

1. THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT COUNCIL STANDARD & EDM DRAWINGS AND SPECIFICATIONS, WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SURVEILLANCE COORDINATOR OR HIS REPRESENTATIVE.
2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THEY SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, Dewatering DEVICES, BARRICADES, SIGNS, LIGHTS, ETC, NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
3. THE CONTRACTOR SHALL:
 - 3.1. COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY RULES, AND THE MINES (TRENCHES) REGULATIONS 1982.
 - 3.2. NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF THEIR INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - 3.3. ENSURE THAT THE MINES SUPERVISOR OR THEIR DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
4. THE CONTRACTOR IS TO NOTIFY COUNCIL'S SENIOR SURVEILLANCE ENGINEER AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. ALL ROAD CHANGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHHEADS, WHERE LIP OF KERB CHANGES ARE SPECIFIED, ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB, DO NOT SCALE OFF THESE DRAWINGS, WRITTEN DIMENSIONS ONLY SHALL BE USED.
6. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
7. THE CONTRACTOR SHALL COOPERATE WITH OTHER AUTHORITIES AND SHALL ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO THE FINAL PAVEMENT COURSE. THE CONTRACTOR SHALL CHECK WITH THE SUPERINTENDENT THE EXACT LOCATION OF ALL SERVICES PRIOR TO THE INSTALLATION OF CONDUITS.
8. ANY EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL REPRESENTATIVE.
9. WHEN ENGAGED IN BLASTING OPERATIONS THE CONTRACTOR SHALL NOT BLAST WITHIN 4.5m OF AN EXISTING LINE OF WATER, GAS OR SEWER PIPES OR WITHIN 15m OF ANY COMPLETED PART OF THE WORKS WITHOUT THE CONSENT OF THE SUPERINTENDENT. BLASTING REQUIRES A BLASTING PERMIT FROM COUNCIL.
10. APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING THE CONSTRUCTION AND MAINTENANCE PERIODS. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVANT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
11. ALL TREES AND SHRUBS TO BE RETAINED UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT AUTHORITY BECAUSE ROAD CONSTRUCTION NECESSITATES THEIR REMOVAL. OR REMOVAL IS DIRECTED BY THE AUTHORISED ENGINEER. TREES TO BE REMOVED ARE TO BE SUITABLY LABELLED, WHEN IT IS PROPOSED TO REMOVE EXISTING TREES IN ROAD RESERVES OR COUNCIL RESERVES, CONSULTATION IS TO OCCUR WITH COUNCIL'S PARKS AND GARDENS DEPARTMENT.
12. VICROADS ROADWORK SIGNING CODE OF PRACTICE WHICH COMPLIES WITH THE AUSTRALIAN STANDARD 1742.3-2002 IS TO BE ADHERED TO DURING THE CONSTRUCTION WORKS.
13. CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT. CONDUITS TO BE EXTENDED TO PROPERTY LINE AND ARE REQUIRED WHEN CONNECTIONS EXTEND UNDER ROAD PAVEMENT, FOOTPATH OR OTHER INFRASTRUCTURE. BOTH KERBS ARE TO BE MARKED WITH THE LETTERS H (PROPERTY STORMWATER CONNECTION), E (ELECTRICAL), G (GAS), (TELEPHONE), W (WATER), R (RECYCLED WATER) AND C (COUNCIL COMMUNICATION) AS PER STANDARD DRAWING EDM 303.
14. ALL EARTHWORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S EARTHWORK SPECIFICATION AND THE EARTHWORKS SECTION OF SMEC'S CONTRACT SPECIFICATION.
15. BATTERS INTO FILLMENTS SHALL NOT BE STEEPER THAN 1 IN 5 UNLESS NOTED OTHERWISE.
16. ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVE AND NATURESTRIPS TO BE STRIPPED OF TOPSOIL AND STOCKPILED PRIOR TO EARTHWORK COMMENCING.
17. NO FILLING OR STOCKPILING OF MATERIALS IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE SUPERINTENDENT.
18. NO TOPSOIL TO BE REMOVED FROM SITE UNLESS OTHERWISE APPROVED.
19. LOTS SHALL BE EVENLY GRADED TO ENSURE MINIMUM LOT FALLS AS SPECIFIED ON DRAWINGS ARE ACHIEVED.
20. ALL DRAINAGE PIPES TO BE CLASS 2 RCP UNLESS NOTED OTHERWISE. ALL DRAINAGE PIPE UP TO AND INCLUDING 750mm IN DIAMETER SHALL BE RUBBER RING JOINTED. PIPES ABOVE THIS SIZE MAY BE FLUSH JOINTED WITH EXTERNAL SEALING BANDS. RUBBER RING PIPES TO BE PRESSURE RESISTANT, I.E. SPECIFIC MANUFACTURERS RUBBER RING TO BE SUITED TO PRESSURE CONDITIONS AND THE PIPES ARE NOT TO HAVE ANY PLUGS.
21. ALL PITS GRATER THAN OR EQUAL TO 1000mm DEPTH TO BE PROVIDED WITH STEP IRONS IN ACCORDANCE WITH EDM 609.
22. ALL DRAINAGE TRENCHES UNDER ROAD PAVEMENTS, KERB & CHANNEL, PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND KERBS & CHANNEL SHALL BE BACKFILLED WITH COMPACTED CRUSHED ROCK AS SPECIFIED.
23. OFFSETS TO DRAINAGE IN EASEMENTS AS SHOWN ARE TO THE CENTRELINE OF THE DRAIN.
24. AG DRAINS TO BE PROVIDED BEHIND ALL KERBS AND SHALL HAVE SUITABLE OUTLET, CONSTRUCTION TO BE IN ACCORDANCE WITH EDM 201 & 202.
25. HOUSE DRAINS ARE TO BE CONNECTED DIRECT TO UNDERGROUND DRAIN UNLESS NOTED OTHERWISE.
26. PROPERTY INLET PITS AS PER EDM 701-704.
27. DRIVEWAYS TO BE CONSTRUCTED IN ACCORDANCE WITH COUNCIL'S STANDARDS AND CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTINGS TREES.
28. FOOTPATHS ARE TO BE OFFSET 50mm FROM THE BUILDING LINE.
29. ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHOULD BE TO A51742.2 AND 1742.1 STANDARD REQUIREMENTS. TEMPORARY LINE MARKING TO BE PLACED DURING MAINTENANCE PERIOD PRIOR TO PLACEMENT OF WEARING COURSE. FINAL LINE MARKING TO BE LONG LIFE ROAD MARKING WITH LONGITUDINAL LINES IN THERMOPLASTIC AND TRANSVERSE MARKINGS IN COLD APPLIED.
30. UPON COMPLETION OF CONSTRUCTION, THE WHOLE SITE SHALL BE CLEANED UP AND GRADED OVER, ALL RUBBISH IS TO BE REMOVED AND THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
31. ALL SERVICE TRENCHES UNDER FOOTPATH, ROAD PAVEMENTS, VEHICLE CROSSINGS AND OTHER ROAD STRUCTURES ARE TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT COUNCIL AND AUTHORITY STANDARDS.
32. FOOTPATHS ARE TO BE CONTINUOUSLY REINFORCED CONCRETE IN ACCORDANCE WITH EDM 401 & 403 UNLESS OTHERWISE SPECIFIED.
33. A BUILDING PERMIT MUST BE OBTAINED FOR ANY STRUCTURE/RETAINING WALL EXCEEDING 1.0m IN HEIGHT PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA, COPY OF BUILDING PERMITS AND CERTIFICATE OF COMPLIANCE - CONSTRUCTION (REGARDLESS OF HEIGHT) FOR ALL COMPONENTS OF RETAINING WALL INCLUDING AG DRAINS TO BE SUBMITTED TO COUNCIL PRIOR TO STATEMENT OF COMPLIANCE.
34. ALL FILL CONSTRUCTION AND TESTING TO BE CARRIED OUT AS PER CURRENT A53798 LEVEL 1 REQUIREMENT, SMEC SPECIFICATIONS, WHITTELESEA CITY COUNCIL SPECIFICATIONS AND EDM REQUIREMENTS.
35. CONCRETE JOINT DETAILS SHALL BE IN ACCORDANCE WITH CEMENT AND CONCRETE ASSOCIATION AUSTRALIA - GUIDE TO RESIDENTIAL STREET AND PATHS (C 2004.11).
36. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
37. ALL CONCRETE TO BE USED IN THE CONTRACT WORKS SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 25 MPA AT 28 DAYS.
38. THE CONTRACTOR TO ERECT STREET NAME SIGNS WITH COUNCIL LOGO, GALVANISED IRON POSTS AND PROVIDE THE PROVISION OF A SLEEVE AS DIRECTED BY THE SUPERINTENDENT.
39. ALL MATERIAL SURROUNDING SERVICE AUTHORITY PITS LOCATED IN FOOTPATHS MUST BE ADEQUATELY COMPACTED IN 150MM LAYERS AND TESTED TO THE SATISFACTION OF THE CITY OF WHITTELESEA, PRIOR TO THE CONSTRUCTION OF THE FOOTPATH BAYS ADJACENT TO THESE PITS.
40. TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF TBM'S THEREAFTER.

895 DONNYBROOK ROAD
C541SSPL

EXISTING STAGE 32

WORKS AREA

EXISTING TEMPORARY RETARDING BASIN

FIRHOUSE ROAD

FUTURE STAGE 36

FUTURE CAMERON STREET

C102SSPL

C542SSPL

915 DONNYBROOK ROAD (YOURLAND DEVELOPMENT)

AYRFIELD LOOP

NARRAGHMORE STREET

AYRFIELD LOOP

PATTERSON DRIVE

CAMERON STREET

C531SSPL

C528SSPL

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	SHOVEL TEST PIT (0.5X0.5m), ARTEFACTS PRESENT
	SHOVEL TEST PIT (0.5X0.5m), NO ARTEFACTS PRESENT
	TEST PIT (1X1m), NO ARTEFACTS PRESENT
	TEST PIT (1X1m), ARTEFACTS PRESENT
	TEST PIT (2X1m), ARTEFACTS PRESENT
	TEST PIT (2X1m), NO ARTEFACTS PRESENT
	MTP (5X1m), NO ARTEFACTS PRESENT
	STONY RISES
	TPZ AS PER ARBORIST TREE ASSESSMENT BY ARBORCRAFT TREE SERVICES (27 JUNE 2023)
	NO GO ZONE FENCING (CHMP FP-SR 19388)

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	ELECTRICITY (U, GROUND)
	ELECTRICITY (O, HEAD)
	GAS
	TELSTRA
	OPTIC FIBRE
	WATER
	RECYCLE WATER
	AG, DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING HOUSE DRAIN
	EXISTING ELECTRICITY (UNDER GROUND)
	EXISTING ELECTRICITY OVERHEAD
	EXISTING GAS
	EXISTING TELSTRA
	EXISTING OPTIC FIBRE
	EXISTING WATER
	EXISTING RECYCLED WATER
	EXISTING AG, DRAIN
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE ELECTRICITY (UNDER GROUND)
	FUTURE ELECTRICITY OVERHEAD
	FUTURE GAS
	FUTURE TELSTRA
	FUTURE OPTIC FIBRE
	FUTURE WATER
	FUTURE RECYCLED WATER
	FUTURE AG, DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	ZERO LOT LINES
	141.34 EXISTING SURFACE LEVEL
	FS140.35 FINISHED BUILDING LINE LEVEL
	FR157.40 FINISHED RIDGE LINE LEVEL
	CH270.00 CHANNAGE
	TW159.60 TOP OF RETAINING WALL LEVEL
	BW159.00 BOTTOM OF RETAINING WALL LEVEL
	EXISTING RETAINING WALL
	RETAINING WALL - CONCRETE SLEEPER
	RETAINING WALL - ROCK
	FUTURE RETAINING WALL
	STRUCTURAL FILL > 200mm DEEP
	CUT > 200mm DEEP
	DIRECTION OF FALL
	OVERLAND FLOW
	GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
	EDGE STRIP, SUBSOIL DRAIN, 'NO ROAD' SIGN & BARRIER
	EXISTING TREE TO BE RETAINED
	EXISTING TREE TO BE REMOVED
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

1700E-033-101	Cover Plan & General Notes
1700E-033-111	Layout Plan
1700E-033-171	Signage & Linemarking Plan
1700E-033-181	Intersection Detail Plan - 1
1700E-033-182	Intersection Detail Plan - 2
1700E-033-201	Longitudinal Sections - 1
1700E-033-202	Longitudinal Sections - 2
1700E-033-251	Cross Sections: Ayrfield Loop Ch 103.75 - Ch 213.44
1700E-033-252	Cross Sections: Ayrfield Loop Ch 222.75 - Ch 370.55
1700E-033-253	Cross Sections: Ayrfield Loop Ch 385.41 - Ch 521.22
1700E-033-254	Cross Sections: Ayrfield Loop Ch 534.00 - Ch 558.87
1700E-033-255	Cross Sections: Narraghamore Street Ch 40.00 - Ch 122.50
1700E-033-256	Cross Sections: Narraghamore Street Ch 136.50 - Ch 175.45
1700E-033-301	Drainage Longitudinal Sections - 1
1700E-033-302	Drainage Longitudinal Sections - 2
1700E-033-303	Drainage Longitudinal Sections - 3
1700E-033-304	Drainage Longitudinal Sections - 4
1700E-033-351	Pit Schedule
1700E-033-411	Pavement Details
1700E-033-421	General Details
1700E-033-500	Safety In Design

