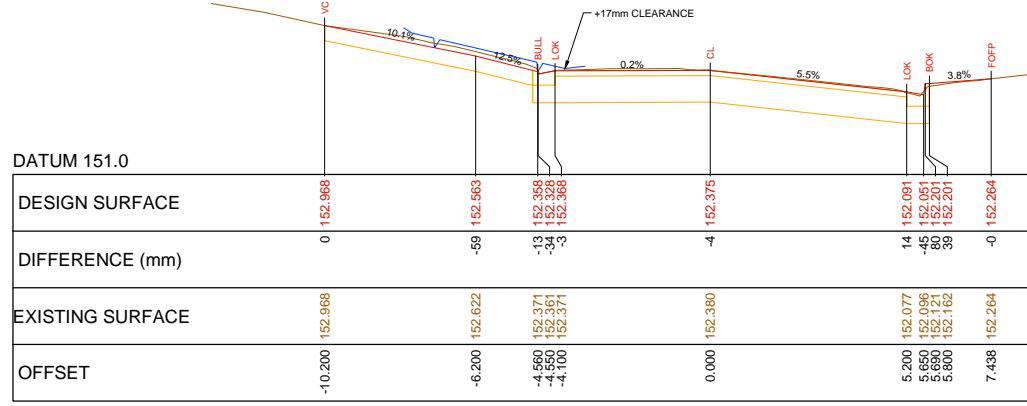
**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
EASTFIELD ROAD, RINGWOOD EAST

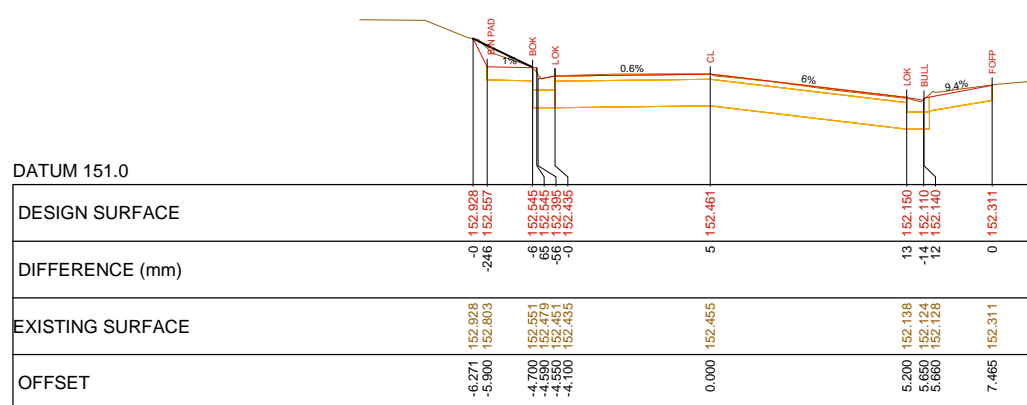
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No. PC18048  
SHEET No. 53 OF 59  
VERSION 08  
DWG No. PC18048-53-08

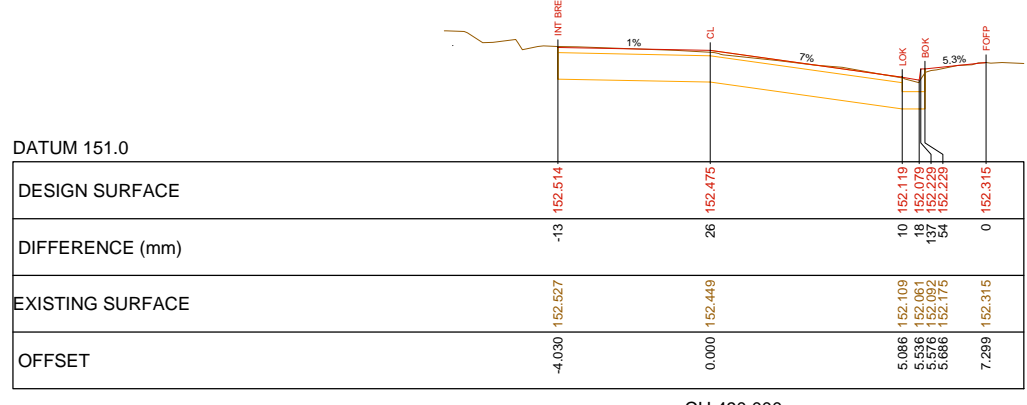
SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN SEEKER UTILITY ENGINEERING "20052-164-UT" (10-03-21)



