

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.









REFEREN

TITLE

AS CONSTRUCTED

DWG PATH: V:_Vault\Projects_Urban\1700E-Olivine\1700E-12\Dwgs\1700E-12-01.dwg PRINTED BY: BK15730 on 23/04/2021 at 09:47:21 AM

GLOBE PARADE	

		ROAD	LAYOUT TABLE					
			ROAD WIDTH (m)	1	KERB	B TYPE	VERG	
ROAD NAME		LIP to LIP	INV to INV	BACK to BACK	NTH/WEST	STH/EAST	NTH/WEST	
COMPASS CRESCENT (LOT1213 - LOT1230)	21.50	6.40	7.30	7.60	B2	B2	6.35	
COMPASS CRESCENT (ADJACENT OPEN SPACE)	15.20	6.40	7.30	7.60	B2	B2	4.70	
LONSDALE PARADE	15.00	6.40	7.30	7.60	B2	B2	4.35	
HARDWOOD GROVE	16.00	6.40	7.30	7.60	B2	B2	4.35	
SILVER STREET	16.00	6.40	7.30	7.60	B2	B2	4.35	
DAYBOOK TERRACE	16.00	6.40	7.30	7.60	B2	B2	4.35	
WILLOWMEAD BOULEVARD	21.50	6.40	7.30	7.60	B2	B2	6.35	
ORBIT LANE	8.00	8.00	-	-	-	-	-	
ATLAS WAY	4.50	-	-	-	-	-	-	

	NAME	
	E.Bates	
	M.Angay	
	K.Moore	
ED	A.Burrows	
WING REF.	1700E-12	
E No. 2		









- GENERAL NOTES (WHITTLESEA CITY COUNCIL)
 1. THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE VPA MANUAL AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER. 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, 31 AND THE MINES (TRENCHES) REGULATIONS 1982.
- NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF HIS INTENTION TO COMMENCE TRENCHING 3.2 OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
- ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS. THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT
- OF CONSTRUCTION. 5. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVENT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE
- DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT REDGUM TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED IN ACCORDANCE WITH COUNCIL'S PLANNING PERMIT. NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY EXISTING TREE WITHOUT
- WRITTEN APPROVAL FROM COUNCIL'S SUPERVISING OFFICER. 7. ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEADS, 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. 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. ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES TO BE STRIPPED OF TOPSOIL AND STOCKPILED PRIOR TO EARTHWORKS COMMENCING. THESE AREAS SHALL BE SURFACED WITH A 100mm MINIMUM TO 200mm MAXIMUM LAYER OF TOPSOIL AS SPECIFIED.
- 11. NO TOPSOIL TO BE REMOVED FROM SITE.
- 12. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE
- SUPERINTENDENT. 13. FILLING ON ALLOTMENTS AND UNDER ROAD PAVEMENTS TO HAVE LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-1996. INDIVIDUAL LOT CERTIFICATES ARE TO BE PROVIDED TO THE SUPERINTENDENT. 14. FILLING UNDER DRIVEWAYS AND FOOTPATH IS TO BE APPROVED BY THE SUPERINTENDENT AND CONSTRUCTED IN
- LAYERS 150mm DEPTH. COMPACTION ACHIEVING 98% AUSTRALIAN STANDARD DENSITY. 15. CUT AND FILL BATTERS ARE NOT TO EXCEED 1 in 6 UNLESS SHOWN OTHERWISE.
- 16. ALLOTMENTS TO BE GRADED TO ENSURE A MINIMUM GRADE OF 1 in 150.
- 17. ALL DRAINAGE PIPES UP TO AND INCLUDING 750mm IN DIAMETER SHALL BE RUBBER RING JOINTED. PIPES ABOVE THIS SIZE MUST BE FLUSH JOINTED WITH EXTERNAL SEALING BANDS. 18. ALL DRAINAGE TRENCHES UNDER ROAD PAVEMENTS, KERB & CHANNEL, PARKING BAYS, DRIVEWAYS, FOOTPATHS AND
- BEHIND KERBS & CHANNEL SHALL BE BACKFILLED WITH CRUSHED ROCK AS SPECIFIED. 19. ALL PITS GREATER THAN OR EQUAL TO 900mm DEPTH TO BE PROVIDED WITH STEP IRONS IN ACCORDANCE WITH
- SD1041 AND COUNCIL STANDARD DRAWING EDCM 609 20. PROPERTY INLETS AS PER WHITTLESEA CITY COUNCIL STANDARD DRAWING EDCM 701-704 AND ARE TO BE LOCATED
- 1.0m FROM LOW SIDE BOUNDARY UNLESS SHOWN OTHERWISE 21. ALL HOUSE DRAIN CONNECTIONS ARE TO BE LOCATED NO CLOSER THAN 7.0m FROM THE SIDE BOUNDARY OR FROM EASEMENT ALONG THE SIDE BOUNDARY UNLESS NOTED OTHERWISE AND CONNECTED DIRECTLY TO UNDERGROUND
- DRAIN OR PIT. HOUSE DRAIN LOCATION TO BE MARKED (50mm STAMPED IMPRESSION) ON THE TOP OF THE KERB 22. SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL AS PER STANDARD DRAWING EDCM
- 23. 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) AND C (COUNCIL COMMUNICATION) AS PER STANDARD DRAWING EDCM 303.
- ALL SERVICING TRENCHES UNDER ROADS, DRIVEWAYS, FOOTPATHS ETC. ARE TO BE BACKFILLED & COMPACTED WITH F.C.R. IN THE CASE OF TRENCHES UNDER ROADS WHERE BACKFILLING HAS NOT ACHIEVED THE SPECIFIED COMPACTION OR SHOWS EXCESSIVE MOVEMENT UNDER PROFFROLLING, THE BACKFILLING SHALL BE REMOVED AND REPLACED WITH 2% STABILISED COMPACTED F.C.R. ALL SERVICES ARE TO BE PLACED PRIOR TO THE CAPPING LAYER 25. NO TELSTRA PITS ARE TO BE LOCATED IN THE FOOTPATH.
- VEHICULAR CROSSINGS TO BE LOCATED CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES, VEHICLE CROSSINGS TO BE 1.5m FROM PROPERTY BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN. VEHICULAR CROSSINGS TO BE CONSTRUCTED AS PER WHITTLESEA CITY COUNCIL'S SPECIFICATIONS AND EDCM 501 TO 503.
- ALL PEDESTRIAN CROSSING THROUGH SPLITTER ISLANDS TO BE IN ACCORDANCE WITH SD606. 28. ALL STREET SIGNS TO BE IN ACCORDANCE WITH SD812. STREET SIGNS TO BE ATTACHED TO LIGHT POLES USING 'SINGLE DIRECTION COLLAR' OR '90° RIGHT ANGLE COLLAR' UNLESS SHOWN OTHERWISE.
- ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHOULD BE TO AS1742.2 AND AS1742.1 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.
- 30. THE CAPPING LAYER MUST BE DEMONSTRATED THROUGH TESTING THAT ITS PROPERTIES (CBR, PERMEABILITY, ETC.) SATISFY LIMITS AS OUTLINED IN THE TECHNICAL SPECIFICATION TABLE 20.3.5B WITH A MINIMUM MODULUS OF 100MPa.
- 31. UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED UP, GRADED, ALL RUBBISH REMOVED AND LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
- 32. ALL FOOTPATHS & SHARED PATHS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH EDCM 401.

		NOTES F	OR WORKS UNDER OVERHEAD ELECTRI	CAL POWERLIN	ES					
		1. MAINTEN/ OUT UND	ANCE AND REFUELLING OF VEHICLES AND EQUIPMENT N ER POWERLINES	IUST NOT BE CARRIEI	C					
		2. THE STOP UNDER P	RAGE OR HANDLING OF FLAMMABLE LIQUIDS OR GASSES OWERLINES	SIS NOT PERMITTED						
		3. THE PAR	KING OF LARGE VEHICLES OR CARAVANS, SITE HUTS OR ED UNDER POWERLINES	SIMILIAR IS NOT						
VERGE W	VIDTH (m)	4. STOCKPII	LING OF EXCAVATED MATERIAL IS NOT PERMITTED UNDE	R POWERLINES						
/WEST	STH/EAST	5. VEHICLES	SAND EQUIPMENT EXCEEDING 3 METRES MAXIMUM OPE	RATING HEIGHT ARE						
6.35	7.85	NORMALL HEIGHT L	LY NOT PERMITTED UNDER AUSNET'S POWERLINES. A HIV IMIT IS SUBJECT TO SUFFICIENT CLEARANCE TO THE CO	GHER OPERATING						
1.70	3.20	WRITTEN	APPROVAL							
1.35	3.35	6. SP AUSNE	ET'S LINES CONTRACT SUPERVISOR MUST BE NOTIFIED /	AT LEAST 10 WORKING	G					
1.35	4.35	DAYS PRIOR TO THE WORKS COMMENCING SO THAT APPROPRIATE PERMITS CAN								
1.35	4.35	AT THIS T	ARRANGED. ADDITIONAL SAFETY PRECAUTIONS DEEMED NECESSARY WILL BE ADVISED AT THIS TIME. ALL PERSONS COMMENCING WORK ON THE SITE MUST BE MADE AWARE OF							
1.35	4.35	PERMIT C	CONDITIONS AND SAFETY PRECAUTIONS							
6.35	7.85	7. ALL WOR	K IN THE VICINITY MUST BE IN ACCORDANCE WITH THE IN	NDUSTRIES NO GO ZO	ONE					
-	-	WORKING	G IN THE AREA IN THE VICINITY OF THE OVERHEAD LINES	WORK WITHIN THESE	Ξ					
-	-	GUIDELIN	IES, INCLUDING THE PROVISION OF A SPOTTER AS REQU	IRED.						
			Olivine Estate - Stage 12	2						
			Whittlesea City Council	_						
			Pood and Drainage							
			Cover Plan							
1				SHEET No.						
		O IVIZ								



