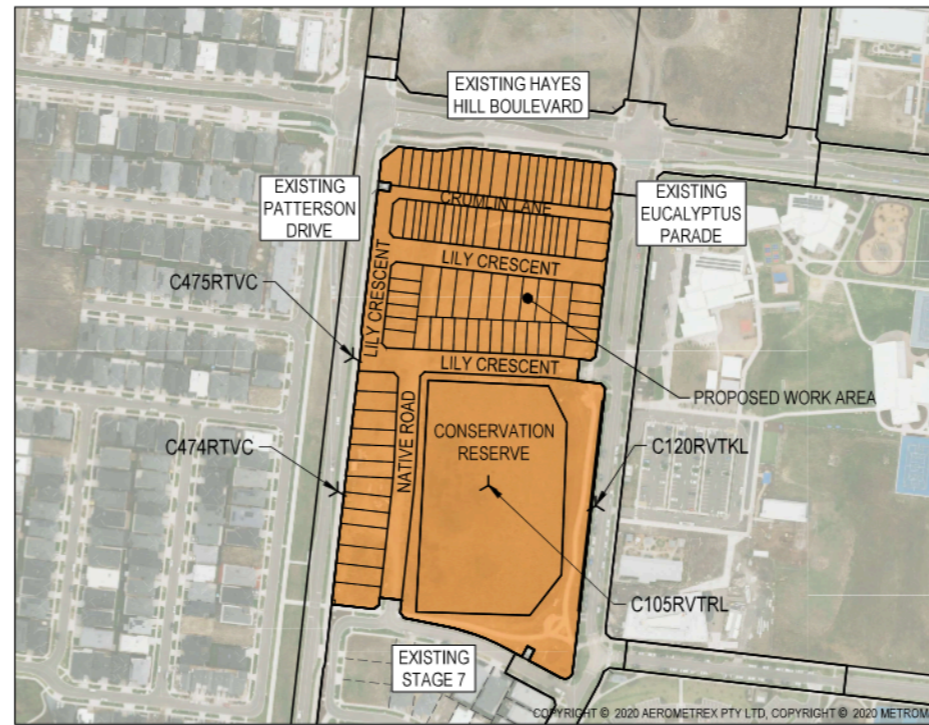


GENERAL NOTES (WHITTLESEA CITY COUNCIL)

- THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SURVEILLANCE COORDINATOR OR HIS REPRESENTATIVE.
- 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.
- THE CONTRACTOR SHALL:
 - COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY RULES, AND THE MINES (TRENCHES) REGULATIONS 1982.
 - NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF THEIR INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - ENSURE THAT THE MINE MANAGER OR THEIR DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
- THE CONTRACTOR IS TO NOTIFY COUNCIL'S SENIOR SURVEILLANCE ENGINEER AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHHEADS, WHERE LIP OF KERB CHAINAGES 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.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
- 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.
- ANY EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL REPRESENTATIVE.
- 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.
- 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.
- 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.
- VICROADS ROADWORK SIGNING CODE OF PRACTICE WHICH COMPLIES WITH THE AUSTRALIAN STANDARD 1742.3-2002 IS TO BE ADHERED TO DURING THE CONSTRUCTION WORKS.
- 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), T (TELEPHONE), W (WATER), R (RECYCLED WATER) AND C (COUNCIL COMMUNICATION) AS PER STANDARD DRAWING EDM 303.
- ALL EARTHWORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S EARTHWORK SPECIFICATION AND THE EARTHWORKS SECTION OF SMEC'S CONTRACT SPECIFICATION.
- BATTERS INTO ALLOTMENTS SHALL NOT BE STEEPER THAN 1 IN 6 UNLESS NOTED OTHERWISE.
- ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVE AND NATURESTRIPS TO BE STRIPPED OF TOPSOIL AND STOCKPILED PRIOR TO EARTHWORK COMMENCING.
- NO FILLING OR STOCKPIILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE SUPERINTENDENT.
- NO TOPSOIL TO BE REMOVED FROM SITE UNLESS OTHERWISE APPROVED.
- LOTS SHALL BE EVENLY GRADED TO ENSURE MINIMUM LOT FALLS AS SPECIFIED ON DRAWINGS ARE ACHIEVED.
- 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 USED, SUITED TO PRESSURE CONDITIONS AND THE PIPES ARE NOT TO HAVE ANY PLUGS.
- ALL PITS GREATER THAN OR EQUAL TO 1000mm DEPTH TO BE PROVIDED WITH STEP IRONS IN ACCORDANCE WITH EDM 609.
- 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.
- OFFSETS TO DRAINAGE IN EASEMENTS AS SHOWN ARE TO THE CENTRELINE OF THE DRAIN, UNLESS OTHERWISE SPECIFIED OR DETAILED. ALL EASEMENT DRAINS ARE TO BE CONSTRUCTED TO AN OFFSET OF 1.0m FROM ALLOTMENT BOUNDARY.
- AG DRAINS TO BE PROVIDED BEHIND ALL KERBS AND SHALL HAVE SUITABLE OUTLET. CONSTRUCTION TO BE IN ACCORDANCE WITH EDM 605-608.
- HOUSE DRAINS ARE TO BE CONNECTED DIRECT TO UNDERGROUND DRAIN UNLESS NOTED OTHERWISE.
- PROPERTY INLET PITS AS PER EDM 701-704.
- DRIVEWAYS TO BE CONSTRUCTED IN ACCORDANCE WITH COUNCILS STANDARDS AND CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES.
- FOOTPATHS ARE TO BE OFFSET 50mm FROM THE BUILDING LINE.
- ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHOULD BE TO AS1742.2 AND 1742.1 STANDARD RESPECTIVELY. TEMPORARY LINEMARKING TO BE PLACED DURING MAINTENANCE PERIOD PRIOR TO PLACEMENT OF WEARING COURSE. FINAL LINEMARKING TO BE LONG LIFE ROAD MARKING WITH LONGITUDINAL LINES IN THERMOPLASTIC AND TRANSVERSE MARKINGS IN COLD APPLIED.
- 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.
- 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.
- FOOTPATHS ARE TO BE CONTINUOUSLY REINFORCED CONCRETE IN ACCORDANCE WITH EDM 403 UNLESS OTHERWISE SPECIFIED.
- 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.
- ALL FILL CONSTRUCTION AND TESTING TO BE CARRIED OUT AS PER CURRENT AS3798 LEVEL 1 REQUIREMENT, SMEC SPECIFICATIONS, WHITTLESEA CITY COUNCIL SPECIFICATIONS AND EDM REQUIREMENTS.
- CONCRETE JOINT DETAILS SHALL BE IN ACCORDANCE WITH CEMENT AND CONCRETE ASSOCIATION AUSTRALIA - GUIDE TO RESIDENTIAL STREET AND PATHS (C & CAA T51).
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL CONCRETE TO BE USED IN THE CONTRACT WORKS SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa AT 28 DAYS.
- 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.
- THE NEW CONCRETE WORKS SHALL BE JOINED INTO ABUTTING EXISTING CONCRETE WITH 450mm LONG Y20 DOWEL BARS @ 600 CENTRES, UNLESS OTHERWISE SPECIFIED.
- 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 WHITTLESEA, PRIOR TO THE CONSTRUCTION OF THE FOOTPATH BAYS ADJACENT TO THESE PITS.
- TBMS 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 TBMS THEREAFTER.
- DOUBLE CROSS OVERS FOR LOTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH EDM STANDARD DRAWING SD 592.
- TGSS TO BE DESIGNED IN ACCORDANCE WITH CITY OF WHITTLESEA SD 320 AND AS 1428.4.1.

Olivine Estate Stage 8



Drawing Index

- 1700E-008-101 Cover Plan & General Notes
- 1700E-008-111 Layout Plan - 1
- 1700E-008-112 Layout Plan - 2
- 1700E-008-131 Earthworks Plan - 1
- 1700E-008-132 Earthworks Plan - 2
- 1700E-008-133 Retaining Wall Plan & Longitudinal Sections
- 1700E-008-171 Signage & Linemarking Plan
- 1700E-008-181 Intersection Detail Plan - 1
- 1700E-008-182 Intersection Detail Plan - 2
- 1700E-008-183 Intersection Detail Plan - 3
- 1700E-008-184 Path Detail Plan
- 1700E-008-201 Longitudinal Sections - 1
- 1700E-008-202 Longitudinal Sections - 2
- 1700E-008-251 Cross Sections: Lily Crescent Ch 0.00 - Ch 164.69
- 1700E-008-252 Cross Sections: Lily Crescent Ch 181.69 - Ch 349.67
- 1700E-008-253 Cross Sections: Native Road Ch 0.00 - Ch 90.73
- 1700E-008-254 Cross Sections: Native Road Ch 101.23 - Ch 136.73
- 1700E-008-255 Cross Sections: Crumlin Lane
- 1700E-008-301 Drainage Longitudinal Sections - 1
- 1700E-008-302 Drainage Longitudinal Sections - 2
- 1700E-008-303 Drainage Longitudinal Sections - 3
- 1700E-008-351 Pit Schedule
- 1700E-008-411 Pavement Details
- 1700E-008-412 Typical Cross Sections
- 1700E-008-421 Concrete Jointing Plan & Details
- 1700E-008-500 Safety In Design

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

PLAN OF SUBDIVISION No. **PS932509M**

[Signature] 6/05/2026
DEVELOPMENT ENGINEER DATE APPROVED

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.

BEWARE OF ASBESTOS
Underground services may be constructed from asbestos containing material. Contractor to manage potential asbestos hazard in line with relevant authority and EPA standards.

SAFETY MEASURES REQUIRED
For potential risks, consequences and controls refer to Safety in Design Risk Register. SID P4.E6. 1700E-008-500

ROAD NAME	ROAD RESERVE WIDTH (m)	ROAD WIDTH (m)						KERB TYPE		VERGE WIDTH (m)	
		ROAD WIDTH (m)					NTHWEST	STHEAST	NTHWEST	STHEAST	
		LIP TO LIP	INV TO INV	BACK TO BACK							
NATIVE ROAD	14.50	6.40	7.30	7.60	B2	B2	4.35	2.85			
LILY CRESCENT (LOTS 814 TO 825 AND LOTS 840 TO 845)	14.50	6.40	7.30	7.60	B2	B2	4.35	2.85			
LILY CRESCENT (LOTS 831 TO 839)	16.00	6.40	7.30	7.60	B2	B2	4.35	4.35			
CRUMLIN LANE (ABUTTING PATTERSON DR)	11.00	8.00	-	-	-	-	3.00	-			
CRUMLIN LANE (LOTS 846 TO 865)	8.00	8.00	-	-	-	-	-	-			

ROAD NAME	SERVICES OFFSET TABLE						
	GAS	RECYCLED WATER	WATER	ELECTRICITY	OPTIC FIBRE	TREES*	PUBLIC LIGHTING POLE**
	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)
NATIVE ROAD	-	2.50 W	3.00 W	1.20 E	0.50 E	1.35 E & 1.3 W BOK	0.90 E BOK
LILY CRESCENT (LOTS 814 TO 825)	-	2.50 N	3.00 N	1.10 S	0.50 S	1.35 N & 1.3 S BOK	0.90 S BOK
LILY CRESCENT (LOTS 840 TO 845)	-	2.50 E	3.00 E	1.10 W	0.50 W	1.35 E & 1.3 W BOK	1.10 W BOK
LILY CRESCENT (LOTS 831 TO 839)	-	2.50 N	3.00 N	2.50 S	1.85 S	1.35 N & 1.3 S BOK	1.10 S BOK
CRUMLIN LANE (ABUTTING PATTERSON DR)	-	-	-	1.40 W	-	1.35 W BOK	0.80 W BOK
CRUMLIN LANE (LOTS 846 TO 865)	-	-	-	2.00 S	-	0.50 N	0.40 S

*INDICATIVE ONLY. SUBJECT TO FINAL LANDSCAPE DESIGN
**INDICATIVE ONLY. SUBJECT TO FINAL ELECTRICAL DESIGN

TBAL 4: TBM SETOUT TABLE				
POINT	EASTING	NORTHING	RL (AHD)	DESCRIPTION
C474RVTKL	322626.41	5843376.94	241.12	RIVET
C105RVTRL	322726.14	5843380.90	246.35	RIVET
C475RVTKL	322636.56	5843465.68	241.13	RIVET
C120RVTKL	322797.10	5843367.13	234.59	RIVET

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER		PLAN OF SUB. NO. PS932509M				Olivine Estate - Stage 8 Whittlesea City Council Road and Drainage Cover Plan & General Notes
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA		PERMIT REF. NO. 717121		ABN 47 065 475 149 Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008 Ph 03 9514 1500	MELBAYS REF: 367 G11 PROJECT / DRAWING No: 1700E-008-101 SHEET No: 01 of 26 REVISION: 0	ISSUED FOR CONSTRUCTION

EXISTING FOOTPATH AND SHARED PATHS IN EUCALYPTUS PARADE AND HAYES HILL BLVD SHALL BE REINSTATED TO COUNCIL SATISFACTION WHERE REQUIRED WITH THE INSTALLATION OF SERVICES CONDUITS AND TRAPPINGS

EXISTING FENCING / ADVERTISING BOARDS SURROUNDING THE SITE TO BE REMOVED DURING CONSTRUCTION

LOT 868 CONSTRUCTION OF FENCE POST HOLE PROVISION TO BE IN ACCORDANCE WITH OLIVINE DESIGN AND SITING GUIDELINES FOR CORNER LOT FENCE (FIRST FENCE POST HOLE SETBACK MINIMUM 4.0m FROM FRONT BOUNDARY). TO BE PART OF RETAINING WALL WORKS

EXISTING PATTERN DRIVE

CONNECT TO EXISTING ENDPIPE
PROVIDE HD COVER
HD CROSSOVER
GAP FLOW TO SHEET FLOW ACROSS EXISTING PATH AND NATURE STRIP
VEHICLE EXCLUSION FENCE TO BE PROVIDED AS PART OF LANDSCAPE WORKS

EXISTING FOOTPATH TO BE REMOVED AS MARKED & REINSTATE NATURE STRIP TO COUNCIL SATISFACTION.

NEW FENCE TO BE INSTALLED BY OTHERS POST COMPLETION OF CIVIL WORKS

EXISTING FENCING TO BE REMOVED

FOR CONTINUATION REFER 1700E-008-112

QUALITY MANAGEMENT ISO 9001
GLOBAL-MARK.COM.AU

QUALITY MANAGEMENT ISO 9001
GLOBAL-MARK.COM.AU

QUALITY MANAGEMENT ISO 9001
GLOBAL-MARK.COM.AU

PLAN OF SUB. NO. PS932509M
PERMIT REF. NO. 717121

ISSUED FOR CONSTRUCTION

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

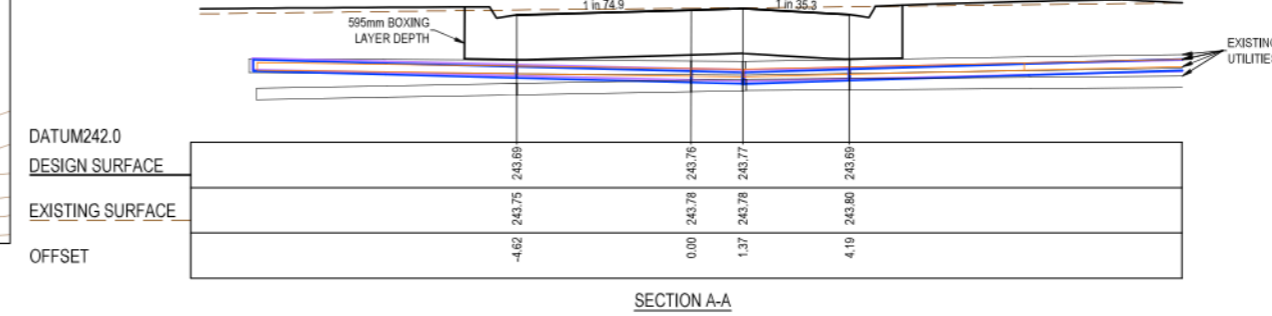
OLIVINE ESTATE - STAGE 8
WHITTLESEA CITY COUNCIL
ROAD AND DRAINAGE
LAYOUT PLAN - 1

MELBAYS REF: 367 G11
PROJECT / DRAWING No: 1700E-008-111
SHEET No: 02 of 26
REVISION: 0

LEGEND - LAYOUT PLAN
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

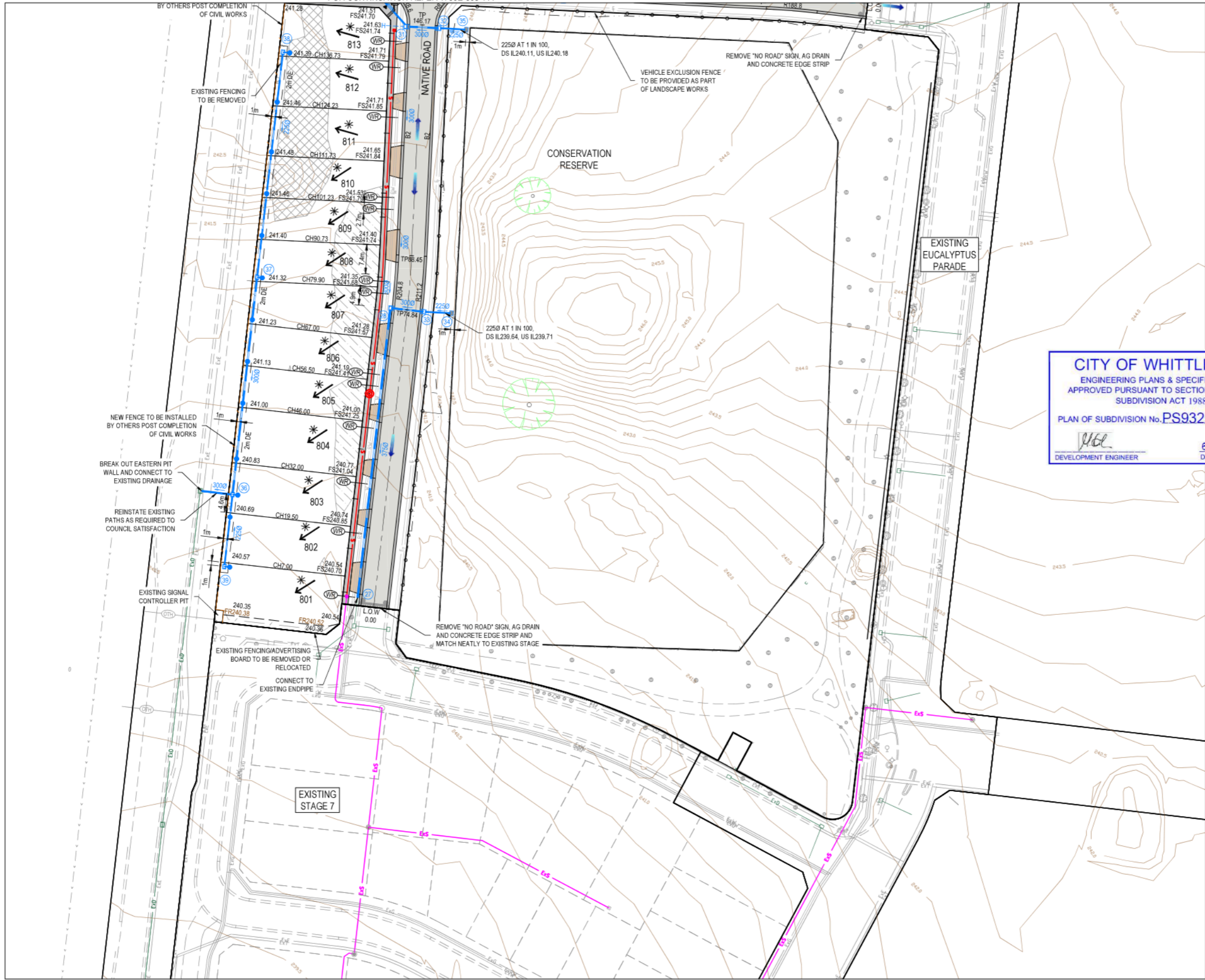
- STORMWATER DRAIN, PIT & PROPERTY INLET
- MAIN DRAIN
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- ELECTRICITY (U.GROUND)
- ELECTRICITY (O.HEAD)
- GAS
- TELSTRA
- OPTIC FIBRE
- WATER
- RECYCLE WATER
- AG. DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS
- EXISTING STORMWATER DRAIN
- EXISTING 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
- EXISTING SURFACE LEVEL
- FS140.35 FINISHED BUILDING LINE LEVEL
- FR157.40 FINISHED RIDGE LINE LEVEL
- CH270.00 CHAINAGE
- TW159.60 TOP OF RETAINING WALL LEVEL
- BW159.00 BOTTOM OF RETAINING WALL LEVEL
- EXISTING RETAINING WALL
- 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
- VEHICLE EXCLUSION FENCE (LANDSCAPE WORKS)
- FUTURE FENCE (BY OTHERS POST COMPLETION OF CIVIL WORKS)

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS932509M
HGE DEVELOPMENT ENGINEER
6/05/2026 DATE APPROVED



REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

FOR CONTINUATION REFER 1700E-008-111



LEGEND - LAYOUT PLAN	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	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 CHAINAGE
	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
	VEHICLE EXCLUSION FENCE (LANDSCAPE WORKS)
	FUTURE FENCE (BY OTHERS POST COMPLETION OF CIVIL WORKS)

CITY OF WHITTLESEA
 ENGINEERING PLANS & SPECIFICATIONS
 APPROVED PURSUANT TO SECTION 15 OF THE
 SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS932509M

 DEVELOPMENT ENGINEER
 6/05/2026
 DATE APPROVED

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.

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

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.
 PS932509M
 PERMIT REF. NO.
 717121

ISSUED FOR CONSTRUCTION

Scale 1:500
 SCALE AS SHOWN AT 1

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 8
 Whittlesea City Council
 Road and Drainage
 Layout Plan - 2

MELBAYS REF: 367 G11
 PROJECT / DRAWING No: 1700E-008-112
 SHEET No: 03 of 26
 REVISION: 0



LEGEND - EARTHWORKS PLAN
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	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 CHAINAGE
	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

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS932509M
MGE DEVELOPMENT ENGINEER
6/05/2026 DATE APPROVED

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.