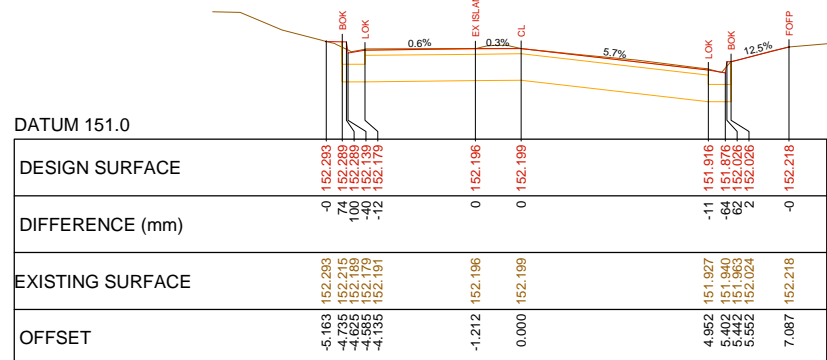
VEHICLE CROSSING AT No. 47 CH 510.500



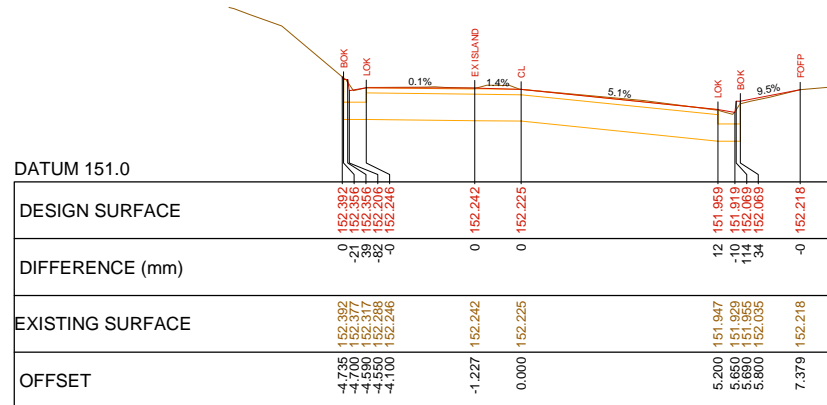
VEHICLE CROSSING AT No. 50 CH 502.358



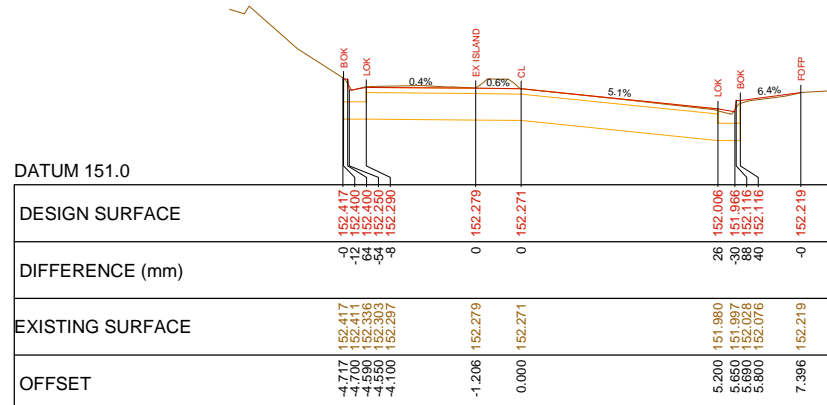
CH 490.000



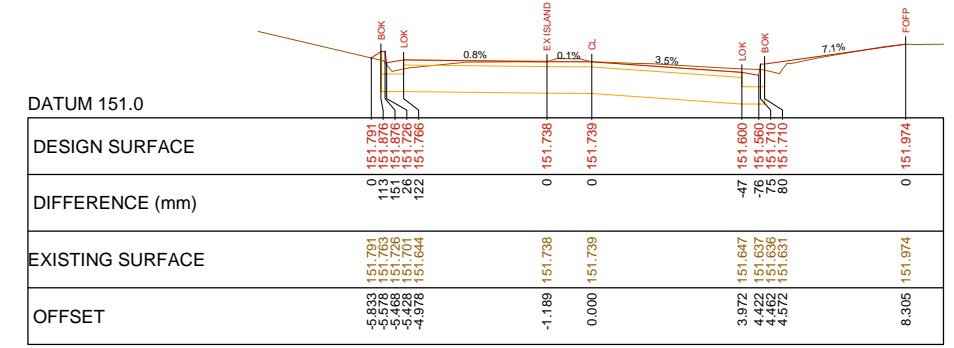
CH 530.000



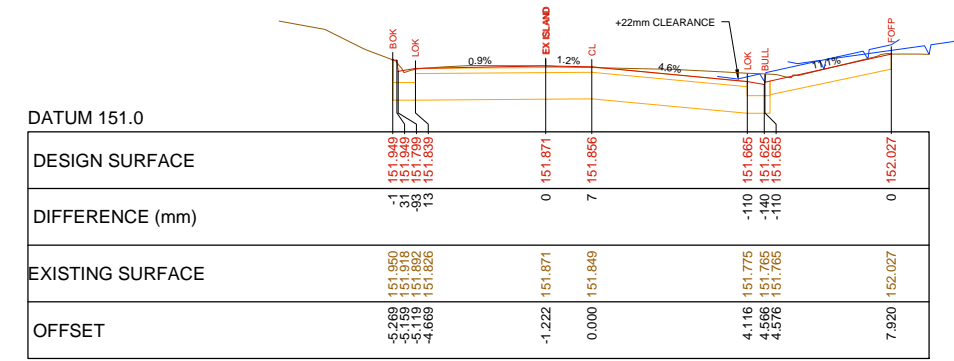
CH 525.299



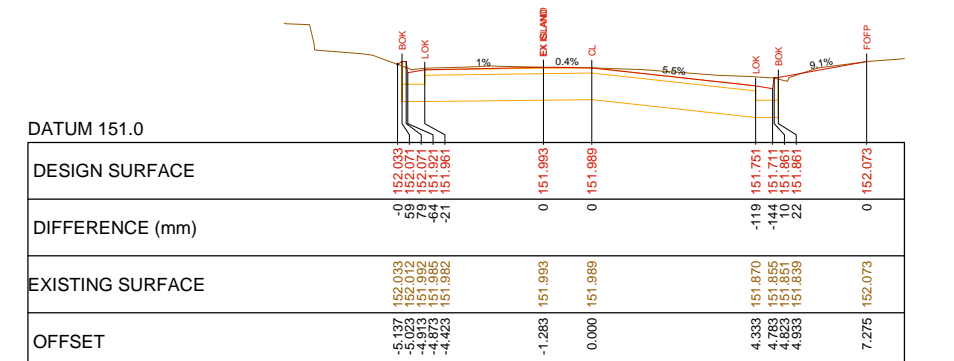
CH 520.000



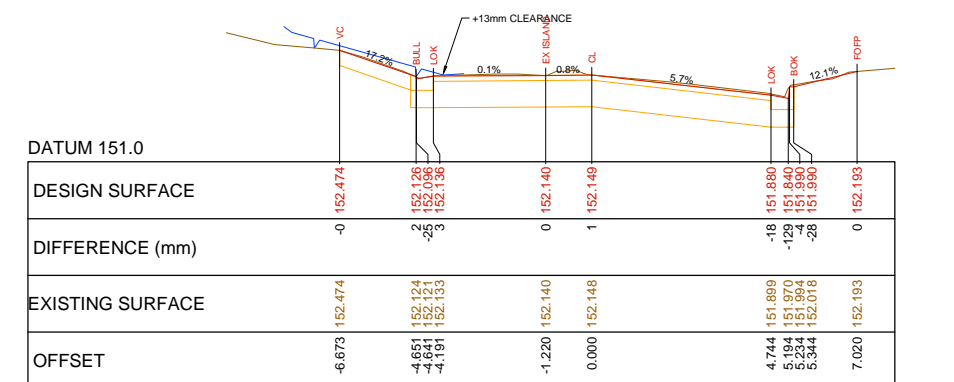
CH 550.000



VEHICLE CROSSING AT No. 52 CH 545.000



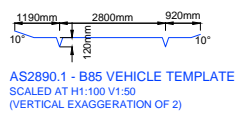
CH 540.000



VEHICLE CROSSING AT CARPARK ENTRANCE CH 533.000

CL - CENTRE LINE  
 LOK - LIP OF KERB  
 BOK - BACK OF KERB  
 BULL - 'BULLNOSE'  
 VC - EXISTING DRIVEWAY

FOPP - FRONT OF FOOTPATH  
 BOFP - BACK OF FOOTPATH  
 RW - TOP OF RETAINING WALL  
 INT BREAKLINE - LANE LINE THROUGH INTERSECTION  
 BIN PAD - BIN PAD



CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



VER	DESCRIPTION	DATE
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LOCAL GOVERNMENT AREA  
 CITY OF MAROONDAH

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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

**EASTFIELD ROAD, RINGWOOD EAST**

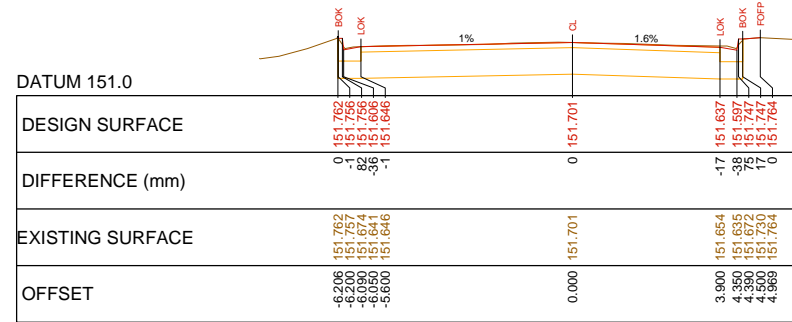
CROSS-SECTIONS - CENTRELINE 'A'

PROJECT No.	PC18048
SHEET No.	54 OF 59
VERSION	08
DWG No.	PC18048-54-08

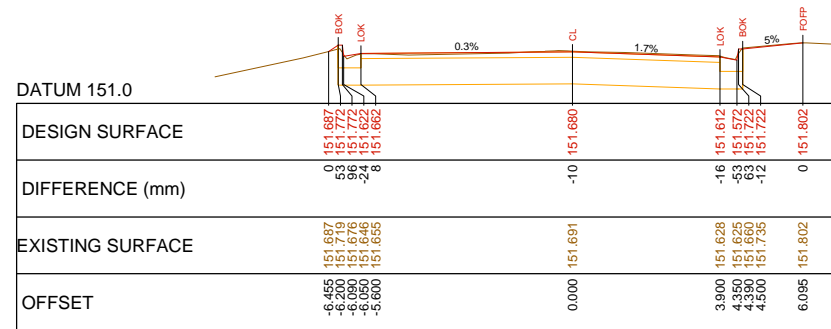
SUBSURFACE UTILITY SERVICES ARE SHOWN IN SELECT LOCATIONS IN ACCORDANCE WITH MAROONDAH CITY COUNCIL PROVIDED SUBSURFACE UTILITY SERVICE PROVING PLAN SEEKER UTILITY ENGINEERING '20052-164-UT' (10-03-21)



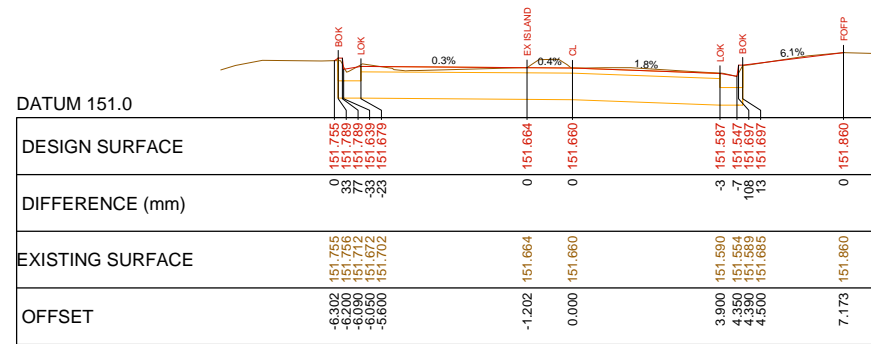
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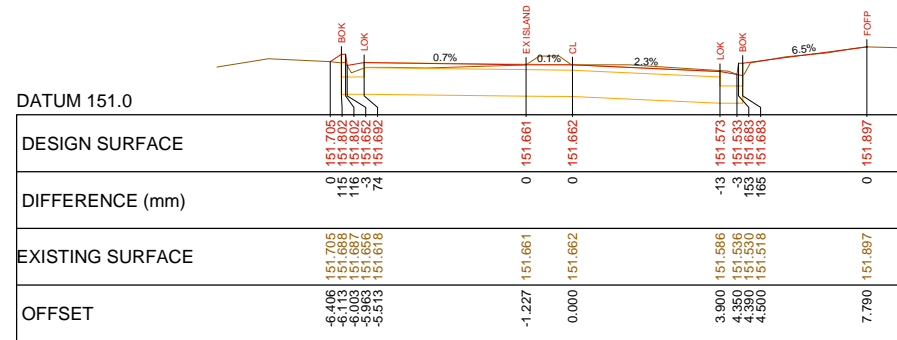
CH 570.000