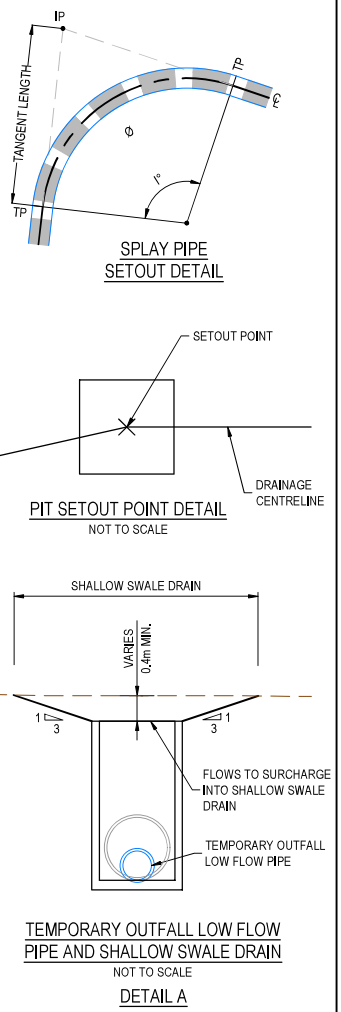
ROAD LAYOUT TABLE								
ROAD NAME	ROAD RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
		UP TO LIP	INV TO INV	BACK TO BACK	NTHWEST	STHEAST	NTHWEST	STHEAST
AYRFIELD LOOP (LOTS 3334 TO 3344)	16,00	6,40	7,30	7,60	B2	B2	4,35	4,35
AYRFIELD LOOP (ADJ. PATTERSON DR & CAMERON ST)	14,00	6,40	7,30	7,60	B2	B2	4,35	2,35
NARRAGHMORE STREET	16,00	6,40	7,30	7,60	B2	B2	4,35	4,35
FRHOUSE ROAD	16,00	6,40	7,30	7,60	B2	B2	4,35	4,35

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER	Quality Management - ISO 9001 OHS Management - AS/NZS 1891 Environmental Management - ISO 14001			PLAN OF SUB. NO.		 an  company ABN 47 065 475 149 Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008 Ph 03 9514 1500		Olivine Estate - Stage 33 Whittlesea City Council Road and Drainage Cover Plan & General Notes			
A	12,12,25	ISSUED TO COUNCIL FOR APPROVAL	L.CHAPPEL	Y.SONG	T.MOTET	G.CORREIA	PERMIT REF. NO. 719067	 Scale 1:2500 SCALE AS SHOWN AT A1 <td rowspan="3">MELWAYS REF 367 G11</td> <td rowspan="3">PROJECT / DRAWING No. 1700E-033-101</td> <td rowspan="3">SHEET No. 01 of 21</td> <td rowspan="3">REVISION C</td>	MELWAYS REF 367 G11	PROJECT / DRAWING No. 1700E-033-101				SHEET No. 01 of 21	REVISION C		
B	18,03,26	SERVICE OFFSET TABLE UPDATED	L.CHAPPEL	Y.SONG	T.MOTET	G.CORREIA											
C	10,04,26	KIOSK SIZE AMENDED TO 8.0 X 5.2 METRES	J.HICKS	Y.SONG	T.MOTET	G.CORREIA											
SUBJECT TO APPROVAL																	



WARNING
BEWARE OF UNDERGROUND SERVICES
The location of underground services is approximate only and the exact position should be proven on site. No guarantee is given that all existing services are shown. Contractor to locate all underground services prior to commencement of works.

SPLAY PIPE INFORMATION					
SPLAY #	CENTRE RADIUS (m)	ARC LENGTH (m)	TANGENT LENGTH (m)	I°	IP
SPLAY 1	250	27.31	13.87	6.3°	EASTING 322586.89 NORTHING 5844431.36
SPLAY 2	85	28.98	14.63	19.5°	322681.83 5844424.37



REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	12.12.25	ISSUED TO COUNCIL FOR APPROVAL	L.CHAPPLE	Y.SONG	T.MOTET	G.CORREIA
B	18.03.26	GAS REMOVED	L.CHAPPLE	Y.SONG	T.MOTET	G.CORREIA
C	10.04.26	KIOSK SIZE AMENDED TO 8.0 X 5.2 METRES	J.HICKS	Y.SONG	T.MOTET	G.CORREIA

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SUBJECT TO APPROVAL

Scale 1:500

SCALE AS SHOWN AT A1

an smc company

ABN 47 065 475 149

Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

Olivine Estate - Stage 33
Whittlesea City Council
Road and Drainage
Layout Plan

MELWAYS REF 367 G11	PROJECT / DRAWING No. 1700E-033-111	SHEET No. 02 of 21	REVISION C
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DWG PATH: V:\Vault\Projects_Urban\1700E-Olivine\1700E-033-111.dwg PRINTED BY: JH16392 on 15/04/2026 at 10:34:44 AM © SMEC 2021. Digital information supplied by this office is for information only, in the event of any discrepancies this should be discussed with the superintendent. Set out should be carried out in accordance with Relevant Authority standard drawings or as nominated by SMEC.



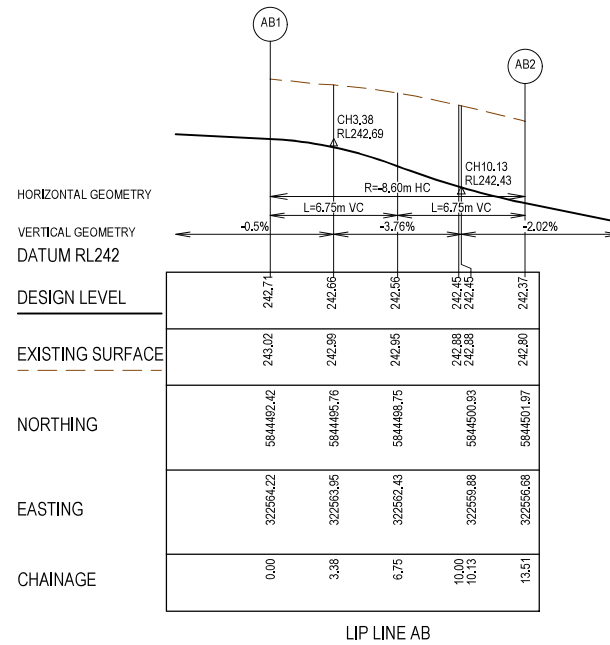
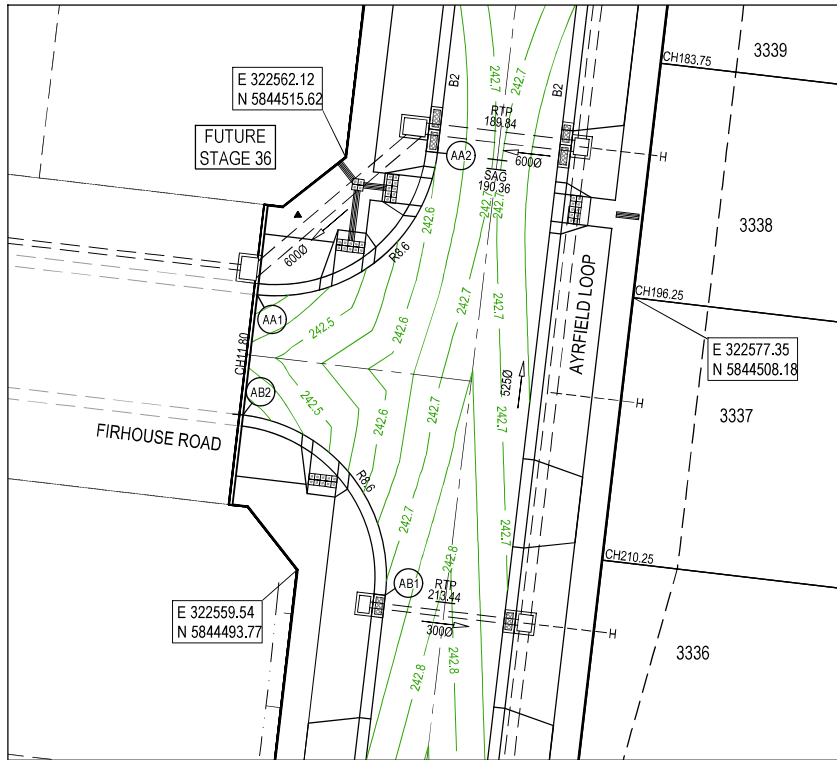
WARNING
BEWARE OF UNDERGROUND SERVICES
The location of underground services is approximate only and the exact position should be proven on site. No guarantee is given that all existing services are shown. Contractor to locate all underground services prior to commencement of works.

- NOTES**
- 1. 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPMS AT MAX 6m SPACING.
 - 2. RRPMS TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOL 2.
 - 3. ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. **PS932514U**

DEVELOPMENT ENGINEER
22/04/2026
DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	RP ENG	PERMIT REF. NO.	PLAN OF SUB. NO.	RP ENG			SUBJECT TO APPROVAL	05 Scale 1:500 SCALE AS SHOWN AT A1	N	smec an company Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008 Ph 03 9514 1500 © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 146)		Olivine Estate - Stage 33 Whittlesea City Council Road and Drainage Signage & Linemarking Plan	MELWAYS REF 367 G11	PROJECT / DRAWING No. 1700E-033-171	SHEET No. 03 of 21	REVISION C
A	12.12.25	ISSUED TO COUNCIL FOR APPROVAL	L.CHAPPLE	Y.SONG	T.MOTET	G.CORREIA	719067														
B	18.03.26	TACTILES AMENDED	L.CHAPPLE	Y.SONG	T.MOTET	G.CORREIA															
C	10.04.26	KIOSK SIZE AMENDED TO 8,0 X 5,2 METRES	J.HICKS	Y.SONG	T.MOTET	G.CORREIA															

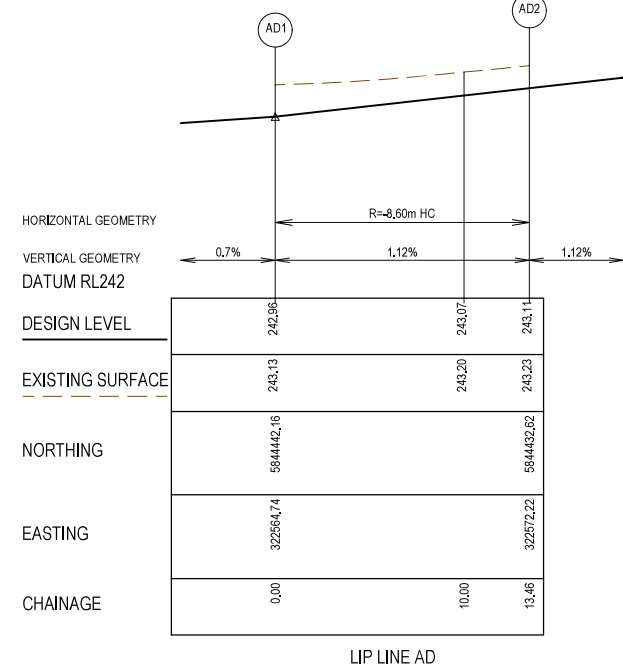
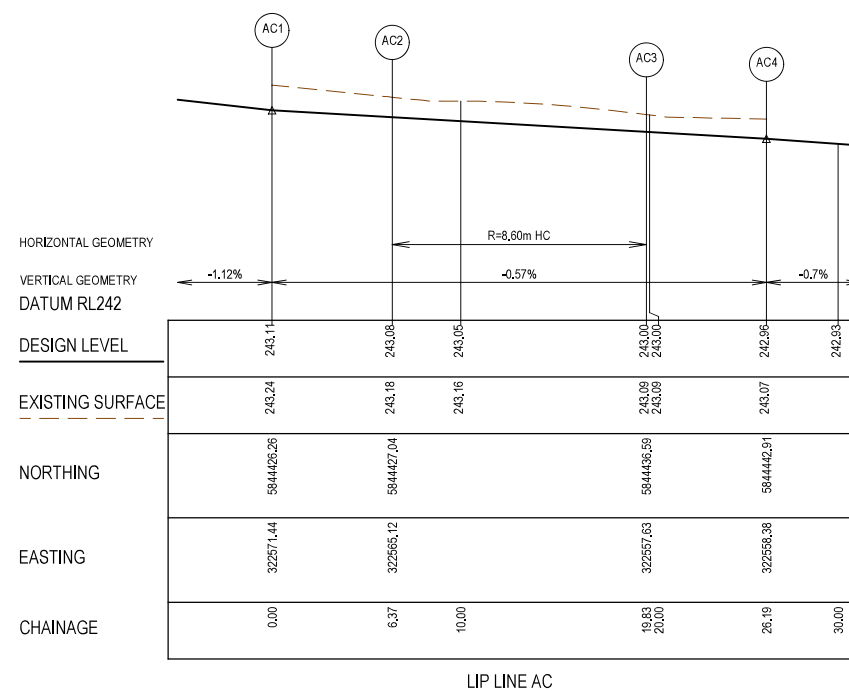
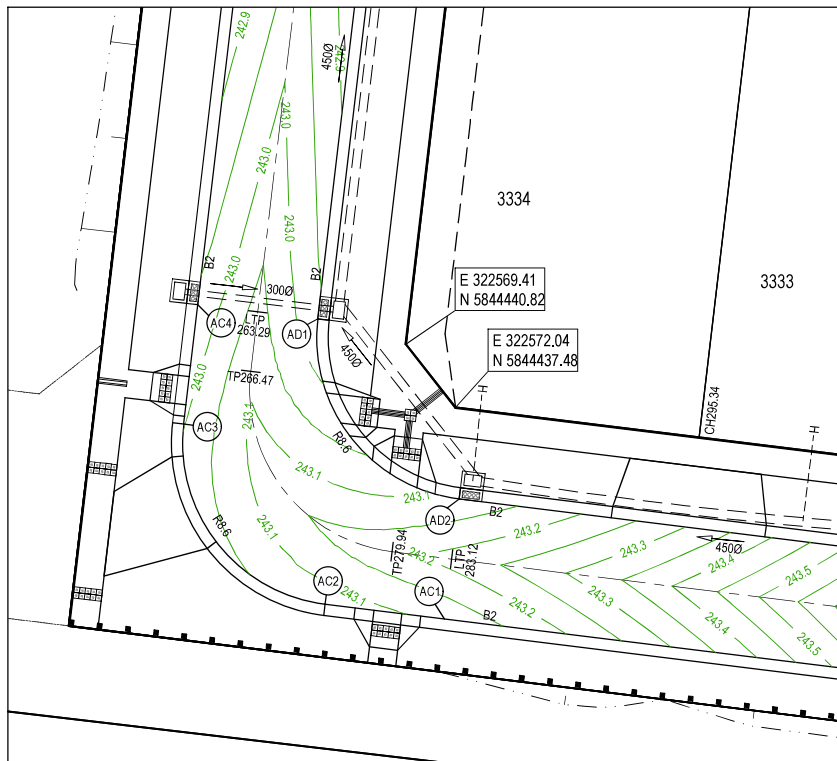


LEGEND - INTERSECTION DETAIL PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	EXISTING RETAINING WALL
	RETAINING WALL - CONCRETE SLEEPER
	RETAINING WALL - ROCK
	FUTURE RETAINING WALL
	EDGE STRIP, SUBSOIL DRAIN, 'NO ROAD' SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. **PS932514U**
22/04/2026
DATE APPROVED



- NOTES
- ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0.75m FROM PITTS.
 - ALL PRAM CROSSINGS TO BE MINIMUM OF 2.0m FROM VEHICLE CROSSINGS.
 - VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.
 - INDUSTRIAL DRIVEWAYS TO COUNCIL RESERVES TO BE PROVIDED AS PART OF LANDSCAPE WORKS.
 - SHARE PATH THROUGH CREEK CORRIDOR TO FORM PART OF LANDSCAPE WORKS.

