

2360E-02-01	Cover Plan
2360E-02-02	Layout Plan
2360E-02-03	Intersection Detail Plan - 1
2360E-02-04	Intersection Detail Plan - 2
2360E-02-05	Longitudinal Sections - 1
2360E-02-06	Longitudinal Sections - 2
2360E-02-07	Cross Sections: Cherish Drive
2360E-02-08	Cross Sections: Rejoice Street & Spree Street
2360E-02-09	Cross Sections: Feast Way Ch 11.80 - Ch 131.85
2360E-02-10	Cross Sections: Feast Way Ch 144.35 - Ch 202.56 & K
2360E-02-11	Drainage Longitudinal Sections - 1
2360E-02-12	Drainage Longitudinal Sections - 2
2360E-02-13	Drainage Longitudinal Sections - 3
2360E-02-14	Pit Schedule
2360E-02-15	Signage & Linemarking Plan
2360E-02-16	Pavement Details
	Osfatula Dasian



TEMPORARY BENCH MARK TABLE								
NAME	ME EASTING (M) NORTHING (M) REDUCED LEVEL (M)			DESCRIPTION				
T.B.M 1	296268.96	5812551.29	50.83	STAR PICKET				
T.B.M 2	297060.94	5812470.05	50.25	STAR PICKET				
T.B.M 3	296997.71	5811695.27	46.67	NAIL IN ROUNDABOUT				
T.B.M 4	296178.66	5811787.24	43.74	STAR PICKET				
T.B.M 4	296178.66	5811787.24	43.74	STAR PICKET				

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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GENERAL NOTES (WYNDHAM CITY COUNCIL)

- THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDCM ADDENDUM STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS. 3. THE CONTRACTOR SHALL:
- COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY 3.1. RULES, AND THE MINES (TRENCHES) REGULATIONS 1982.
- 3.2 NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF THEIR INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER. ENSURE THAT THE MINE MANAGER OR THEIR DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE 3.3
- WHEN TRENCHING OPERATIONS ARE IN PROGRESS. THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO
- COMMENCEMENT OF CONSTRUCTION. 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
- 6. TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED FROM THE SITE PRIOR TO THE COMMENCEMENT OF WORKS. NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY EXISTING TREE UNTIL APPROVAL HAS BEEN GIVEN BY COUNCIL'S SUPERVISING OFFICER.
- 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.
- CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVA IS GIVEN BY THE SUPERINTENDENT. BOTH KERBS ARE TO BE MARKED WITH THE LETTERS E.G.H.R.T&W ABOVE CONDUIT LOCATIONS AS SPECIFIED. RESPECTIVE LETTERS TO BE INDICATED ABOVE RELEVANT CONDUITS AS PER STANDARD DRAWING EDCM 303. CONDUITS TO BE PLACED MINIMUM OF 5m FROM BOUNDARIES WHERE POSSIBLE AND TO THE SATISFACTION OF THE SUPERINTENDENT IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS. 9. SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL AS PER STANDARD DRAWINGS
- EDCM 202 (EXPANSIVE SUBGRADE). 10. ALL LINEMARKING, SIGNING AND TRAFFIC CONTROL DEVICES TO BE IN ACCORDANCE WITH VICROADS REQUIREMENTS WITH LATERAL WORKS AND ARROWSBEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (VICROADS SPECIFICATION SEE SECTION 710&722)
- 11. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM. 12. THE CONTRACTOR WHEN ENGAGED IN BLASTING OPERATION, 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 ENGINEER. 13. ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES SHALL BE SURFACED WITH A 100mm MINIMUM TO 200mm MAXIMUM LAYER OF TOPSOIL AS SPECIFIED. ALL FILLING ON ALLOTMENTS TO BE COMPACTED TO 95% STANDARD COMPACTION IN 150mm LAYERS AND AS PER THE SPECIFICATION. WHERE THERE IS FILL IN EXCESS OF 300mm IN DEPTH, THE CONTRACTOR IS TO CARRY OUT SOIL TESTS TO THE REQUIREMENTS OF APPENDIX B AS SPECIFIED IN THE AUSTRALIAN STANDARD AS 3798 TO SHOW THAT LEVEL 1 COMPACTION STANDARDS HAVE BEEN ACHIEVED. TEST RESULTS AND LOCATION OF TESTS FOR EACH ALLOTMENT SHALL BE APPROVED BY THE CONTRACTOR AND FORWARDED TO COUNCIL.
- 14. FILL MATERIAL USED UNDER PAVEMENTS AND FOOTPATHS MUST BE AN APPROVED MATERIAL TO THE STANDARD OF WYNDHAM CITY COUNCIL. ALL SUCH MATERIAL IS TO BE COMPACTED AS PER THE REQUIREMENTS OF THE SPECIFICATION APPROVED WITH THESE DRAWINGS PRIOR TO FORMWORK BEING PLACED. COMPACTION TESTS TO BE COMPLETED AND PROVIDED TO SUPERINTENDENT.
- 15. FILL & CUT BATTERS ARE NOT TO EXCEED 1 in 6 SLOPE, UNLESS SHOWN OTHERWISE. 16. ALL ALLOTMENTS SHALL BE SMOOTHED, GRADED AND SHAPED TO AN EVEN SURFACE WITH A MINIMUM FALL OF 1 in 150 TO THE DRAINAGE OUTLET SHOWN
- 17. ALL DRAINAGE PIPES ARE CLASS 2 RCP PIPES, RUBBER RING JOINTED UNLESS OTHERWISE SPECIFIED.
- 18. DRAINAGE PITS SHALL BE CAST MONOLITHICALLY. CEMENT RENDER SHALL ONLY BE USED TO REPAIR DEFECTS. 19. BACKFILLING OF TRENCHES WHERE DRAINAGE AND SEWERAGE ARE IN CLOSE PROXIMITY ARE TO BE BACKFILLED AS PER WYNDHAM CITY COUNCIL STANDARD DRAWING SD6-10.
- 20. ALL SERVICING TRENCHES UNDER ROADS, FOOTPATHS, DRIVEWAYS, PARKING BAYS ETC. ARE TO BE BACKFILLED WITH CLASS 2 F.C.R.
- 21. ALL HOUSE DRAIN CONNECTIONS ARE TO BE LOCATED NO CLOSER THAN 5.00m FROM THE SIDE BOUNDARY.
- 22. INVERT OF PROPERTY INLETS TO BE 500mm MINIMUM BELOW FINISHED SURFACE UNLESS NOTED OTHERWISE. 23. VEHICLE CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWINGS EDCM 501 TO 503. DRIVEWAYS TO BE LOCATED MIN 0.75m FROM BUILDING LINE UNLESS SPECIFIED OTHERWISE AND CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. DOUBLE DRIVEWAY WIDTH TO BE 7.0m AT FRONT OF PATH/BUILDING LINE.
- 24. ADDITIONAL AND OVER-EXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATION 25. FOOTPATH CROSSFALL TO BE 1:50
- 26. ALL FOOTPATHS AND SHARED PEDESTRIAN/BICYCLE PATHS ARE TO BE CONSTRUCTED AS PER CITY OF WYNDHAM SPECIFICATIONS AND MPA STANDARD DRAWINGS EDCM 401 TO 403.
- 27. ALL EXOTIC (NON NATIVE) TREES AND SHRUBS, INCLUDING DEAD TREES, NOT SHOWN ON THE DRAWINGS BUT LOCATED WITHIN THE WORKS ARE TO BE REMOVED AND DISPOSED OFFSITE.
- 28. INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKER (BRRPM) ON ROAD CENTRELINE AND "GROUND BALL" MARKER POST TO INDICATE LOCATION OF FIREPLUG. 29. THE CONTRACTOR IS TO ENSURE THAT THEIR CONSTRUCTION PROCEDURES AND STANDARDS CONTROL THE
- VOLUME AND LOCATION FOR COLLECTION OF SEDIMENT RUNOFF ACCORDING TO CURRENT EPA ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES.
- 30. UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED UP, GRADED AND ALL RUBBISH REMOVED. THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
- 31. EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL ENGINEER.
- 32. THE LOWER SUB-BASE MATERIAL SHALL WILL BE N.D.C.R. FOR PAVEMENT MAKE UPS AS PER THE STANDARD DRAWINGS OF WYNDHAM CITY COUNCIL.
- 33. TOTAL LENGTH OF ROADS CONSTRUCTED IS 468 m
- TOTAL LENGTH OF DRAINS CONSTRUCTED IS 794 m

GAS - STANDARD NOTES

- GAS MAINS, FITTINGS AND MARKER TAPE ARE TO BE SUPPLIED BY THE GAS AUTHORITY
- EXCAVATION, SUPPLY AND PLACEMENT OF REQUIRED BACKFILL TO BE UNDERTAKEN BY OTHERS. NOTIFICATION MUST BE GIVEN TO THE GAS AUTHORITY TWO WEEKS PRIOR TO THE COMMENCEMENT OF EXCAVATION WORKS.