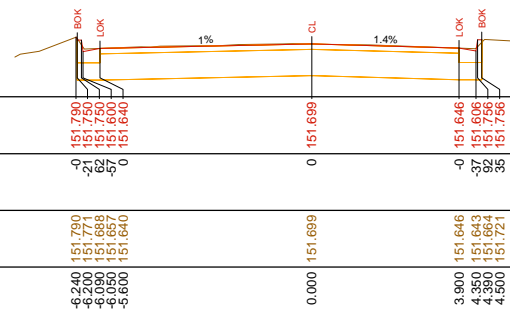
CH 565.000



CH 560.000



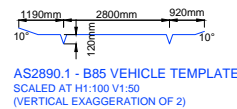
CH 557.154



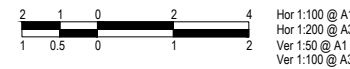
CH 571.673

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CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - CENTRELINE 'A'



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VER	DESCRIPTION	DATE

CONSULTANT ENGINEER

Specialist Civil Engineering Design Consultants  
Commitment | Communication | Collaboration

PROCIVIL CONSULTING PTY LTD  
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  
REGISTERED AND CHARTERED PROFESSIONAL ENGINEER REVIEW  
CHRIS PROCTOR

ORIENTATION

OR AS SHOWN

ORIGINAL SCALE & SHEET SIZE  
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HEIGHT DATUM  
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AERIAL IMAGE DATE  
19-12-2019

LOCAL GOVERNMENT AREA  
CITY OF MAROONDAH

CLIENT

CLIENT PROJECT MANAGER / CONTACT  
TOM DOBSON | MAROONDAH CITY COUNCIL

**FOR CONSTRUCTION**

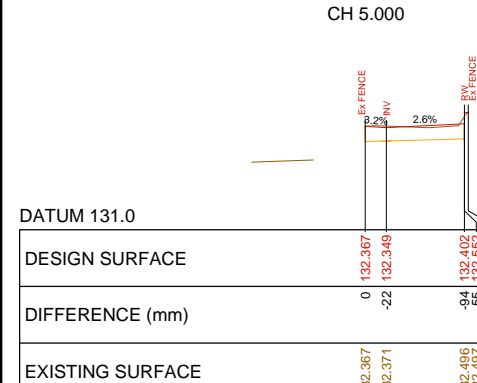
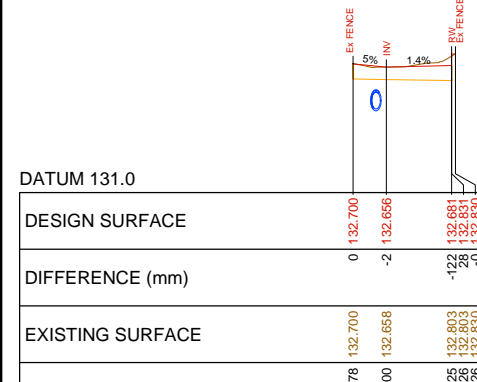
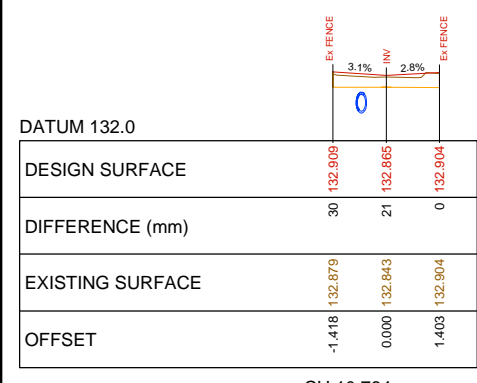
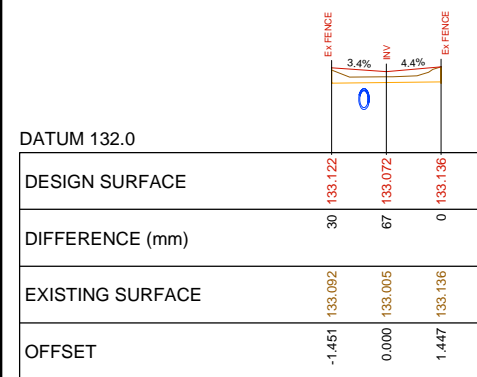
**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
EASTFIELD ROAD, RINGWOOD EAST

CROSS-SECTIONS - CENTRELINE 'A'