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS

APPROVED PURSUANT TO SECTION 15 OF THE

SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. PS932514U

22/04/2026

DATE APPROVED

DEVELOPMENT ENGINEER

22/04/2026

DATE APPROVED

LEGEND - INTERSECTION DETAIL PLAN	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	EXISTING RETAINING WALL
	RETAINING WALL - CONCRETE SLEEPER
	RETAINING WALL - ROCK
	FUTURE RETAINING WALL
	EDGE STRIP, SUBSOIL DRAIN, 'NO ROAD' SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH

HORIZONTAL GEOMETRY

VERTICAL GEOMETRY

DATUM RL244

DESIGN LEVEL

EXISTING SURFACE

NORTHING

EASTING

CHAINAGE

AE1

CH4.01
RL244.54

AE2

AE3

CH12.04
RL244.86

2.9%

L=8.03m VC

4.08%

L=8.03m VC

1.34%

244.42

244.55

244.70

244.77

244.84

244.87

244.92

244.97

245.00

245.20

245.36

245.41

245.45

245.47

245.50

(null)

5844439.88

5844430.11

5844432.29

5844433.86

5844435.72

5844437.20

5844439.89

(null)

322624.64

322628.59

322631.03

322633.11

322633.59

322634.23

322634.53

(null)

0.00

4.01

8.03

10.00

12.04

13.56

16.06

20.00

LIP LINE AE

HORIZONTAL GEOMETRY

VERTICAL GEOMETRY

DATUM RL244

DESIGN LEVEL

EXISTING SURFACE

NORTHING

EASTING

CHAINAGE

AF1

AF2

AF3

CH3.99
RL244.9

-1.36%

-0.51%

1.13%

L=7.98m VC

L=7.98m VC

2%

244.92

244.91

244.91

244.94

244.97

244.99

245.07

245.15

245.78

245.74

245.71

245.74

245.78

245.83

245.96

(null)

5844438.81

5844436.33

5844434.84

5844431.05

5844429.43

5844428.16

5844426.79

(null)

322640.87

322640.57

322640.53

322641.95

322642.85

322644.35

322648.06

(null)

0.00

2.50

3.99

7.98

10.00

11.97

15.96

20.00

LIP LINE AF

NOTES

1.

ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0.75m FROM PITS.

2.

ALL PRAM CROSSINGS TO BE MINIMUM OF 2.0m FROM VEHICLE CROSSINGS.

3.

VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.

4.

INDUSTRIAL DRIVEWAYS TO COUNCIL RESERVES TO BE PROVIDED AS PART OF LANDSCAPE WORKS.

5.

SHARE PATH THROUGH CREEK CORRIDOR TO FORM PART OF LANDSCAPE WORKS.

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	12.12.25	ISSUED TO COUNCIL FOR APPROVAL	L.CHAPPLE	Y.SONG	T.MOTET	G.CORREIA

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PLAN OF SUB. NO.

PERMIT REF. NO.

719067

SUBJECT TO APPROVAL

0 5 10 20

0 0.5 1 2

Scale H1:500, V1:50

0 2 4 8

Scale 1:200

SCALE AS SHOWN AT A1

smec

an company

ABN 47 065 475 149

Collins Square, Tower 4, Level 20, 727 Collins St

Melbourne, VIC 3008

Ph 03 9514 1500

Olivine Estate - Stage 33

Whittlesea City Council

Road and Drainage

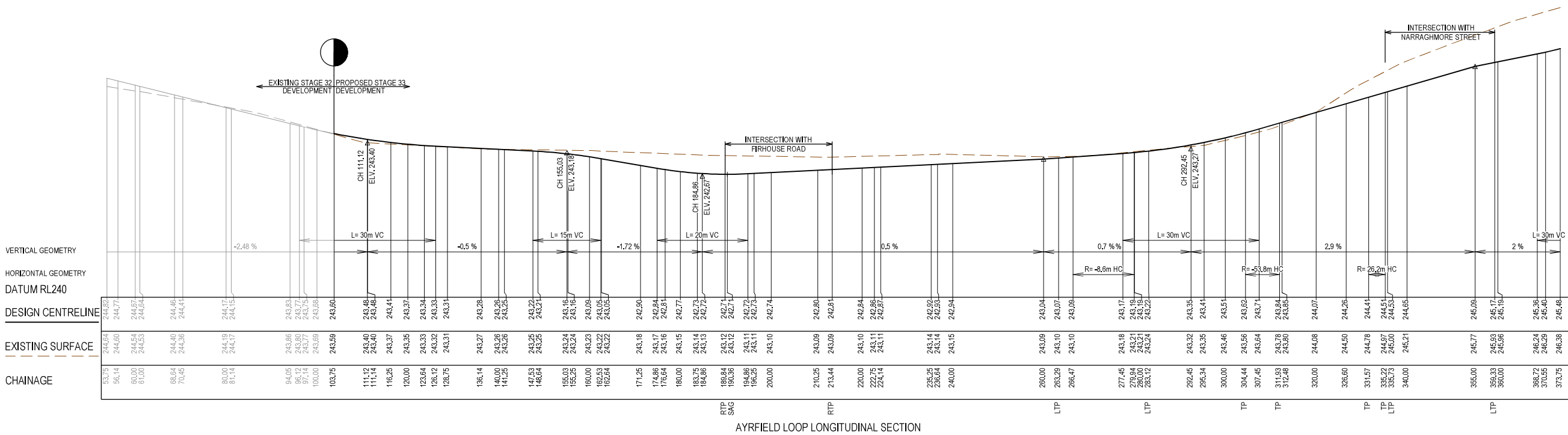
Intersection Detail Plan - 2

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
367 G11	1700E-033-182	05 of 21	A

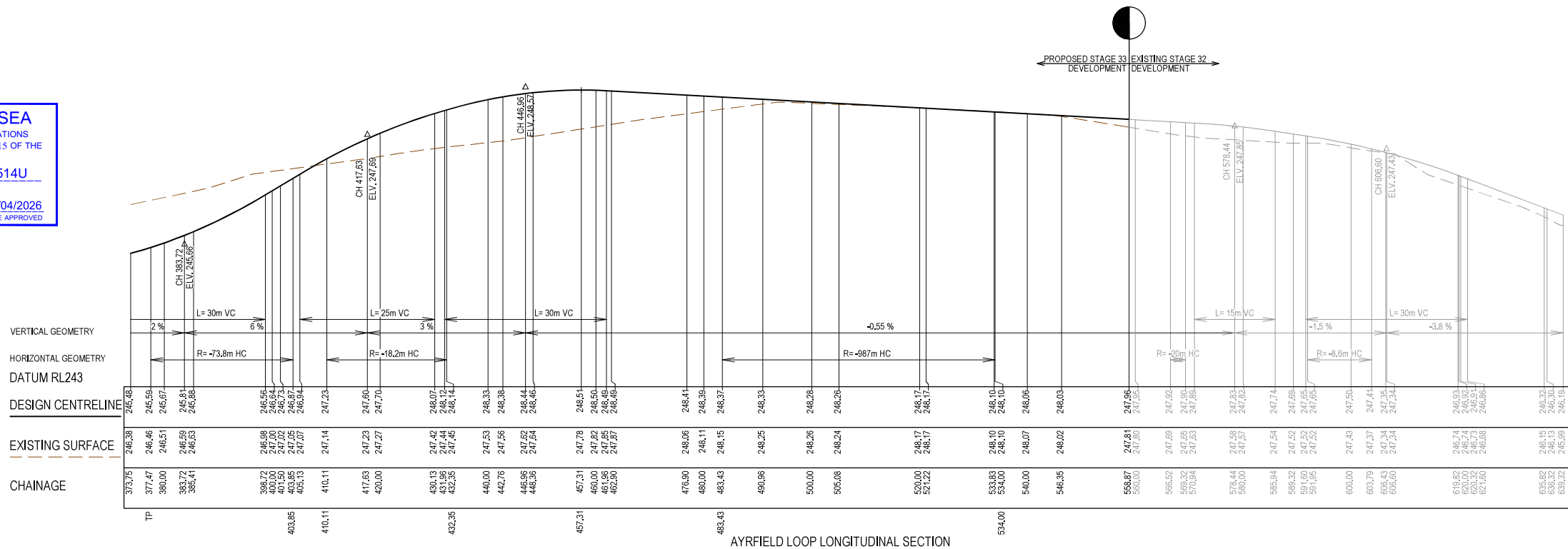
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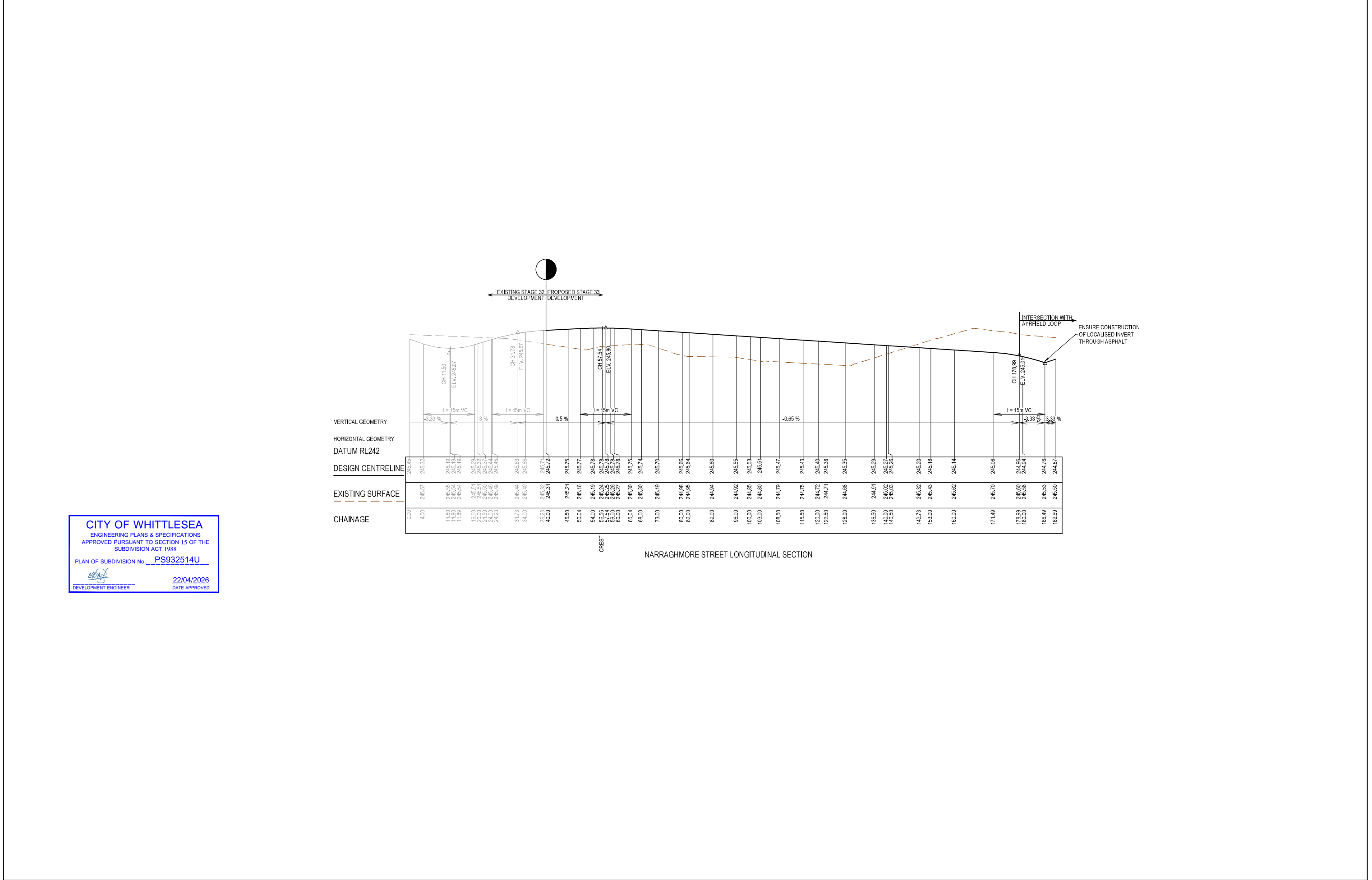
PRINTED BY: LC20143 on 12/12/2025 at 02:42:39 PM

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CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS932514U
DEVELOPMENT ENGINEER
22/04/2026
DATE APPROVED





REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER	Quality Management - ISO 9001 Global-Mark.com.au® OH&S Management - AS/NZS 4844 Global-Mark.com.au® Environmental Management - ISO 14001 Global-Mark.com.au® PLAN OF SUB. NO. PERMIT REF. NO. 719067 01020 00.5112 Scale H1:500, V1:50 SCALE AS SHOWN AT A1 smec an  company © ABN 47 065 475 149 Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008 Ph 03 9514 1500  mirvac			Olivine Estate - Stage 33 Whittlesea City Council Road and Drainage Longitudinal Sections - 2			
A	12.12.25	ISSUED TO COUNCIL FOR APPROVAL	L.CHAPPLE	Y.SONG	T.MOTET	G.CORREIA	SUBJECT TO APPROVAL			MELWAYS REF 367 G11	PROJECT / DRAWING No. 1700E-033-202	SHEET No. 07 of 21	REVISION A

TYPE A STRUCTURAL FILL AT A 45° ANGLE OF REPOSE REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. **PS932514U**
22/04/2026
DEVELOPMENT ENGINEER DATE APPROVED

