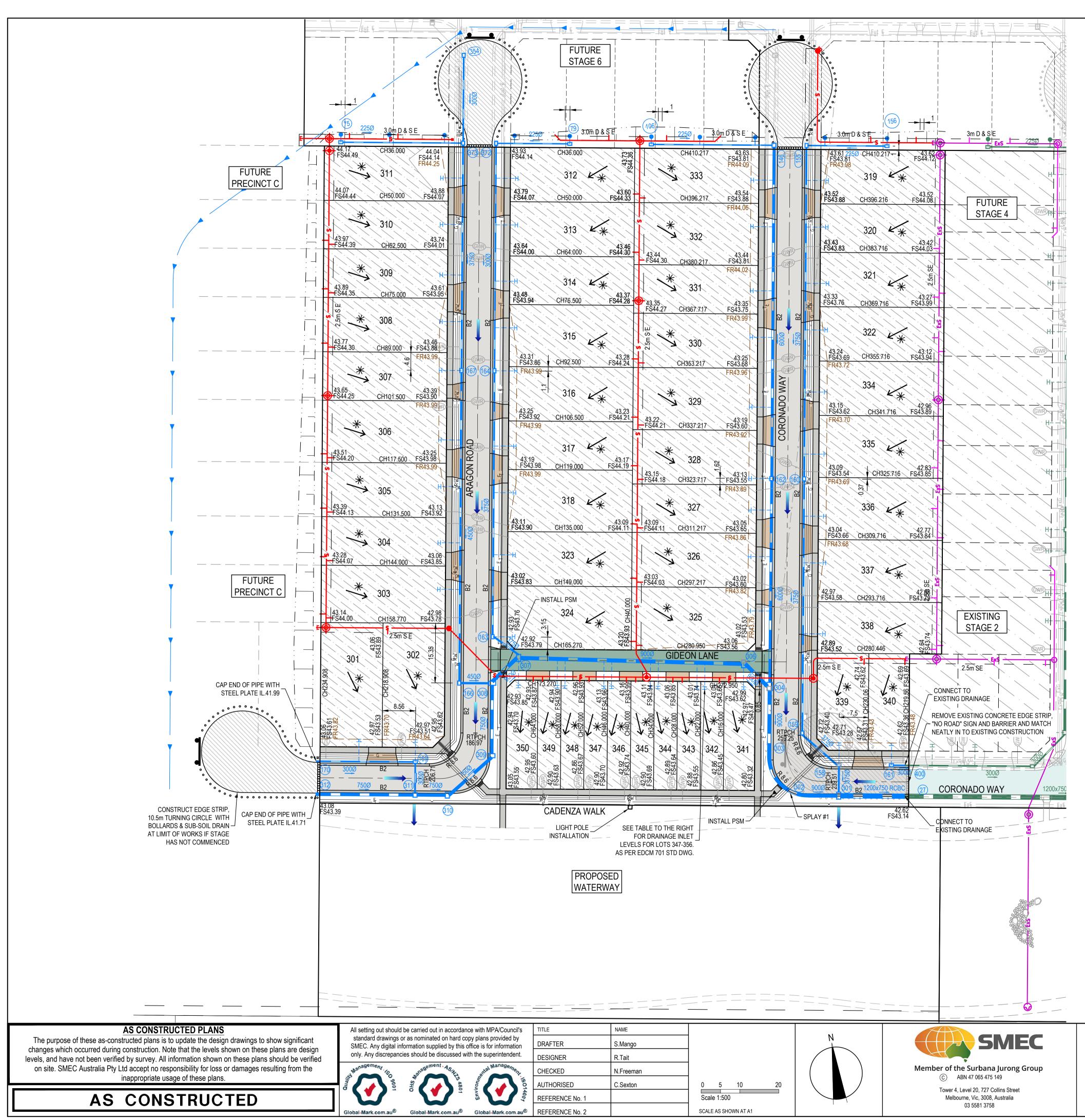


	1.	VERAL NOTES (WYNDHAM CITY COUNCIL) THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDCM ADDENDUM STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
	2.	THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE 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.
		THE CONTRACTOR SHALL:
	3.2.	RULES, AND THE MINES (TRENCHES) REGULATIONS 1982. NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF HIS INTENTION TO COMMENCE TRENCHING
	3.3.	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
	4.	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.
		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 APPROVAL 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. SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL AS PER STANDARD DRAWINGS
		EDCM 202 (EXPANSIVE SUBGRADE). 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). 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
ND		CONSENT OF THE ENGINEER. ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES SHALL BE SURFACED WITH A 100mm MINIMUM TO
TITLE		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. 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 ALL DRAINAGE PIPES ARE CLASS 2 RCP PIPES, RUBBER RING JOINTED UNLESS OTHERWISE SPECIFIED.
		DRAINAGE PITS SHALL BE CAST MONOLITHICALLY. CEMENT RENDER SHALL ONLY BE USED TO REPAIR DEFECTS. BACKFILLING OF TRENCHES WHERE DRAINAGE AND SEWERAGE ARE IN CLOSE PROXIMITY ARE TO BE BACKFILLED
		AS PER WYNDHAM CITY COUNCIL STANDARD DRAWING SD6-10. ALL SERVICING TRENCHES UNDER ROADS, FOOTPATHS, DRIVEWAYS, PARKING BAYS ETC. ARE TO BE BACKFILLED
		WITH CLASS 2 F.C.R. ALL HOUSE DRAIN CONNECTIONS TO BE INSTALLED AT 6m FROM THE LOW SIDE BOUNDARY U.NO.