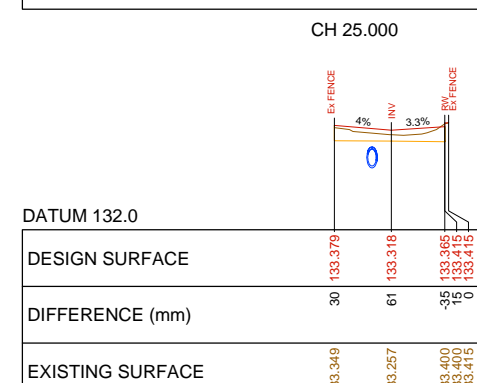
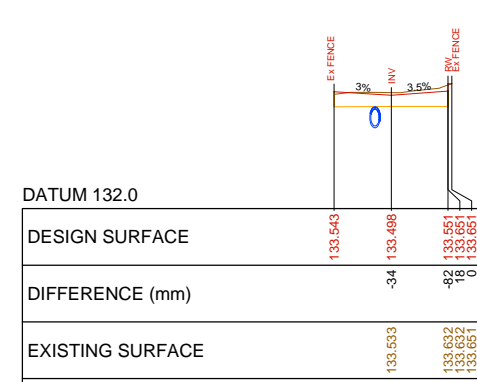
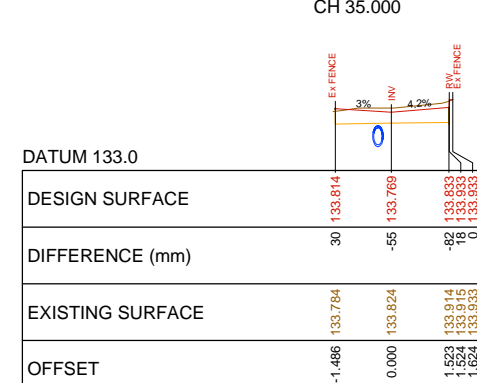
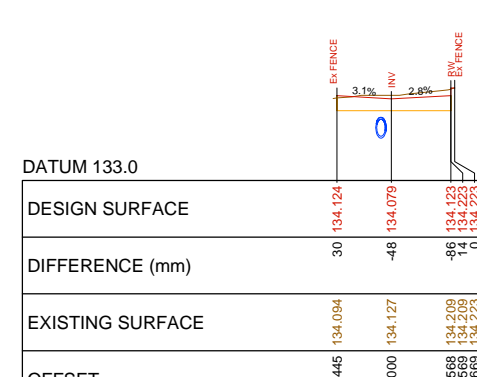
PROJECT No.	PC18048
SHEET No.	55 OF 59
VERSION	08
DWG No.	PC18048-55-08



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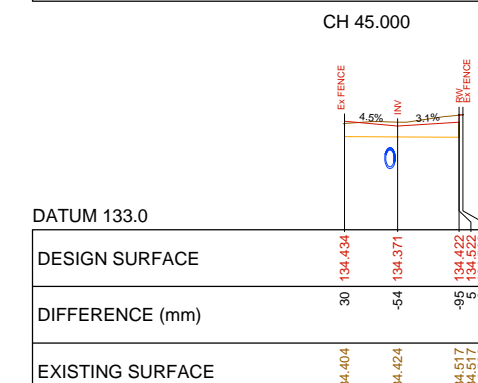
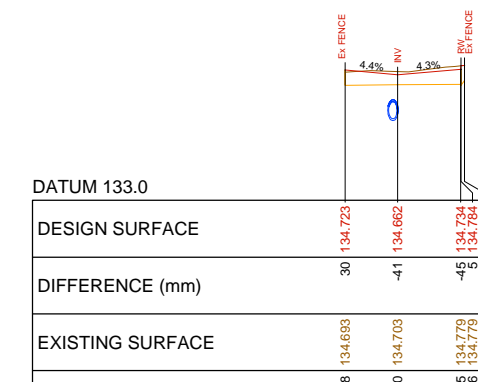
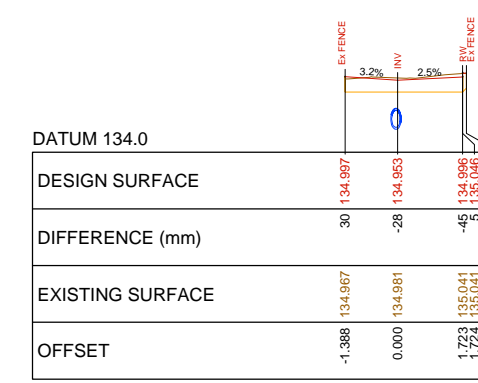
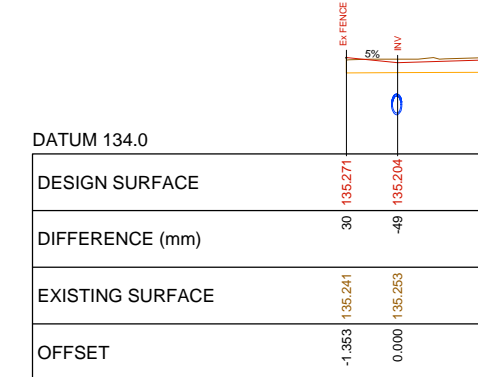


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VER	DESCRIPTION	DATE



AS2890.1 - B85 VEHICLE TEMPLATE  
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(VERTICAL EXAGGERATION OF 2)