FOR CONTINUATION REFER 1700E-008-132

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

PLAN OF SUB. NO. PS932509M
PERMIT REF. NO. 717121

ISSUED FOR CONSTRUCTION

Scale 1:500
SCALE AS SHOWN AT 1

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

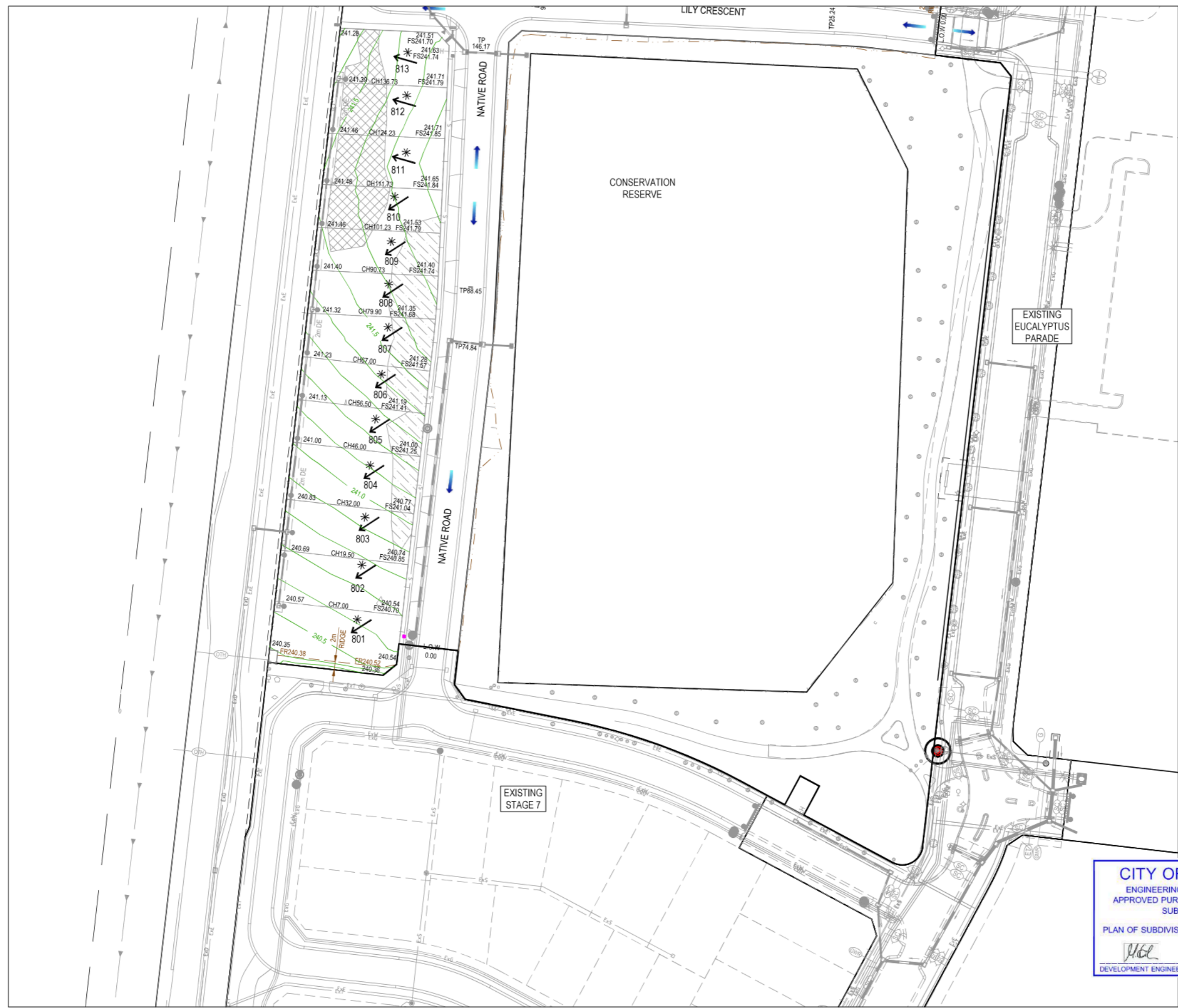
Olivine Estate - Stage 8
Whittlesea City Council
Road and Drainage
Earthworks Plan - 1

MELWAYS REF: 367 G11
PROJECT / DRAWING No: 1700E-008-131
SHEET No: 04 of 26
REVISION: 0

LEGEND - EARTHWORKS PLAN	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	ELECTRICITY (U.G.)
	ELECTRICITY (O.H.)
	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 CHAINAGE
	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

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.



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

PLAN OF SUBDIVISION No. **PS932509M**

[Signature]
DEVELOPMENT ENGINEER

6/05/2026
DATE APPROVED

FOR CONTINUATION REFER 1700E-008-132

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

PLAN OF SUB. NO. PS932509M
PERMIT REF. NO. 717121

ISSUED FOR CONSTRUCTION

Scale 1:500
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 8
Whittlesea City Council
Road and Drainage
Earthworks Plan - 2

MELBAYS REF: 367 G11 PROJECT / DRAWING No: 1700E-008-132 SHEET No: 05 of 26 REVISION: 0



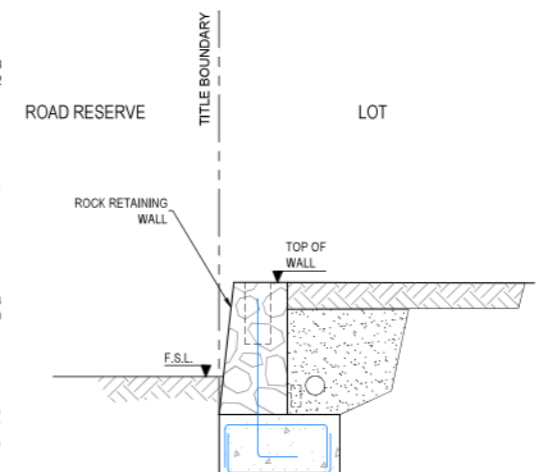
Alignment	Point no	Easting	Northing	RL
Alignment A	A1	322654.021	5843594.034	240.135
	A2	322655.431	5843596.299	240.200
	A3	322666.312	5843604.937	240.339
	A4	322668.142	5843604.727	240.366
Alignment B	B1	322669.141	5843604.612	240.381
	B2	322671.097	5843604.387	240.410
Alignment C	C1	322672.091	5843604.273	240.425
	C2	322681.032	5843603.245	240.559
Alignment D	D1	322682.026	5843603.131	240.574
	D2	322684.010	5843602.903	240.603
Alignment E	E1	322685.006	5843602.789	240.722
	E2	322692.054	5843601.979	240.722
Alignment F	F1	322695.026	5843602.332	240.766
	F2	322697.052	5843602.573	240.794
Alignment G	G1	322698.092	5843602.697	240.809
	G2	322707.251	5843603.785	240.939
Alignment H	H1	322708.289	5843603.908	240.953
	H2	322710.323	5843604.150	240.982
Alignment J	J1	322711.388	5843604.276	240.997
	J2	322712.294	5843604.384	241.010
	J3	322720.297	5843603.464	241.186
Alignment K	K1	322721.329	5843603.346	241.208
	K2	322723.244	5843603.126	241.250
Alignment L	L1	322724.276	5843603.007	241.273
	L2	322729.950	5843602.355	241.397
	L3	322729.206	5843595.882	241.425

LEGEND

- EXISTING SURFACE
- DESIGN LINE
- RETAINING WALL - ROCK

LEGEND

- 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
- CHAINAGE
- TOP OF RETAINING WALL LEVEL
- BOTTOM OF RETAINING WALL LEVEL
- EXISTING RETAINING WALL
- RETAINING WALL - ROCK
- AG DRAIN



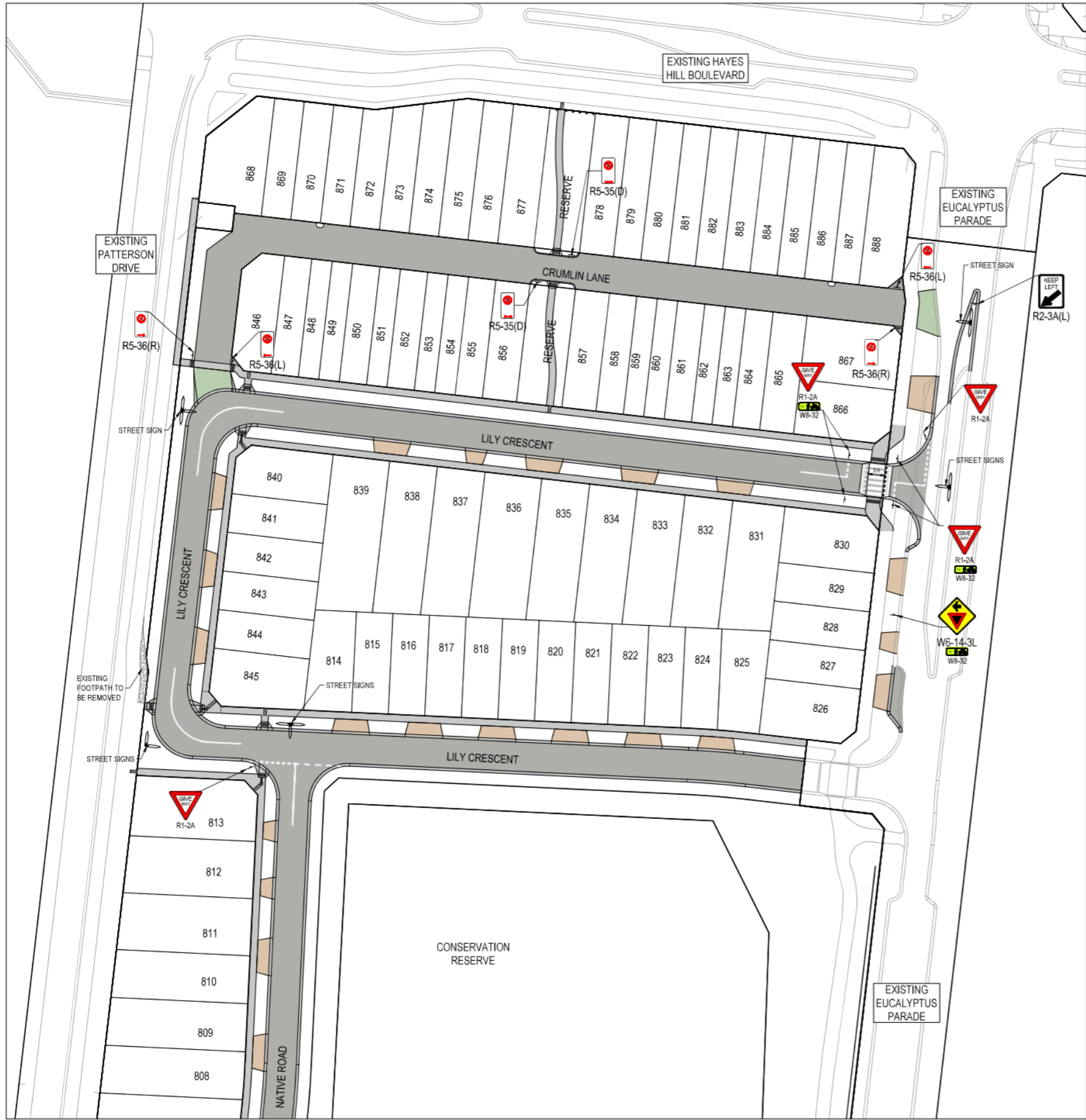
CITY OF WHITTLESEA
 ENGINEERING PLANS & SPECIFICATIONS
 APPROVED PURSUANT TO SECTION 15 OF THE
 SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS932509M
 DEVELOPMENT ENGINEER: [Signature]
 DATE APPROVED: 6/05/2026

- RETAINING WALL DESIGN AND APPROVALS REQUIREMENTS NOTES**
- RETAINING WALL DETAILS AND DESIGN CERTIFICATION TO BE SUBMITTED TO COUNCIL PRIOR TO COMMENCEMENT OF CONSTRUCTION OF WALLS
 - CONTRACTOR TO OBTAIN ANY RELEVANT BUILDING PERMITS. COPY OF BUILDING PERMIT TO BE PROVIDED TO PRINCIPAL.
 - CONTRACTOR TO PROVIDE STRUCTURAL ENGINEER INSPECTION AND CERTIFICATION FOR CONSTRUCTION OF ALL WALLS, IRRESPECTIVE OF NEED FOR PERMIT OR OTHERWISE.
 - CONTRACTOR TO ENSURE ALL REQUIREMENTS OF BUILDING PERMIT HAVE BEEN ADDRESSED.
 - THE ROCKWORK SHALL BE COMPLETED BY EXPERIENCED ROCK WALL BUILDER.
 - ROCK SHALL BE MADE OF HARD BLUESTONE OR APPROVED HARD STONE.
 - ALL JOINTS ON THE EXPOSED FACE SHALL BE POINTED UP WITH MORTAR, CONSISTING OF ONE-PART CEMENT AND FIVE-PART SAND, RECESSED BELOW THE FACE OF THE WALL.
 - CONSTRUCTION OF FENCE POST HOLE PROVISION TO BE IN ACCORDANCE WITH OLIVINE DESIGN AND SITING GUIDELINES FOR CORNER LOT FENCE.

	A1	A2	A3	A4	B1	B2	C1	C2	D1	D2	E1	E2	E3	F1	F2	G1	G2	H1	H2	J1	J2	J3	K1	K2	L1	L2	L3		
HORIZONTAL GEOMETRY	DATUM RL237																												
TOP OF WALL	240.14	240.19	240.21	240.26	240.36	240.41	240.43	240.57	240.57	240.60	240.72	240.75	240.79	240.71	240.79	240.81	240.21	240.46	240.94	240.95	240.98	241.00	241.01	241.21	241.25	241.27	241.40	241.42	241.42
BOTTOM OF WALL	240.04	239.96	239.94	239.71	239.57	239.60	239.81	239.84	239.88	239.88	240.05	240.10	240.10	240.15	240.21	240.21	240.15	240.46	240.85	240.85	240.85	240.85	240.85	240.88	240.93	240.93	240.93	240.93	240.93
HEIGHT OF WALL	0.10	0.24	0.27	0.57	0.81	0.81	0.81	0.73	0.72	0.72	0.67	0.65	0.62	0.58	0.58	0.60	0.46	0.46	0.44	0.47	0.44	0.44	0.44	0.33	0.32	0.32	0.32	0.32	
EXISTING SURFACE	240.11	239.97	239.96	239.76	239.56	239.69	239.69	239.84	239.88	239.88	240.10	240.12	240.15	240.21	240.21	240.23	240.15	240.47	240.85	240.85	240.85	240.85	240.88	240.93	240.93	240.93	240.93	240.93	
NORTHING	5843594.03	5843596.30	5843596.30	5843596.30	5843604.61	5843604.39	5843604.27	5843603.13	5843602.50	5843602.50	5843601.98	5843602.21	5843602.33	5843602.57	5843602.70	5843602.70	5843603.91	5843604.15	5843603.78	5843603.91	5843604.15	5843603.91	5843603.35	5843603.13	5843603.13	5843603.13	5843603.01	5843602.36	5843605.88
EASTING	322654.02	322655.43	322655.43	322655.43	322665.14	322671.10	322672.09	322682.03	322684.01	322684.01	322692.05	322694.00	322695.03	322697.05	322697.05	322698.09	322708.29	322710.32	322707.25	322708.29	322710.32	322710.32	322711.38	322712.29	322712.29	322712.29	322712.29	322729.95	322729.21
CHAINAGE	0.00	10.00	12.35	20.00	1.97	1.97	0.00	2.00	2.00	2.00	7.09	9.05	2.04	2.04	0.00	0.00	2.05	2.05	0.00	0.00	0.00	0.00	1.93	1.93	0.00	5.71	10.00	12.23	

RETAINING WALL A RETAINING WALL B RETAINING WALL C RETAINING WALL D RETAINING WALL E RETAINING WALL F RETAINING WALL G RETAINING WALL H RETAINING WALL J RETAINING WALL K RETAINING WALL L

REV 0	DATE 23.01.26	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	DRAFTER J.HICKS	DESIGNER K.KANG	CHECKER T.MOTET	APPROVER G.CORREIA		PLAN OF SUB. NO. PS932509M PERMIT REF. NO. 717121			 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 8 Whittlesea City Council Road and Drainage Retaining Wall Plan & Longitudinal Sections	MELBAYS REF 367 G11 PROJECT / DRAWING No. 1700E-008-133	SHEET No. 06 of 26 REVISION 0
-------	---------------	--	-----------------	-----------------	-----------------	--------------------	--	--	--	--	---	--	---	--	----------------------------------



- INSTALLATION NOTES**
- CIVIL CONTRACTOR
1. CONSTRUCT DDA COMPLIANT PRAM CROSSINGS IN ACCORDANCE WITH AS1428
 2. CONSTRUCT CUT THROUGH WALKWAY IN ACCORDANCE WITH AS1428
 3. CONSTRUCT (SUPPLY ALL MATERIALS AND LABOUR) PEDESTRIAN FOOTPATHS AS SHOWN
 4. INSTALL LINEMARKINGS AS SHOWN AND REMOVE ANY REDUNDANT MARKINGS
 5. SUPPLY AND INSTALL RRPMS AND REMOVE ANY REDUNDANT MARKINGS
 6. SUPPLY AND INSTALL ROAD SIGNS AND REMOVE ANY REDUNDANT SIGNS
 7. ALL VESI PITS AND ASSOCIATED CONDUITS TO BE INSTALLED BY POWER COMPANY WITH APPROVED, PRE-QUALIFIED ELECTRICAL ENGINEERS
 8. ALL PEDESTRIAN CROSSINGS IDENTIFIED ON ROUTES DESIGNATED AS BUS ROUTE, TO CONFIRM TO COUNCIL STANDARD DRAWING FOR WOMBAT CROSSING, SD 622.

CITY OF WHITTLESEA
 ENGINEERING PLANS & SPECIFICATIONS
 APPROVED PURSUANT TO SECTION 15 OF THE
 SUBDIVISION ACT 1988
 PLAN OF SUBDIVISION No. **PS932509M**
 DEVELOPMENT ENGINEER: *[Signature]* DATE APPROVED: **6/05/2026**

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. RRPMS TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOL 2.
 2. ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742 AND WITH VICROADS TRAFFIC ENGINEERING MANUAL VOL 2: SIGNS AND LINEMARKING.

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

PLAN OF SUB. NO. PS932509M
 PERMIT REF. NO. 717121

ISSUED FOR CONSTRUCTION

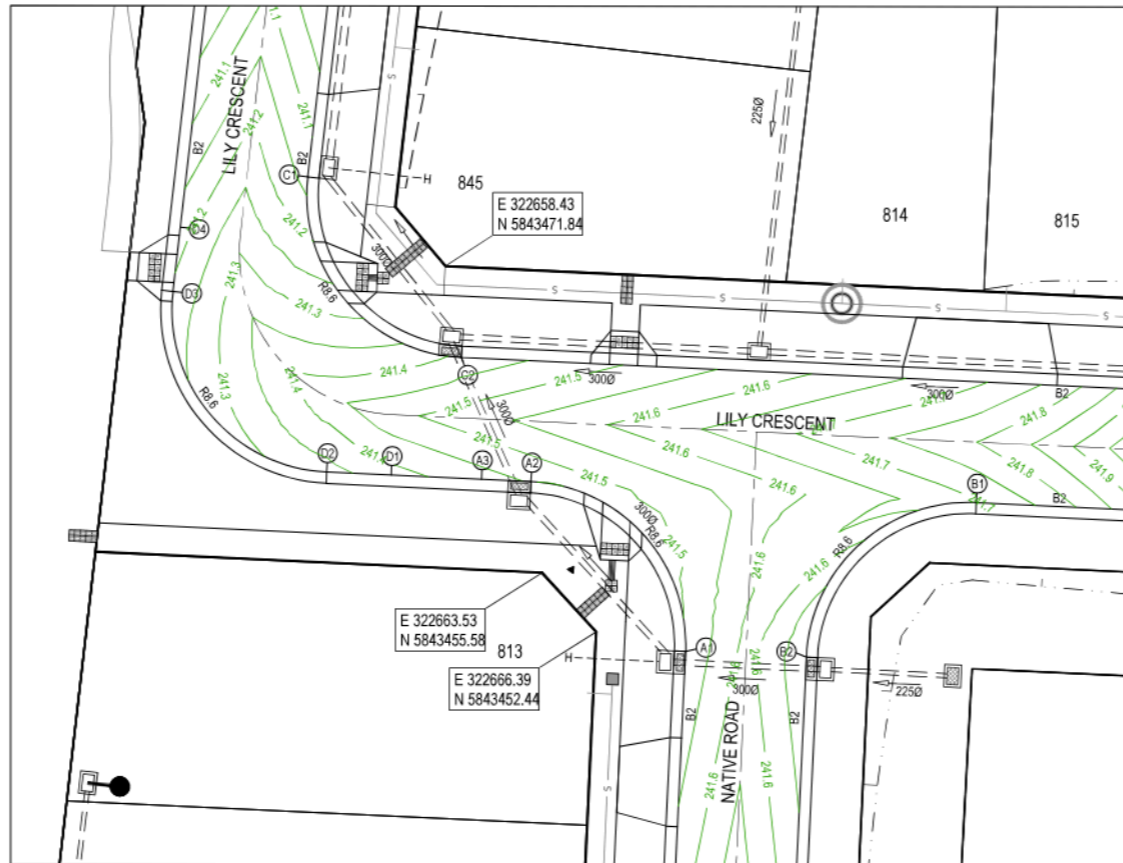
Scale 1:500
 SCALE AS SHOWN AT 1

smec
 an **as** 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 8
 Whittlesea City Council
 Road and Drainage
 Signage & Linemarking Plan

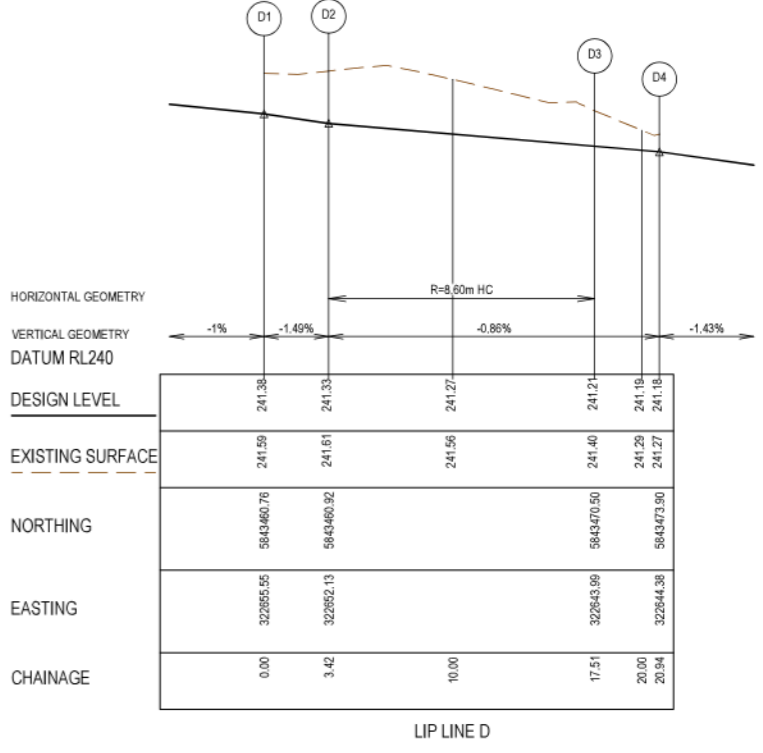
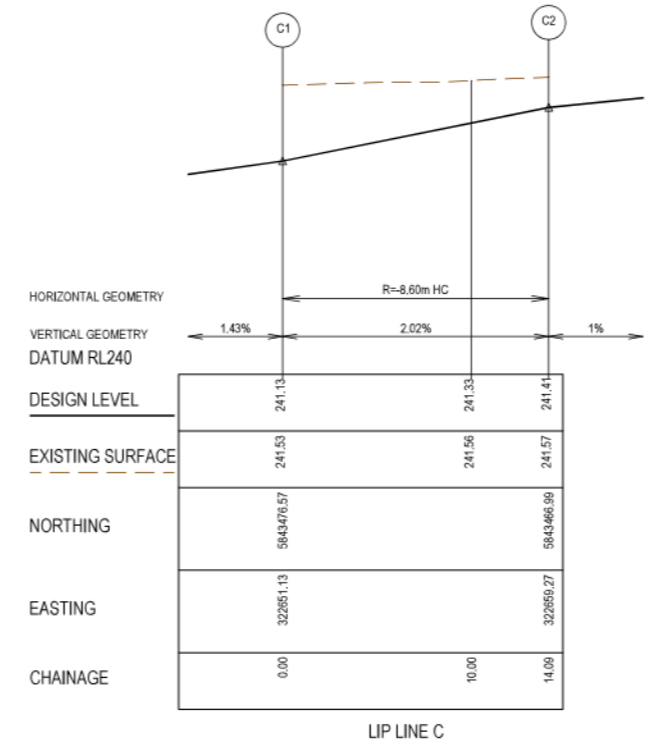
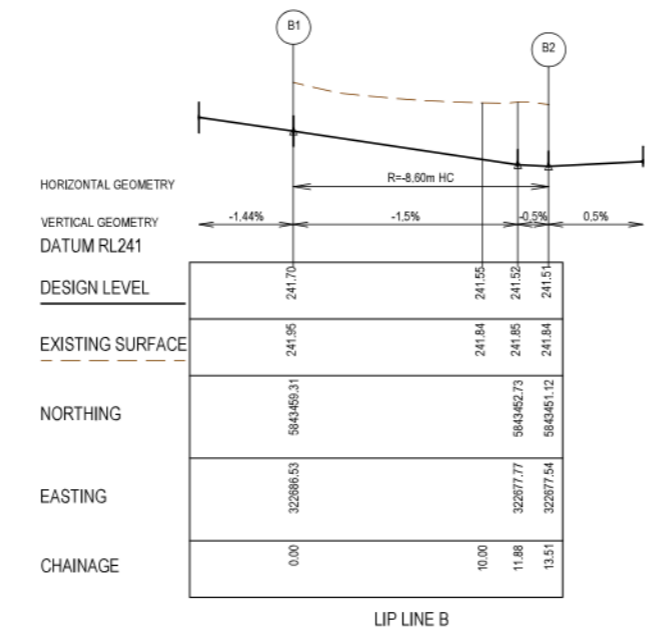
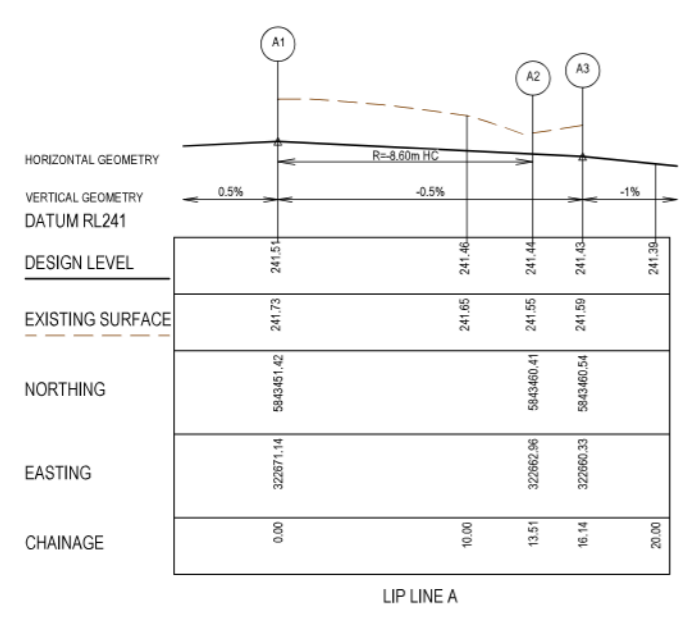
MELBAYS REF: 367 G11 PROJECT / DRAWING No: 1700E-008-171 SHEET No: 07 of 26 REVISION: 0