REINFORCED CONCRETE PIPE

- 1. ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE
- CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS 3725-2007, LOADS ON BURIED PIPES. 2. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPLACED & RELAID AT THE CONTRACTOR'S COST.

WARNIN SAFETY MEASURES	G REQUIRED		WARNII BEWARE OF UNDERGR	NG OUND SERVICES			
ote there are risks attached to the construction of oject, and any ongoing maintenance of structures. The safety of all. For potential risks, consequences controls refer to Safety In Design Risk Register SID P4.E6. 2360E-02-85 ASSESS THE RISK - STAY SAFE			The locations of underground services are approximate their exact position should be proven on site. No guarantee is given that all existing services are si Locate all underground services before commencement <u>DIAL 1100 BEFORE YOU DIG</u> www.1100.com.au				
7			Marigold - Stage 2 Wyndham City Coun Road and Drainage Cover Plan	cil 9			
AND	MELWAYS REF	PROJECT	t / drawing no. 0 E-02-01	SHEET NO. 01 of 17	REVISIO		



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ROAD LAYOUT TABLE								
ROAD NAME	RESERVE WIDTH	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
		LIP TO LIP	INV TO INV	ВАСК ТО ВАСК	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
REJOICE STREET	16.0	6.40	7.30	7.60	600B2	600B2	4.35	4.05
FEAST WAY	16.0	6.40	7.30	7.60	600B2	600B2	4.35	4.05
KEEPING TERRACE	14.5	6.40	7.30	7.60	600B2	600B2	4.35	2.55
CHERISH DRIVE	16.0	6.40	7.30	7.60	600B2	600B2	4.35	4.05
SPREE STREET	16.0	6.40	7.30	7.60	600B2	600B2	4.35	4.05

----GWR-----

__> ___> __

G-fut s — — — — — H ——Fut E ——

-Fut0/H E ----——Fut G ——

——Fut T ——

—-Fut 0 —---—-Fut W -----

—Fut RW —

—Fut Ag —

_ _ _

141.34

FS140.35 FR157.40 CH270.00 TW159.60

BW159.00

77.1

SERVICES OFFSET TABLE							
ROAD NAME	GAS	WATER	RECYCLED WATER	ELECTRICITY	OPTIC FIBRE		
	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)		
REJOICE STREET	2.10 N	3.10 N	2.60 N	2.60 S	1.85 S		
FEAST WAY	2.10 W	3.10 W	2.60 W	2.60 E	1.85 E		
KEEPING TERRACE	2.10 N	3.10 N	2.60 N	0.80 S	0.30 S		
CHERISH DRIVE	2.10 E	3.10 E	2.60 E	2.60 W	1.85 W		
SPREE STREET	2.10 N	3.10 N	2.60 N	2.60 S	1.85 S		

	STORMWATER DRAIN, PIT
	MAIN DRAIN
	SWALE DRAIN
s	SEWER & MAINTENANCE STRUCTURES
- — — —H	HOUSE DRAIN
— Е ———	ELECTRICITY (U.GROUND)
0/H ——	ELECTRICITY (O.HEAD)
— G ——	GAS
— T ——	TELSTRA
— 0 ——	OPTIC FIBRE
— w ——	WATER
- RW ——	RECYCLE WATER
- Ag ——	AG. DRAIN
-GW-	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
>	EXISTING SWALE DRAIN
—Ex S ——	EXISTING SEWER & MAINTENANCE STRUCTURES
— — — —H	EXISTING HOUSE DRAIN
-Ex E	EXISTING ELECTRICITY (UNDER GROUND)
)/H E ——	EXISTING ELECTRICITY OVERHEAD
Ex G ——	EXISTING GAS
Ex T ——	EXISTING TELSTRA
x 0 ——	EXISTING OPTIC FIBRE
x w —	EXISTING WATER
x RW —	EXISTING RECYCLED WATER
Ex.Aq —	EXISTING AG. DRAIN

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 9514 1500

GROWLAND

SCALE AS SHOWN AT A1

FOR CONTINUATION REFER TOP LEFT

2	4.05	
5	4.05	
5	2.55	
5	4.05	
5	4.05	FUTURE PROPOSED WORKS STAGE 2
		1 in 150 SLOPE VARIES
EXIS		

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
FINISHED BUILDING LINE LEVEL
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

FILL BATTER INTO FUTURE LOT <u>A - A</u> NOT TO SCALE

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 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

Marigold - Stage 2 Wyndham City Council Road and Drainage Layout Plan

 MELWAYS REF
 PROJECT / DRAWING No.

 359 F9
 2360E-02-02

SHEET No. REVISION 2 SHEET No.



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LIP LINE L

Alignmen	it L			
Point no	Easting	Northing	RL	
L1	296546.586	5811993.228	48.393	
L2	296538.907	5812002.660	48.308	
Curve no	I Rad	dius Arc	A B X Y I Mid point RL	
L1 - L2	90.000 8	6.600 13.509	2.519 1.864 3.291 2.790 3.377 48.351	
Alignmen	t M			
Point no	Easting	Northing	RL	
M1	296562.384	5812000.255	48.388	
M2	296552.953	5811992.576	48.393	

Curve no I Radius Arc A B X Y I Mid point RL M1 - M2 90.000 8.600 13.509 2.519 1.864 3.291 2.790 3.377 48.426

		N1				N2	
			CH3.33 RL46.4	8 12	CH10.13 RL46.63	3	
HORIZONTAL GEOMETRY		<	F L=6.75m VC	R=-8.60m HC	L=6.75m VC	>	
VERTICAL GEOMETRY DATUM RL45	<	1.32%	><	3.22%	><	0.93	3% >
DESIGN LEVEL		46.37-	46.43-	46.52-	46.61 - 46.61-	46.66	
EXISTING SURFACE		46.52	46.56	46.58	46.60 46.60	46.60	
NORTHING		5811881.28	5811884.62	5811887.58	5811889.72	5811890.71	
EASTING		296458.42	296458.11	296456.54	296453.95	296450.74	
CHAINAGE		00.0	3.38	6.75	10.00	13.51	

LIP LINE N

				11			
				L _	- 1		τ
				CH0 RL48.3	39		CH4. RL48
HORIZONTAL GEOMETRY				<			R=-8.
		0.5%			1%	L=5r	n VC ₋0 5
VERTICAL GEOMETRY	$\boldsymbol{\leftarrow}$	0.070	>	<	1/0	->	<
DATUM RL47							
DESIGN LEVEL				40.34	48.41-		40.40
EXISTING SURFACE				48.40	48.46	<u> </u>	40.47
NORTHING				92.0002186	5812000.18	E011000 11	14.999.10
EASTING				86.20002	296560.07	006657 70	01.100062
CHAINAGE				00.0	2.32		4.02

Alignment N Point no Easting Northing RL N1 296458.422 5811881.277 46.371 N2 296450.743 5811890.708 46.664 Curve no I Radius Arc A B X Y I Mid point RL N1 - N2 90.000 8.600 13.509 2.519 1.864 3.291 2.790 3.377 46.524 Alignment P Point no Easting Northing RL P1 296441.447 5811898.093 46.725 P2 296451.395 5811897.075 46.651 P3 296460.827 5811904.754 46.745 Curve no I Radius Arc A B X Y I Mid point RL P2)



TITLE	NAME
DRAFTER	S.Sathasivam
DESIGNER	J.Chen
CHECKED	E.Wang
AUTHORISED	B.Sanderson
REFERENCE No. 1	
REFERENCE No. 2	











LEGEND - INTE ALL PROPOSED, FUTURI	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
⊖—Ex 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
7	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH

LIP LINE M

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.







Alignment Q

Point no Easting Northing RL Q1 296449.503 5811794.186 45.853 Q2 296442.563 5811803.509 45.949 Curve no I Radius Arc A B X Y I Mid point RL

Q1 - Q2 85.021 8.600 12.761 2.260 1.675 3.118 2.694 3.190 45.894

Alignment R

Point no Easting Northing RL R1 296441.552 5811810.245 45.964 R2 296451.919 5811817.776 45.972

Curve no I Radius Arc A B X Y I Mid point RL R1-R2 96.314 8.600 14.457 2.863 2.115 3.509 2.898 3.614 45.996

J-	ΤE	S	

- PART OF THE LANDSCAPE WORKS.
- LANDSCAPE WORKS.