DATUM242.0	
DESIGN SURFACE	
EXISTING SURFACE	
OFFSET	

CH 295.34

DATUM242.0	
DESIGN SURFACE	
EXISTING SURFACE	
OFFSET	

LTPCH 283.12

DATUM242.0	
DESIGN SURFACE	
EXISTING SURFACE	
OFFSET	

LTPCH 263.29

DATUM241.0	
DESIGN SURFACE	
EXISTING SURFACE	
OFFSET	

CH 235.25

DATUM241.0	
DESIGN SURFACE	
EXISTING SURFACE	
OFFSET	

CH 222.75

DATUM244.0	
DESIGN SURFACE	
EXISTING SURFACE	
OFFSET	

CH 370.55

DATUM244.0	
DESIGN SURFACE	
EXISTING SURFACE	
OFFSET	

LTPCH 359.33

DATUM243.0	
DESIGN SURFACE	
EXISTING SURFACE	
OFFSET	

TPCH 335.73

DATUM243.0	
DESIGN SURFACE	
EXISTING SURFACE	
OFFSET	

CH 326.60

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER	PLAN OF SUB. NO.
A	12.12.25	ISSUED TO COUNCIL FOR APPROVAL	L.CHAPPLE	Y.SONG	T.MOTET	G.CORREIA	
B	19.01.26	INDICATIVE CAMERON ST DESIGN SURFACE ADDED	Y.SONG	Y.SONG	T.MOTET	G.CORREIA	

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SUBJECT TO APPROVAL

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT 1

smec
an sbs company
ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

mirvac

Olive Estate - Stage 33
Whittlesea City Council
Road and Drainage
Cross Sections: Ayrfield Loop
Ch 222.75 - Ch 370.55

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
367 G11	1700E-033-252	09 of 21	B

CITY OF WHITTLESEA

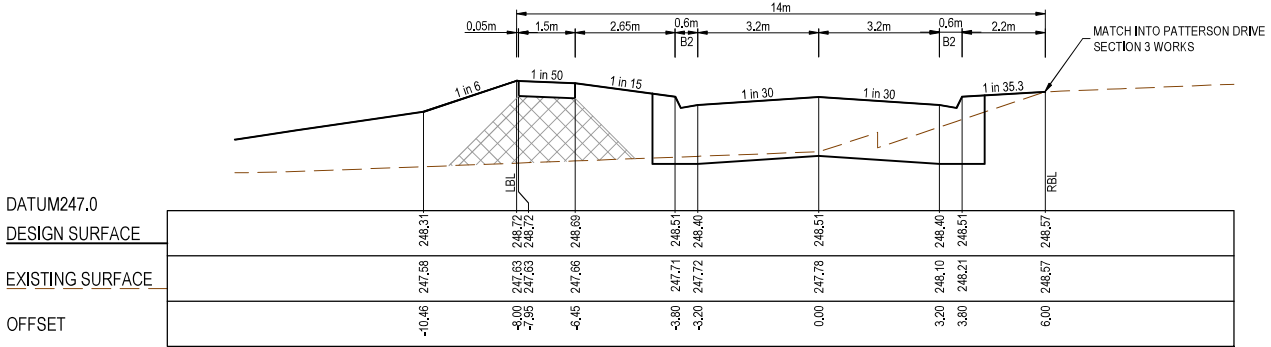
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. **PS932514U**

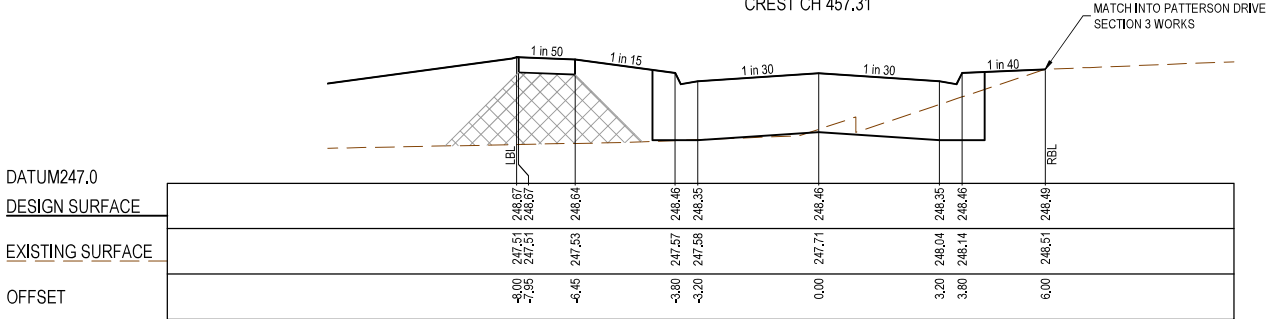
 DEVELOPMENT ENGINEER

22/04/2026
DATE APPROVED

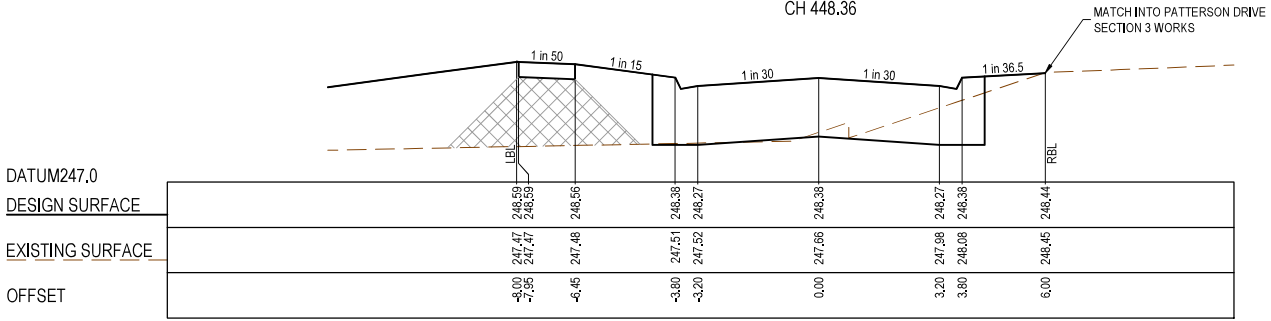
TYPE A STRUCTURAL FILL AT A 45° ANGLE
OF REPOSE REQUIRED UNDER PAVEMENT
AND FOOTPATHS WHERE CONSTRUCTED
ABOVE EXISTING SURFACE



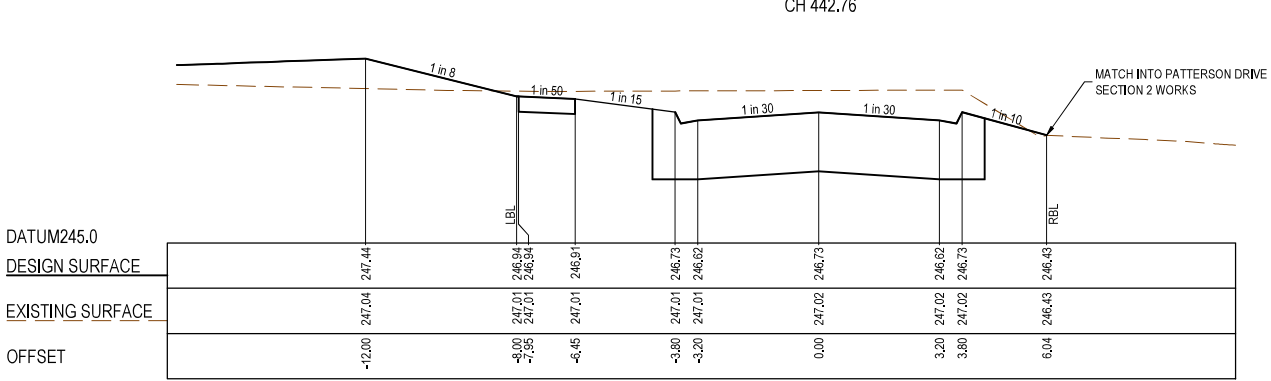
CREST CH 457.31



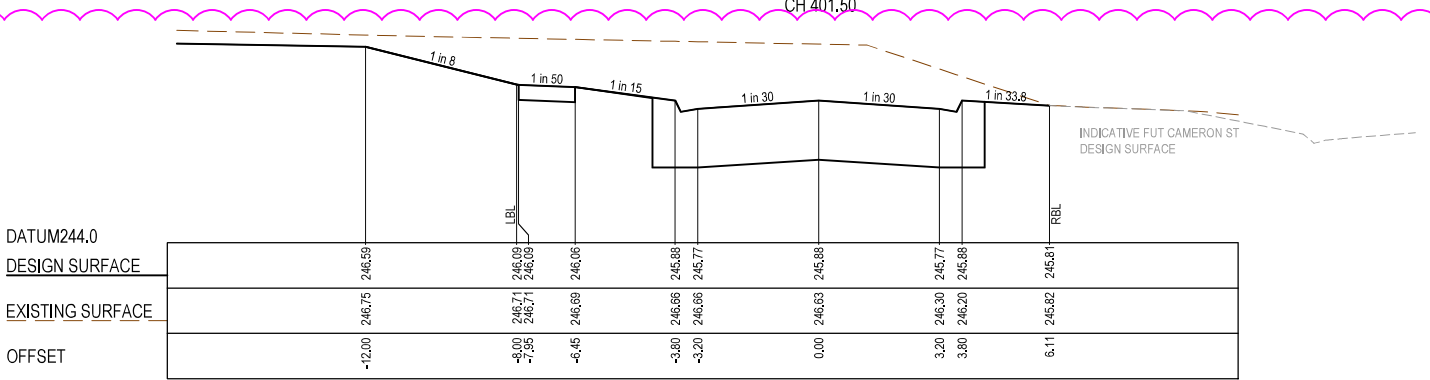
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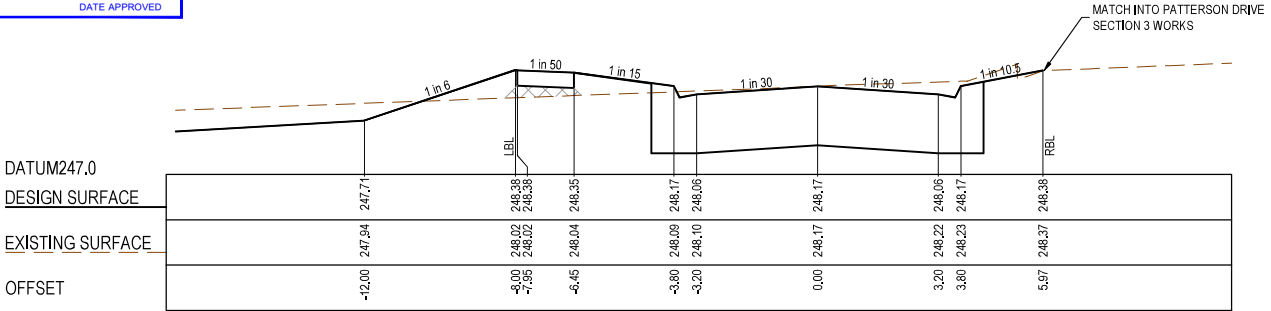
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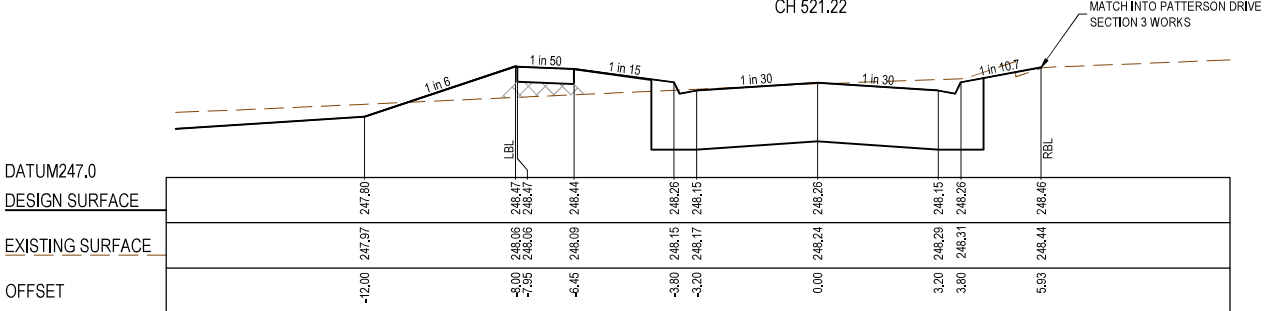
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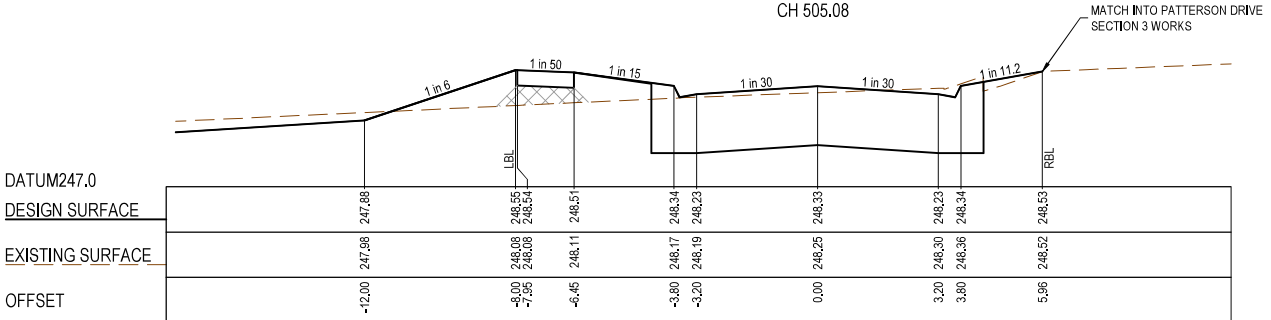
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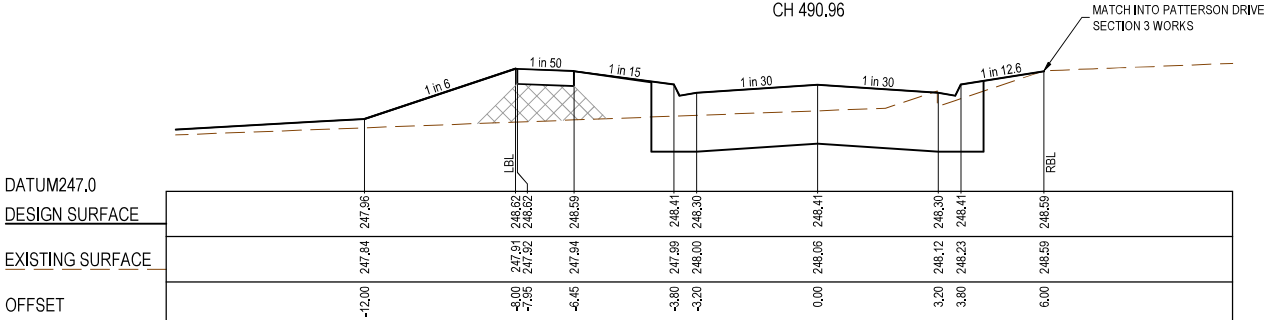
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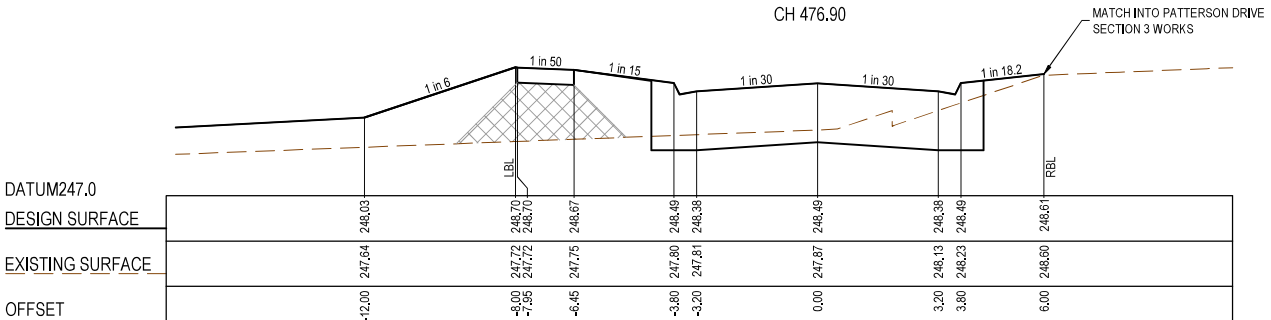
CH 505.08