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. **PS932509M**
H.C.L.
DEVELOPMENT ENGINEER
6/05/2026
DATE APPROVED



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

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

Quality Management ISO 9001
Global-Mark.com.au®

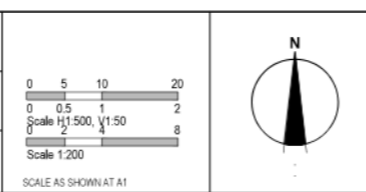
OH&S Management AS/NZS 1874
Global-Mark.com.au®

Environmental Management ISO 14001
Global-Mark.com.au®

PLAN OF SUB. NO.
PS932509M

PERMIT REF. NO.
717121

ISSUED FOR CONSTRUCTION



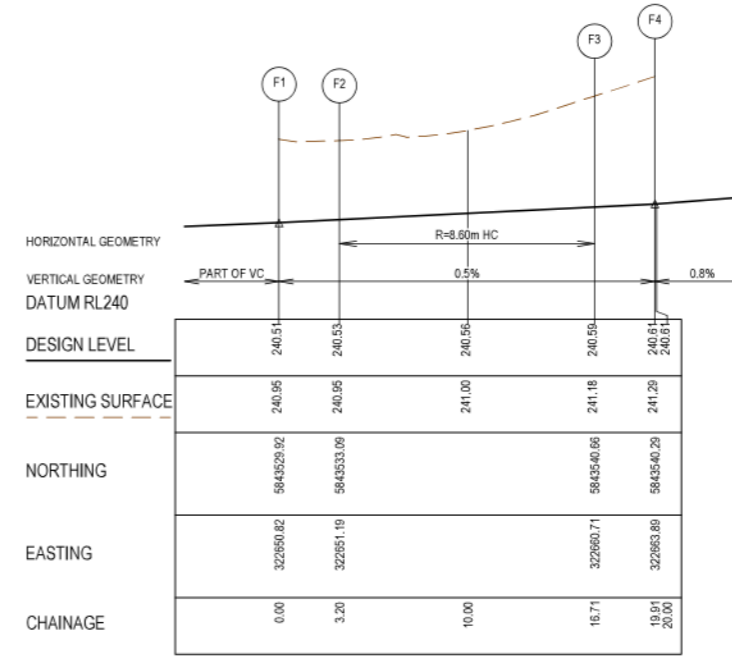
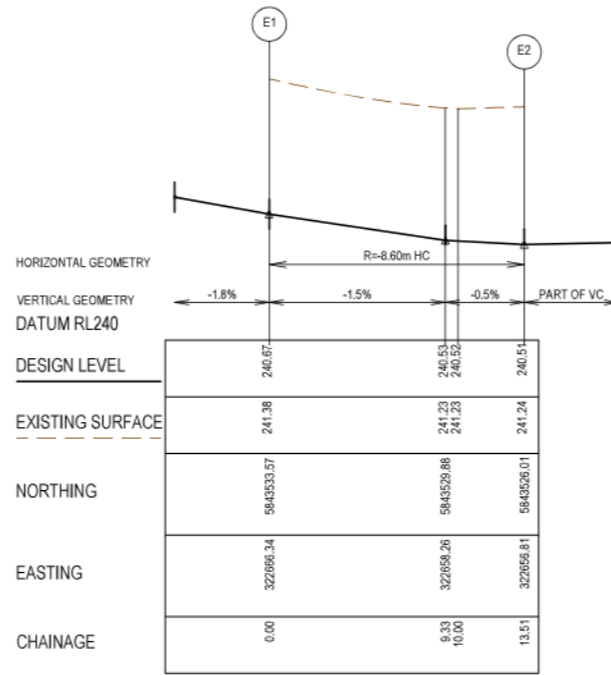
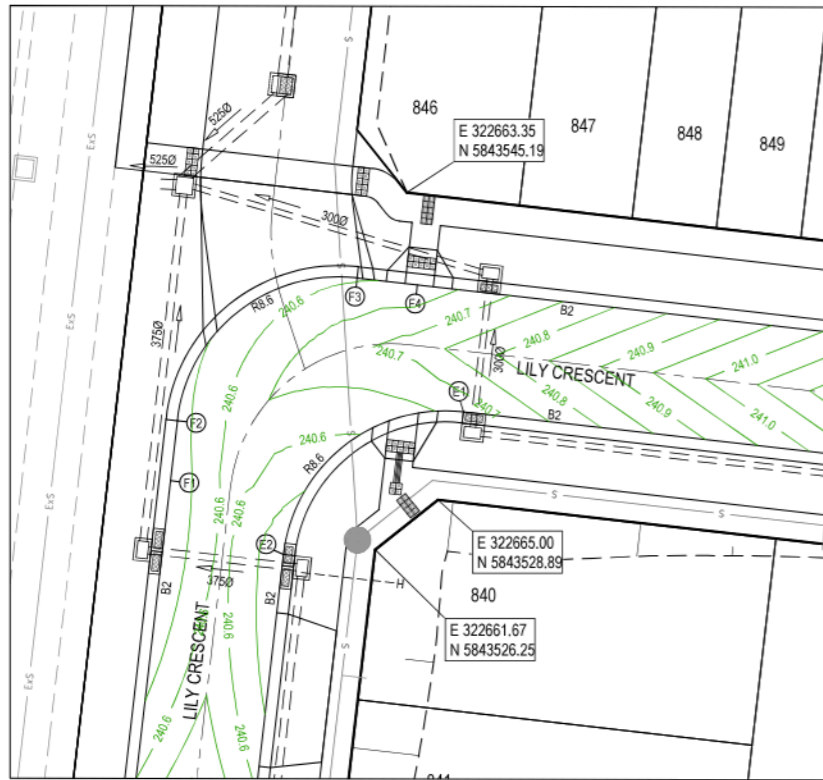
smec
an company

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 8
Whittlesea City Council
Road and Drainage
Intersection Detail Plan - 1

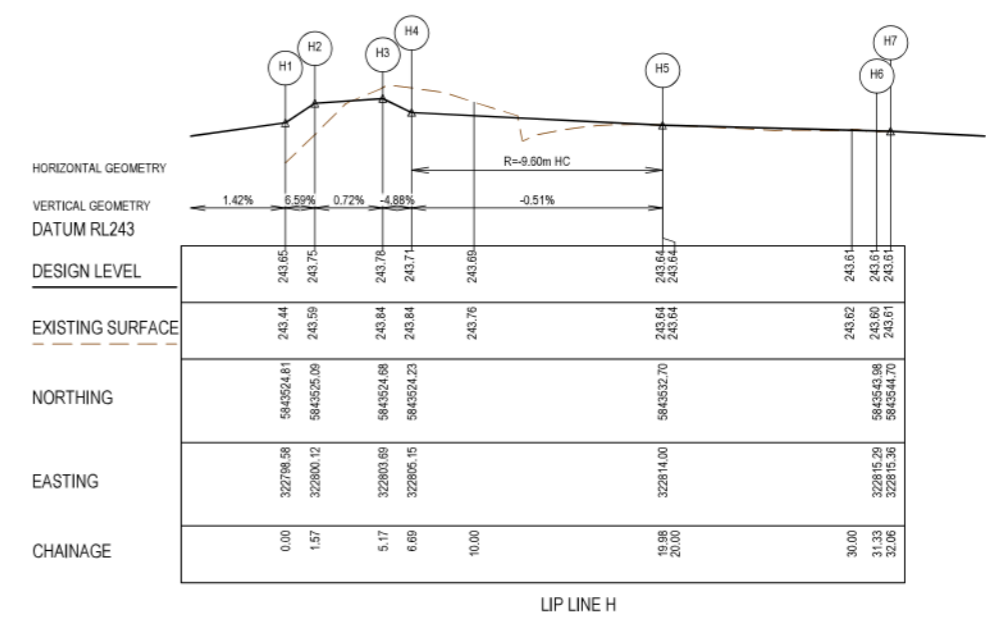
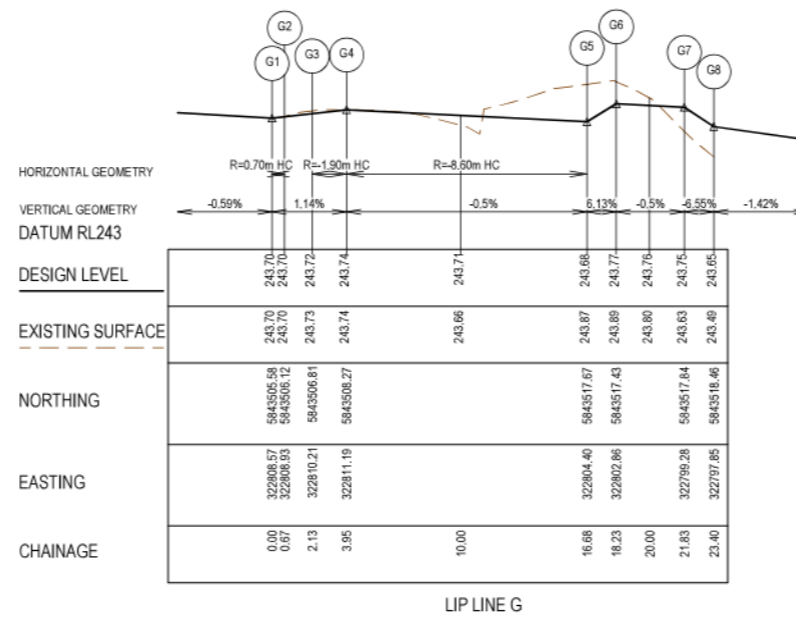
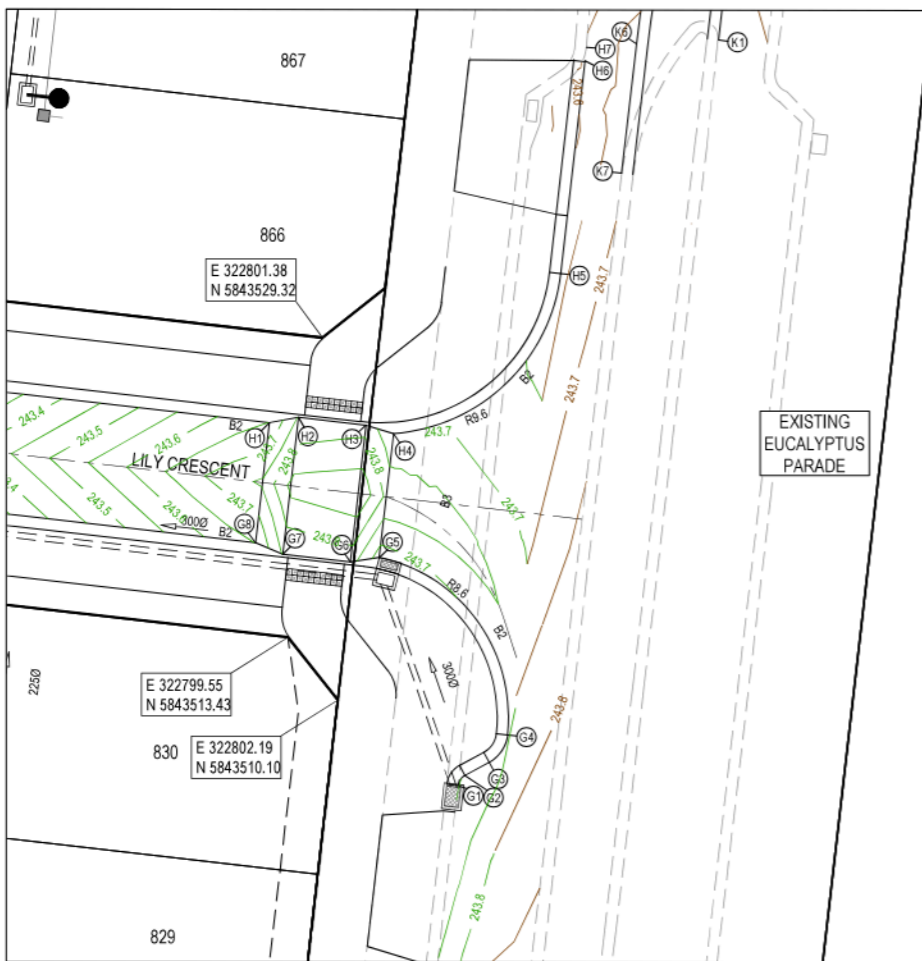
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
367 G11	1700E-008-181	08 of 26	0



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

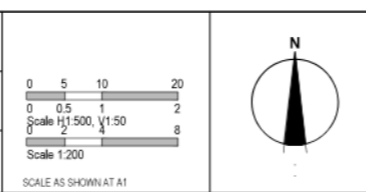
CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. **PS932509M**
JGC
DEVELOPMENT ENGINEER
6/05/2026
DATE APPROVED



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

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

PLAN OF SUB. NO. PS932509M
PERMIT REF. NO. 717121
ISSUED FOR CONSTRUCTION

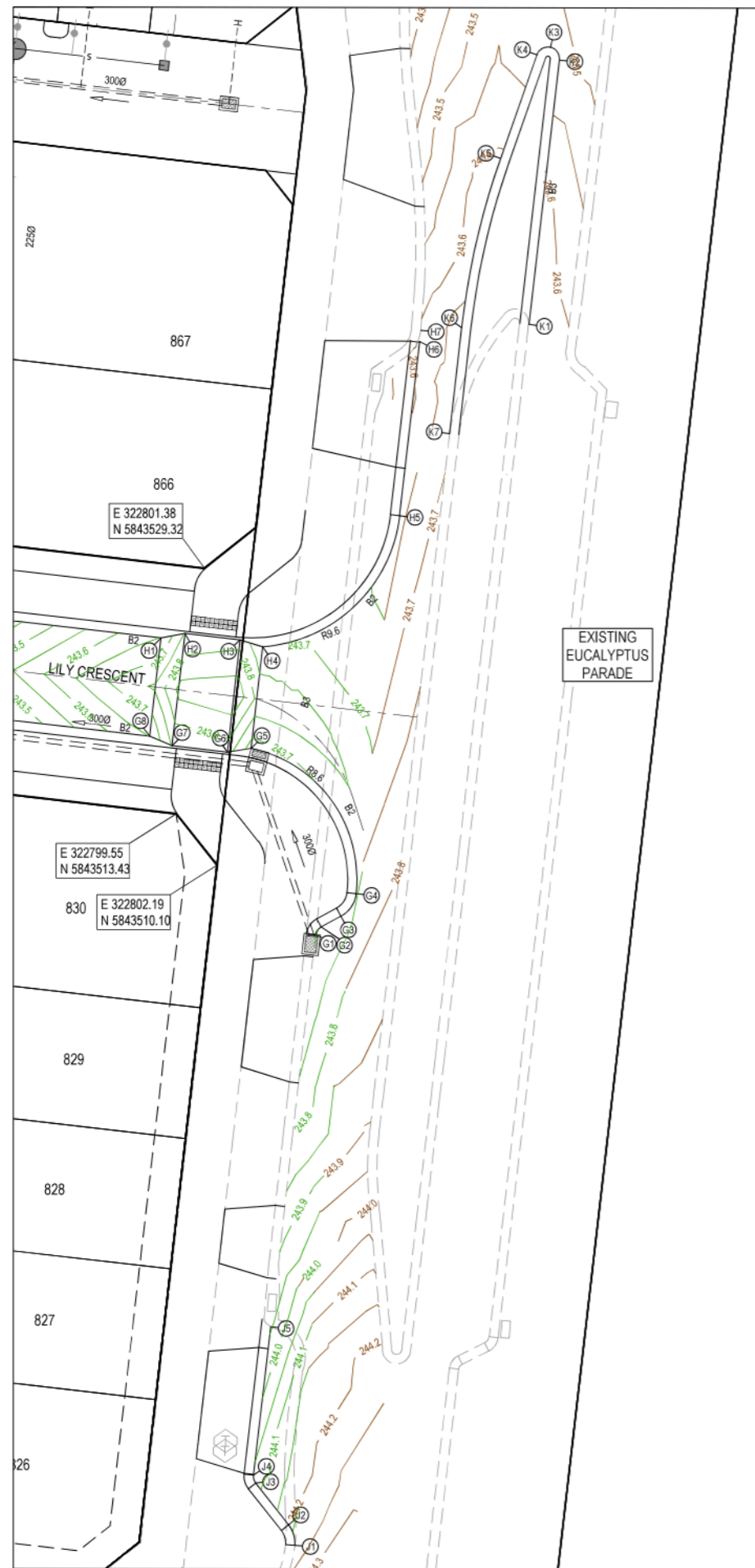


smec
an company
ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

mirvac

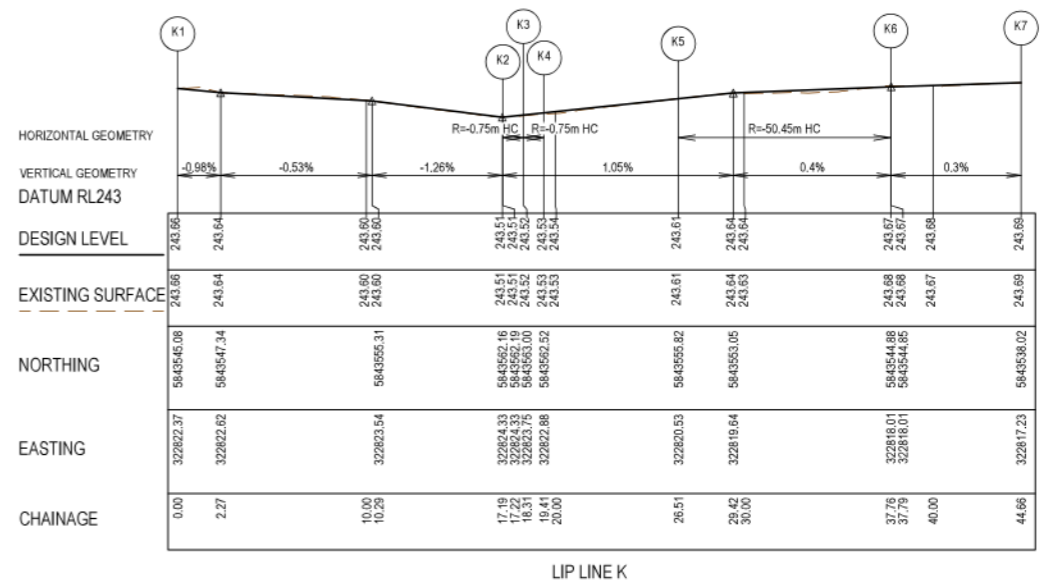
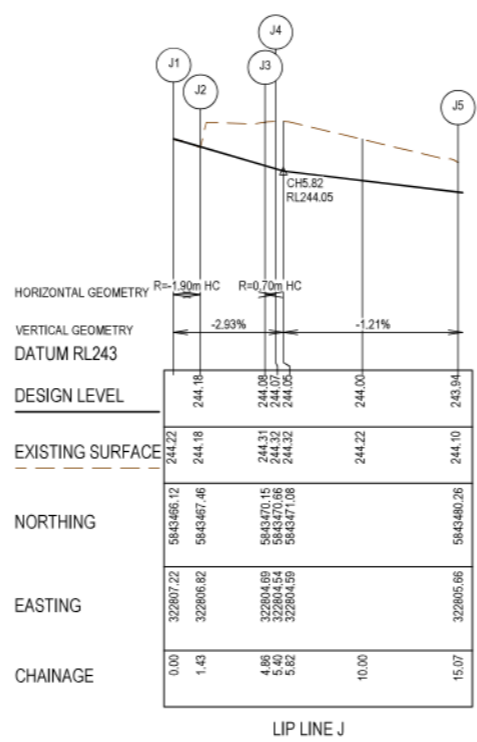
Olivine Estate - Stage 8
Whittlesea City Council
Road and Drainage
Intersection Detail Plan - 2

MELWAYS REF. 367 G11	PROJECT / DRAWING No. 1700E-008-182	SHEET No. 09 of 26	REVISION 0
----------------------	-------------------------------------	--------------------	------------



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. **PS932509M**
[Signature]
DEVELOPMENT ENGINEER
6/05/2026
DATE APPROVED

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

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

Quality Management ISO 9001
Quality Management AS/NZS 1880
Environmental Management ISO 14001