LIP LINE Q

		1			
	NAME	-	N		
	S.Sathasivam			SMEC	
	J.Chen	0 2 4 8			
	E.Wang	0 0.2 0.4 0.8		Member of the Surbana Jurong Group	
D	B.Sanderson	0 2 4 8		(C) ABN 47 065 475 149	
FNo 1		Scale 1:200		Collins Square, Tower 4, Level 20, 727 Collins St Melbourne, VIC 3008	
		SCALE AS SHOWN AT A1		Ph 03 9514 1500	GROWL
L INU. Z					

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 INDUSTRIAL DRIVEWAYS TO COUNCIL RESERVES TO BE PROVIDED AS PART OF

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

LEGEND - INTE ALL PROPOSED, FUTUR	ERSECTION DETAIL PLAN E & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY
□= = = =	STORMWATER DRAIN, PIT & PROPERTY INLET
D = = = = =	MAIN DRAIN
S	SEWER & MAINTENANCE STRUCTURES
— — — — — H	HOUSE DRAIN
GWR	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
⊖—Ex S ——	EXISTING SEWER & MAINTENANCE STRUCTURES
GWR	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
-Fut D-	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
G-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

		Marigold - Stage 2						
	Wyndham City Council							
7	Road and Drainage Intersection Detail Plan - 2							
AND	MELWAYS REF	PROJECT / DRAWING No. 2360E-02-04	SHEET NO. 04 of 17	REVISION				





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

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.







TITLE DRAFTER DESIGNER CHECKED AUTHORISED REFERENCE

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FEAST WAY LONGITUDINAL SECTION

REJOICE STREET LONGITUDINAL SECTION

	NAME			
	S.Sathasivam			
	J.Chen			
	E.Wang		Member of the Surbana Jurong Group	
)	B.Sanderson	0 5 10 20	Collins Square Tower 4 Level 20, 727 Collins St	
No. 1		0 0.5 1 2 Scale H1:500 V1:50	Melbourne, VIC 3008	
No. 2		SCALE AS SHOWN AT A1	211 03 95 14 1500	GRUWL

7		Marigold - Stage 2 Wyndham City Council Road and Drainage Longitudinal Sections - 2		
AND	MELWAYS REF	PROJECT / DRAWING No. 2360E-02-05	sheet №. 05 of 17	REVISION

	-1.67 %	
072 27	7.14 1.14	47.407-
17 605	600. 74	47.436

IP	CHAINAGE	X COORD	Y COORD	Z COORD	TYPE	BEARING LENGTH RADIUS	3
1	118.650	296584.148	5812001.243	48.387	IP	275°50'49.98"	
2	192.924	296510.261	5812008.810	48.559	IP	275°50'49.98"	

FEAST	WAY	DESIGN	LINE

FEAST WAY DESIGN LINE											
IP	CHAINAGE	X COORD	Y COORD	Z COORD	TYPE	BEARING LENGTH RAD	US				
1	0.000	296550.972	5812004.641	48.474	IP	185°50'50.00"					
2	202.560	296530.336	5811803.135	46.648	IP	185°50'50.00"					

46 CH 232.363 RL 46.124 = 6 m VC -2.5 % 3.08 % 433-433-386-386-318-318-124[.] 226[.] 46.0446. 46. 46. 46.646 46.629 46.610 46.609 46.645 525 497 46. 218.628 220.000 221.511 221.628 224.628 363 651 232.3





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GTAGE		TAGE 2															
			 ◄	<u>INTER</u> SPI	RSECTION REE STRE	WITH								ח∩ם			
									7.						DEVELOPMENT ERSECTION WITH EPING TERRACE		*
						сн 362.032 СН 362.032 СН 362.032	= 30m VC										
		-1	.67 %					> 					-0.5 %				R= -
47.407	47.324	47.090	46.881	46.739	46.673	46.481 46.477 46.415 46.415	46.337	46.296	46.281	46.266	46.204	46.181	46.134	46.081 46.078 46.064	45.994 45.987	45.981 45.927 45.927	
47.436	47.347	47.125 47.109	46.929 46.903	46.796	46.739 46.694	46.556 46.551 46.502 46.471	46.343	46.254	46.223	46.192	46.093	46.065	45.971	45.932 45.937 45.960	46.188 46.221	46.246 46.361 46.251	
300.000	304.959	318.959 320.000	331.459 333.160	340.000	343.959 347.032	356.459 356.760 360.000 362.032	370.459	377.032	380.000	382.959	395.459	400.000	409.459	420.000 420.593 423.459	437.459 438.917	440.000 450.959 452.095	
			RTP			RTP								RTP			

CHERISH DRIVE LONGITUDINAL SECTION

CHERISH DRIVE DESIGN LINE

IP 1 2	CHAINAGE 304.96 438.92	X COORD 296466.884 296453.237	Y COORD 5811932.491 5811799.230	Z COORD 47.608 48.268	TYPE IP IP	BEARING LENGTH RADIUS 185°50'50.00" 185°50'50.00"
KEE	PING TERRA	CE DESIGN L	INE			
IP	CHAINAGE	X COORD	Y COORD	Z COORD	TYPE	BEARING LENGTH RADIUS
1	307.755	296437.031	5811808.026	46.091	IP	104°25'23.52"
2	316.368	296445.394	5811805.875	46.027	IP	17.227 -100.150
3	324.982	296454.001	5811805.187		IP	94°34'04.00"
SPR	REE STREET	DESIGN LINE				
IP	CHAINAGE	X COORD	Y COORD	7 COORD	TYPF	BEARING LENGTH RADIUS
1	0.000	296462 808	5811892 689	46 681	IP	275°50'50 00"

2 39.850 296423.165 5811896.749 46.809 IP 275°50'50.00"



be carried out in accordance with MPA/Council's	TITLE	NAME			
r as nominated on hard copy plans provided by ormation supplied by this office is for information	DRAFTER	S.Sathasivam			
es should be discussed with the superintendent.	DESIGNER	J.Chen			
aragement. As a la Management	CHECKED	E.Wang		Member of the Surbana Jurong Group	
10 SH	AUTHORISED	B.Sanderson	0 5 10 20	C ABN 47 065 475 149	
4007	REFERENCE No. 1			Melbourne, VIC 3008	
Global-Mark.com.au [®] Global-Mark.com.au [®]	REFERENCE No. 2		Scale H1:500, V1:50 SCALE AS SHOWN AT A1	Ph 03 9514 1500	GROWLAND

	CH 140.323 RL 46.615
	/ CH 140.323 ELV. 46.615
46.717	46.617- 46.615-
46.705	46.674 46.673
120.000	140.000 140.323

VERTICAL GEOMETRY HORIZONTAL GEOMETRY DATUM RL43 DESIGN CENTRELINE

EXISTING SURFACE

CHAINAGE





 MELWAYS REF
 PROJECT / DRAWING No.

 359 F9
 2360E-02-06

SHEET No. 06 of 17

REVISION

	16m ►
	0.05m 1.5m 2.8m 0.6m 3.2m 3.2m 0.6m 2.5m 1.5m 0.05m 600 B2
	- 1 in 50 - 1 in 30 - 1
ATUM45.0 <u>ESIGN SURFACE</u>	466.60 466.60 466.60 466.60 466.60 466.48 466.60 466.48 466.60 466.48 466.60 466.48 466.60 466.48
XISTING SURFACE	46.50 46.50 46.50 46.55 46.55 46.50 46.55 46.50 46.50 46.50 46.50 46.50 46.50
 FFSET	-8.15 -6.60 -6.60 -6.60 -6.60 -7.85 -3.20 -6.60 -7.85 -7.85
	RTPCH 356.76
DATUM46.0	
DESIGN SURFACE	33 33 96 98 33 34 46.5 46.5 34 46.7 46.5 46.5 34 46.7 46.9 46.5 35 46.7 46.9 46.5
	880 30 80 50 50 102 46.5 880 30 80 50 102 46.5 880 30 46.5 880 30 46.5 890 30 46.5 800 30 50 50 800 50 50 800 50 50 800 50 50 800 50 50 800 50 50 800 50 80
OFFSET	
	RTPCH 333.16
	- 1 in 50 1 in 30 - 1 in 50 - 1 in
DATUM46.0	
	887 877 447. 877 466. 90 467. 467. 467. 467. 467. 467. 467. 467.
	880 646 646 646 646 646 646 647 647
	CH 331.46
	1 in 50 1 in 20 1 in 50
DATUM46.0	
DESIGN SURFACE	47.22 47.19 47.09 47.09 47.09 47.09 47.09 47.09 47.09 47.09 47.09
EXISTING SURFACE	47.21 47.21 47.15 47.15 47.15 47.10 47.10 47.10 47.07 47.07
OFFSET	
	CH 318.96
	- 1 in 50 1 in 30 - 1 in 30 - 1 in 30 - 1 in 30 - 1 in 50 - 1 in 30 - 1 in 50 - 1 in 30 - 1 in 50 - 1 in
DATUM46.0	
	33 33 41 47 239 32 47 47 229 47 47 47
	15 15 15 15 10 47 20 47 88 47 88 47
UFFSEI	

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.

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.