DWG PATH: V:_Vault\Projects_Urban\1700E-Olivine\1700E-12\Dwgs\1700E-12-02.dwg PRINTED BY: BK15730 on 23/04/2021 at 09:49:34 AM

	NAME		Ν		
	E.Bates				
	M.Angay				
	K.Moore			Member of the Surbana Jurong Group	
D	A.Burrows	0 5 10 20		(C) ABN 47 065 475 149	
VING REF.	1700E-12	Scale 1:500		Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008	
E No. 2		SCALE AS SHOWN AT A1		Ph 03 9514 1500	
	-				•



	NAME		N		
	E.Bates			SMEC	
	M.Angay				
	K.Moore			Member of the Surbana Jurong Group	
D	A.Burrows	0 5 10 20		Collins Square Tower 4 Level 20, 727 Collins St	mich
/ING REF.	1700E-12	Scale 1:500		Melbourne, VIC 3008	
No. 2		SCALE AS SHOWN AT A1		Ph 03 9514 1500	



	NAME		Ν		
R	E.Bates				
R	M.Angay				
)	K.Moore			Member of the Surbana Jurong Group	
SED	A.Burrows	0 5 10 20		C) ABN 47 065 475 149	
AWING REF.	1700E-12	Scale 1:500		Melbourne, VIC 3008	
ICE No. 2		SCALE AS SHOWN AT A1		Ph 03 9514 1500	



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	NAME		Ν		
	E.Bates				
	M.Angay				
	K.Moore			Member of the Surbana Jurong Group	
)	A.Burrows	<u>0 5 10 2</u> 0		Colline Square Tower 4 Level 20, 727 Colline St	
ING REF.	1700E-12	Scale 1:500		Melbourne, VIC 3008	
No. 2		SCALE AS SHOWN AT A1		Ph 03 9514 1500	

	& PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
H	HOUSE DRAIN
— E ——	ELECTRICITY (U.GROUND)
-0/H	ELECTRICITY (O.HEAD)
— G —— — T ——	GAS
— 0 ——	OPTIC FIBRE
— w ——	WATER
— RW ——	
-GW)	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN EXISTING SEWER & MAINTENANCE
— — — — H —Ex E ——	EXISTING HOUSE DRAIN EXISTING ELECTRICITY (UNDER GROUND)
0/H E	EXISTING ELECTRICITY OVERHEAD
—Ex G ——	EXISTING GAS
-Ex T	
-Ex W	EXISTING WATER
Ex RW	EXISTING RECYCLED WATER
Ex.Ag —	EXISTING AG. DRAIN
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
Fut D -	FUTURE STURMWATER DRAIN
> >	FUTURE SWALE DRAIN
f ut s ——	FUTURE SEWER & MAINTENANCE
— — — —H	FUTURE HOUSE DRAIN
-Fut E	FUTURE ELECTRICITY (UNDER GROUND)
⊔†0∕H E —	FUTURE ELECTRICITY OVERHEAD
-Fut G	FUTURE GAS
-Fut 0	FUTURE OPTIC FIBRE
-Fut W ——	FUTURE WATER
-ut RW —	FUTURE RECYCLED WATER
-ut Ag —	
	FUTURE TACTILE PAVERS
	ZERO LOT LINES
141.34	EXISTING SURFACE LEVEL
S140.35	
CH270.00	CHAINAGE
W159.60	TOP OF RETAINING WALL LEVEL
W159.00	BOTTOM OF RETAINING WALL LEVEL
<u> </u>	EXISTING RETAINING WALL
	FUTURE RETAINING WALL
	STRUCTURAL FILL > 200mm DEEP
	EXISTING STRUCTURAL
	FILL > 200mm DEEP
	CUT > 200mm DEEP
\rightarrow	
	GRADED IN DIRECTION OF FALL
木	
•	EDGE STRIP, SUBSUIL DRAIN, "NO ROAD" SIGN & BARRIER
	EXISTING TREE TO BE RETAINED
	EXISTING TREE TO BE REMOVED
	PERMANENT SURVEY MARK
<u>ــــــــــــــــــــــــــــــــــــ</u>	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

Olivine Estate - Stage 12 Whittlesea City Council Road and Drainage Earthworks Plan

SHEET NO. REVISION 2



DWG PATH: V:_Vault\Projects_Urban\1700E-Olivine\1700E-12\Dwgs\1700E-12-06.dwg PRINTED BY: BK15730 on 23/04/2021 at 09:54:26 AM



LIP LINE A





- 42

68

46

5.05









NOTES

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

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

LEGEND - INTE ALL PROPOSED, FUTURI	ERSECTION DETAIL PLAN E & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY
□= = = =	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
•S	SEWER & MAINTENANCE STRUCTURES
— — — — — H	HOUSE DRAIN
GWR	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
⊖—Ех S——	EXISTING SEWER & MAINTENANCE STRUCTURES
GWR	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
□Fut D-●	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
⊖-FUT S	FUTURE SEWER & MAINTENANCE STRUCTURES
— — — — — H	FUTURE HOUSE DRAIN
GWR	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
•	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	PERMANENT SURVEY MARK
*	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH



LIP LINE D				
		Olivine Estate - Stage 12 Whittlesea City Council Road and Drainage Intersection Detail Plan - Lip Profiles A - D	2	
IDL	MELWAYS REF	PROJECT / DRAWING No. 1700E-12-06	SHEET No. 06 of 27	REVISION



DWG PATH: V:_Vault\Projects_Urban\1700E-Olivine\1700E-12\Dwgs\1700E-12-07.dwg PRINTED BY: BK15730 on 23/04/2021 at 09:55:18 AM





				F	-3)(F4		
-8.60m	HC			>	CH1 RL2	14.71 46.7	2	
-0	.5%			>			0.5%	
		L						
-67.042	746 7A-	246.74-	716 70	240.12	240.12	246.73		
247.35	217 22	247.32	10 210	10.142	247.31	247.32		
5843908.29		5843965.78	5012001 2C	0043904.30	5843904.19	5843963.96		
323421.92		323424.22	00 201000	323421.32 222420.22	323428.30	323430.29		
¢8.0		10.28	74 C7	13.71	14.71	16.71		

LEGEND - INTE	ERSECTION DETAIL PLAN				
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY					
	STORMWATER DRAIN, PIT				
	& PROPERTY INLET				
	MAIN DRAIN				
•S•	SEWER & MAINTENANCE STRUCTURES				
H	HOUSE DRAIN				
GWR	SERVICE CONDUITS				
	TACTILE PAVERS				
	EXISTING STORMWATER DRAIN				
$\Box = = = = =$	EXISTING MAIN DRAIN				
⊖—ех s—	EXISTING SEWER & MAINTENANCE STRUCTURES				
GWR	EXISTING SERVICE CONDUITS				
	EXISTING TACTILE PAVERS				
□—Fut D-●-	FUTURE STORMWATER DRAIN				
	FUTURE MAIN DRAIN				
⊖-FUT S	FUTURE SEWER & MAINTENANCE STRUCTURES				
— — — — — H	FUTURE HOUSE DRAIN				
	FUTURE SERVICE CONDUITS				
	FUTURE TACTILE PAVERS				
	EXISTING RETAINING WALL				
	RETAINING WALL				
	FUTURE RETAINING WALL				
•	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER				
	PERMANENT SURVEY MARK				
٨	TEMPORARY BENCH MARK				
	PROPOSED DRIVEWAY & FOOTPATH				



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LIP LINE I



TITLE NAME SMEC DRAFTER E.Bates DESIGNER 0 2 4 M.Angay 0 0.2 0.4 Scale H1:200, V1:20 Member of the Surbana Jurong Group CHECKED 0.8 K.Moore C ABN 47 065 475 149 AUTHORISED 0 2 4 A.Burrows Collins Square, Tower 4, Level 20, 727 Collins St Scale 1:200 Melbourne, VIC 3008 Ph 03 9514 1500 SMEC DRAWING REF. 1700E-12 SCALE AS SHOWN AT A1 Global-Mark.com.au[®] Global-Mark.com.au[®] Global-Mark.com.au[®] REFERENCE No. 2



ALL PROPOSED, FUTURI	ERSECTION DETAIL PLAN E & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY
	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
•S	SEWER & MAINTENANCE STRUCTURES
— — — — — H	HOUSE DRAIN
GWR	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
⊖—Ех S——	EXISTING SEWER & MAINTENANCE STRUCTURES
GWR	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
Fut D-	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
⊖-FUT S	FUTURE SEWER & MAINTENANCE STRUCTURES
— — — — — H	FUTURE HOUSE DRAIN
GWR	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
•	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	PERMANENT SURVEY MARK
~	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH

IO	ES	

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.









AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

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AS CONSTRUCTED

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COMPASS CRESCENT LONGITUDINAL SECTION

WILLOWMEAD BOULEVARD LONGITUDINAL SECTION

	NAME	
	E.Bates	
R	M.Angay	
	K.Moore	
ED	A.Burrows	0 5 10
WING REF.	1700E-12	0 0.5 1
CE No. 2		Scale H1:500, V1:50 SCALE AS SHOWN AT A1











changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

AS CONSTRUCTED

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standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.