PLAN OF SUB. NO. PS932509M
PERMIT REF. NO. 717121

ISSUED FOR CONSTRUCTION

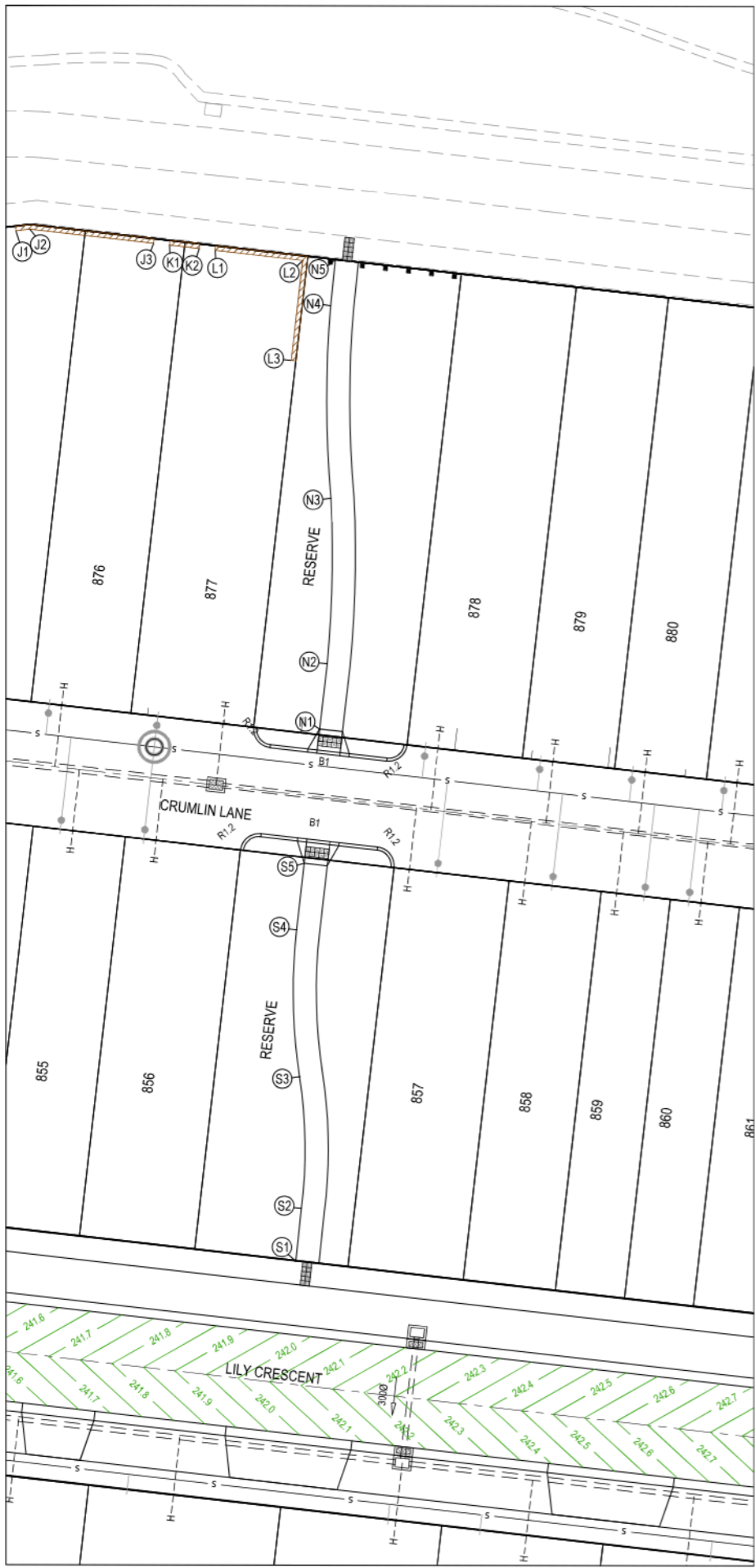
Scale 1:200
SCALE AS SHOWN AT 1

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 8
Whittlesea City Council
Road and Drainage
Intersection Detail Plan - 3

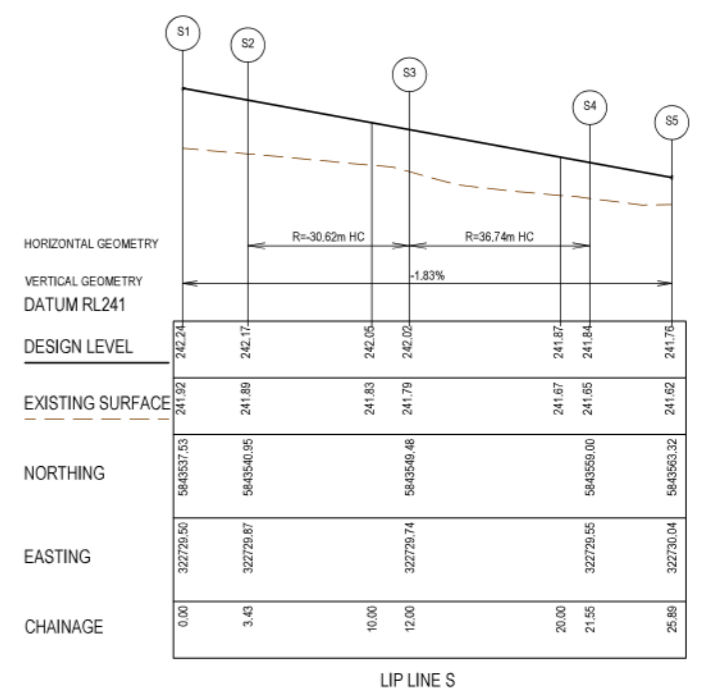
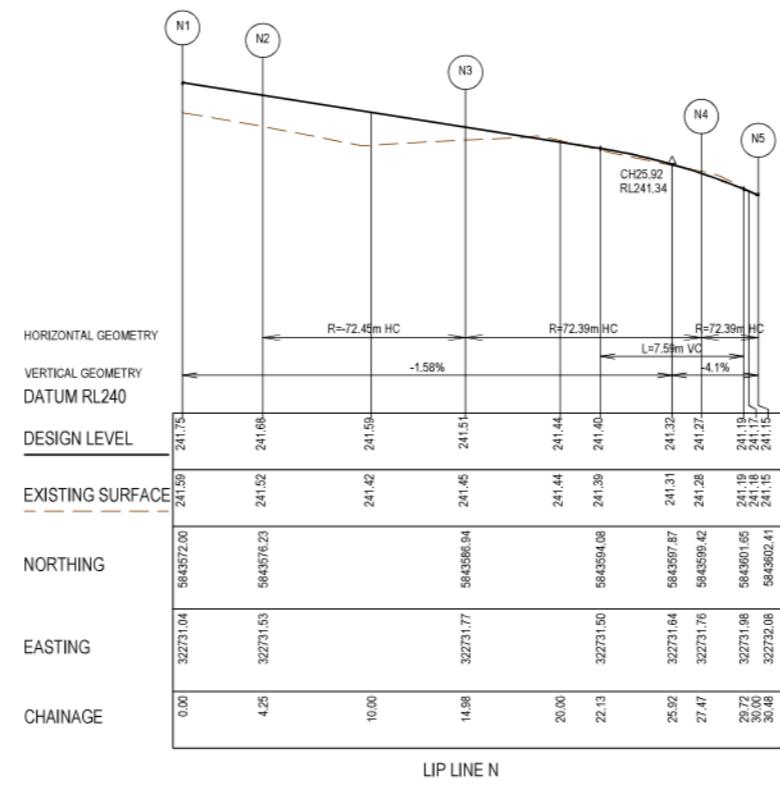
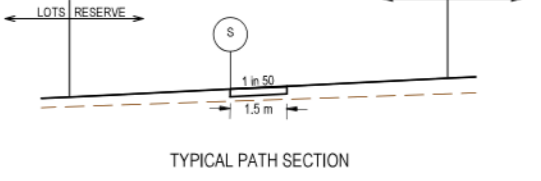
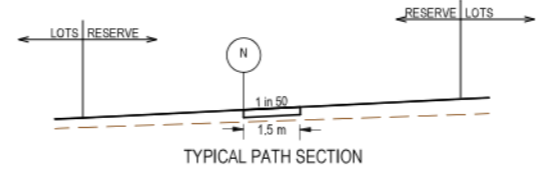
MELWAYS REF. 367 G11 PROJECT / DRAWING No. 1700E-008-183 SHEET No. 10 of 26 REVISION 0



CITY OF WHITTLESEA
 ENGINEERING PLANS & SPECIFICATIONS
 APPROVED PURSUANT TO SECTION 15 OF THE
 SUBDIVISION ACT 1988
 PLAN OF SUBDIVISION No. **PS932509M**
 DEVELOPMENT ENGINEER: *[Signature]* DATE APPROVED: **6/05/2026**

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

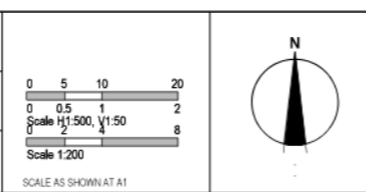


- NOTES**
- ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0.75m FROM PITS.
 - ALL PRAM CROSSINGS TO BE MINIMUM OF 2.0m FROM VEHICLE CROSSINGS.
 - VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.
 - INDUSTRIAL DRIVEWAYS TO COUNCIL RESERVES TO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

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	01.05.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

PLAN OF SUB. NO. PS932509M
 PERMIT REF. NO. 717121

ISSUED FOR CONSTRUCTION

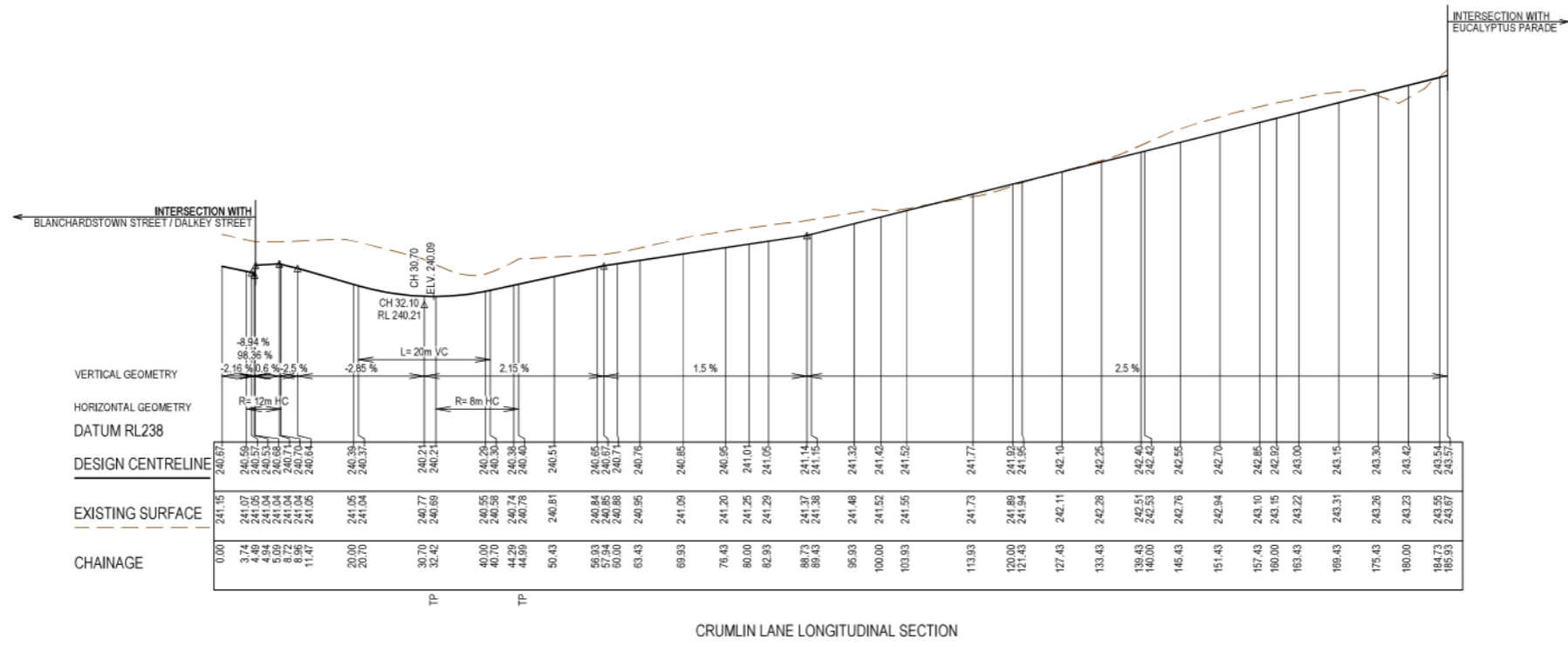
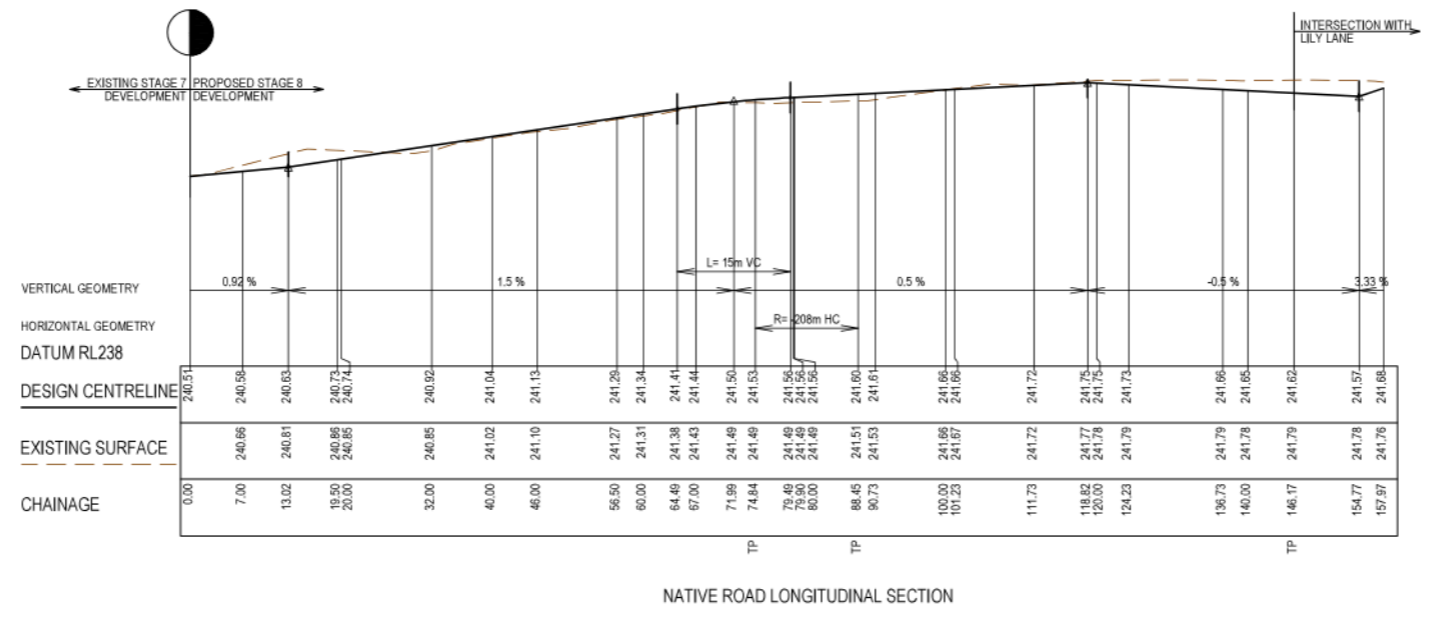


smec
 an company
 ABN 47 065 475 149
 Collins Square, Tower 4, Level 20, 727 Collins St
 Melbourne, VIC 3008
 Ph 03 9514 1500

mirvac

Olivine Estate - Stage 8
 Whittlesea City Council
 Road and Drainage
 Path Detail Plan

MELWAYS REF: 367 G11 PROJECT / DRAWING No: 1700E-008-184 SHEET No: 11 of 26 REVISION: 0





CITY OF WHITTLESEA
 ENGINEERING PLANS & SPECIFICATIONS
 APPROVED PURSUANT TO SECTION 15 OF THE
 SUBDIVISION ACT 1988
 PLAN OF SUBDIVISION No. **PS932509M**

 DEVELOPMENT ENGINEER
 6/05/2026
 DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	RP ENG	PERMIT REF. NO.	PLAN OF SUB. NO.	RP ENG	RP ENG NO.	DATE
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA	717121	PS932509M			

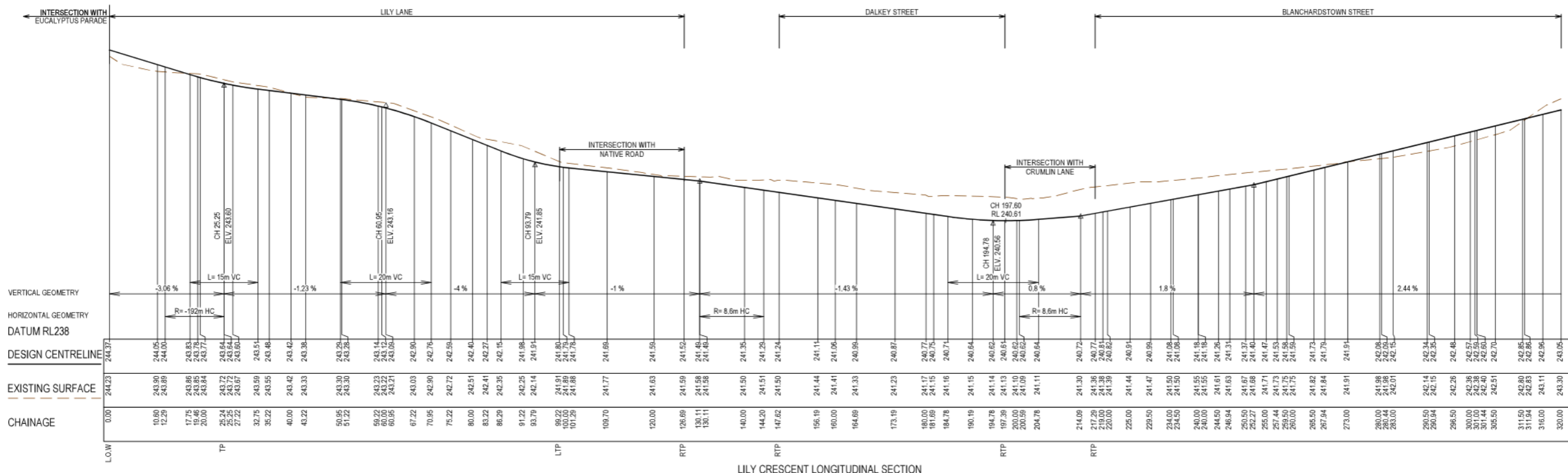
ISSUED FOR CONSTRUCTION


 Scale 1:500
 SCALE AS SHOWN AT 1

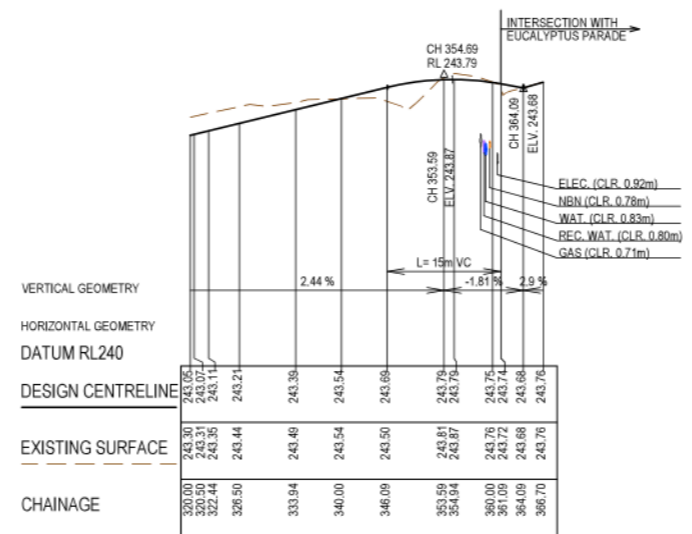

 an smc company
 Collins Square, Tower 4, Level 20, 727 Collins St
 Melbourne, VIC 3008
 Ph 03 9514 1500
 © SMEC AUSTRALIA PTY LTD (ABN 47 065 475 140)

Olivine Estate - Stage 8
 Whittlesea City Council
 Road and Drainage
 Longitudinal Sections - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
367 G11	1700E-008-201	12 of 26	0



LILY CRESCENT LONGITUDINAL SECTION



LILY CRESCENT LONGITUDINAL SECTION

CITY OF WHITTLESEA
 ENGINEERING PLANS & SPECIFICATIONS
 APPROVED PURSUANT TO SECTION 1.5 OF THE
 SUBDIVISION ACT 1988
 PLAN OF SUBDIVISION No. **PS932509M**

[Signature]
 DEVELOPMENT ENGINEER

6/05/2026
 DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

ISSUED FOR CONSTRUCTION

Scale 1:500
 SCALE AS SHOWN AT 1

smec
 an **st** company

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

Olive Estate - Stage 8
 Whittlesea City Council
 Road and Drainage
 Longitudinal Sections - 2

MELBAYS REF 367 G11	PROJECT / DRAWING No. 1700E-008-202	SHEET No. 13 of 26	REVISION 0
-------------------------------	---	------------------------------	----------------------

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



DATUM241.0										
DESIGN SURFACE		242.57	242.34	242.28	242.17	242.27	242.17	242.28	242.41	242.44
EXISTING SURFACE		242.57	242.34	242.28	242.17	242.27	242.17	242.28	242.26	242.44
OFFSET		-7.86	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95

CH 83.22

DATUM241.0										
DESIGN SURFACE		243.17	242.97	242.91	242.80	242.90	242.80	242.91	243.04	243.07
EXISTING SURFACE		243.17	242.97	242.91	242.80	242.90	242.80	242.91	243.04	243.07
OFFSET		-7.68	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95

CH 67.22

DATUM242.0										
DESIGN SURFACE		243.39	243.28	243.39	243.28	243.38	243.28	243.39	243.52	243.55
EXISTING SURFACE		243.39	243.28	243.39	243.28	243.38	243.28	243.39	243.52	243.55
OFFSET		-6.87	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95

CH 43.22

DATUM242.0										
DESIGN SURFACE		243.92	243.85	243.79	243.68	243.78	243.68	243.79	243.92	243.95
EXISTING SURFACE		243.92	243.85	243.79	243.68	243.78	243.68	243.79	243.92	243.95
OFFSET		-6.87	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95

CH 19.46

DATUM243.0										
DESIGN SURFACE		244.30	244.47	244.38	244.27	244.37	244.27	244.38	244.47	244.50
EXISTING SURFACE		244.30	244.47	244.38	244.27	244.37	244.27	244.38	244.47	244.50
OFFSET		-7.51	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95

(LIMIT OF WORK) CH 0.00

DATUM239.0										
DESIGN SURFACE		240.68	240.75	240.64	240.75	240.64	240.75	240.93	240.96	241.47
EXISTING SURFACE		240.68	240.75	240.64	240.75	240.64	240.75	240.93	240.96	241.47
OFFSET		-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	11.05

CH 181.69

DATUM239.0										
DESIGN SURFACE		240.89	241.00	240.89	240.99	241.00	240.89	241.17	241.20	241.51
EXISTING SURFACE		240.89	241.00	240.89	240.99	241.00	240.89	241.17	241.20	241.51
OFFSET		-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	9.82

CH 164.69

DATUM240.0										
DESIGN SURFACE		241.11	241.24	241.13	241.24	241.24	241.13	241.42	241.45	241.52
EXISTING SURFACE		241.11	241.24	241.13	241.24	241.24	241.13	241.42	241.45	241.52
OFFSET		-6.70	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.42

RTPCH 147.62

DATUM240.0										
DESIGN SURFACE		241.54	241.54	241.52	241.41	241.52	241.41	241.52	241.66	241.69
EXISTING SURFACE		241.54	241.54	241.52	241.41	241.52	241.41	241.52	241.66	241.69
OFFSET		-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45