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



TITLE DRAFTER DESIGNER CHECKED AUTHORISE REFEREN

AS CONSTRUCTED

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	 1 in 50) <u>1 in 30</u>	Τ		1 in 30	
DATUM45.0	E					
DESIGN SURFACE	46.21 - 46.20 -	46.17 -	46.08-	45.97 -		46.08 -
EXISTING SURFACE	46.02 46.02	45.97	45.94	45.94		45.94
OFFSET	-8.15 -8.10	-6.60	-3.80	-3.20		0.00

RTPCH 420.59

DATUM45 0	В В	1 in 50	<u> </u>	<u>1 in 30</u>	1 in 30		
DESIGN SURFACE	46.26 16.26	46.23	46.14 -	46.03	46.13	40.03	46.22 46.25 46.25
EXISTING SURFACE	46.01 10.01	46.01	46.00	46.00	45.97	45.94	45.91 45.90 45.90
OFFSET	άα τος	-0.10	-3.80	-3.20	0.00	3.80	6.30 7.85 7.85

CH 409.46

	B B	1 in 50	1 in 30		<u>1 in 30</u> <u>1 in 30</u>		1 in 30	1 in 50	RBL	
DATUM45.0 DESIGN SURFACE	46.33	46.33	46.21	46.10	46.20	46.10	46.21	46.29	46.32	
EXISTING SURFACE	46.15	46.15 46.15	46.13	46.12	46.09	46.06	46.05	46.02	46.00 46.00	
OFFSET	ල .1 ව	-8.10 -6.60	-3.80	-3.20	00.0	3.20	3.80	6.30	7.80 7.85	

CH 395.46

	 1 in 50) <u>1 in 30</u>		1 in 30	<u>1 in 30</u>		1 in 30	<u>1 in 5</u>	50 X	
OATUM45.0 DESIGN SURFACE	46.39 46.39 46.39	46.36	46.27	46.16	46.27	46.16	46.27	46.35	46.38 46.38	
XISTING SURFACE	46.27 46.27	46.26	46.23	46.22	46.19	46.16	46.16	46.14	46.14 46.14	
OFFSET	-8.15 -8.10	-6.60	-3.80	-3.20	0.00	3.20	3.80	6.30	7.80 7.85	

CH 382.96

		<u>1 in 50</u>	<u>1 in 30</u>		<u> </u>	
ΟΔΤΙΙΜ45 Ο	الله الله					
DESIGN SURFACE	 	46.46	4 0 0	46.34	46.23	46.34
EXISTING SURFACE	16.15 16.15	46.45	04.04	46.39	46.38	46.34
OFFSET	a 4	-8.10	00.0-	-3.80	-3.20	0.00

CH 370.46

	NAME	
	S.Sathasivam	
	J.Chen	
	E.Wang	
ED	B.Sanderson	0 1 2
E No. 1		0 0.5 1
E No. 2		Scale H1:100, V1:50 SCALE AS SHOWN AT A1







STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE





 MELWAYS REF
 PROJECT / DRAWING No.

 359 F9
 2360E-02-07

Marigold - Stage 2 Wyndham City Council Road and Drainage Cross Sections: Cherish Drive

 $\begin{array}{c|c} \text{SHEET No.} & \text{REVISION} \\ 07 \text{ of } 17 & 1 \end{array}$



STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

	-				16m				
	<u>0.05m</u>	1.5m	2.5m 0.6n	3.2m	3.2m	0.6m 2.8m	1.5n	n 0.05m	
=		1 in 50	1 in 30	— — † in 30 —	 1 in 30	I _{B2} I 1 in_30	<u>1 in 5</u>	50	
	EB							RBL	
	2828	3.55	3.47	00.0	3.46	3.36	3.56	222	
	47 747 47 48	49 48	.51	<u>.</u> 	.54 48	.56 48	.59 46		
	885 48 80 48	30 48	80	0 + 	00 48	80 48	60 48	10 48	
OFFSET		မှ	ကို ပ	·;	o		Ö	<u></u> ద్దర్గ	
				CH	173.65				
_		1 in 50	1 in 30	1 in 30	1 in 30	1 in 30	1 in 5	<u>;0</u>	
	[BI							RBL	
DATUM47.0 DESIGN SURFACE	848 53.53 (1	48.50	48.42	- ? ?	48.42	48.31	48.51	48.54	
EXISTING SUBFACE	5 5 5 50 5 50	8.29		20.0	-9.35 	8. 33 9. 39	.8.41	8.43 8.43	
	7 80 7 85 7 85	6.30 4	3.80	2 2 2	00.00	3.20 4	9.60	8.10	
		т 			H 163 80		_		
					11 105.00				
=		1 in 50	<u>1 in 30</u>	<u> </u>	1 <u>in 30</u>	<u>1 in 30</u>	1 in 5	<u>,0</u>	
	EB							RBL	
DESIGN SURFACE	48.61 1 + 18.61 1 + 19.61	48.58	48.50	0.00 0.00	48.49	48.39 - 48.50 - 48.50 -	48.59	48.62	
EXISTING SURFACE	48 46 48,46	48.46	48.46	4 0 0	48.47	48.48 48.49	48.50	48.51	
	-7.85 -7.80	-6.30	-3.80	D7.6-	00.0	3.20	6.60	8.10	
				LTPC	H 140.20				
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_				— — 1 in 30 - —	1 in 3 0			<u> </u>	
DATUM47.0	Ē								
DESIGN SURFACE	48 57 7	48.54	48.45	4 0	48.45	48.34	48.55	48.58	
EXISTING SURFACE	48.45 48.45	48.45	48.47	74.00	48.48	48.50	48.51	48.52	
OFFSET	-7,85 -7,85	-6.30	-3.80	07.6-	0.00	3.20 3.80	6.60	8.10 8.15	
				СН	131.15				
_		1 in 50	<u> </u>	<u> </u>	<u> </u>	— — 1 in 30	<u>1 in 5</u>	50	
				1 11 30	1 11 30				
	B							ZBL	
		.47	33	07.		33	.48	251	
	449 49 488	50 48	51 48		51 48	52 48	53 48	53 48	
	8885 8085 4 4 8088	30 48.	80	2 2 2 2		80 48.	50 48.	15 48.	
OFFSET		Ģ	ri c		0.0	ск. К. К.	6.(<u></u>	
				CH	118.65				RI
AS CONSTRUCTED PLANS	drawings to show significant	Al	l setting out should be standard drawings or a	carried out in accordanc s nominated on hard cor	e with MPA/Council's by plans provided by	TITLE	N	AME	
changes which occurred during construction. Note that the levels sh levels, and have not been verified by survey. All information shown of	own on these plans are design n these plans should be verified	SI	MEC. Any digital inform	nation supplied by this of should be discussed wit	ffice is for information h the superintendent.	DESIGNER	S. J.(Sathasivam	
on site. SMEC Australia Pty Ltd accept no responsibility for loss of inappropriate usage of these plans.	r damages resulting from the	then the second	anagement to	A A A A A A A A A A A A A A A A A A A	Eental Management		<u> </u>	Wang Sanderson	n 1
AS CONSTRUC	TED	ď			vijnu3	REFERENCE No. 1	D.		0 0.5 Scale H1:1
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า	0 1 2	4
	0 0.5 1 Scale H1:100, V1:50 SCALE AS SHOWN AT A1	2







REJOICE STREET CROSS SECTIONS

OFFSET

DATUM47.0

DESIGN SURFACE

EXISTING SURFACE

DATUM47.0

OFFSET

DESIGN SURFACE

EXISTING SURFACE

____ ___ ___ ___







CH 192.92 1 in 30 1 in 30

48.55 -48.44 -

48.49 48.49

-3.80 -3.20

48.51 48.40

48.50 48.51

-3.80 -3.20

		1 in 50 1	in 30 1 in 30	1 in1	301 in 30	1 in 50	
/47.0 N SURFACE	LBL 166	48.68	48.56	48.56	48.45	48.65	48.68 RBL
NG SURFACE		48.46	48.48 48.49	48.52	48.54 48.55	48.57	48.58
 :T	C c o	-6.45	-3.80 -3.20	0.00	3.20 3.80	6.45 7.95	200 .œ

SPREE STREET CROSS SECTIONS

55

48

52

0.00

CH 190.65

48.51

48.53

0.00

CH 182.15

<u>1 in 30</u>

18.

			1 11 30			1 in 30		1 in <u>30</u>	_
				t					
	BL								
DATUM47.0									
DESIGN SURFACE	48.68 48.68	48.65 -		48.56 -	48.45		48.56		48.45
EXISTING SURFACE	48.44 48.44	48.46		48.48	48.49		48.52		48.54
OFFSET	-8.00 -7.95	-6.45		-3.80	-3.20		0.00		3.20

1 in 50

48.67 48.67

48.45 48.45

-7.85 -7.80 -6.30

1 in 50

48.63 48.62

48.47 48.47

-7.85 -7.80

32

48.

.48

48.