CH 490.96



CH 476.90



CH 462.90

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	12.12.25	ISSUED TO COUNCIL FOR APPROVAL	L.CHAPPLE	Y.SONG	T.MOTET	G.CORREIA
B	19.01.26	INDICATIVE CAMERON ST DESIGN SURFACE ADDED	Y.SONG	Y.SONG	T.MOTET	G.CORREIA

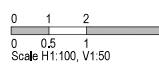
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PLAN OF SUB. NO.
PERMIT REF. NO.
719067

SUBJECT TO APPROVAL


0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

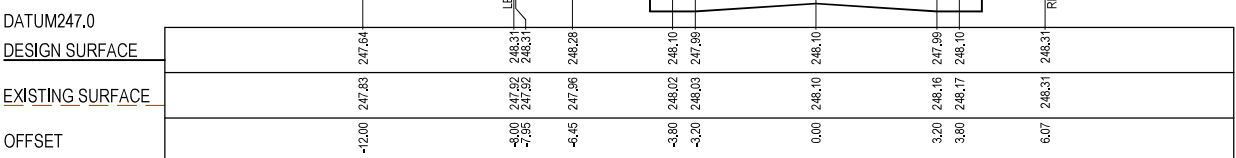
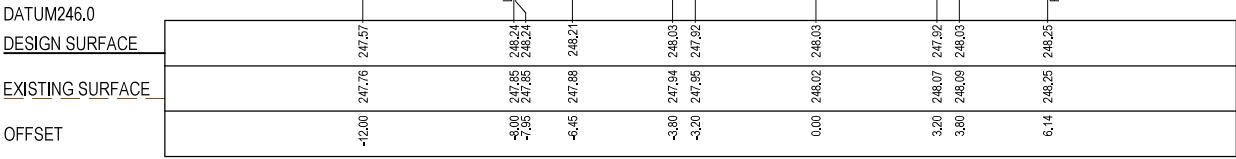
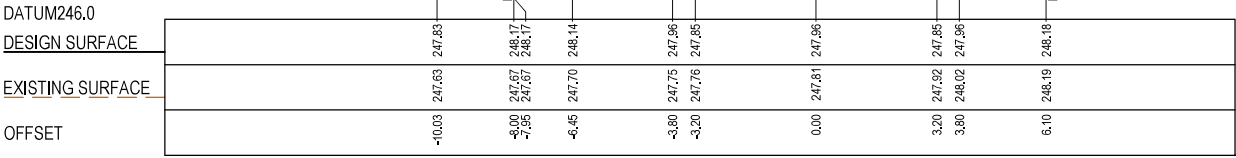

an  company

ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500



Olivine Estate - Stage 33
Whittlesea City Council
Road and Drainage
Cross Sections: Ayrfield Loop
Ch 385.41 - Ch 521.22

MELWAYS REF 367 G11	PROJECT / DRAWING No. 1700E-033-253	SHEET No. 10 of 21	REVISION B
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CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS932514U

22/04/2026
CITY OF WHITTLESEA
CITY ENGINEER

[illegible]

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS

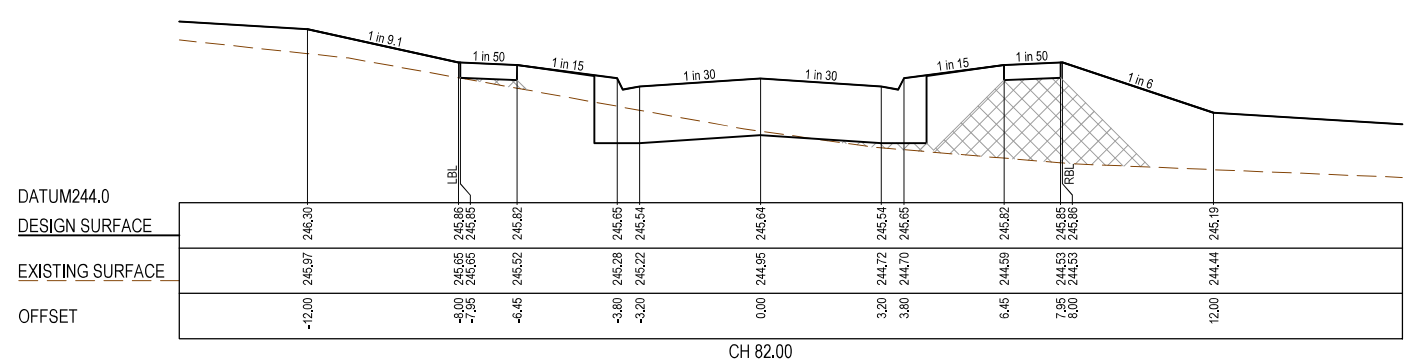
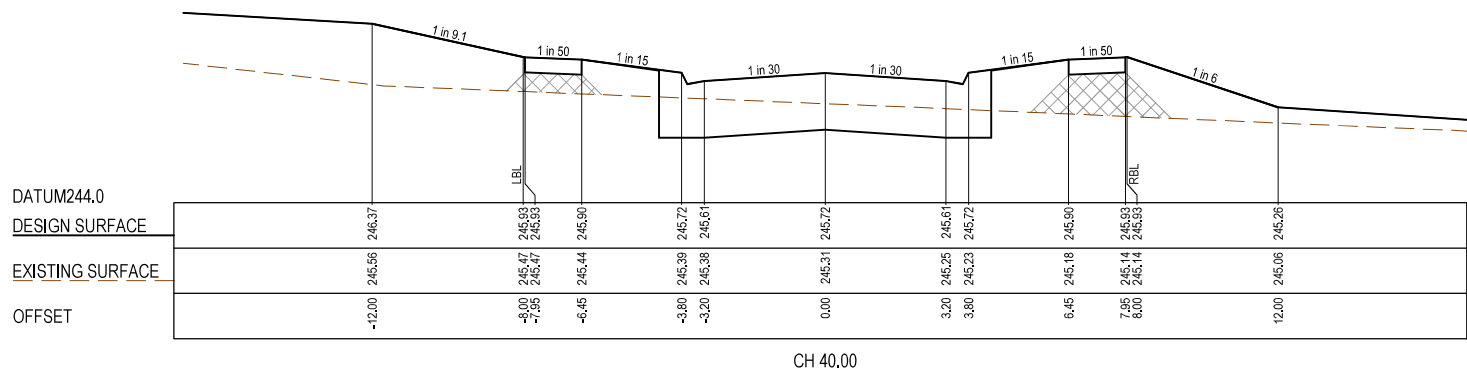
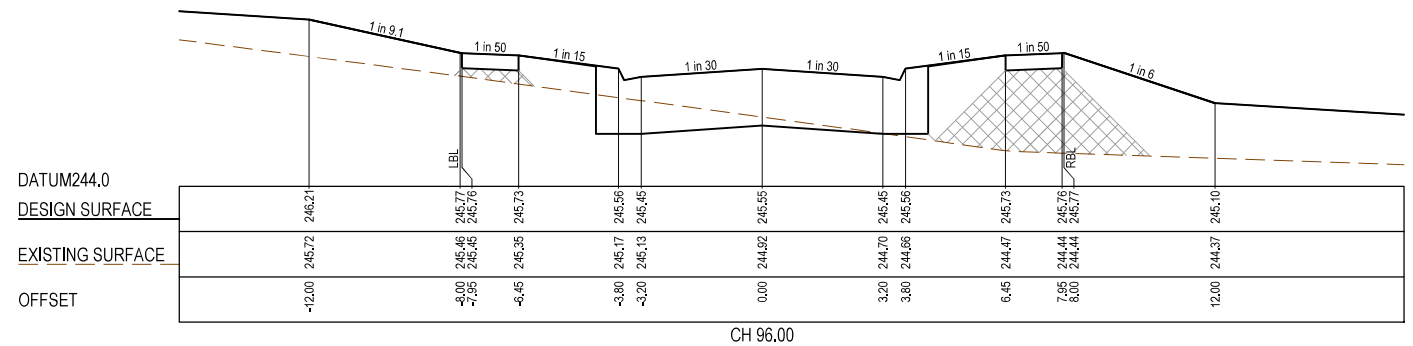
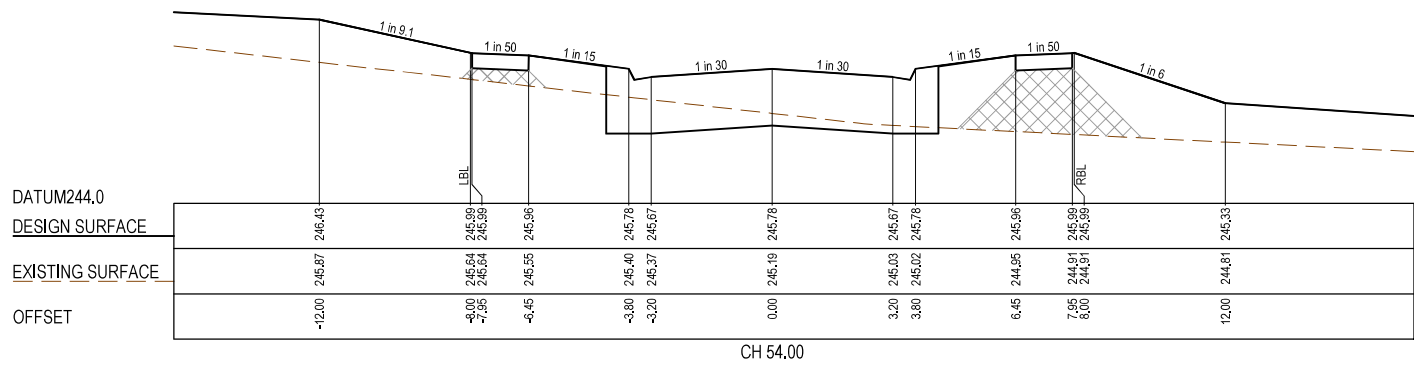
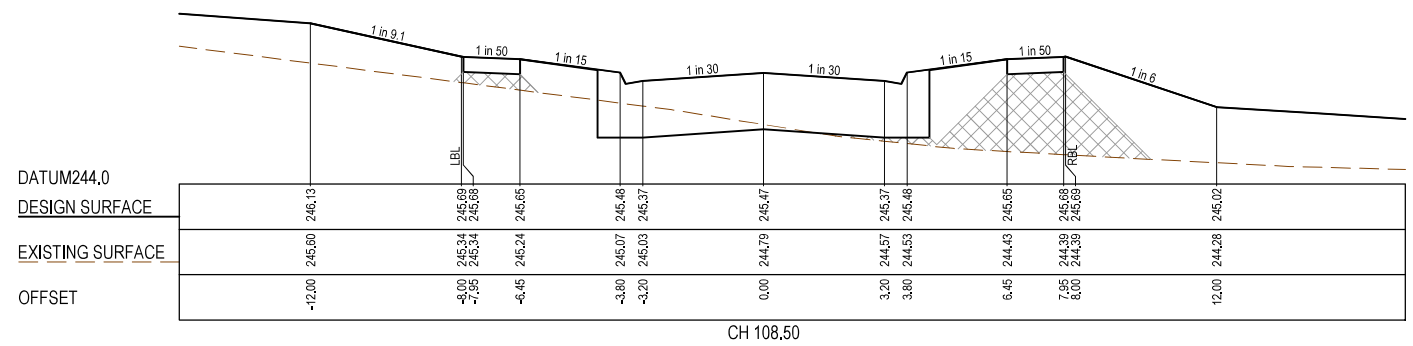
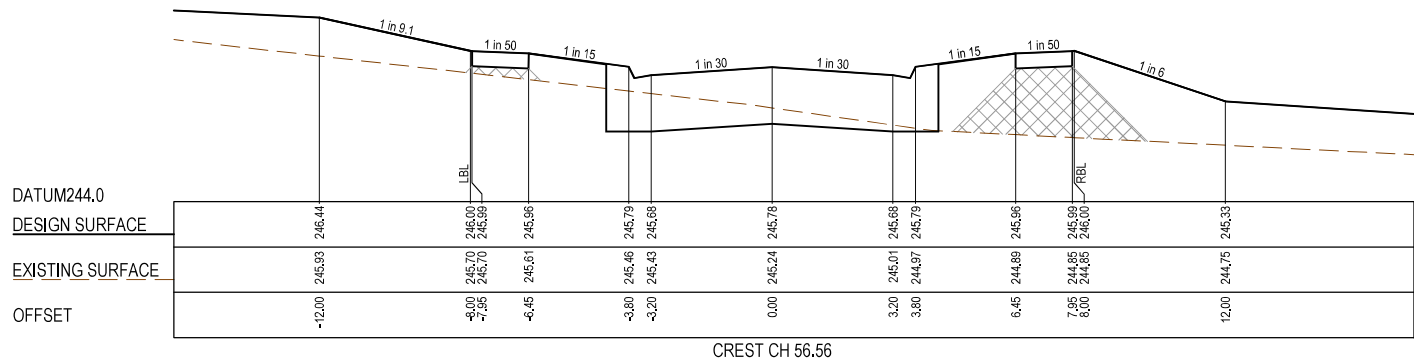
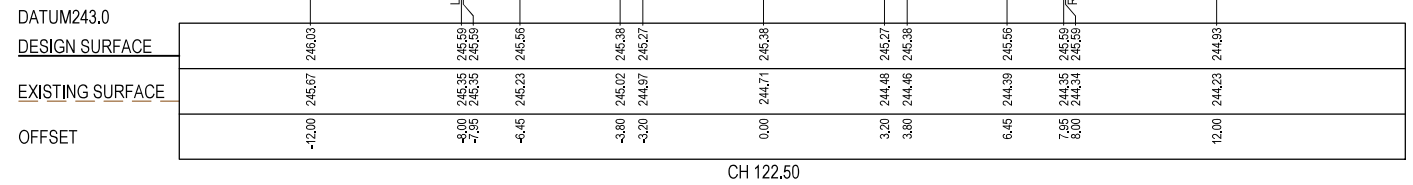
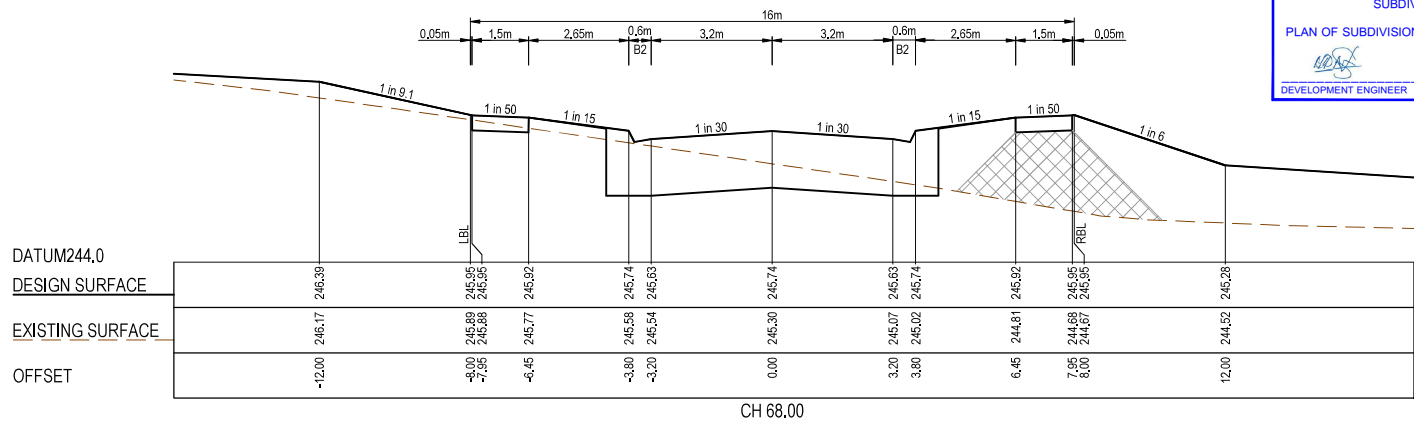
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. **PS932514U**