RTPCH 126.69

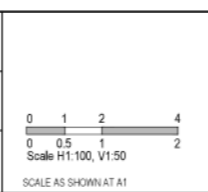
DATUM240.0										
DESIGN SURFACE		242.01	241.87	241.81	241.70	241.80	241.70	241.81	241.94	241.97
EXISTING SURFACE		242.01	241.87	241.81	241.70	241.80	241.70	241.81	241.94	241.97
OFFSET		-7.31	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95

LTPCH 99.10

CITY OF WHITTLESEA
 ENGINEERING PLANS & SPECIFICATIONS
 APPROVED PURSUANT TO SECTION 15 OF THE
 SUBDIVISION ACT 1988
 PLAN OF SUBDIVISION No. **PS932509M**
 DEVELOPMENT ENGINEER: *[Signature]*
 DATE APPROVED: **6/05/2026**

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

PLAN OF SUB. NO. PS932509M
 PERMIT REF. NO. 717121
ISSUED FOR CONSTRUCTION



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

mirvac

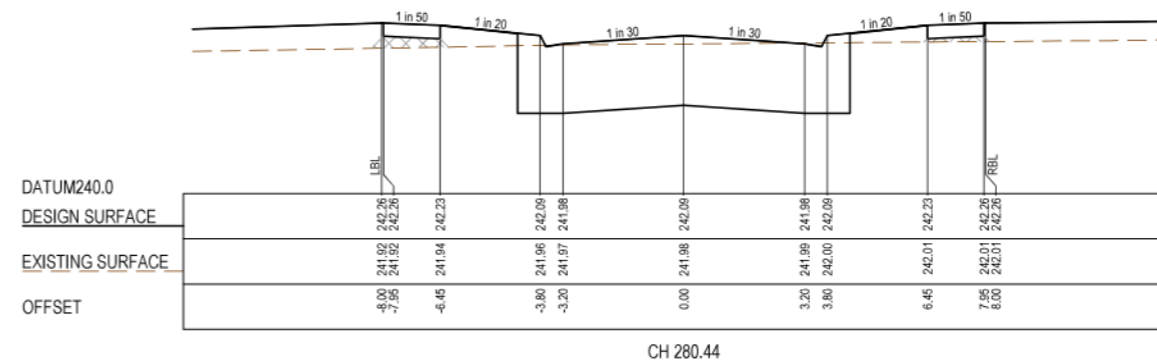
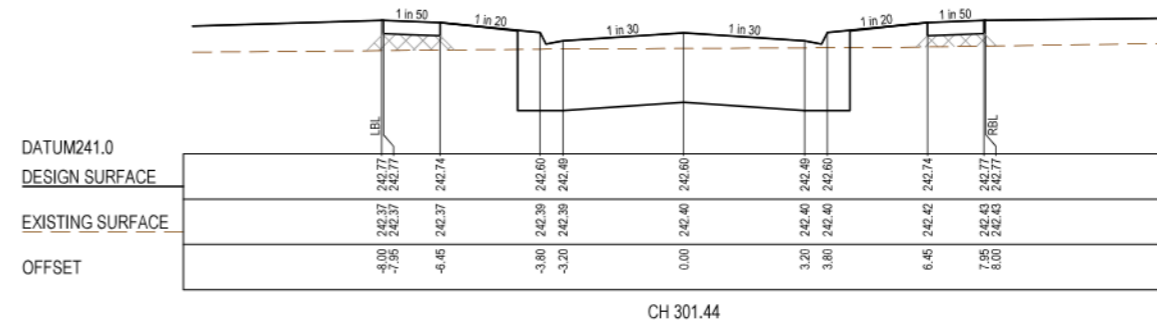
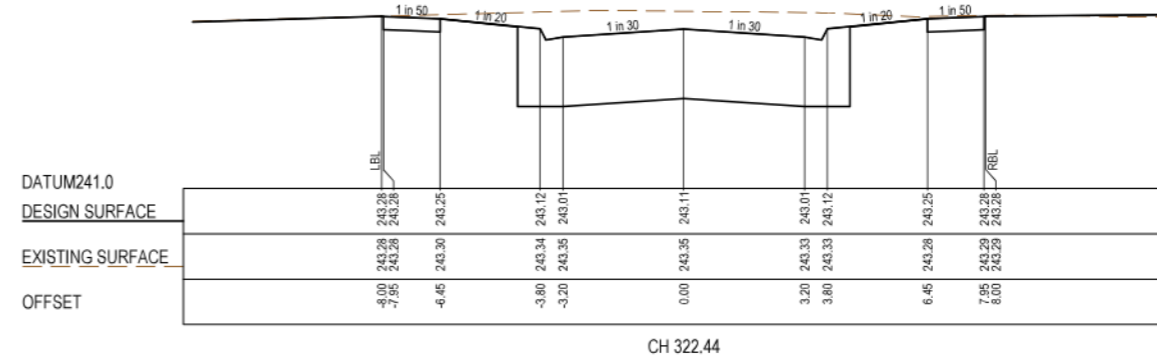
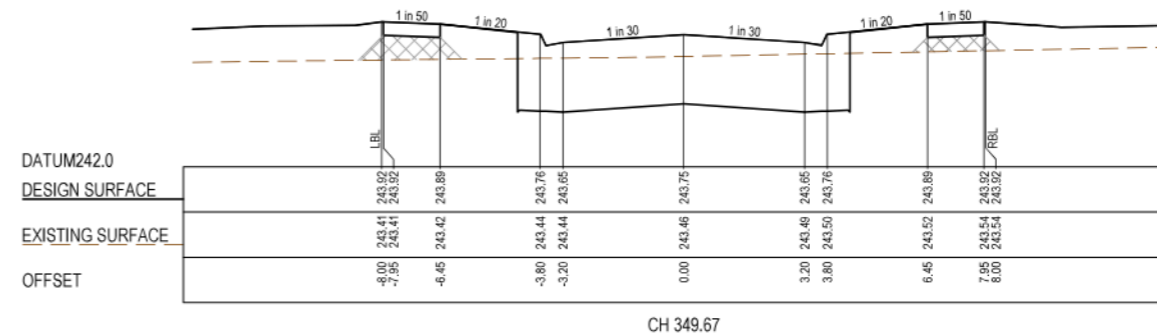
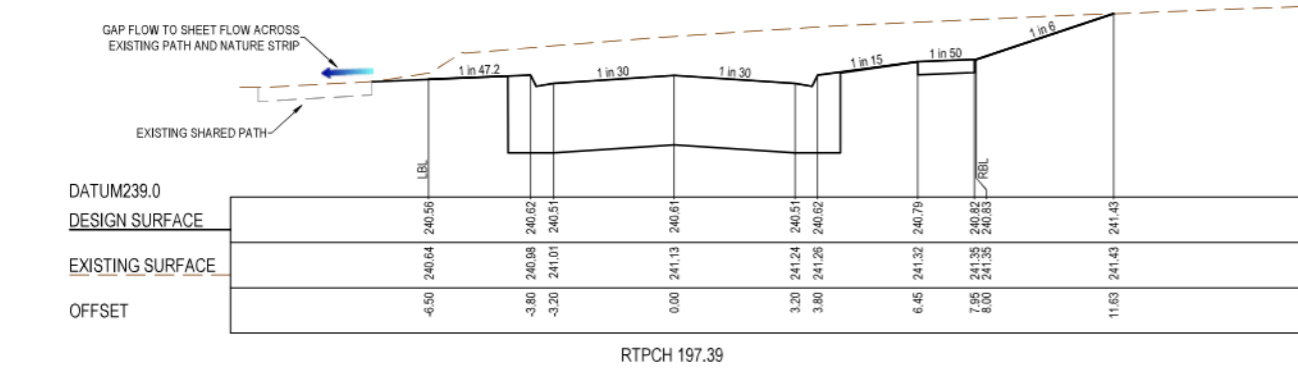
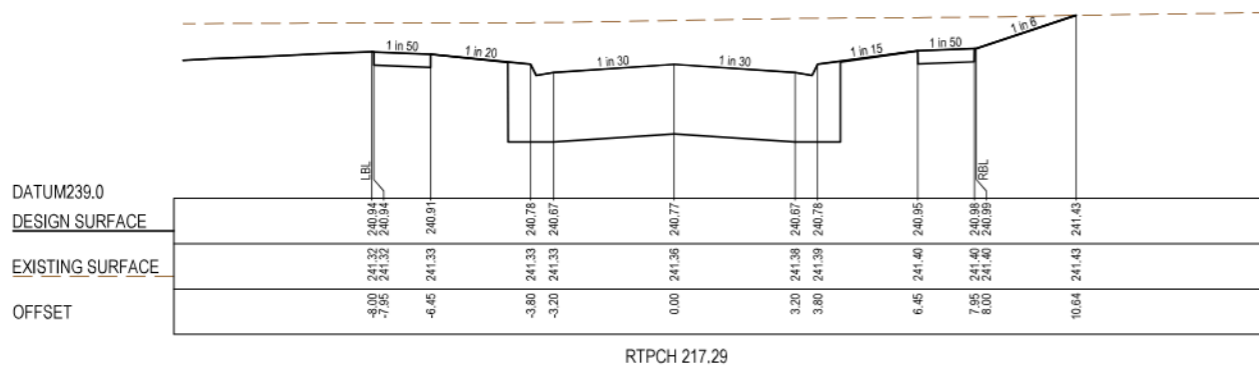
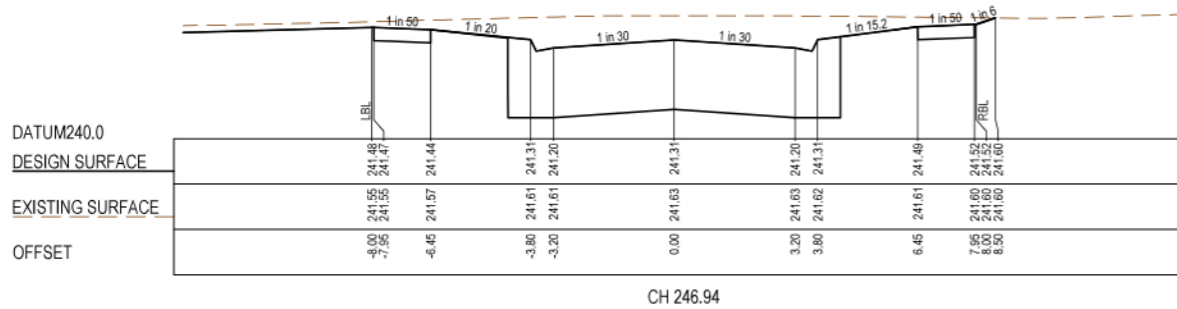
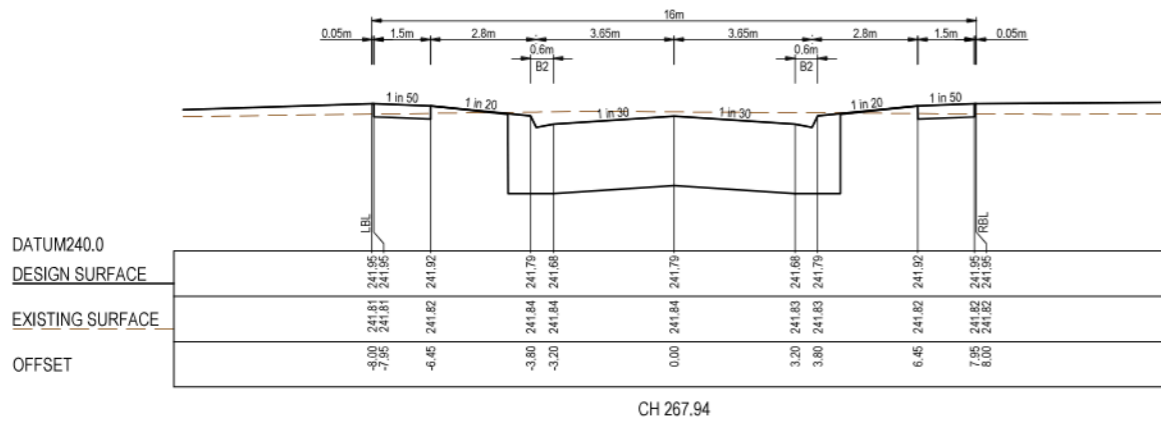
Olive Estate - Stage 8
 Whittlesea City Council
 Road and Drainage
 Cross Sections: Lily Crescent
 Ch0.00- Ch 164.69

MELBAYS REF: 367 G11
 PROJECT / DRAWING No: 1700E-008-251
 SHEET No: 14 of 26
 REVISION: 0

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. **PS932509M**

 DEVELOPMENT ENGINEER
 6/05/2026
 DATE APPROVED



REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

Quality Management ISO 9001
 Environmental Management ISO 14001
 Global-Mark.com.au®

ISSUED FOR CONSTRUCTION

PLAN OF SUB. NO.
PS932509M

PERMIT REF. NO.
717121

Scale H:1:100, V:1:50
SCALE AS SHOWN AT 1

smec
an  company

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

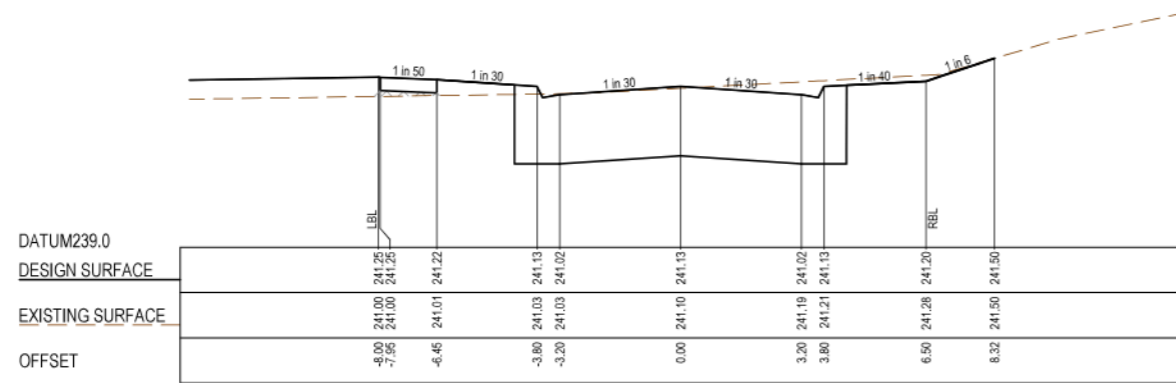
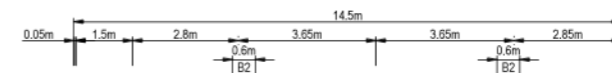
mirvac

Olivine Estate - Stage 8
 Whittlesea City Council
 Road and Drainage
 Cross Sections: Lily Crescent
 Ch 181.69 - Ch349.67

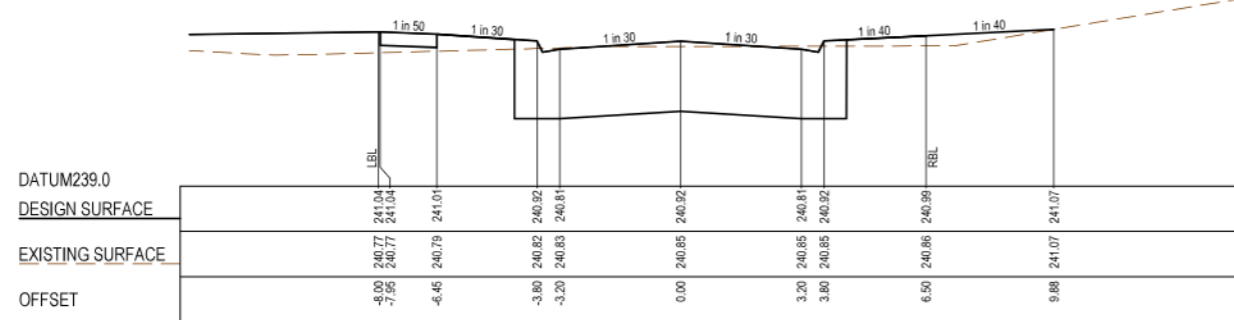
MELWAYS REF: 367 G11
 PROJECT / DRAWING No: 1700E-008-252
 SHEET No: 15 of 26
 REVISION: 0

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

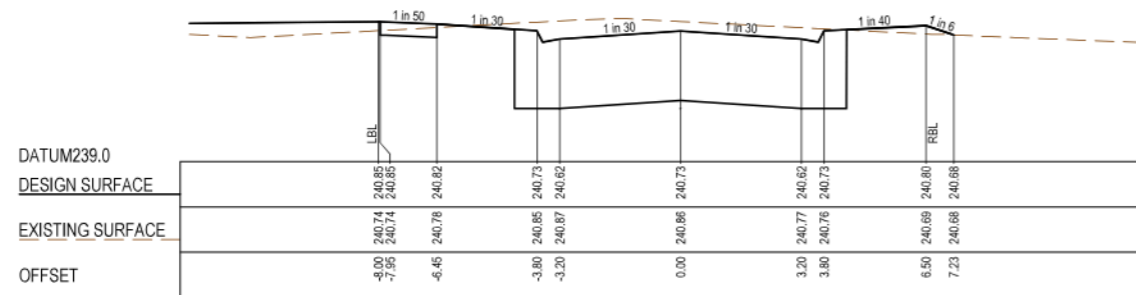
CITY OF WHITTLESEA
 ENGINEERING PLANS & SPECIFICATIONS
 APPROVED PURSUANT TO SECTION 15 OF THE
 SUBDIVISION ACT 1988
 PLAN OF SUBDIVISION No. **PS932509M**
 DEVELOPMENT ENGINEER: *[Signature]* DATE APPROVED: **6/05/2026**



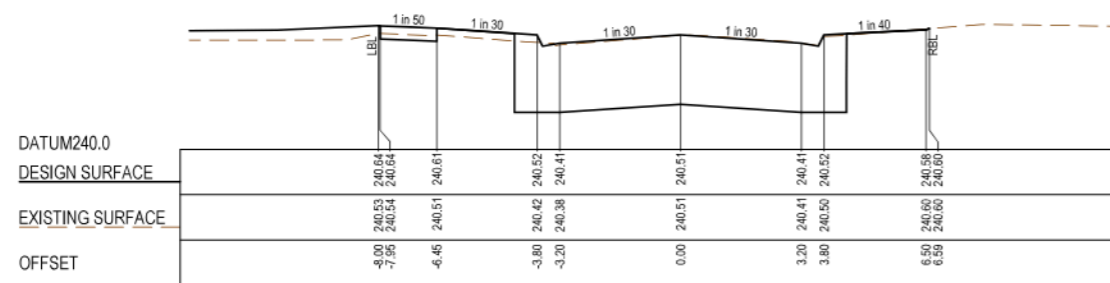
CH 46.00



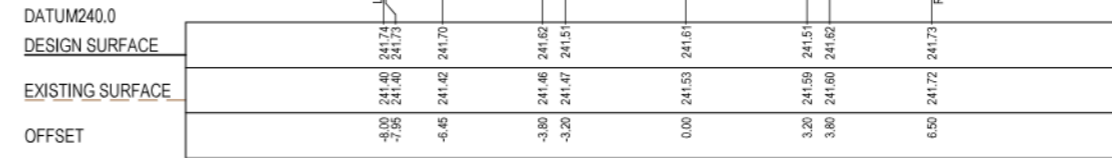
CH 32.00



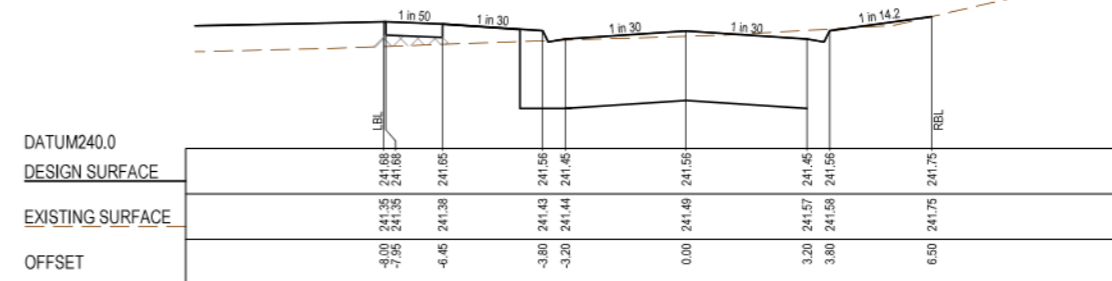
CH 19.50



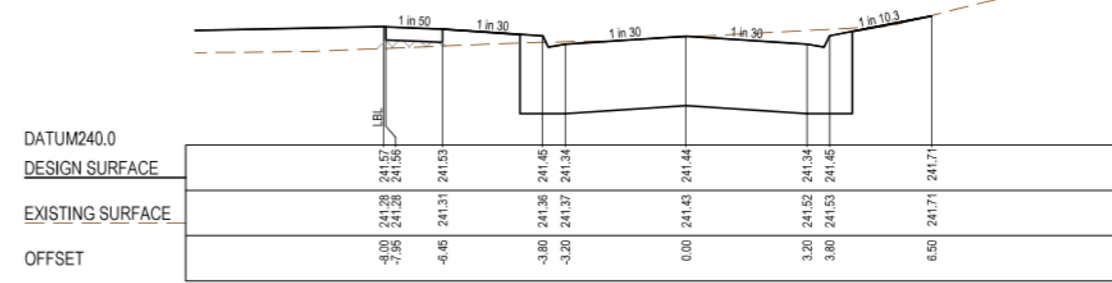
(LIMIT OF WORK) CH 0.00



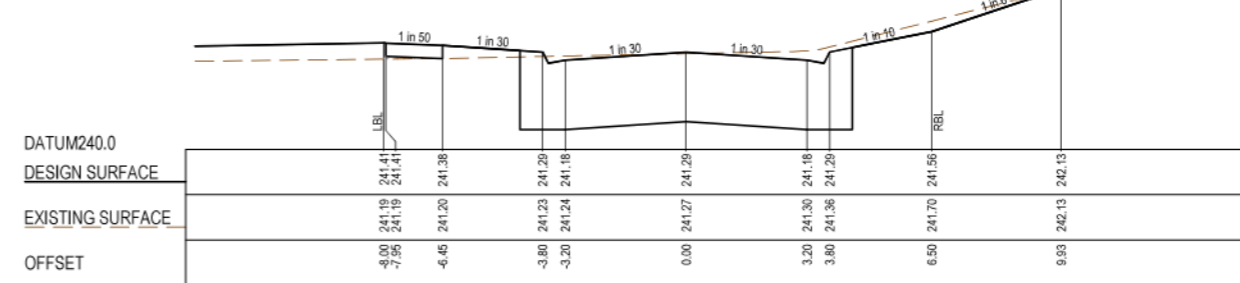
CH 90.73



CH 79.90



CH 67.00



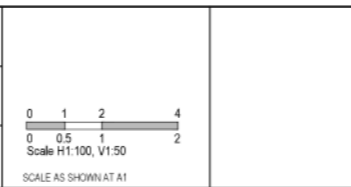
CH 56.50

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

Quality Management ISO 9001
 Global-Mark.com.au®
 Quality Management AS/NZS 1881
 Global-Mark.com.au®
 Environmental Management ISO 14001
 Global-Mark.com.au®