TITLE DRAFTER DESIGNER CHECKED AUTHORIS SMEC DRA

DAYBOOK TERRACE LONGITUDINAL SECTION

SILVER STREET LONGITUDINAL SECTION

	NAME	
	E.Bates	
	M.Angay	
	K.Moore	
ED	A.Burrows	0 5 10
WING REF.	1700E-12	0 0.5 1
CE No. 2		Scale H 1500, V150 SCALE AS SHOWN AT A1









HARDWOOD GROVE LONGITUDINAL SECTION

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AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the

AS CONSTRUCTED

DWG PATH: V:_Vault\Projects_Urban\1700E-Olivine\1700E-12\Dwgs\1700E-12-11.dwg PRINTED BY: BK15730 on 23/04/2021 at 09:58:07 AM

LONSDALE PARADE LONGITUDINAL SECTION

69 % VEI HO DA DE EXI CH

ORBIT LANE LONGITUDINAL SECTION

CH 45.96

RL 246.78

ITLE	NAME			
DRAFTER	E.Bates			
DESIGNER	M.Angay			
HECKED	K.Moore			
UTHORISED	A.Burrows	0 5 10	20	
MEC DRAWING REF.	1700E-12	0 0.5 1	2	
REFERENCE No. 2		Scale HT:500, VT:50 SCALE AS SHOWN AT A1		



	CH 6.45 ELV. 246.09	CH 7.95 ELV. 246.12 72 H3 72 H3	CH 10.66 ELV. 246.04 ELV. 246.04					CH 41.69 ELV. 246.82	
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RIZONTAL GEOMETRY									
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KISTING SURFACE		246.53 246.55 246.55	246.56 246.57 246.59 246.63 246.63	246.67	246.71	246.74	246.77 246.78	246.80 246.82 246.82	246.89 246.89
HAINAGE	0.00	6.45 7.95 8.00	9.16 10.66 12.16 16.50	20.00	23.00	29.50	34.19 36.00	40.00 41.69 42.50	49.00 49.19

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All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information in supplied by this office is so information in appropriate usage of these plans. Materia Materia <i>MI</i> = the provided by survey. All information shown on these plans are design and have not been verified by survey. All information shown on these plans should be verified ite. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans. All setting out should be carried out in accordance with MPA/Council's standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information in supplied by this office is for information in supplied by this office is for information in supplied by this office is for information. IIILE NAME <i>W</i> = 0 - 1 - 2 <i>W</i> = 0 - 1 - 2 <i>W</i> = 0 - 1 - 2 <i>U</i> = 0 - 1 - 2	DATUM244.0 DESIGN SURFACE EXISTING SURFACE OFFSET	245.16 245.47 BL Control 100 245.11 245.45 Control 100 245.14 Control 100 245.14 Control 100 Control 1	245.18 245.37	CH 494.78 0 1 in 30 98:542 000 CH 484.65 0 1 in 30 CH 484.65 0 1 in 30 0 1 in 30	245.23 245.26 3.20 245.17 245.24 3.20 245.17 245.24 3.32 245.35 3.380 245.18 245.35 3.3	245.25 245.19 245.43 RBL 07	1 in 200	
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15.2m

3.2m

0.6m

3.05m

3.2m



1.5m 0.05m

PATH

1 in 50

OPEN SPACE	

-









OFFSET

OFFSET



1.5m 0.05m 4.85m 0.6m 3.2m PATH _ _ _ _ _ _ _ . 1 in 50 1 in 40 1 in 30 DATUM245.0 246.42 246.42 246.42 27 16 33 DESIGN SURFACE 246. 246. 247.12 247.12 247.12 .04 .03 9 EXISTING SURFACE 247. 247. -10.50 -10.20 -10.15 -3.80 -3.20 65 OFFSET







1 in 50 1 in 14 5 _____ 1 in 30 DATUM244.0 245.69 -245.69 -245.69 -245.45 -245.34 -99 DESIGN SURFACE 245 245.54 245.54 245.54 245.54 245.54 245.54 54 EXISTING SURFACE 245 -8.65 -8.35 -8.30 -3.80 -3.20 -6.80





CH 540.10

1 in 30	- $ 1 in 40 -$	
		KBL KBL
245.45 -	245.34 - 245.45 -	245.53 - 245.60 -
245.55	245.57 245.58	245.60 245.60
0.00	3.20 3.80	6.85 7.30

CH 552.11

		RB
245.63 -	245.52 - 245.63 -	245.71 - 245.73 -
245.73	245.73 245.73	245.73 245.73
00.0	3.20	00 0.00 0.00

____ <u>1_in_40__</u>

TP CH 560.67

		B
245.76-	245.65 - 245.76 -	245.84 - 245.83 -
245.92	245.86 245.85	245.83 245.83
0.00	3.20 3.80	6.97

TP CH 583.44

1 in 30	1 in 26.5 평	1 in 6	
246.07 - 245.96 - 246.07 -	246.19 -	246.54 -	
246.73 246.67 246.66	246.60	246.54	
0.00 3.20	6.94	9.03	

TP CH 602.62

21.7m					
	3.2m	0.6m B2	<u> </u>	3m SHARED PATH	0.05m
			1 in 20	 1 in 50	+
	1 in 30		1 11 12		
246.26 -		246.16 - 246.27 -		246.50 -	246.56- 246.56- 246.56- 246.56-
247.00		246.96 246.95		246.89	246.84 246.84 246.84
0.00		3.20 3.80		8.45	111.50



OFFSET

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

AS CONSTRUCTED



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8

CH 605.07

All setting out should be carried out in accordance with MPA/Council's



TITLE DRAFTER DESIGNER CHECKED AUTHORISED SMEC DRAWIN

DWG PATH: V:_Vault\Projects_Urban\1700E-Olivine\1700E-12\Dwgs\1700E-12-13.dwg PRINTED BY: BK15730 on 23/04/2021 at 09:59:25 AM

q

	NAME				
	E.Bates				
	M.Angay				
	K.Moore				
	A.Burrows	0	1	2	4
IG REF.	1700E-12	0	0.5	1	2
lo. 2		SCAL	E AS SHO	DU, VT.50 DWN AT A1	





	 <u>1 in 8.3</u>	1 in 50		1 in 20			1 in 30	1 in 30		1 in 20	<u>1 in 50</u> <u>1in 6</u>		
DATUM245.0													
DESIGN SURFACE	247.15	246.97 246.97 246.97	246.94		246.71	246.60	246.70	246.60	246.71	246.94	247.00 247.00 247.00	247.22	
EXISTING SURFACE	247.37	247.35 247.35 247.35	247.33		247.27	247.26	247.22	247.19	247.19	247.14	247.11 247.11 247.11	247.09	
OFFSET	-11.80	-10.30 -10.00 -9.95	-8.45		-3.80	-3.20	0.00	3.20	3.80	8.45	11.45 11.50 11.80	13.10	



	1 in 50	
		B
27 310	11.042	246.83 246.83 248 248 24 24 24 33
20 240	241.01	247.04
0 15	0 •	11.45

773

246. 246.

9696

246.9 246.9 246.9

11.45 11.50 11.80

29,29,29

246. 246. 246.

86 86 86

246.8 246.8 246.8

11.45 11.50 11.80

1 in 50

1 in 50

45

2

5

9292

246.9 246.9 246.9

247.10 247.10 247.10

11.45 11.50 11.80 13.10

3m

1 in 50

<u></u>

45

		<i>in 6</i> 1 in 5			·		<u>1 in 50</u>	
		 B	11120	1 in 30	1 in 30			
DATUM246.0			L					
DESIGN SURFACE	247.37	247.14 247.14 247.14	247.11	246.88 246.77	246.87	246.77 246.88	247.11	247.17 247.17 247.17
EXISTING SURFACE	247.46	247.44 247.43 247.43	247.41	247.34 247.33	247.29	247.24 247.23	247.17	247.13 247.12 247.12 247.12
OFFSET	-11.70	-10.30 -10.00 -9.95	-8.45	-3.80 -3.20	0.00	3.20 3.80	8.45	11.50 11.50 11.80







1.5m

21.5	ōm				→
	3.2m	0.6m	4.65m	3m	0.05m
		B2		1 in 50	
	1 in 30		— <u> </u>		
247.02 -		246.92 - 247.03 -		247.22	247.28 247.28 247.28
247.28		247.24 247.24		247.18	247.15 247.15 247.15
0.00		3.20 3.80		8.45	111.50 11.50 11.80

CH 715.82

		20 <u>1 in 5</u>	0	
1	in 30		B	
246.94 -	246.84 - 246.95 -	247.18 -	247.24 - 247.24 - 247.24 -	
247.31	247.27 247.26	247.19	247.15 247.15 247.14	
0.00	3.20	8.45	11.45 11.50 11.80	

CH 699.82

CH 685.82

	26 <u>1 in 50</u> ₩) <u>1 in 20</u>		1 in 30	1 in 30		1 in 20	<u>1 in 50</u>	
247.33 -	247.10 247.10 247.10	247.07	246.84 -	246.73	246.83 -	246.73 - 246.84 -		247.07 -	247.13- 247.13- 247.17- 247.17- 247.17-
247.43	247.42 247.41 247.41	247.39	247.33	247.32	241.21	247.23 247.22		247.16	247.12 247.11 247.11 247.11
11.70	10.30 10.00 -9.95	-8.45	-3.80	-3.20	00.0	3.20 3.80		8.45	111.45

CH 677.62

TP CH 652.02

	Olivine Estate - Stage 12										
	Whittlesea City Council Road and Drainage										
		Cross Sections - Compass Cro	escent								
		CH605.07 to 715.82									
		PROJECT / DRAWING No.	SHEET No.	REVISION							
		1/UUE-12-13	130127								

X X	\times	\times	X	
$I \times X$	$\langle \times \rangle$	$(\times$		
\sim	X	X	7	6
\sim	\sim	\searrow	\mathbf{x}	,
$(\times \times$	\sim	(>		
KX.	X.	X,	X	
$ \land \land$	<u> </u>			

FILLING UNDER FOOTPATHS MUST BE TYPE A SELECTED MATERIAL IN ACCORDANCE WITH VICROADS STANDARD SPECIFICATION 204.