-6.30

1 in 30

48.64

48.47

16m						
3.2m	0.6m 600 B2	2.8m	1.5	m 0.05	<u>5m</u>	
1 in 30		1 in 30	1 in	50 Second second		
	46.70		46.91	46.94		
40.05	46.62 46.63		46.67	46.69 46.69		
0.00	3.20 3.80		6.60	8.10 8.15		

CH 39.85

1 in 26 7	1 in 30	1 in 50	
40.77	46.76	46.85 46.88 46.88 46.88	
0.04 07.07	46.71	46.75 46.77 46.77	
00.00	3.80	6.60 8.10 8.15	2

TPCH 11.80

1 in 30	<u>1 in 30</u>	1 in 50	
48.44 -	48.55	48.65 - 48.68 -	48.68
48.55	48.55	48.57	48.58
3.20	3.80	6.60 8.10	97 20 20

1 in 3 0	<u>1 in 30</u>	<u>1 in 50</u>	KBL	
48.40 -	48.51-	48.60	48.63 - 48.64 -	
48.56	48.56	48.58	48.59 48.59	
3.20	3.80	6.60	8.10	

•	Marigold - Stage 2							
	Wyndham City Council							
77		Road and Drainage						
<u>//</u>		Cross Sections: Rejoice St	reet					
_	& Spree Street							
	MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION				
	359 F9	2360E-02-08	08 of 17	1				

			16m			
	0.05m	2.5m 0.6m	3.2m 3.2	2m 0.6m 2.8	m <u>1.5m 0.05m</u>	
	1 in 50	1_in_30	<u>-+in-30</u> 1 ir	B2 1	30 1 in 50	
	B				KBI (
	3.33	3.24	3.24	3.13	3.37	
	27 27 48 31 48	32 48	27 46	22 48	14 11 100 48 48 48	
	055 055 055 055 055 055 055 055 055 055	.0 48.	0		50 00 4 4 88 4 88 5 90	DA1
OFFSET	8. 2- 1.8 2. 3- 2.3	-3.8 -3.2	0.0	3.2 3.8		
			CH 71.85			EXI
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DESIGN SURFACE	3 48.2 48.2 48.2	3 48.3	9 48.3	48.2	4 48.2	
	48.18 48.18 48.20	48.18 48.18	48.19	48.17	48.14 48.13 48.13	
OFFSET	-7.85 -7.80 -6.30	-3.80 -3.20	0.00	3.20	6.60 8.15 8.15	DAT
			CH 59.35			
						EXI
	1 in 50	1 in 30	1 in 30 1 ir	<u>1 301 in</u>	30 1 in 50	OFF
	B				盟	
DATUM47.0		8.47	8.46	8.36	888 820 8720 8720 8720 8720	
	76 4	1.65 4 1.65 4	.57 4		.48	DA1
	48 48 30 80 48 48	20 48	00 48	20 48 30 48	15 48	<u>DES</u>
OFFSET	9- 12- 12-	ę, ę,	0.0	e e	ග් හිත	EXI
			CH 46.85			 OFF
	1 in 50	1 in 30	1 in 30 1 ir	<u>.</u>	30 1 in 50	
DATUM47.0	B				肥	
DESIGN SURFACE	48.69 - 48.69 - 48.66 -	48.57 - 48.46 -	48.57 -	48.46 - 48.57 -	48.67 - 48.70 - 48.70 -	DAT
EXISTING SURFACE	48.05 48.05 48.23	48.47	48.75	48.71	48.26 48.27 48.26	DES
		3.20	0.00	3.20 3.80	8. 6.60 8.10 8.15	EXI
			СН 32 85			OFF
			011 52.05			
	1 in 50	1 in 30	<u>1 in 30</u> 1 ir	<u>1 301 in</u>	30 1 in 50	
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	47 48 46 48 46 48 46 48 48 48 48 48 48 48 48 48 48 48 48 48	46 48	46 48	46 48 48 48	37 48 48	<u>Des</u>
	25 26 48, 48, 48, 48, 48,	0 48.	0 48.	0 48.	50 0 54 48. 58.	EXI
OFFSET	-7.8 -7.8 -6.3	-3.8 -3.2	0.0	3.2	6. 6 8.8 8.5	OFF
			TPCH 11.80			
AS CONSTRUCTED DI ANS	1	All setting out should be ca	rried out in accordance with MP/	VCouncil's TITLE	NAME	
The purpose of these as-constructed plans is to update the design drawings to s changes which occurred during construction. Note that the levels shown on these	show significant plans are design	standard drawings or as n SMEC. Any digital informat	ominated on hard copy plans pro ion supplied by this office is for i	ovided by DRAFTER	S.Sathasivam	
levels, and have not been verified by survey. All information shown on these plans on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages res	should be verified	only. Any discrepancies sh	ould be discussed with the super	nintendent. DESIGNER	J.Chen E Wang	
inappropriate usage of these plans.	"Unally"	CHS NO CHS	As and the state		D B.Sanderson	0 1 2
AS CONSTRUCTED	CI	obal-Mark.com.au [®]	bal-Mark.com.au [®] Global M	ark.com.au® REFERENC	E No. 1	0 0.5 1 2 Scale H1:100, V1:50 SCALE AS SHOWN AT A1

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		CH 92.85
DATUM47.0 DESIGN SURFACE EXISTING SURFACE	1 in 50 1 in 30 1 i	48.21 48.22 48.15 48.14 48.14 48.14 48.14 48.14 48.14 48.13 48.13 48.13 48.13 48.14 48.14 48.14 48.13 48.13 48.13 48.14 48.14 48.13 48.14 48.15 48.14 48.14 48.15 48.14 48.14 48.15 48.14
OFFSET		-3.80 -3.20 0.00 3.20 3.80
		CH 82.35
	Member of the Surbana Jurong G C ABN 47 065 475 149	Group

GROWL



		47 47	47	48 48	47	47 47	47	47			
OFFSET		-7.85 -7.80	-6.30	-3.80 -3.20	0.00	3.20 3.80	6.60	8.10 .15			
	CH 105.35										
		1 in 5	0 <u>1 in 30</u>	<u> </u>	301 in 30	1 in 30	1 in 5	50			
		[B]									
DATUM47.0	F										
DESIGN SURFACE		48.17 48.17	48.14	48.05 47.94	48.05	47.94 48.05	48.15	48.18 48.18			
EXISTING SURFACE		48.02 48.02	48.04	48.07 48.08	48.07	48.05 48.04	47.99	47.94 47.94			
OFFSET		-7.85 -7.80	-6.30	-3.80 -3.20	0.00	3.20 3.80	6.60	8.15 8.15			
					CH 92.85						

		n 50	_1 in 30	1 in 30 1 in	<u>30 1 in 30</u>	0 1 in 50	
DATUM47.0 DESIGN SURFACE	48.05 LB	48.02	47.94	47.94	47.83	48.03	85.06 80.06 RI
EXISTING SURFACE	47.99 47.99	47.99	48.08 48.05	47.92	47.82 47.81	47.73	47.69
OFFSET	-7.85 -7.80	-6.30	-3.80	00.00	3.20	6.60	000 500

CH 119.35

		1 in 50	1_in_30		- <u> </u>		1 in 30	1 in 50	
				1 11 30	11130		\square		
	ъ								381
DATUM46.0							-		5
DESIGN SURFACE	47 88	47.88	47.77	47.66	47.76	47.66	47.77	47.86	47.89 47.89
EXISTING SURFACE	47.87	47.87	47.87	47.88	47.88	47.80	47.78	47.70	47.65 47.65 65
	- 7 85 - 7	-7.80 -6.30	-3.80	-3.20	0.00	3.20	3.80	6.60	88. 15 15

	<u>-1 in 50</u>	<u> </u>		1 in 30	1 in 30	1 in <u>30</u>	1 in 50	
DATUM46.0 DESIGN SURFACE		17.68	17.60	17.49	17.49	17.60	17.72 17.72 RE	
EXISTING SURFACE	47.82 47.82	47.80	47.78	47.77 4	47.69	47.58	47.54 47	
OFFSET	-7.85 -7.80	-6.30	-3.80	-3.20 0.00	3.20	3.80 66 7	8.10 8.15	
				CH 13 ⁻	1.85			

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

		Marigold - Stage 2								
	Wyndham City Council									
77	Řoad and Drainage									
<u> </u>		Cross Sections: Feast Wa	ay							
_		Ch 11.80 - Ch 131.85	•							
AND	MELWAYS REF	PROJECT / DRAWING No. 2360E-02-09	SHEET No. 09 of 17	REVISION						

	1 in 30	1 in 50		
		XXX		
			RBL	
48.04 - 48.15 -		40.04 70.01	48.27 - 48.27 -	
48.14 48.13	10 05	40.00 00 11	47.99	
3.20 3.80	C U U	0.00	8.15	