PLAN OF SUB. NO. PS932509M
 PERMIT REF. NO. 717121

ISSUED FOR CONSTRUCTION



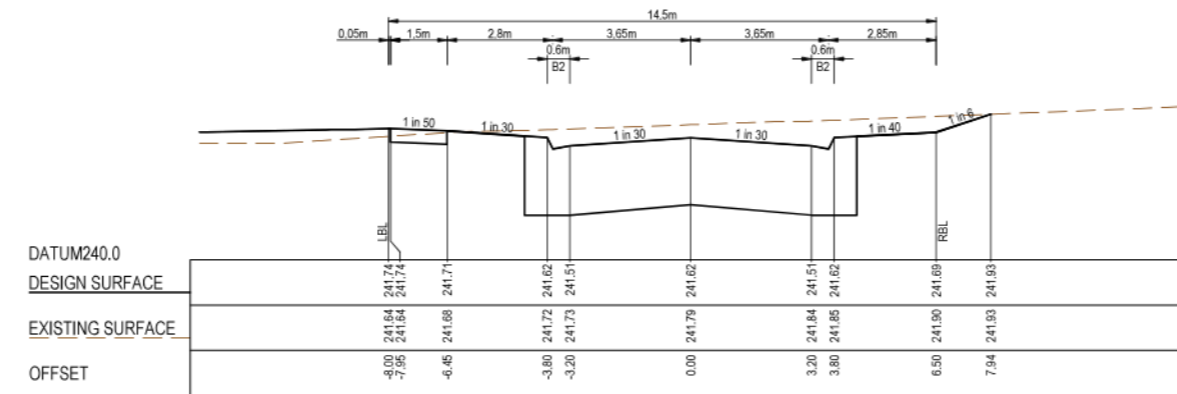
smec
 an **eb** company
 ABN 47 065 475 149
 Collins Square, Tower 4, Level 20, 727 Collins St
 Melbourne, VIC 3008
 Ph 03 9514 1500

mirvac

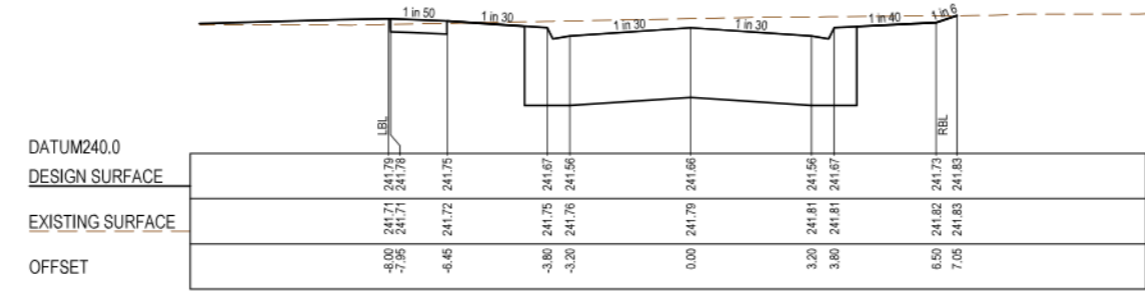
Olivine Estate - Stage 8
 Whittlesea City Council
 Road and Drainage
 Cross Sections: Native Road
 Ch 0.00 - Ch 90.73

MELWAYS REF: 367 G11 PROJECT / DRAWING No: 1700E-008-253 SHEET No: 16 of 26 REVISION: 0

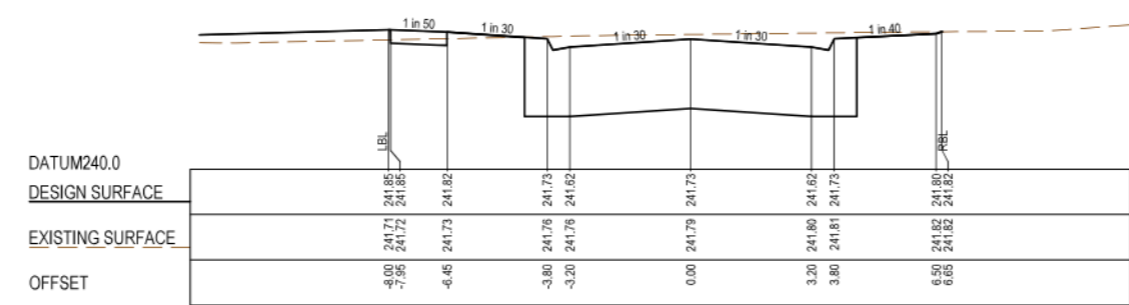
TYPE A STRUCTURAL FILL AT A 45° ANGLE OF REPOSE REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



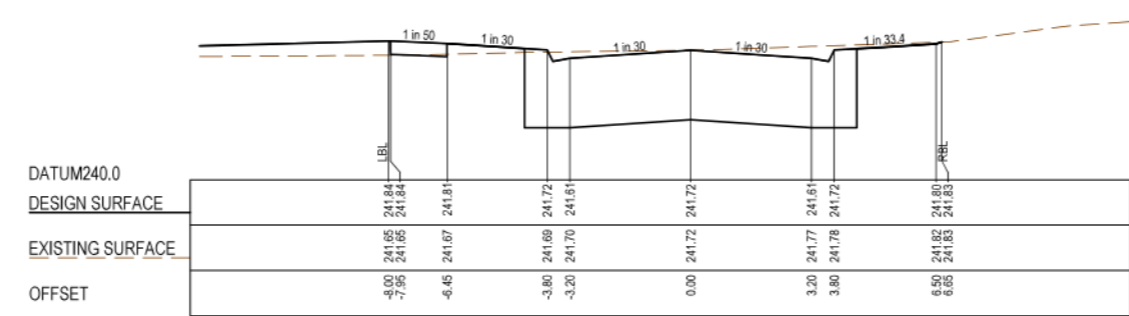
TPCH 146.17



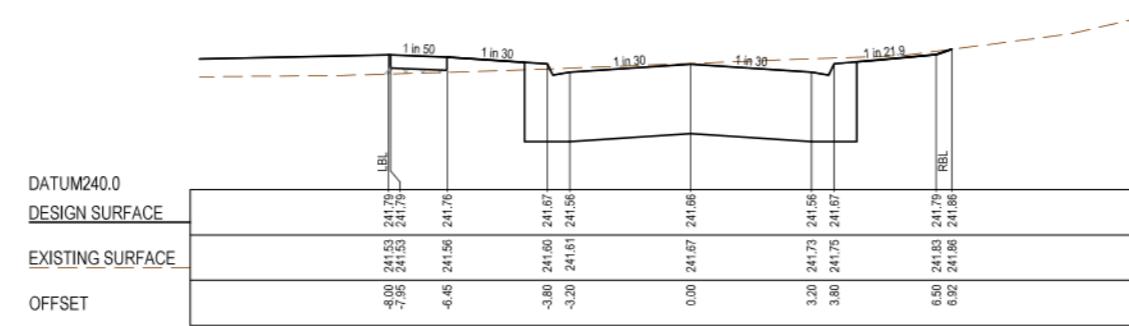
CH 136.73



CH 124.23



CH 111.73



CH 101.23

CITY OF WHITTLESEA
 ENGINEERING PLANS & SPECIFICATIONS
 APPROVED PURSUANT TO SECTION 15 OF THE
 SUBDIVISION ACT 1988
 PLAN OF SUBDIVISION No. **PS932509M**

 DEVELOPMENT ENGINEER
 6/05/2026
 DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

Quality Management ISO 9001
 Quality Management AS/NZS 1880
 Environmental Management ISO 14001
 Global-Mark.com.au®

PLAN OF SUB. NO.
PS932509M
 PERMIT REF. NO.
717121

ISSUED FOR CONSTRUCTION

Scale 1:100, V1:50
 SCALE AS SHOWN AT A1

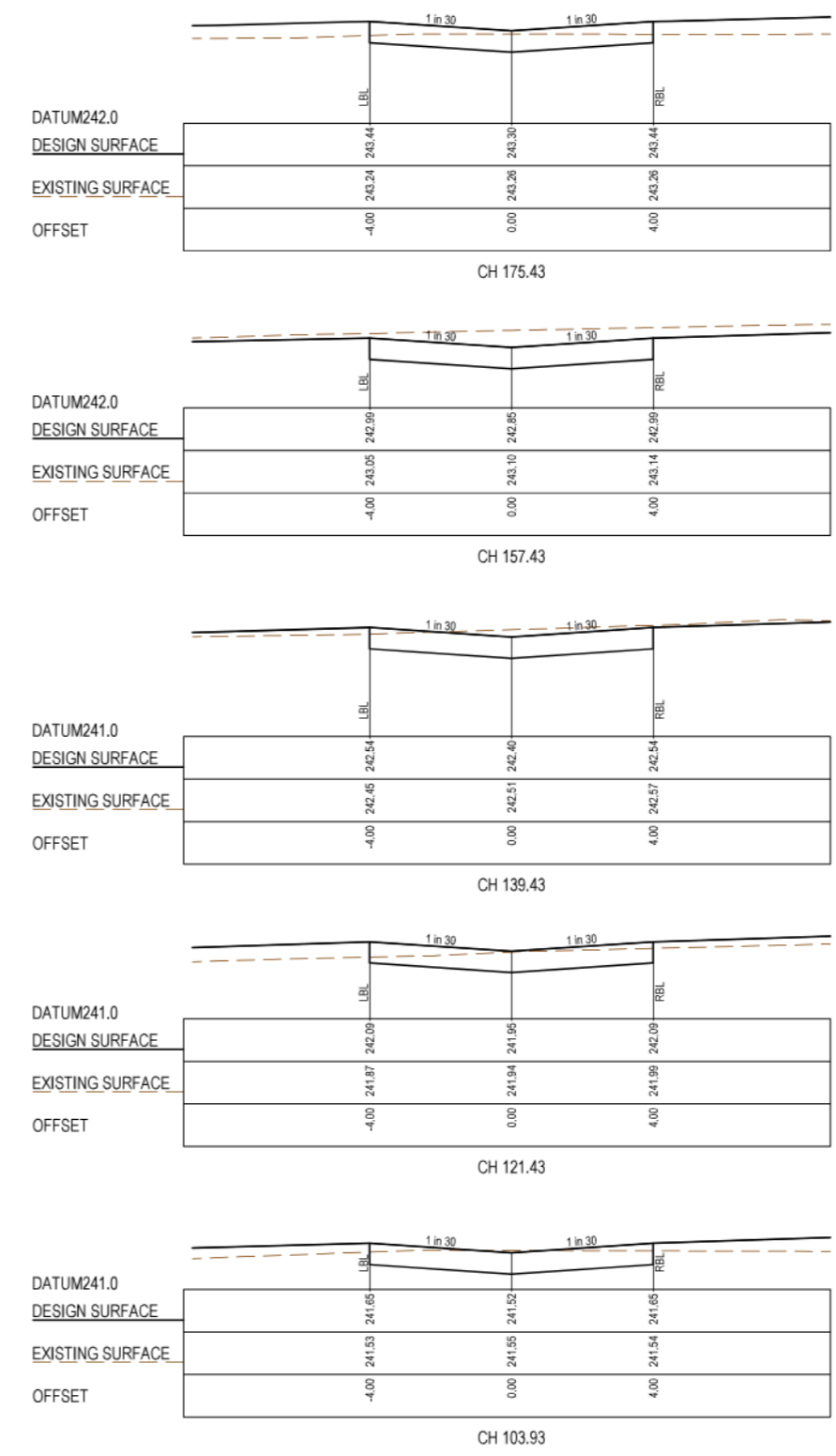
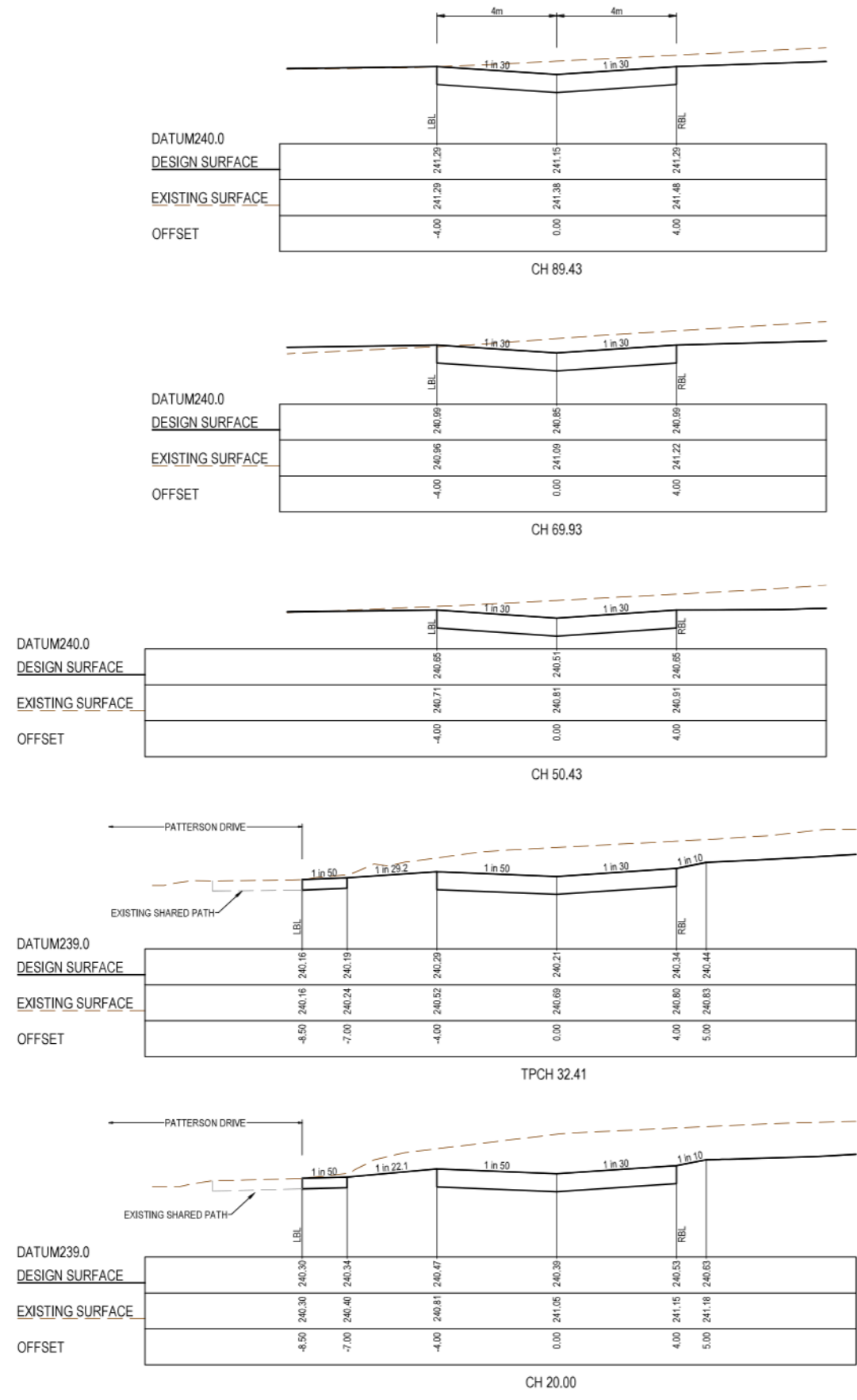
smec
 an company
 ABN 47 065 475 149
 Collins Square, Tower 4, Level 20, 727 Collins St
 Melbourne, VIC 3008
 Ph 03 9514 1500

mirvac

Olivine Estate - Stage 8
 Whittlesea City Council
 Road and Drainage
 Cross Sections: Native Road
 Ch 101.23 - Ch 136.73

MELBAYS REF 367 G11	PROJECT / DRAWING No. 1700E-008-254	SHEET No. 17 of 26	REVISION 0
-------------------------------	---	------------------------------	----------------------

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. **PS932509M**
 DEVELOPMENT ENGINEER: [Signature]
 DATE APPROVED: 6/05/2026

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

PLAN OF SUB. NO. PS932509M
 PERMIT REF. NO. 717121

ISSUED FOR CONSTRUCTION

Scale H:1:100, V:1:50
 SCALE AS SHOWN AT A1

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

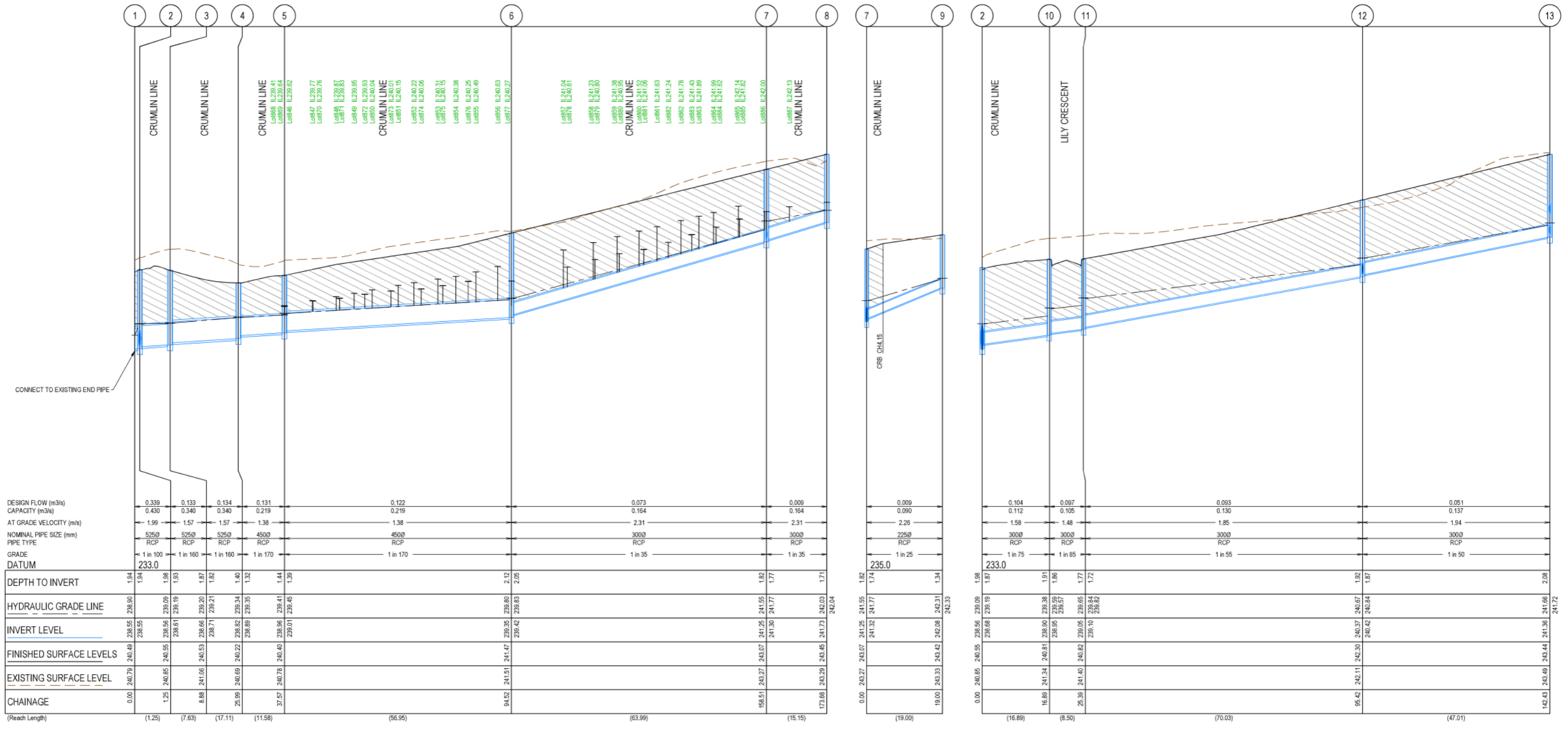
mirvac

Olivine Estate - Stage 8
 Whittlesea City Council
 Road and Drainage
 Cross Sections: Crumlin Lane

MELBAYS REF: 367 G11
 PROJECT / DRAWING No: 1700E-008-255
 SHEET No: 18 of 26
 REVISION: 0

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. **PS932509M**
 DEVELOPMENT ENGINEER: *[Signature]*
 DATE APPROVED: **6/05/2026**



REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

PLAN OF SUB. NO. PS932509M
 PERMIT REF. NO. 717121

ISSUED FOR CONSTRUCTION

Scale H1500, V150
 SCALE AS SHOWN AT 1

smec
 an **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 8
 Whittlesea City Council
 Road and Drainage
 Drainage Longitudinal Sections - 1

MELBAYS REF: 367 G11
 PROJECT / DRAWING No: 1700E-008-301
 SHEET No: 19 of 26
 REVISION: 0

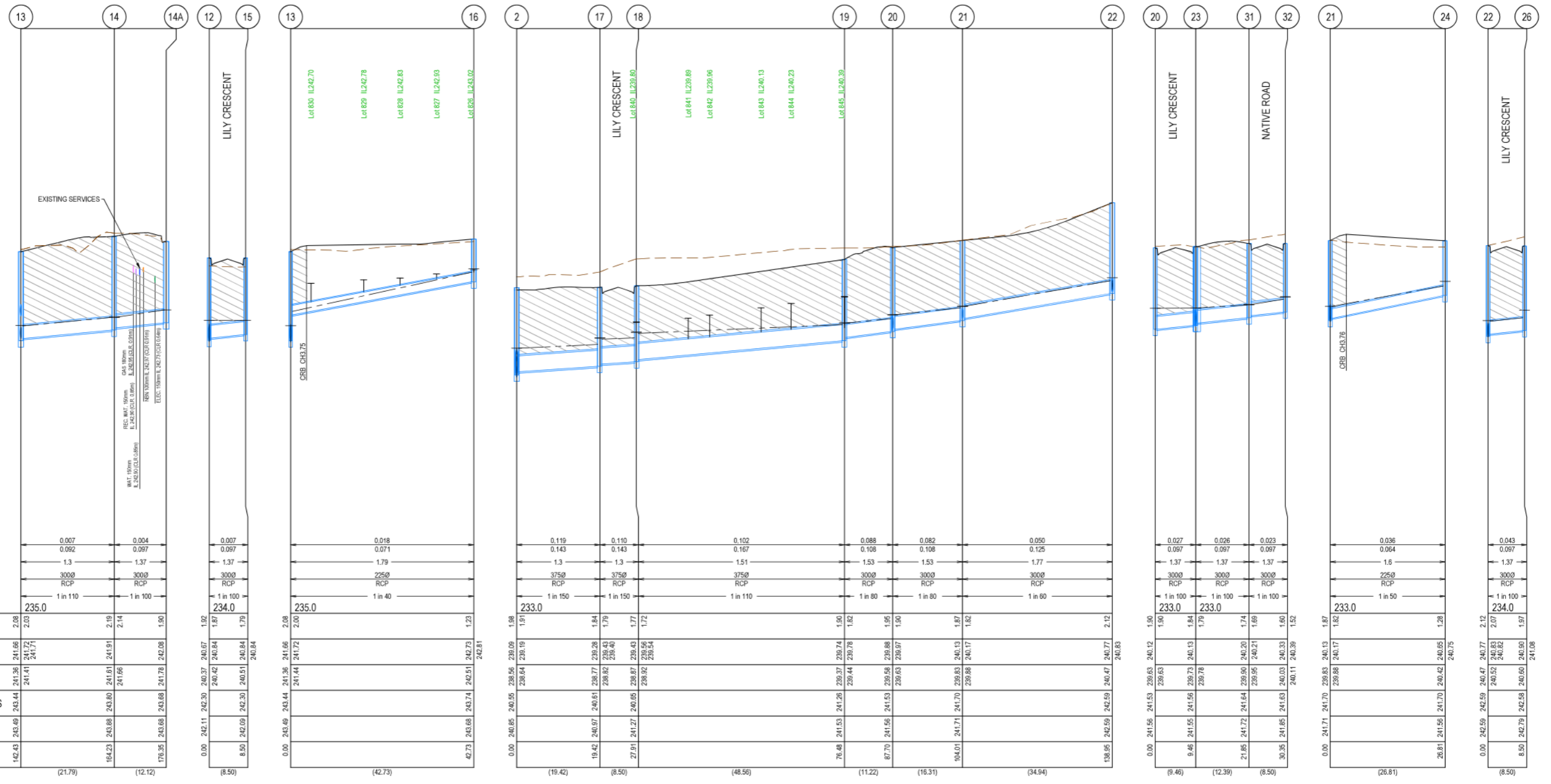
CRUSHED ROCK BACKFILL
 CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS SPECIFIED OTHERWISE