	21.5m												
		0.0	5m	3m	4.65m	0.6m	3.2m	3.2m	0.6m	4.65m	1.5m	0.05m	
			S	HARED PATH		B2			B2		PATH		
	-	1 ir	8	1 in 50	1 in 00						1 in 50	<u> </u>	
					<u></u>		1 in 30	1 in 30		1 in 20			
			LBL									KBL	
DATUM244.0													
DESIGN SURFACE		5.05	5.21 - 5.21 - 5.21 -	5.15-		4.91-	1 0 L	- ?: t	4.80		5.15-	5.18 5.23	
		5 24	666 242 2424	8 24		1 24	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	+ 	8 24		2	33333 2424 2425	
EXISTING SURFACE		245.0	245.0 245.0 245.0	245.0		245.1 245.1	045.1 2		245.1 245.1		245.2	245.2 245.2 245.2 245.2	
OFERET		3.07	1.50	3.45		3.80		2	3.20		3.45	9.95 0.00 0.63 0.63	
OFFGET		<u>.</u>	$\overline{\overline{1}}$	Ψ									
							CH	46.41					
		1 :											
			18.3	1 in 50	1 in 20					1 in 20	1 in	50	
			- 4	XXXXXX			1 in 30	1 in 30	0				
			LBL									RBL	

				1 in 30) 1 ii			
DATUM244.0 DESIGN SURFACE	245.47	245.27 245.27 245.27	245.21	244.97	244.97	244.97	245.24	
EXISTING SURFACE	245.10	245.11 245.11 245.12	245.14	245.17 245.17	245.18	245.19 245.19	245.20 245.21 245.21 245.21	
OFFSET	-13.50	-11.80 -11.50 -11.45	-8.45	-3.80 -3.20	0.00	3.20	8.45 9.95 10.30	

	 <u>1 in 8</u>	.3 <u>1 in 50</u>	× × ×	1 in_20	7	1 in 30	1 in 30			<u> </u>	<u>1 in 50</u>		
DATUM244.0	.46	 8888			66.	88	66	88	66	3	67	888	
DESIGN SURFACE	245.	245 245 245	245		244	244	244	244	244	245	0 + 4	245 245	
EXISTING SURFACE	245.13	245.14 245.14 245.14	245.16		245.17	245.17	245.18	245.19	245.19	245.20	243.20	245.20 245.20 245.20	
OFFSET	-13.23	-11.80 -11.50 -11.45	-8.45		-3.80	-3.20	0.00	3.20	3.80	۲۲ ۲۳	5 7	9.95 10.00 10.30	

ΑΤΙ ΙΜ244 በ		<u>1 in 50</u> <u>1 in 20</u>		<u>† in 36</u>
ESIGN SURFACE	245.33 245.33 245.31	245.25 +	245.09 - 244.98 -	
XISTING SURFACE	245.14 245.14 245.14 245.14	245.15	245.16 245.16	
FFSET	-10.47 -10.27 -9.92	-6.92	-3.80 -3.20	

	NAME			
	E.Bates			
	M.Angay			
	K.Moore			
D	A.Burrows	0	1	
VING REF.	1700E-12	0	0.5	
E No. 2		SCA SCA	LE AS SHO	JU, V DWN







CROSS SECTIONS - WILLOWMEAD BOULEVARD

1 in 50 1 in 20 _____ 245.43 -245.43 -245.43 -86 09 244 245 245.26 245.26 245.26 18 19 245. 245. 11.55 11.60 11.90 3.20 3.80 TP CH 10.64

TP CH 30.09

134.41



		- 1.5m			16m			1 5		
		0.05m FOOT PATH	2.65n	n 0.6m B2	3.2m	3.2m 0.	6m 2.65m 32	FOC)T - 0.05 H	<u>m</u>
				_		+				
		1 in 6 1 in 50) <u>1 in 2</u>	0	1 in 30	1 in 30	1 in 20	1 in	50	1 in 6
		В							RBL	
		37	34	21		10	21	34	37	8
	.83 246.	1.85 246. 1.85 246. 1.86 246.	.87 246.	.91 246. .91 246.	.97 246.	.04 246.	.05 246.	.12 246.	.15 246. .15 246. .16 246.	.24
	0.00	8.30 246 8.00 246 7.95 246	6.45 246	3.80 246	0.00	3.20 247	3.80 247	6.45	7.95 247 8.00 247 8.30 247	2.00 247
				• •	TP 75.02					-
									. <u> </u>	
	1 in 6	1 in 50) 1 in 2	0	4 := 20	1 in 20	1 in 20	1 in	50	1 in 6
					1 10 30	1 11 30			<u>ABL</u>	
				4	2	4				
CE	94 246.9	06 246.3 07 246.3 07 246.3	12 246.2	18 246.1 19 246.0	23 246.1	27 246.0	28 246.1	34 246.2	37 246.3 37 246.3 38 246.3 38 246.3	51 246.9
ACE	.00 246.9		.45 247.	.80 247. .20 247.	.00 247.5	20 247.	.80 247.	.45 247.:	95 247 00 247 30 247	.00 247.
	-12	~~~~ <u>~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Ģ	ကို ကို	0	с С	°	9	88	75
) <u>1 in 2</u>		1 in 30	1 in 30	1 in 20			
CE	246.6	246.21 246.21 246.21 246.21	246.2	50 246.09 51 245.98	55 246.00	68 245.90	59 246.00	246.22	246.25 34 246.25 34 246.25	246.8
ACE	.80 247.5	30 247.3 000 247.3 95 247.3	.45 247.4	.80 247.5 .20 247.5	00 247.5	20 247.5	80 247.5	.45 247.6	95 247.6 00 247.6 30 247.6	.00 247.6
	-10.	ŵŵ'n-	Ģ	ကုံ ကုံ			<i>к</i> і	O	~∞∞	5
					CH 51.82					
_		line								1 in 6
		1 in 50) <u>1 in 2</u>	0	1 in 30	1 in 30	1 in 20	1 in		
		B							<u>RBI</u>	
CE	246.58	246.24	246.21	246.07	246.07	245.96	246.07	246.21	246.24 246.24 246.24	246.85
FACE	247.24	247.33 247.34 247.34	247.38	247.44 247.46	247.53	247.57	247.58	247.61	247.63 247.63 247.63	247.68
	-10.35	-8.30 -7.95	-6.45	-3.80 -3.20	0.00	3.20	3.80	6.45	7.95 8.00 8.30	12.00
					TP CH 48.76	3				
	Member of the Surbar C ABN 47 065 47	The Jurong Group 75 149							Cross	Olivine Estate - Stage 12 Whittlesea City Council Road and Drainage s Sections - Daybook Terrace







MELWAYS REF PROJECT / DRAWING No. 1700E-12-15

SHEET No.

15 of 27 | 1

REVISION

	NAME	
	E.Bates	
	M.Angay	
	K.Moore	
ED	A.Burrows	0 1
WING REF.	1700E-12	0 0.5
CE No. 2		SCALE AS SHOWN

AS CONSTRUCTED

AS CONSTRUCTED PLANS



Global-Mark.com.au®





CROSS SECTION - DAYBOOK TERRACE

					CH 108.07				
DATUM245.0		50	1 in 20		1 in 30 1 in 30		<u>1 in 20</u>	1 in 50	KBL
DESIGN SURFACE	246.49 246.49 246.49	246.46	246.32	246.21	246.32	240.21	246.32	246.46	246.49 246.49 246.49
EXISTING SURFACE	246.86 246.86 246.86 246.86	246.88	246.90	246.90	246.90	240.9Z	246.93	246.94	246.95 246.95 246.95
OFFSET	-8.30 -8.00 -7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95 8.00 8.30
					TP CH 98.62				

	 					16m					-
	<u>0.05m</u>	1.5m ►FOOT ► = PATH	2.65m	0.6m B2	3.2m		3.2m	0.6m B2	<u>2.65</u> m	1.5m FOO PATI	ו T- - -
		1 in 50	1 in 20		1 in 30	1	 in 30		1 in 20	1 in 5	0
DATUM245.0		\									
DESIGN SURFACE	246.52 246.52	246.50		246.37	240.20	246.37 -	016 DE	246.37		246.50	
EXISTING SURFACE	246.86 246.86	246.87 246.87		246.89	240.09	246.90	216 03	246.93		246.95	
OFFSET	89 90 00 00 00 00	-6.45 -6.45		-3.80	02.6-	0.00		3.80		6.45	

|--|



CROSS SECTIONS - HARDWOOD GROVE

CH 710.66

						KBL	
DATUM245.0							
DESIGN SURFACE	246.39- 246.39- 246.39-	246.36 -	246.29 - 246.18 -	246.29 -	246.18 ⁻ 246.29-	246.38 246.41	246.31-246.31
EXISTING SURFACE	246.49 246.49 246.49	246.47	246.45 246.44	246.40	246.37 246.36	246.34 246.32 246.32	246.32 246.31
OFFSET		-6.45	-3.80	00.0	3.20	6.45 7.95 8.00	9.15

	 1 in 50) 1 in 40		1 in 30	1 in 30		<u>1 in 30</u>	1 in 50		<u>in 8</u>	
ACE	246.40 - 246.39 - 246.39 - 246.39 - 246.39 -	246.36 -	246.29-	246.18-	246.29 -	246.18-	246.29 -	246.38 -	246.41 - 246.41 - 246.41 -	246.31 -	
FACE	246.49 246.49 246.49 246.49 246.49	246.47	246.45	246.44	246.40	246.37	246.36	246.34	246.32 246.32 246.32	246.31 246.31	
	-8.42 -8.30 -7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95 8.00 8.30	9.15	

		<u></u>	·					1711		
DATUM245.0		50	1 in 40		1 in 30 1 in 30		1 in 30	1 in 50		1 in 6
	21-	0.18-	.11-	.00.	-11:	.00.	.11-	.20-	23	- 82.9
DESIGN SURFACE	246 246 246	246	246	246	246	246	246	246	246 246 246	2466
	<u>w</u> ww	.81	.80	.79	77.	.72	.71	.72	.74 .74 .75	.78
EXISTING SURFACE	246 246 246	246	246	246	246	246	246	246	246 246 246	2466
OFFSET	-8.30 -8.00 -7.95	-6.45	-3.80	-3.20	00.0	3.20	3.80	6.45	7.95 8.00 8.30	11.61
					CH 732.86					

3.2m

3.2m

0.05m FOOT - 2.65m



97

11.22

NAME

E.Bates

M.Angay

K.Moore

A.Burrows

1700E-12



-_____



1.5m

-FOOT

FILLING UNDER FOOTPATHS MUST BE TYPE A SELECTED MATERIAL IN ACCORDANCE WITH VICROADS STANDARD SPECIFICATION 204.