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

						16m					
		<u>0.0</u>	5m 1.5		2.5m 0.6m 600 82	3.2m	3.2m 0.6m	2.8m	1.5n	0.05m	
			<u>1_in.</u>	_50	<u>+in 30</u>	1 in 30	1 in 30	1 in 30	1 in 5		
	DATUM45.0				2 20	6		 ۍ		22 25	
	DESIGN SURFACE		5 46.9	3 46.8	1 46.7 0 46.6	5 46.7		40.7	1 46.8	66 46 66 66	
	EXISTING SURFACE		5 46.9 0 46.9	0 46.9	0 46.9	0 47.2	0 47.3 1,2,3	0 . 74 	0 47.3	6 47.2	
	OFFSET		-7.8			0. 0		ν. Φ.	0.9	<u>~~</u>	
						CH 191	.85				
			<u> </u>	50	1-in 30	1 in 30	1 in 30	1 in 30	1 in 5	50 	
			_			1 11 30				록	
	DATUM46.0					8	28		8		
	DESIGN SURFACE		4 47.1	0 47.0	6 46.9 46.8	1 46.9		40. 	8 47.C	86 47.1 66 47.1	
	EXISTING SURFACE		5 47.1 5 47.1	0 47.1	0 47.2 0 47.2	2 47.0	46.9	0 0 0 7	0 46.8	46.8 46.8 .05	
	OFFSET		-7.8(-6.3	-3.20	0.00	3.20	ς. Ο	6.61	<u></u>	
						CH 177	'.85				
			1 in	50	1 in 30		1 in 3 0	1 in 30	1 in 5	i0	
	DATUM46.0										
	DESIGN SURFACE		47.26	47.23	47.15 47.04	47.15	47.04	47.15	47.24	47.27 47.27	
	EXISTING SURFACE		47.12 47.12	47.13	47.14 47.17	47.26	47.16	cl/4	47.12	47.09 47.09	
	OFFSET		-7.85 -7.80	-6.30	-3.80	00.0	3.20	3.80	6.60	8.15 8.15	
						CH 165	5.35				
			1 in	50	<u>1 in 30</u>	— — <u>Tin 30 — —</u>	1 in 30	1 in 30	1 in 5	i0	
										× – – – – –	
			EI							RBL	
	DA 1 010140.0										
	DESIGN SURFACE		47.40	47.37	47.29 - 47.18 -	47.29	47.18	- 67. 14	47.38	47.41	
	DESIGN SURFACE EXISTING SURFACE		47.29 47.40 47.29 47.40	47.30 47.37	47.32 47.29 47.32 47.29	47.44 47.29	47.37 47.18	- 62. 14 - 62. 14	47.21 47.38	47.15 47.41	
	DESIGN SURFACE EXISTING SURFACE OFFSET		-7.85 47.29 47.40	-6.30 47.30 47.37	-3.20 47.32 47.29	0.00 47.44 47.29	3.20 47.37 47.18		6.60 47.21 47.38	8.10 47.15 47.41	
	DESIGN SURFACE		-7.85 47.29 47.40 -7.80 47.29 47.40	-6.30 47.30 47.37	-3.80 47.32 47.29 -3.20 47.32 47.18	-67.74 62.74 CH 124	3.20 47.37 47.18	3.80 41.34 41.29	6.60 47.21 47.38	8.10 47.15 47.41	
	DESIGN SURFACE		-7.85 47.29 47.40 -7.80 47.29 47.40	5 -6.30 47.30 47.37	-3.80 47.32 47.29 -3.20 47.32 47.18	-62.74 62.74 62.74 62.74	3.20 47.37 47.18	3.80 41.34 41.29	6.60 47.21 47.38	8.10 47.15 47.41	
	DESIGN SURFACE EXISTING SURFACE OFFSET		-7.85 47.29 47.40 -7.80 47.29 47.40	-6.30 47.30 47.37		-62.74 44.25 T in 30	320 41.18 1 in 30	1 in 30	6.60 47.21 47.38	8.10 47.15 47.41 8.15 47.14 47.41 8.15 47.14	
	DESIGN SURFACE EXISTING SURFACE OFFSET		-7.85 47.29 47.40 -7.80 47.29 47.40	-6.30 47.30 47.37		-67.74 -1 in 30 	41.32 1 in 30 1 in 30	1 in 30	6.60 47.21 47.38	8.10 47.15 47.41 8.15 47.41 47.41 8.15 47.14 47.41	
	DESIGN SURFACE EXISTING SURFACE OFFSET DATUM46.0		LBL -7.85 47.29 47.40 -7.80 47.29 47.40	-6.30 47.30 47.37	3 	-67.74 	1 in 30	1 in 30	2 6.60 47.21 47.38	6 RBL 6 8.10 47.15 47.41 8.15 47.41 47.41 47.41	
	DESIGN SURFACE EXISTING SURFACE OFFSET DATUM46.0 DESIGN SURFACE		0 47.55 LBL -7.85 47.29 47.40	8 47.51 -6.30 47.30 47.37	6 47.43 7 47.32 7 47.32 47.32 47.32 47.89	CH 15 ⁴	47.32 1 in 30 47.37 1 20 47.37 1 18 1 19 1 10 1 10	1 in 30	7 47.52 6.60 47.21 47.38	5 47.41 47.55 A7.41 47.45 8.15 47.41 47.41 47.41 47.41	
	DESIGN SURFACE EXISTING SURFACE OFFSET DATUM46.0 DESIGN SURFACE EXISTING SURFACE		47.40 47.40 47.55 LBL -7.85 47.29 47.40 47.40 47.54 -7.80 47.29 47.40) 47.48 47.51 -6.30 47.37 -6.30 47.37	1 47.56 47.43	-62.74 47.62 47.62 00.0 CH 127	47.53 47.32 47.32 47.37 47.18 47.18	1 in 30	0 47.27 47.52 6.60 47.21 47.38	47.15 47.55 8.10 47.15 47.41 8.15 47.41 8.15 47.41 47.41 47.41 47.41	
	DESIGN SURFACE EXISTING SURFACE OFFSET DATUM46.0 DESIGN SURFACE EXISTING SURFACE OFFSET		-7.85 47.40 47.55 LBL -7.85 47.29 47.40	-6.30 47.48 47.51 -6.30 47.37 47.37	-3.20 47.56 47.43	0:00 CH 154	3.20 47.53 47.32 3.20 47.53 47.32 3.20 47.37 47.18	5.80 41.43 41.43 1 in 30 1 in 30	6.60 47.27 47.52 6.60 47.21 47.38	8.10 47.15 47.15 47.45 47.41 58.10 47.15 47.41 88.15 47.41 47.41 47.41 47.41	
	DESIGN SURFACE EXISTING SURFACE OFFSET DATUM46.0 DESIGN SURFACE EXISTING SURFACE OFFSET		-7.85 47.40 47.55 LBL -7.85 47.29 47.40	-6.30 47.48 47.51 -6.30 47.37 -6.30 47.37	-3.20 47.56 47.43	67.74 77.74 77	47.37 1 in 30 1 in	5.00 41.43 41.43 1 in 30 1 in 30	6.60 47.27 47.52 6.60 47.21 47.38	8.10 47.15 47.15 47.45 47.41 8.15 47.41 8.15 47.41 8.15 47.41 47.41 47.41	
	DESIGN SURFACE EXISTING SURFACE OFFSET DATUM46.0 DESIGN SURFACE EXISTING SURFACE OFFSET		-7.85 47.40 47.55 LBL -7.85 47.29 47.40 -7.85 47.29 47.40 -7.85 47.29 47.40	-6.30 47.48 47.51 -6.30 47.30 47.37	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	67.74 47.65 47.74 60.0 CH 154 00.0 CH 154 00.0 CH 144	1.85 3.30 41.32 1.35 4.131 1.19	0:00 41.44 41.45 11.05 12.00 41.44 41.24 41.29	6.60 47.27 47.52 6.60 47.21 47.38	8.10 47.15 47.55 RBL 8.10 47.15 47.41 8.10 47.15 47.41 8.15 47.41 47.41 47.41	
	DESIGN SURFACE EXISTING SURFACE OFFSET DATUM46.0 DESIGN SURFACE EXISTING SURFACE OFFSET		$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-6.30 47.51 1 1 -6.30 47.30 47.37	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-67.74 47.75 	41.32 3.20 41.32 41.32 41.35	5.00 41.45 41.45 11.30 14.14 41.29	6.60 47.27 47.52 6.60 47.21 47.38	8.10 47.15 47.55 RBL 8.10 47.15 47.41 47.56 RBL 8.15 47.41 47.41 47.41	FEAST W
	DESIGN SURFACE EXISTING SURFACE OFFSET DATUM46.0 DESIGN SURFACE EXISTING SURFACE OFFSET		$\begin{array}{c c c c c c c c c c c c c c c c c c c $	-6.30 47.48 47.51 -6.30 47.30 47.37 -6.30 47.37	-3.20 47.57 47.32 47.32 47.18 -3.20 47.32 47.32 47.18	62.14 47.15 00 00 00 00 00 00 00 00 00 0	4.85 1 in 30 25 24.35 1 in 30 25 25 25 25 25 25 25 25 25 25	1 in 30 1 in 30 1 in 30 1 in 30 1 in 30	6.60 47.27 47.52 6.60 47.21 47.38	8.10 47.15 47.55 8.10 47.15 47.41 8.15 47.41 8.15 47.41 47.56 RBL 8.15 47.41 47.56 RBL 8.15 47.41 47.56 RBL 8.15 8.15 8.15 8.15 8.15 8.15 8.15 8.15	FEAST W
The purpose of these as-co changes which occurred during	DESIGN SURFACE EXISTING SURFACE OFFSET DATUM46.0 DESIGN SURFACE EXISTING SURFACE OFFSET		-7.85 47.40 47.55 LBL -7.85 47.40 47.59 47.40 -7.85 47.29 47.40 -7.85 17.60 47.29 47.40 -7.85 17.40 -7	-6.30 47.48 47.51 -6.30 47.30 47.31	All setting out should 3.20 47.57 47.32 47.30 -3.20 47.32 47.32 47.39 -3.20 47.32 47.32 47.18	CH 154	4.85 Ce with MPA/Council's py plans provided by office is for information th the superintendent	1 in 30 1 in 30 24:14 R4:14	6.60 47.27 47.52 6.60 47.21 47.38	NAME S.Sathasivam	FEAST W
The purpose of these as-co changes which occurred during levels, and have not been veri- on site. SMEC Australia Pty	DESIGN SURFACE EXISTING SURFACE OFFSET DATUM46.0 DESIGN SURFACE EXISTING SURFACE OFFSET AS CONSTRUCTED P nstructed plans is to update th ng construction. Note that the fied by survey. All information y Ltd accept no responsibility for	LANS e design drawings to show s evels shown on these plans shown on these plans	idilication from the formula for the formula f	-6.30 47.48 47.51 -6.30 47.30 47.31 -6.30 47.30 47.37	All setting out should standard drawings SMEC. Any discrepanie SMEC. Any discrepanie agement wareagement wareagement standard strangement standard standard strangement standard standard standard strangement standard standard	CH 154	4.85 Ce with MPA/Council's py plans provided by office is for information th the superintendent.	1 in 30 1 in 30 7+7+ R+7+	6.60 47.27 47.52 6.60 47.21 47.38	NAME S.Sathasivam J.Chen E.Wang	FEAST W
The purpose of these as-co changes which occurred duri levels, and have not been ver on site. SMEC Australia Pt	DESIGN SURFACE EXISTING SURFACE OFFSET DATUM46.0 DESIGN SURFACE EXISTING SURFACE OFFSET OFFSET	LANS e design drawings to show silevels shown on these plans shown on these plans should or loss or damages resulting e plans.	ignificant are design l be verified from the	-6.30 47.48 47.51 -6.30 47.48 47.51 -6.30 47.30 47.37	All setting out should standard drawings SMEC. Any distrepan	d be carried out in accordan or as nominated on hard co cles should be discussed w	4.85 1 in 30 Ce with MPA/Council's py plans provided by office is for information ith the superintendent.	1 in 30 1 in 50 1 i	6.60 47.27 47.52 6.60 47.21 47.38	NAME NAME S.Sathasivam J.Chen E.Wang B.Sanderson	FEAST W