		INVERT OF PROPERTY INLETS TO BE 500mm MINIMUM BELOW FINISHED SURFACE UNLESS NOTED OTHERWISE. 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
	24.	FRONT OF PATH/BUILDING LINE. ADDITIONAL AND OVER-EXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF THE
	25.	SPECIFICATION. FOOTPATH CROSSFALL TO BE 1:50
		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.
		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.
		INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKER (BRRPM) ON ROAD CENTRELINE AND "GROUND BALL" MARKER POST TO INDICATE LOCATION OF FIREPLUG. 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.
		EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL ENGINEER.
		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.
		TOTAL LENGTH OF ROADS CONSTRUCTED IS 476m TOTAL LENGTH OF DRAINS CONSTRUCTED IS 817m
		ALL TGSI TO BE INSTALLED IN ACCORDANCE WITH AS1428.
	1.	S) - STANDARD NOTES GAS MAINS, FITTINGS AND MARKER TAPE ARE TO BE SUPPLIED BY THE GAS AUTHORITY. EXCAVATION SUPPLY AND DIACEMENT OF REQUIRED BACKELL TO BE UNDERTAKEN BY OTHERS.
	3.	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
	1.	NFORCED CONCRETE PIPE 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. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPLACED & RELAID AT THE CONTRACTOR'S
		COST.
		E EUTURE STAGES
		1 in 6 II 5
	,	1.00 3.00 4.00
		SHARED PATH
		Alamora Estate, Sayers Road, Tarneit - Stage 3
		Wyndham City Council
	K	Road and Drainage Cover Plan

MELWAYS REF PROJECT / DRAWING №. 234 D5 2070E-A03-01

Cover Plan

SHEET NO. REVISION 4 SHEET No.



DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A03\Dwgs\2070E-A03-02.dwg PRINTED BY: PH15980 on 07/10/2021 at 05:16:23 PM