DWG PATH: V:_Vault\Projects_Urban\1700E-Olivine\1700E-12\Dwgs\1700E-12-17.dwg PRINTED BY: BK15730 on 23/04/2021 at 10:06:06 AM

	NAME		
2	E.Bates		
R	M.Angay		
)	K.Moore		
SED	A.Burrows	0 1 2 4	
AWING REF.	1700E-12	0 0.5 1 2 Seele 111100 11150	
ICE No. 2		Scale HT: 100, VT:50 SCALE AS SHOWN AT A1	

SMEC Member of the Surbana Jurong Group © ABN 47 065 475 149 Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008 Ph 03 9514 1500

DATUM246.0

OFFSET

DESIGN SURFACE

EXISTING SURFACE



72 61

247. 247.

248.03 248.03

-3.80 -3.20

	-
1 in 50	
RBL	
247.12 247.12 247.12	
247.44 247.44 247.44	
7.95 8.00 8.30	

— 1 in 5	50	
	RBL	
247.53 -	247.56- 247.56- 247.56-	
247.65	247.66 247.66 247.66 247.66	
6.45	7.95 8.00 8.30	

111.00	
247.61 -	247.64 247.64 247.64
247.90	247.89 247.89 247.89
6.45	7.95 8.00 8.30 8.30



247.82 ⁻ 247.82 -247.82 -

248.03 248.04 248.04

-8.30 -8.00 -7.95

247

Olivine Estate - Stage 12 Whittlesea City Council Road and Drainage Cross Sections - Silver Street

SHEET NO. REVISION 17 OF 27 1

PROJECT / DRAWING No. 1700E-12-17

MELWAYS REF

CH 83.50

1 in 30	1 in 40	1 in 50
247.72	247.72 - 247.72 - 247.79 -	247.82 + 247.82 + 247.82 +
248.02	248.00 248.00 247.99	247.99 247.99 247.99
0.00	3.20 3.80 6.45	8.30 8.30 8.30

CH 97.50

16m

		B2		PATH		
	1 in 20		1 in 40	1 in 50		
	<u> </u>					
]		<u>RBL</u>	
247 77		247.77		241.04	247.87 247.87 247.87 247.87	
247 72		247.76		241.13	247.81 247.81 247.81	
00.0		3.20 3.80		0.40	7.95 8.00 8.30	

\times	FILLING UNDER FOOTPATHS MUST BE TYPE A
\times	SELECTED MATERIAL IN ACCORDANCE WITH

VICROADS STANDARD SPECIFICATION 204.

	1.5m	15m	35M GAS EASEMENT				
	$\begin{array}{c c} 0.05m \\ \hline \\ PATH \end{array} \xrightarrow{0.05m} 0.6m \\ \hline \\ B2 \\ \hline \\ $	<u>3.2m 3.2m 0.6m 3.2m</u> B2	-				
=	<u> </u>	-1 in 301 in 501 in 50					
			2BL				
DATUM247.0	88.88.88 44.42 12.89 14.42 12.89 14.42	B8.00 B8					
	8.08 8.09 8.09 8.09 8.09 8.09 8.09 8.09	8.04 24 24 24 8.03 224 24 24 24 24 24 24 24 24 24 24 24 24					
	3.30 24 3.30 24 3.80 24 3.80 24 3.20 24 3.20 24	3.20 24 3.80 24 1.89 244 1.89 244	00.				
	φφις φ κ κ	CH 20 00					
	1 in 50 1 in 20						
-		$\frac{1 \text{ in } 30}{1 \text{ in } 30} = \frac{1 \text{ in } 50}{1 \text{ in } 30} = \frac{1 \text{ in } 50}{1 \text{ in } 50$				8m 🛏	
DATUM247.0					<u> </u>	4m	
DESIGN SURFACE	248.05 - 248.05 - 248.05 - 248.02 - 248.02 - 247.93 - 247.82 -	247.93 - 247.82 - 247.93 - 247.95 - 248.06 -		-	<u> </u>	<u>1 in 30</u>	←
EXISTING SURFACE	248.06 248.06 248.06 248.06 248.07 248.07 248.07	248.07 248.06 248.06 248.06 248.06					
OFFSET	-8.30 -6.45 -3.20 -3.20	0.00 3.20 3.80 5.91	00.7	DATUM246.0 DESIGN SURFACE		46.76	
L		CH 65.00		EXISTING SURFACE	6.78 6.79 6.79 6.79	6.88 6.88 6.88 6.88 6.88 6.88 6.88 6.88	
-	<u>1 in 501 in 30</u>	-1 in 30 $-1 in 30$ $-1 in 30$ -1		OFESET	5.30 24 24 24 24 24	0.00 24 4.00 24 5.30 24	
			RBL		1 T T	<u>СЦ 42 50</u>	
		98. 92. 68. 68. 66.				ОП 42.50	-
DESIGN SURFACE	97 247 247 247 247 247 247 247 247 247 24	93 247 90 247 90 247 90 247 90 247		=	1 in 10 $- 1 in 30$ $$	<u> </u>	
EXISTING SURFACE	15 247. 15	00 247. 20 247. 30 247. 31 247.		DATUM246.0			
OFFSET	8989-L- 99 r, r, 8189-L- 99 r, r, r,	0.0 3.3 2.0 2.0 2.0 2.0	2.0	DESIGN SURFACE	246.90 246.80 246.80 246.80	246.67 246.80 246.80 246.90	
		CH 52.50		EXISTING SURFACE	246.75 246.76 246.76	246.78 246.81 246.81 246.82	
-		<u>-1 in 30</u> <u>-1 in 30</u> <u>-1 in 50</u>		OFFSET	-5-30 -4-30 -4-00	0.00 4.00 5.30	
						CH 36.00	
			3BL				←
DATUM246.0	222 8 6 8					1 in 30	
DESIGN SURFACE	31 247. 30 247. 30 247. 30 247.	31 247. 30 247. 30 247.		DATUM246.0 DESIGN SURFACE	46.74	46.51	
EXISTING SURFACE	5 247.8 0 247.8 5 247.8 0 247.8	0 247.8 0 247.8 0 247.8	0	EXISTING SURFACE	6.72	6.74 2.6.77 2.6.77 2.6.78 2.73	
OFFSET	8-8	0.0 3.8 3.8 4	2.0		5.30 24 4.00 24 24	0.00 24 4.00 24 5.30 24	
		CH 40.00			т тт 	<u>СН 29 50</u>	
=		<u> </u>					_
				-	1 in 30	1 in 30 1 in 10	
			RBL				DATUM246.0
DATUM246.0 DESIGN SURFACE	47.73 47.73 47.73 47.50 47.50 47.50	47.61		DESIGN SURFACE	246.58 - 246.48 - 246.48 - 246.48	246.35 - 246.48 - 246.48 - 246.58 -	DESIGN SUF
EXISTING SURFACE	47.64 2 2 2 47.63 2 47.64 2 2 2 2 47.64 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	47.64 2 47.61 2 47.61 2 47.60 2 47.64 2		EXISTING SURFACE	246.68 246.69 246.69	246.71 246.74 246.75 246.75	EXISTING SU
OFFSET	2 2 <th2< th=""> <th2< th=""> <th2< th=""> <th2< th=""></th2<></th2<></th2<></th2<>	0.00 2 3.20 2 6.18 2 6.18 2 7	7.00	OFFSET	5. 44 2. 30 2. 30 2. 30 2. 4. 4. 50 2. 4. 4. 50 2. 50 5. 4. 4. 50 5. 50	0.00 4.00 5.30	OFFSET
		СН 26 00		L		CH 23.00	
-	1 <u>in 30</u> 1 in <u>30</u>	$\frac{1 \text{ in } 30}{1 \text{ in } 30} = \frac{1 \text{ in } 50 \text{ 1 in } 10}{1 \text{ in } 50 \text{ 1 in } 10}$		-			
				-	1 in 30	1 in 30 1 in 19	
			KBL	DATUM245.5			DATUM246.0
DESIGN SURFACE	247.44 247.44 247.44 247.41 247.21	247.32 - 247.21 - 247.32 - 247.43 -		DESIGN SURFACE	5 246.2 246.3 246.3	3 246.1 5 246.3 6 246.3 6 246.3	DESIGN SUR
EXISTING SURFACE	247.46 247.46 247.46 247.45 247.43 247.43	247.42 247.41 247.41 247.43		EXISTING SURFACE	246.6	246.6	EXISTING SU
OFFSET		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	2.00	OFFSET		0.00 5.30 5.30	OFFSET
		CH 13.00				CH 16.50	
	CROSS	SECTIONS - LONSDALE PARADE					CROSS SECTION
AS CO	ONSTRUCTED PLANS	All setting out should be carried out in accordance with MPA/Council's	TITLE NAME				
The purpose of these as-constructed changes which occurred during constru	plans is to update the design drawings to show significant uction. Note that the levels shown on these plans are design	standard drawings or as nominated on hard copy plans provided by SMEC. Any digital information supplied by this office is for information only. Any discrepancies should be discussed with the superintendent.	DRAFTER E.Bates			SMEC	
on site. SMEC Australia Pty Ltd acce	ept no responsibility for loss or damages resulting from the opriate usage of these plans	in Management. To waragement. As It sented Management.	CHECKED K.Moore		Mem	ber of the Surbana Jurong Group (C) ABN 47 065 475 149	
		SHO 3001 BUD	AUTHORISED A.Burrows SMEC DRAWING REF. 1700E-12	0 1 2		llins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008	MILV
	UNUTED	Global-Mark.com.au [®] Global-Mark.com.au [®] Global-Mark.com.au	REFERENCE No. 2	Scale H1:100, V1:50 SCALE AS SHOWN AT A1		Ph 03 9514 1500	