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SMEC

CH 202.56

FEAST WAY





		RBL	
46.54 - 46.65 -	46.74 -	46.77 - 46.78 -	
46.80 46.79	46.76	46.75 46.75	
3.20	6.60	8.10 8.15	

	— <u> </u>	1 in 50		
			RBL	
46.54	46.65 -	46.74	46.77	
46.80	46.79	46.76	46.75 46.75	
3.20	3.80	6.60	8.10	

KEEPING TERRACE





CONNECT TO EXISTING ENDPIPE

PIPE CLASS

GRADE

DATUM

DESIGN FLOW (m3/s) CAPACITY (m3/s)

AT GRADE VELOCITY (m/s)

NOMINAL PIPE SIZE (mm)

DEPTH TO INVERT

INVERT LEVEL

CHAINAGE

(Reach Length)

HYDRAULIC GRADE LINE

FINISHED SURFACE LEVELS

EXISTING SURFACE LEVEL

(tp)

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.

3 4

3 2

(38)







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CLASS 2

0.077

- 1.57 —

300Ø

— 1 in 99.9 —

(50.26)

< 39.0

1.88

44.78 **44.78**

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	NAME	
	S.Sathasivam	
	J.Chen	
	E.Wang	
ED	B.Sanderson	0
E No. 1		0
E No. 2		Scale









		Marigold - Stage 2									
		Wyndham City Council									
7		Road and Drainage Drainage Longitudinal Sections - 1									
AND	MELWAYS REF	PROJECT / DRAWING No. 2360E-02-11	SHEET No. 11 of 17	REVISIO							



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

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.



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TITLE

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	NAME				
	S.Sathasivam				
R	J.Chen				
	E.Wang				
SED	B.Sanderson	0	5	10	20
CE No. 1		0	0.5	1	2
CE No. 2		SCAL	E AS SHC	0, V 1.50 WN AT A1	





()))	CRUSHED ROCK BACKFILL
$\langle / / / \rangle$	CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE
$\langle / / / \rangle$	WITH WYNDHAM CITY COUNCIL STANDARDS & SPECIFICATION CLASS 2
	UNDER ROAD PAVEMENT & CLASS 3 BEHIND KERB



 MELWAYS REF
 PROJECT / DRAWING No.

 359 F9
 2360E-02-12

	SHEET № 12

SHEET NO. REVISION 2

			64	6	- 5
				FEAST WAY	
	CRB CH0	CONNECT TO EX	ISTING ENDPIPE		
PIPE CLASS		CLASS 2	CL4	ASS 2	
DESIGN FLOW (m3/s) CAPACITY (m3/s) AT GRADE VELOCITY (m/s) NOMINAL PIPE SIZE (mm)		<u> </u>	0. 0. 1 30	035 > 111 > .57	Y Y
GRADE			1 ir	n 100>	
DEPTH TO INVERT	2.21	2.21 2.18 2.18 2.18	40.0 £ č	1.81	1 76
HYDRAULIC GRADE LINE	46.78	46.82	46.86	46.93	10.05
INVERT LEVEL	46.19	46.19 46.33	46.38	46.63	10.00
FINISHED SURFACE LEVELS	48.41	48.51		48.44	
EXISTING SURFACE LEVEL	48.51	48.46		48.35	F
CHAINAGE	0.00	21.05		45.65	F
L (Reach Length)		(21.05)	(24	4.60)	ــ

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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All setting out should be carried out in accorda	nce with MPA/Council's	TITLE	NAME	\square
standard drawings or as nominated on hard c SMEC. Any digital information supplied by this	opy plans provided by office is for information	DRAFTER	S.Sathasivam	
only. Any discrepancies should be discussed v	vith the superintendent.	DESIGNER	J.Chen	
Management. in anagement. As 12	ental Management	CHECKED	E.Wang	
	10SV	AUTHORISED	B.Sanderson	
	4007 AU	REFERENCE No. 1		
Global-Mark.com.au [®] Global-Mark.com.au [®]	Global-Mark.com.au [®]	REFERENCE No. 2		

5 10 0 0.5 1 2 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 WYNDHAM CITY COUNCIL STANDARDS & SPECIFICATION CLASS 2 UNDER ROAD PAVEMENT & CLASS 3 BEHIND KERB

7		Marigold - Stage 2 Wyndham City Council Road and Drainage Drainage Longitudinal Sectio	ns - 3	
AND	MELWAYS REF	PROJECT / DRAWING No. 2360E-02-13	SHEET NO. 13 of 17	REVISION