OUSE



SPLAY #	CENTRE RADIUS (m)	LEI
1	10.0	
NOTE: SPLAY PIPES TO BE CONS		

ALAMORA Varmeit

CONNECTION
IL 42.59
IL 42.74
IL 42.84
IL 42.92
IL 42.98
IL 42.98
IL 42.96
IL 42.94
LI 42.91
IL 42.82

	THWORKS PLAN
ALL PROPOSED, FUTUR	E & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY
	STORMWATER DRAIN, PIT
	& PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
•S	SEWER & MAINTENANCE STRUCTURES
H	HOUSE DRAIN
E	
0/H	ELECTRICITY (O.HEAD)
—— G ——	GAS
— T —	TELSTRA
0	OPTIC FIBRE
W	WATER
RW	
-	RECYCLE WATER
—@W—	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
>>	EXISTING SWALE DRAIN
Ө—Ех S ——	EXISTING SEWER & MAINTENANCE
— — — — — H	
——————————————————————————————————————	EXISTING ELECTRICITY (UNDER GROUND)
——0∕H E ——	EXISTING ELECTRICITY OVERHEAD
——————————————————————————————————————	EXISTING GAS
——Ex T ——	EXISTING TELSTRA
——Ex 0 ——	EXISTING OPTIC FIBRE
Ex W	
—Ex RW —	EXISTING RECYCLED WATER
GWR	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
>>	FUTURE SWALE DRAIN
()—FUT S ——	FUTURE SEWER & MAINTENANCE
	STRUCTURES
Fut E	FUTURE ELECTRICITY (UNDER GROUND)
—FutO/H E —	FUTURE ELECTRICITY OVERHEAD
——Fut G ——	FUTURE GAS
——Fut T ——	FUTURE TELSTRA
——Fut 0 ——	FUTURE OPTIC FIBRE
Fut W	
—Fut RW —	FUTURE RECYCLED WATER
	FUTURE TACTILE PAVERS
141.34	EXISTING SURFACE LEVEL
FS140.35	FINISHED BUILDING LINE LEVEL
FR157.40	FINISHED RIDGE LINE LEVEL
CH270.00	CHAINAGE
	STRUCTURAL FILL > 200mm
\rightarrow	DIRECTION OF FALL
	OVERLAND FLOW
*	GRADED IN DIRECTION OF FALL
不	TO LEVEL INDICATED
	EDGE STRIP, SUBSOIL DRAIN,
• •	"NO ROAD" SIGN & BARRIER
A	PERMANENT SURVEY MARK
7	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED CONCRETE PAVEMENT
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

SERVICE LOCATIONS ARE IN ACCORDANCE WITH APPENDIX H OF THE MPA GUIDELINES AND THE DETAIL PLAN SHOULD NOT BE RELIED UPON FOR THE ACCURATE POSITIONING OF DRAINAG LINES GREATER THAN 450dia. BEHIND BACK OF KERB. PIPES GREATER THAN 450dia. WILL BE HAUNCHED UNDERNEATH KERB AND CHANNEL WHERE APPLICABLE TO ENSURE THAT PIT WIDTH BEHIND BACK OF KERB DOES NOT EXCEED 0.9m.

WARNING

BEWARE OF UNDERGROUND SERVICES The 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

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TRUCTED AS PER MANUFACTURES SPECIFICATION, UTILISING EXTERNAL S						

SEALING BANDS.