22/04/2026

DATE APPROVED

TYPE A STRUCTURAL FILL AT A 45° ANGLE OF REPOSE REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



REV

DATE

AMENDMENT / REVISION DESCRIPTION

A

12.12.25

ISSUED TO COUNCIL FOR APPROVAL

DRAFTER

DESIGNER

CHECKER

APPROVER

L.CHAPPLE

Y.SONG

T.MOTET

G.CORREIA

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Environmental Management - ISO 14001

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PLAN OF SUB. NO.

PERMIT REF. NO.

719067

0 1 2 4

0 0.5 1 2

Scale H1:100, V1:50

SCALE AS SHOWN AT A1

smec

an company

ABN 47 065 475 149

Collins Square, Tower 4, Level 20, 727 Collins St

Melbourne, VIC 3008

Ph 03 9514 1500

Olivine Estate - Stage 33

Whittlesea City Council

Road and Drainage

Cross Sections: Narragmore Street

Ch 40.00 - Ch 122.50

MELWAYS REF

PROJECT / DRAWING No.

SHEET No.

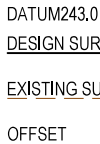
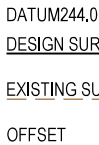
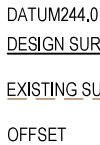
REVISION

367 G11

1700E-033-255

12 of 21

A

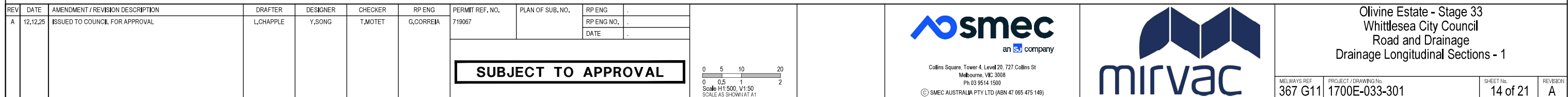
PLAN OF SUBDIVISION No. PS932514U

1082

DEVELOPMENT ENGINEER

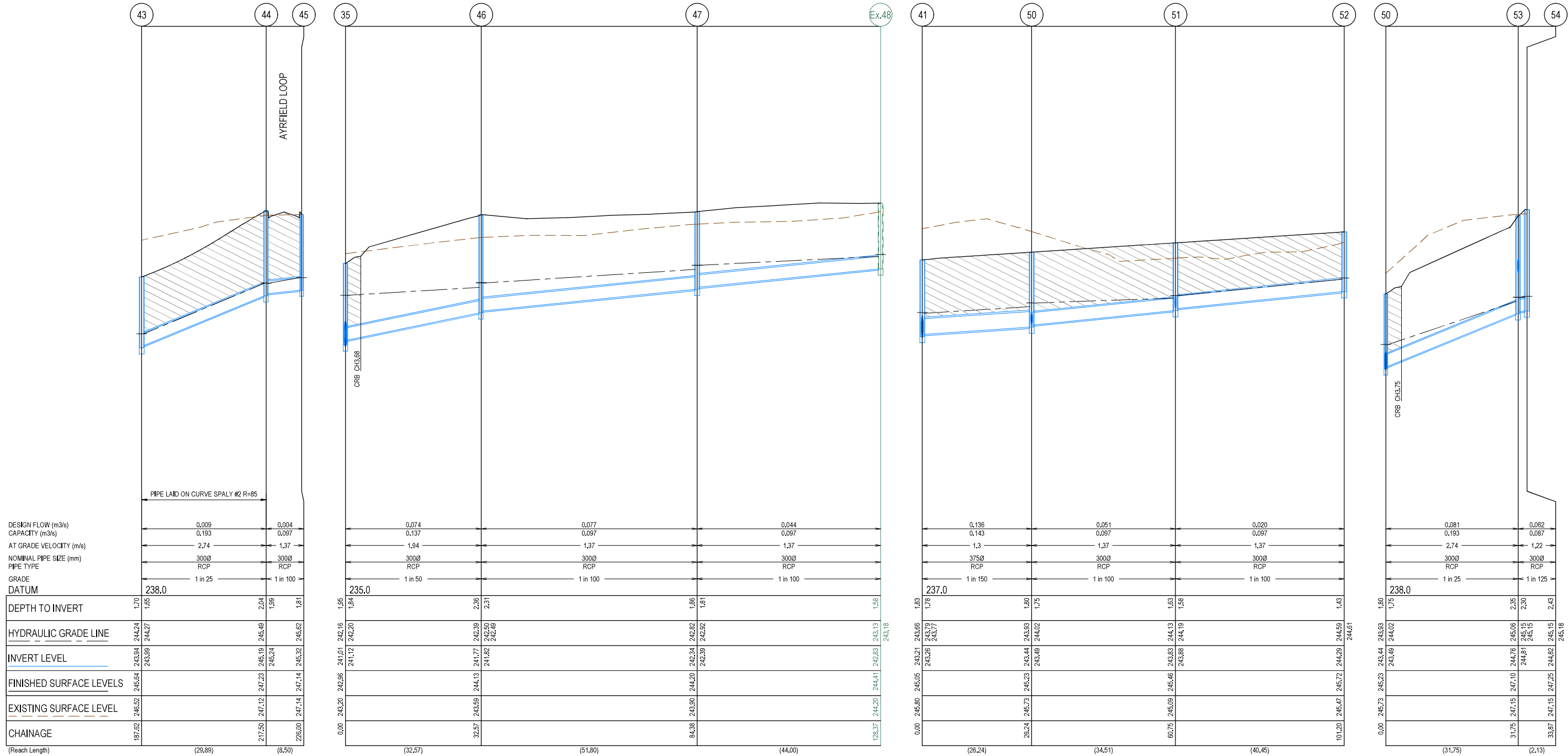
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A	12.12.25	ISSUED TO COUNCIL FOR APPROVAL	L.CHAPPEL	Y.SONG	T.MOTET	G.CORREIA	01234 00.51 Scale H1:100, V1:50 SCALE AS SHOWN AT A1		an sm company ABN 47 065 475 149 Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008 Ph 03 9514 1500				MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION		
												367 G11	1700E-033-256	13 of 21	A			

CITY OF WHITTLESEA	
ENGINEERING PLANS & SPECIFICATIONS	
APPROVED PURSUANT TO SECTION 15 OF THE	
SUBDIVISION ACT 1988	
PLAN OF SUBDIVISION No. _____	PS932514U
	22/04/2026
DEVELOPMENT ENGINEER	DATE APPROVED



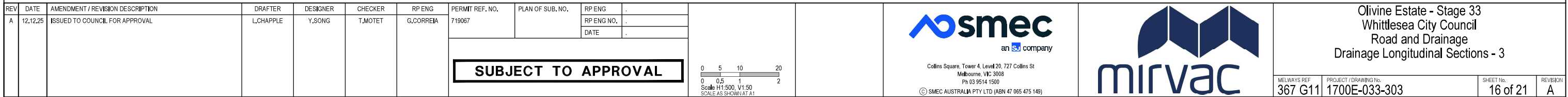
CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE
WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS
SPECIFIED OTHERWISE

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS932514U
22/04/2026
DATE APPROVED



REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	RP ENG	PERMIT REF. NO.	PLAN OF SUB. NO.	RP ENG	-
A	12.12.25	ISSUED TO COUNCIL FOR APPROVAL	L.CHAPPLE	Y.SONG	T.MOTET	G.CORREIA	719067		RP ENG NO.	-
									DATE	-
SUBJECT TO APPROVAL										
051020 00.512 Scale H1:500, V1:50 SCALE AS SHOWN AT A1 smec an  company Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008 Ph 03 9514 1500 © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 146)  										
MELWAYS REF		PROJECT / DRAWING No.		SHEET No.		REVISION				
367 G11		1700E-033-302		15 of 21		A				

CITY OF WHITTLESEA	
ENGINEERING PLANS & SPECIFICATIONS	
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988	
PLAN OF SUBDIVISION No.	<u>PS932514U</u>
	<u>22/04/2026</u>
DEVELOPMENT ENGINEER	DATE APPROVED



CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE
WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS
SPECIFIED OTHERWISE