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

PLAN OF SUBDIVISION No. **PS932509M**

HGL
 DEVELOPMENT ENGINEER

6/05/2026
 DATE APPROVED



REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

PLAN OF SUB. NO. PS932509M
 PERMIT REF. NO. 717121

ISSUED FOR CONSTRUCTION

Scale H1:500, V1:50
 SCALE AS SHOWN AT 1

smec
 an **sm** company

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

mirvac

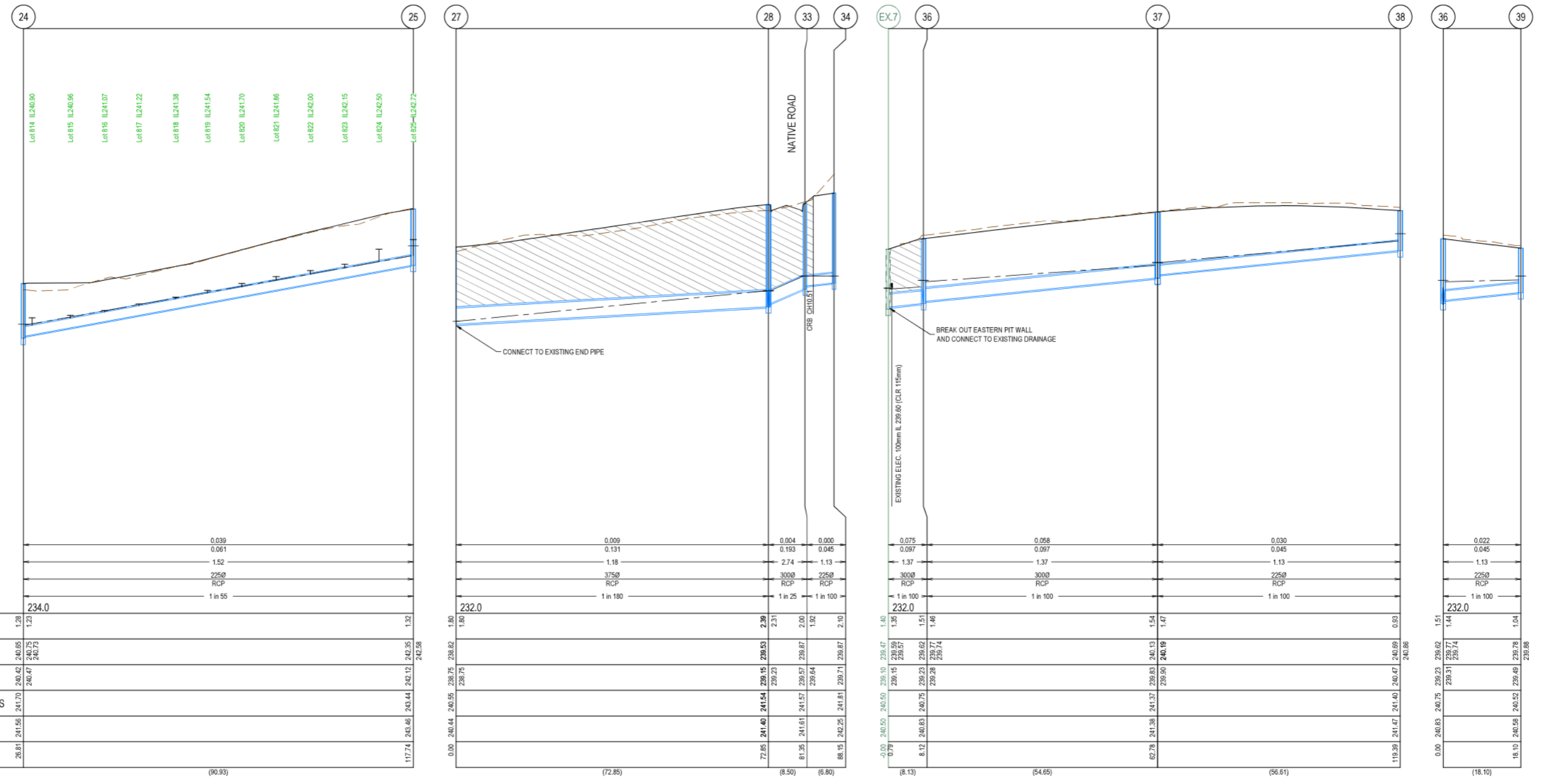
Olivine Estate - Stage 8
 Whittlesea City Council
 Road and Drainage
 Drainage Longitudinal Sections - 2

MELWAYS REF: 367 G11
 PROJECT / DRAWING No: 1700E-008-302
 SHEET No: 20 of 26
 REVISION: 0

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. **PS932509M**

 DEVELOPMENT ENGINEER 6/05/2026
DATE APPROVED



DESIGN FLOW (m ³ /s)	CAPACITY (m ³ /s)	AT GRADE VELOCITY (m/s)	NOMINAL PIPE SIZE (mm)	PIPE TYPE	GRADE	DATUM	DEPTH TO INVERT	HYDRAULIC GRADE LINE	INVERT LEVEL	FINISHED SURFACE LEVELS	EXISTING SURFACE LEVEL	CHAINAGE
0.039	0.061	1.52	225Ø	RCP	1 in 55	234.0	1.28	240.95	240.42	241.70	241.56	26.81
							1.28	240.75	240.47	241.70	241.56	117.74
							1.80	238.75	238.75	240.44	243.46	117.74
							2.29	236.53	236.15	241.54	241.81	72.85
							2.31	236.23	236.23	241.54	241.81	81.35
							2.00	236.87	236.57	241.57	241.81	88.15
							1.92	236.64	236.64	241.57	241.81	88.15
							2.10	236.87	236.87	241.81	242.25	88.15
							1.40	239.47	239.10	240.50	241.28	62.78
							1.36	239.59	239.59	240.50	241.28	62.78
							1.51	239.62	239.23	240.75	241.37	62.78
							1.46	239.77	239.28	240.75	241.37	62.78
							1.54	240.13	239.83	241.37	241.37	62.78
							1.47	240.19	239.90	241.37	241.37	62.78
							0.63	240.89	240.47	241.40	241.40	119.39
							0.63	240.89	240.47	241.40	241.40	119.39
							1.51	239.62	239.23	240.75	241.51	0.00
							1.44	239.77	239.74	241.51	241.51	0.00
							1.04	239.78	239.49	240.52	240.52	18.10
							1.04	239.86	239.86	240.52	240.52	18.10

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

Quality Management ISO 9001
 Environmental Management AS/NZS 18001
 Global-Mark.com.au®

PLAN OF SUB. NO.
PS932509M

PERMIT REF. NO.
717121

ISSUED FOR CONSTRUCTION

0 5 10 20
 0 0.5 1 2
 Scale H1500, V150
 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 8
 Whittlesea City Council
 Road and Drainage
 Drainage Longitudinal Sections - 3

MELBAYS REF: 367 G11 PROJECT / DRAWING No: 1700E-008-303 SHEET No: 21 of 26 REVISION: 0

PIT SCHEDULE											
PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		F.S.L.	DEPTH	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INV R.L. (m)	DIAMETER (mm)	INV R.L. (m)				
1	ENDPIPE			525	238.55			240.49			
2	JUNCTION PIT	900	900	525	238.61	525	238.56	240.55	1.99	EDCM 605	HAUNCHED TO 600x900 PIT COVER PROVIDE HD COVER
				300	238.68						
				375	238.64						
3	GRADED PIT	1050	900	525	238.71	525	238.66	240.53	1.87	EDCM 605	HAUNCHED TO 600x900 PIT COVER. HEAVY DUTY BIKE SAFE GRATE REFER TO DWG 1700E-008-421 FOR DETAILS
4	GRADED PIT	1050	900	450	238.89	525	238.82	240.22	1.40	EDCM 605	HAUNCHED TO 600x900 PIT COVER. HEAVY DUTY BIKE SAFE GRATE REFER TO DWG 1700E-008-421 FOR DETAILS
5	GRADED PIT	1050	900	450	239.01	450	238.96	240.40	1.44	EDCM 605	HAUNCHED TO 600x900 PIT COVER. HEAVY DUTY BIKE SAFE GRATE REFER TO DWG 1700E-008-421 FOR DETAILS
6	GRADED PIT	600	900	300	239.42	450	239.35	241.47	2.12	EDCM 605	HEAVY DUTY BIKE SAFE GRATE REFER TO DWG 1700E-008-421 FOR DETAILS
7	GRADED PIT	600	900	300	241.30	300	241.25	243.07	1.82	EDCM 605	HEAVY DUTY BIKE SAFE GRATE REFER TO DWG 1700E-008-421 FOR DETAILS
				225	241.32						
8	GRADED PIT	600	900			300	241.73	243.45	1.71	EDCM 605	HEAVY DUTY BIKE SAFE GRATE REFER TO DWG 1700E-008-421 FOR DETAILS
9	JUNCTION PIT	600	900			225	242.08	243.42	1.34	EDCM 605	
10	GRADED ENTRY PIT	600	900	300	238.95	300	238.90	240.81	1.91	EDCM 601 & 605	
11	GRADED ENTRY PIT	600	900	300	239.10	300	239.05	240.82	1.77	EDCM 601 & 605	
12	GRADED ENTRY PIT	600	900	300	240.42	300	240.37	242.30	1.93	EDCM 601 & 605	
				300	240.42						
13	JUNCTION PIT	600	900	300	241.41	300	241.36	243.44	2.08	EDCM 605	
				225	241.96						
14	GRADED ENTRY PIT	600	900	300	241.66	300	241.61	243.80	2.19	EDCM 601 & 605	
14A	GRADED ENTRY PIT	1000	750			300	241.78	243.68	1.90	VICROADS SD1322	PROVIDE HD COVER
15	GRADED ENTRY PIT	600	900			300	240.51	242.30	1.79	EDCM 601 & 605	
16	JUNCTION PIT	600	900			225	242.51	243.74	1.23	EDCM 605	
17	DOUBLE GRADED ENTRY PIT	600	900	375	238.82	375	238.77	240.61	1.84	EDCM 602 & 605	
18	DOUBLE GRADED ENTRY PIT	600	900	375	238.92	375	238.87	240.65	1.77	EDCM 602 & 605	
19	JUNCTION PIT	600	900	300	239.44	375	239.37	241.26	1.90	EDCM 605	
20	GRADED ENTRY PIT	600	900	300	239.63	300	239.58	241.53	1.95	EDCM 601 & 605	
				300	239.63						
21	JUNCTION PIT	600	900	300	239.88	300	239.83	241.70	1.87	EDCM 605	
				225	239.88						
22	GRADED ENTRY PIT	600	900	300	240.52	300	240.47	242.59	2.12	EDCM 601 & 605	
23	GRADED ENTRY PIT	600	900	300	239.78	300	239.73	241.53	1.84	EDCM 601 & 605	
24	JUNCTION PIT	600	900	225	240.47	225	240.42	241.70	1.28	EDCM 605	
25	JUNCTION PIT	600	900			225	242.12	243.44	1.32	EDCM 605	
26	GRADED ENTRY PIT	600	900			300	240.60	242.58	1.97	EDCM 601 & 605	
27	ENDPIPE			375	238.75			240.55	0.00		
28	GRADED ENTRY PIT	600	900	300	239.23	375	239.16	241.55	2.40	EDCM 601 & 605	
29	JUNCTION PIT	600	900	300	239.33	300	239.28	241.59	2.32	EDCM 605	
30	JUNCTION PIT	600	900	300	239.46	300	239.41	241.67	2.26	EDCM 605	
31	GRADED ENTRY PIT	600	900	300	239.95	300	239.90	241.64	1.74	EDCM 601 & 605	
32	GRADED ENTRY PIT	600	900	225	240.11	300	240.03	241.63	1.60	EDCM 601 & 605	
33	GRADED ENTRY PIT	600	900	225	239.64	300	239.57	241.57	2.00	EDCM 601 & 605	
34	GRADED PIT	900	600			225	239.71	241.81	2.10	EDCM 605	
35	GRADED PIT	900	600			225	240.00	241.98	1.98	EDCM 605	
Ex.7	GRADED ENTRY PIT	900	600	300	239.15	375	239.10	240.50	1.40		BREAK OUT EASTERN PIT WALL AND CONNECT TO EXISTING DRAINAGE AT IL239.15
36	JUNCTION PIT	600	900	300	239.28	300	239.23	240.75	1.51	EDCM 605	
37	JUNCTION PIT	600	900	225	239.90	300	239.83	241.37	1.54	EDCM 605	
38	JUNCTION PIT	600	900			225	240.47	241.40	0.93	EDCM 605	
39	JUNCTION PIT	600	900			225	239.49	240.53	1.04	EDCM 605	

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS932509M
[Signature]
DEVELOPMENT ENGINEER 6/05/2026
DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA





PLAN OF SUB. NO. PS932509M
 PERMIT REF. NO. 717121
ISSUED FOR CONSTRUCTION

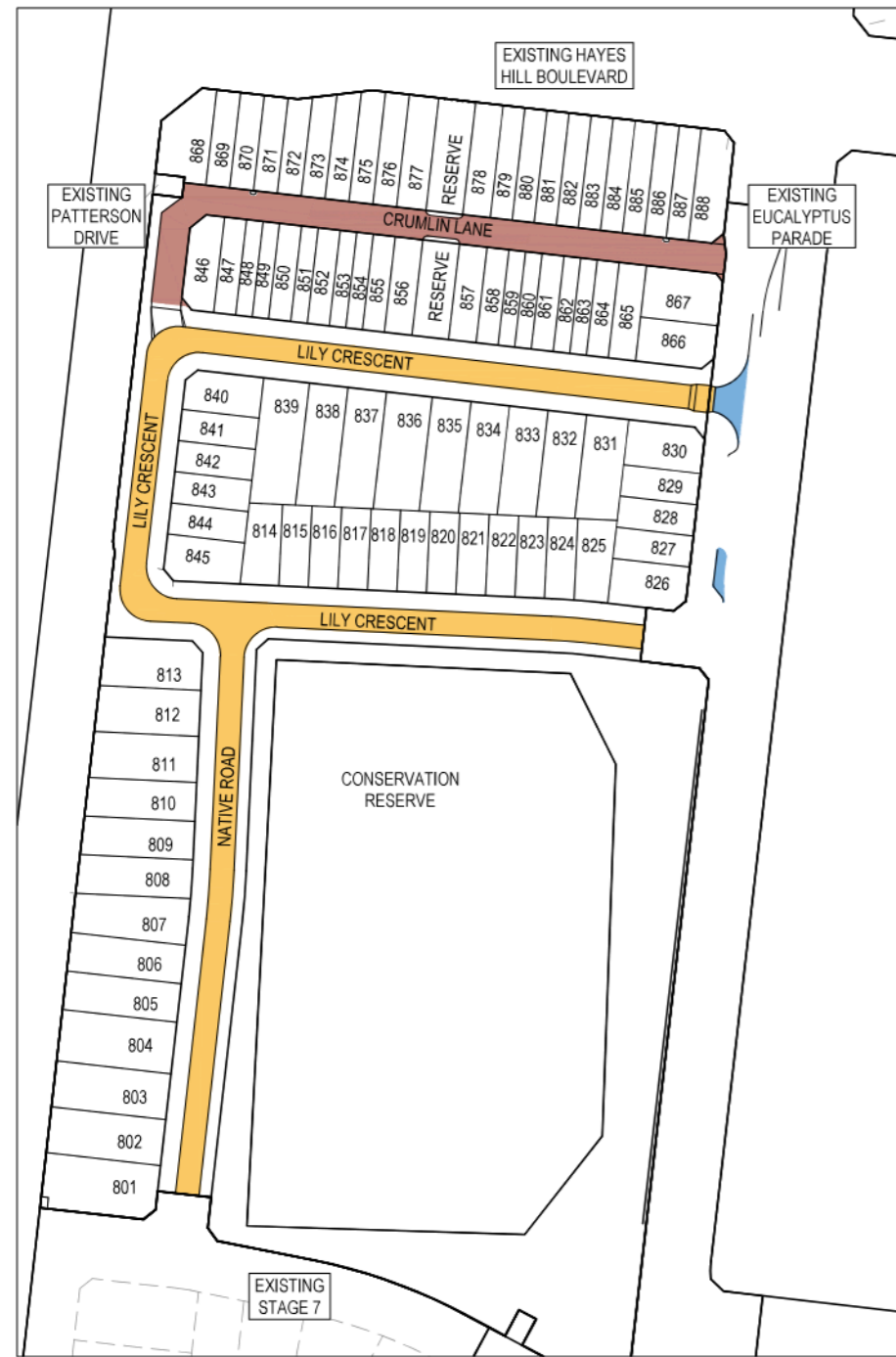
SCALE AS SHOWN AT 1


 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 8
Whittlesea City Council
Road and Drainage
Pit Schedule

MELWAYS REF 367 G11	PROJECT / DRAWING No. 1700E-008-351	SHEET No. 22 of 26	REVISION 0
-------------------------------	---	------------------------------	----------------------



ROAD PAVEMENT COMPOSITION - ACCESS STREET LEVEL 1
(NATIVE ROAD, DALKEY STREET, LILY LANE & BLANCHARDSTOWN STREET)

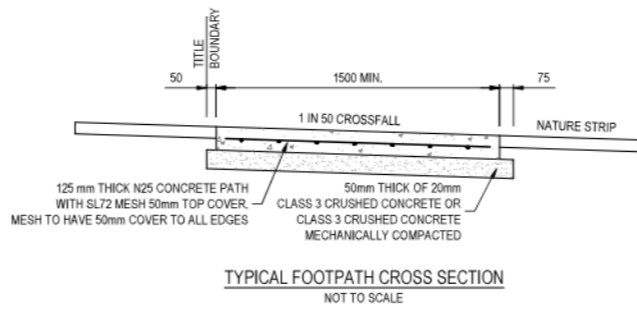
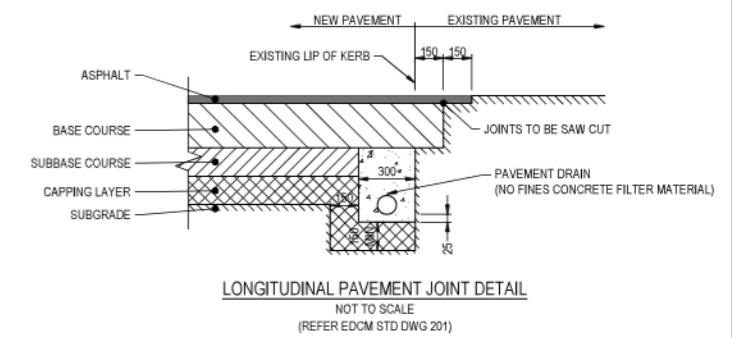
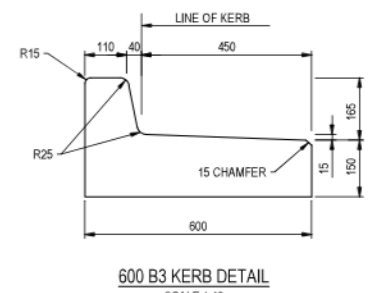
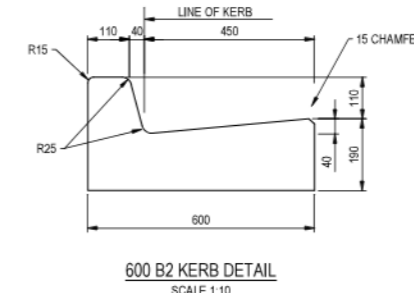
920mm DEPTH PAVEMENT COMPOSITION		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
ASPHALT WEARING COURSE	30	SIZE 10mm TYPE N (CLASS 320 BINDER) ASPHALT
ASPHALT BASE COURSE	30	SIZE 10mm TYPE N (CLASS 320 BINDER) ASPHALT
SAMI	10	SIZE 10 S18RF
BITUMINOUS PRIME	YES	CUT BACK BITUMEN PRIME (AMC0) OR APPROVED BITUMEN EMULSION PRIME (E.G K2 OR EMULPRIME OR APPROVED SIMILAR)
BASE	130	20mm CLASS 2 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY OF 98% MDD (MODIFIED PROTECTOR) AS1289.5.2.1
UPPER SUBBASE	130	CLASS 3 CRUSHED ROCK (OR HIGHER QUALITY MATERIAL) COMPACTED TO A MINIMUM DENSITY OF 98% OF MDD (MODIFIED PROTECTOR) AS1289.5.2.1
LOWER SUBBASE	200	CLASS 4 CRUSHED ROCK (OR HIGHER QUALITY MATERIAL) COMPACTED TO A MINIMUM DENSITY OF 98% OF MDD (MODIFIED PROTECTOR) AS1289.5.2.1
CAPPING	200	IMPORTED TYPE A FILL WITH CBR2=8% SWELLS<1.5% PERMEABILITY k<5x10⁻¹⁰ m/s OR LIME STABILISED SITE WON CLAY WHICH CONFORMS TO THE PARAMETERS ABOVE
CONSTRUCTION LAYER	200	IMPORTED TYPE A FILL WITH CBR2=8% SWELLS<1.5% PERMEABILITY k<5x10⁻¹⁰ m/s OR LIME STABILISED SITE WON CLAY WHICH CONFORMS TO THE PARAMETERS ABOVE
SUBGRADE	-	CBR 1.5% EXPANSIVE

LANEWAY COMPOSITION - EDCM503
(CRUMLIN LANE)