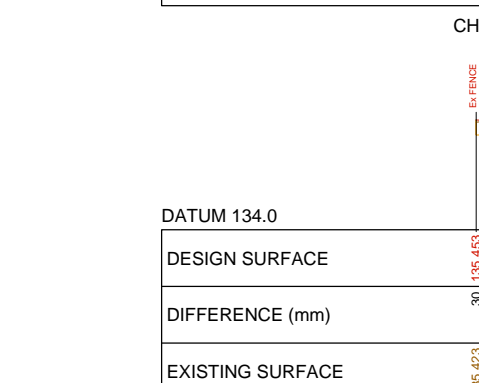
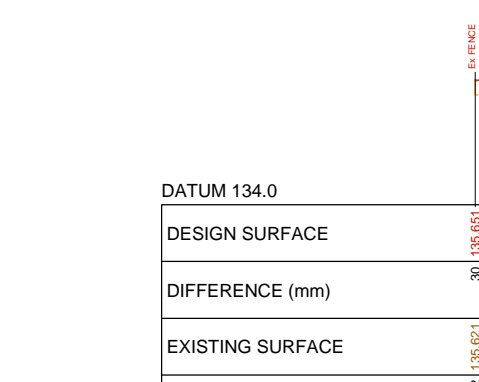
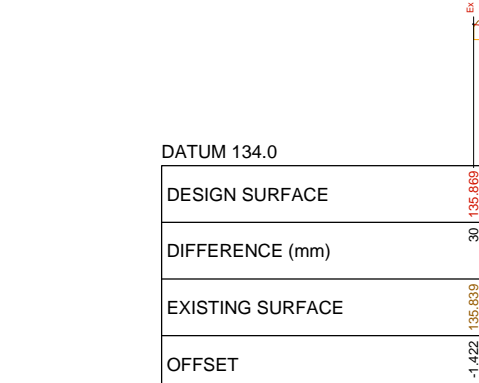
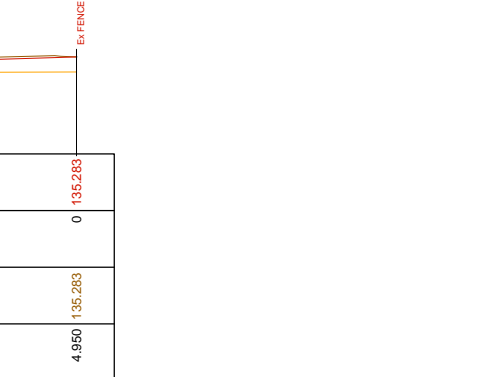
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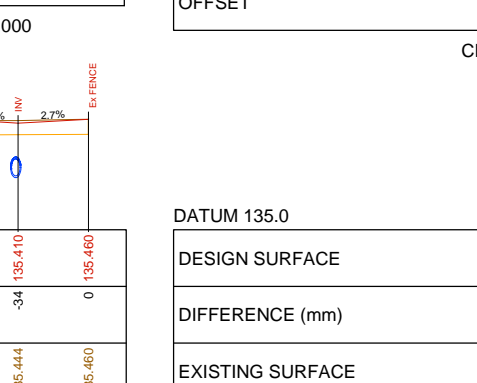
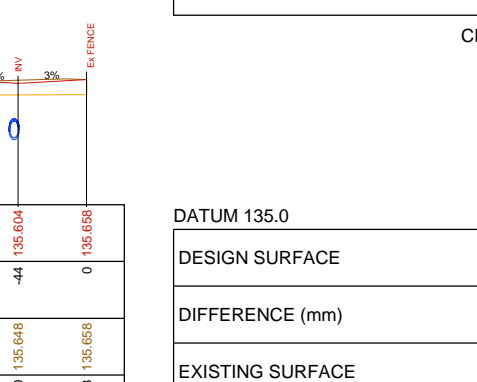
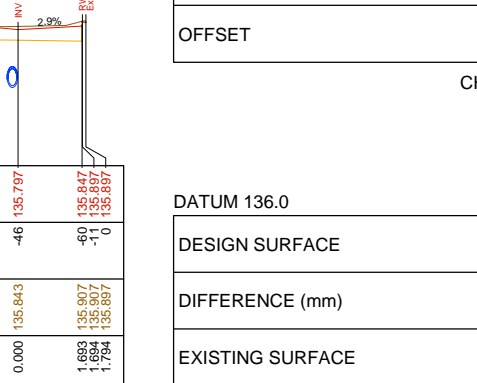
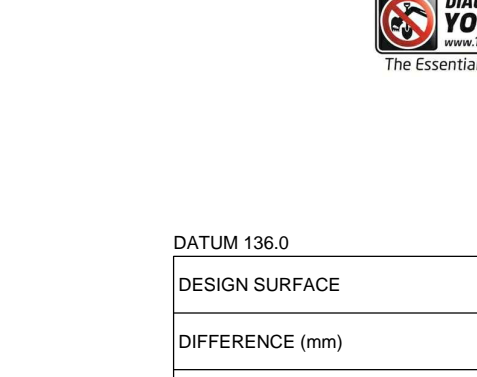
OR AS SHOWN



ORIGINAL SCALE & SHEET SIZE: AS SHOWN @ A1  
HEIGHT DATUM: AHD  
COORDINATE DATUM: MGA 94 ZONE 55  
SURVEY DATE: 06-2019  
AERIAL IMAGE DATE: 19-12-2019

LOCAL GOVERNMENT AREA: **CITY OF MAROONDAH**  
CLIENT:

CLIENT PROJECT MANAGER / CONTACT: TOM DOBSON | MAROONDAH CITY COUNCIL

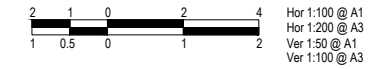


**FOR CONSTRUCTION**  
**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
EASTFIELD ROAD, RINGWOOD EAST

CROSS-SECTIONS - RIGHT-OF-WAY INVERT 'P'

PROJECT No: **PC18048**  
SHEET No: **56 OF 59**  
VERSION: **08**  
DWG No: **PC18048-56-08**

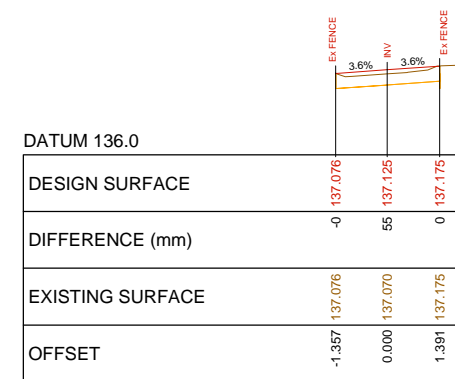
CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - INVERT 'P'



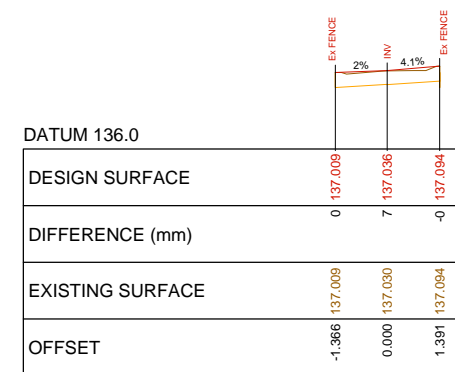




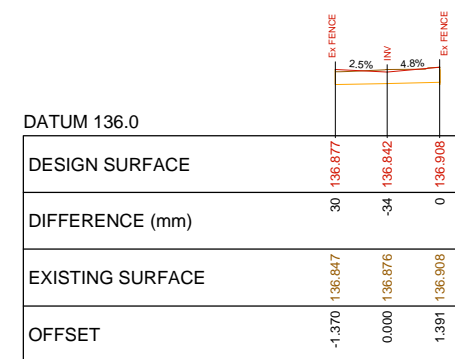
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CH 102.280