		INTE	RNAL	INL	.ET	OUT	LET				
PIT NUMBER	TYPE	WIDTH	LENGTH (mm)	DIAMETER (mm)	INV R.L. (m)	DIAMETER (mm)	INV R.L. (m)	F.S.L.	DEPTH	STANDARD DRAWING	REMARKS
	Ex. END PIPE			300	44.783	300	44.776	46.668	1.892		CONNECT TO EXISTING ENDPIPE
38	SINGLE SIDE ENTRY PIT GRATED	600	900	300	45.336	300	45.286	47.341	2.055	EDCM 601	
				300	45.336						
39	SINGLE SIDE ENTRY PIT GRATED	600	900			300	46.418	48.218	1.8	EDCM 601	
40	SINGLE SIDE ENTRY PIT GRATED	600	900			300	45.678	47.341	1.663	EDCM 601	
	Ex. END PIPE			300	45.016	300	45.016	46.545	1.529		CONNECT TO EXISTING ENDPIPE
43	JUNCTION PIT	600	900	300	46.452	300	46.402	47.579	1.177	EDCM 605	
44	JUNCTION PIT	600	900			300	47.531	48.626	1.095	EDCM 605	
Ex.10		1050	900	450	43.863	825	43.675	46.093	2.418		
				675	43.695						
45	SINGLE SIDE ENTRY PIT GRATED	600	900	375	44.035	450	43.985	46.102	2.117	EDCM 601	
				375	44.035						
46	SINGLE SIDE ENTRY PIT GRATED	600	900	300	44.634	375	44.559	46.485	1.926	EDCM 601	
				300	44.609						
47	SINGLE SIDE ENTRY PIT GRATED	600	900	300	45.075	300	45.025	46.889	1.864	EDCM 601	
48	SINGLE SIDE ENTRY PIT GRATED	600	900			300	45.336	47.344	2.008	EDCM 601	PROVIDE 300 DIA. STUB IN NORTHERN WALL AT IL45.786
49	SINGLE SIDE ENTRY PIT GRATED	600	900	300	44.739	300	44.689	46.796	2.107	EDCM 601	
50	SINGLE SIDE ENTRY PIT GRATED	600	900	300	45.064	300	45.014	46.829	1.815	EDCM 601	PROVIDE 300 DIA. STUB IN WESTERN WALL AT IL45.064
51	SINGLE SIDE ENTRY PIT GRATED	600	900			300	45.166	46.829	1.663	EDCM 601	
52	SINGLE SIDE ENTRY PIT GRATED	600	900	300	44.128	375	44.078	46.102	2.024	EDCM 601	
53	SINGLE SIDE ENTRY PIT GRATED	600	900	300	44.795	300	44.745	46.426	1.681	EDCM 601	
54	SINGLE SIDE ENTRY PIT GRATED	600	900			300	45.701	47.344	1.643	EDCM 601	
	Ex. END PIPE			375	46.194	375	46.194	48.407	2.213		CONNECT TO EXISTING ENDPIPE
64	SINGLE SIDE ENTRY PIT GRATED	900	900	300	46.384	375	46.334	48.512	2.178	EDCM 601	
				300	46.384						
65	DOUBLE SIDE ENTRY PIT GRATED	600	900	300	46.68	300	46.63	48.438	1.808	EDCM 602	
66	END PIPE	600	900			300	46.983	48.586	1.603		
	Ex. END PIPE			300	46.361	300	46.361	48.407	2.046		CONNECT TO EXISTING ENDPIPE
69	DOUBLE SIDE ENTRY PIT GRATED	600	900	300	46.708	300	46.665	48.436	1.771	EDCM 602	
70	SINGLE SIDE ENTRY PIT GRATED	600	900	300	46.896	300	46.846	48.543	1.697	EDCM 601	
						300	46.986	48.586	1.6		PROVIDE ENDPIPE FOR FUTURE CONNECTION
81	SINGLE SIDE ENTRY PIT GRATED	600	900	300	46.48	300	46.43	48.522	2.092	EDCM 601	
82	SINGLE SIDE ENTRY PIT GRATED	600	900	300	46.787	300	46.737	48.331	1.594	EDCM 601	
83	SINGLE SIDE ENTRY PIT GRATED	600	900			300	46.873	48.331	1.458	EDCM 601	

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	NAME	
	S.Sathasivam	
	J.Chen	
	E.Wang	
ED	B.Sanderson	
CE No. 1		
CE No. 2		S







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

-		Marigold - Stage 2		
		Wyndham City Council		
7		Road and Drainage Pit Schedule		
LAND	MELWAYS REF	PROJECT / DRAWING No. 2360E-02-14	SHEET NO. 14 of 17	REVISION 3



	NAME	
	S.Sathasivam	
R	J.Chen	
	E.Wang	
SED	B.Sanderson	0 5
CE No. 1		Scale 1:500
CE No. 2		SCALE AS SHOW



720mm REJOICE STREET (TYPE B)					
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL			
A WEARING COURSE	40	SIZE 14 TYPE N ASPHALT, CLASS 320 BINDER			
B BASE COURSE	40	SIZE 14 TYPE HP ASPHALT, CLASS A10E BINDER			
C SEALING LAYER	10	SIZE 10 SAMI S18RF			
D BONDING LAYER		BITUMINOUS PRIME OR PRIMERSEAL			
E BASE	110	SIZE 20 CLASS 2 FCR, COMPACTED DEPTH. COMPACTED TO A MEAN DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289,5.2.1			
F SUBBASE	270	SIZE 20 CLASS 3 FCR, COMPACTED DEPTH (PLACED IN TWO LAYERS). COMPACTED TO A MEAN DENSITY RATIO OF 97% (MODIFIED) MAXIMUM DRY DENSITY AS1289,5.2.1			
G CAPPING LAYER	250	TYPE A MATERIAL CBR \geq 8%, SWELL \leq 1.5% &PERMEABILITY k \leq 1 x 10 ⁻⁹ m/s SUBGRADE (DESIGN CBR 2%).COMPACTED TO A MINIMUM DENSITY RATIO OF 98%(STANDARD) MAXIMUM DRY DENSITY AS1289,5.1.1			

625mm CHERISH DRIVE & FEAST WAY PAVEMENT COMPOSITION (TYPE A)					
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL			
A WEARING COURSE	30	SIZE 10 TYPE N ASPHALT, CLASS 320 BINDER			
B BASE COURSE	30	SIZE 10 TYPE N ASPHALT, CLASS 320 BINDER			
C SEALING LAYER	10	SIZE 10 SAMI S18RF			
D BONDING LAYER		BITUMINOUS PRIME OR PRIMERSEAL			
E BASE	130	SIZE 20 CLASS 2 FCR, COMPACTED DEPTH. COMPACTED TO A MEAN DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289,5.2.1			
F SUBBASE	175	SIZE 20 CLASS 3 FCR, COMPACTED DEPTH. COMPACTED TO A MEAN DENSITY RATIO OF 97% (MODIFIED) MAXIMUM DRY DENSITY AS1289,5.2.1			
G CAPPING LAYER	250	TYPE A MATERIAL CBR \geq 8%, SWELL \leq 1.5% & PERMEABILITY k \leq 1 x 10 ⁻⁹ m/s SUBGRADE (DESIGN CBR 2%). COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289,5.1.1			

THE PAVEMENT SHOULD COMPRISE ROAD BASE OR SUBBASE QUALITY MATERIALS SPREAD IN LAYERS NOT EXCEEDING 200mm LOOSE LAYER THICKNESS, MOISTURE CONDITIONED TO WITHIN ± 2% MODIFIED OPTIMUM MOISTURE CONTENT (OMC) AND COMPACTED TO A DRY DENSITY RATIO OF 98% MODIFIED, PLACES IN ACCORDANCE WITH VICROADS REQUIREMENT.





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ENSURE DESIGN

NAME N	
S.Sathasivam	// _
J.Chen	K -
E.Wang Member of the Surbana Jurong Group	
B.Sanderson 0 10 20 40 Collins Square, Tower 4 Level 20, 727 Collins St	
No. 1 Scale 1:1000 Melbourne, VIC 3008 C D(
No. 2 SCALE AS SHOWN AT A1	<u>יאר</u>





					Sa	afety in Design						
Project Name:	Design Package:	2360E-02										
Stage 02	Date: 08.11.2018											
PHASE		E RISK REGISTER -	RISK OWNER	POTENTIAL CONSEQUENCES	POTENTIAL ELIMINATION MEASURE, DESIGN INITIATIVE or CONTROL (Identify any Standard or Code of practice used)	HOW ISSUE ADDRESED IN DESIGN AND/OR CONSTRUCTION OF THE WORKS	IS THE RISK ELIMINATED YES/NO	If not elin "Residual Risk Likelihood (0-5) "	inated Score res "Residual Risk Consequence (0-5) "	idual risk "Residual Risk Rating "	RESIDUAL RISK OWNER	
		Road Furniture / Roadside										
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	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	Ν	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	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 Furnitu	re 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	Ν	2	4	8	Road Authority
		Drainage										
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	maintenance crews/ vehicles	Structural design in accordance with relevant design principles.	Refer to structural drawings and calculations	N	1	4	4	Authority
Operational	DR Drainage	Culvert Endwalls/Headwalls	Potential for falling from height	Relevant Authority	Increased potential for accidents	Fencing to be provided where culverts/headwalls are at height in accordance with relevant authority standards	Allow for fencing in Design Process	Ν	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	Provide safe working conditions for maintenance. Provide safe landing/ access arrangements as per relevant authority standards	Where possible design pit in location for easy access and outside of permanent water bodies	Ν	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	Ν	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				Contractor to be certified for work in confined						
Maintenance	SE Sewer	Deep Manholes	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	spaces, landings and step access provided as per authority standards and schedule	Design in accordance with authority standards. Refer pit schedule on drawings	N	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
		Electricity										
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	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	Ν	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	Ν	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	Ν	2	3	6	Authority
		Gas										
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 provided	Ν	1	1	1	Authority

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	NAME
	S.Sathasivam
	J.Chen
	E.Wang
ED	B.Sanderson
E No. 1	
E No. 2	

SCALE AS SHOWN AT A1	





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

Marigold - Stage 2 Wyndham City Council Road and Drainage Safety In Design

SHEET NO. REVISION 17 OF 17 1

 MELWAYS REF
 PROJECT / DRAWING No.

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 2360E-02-85