DWG PATH: V:_Vault\Projects_Urban\1700E-Olivine\1700E-12\Dwgs\1700E-12-18.dwg PRINTED BY: BK15730 on 23/04/2021 at 10:06:48 AM

SMEC
Member of the Surbana Jurong Group
C ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 0514 1500

0	FFSET	Ϋ́Ϋ́Ϋ́Ϋ́Ϋ́Ϋ́Ϋ́Ϋ́Ϋ́Ϋ́Ϋ́Ϋ́Ϋ́Υ			44		
					(
	1				Memb		

DATUM246.0







RFACE		246.99 -	246.90 - 246.90 -	246.77 - 246.90 - 246.90 -	247.00 -	
URFACE		246.84	246.85 246.86	246.89 246.91 246.91	246.92	
		-5.25	4.30	0.00 0.00 0.00	5.30	
				CH 49.00		-
NS - ORBIT	LANE					
				Olivine Estate - Stage 1 Whittlesea City Council Road and Drainage Cross Sections - Lonsdale P and Orbit Lane	2 arade	
		8 M	'S REF 2	PROJECT / DRAWING No. 1700E-12-18	SHEET No. 18 of 27	REVISION

	1 in 10	1 in 30	1 in 30 1	in 10
DATUM246.0 DESIGN SURFACE	246.93 246.85 246.85	246.72	246.85 246.85	246.95
EXISTING SURFACE	246.91 246.92 246.92	246.95	246.98 246.98	246.98
OFFSET	-5.02 -4.00	0.00	4.00 4.30	5.30
		CH 55	.50	
		1 in 30	<u> </u>	1 in 10

4m

4m

(2A)(3 2 4 WILLOWMEAD BOULEVARD . _ _ _ _ \sim _ DESIGN FLOW (m3/s) CAPACITY (m3/s) 0.961 0.966 0.843 1.145 0.848 AT GRADE VELOCITY (m/s) — 1.8 — — 1.8 — — 1.8 — — 1.8 — 900Ø RCP 900Ø RCP 900Ø RCP NOMINAL PIPE SIZE (mm) 900Ø RCP — 1 in 250 — - 1 in 250 -· 1 in 250 — 🗕 1 in 250 237.0 2.36 2.36 2.37 2.32 2.30 2.25 2.28 2.23 314 DEPTH TO INVERT 243.32 243.35 243.07 243.18 243.20 243.25 95 HYDRAULIC GRADE LINE 242.42 242.47 242.17 242.22 242.27 242.32 241.93 241.93 200 INVERT LEVEL 21 FINISHED SURFACE LEVELS EXISTING SURFACE LEVEL 5 CHAINAGE (24.78) (22.88) (24.51) (13.46)

AS CONSTRUCTED PLANS

PIPE TYPE GRADE

DATUM

(Reach Length)

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

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TITLE DRAFTER DESIGNER CHECKED AUTHORISED

AS CONSTRUCTED

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	5)	6			8		9 (1	10
	SPLAY DRAIN RADIUS = 54.3m 9.77m 14.32m			SPLAY DRAIN RADIUS = 53.15m	_		DAYBOOK TERRACE	
0.793 0.908 	0.772 0.908 1.7 825Ø RCP	225mm IL 241.85 000	0.763 0.908 1.7	0.741 0.908 1.7 825Ø RCP		0.472 0.532 - 1.49 675Ø RCP	 0.461 0.532 1.49 675Ø BCP 	
1 in 250 >	1 in 250>	- 1i	in 250 🗕	1 in 250		1 in 250 -	< 1 in 250 >	- 1
53 2.28	.58 .58 .2.2 .22	.75 2.2	78 2.27	.884 2.2 2.66	.06 2.5	10 2.55	.15 2.5 18 2.51	.36 2.4(.32
2.70 243.	2.75 243 2.87 243.	2.92 243	2.96 243.	3.20 244	3.27 244	3.32 244.	13.37 244 3.40 244.	13.45 244. 244.
241. <u>98</u> 24	24 245.13 24	24	245.23	24 24 24	24	245.91 24	245.92 24	24
245.19	245.19		245.26	245.96 245.96		246.45	246.79 2	
(2002)	172.22	175.73	183.33	230 23		241.68	250.60	
(56.95)	(29.64)	(1	11.10)	(47.40)		(10.96)	(8.92)	(

MELWAYS REF

PROJECT / DRAWING NO. 1700E-12-19

Olivine Estate - Stage 12 Whittlesea City Council Road and Drainage Drainage Longitudinal Sections - 1

SHEET NO. REVISION 19 OF 27 1

AS	\overline{CO}	NS	TR	UC.	TED	PL	ANS
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DESIGN FLOW (m3/s)

AT GRADE VELOCITY (m/s)

NOMINAL PIPE SIZE (mm)

DEPTH TO INVERT

INVERT LEVEL

CHAINAGE

(Reach Length)

CAPACITY (m3/s)

PIPE TYPE

DATUM

GRADE

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the

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CRUSHED ROCK BACKFILL

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

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	NAME				
	E.Bates				
ł	M.Angay				
	K.Moore				
ED	A.Burrows	0	5	10	
WING REF.	1700E-12	0	0.5		_
CE No. 2		SCA		DU, V1:5 DWN AT A	١ ١

DESIGN FLOW (m3/s) CAPACITY (m3/s)		<u> </u>	>	
AT GRADE VELOCITY (m/s)		< 1.77	->	
NOMINAL PIPE SIZE (mm) PIPE TYPE		 300Ø RCP 	>	
GRADE		< 1 in 60) >	
DATUM		238.0		
DEPTH TO INVERT	2.57	1.79	1.65	
HYDRAULIC GRADE LINE	244.31	244.35 244.61	244.99	245.01
INVERT LEVEL	243.77	244.55	244.69	
FINISHED SURFACE LEVELS	246.34		246.34	
EXISTING SURFACE LEVEL	247.06		246.97	
CHAINAGE	00.0		8.58	
(Reach Length)		(8.58)		•

AS CONSTRUCTED PLANS

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AS CONSTRUCTED

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0 5 10 20 0 0.5 1 2 Scale H1:500, V1:50 SCALE AS SHOWN AT A1

CRUSHED ROCK BACKFILL

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

PROJECT / DRAWING No. 1700E-12-22

MELWAYS REF

REVIS	SIO
1	

SHEET No. 22 of 27

						PIT SCHEDULE					
	T) (D.5	INTEF	RNAL	INL	ET	OUT	LET	5.01	DEDTU	STANDARD	DEL M DI/O
PIT NUMBER	IYPE	WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INV R.L. (m)	DIAMETER (mm)	INV R.L. (m)	F.S.L.	DEPTH	DRAWING	REMARKS
1	ENDPIPE			900	241.926			245.029	0		TEMPORARY HEADWALL
2	JUNCTION PIT	1350	900	900	242.075	900	242.025	244.942	2.916	EDCM 607	
2A	JUNCTION PIT	1500	900	900	242.217	900	242.167	244.534	2.367		
3	JUNCTION PIT	1500	1200	900	242.3	900	242,271	244,573	2,302	EDCM 607	
4		1200	900	825	242 469	900	242 419	244 695	2 277	EDCM 607	
+	JUNCTION FIT	1200	900	025	242.403	300	242.413	244.093	2.211		
	GRATED ENTRY			300	243.144						HAUNCH PIT COVER TO 600 x
5	PIT	1050	900	825	242.747	825	242.697	244.976	2.28	EDCM 607 & 601	900
				300	243.222						
6	GRATED ENTRY PIT	1500	900	825	242.915	825	242.865	245.131	2.266	EDCM 607 & 601	HAUNCH PIT COVER TO 600 x 900
				300	243.39						
7	DOUBLE GRATED ENTRY	1050	2100	825	243.01	825	242.96	245.23	2.271	EDCM 607 & 602	HAUNCH PIT COVER TO 600 x 900
				300	243.1						
8	GRATED ENTRY	1050	1350	675	2/13 27/	825	2//3 100	245.8	2 601	EDCM 607 & 601	HAUNCH PIT COVER TO 600 x
0	PIT	1050	1550	075	240.274	023	243.199	243.0	2.001		900
				525	243.349						
9	GRATED ENTRY PIT	900	1350	675	243.368	675	243.318	245.907	2.589	EDCM 607 & 601	HAUNCH PIT COVER TO 600 x 900
10	GRATED ENTRY PIT	750	900	600	243.454	675	243.404	245.915	2.512	EDCM 607 & 602	HAUNCH PIT COVER TO 600 x 900
11	GRATED ENTRY	750	900	600	243.59	600	243.54	245.984	2.444	EDCM 607 & 601	HAUNCH PIT COVER TO 600 x
	PII				044404						900
				300	244.484						
12	GRATED ENTRY PIT	750	900	600	243.926	600	243.876	246.213	2.337	EDCM 607 & 601	HAUNCH PIT COVER TO 600 x 900
13	GRATED ENTRY	750	900	600	244 139	600	244 089	246.349	2 26	EDCM 607 & 601	HAUNCH PIT COVER TO 600 x
10	PIT	100			211.100	000	211.000	2-10.0-10	2.20		900
				300	244.239						
14	ENDPIPE			600	244.203	600	244.203	246.402	2.199		BLANK OFF END PIPE
15	GRATED ENTRY PIT	600	900	300	244.508	300	244.458	246.353	1.896	EDCM 605 & 601	
				300	244.508						
16	DOUBLE GRATED ENTRY PIT	600	900	300	244.686	300	244.636	246.12	1.484	EDCM 605 & 602	
				300	244.686						
17	GRATED ENTRY PIT	600	900			300	244.906	246.297	1.391	EDCM 605 & 601	
10		600	000			200	044 700	046 100	4.4		
10	PIT	000	900			500	244.122	240.123	1.4		
19	ENDPIPE			300	244.642	300	244.642	246.401	1.669		BLANK OFF END PIPE
20	JUNCTION PIT	600	900	225	245.328	300	245.278	246.952	1.674	EDCM 605	
21	JUNCTION PIT	900	600			225	246.15	247.197	1.046	EDCM 605	
22	GRATED ENTRY	750	900	525	243.546	525	243,496	246.093	2.597	EDCM 607 & 601	HAUNCH PIT COVER TO 600 x
	PIT			300	244 367						900
00	GRATED ENTRY	750	000	EDE	0/2 004	EDE	040 774	046 040	0 570		HAUNCH PIT COVER TO 600 x
۷۵ کې	PIT	UC I	900	525	243.821	525	243.771	240.343	2.572		900
	GRATED ENTRY			300	244.549						
24	PIT	750	900	300	244.613	525	244.117	246.725	2.608	EDCM 607 & 601	900
				525	244.167						
25	GRATED ENTRY PIT	600	900	300	244.957	300	244.907	246.853	1.946	EDCM 605 & 601	
				300	244.957						
26	GRATED ENTRY PIT	600	900	300	245.597	300	245.547	247.107	1.559	EDCM 605 & 601	
27	GRATED ENTRY PIT	600	900	300	245.789	300	245.739	247.32	1.581	EDCM 605 & 601	
28	GRATED ENTRY	600	900			300	245.891	247.317	1.426	EDCM 605 & 602	
20	GRATED ENTRY	600	000			200	01E 107	216 9E1	1 7/7		
29	PIT	000	900			300	243.107	240.004	1.747		