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

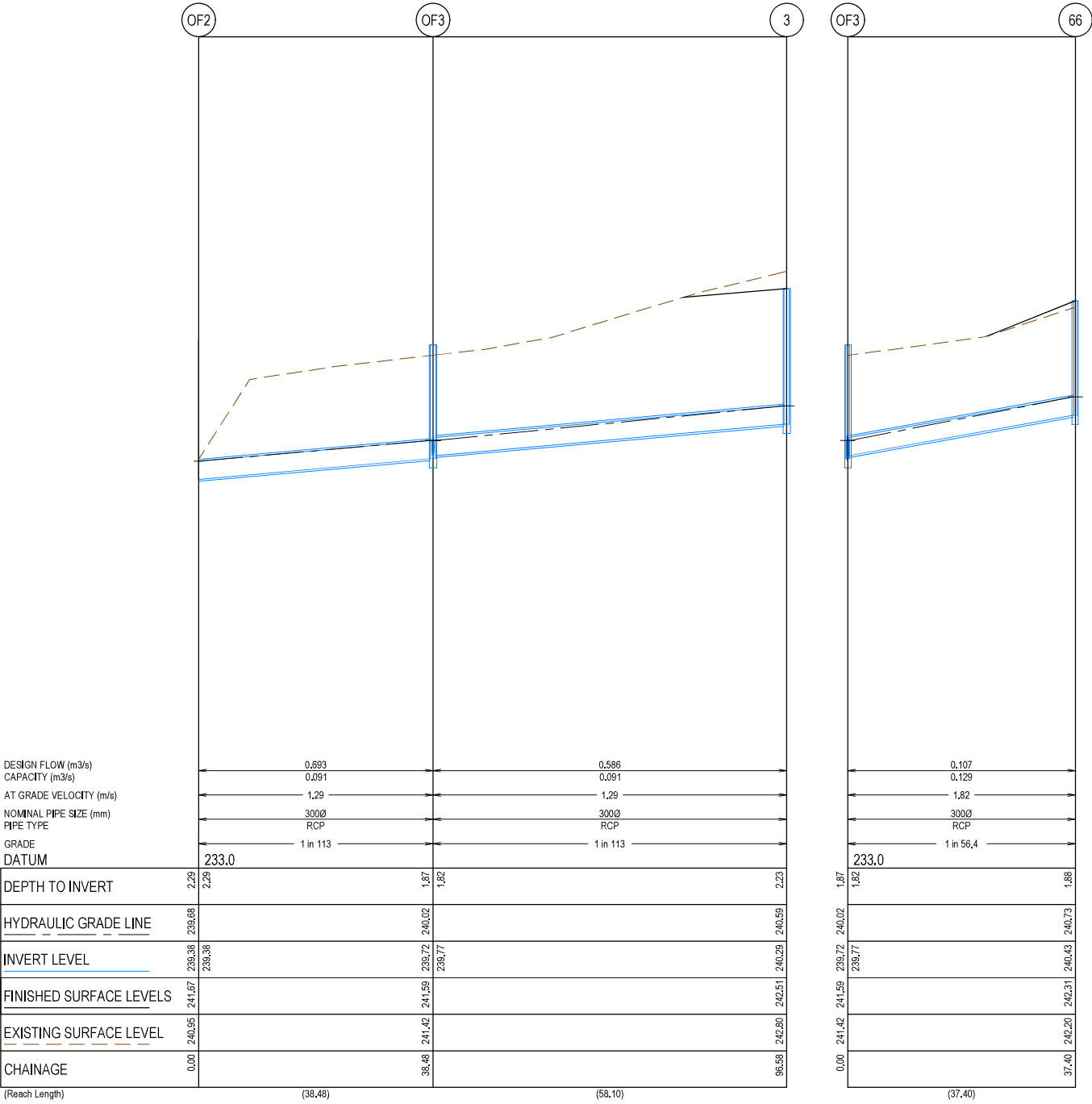
PLAN OF SUBDIVISION No. PS932514U



22/04/2026

DEVELOPMENT ENGINEER

DATE APPROVED



CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS

APPROVED PURSUANT TO SECTION 15 OF THE

SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. PS932514U



22/04/2026

DEVELOPMENT ENGINEER

DATE APPROVED

PIT SCHEDULE											
PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		F.S.L.	DEPTH	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INVR.L. (m)	DIAMETER (mm)	INVR.L. (m)				
Ex.17	GRADED ENTRY PIT	600	900	300	246.82			248.30	1.73	EDCM 601	CONNECT TO EXISTING PIT CONSTRUCTED IN STAGE 32, CONVERT PIT TO GRATED ENTRY PIT AS PER EDCM 601
18	GRADED ENTRY PIT	600	900			300	246.71	248.31	1.61	EDCM 601 & 605	
3	JUNCTION PIT	1200	900	600	240.34			242.51	2.23	EDCM 607	PIT TO BE HAUNCHED TO 600 x 900 COVER, PIT CONVERSION TO SINGLE GRATED ENTRY PIT TO BE COMPLETED AS PART OF FUT STAGE 36 WORKS, PROVIDE DN600 BLOCK OUT ON WESTERN PIT WALL AT IL240.29 FOR FUTURE CONNECTION, 1200x900 (20mm DIA BAR WITH 80mm GAP WIDTH) BUBBLE UP PIT FOR TEMP OUTFALL ARRANGEMENT.
4	DOUBLE GRATED ENTRY PIT	1200	900	600	240.51	600	240.46	242.76	2.31	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600 x 900 COVER
5	DOUBLE GRATED ENTRY PIT	750	900	450	240.67	600	240.59	242.75	2.15	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600 x 900 COVER
6	GRADED ENTRY PIT	600	900	450	241.20	450	241.15	243.25	2.10	EDCM 601 & 605	
Ex.7	GRADED ENTRY PIT	600	900	450	241.68	450	241.63	243.53	1.90	EDCM 601	CONNECT TO EXISTING PIT CONSTRUCTED IN STAGE 32, CONVERT PIT TO GRATED ENTRY PIT AS PER EDCM 601
30	GRADED ENTRY PIT	600	900			300	241.81	243.62	1.81	EDCM 601 & 605	
34	GRADED ENTRY PIT	750	900	525	240.86	525	240.81	242.85	2.04	EDCM 601 & 607	PIT TO BE HAUNCHED TO 600 x 900 COVER
35	GRADED ENTRY PIT	750	900	450	241.06	525	241.01	242.96	1.95	EDCM 601 & 607	PIT TO BE HAUNCHED TO 600 x 900 COVER
36	GRADED ENTRY PIT	600	900	450	241.29	450	241.24	243.10	1.86	EDCM 601 & 605	
37	GRADED ENTRY PIT	600	900	450	241.45	450	241.40	243.26	1.86	EDCM 601 & 605	
38	GRADED ENTRY PIT	600	900	450	242.07	450	242.02	243.89	1.87	EDCM 601 & 605	
39	GRADED ENTRY PIT	600	900	450	242.70	450	242.65	244.54	1.90	EDCM 601 & 605	
40	GRADED ENTRY PIT	600	900	450	243.04	450	242.99	245.03	2.04	EDCM 601 & 605	
41	DOUBLE GRATED ENTRY PIT	600	900	300	243.29	450	243.21	245.05	1.84	EDCM 602 & 605	
42	GRADED ENTRY PIT	600	900	375	243.26	300	243.53	245.22	1.69	EDCM 601 & 605	
43	GRADED ENTRY PIT	600	900	300	243.58	300	243.58				
44	GRADED ENTRY PIT	600	900	300	243.99	300	243.94	245.64	1.70	EDCM 601 & 605	
45	GRADED ENTRY PIT	600	900	300	245.24	300	245.19	247.23	2.04	EDCM 601 & 605	
46	GRADED ENTRY PIT	600	900			300	245.32	247.14	1.82	EDCM 601 & 605	
46	JUNCTION PIT	600	900	300	241.82	300	241.77	244.13	2.36	EDCM 605	
47	JUNCTION PIT	600	900	300	242.39	300	242.34	244.20	1.86	EDCM 605	
Ex.48	JUNCTION PIT	600	900			300	242.83	244.41	1.58		CONNECT TO EXISTING PIT
50	GRADED ENTRY PIT	600	900	300	243.49	375	243.44	245.23	1.80	EDCM 601 & 605	
51	GRADED ENTRY PIT	600	900	300	243.49	300	243.83	245.46	1.63	EDCM 601 & 605	
52	GRADED ENTRY PIT	600	900	300	243.88	300	243.88				
53	GRADED ENTRY PIT	600	900	300	244.81	300	244.76	247.11	2.35	EDCM 605	
54	JUNCTION PIT	600	900	300	245.76	300	244.87	247.25	2.43	EDCM 605	
Ex.55	JUNCTION PIT	600	900			300	244.82	247.05	1.56		CONNECT TO EXISTING PIT
58	JUNCTION PIT	600	900			300	245.48	247.05	1.56		
58	JUNCTION PIT	600	900			300	245.96	248.04	2.08	EDCM 605	
59	GRADED ENTRY PIT	600	900			300	245.96	248.04	2.08	EDCM 605	
59	GRADED ENTRY PIT	600	900			300	241.33	243.28	1.95	EDCM 601 & 605	
60	GRADED ENTRY PIT	600	900			300	241.01	242.85	1.84	EDCM 601 & 605	
61	GRADED ENTRY PIT	600	900			300	241.40	243.10	1.70	EDCM 601 & 605	
62	GRADED ENTRY PIT	600	900			300	242.18	243.88	1.71	EDCM 601 & 605	
63	GRADED ENTRY PIT	600	900			300	243.66	245.20	1.54	EDCM 601 & 605	
64	GRADED ENTRY PIT	600	900			300	243.57	245.23	1.66	EDCM 601 & 605	
65	GRADED ENTRY PIT	600	900			300	243.99	245.50	1.51	EDCM 601 & 605	
66	JUNCTION PIT	600	900	300	240.49			242.31	1.88	EDCM 605	600x900 (20mm DIA BAR WITH 80mm GAP WIDTH) BUBBLE UP PIT FOR TEMP OUTFALL ARRANGEMENT
67	JUNCTION PIT	600	900	300	241.13	300	241.08	242.71	1.63	EDCM 605	
Ex.68	JUNCTION PIT	600	900			300	241.90	243.57	1.67		CONNECT TO EXISTING PIT
OF2	ENDPIPE			300	239.38			241.68	0.00		TEMPORARY SAND BAG ENDWALL
OF3	GRADED ENTRY PIT	600	900	300	239.77	300	239.72	241.59	1.87		



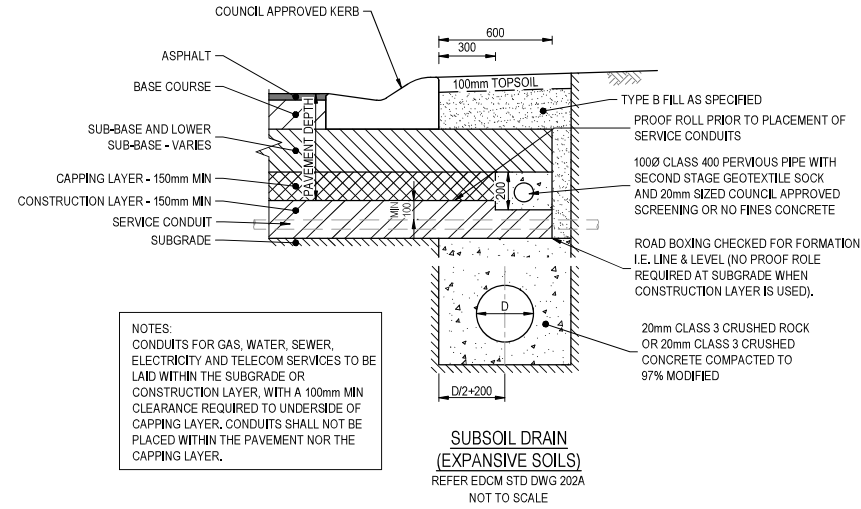
CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS932514U
22/04/2026
DATE APPROVED

ROAD PAVEMENT COMPOSITION - ACCESS PLACE TYPE 1
(NARRAGHMORE STREET)

750mm DEPTH PAVEMENT COMPOSITION		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
A ASPHALT WEARING COURSE	30	SIZE 10 TYPE L ASPHALT (CLASS 320 BINDER)
B ASPHALT BASE COURSE	30	SIZE 10 TYPE N ASPHALT (CLASS 320 BINDER)
C SAMI SEAL	6,7	SIZE 10 S18RF
D PRIME	YES	
E BASE COURSE	130	SIZE 20 CLASS 2 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY OF 98% MOD (MODIFIED) AS1289.5.2.1
F UPPER SUBBASE	100	CLASS 3 CRUSHED ROCK (OR HIGHER QUALITY MATERIAL) COMPACTED TO A MINIMUM DENSITY OF 98% MOD (MODIFIED) AS1289.5.2.1
G LOWER SUBBASE	160	CLASS 4 CRUSHED ROCK (OR HIGHER QUALITY MATERIAL) COMPACTED TO A MINIMUM DENSITY OF 98% MOD (MODIFIED) AS1289.5.2.1
H CAPPING LAYER	150	IMPORTED TYPE A FILL WITH CBR≥8% SWELL≤1.5% PERMEABILITY k≤5x10 ⁻⁹ m/s COMPACTED TO 98% MDD (STANDARD)
I CONSTRUCTION LAYER	150	IMPORTED TYPE A FILL WITH CBR≥8% SWELL≤1.5% PERMEABILITY k≤5x10 ⁻⁹ m/s COMPACTED TO 98% MDD (STANDARD)
J SUBGRADE		SUBGRADE CLAY AS FOUND (DESIGN CBR = 2% EXPANSIVE)

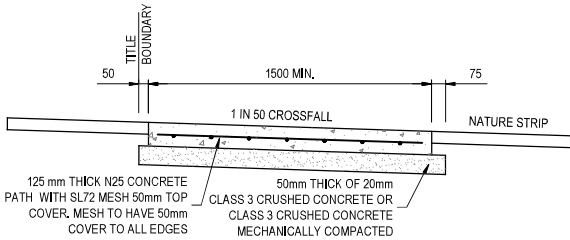
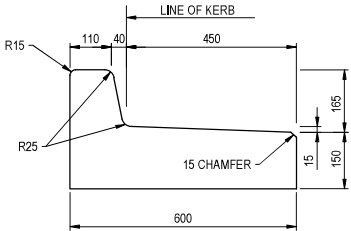
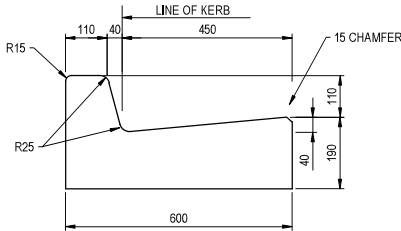
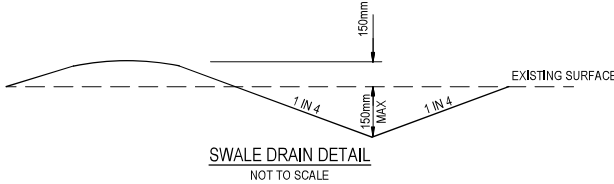
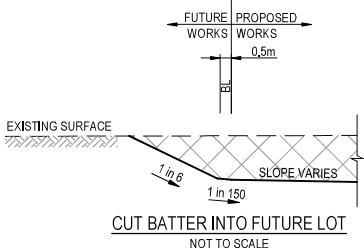
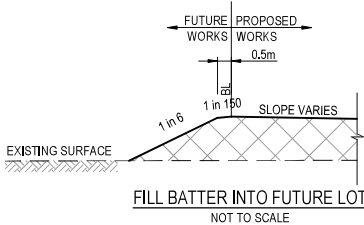
ROAD PAVEMENT COMPOSITION - ACCESS PLACE TYPE 2
(AYRFIELD LOOP LOTS 3334 TO 3344)

780mm DEPTH PAVEMENT COMPOSITION		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
A ASPHALT WEARING COURSE	30	SIZE 10 TYPE L ASPHALT (CLASS 320 BINDER)
B ASPHALT BASE COURSE	30	SIZE 10 TYPE N ASPHALT (CLASS 320 BINDER)
C SAMI SEAL	6,7	SIZE 10 S18RF
D PRIME	YES	
E BASE COURSE	130	SIZE 20 CLASS 2 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY OF 98% MOD (MODIFIED) AS1289.5.2.1
F UPPER SUBBASE	110	CLASS 3 CRUSHED ROCK (OR HIGHER QUALITY MATERIAL) COMPACTED TO A MINIMUM DENSITY OF 98% MOD (MODIFIED) AS1289.5.2.1
G LOWER SUBBASE	180	CLASS 4 CRUSHED ROCK (OR HIGHER QUALITY MATERIAL) COMPACTED TO A MINIMUM DENSITY OF 98% MOD (MODIFIED) AS1289.5.2.1
H CAPPING LAYER	150	IMPORTED TYPE A FILL WITH CBR≥8% SWELL≤1.5% PERMEABILITY k≤5x10 ⁻⁹ m/s COMPACTED TO 98% MDD (STANDARD)
I CONSTRUCTION LAYER	150	IMPORTED TYPE A FILL WITH CBR≥8% SWELL≤1.5% PERMEABILITY k≤5x10 ⁻⁹ m/s COMPACTED TO 98% MDD (STANDARD)
J SUBGRADE		SUBGRADE CLAY AS FOUND (DESIGN CBR = 2% EXPANSIVE)