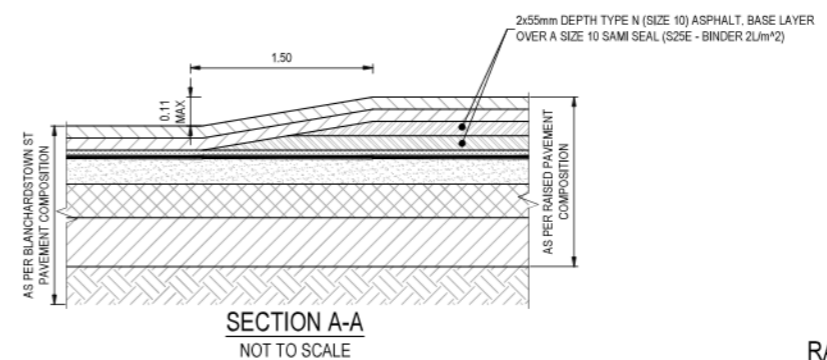
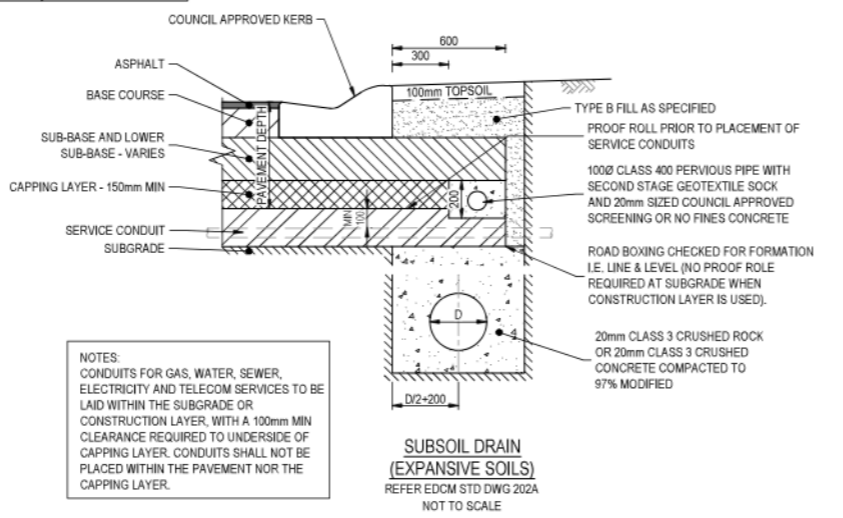
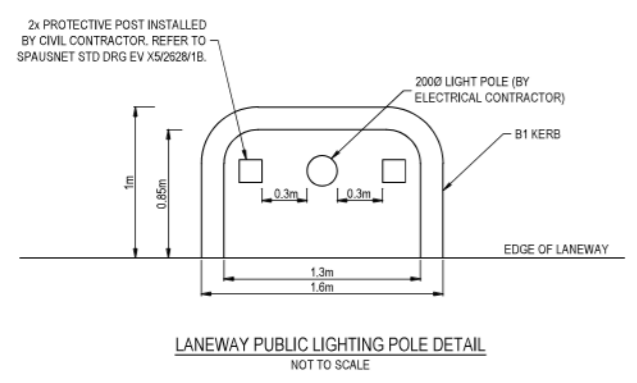
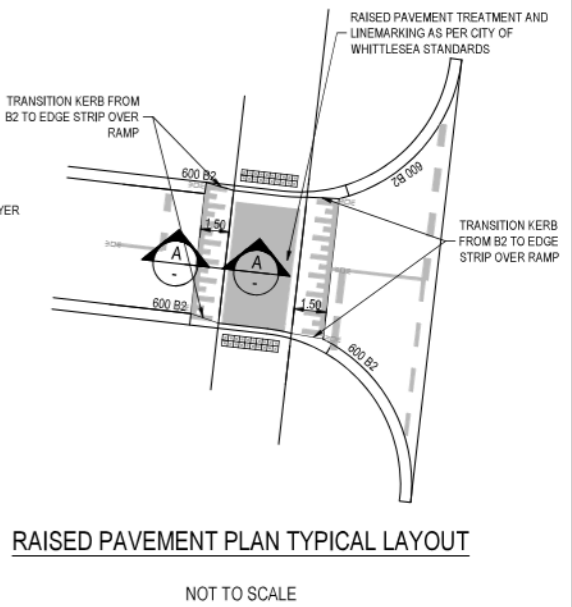
300mm DEPTH PAVEMENT COMPOSITION		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
CONCRETE	200	N32 CONCRETE WITH SL82 MESH TOP 50 COVER. MESH TO HAVE 50 COVER TO ALL EDGES
SUB BASE	100	CLASS 3 CRUSHED ROCK OR CLASS 3 CRUSHED CONCRETE MECHANICALLY COMPACTED

EUCALYPTUS PARADE PAVEMENT COMPOSITION

595mm DEPTH PAVEMENT COMPOSITION		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
WEARING COURSE	40	SIZE 14 TYPE N ASPHALT
INTERMEDIATE COURSE 1	40	SIZE 14 TYPE HP (CLASS A10E BINDER) ASPHALT
INTERMEDIATE COURSE 2	-	-
SAMI SEAL	10	SIZE 10 S18RF
PRIME	-	-
BASE COURSE	110	SIZE 20 CLASS 2 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY OF 98% MODIFIED AS1289.5.2.1
UPPER BASE COURSE	110	SIZE 20 CLASS CC3 CRUSHED CONCRETE, COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% (MODIFIED) AS1289.5.2.1
LOWER BASE	-	-
CAPPING LAYER	285	IMPORTED TYPE A FILL WITH CBR2=8% SWELLS<1.5% PERMEABILITY k<5x10⁻¹⁰ m/s OR LIME STABILISED SITE WON CLAY WHICH CONFORMS TO THE PARAMETERS ABOVE
SUBGRADE	-	C.B.R 1.5% , EXPANSIVE



CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. **PS932509M**
6/05/2026
DATE APPROVED



REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

PLAN OF SUB. NO. PS932509M
PERMIT REF. NO. 717121

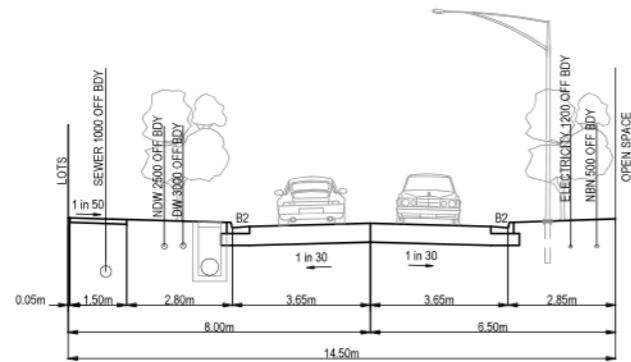
ISSUED FOR CONSTRUCTION

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

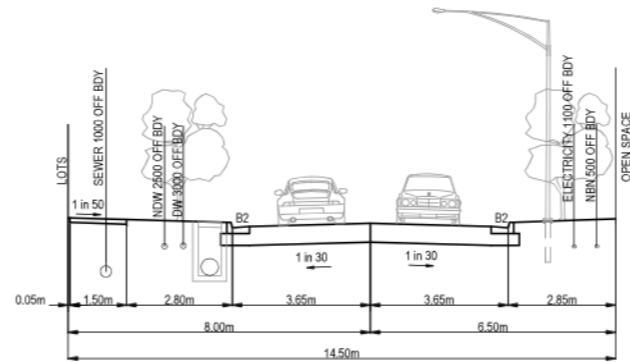
mirvac

Olivine Estate - Stage 8
Whittlesea City Council
Road and Drainage
Pavement Details

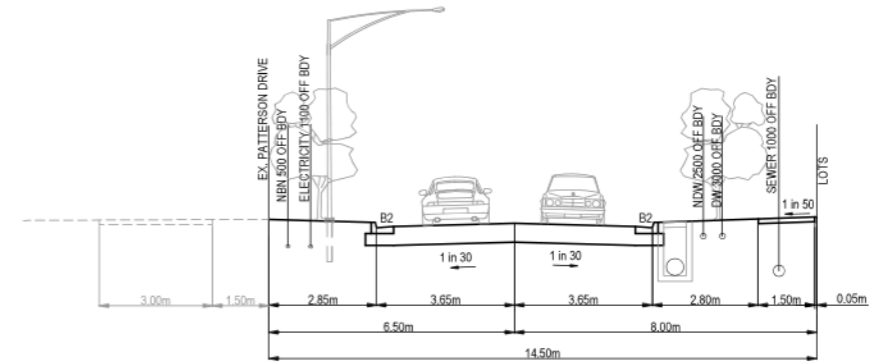
MELBAYS REF: 367 G11 PROJECT / DRAWING No: 1700E-008-411 SHEET No: 23 of 26 REVISION: 0



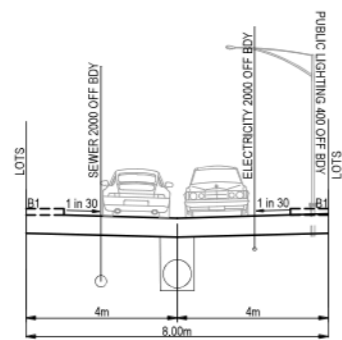
14.5m ACCESS STREET
NATIVE ROAD



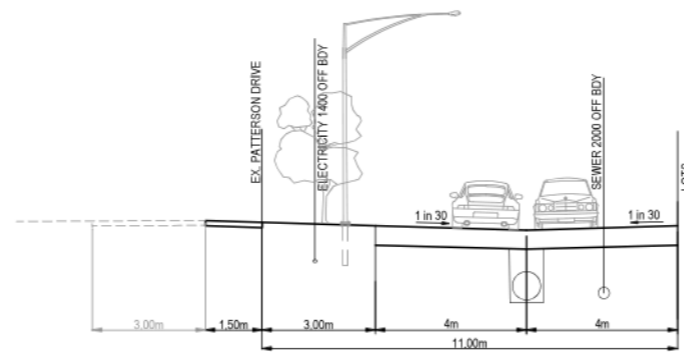
14.5m ACCESS STREET
LILY CRESCENT (LOTS 814 - 825)



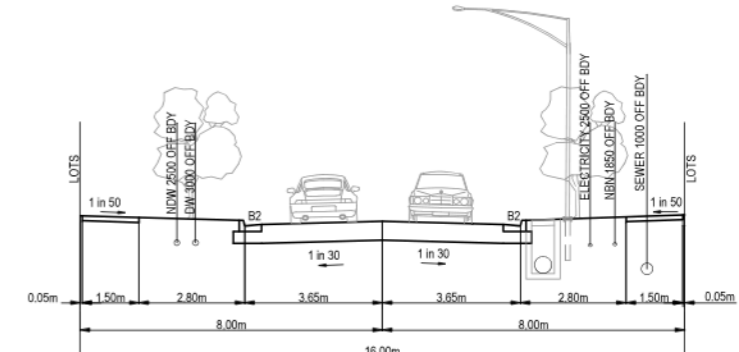
14.5m ACCESS STREET
LILY CRESCENT (LOTS 840 - 845)



8m ACCESS STREET
CRUMLIN LANE
(LOT 846 TO 865)



11m ACCESS STREET
CRUMLIN LANE
(ABUTTING PATTERSON DRIVE)



16m ACCESS STREET
LILY CRESCENT (LOTS 831 - 839)

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. **PS932509M**
[Signature]
DEVELOPMENT ENGINEER
6/05/2026
DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

Quality Management ISO 9001
Global-Mark.com.au®

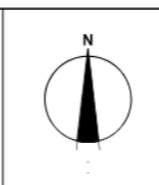
OH&S Management AS/NZS 1899
Global-Mark.com.au®

Environmental Management ISO 14001
Global-Mark.com.au®

PLAN OF SUB. NO.
PS932509M
PERMIT REF. NO.
717121

ISSUED FOR CONSTRUCTION

Scale 1:500
0 5 10 20
SCALE AS SHOWN AT A1



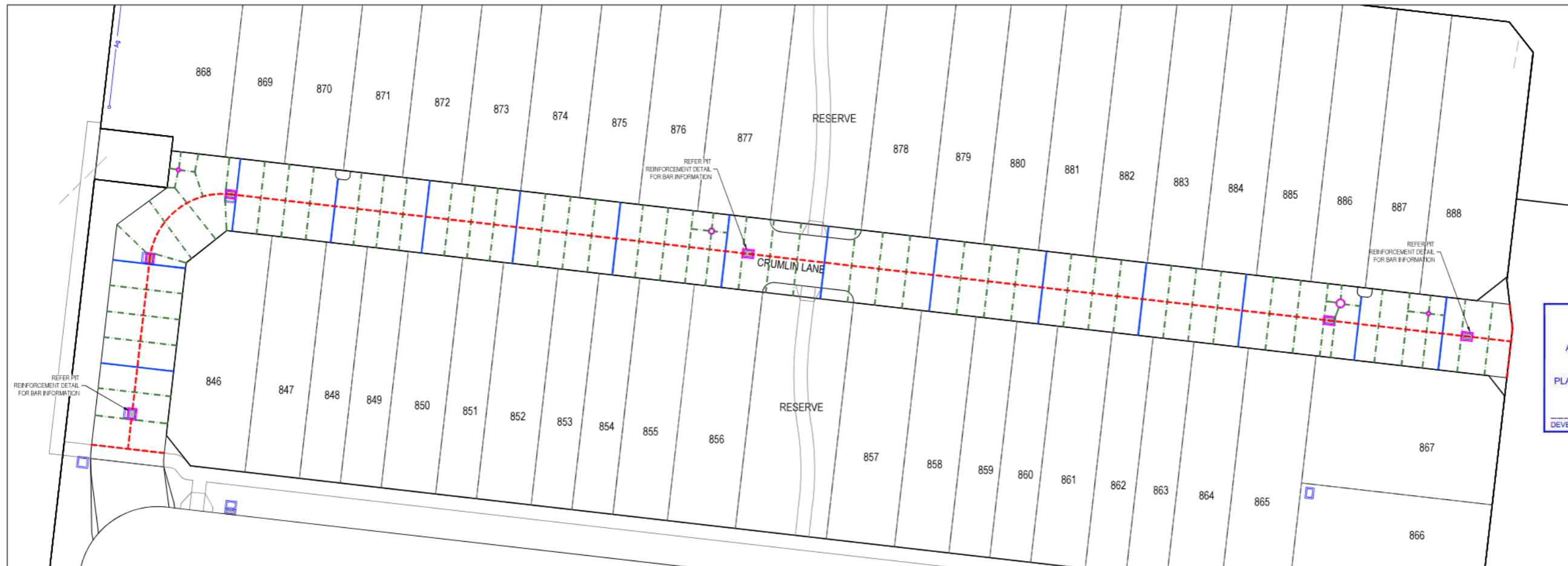
smec
an company
ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

mirvac

Olivine Estate - Stage 8
Whittlesea City Council
Road and Drainage
Typical Cross Sections

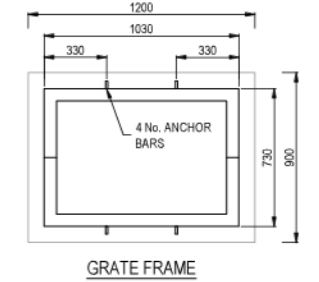
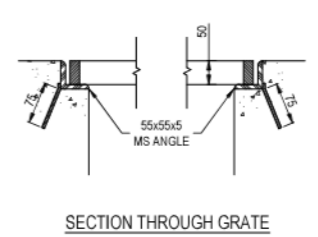
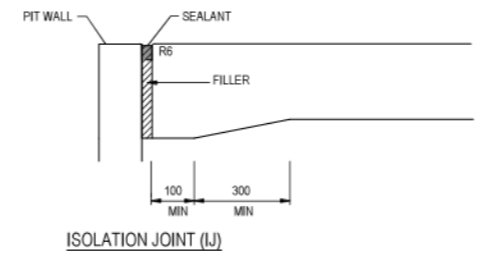
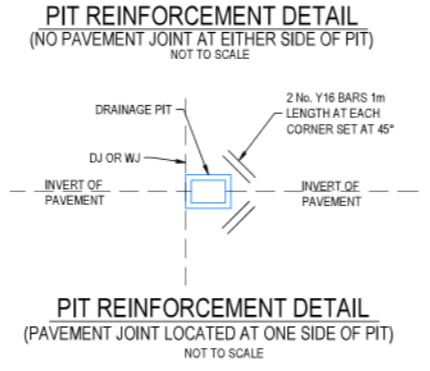
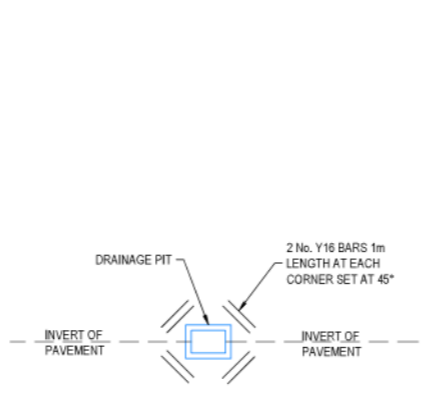
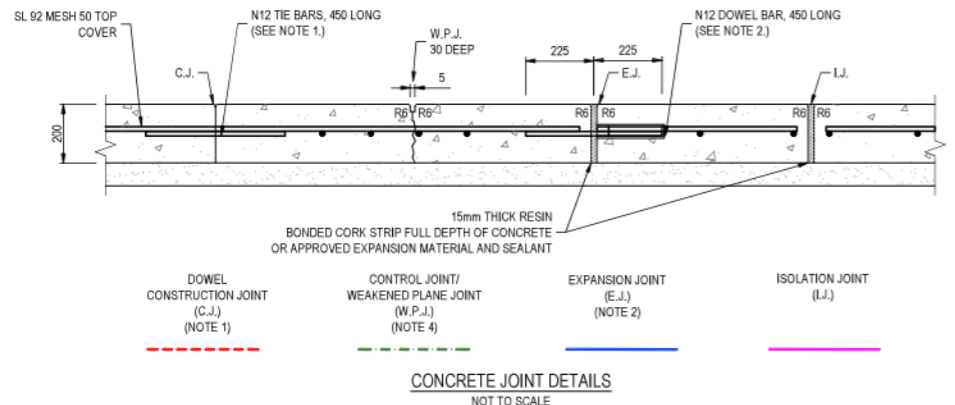
MELWAYS REF: 367 G11
PROJECT / DRAWING No: 1700E-008-412
SHEET No: 24 of 26
REVISION: 0

LEGEND	
	DOWEL CONSTRUCTION JOINT
	WEAKENED PLANE JOINT
	EXPANSION JOINT
	ISOLATION JOINT

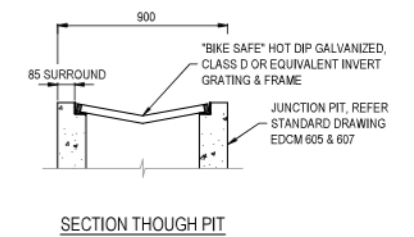
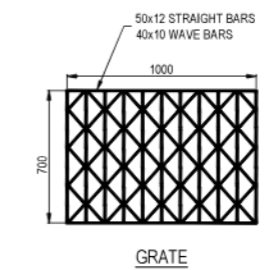


CITY OF WHITTLESEA
 ENGINEERING PLANS & SPECIFICATIONS
 APPROVED PURSUANT TO SECTION 15 OF THE
 SUBDIVISION ACT 1988
 PLAN OF SUBDIVISION No. **PS932509M**

 DEVELOPMENT ENGINEER 6/05/2026
DATE APPROVED



- NOTES:**
1. TIE BARS TO BE INSTALLED AT 400 MAXIMUM CENTRES COMMENCING 150 FROM EDGE.
 2. DOWEL BARS TO BE INSTALLED AT 400 CENTRES COMMENCING AT A MINIMUM OF 100 AND A MAXIMUM OF 200 FROM THE EDGE OF PATH. 16 DIAMETER PVC SLEEVE WITH END CAP OR CLOSED END TO BE FITTED TO ONE END OF THE BAR. DOWEL BARS TO BE SECURELY TIED TO LONGITUDINAL REINFORCING MESH.
 3. EXPANSION JOINTS (E.J.) LOCATED BOTH SIDE OF VEHICLE CROSSING AND AT MAXIMUM OF 12000 CENTRES.
 4. WEAKENED PLANE JOINTS LOCATED AT SPACINGS EQUAL TO THE WIDTH OF THE PATH AND MADE WITH A 'T' IRON OR CONCRETE SAW CUT.
 5. IN SHARED PATHS WEAKENED PLANE JOINTS MUST BE MADE BY CONCRETE SAW CUTTING.
 6. CONCRETE TO BE LIGHT BROOM FINISH WITH EDGE AND JOINTS NEATLY TOOLED AFTER THE BROOM IS APPLIED.
 7. ALL FINISHED SURFACES TO COMPLY WITH AS 4586 SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIAL.
 8. THE USE OF COLOURED CONCRETE MUST BE APPROVED BY COUNCIL. MINIMUM STRENGTH OF COLOURED CONCRETE TO BE 32 MPa.
 9. FORMWORK TIMBER TO BE MIN. 125mm DEEP.
 10. ALL DIMENSIONS IN MILLIMETRES.
 11. SHARED PATHS TO BE 2.5m IN WIDTH MINIMUM. REFER TO APPROVED CONSTRUCTION PLANS FOR ACTUAL WIDTH.
 - 12.



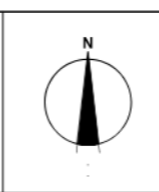
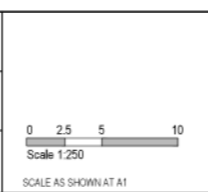
- NOTES:**
1. REFER TO EDMC STANDARD DRAWINGS 605, 606 & 607 FOR PIT DETAILS.
 2. GRATE FRAME TO BE "BIKE SAFE" TO AS3996-1992
- GRATED JUNCTION PIT DETAIL**
NOT TO SCALE

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
0	23.01.26	ISSUED FOR CONSTRUCTION	J.HICKS	K.KANG	T.MOTET	G.CORREIA

Quality Management ISO 9001
 Quality Management AS/NZS 4801
 Environmental Management ISO 14001
 Global-Mark.com.au®

PLAN OF SUB. NO.
PS932509M
 PERMIT REF. NO.
717121

ISSUED FOR CONSTRUCTION



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 8
 Whittlesea City Council
 Road and Drainage
 Concrete Jointing Plan & Details

MELBAYS REF: 367 G11 PROJECT / DRAWING No: 1700E-008-421 SHEET No: 25 of 26 REVISION: 0

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	<ul style="list-style-type: none"> - Contractor to ensure appropriate construction standards are adhered to - Safety measures are installed where required, such as shields - Eliminate where possible, 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 access 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	<ul style="list-style-type: none"> - Eliminate, where possible 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Sites to be investigated prior to any works occurring - Proper control measures to be undertaken. - Contaminated material to be documented and removed to the required procedures. - OHS issues in handling contaminants to be followed - proper construction technique and reporting to be carried out - Manage all relevant substances in keeping with the appropriate safety data sheets - Use all appropriate person protective equipment 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)	<ul style="list-style-type: none"> - All sites investigated prior to disruption of any material - Proper control measures to be taken - Site testing and reporting to occur to appropriate requirements - Create safe access ways for both vehicle and pedestrian traffic - Have an approved traffic management plan - 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 construction duration 	3	4	12	Yes	Contractor
Site Works	Construction	Traffic Management	Pedestrians and vehicles conflict and disruption due to the construction site	<ul style="list-style-type: none"> - 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 construction duration 	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	<ul style="list-style-type: none"> - Protected areas to be clearly identified, marked and fenced on site to ensure disturbance does not occur. - Consideration be provided to the location of infrastructure through the design and Masterplanning phases 	2	1	2	No	Contractor
Utility services	Construction	Disruption to Existing Waterways	Disruption to waterways, flow diversion, animals, contamination of water	<ul style="list-style-type: none"> - Investigate alternative options - Authority requirements to be followed - Downstream prevention measures to be installed to prevent contamination, flooding 	2	3	6	No	Contractor
Site Works	Construction	Existing Trees Vegetation	High value nature or protected conservation areas impacted	<ul style="list-style-type: none"> - Trees and vegetation to be appropriately identified with TPZ zones to be marked on site. - Requirements documented with in the arborist reports to 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	<ul style="list-style-type: none"> - Signage and safety protocols to be implemented to ensure safe working of the site 	1	2	2	No	Contractor
Road reserve	Construction	Site Security	Inappropriate access , damage to property or person	<ul style="list-style-type: none"> - Provide permanent or temporary exclusion fencing to the site, rail corridors, pump stations 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Design to ensure maintenance vehicles can maintain the site clear of live traffic. - Designers to ensure that the 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - limited batter slopes above RW 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	<ul style="list-style-type: none"> - 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 the appropriate standards 	1	4	4	No	Relevant Authority

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS932509M

DEVELOPMENT ENGINEER 6/05/2026
DATE APPROVED

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER	  	PLAN OF SUB. NO. PS932509M	PERMIT REF. NO. 717121	 an  company ABN 47 065 475 149 Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008 Ph 03 9514 1500		Olive Estate - Stage 8 Whittlesea City Council Road and Drainage Safety In Design	MELBAYS REF 367 G11	PROJECT / DRAWING No. 1700E-008-500	SHEET No. 26 of 26	REVISION 0
							ISSUED FOR CONSTRUCTION			SCALE AS SHOWN AT 1						