AS CONSTRUCTED PLANS

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TITLE

AS CONSTRUCTED

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CHECKED AUTHORISED SMEC DRAWING REF.

30	GRATED ENTRY PIT	750	900	450	244.304	525	244.229	246.995	2.766	EDCM 607 & 601	HAUNCH PIT COVER TO 600 x 900
31	GRATED ENTRY PIT	600	900	450	244.414	450	244.364	246.994	2.63	EDCM 605 & 601	
32	GRATED ENTRY PIT	600	900	450	244.607	450	244.557	247.464	2.907	EDCM 605 & 601	
				300	245.65						
33	GRATED ENTRY PIT	600	900	450	245.036	450	244.986	247.783	2.796	EDCM 605 & 601	
34	JUNCTION PIT	600	900	300	245.972	300	245.922	247.692	1.769	EDCM 605	
35	JUNCTION PIT	900	600	225	246.401	300	246.351	247.971	1.62	EDCM 605	
36	ENDPIPE			225	246.505	225	246.505	248.055	1.55		BLANK OFF END PIPE
Ex	Ex	600	900	300	245.16			246.713	0		CONNECT TO EXISTING PIT
37	JUNCTION PIT	600	900			300	245.454	246.729	1.274	EDCM 605	GRATED JUNCTION PIT LID. REFER DETAIL.
38	GRATED ENTRY PIT	600	900			300	244.691	246.342	1.651	EDCM 605 & 601	
39	GRATED ENTRY PIT	600	900			300	244.499	246.094	1.596	EDCM 605 & 601	
40	DOUBLE GRATED ENTRY PIT	600	900			300	243.188	245.195	2.008	EDCM 605 & 602	
41	GRATED ENTRY PIT	600	900	300	243.547	300	243.497	245.111	1.614	EDCM 605 & 601	
42	GRATED ENTRY PIT	600	900	300	243.713	300	243.663	245.308	1.646	EDCM 605 & 601	
43	GRATED ENTRY PIT	600	900			300	243.969	245.377	1.408	EDCM 605 & 601	
44	GRATED ENTRY PIT	600	900			300	243.309	244.965	1.656	EDCM 605 & 601	
45	JUNCTION PIT	900	600	300	244.232	300	244.182	245.554	1.372	EDCM 605	GRATED JUNCTION PIT LID. REFER DETAIL.
46	JUNCTION PIT	600	900	225	244.65	300	244.6	245.517	0.917	EDCM 605	
47	JUNCTION PIT	600	900	225	245.007	225	244.957	245.981	1.024	EDCM 605	
48	JUNCTION PIT	900	600			225	245.175	246.143	0.968	EDCM 605	

MELWAYS REF

PROJECT / DRAWING No. 1700E-12-23

Olivine Estate - Stage 12 Whittlesea City Council Road and Drainage Drainage Pit Schedule

SHEET NO. REVISION 23 of 27 1

DWG PATH: V:_Vault\Projects_Urban\1700E-Olivine\1700E-12\Dwgs\1700E-12-24.dwg PRINTED BY: BK15730 on 23/04/2021 at 10:10:53 AM

MEN	IT COMPOSITION	
R	LAYER THICKNESS (mm)	MATERIAL
	30	SIZE 10 TYPE N ASPHALT (CLASS 170 BINDER)
	30	SIZE 10 TYPE N ASPHALT (CLASS 170 BINDER)
	10	SIZE 10 S18RF
	YES	
	130	SIZE 20 CLASS 2 CRUSHED ROCK COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% (MODIFIED) AS1289,5.2.1
	110	CLASS 3 CRUSHED ROCK COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% (MODIFIED) AS1289,5.2.1
	285	IMPORTED TYPE A FILL WITH CBR≥8% SWELL≤1.5% PERMEABILITY k≤5x10°m/s. OR LIME STABILISED SITE WON CLAY WHICH CONFORMS TO THE PARAMETERS ABOVE.
		SUBGRADE CLAY AS FOUND (C.B.R = 2%) (IF REQUIRED, SUBGRADE IMPROVEMENT WORKS TO BE UNDERTAKEN TO COUNCIL'S SATISFACTION)

MEN	NT COMPOSITION	
२	LAYER THICKNESS (mm)	MATERIAL
	200	N25 CONCRETE WITH SL82 MESH TOP 50 COVER. MESH TO HAVE 50 COVER TO ALL EDGES
	100	CLASS 3 CRUSHED ROCK OR CLASS 3 CRUSHED CONCRETE MECHANICALLY COMPACTED

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

TITLE

	NT DETAIL NOTES.	
1.	SAW JOINTS ARE TO BE PLACED AT A MAXIMUM 5m SPACING AT	
	INTERSECTIONS AND CONSTRUCTED 18-24 HOURS AFTER POURING.	
2.	TRANSVERSE/CONTRACTION JOINTS ARE TO BE PLACED AT A MAXIMUM	
	SPACING OF 12m.	
3.	ISOLATION JOINTS ARE TO BE PLACED AROUND PITS.	
4.	ALL JOINTS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH	
	"CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA - CONCRETE	
	PAVEMENT DESIGN FOR RESIDENTIAL STREETS 1997".	

MELWAYS REF

Olivine Estate - Stage 12 Whittlesea City Council Road and Drainage Concrete Jointing Details - Orbit Lane

PROJECT / DRAWING No. 1700E-12-25

SHEET NO. REVISION 25 of 27 2 SHEET No.

DWG PATH: V:_Vault\Projects_Urban\1700E-Olivine\1700E-12\Dwgs\1700E-12-26.dwg PRINTED BY: BK15730 on 23/04/2021 at 10:40:54 AM

	NAME				
ER	E.Bates				
IER	M.Angay				
ED	K.Moore				
RISED	A.Burrows	0	5	10	<u>2</u> 0
RAWING REF.	1700E-12	Scale	e 1:500		
ENCE No. 2		SCALE	E AS SHO	WN AT A1	

	LEGEND - EARTHWORKS PLAN ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY					
	STORMWATER DRAIN, PIT					
	& PROPERTY INLET					
	MAIN DRAIN SWALE DRAIN					
•s	SEWER & MAINTENANCE STRUCTURES					
— — — — — H	HOUSE DRAIN					
——— E ———	ELECTRICITY (U.GROUND)					
—— 0/H ——	ELECTRICITY (O.HEAD)					
G	GAS					
(
— w ——	WATER					
RW	RECYCLE WATER					
Ag	AG. DRAIN					
	SERVICE CONDUITS					
	EXISTING STORMWATER DRAIN					
>>	EXISTING SWALE DRAIN					
<u>Ө</u> —Ех S——	EXISTING SEWER & MAINTENANCE					
H						
——Ex E——	EXISTING ELECTRICITY (UNDER GROUND)					
0/H E	EXISTING ELECTRICITY OVERHEAD					
——————————————————————————————————————	EXISTING GAS					
——Ex T——						
Ex U Fx W	EXISTING UPTIC FIBRE					
——Ex RW——	EXISTING RECYCLED WATER					
—— Ex.Ag ——	EXISTING AG. DRAIN					
GWR	EXISTING SERVICE CONDUITS					
	EXISTING TACTILE PAVERS					
Fut D	FUTURE STORMWATER DRAIN					
_>>	FUTURE SWALE DRAIN					
G-FUT S-	STRUCTURES					
H						
Fut E						
Fut G	FUTURE GAS					
Fut T	FUTURE TELSTRA					
Fut 0	FUTURE OPTIC FIBRE					
Fut W						
— Fut RW— — Fut Aa—						
	FUTURE SERVICE CONDUITS					
	FUTURE TACTILE PAVERS					
	ZERO LOT LINES					
141.34	EXISTING SURFACE LEVEL					
FS140.35	FINISHED BUILDING LINE LEVEL					
ED157.40						
FR157.40 CH270.00	FINISHED RIDGE LINE LEVEL					
FR157.40 CH270.00 TW159.60	FINISHED RIDGE LINE LEVEL CHAINAGE TOP OF RETAINING WALL LEVEL					
FR157.40 CH270.00 TW159.60 BW159.00	FINISHED RIDGE LINE LEVEL CHAINAGE TOP OF RETAINING WALL LEVEL BOTTOM OF RETAINING WALL LEVEL					
FR157.40 CH270.00 TW159.60 BW159.00	FINISHED RIDGE LINE LEVEL CHAINAGE TOP OF RETAINING WALL LEVEL BOTTOM OF RETAINING WALL LEVEL EXISTING RETAINING WALL					
FR157.40 CH270.00 TW159.60 BW159.00	FINISHED RIDGE LINE LEVEL CHAINAGE TOP OF RETAINING WALL LEVEL BOTTOM OF RETAINING WALL LEVEL EXISTING RETAINING WALL RETAINING WALL					
FR157.40 CH270.00 TW159.60 BW159.00	FINISHED RIDGE LINE LEVEL CHAINAGE TOP OF RETAINING WALL LEVEL BOTTOM OF RETAINING WALL LEVEL EXISTING RETAINING WALL RETAINING WALL FUTURE RETAINING WALL					
FR157.40 CH270.00 TW159.60 BW159.00	FINISHED RIDGE LINE LEVEL CHAINAGE TOP OF RETAINING WALL LEVEL BOTTOM OF RETAINING WALL LEVEL EXISTING RETAINING WALL RETAINING WALL FUTURE RETAINING WALL STRUCTURAL FILL > 200mm DEEP					
FR157.40 CH270.00 TW159.60 BW159.00	FINISHED RIDGE LINE LEVEL CHAINAGE TOP OF RETAINING WALL LEVEL BOTTOM OF RETAINING WALL LEVEL EXISTING RETAINING WALL RETAINING WALL FUTURE RETAINING WALL STRUCTURAL FILL > 200mm DEEP EXISTING STRUCTURAL FILL > 200mm DEEP					
FR157.40 CH270.00 TW159.60 BW159.00	FINISHED RIDGE LINE LEVEL CHAINAGE TOP OF RETAINING WALL LEVEL BOTTOM OF RETAINING WALL LEVEL EXISTING RETAINING WALL RETAINING WALL FUTURE RETAINING WALL STRUCTURAL FILL > 200mm DEEP EXISTING STRUCTURAL FILL > 200mm DEEP CUT > 200mm DEEP					
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WARNING BEWARE OF UNDERGROUND SERVICES he locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown. ocate all underground services before commencement of works DIAL 1100 BEFORE YOU DIG www.**1100**.com.au