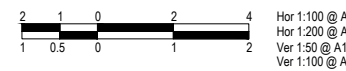
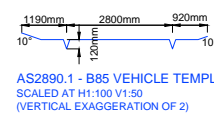


CH 100.000



CH 95.000

CROSS-SECTIONS - REFERENCE LINE (OFFSET 0.00) - INVERT 'P'



INV - CENTRAL INVERT  
 Ex FENCE - EXISTING FENCE  
 RW - RETAINING WALL / PLINTH

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CONSULTANT ENGINEER

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**CITY OF MAROONDAH**

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**FOR CONSTRUCTION**

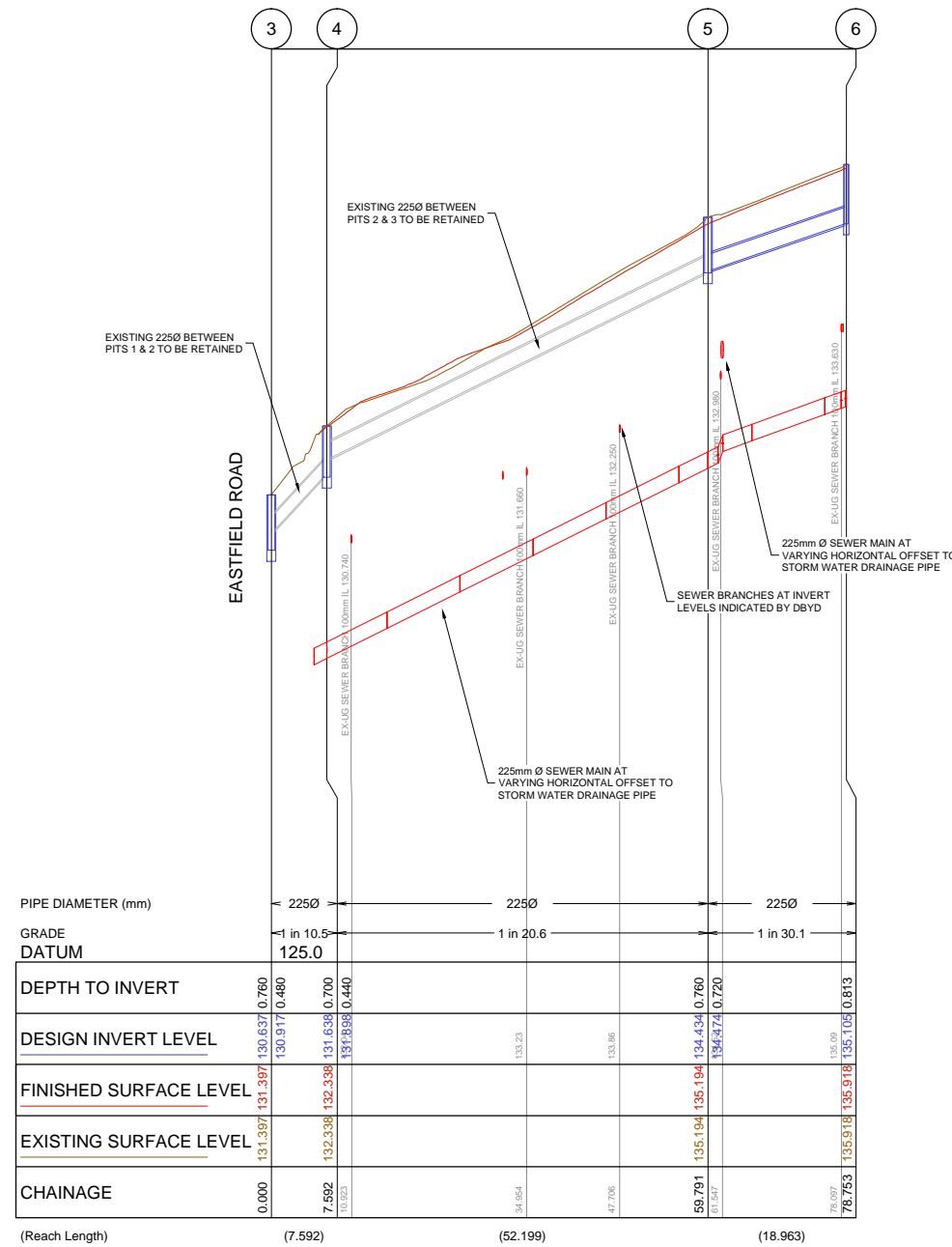
**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
 EASTFIELD ROAD, RINGWOOD EAST

CROSS-SECTIONS - RIGHT-OF-WAY INVERT 'P'

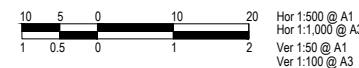
PROJECT No.	PC18048
SHEET No.	57 OF 59
VERSION	08
DWG No.	PC18048-57-08



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**DRAINAGE LONGITUDINAL SECTIONS**



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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**  
 EASTFIELD ROAD, RINGWOOD EAST