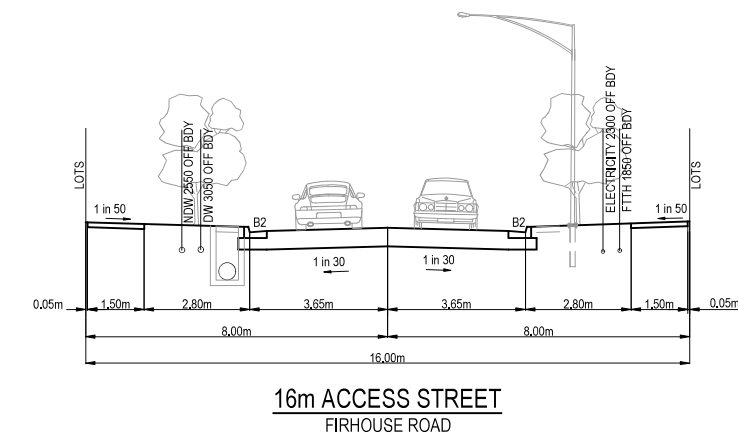
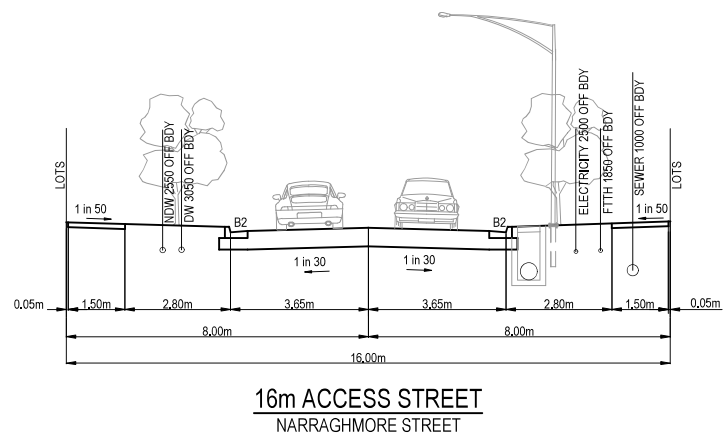
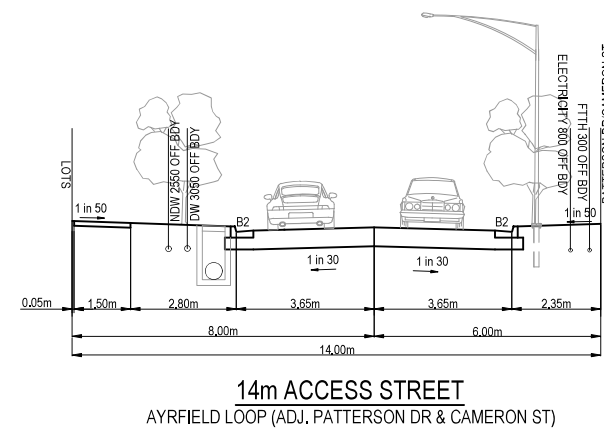
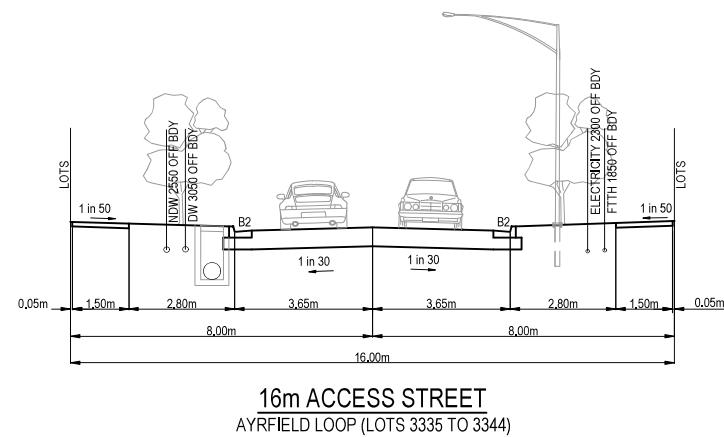
NOTES:
CONDUITS FOR GAS, WATER, SEWER, ELECTRICITY AND TELECOM SERVICES TO BE LAID WITHIN THE SUBGRADE OR CONSTRUCTION LAYER, WITH A 100mm MIN CLEARANCE REQUIRED TO UNDERSIDE OF CAPPING LAYER, CONDUITS SHALL NOT BE PLACED WITHIN THE PAVEMENT NOR THE CAPPING LAYER.

NOTE:
CONCRETE SHALL BE CURED IN ACCORDANCE WITH AS3600 AND NOT TO BE TRAFFICKED UNTIL AT LEAST SEVEN DAYS AFTER POURING.



REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER	PLAN OF SUB. NO.	PERMIT REF. NO.	719067	0	10	20	40	Scale 1:1000	Scale AS SHOWN AT A1	© ABN 47 065 475 149	Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008 Ph 03 9514 1500	mirvac	Olivine Estate - Stage 33 Whittlesea City Council Road and Drainage Pavement Details	MELWAYS REF 367 G11	PROJECT / DRAWING No. 1700E-033-411	SHEET No. 19 of 21	REVISION B
A	12.12.25	ISSUED TO COUNCIL FOR APPROVAL	L.CHAPPLE	Y.SONG	T.MOTET	G.CORREIA																	
B	10.04.26	KIOSK SIZE AMENDED TO 8.0 X 5.2 METRES	J.HICKS	Y.SONG	T.MOTET	G.CORREIA																	

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CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS932514U

DEVELOPMENT ENGINEER
22/04/2026
DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER	Global Management - ISO 9001	Global Management - AS/NZS 18001	Global Management - ISO 14001	PLAN OF SUB. NO.	PERMIT REF. NO.	719067	SUBJECT TO APPROVAL	SCALE AS SHOWN AT A1	smec	an company	mirvac	MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
A	12.12.25	ISSUED TO COUNCIL FOR APPROVAL	L.CHAPPLE	Y.SONG	T.MOTET	G.CORREIA												367 G11	1700E-033-421	20 of 21	B
B	18.03.26	GAS REMOVED, NBN & ELEC OFFSETS AMENDED	L.CHAPPLE	Y.SONG	T.MOTET	G.CORREIA															

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. **PS932514U**

DEVELOPMENT ENGINEER
22/04/2026
DATE APPROVED

TYPE	PHASE OF RISK	PRIMARY NATURE OF RISK	IDENTIFIED RISKS / HAZARDS (OPPORTUNITIES & THREATS)	EXISTING CONTROLS OF IDENTIFIED RISKS / HAZARDS	RISK LIKELIHOOD (0-5)	RISK CONSEQUENCE (0-5)	RISK RATING	IS THE RISK SIGNIFICANT? (YES ≥ 8, NO < 8)	CONTRACTOR
Site Works	Construction	Trenching and Excavation	Trench collapse, falling from height	- Contractor to ensure appropriate construction standards are adhered to - Safety measures such as shields are installed where required - Where possible eliminate the need to excavate or enter excavations - Prevent entry to any excavation until it is assessed and verified as being safe - Provide and maintain a safe and accessible egress to all excavations - Prevent unauthorised access and leave unattended excavations secure	2	3	6	No	Contractor
Site Works	Construction	Confined space Entry	Hazardous atmospheres, Falling, Drowning	-Where possible eliminate the need to enter a confined space - Only enter / open a confined space if trained and competent - Obtain the relevant permits and follow authority procedures	1	4	4	No	Contractor
Structures	Construction	Structure failure (i.e. retaining wall, pits etc)	Ground Movement, Cracking, Leaning, Bulging, Gaps, Soil movement and Water Pooling	- Structures to be designed and verified to the appropriate standards - Walls designed with sub soil drainage behind wall to release hydrostatic pressure. designs to the appropriate standards including verification from independent parties. - Appropriate signoffs and certification to be provided	1	5	5	No	Contractor
Earthworks	Construction	Site contamination	Manage waste, erosion and protection of stormwater outlets. Contaminated material spread around the site. Breakdown of materials	- Sites to be investigated prior to any works occurring - Proper control measures are to be undertaken - Contaminated materials are to be documented and removed to required procedures - OH&S procedures in handling contaminants are to be followed - Ensure proper construction techniques and required reportings are carried out - Manage all relevant substances in keeping with the appropriate material safety data sheets - Use all appropriate personal protective equipments and procedures when handling chemicals and hazardous substances	3	4	12	Yes	Contractor
Earthworks	Construction	Earthworks	Steep batters, Soft patches (i.e. dam desludging, work near water)	- Ensure all sites are investigated prior to disruption of any material - Proper control measures are to be taken - Site testing and reporting to occur to appropriate requirements	3	4	12	Yes	Contractor
Site Works	Construction	Traffic Management	Pedestrians and vehicles conflict and disruption due to the construction site	- Create safe accessways for both vehicle and pedestrian traffic - Ensure an approved traffic management plan is prepared and followed - Provide clear signage, signalling and delineation of roads and paths - Provide workers and visitors with information on safe routes, parking areas, pedestrian exclusion zones and speed limits - Ensure paths of travel are identified with alternatives provided and maintained throughout the duration of construction activities	4	1	4	No	Contractor
Site Works	Construction	No-Go Zone, Protected Areas	Works occurring within CHMP, Heritage and protected Flora and Fauna areas without approval	- Protected areas to be clearly identified, marked and fenced on site, to ensure unpermitted disturbance does not occur - Consideration be provided to the location of infrastructure through the design and masterplanning phases	2	1	2	No	Contractor
Site Works	Construction	Existing Trees Vegetation	High value nature or protected conservation areas impacted	- Trees and vegetation to be appropriately identified with TPZ zones to be marked on site - All relevant requirements documented in the arborist report must be followed. - Onsite supervision to occur if required	1	3	3	No	Contractor
Site Works	Construction	Safety protocols	Injury occurred due to proper controls not being identified	- Signage and safety protocols to be implemented to ensure safe working conditions on site	1	2	2	No	Contractor
Road reserve	Construction	Site Security	Inappropriate access , damage to property or person	- Provide permanent or temporary exclusion fencing to the site, rail corridors, pump stations and/or other critical infrastructure - Security patrols, 24hr surveillance, lock up sheds	4	1	4	No	Contractor
Sewer	Construction	Temporary Flow Bypass (Stormwater / Sewer / Water)	Temporary bypass/ over pumping	- Damage of over pumping hose causing sewerage spilling - Malfunction of the pump or over-pumping system result of sewerage spilling - Appropriate safety measures and alternative solutions to be provided	2	4	8	Yes	Contractor
Utility services	Construction	Disruption to existing services i.e. water, gas, electrical, communications etc	Rupture of main, leaks, contamination, explosion, disruption to service	- Existing infrastructure to be identified and checked on site prior to works occurring site to be investigated for alternative design outcomes, maximum clearance to be provided to existing services, contractor to ensure necessary permits and safety requirements are followed - Contractor to seek authority requirements - Appropriate permits, standards and supervision to be followed - Identify all services prior to the commencement of work - Isolate sources of supply, if necessary divert through site - Only conduct work if trained, competent and hold appropriate licenses - Establish safe working distances and exclusion zones when working with or near existing services in accordance with authority requirements and procedures - Obtain necessary permits prior to the commencement of works - Design to take into consideration of operational issues - Alternative plans to be in place to ensure any disruption is minimised	2	5	10	Yes	Contractor
Utility services	Construction	Electrocution	Contact with live power cables both overhead and underground	- Existing infrastructure to be identified and checked on site prior to works occurring site to be investigated for alternative design outcomes, maximum clearance to be provided to existing services, contractor to ensure necessary permits and safety requirements are followed - Appropriate permits, standards and supervision to be followed - Use a spotter wherever a person, equipment or mobile plan might infringe the no go zone rules - Only conduct work if trained, competent and hold appropriate licenses - Establish safe working distances and exclusion zones when working with or near existing services in accordance with authority requirements and procedures	1	5	5	No	Contractor
Drainage/Sewer	Operational - Maintenance	Maintenance of Structures i.e. Gross Pollutant traps, drainage pits, sewer Manholes	No access to infrastructure, confined spaces, disruption to live traffic, failure of temporary plugs	- Design to ensure maintenance vehicles can maintain sight clear of live traffic. - Ensure sight distances are appropriate to allow reversing of vehicles - Appropriate safety measures, fencing to be used during maintenance. - Contractor to be certified for work in confined spaces, landings and step access provided as per authority standards and schedule. - Provide safe working conditions for maintenance. - Manholes located in compliance with authority standards.	2	3	6	No	Relevant Authority
Road reserve	Operational - Maintenance	Visibility	lines, signage and lighting to maintained to ensure adequate visibility	- Supply appropriate line marking on approaches to crossings, adequate lighting and signage	1	4	4	No	Relevant Authority
Site Works	Operational - Maintenance	Maintenance of Vegetation/Grass (Mowing)	Access and steep areas preventing normal machinery access	- limited batter slopes above retaining walls to max 1 in 6. Maintenance access for mowing, vegetation, rubbish removal ensure access from high side. - Provide safety fencing as required. Planting to limit required maintenance instead of grassing. suggest additional landscaping treatments instead of areas which require maintenance	2	1	2	No	Relevant Authority
Structures	Operational - Maintenance	Pedestrian/Cyclist Access	Objects within cyclists path	- Paths to remain clear with vegetation maintained - Clearance for cyclists to be managed - Handrails to be tapered at edges or meet minimum thickness so snagging risk is eliminated - Designs to appropriate standards	1	4	4	No	Relevant Authority

REV

DATE

AMENDMENT / REVISION DESCRIPTION

A

12.12.25

ISSUED TO COUNCIL FOR APPROVAL

DRAFTER

DESIGNER

CHECKER

RP ENG

L.CHAPPLE

Y.SONG

T.MOTET

G.CORREIA

PERMIT REF. NO.

PLAN OF SUB. NO.

RP ENG

RP ENG NO.

DATE

719067

SUBJECT TO APPROVAL

SCALE AS SHOWN AT 1


Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500
© SMEC AUSTRALIA PTY LTD (ABN 47 065 475 146)



Olivine Estate - Stage 33
Whittlesea City Council
Road and Drainage
Safety In Design

MELWAYS REF

PROJECT / DRAWING No.

SHEET No.

REVISION

367 G11

1700E-033-500

21 of 21

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