Olivine Estate - Stage 12 Whittlesea City Council Road and Drainage Willowmead Boulevard Earthworks Plan

PROJECT / DRAWING No. 1700E-12-26

 $\begin{array}{c|c} \text{SHEET No.} & \text{REVISION} \\ \hline 26 \text{ of } 27 & 1 \end{array}$

										RESIDUAL			
			POT	ENTIAL RISK		POTENTIAL	POTENTIAL ELIMINATION MEASURE, DESIGN	HOW ISSUE ADDRESED IN DESIGN AND/OR	IS THE RISK	RISK	RESIDUAL RISK	RESIDUAL	RESIDUAL
PHASE	DISC	CIPLINE CODE	(Construction, C	Operations, Maintenance)	RISK OWNER	CONSEQUENCES	INITIATIVE or CONTROL (Identify any Chandland on Code of prosting yeard)	CONSTRUCTION OF THE WORKS	ELIMINATED?	LIKELIHOOD			RISK OWNER
					(Identify any Standard or Code of practice used)		YES / NO	(0-5)	(0-5)	RATING			
Road Furniture / R	oadside F	eatures											
Construction	RD	Roads	Construction close to live traffic	New works will be constructed adjacent to live traffic when abutting existing stages.	Contractor	Disruptions to live traffic, construction incident involving live traffic.	Provide safe temporary traffic control (TCP)	TCP provided within contract	N	5	3	15	Constructor
Construction	RD	Roads	Culverts	Potential risk from culverts under construction and height / fall hazards	Contractor	Falling from a height	Temporary barriers to be provided	Temporary barrier provided in contract	Ν	2	5	10	Constructor
Construction	US	Utilities or Services	Utilities become a hazard within clear zones	Vehicle conflict with utility / pit	Contractor	Personal injury, vehicle damage	Sequence works and protect with temp barrier or traffic control (TCP)	TCP provided within contract	N	1	5	5	Constructor
Operational	RD	Roads	Sight Lines	Inadequate drivers response time.	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Vis lines checked and discussed with approval authority as part of design approval process	N	1	4	4	Road Authority
Operational	LS	Lines and Signs	Signs and street lights	Potential for drivers / riders to strike signs and street lights	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Refer to appropriate standard for sign and lighting offsets	N	1	4	4	Road Authority
Operational	RF	Road Furniture	Headwalls	Potential vehicle conflict within clear zone	Road Authority	Increased potential for accidents	Establish adequate clear zone provision	Adequate barrier provided as per appropriate standard where within clear zone. Culvert headwall selection in accordance with authority standard	N	2	4	8	Road Authority
Operational	RD	Roads	Culverts	Potential fall hazard during maintenance, by vechicles and pedestrians	Relevant Authority	Falling from a height	Barriers to be provided in accordance with road standards	Barriers to be provided and safe batter slopes (>1:3)	Ν	2	5	10	Constructor
Retaining Walls	· · · ·			1		1		1					
Construction	RW	Retaining Walls	Retaining Wall Alignment	Falling from height during construction or commissioning of walls and adjacent structures eg. sewer manholes	Contractor	Falling from a height	Provide temporary and permanent fencing at top of wall.	Provide fencing (at heights) during design process	N	1	1	1	Constructor
Operational	RW	Retaining Walls	Retaining Wall Alignment	Lack of safe access/setback from road	Road/ Local Authority	Increased potential for accidents	Establish adequate and accessible clear zone provision. Provide guardrail where required	Wall located in suitable position during design process and approved by authority	N	1	1	1	Authority
Operational	RW	Retaining Walls	Retaining Wall Height	Potential for falling from height	Road/ Local Authority	Personal injury	Provide temporary and permanent fencing at top of wall.	Provide fencing (at heights) during design process	N	1	5	5	Authority
Operational	RW	Retaining Walls	Retaining Wall Design	Potential for wall failure	Road/ Local Authority	Increased potential for accidents	use and good practise.	Refer to structural drawings and calculations	Ν	1	5	5	Authority
Drainage						1				-	F		
Operational	DR	Drainage	Grated Pits	Trip/fall hazard with large spaced grate	Relevant Authority	Increased potential for accidents	Provide pedestrian/bicycle friendly grates where applicable. Refer to pit schedule	Design in accordance with authority and manufacturers standards	N	3	2	6	Authority
Operational	DR	Drainage	Non Standard Large Pits	Potential for pit failure	Relevant Authority	Increased risk to maintenance crews/ vehicles	Structural design in accordance with relevant design principles.	Refer to structural drawings and calculations	Ν	1	4	4	Authority
Operational	DR	Drainage	Culvert Endwalls/Headwalls	Potential for falling from height	Relevant Authority	Increased potential for accidents	with relevant authority standards	Allow for fencing in Design Process	N	1	4	4	Authority
Operational	DR	Drainage	Culvert Endwall/Headwall Outlets	Children playing in large pipes / watercourses and access for maintenance	Relevant Authority	Increased potential for accidents	Grate provided to authority standards	Design in accordance with authority and manufacturers standards	N	2	5	10	Authority
Maintenance	DR	Drainage	Access to Pits	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	access arrangements as per relevant authority standards	permanent water bodies	N	2	5	10	Authority
Maintenance	DR	Drainage	Deep Pits	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	contractor to be certified for work in confined spaces, step irons to be provided to appropriate authority standards. Refer to pit schedule	Design in accordance with authority standards	N	1	5	5	Authority
Maintenance	DR	Drainage	Access to drains / culverts	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Access as approved by authority	Design pit in location for easy access as agreed with authority	N	2	3	6	
Sewer													
Construction	SE	Sewer	Sewer Manhole located adjacent to Retaining Wall Alignment	Falling from height during construction or commissioning of adjacent sewer manholes	Contractor	Falling from a height	Provide temporary fencing until such time that permanent fencing is constructed	Provide fencing (at heights) during design process	Ν	1	1	1	Constructor
Maintenance	SE	Sewer	Deep Manholes	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, landings and step access provided as per authority standards and schedule	Design in accordance with authority standards. Refer pit schedule on drawings	Ν	1	5	5	Authority
Maintenance	SE	Sewer	Access to Manholes	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Manholes located in compliance with authority standards	Where possible design manhole in location for easy access	Ν	1	5	5	Authority
Maintenance	SE	Sewer	Pump Station Access	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance	Design pump station in location for easy access	N	2	4	8	Authority
Electricity	1 1			Γ				Dita designed below ground. Where above ground adequate offset		1			
Operational	ES	Electrical Services	Electrical Design	Location of assets within clear zones e.g pits/ substations	Relevant Authority	Increased potential for accidents	Electrical designed by sub consultant with appropriate accreditation and in accordance with authority standards	from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Telstra													
Operational	TE	Telstra	Telstra Design	Location of assets within clear zones e.g pits	Relevant Authority	Increased potential for accidents	Telecommunications designed by authority consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Water	·												
Operational	WA	Water	Water Design	Location of assets within clear zones e.g pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Gas						I		· · · · · · · · · · · · · · · · · · ·					
Operational	GA	Gas	Gas Design	Location of assets within clear zones e.g pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection	N	1	1	1	Authority
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AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

AS CONSTRUCTED

DWG PATH: V:_Vault\Projects_Urban\1700E-Olivine\1700E-12\Dwgs\1700E-12-85.dwg PRINTED BY: BK15730 on 23/04/2021 at 10:14:14 AM

	DRAFTER	E.Bates	
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1901	AUTHORISED	A.Burrows	<u>0 5 10 2</u> 0
4007	SMEC DRAWING REF.	1700E-12	Scale 1:500
®	REFERENCE No. 2		SCALE AS SHOWN AT A1

NAME

Olivine Estate - Stage 12 Whittlesea City Council Road and Drainage Safety In Design

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	SHEET No

SHEET No. REVISION 27 of 27 1

MELWAYS REF PROJECT / DRAWING NO. 1700E-12-85