DRAINAGE LONGITUDINAL SECTIONS

PROJECT No.	PC18048
SHEET No.	58 OF 59
VERSION	08
DWG No.	PC18048-58-08



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### DRAINAGE PIT SCHEDULE

PIT NAME	PIT TYPE	SETOUT EASTING (m)	SETOUT NORTHING (m)	INTERNAL		INLET		OUTLET		PIT SETOUT RL (m)	PIT DEPTH (m)	REFERENCE
				WIDTH (mm)	LENGTH (mm)	DIA (mm)	INV LEV (m)	DIA (mm)	INV LEV (m)			
1	GSEP	Existing	Existing	900	600	-	-	Ex 225	Ex 129.40	130.39	0.99	Remove existing Side Entry Pit & Construct new Grated Side Entry Pit in accordance with Maroondah City Council Standard Drawing MCC-209
2	GSEP	Existing	Existing	900	600	Ex 300	Ex 129.30	Ex 450	Ex 129.29	130.41		Remove existing Side Entry Pit & Construct new Grated Side Entry Pit in accordance with Maroondah City Council Standard Drawing MCC-209
3	GSEP - VC	Existing	Existing	900	900	Ex 225 Ex 300	Ex 130.92 Ex 130.92	Ex 300	Ex 130.64	131.40	0.76	Convert existing Junction Pit into Grated Vehicle Crossing Pit in accordance with Maroondah City Council Standard Drawing MCC-206
4	GP	346187.877	5814013.282	450	450	Ex 225	Ex 131.90	Ex 225	Ex 131.64	132.34	0.70	Remove existing Junction Pit & construct new 'V' Grated Junction Pit in accordance with Maroondah City Council Standard Drawing MCC-213
5	GP	346218.290	5814055.706	450	450	225 Ex 225	134.47 Ex 134.43	Ex 225	Ex 134.43	135.19	0.76	Remove existing Junction Pit & construct new 'V' Grated Junction Pit in accordance with Maroondah City Council Standard Drawing MCC-213
6	GP	346228.955	5814071.385	450	450	-	-	225	135.11	135.92	0.81	Remove existing Junction Pit & construct new 'V' Grated Junction Pit in accordance with Maroondah City Council Standard Drawing MCC-213
7	SEP	Existing	Existing	900	600	Ex 300 Ex 300	Ex 131.31 Ex 131.31	Ex 300	Ex 131.31	132.21	0.90	Remove existing Junction Pit & construct new Side Entry Pit in accordance with Maroondah City Council Standard Drawing MCC-203
8	JP	Existing	Existing	Ex 600	Ex 900	Ex 225	Ex 135.21	Ex 225	Ex 135.19	136.31	1.12	Remove existing Junction Pit & construct new Junction Pit in accordance with Maroondah City Council Standard Drawing MCC-201
9	SEP	Existing	Existing	Ex 900	Ex 600	Ex 225 Ex 300	Unknown	Ex 225	Unknown	137.42	Assume <1m	Remove existing Side Entry Pit & construct new Side Entry Pit in accordance with Maroondah City Council Standard Drawing MCC-203
10	JP	Existing	Existing	Ex 450	Ex 450	Ex 225	Ex 143.32	Ex 225	Ex 143.31	144.43	1.12	Remove existing Junction Pit & construct new Junction Pit in accordance with Maroondah City Council Standard Drawing MCC-201
11	SEP	Existing	Existing	Ex 900	Ex 600	Ex 225	Unknown	Ex 225	Unknown	145.87	Assume <1m	Remove existing Side Entry Pit & construct new Side Entry Pit in accordance with Maroondah City Council Standard Drawing MCC-203
12	GSEP	Existing	Existing	900	600	-	-	Ex 225	Unknown	145.79	Assume <1m	Remove existing Side Entry Pit & Construct new Grated Side Entry Pit in accordance with Maroondah City Council Standard Drawing MCC-209
13	GSEP	Existing	Existing	900	600	-	-	Ex 300	Unknown	137.33	Assume <1m	Remove existing Side Entry Pit & Construct new Grated Side Entry Pit in accordance with Maroondah City Council Standard Drawing MCC-209
14	SEP	Existing	Existing	900	600	-	-	Ex 300	Ex 131.42	132.27	0.85	Modify existing Side Entry Pit as required to suit new kerb in accordance with Maroondah City Council Standard Drawing MCC-203
15	SEP	Existing	Existing	900	600	Ex 225	Ex 150.29	Ex 225	Ex 150.15	150.94	0.79	Modify existing Side Entry Pit as required to suit new kerb in accordance with Maroondah City Council Standard Drawing MCC-203
16	JP	Existing	Existing	Ex 600	Ex 600	Ex 225	Unknown	Ex 225	Unknown	151.38	Assume <1m	Remove existing Junction Pit & construct new Junction Pit in accordance with Maroondah City Council Standard Drawing MCC-201
17	SEP	Existing	Existing	Ex 900	Ex 600	Ex 225	Ex 151.26	Ex 225	Ex 151.37	152.00	0.74	Remove existing Side Entry Pit & construct new Side Entry Pit in accordance with Maroondah City Council Standard Drawing MCC-203
18	SEP	Existing	Existing	Ex 900	Ex 900	Ex 300	Unknown	Ex 300	Unknown	151.83	Assume <1m	Remove existing Side Entry Pit & construct new Side Entry Pit in accordance with Maroondah City Council Standard Drawing MCC-203
19	SEP	Existing	Existing	900	600	-	-	Ex 300	Ex 150.88	151.68	0.80	Remove existing Side Entry Pit & construct new Side Entry Pit in accordance with Maroondah City Council Standard Drawing MCC-203

NOTE:  
1. xy setout to pit centre, longitudinally along kerb - contractor to set out pit relative to kerb profile and relevant pit standard drawing  
2. setout level to pit cover level

JP - Junction Pit  
GP - Grated Pit  
SEP - Side Entry Pit  
GSEP - Grated Side Entry Pit

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**FOR CONSTRUCTION**

**ROAD & DRAINAGE RECONSTRUCTION WORKS**

EASTFIELD ROAD, RINGWOOD EAST

DRAINAGE PIT SCHEDULE

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SHEET No.	59 OF 59
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