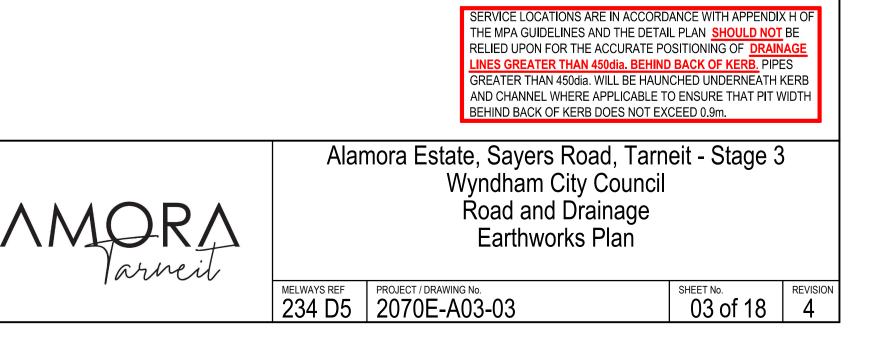
SPLAY PIPE SETOUT DETAIL

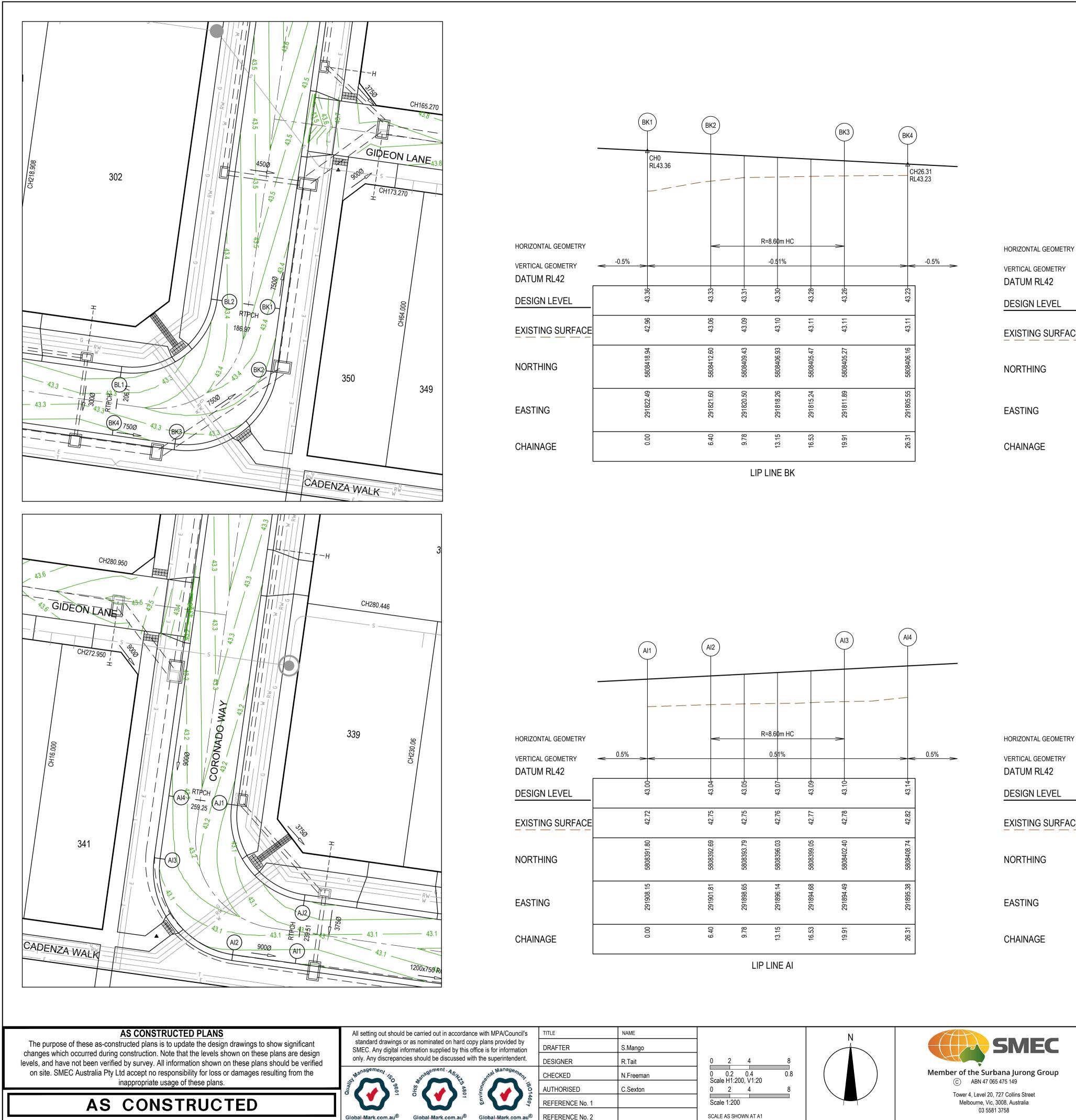
> Alamora Estate, Sayers Road, Tarneit - Stage 3 Wyndham City Council Road and Drainage Layout Plan SHEET No. REVISION 02 of 18 6
> MELWAYS REF
> PROJECT / DRAWING No.
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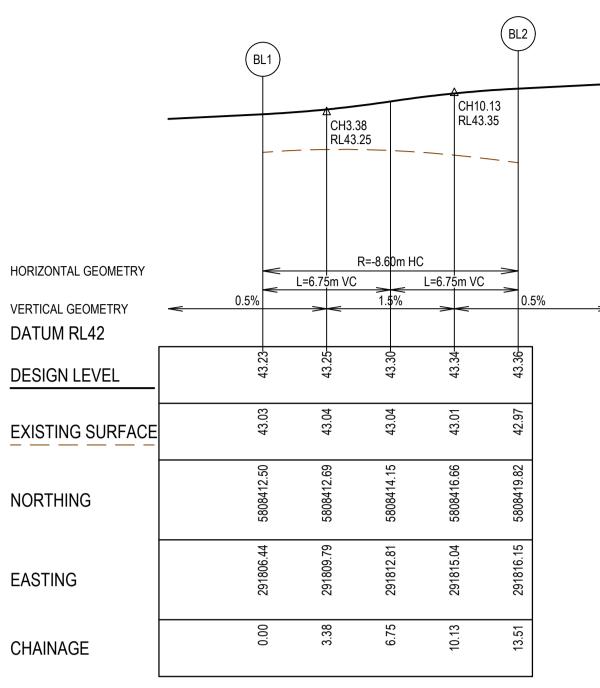
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ER	R.Tait				
D	N.Freeman			Member of the Surbana Jurong Group (C) ABN 47 065 475 149	/\L/
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NCE No. 1		Scale 1:500		Melbourne, Vic, 3008, Australia	
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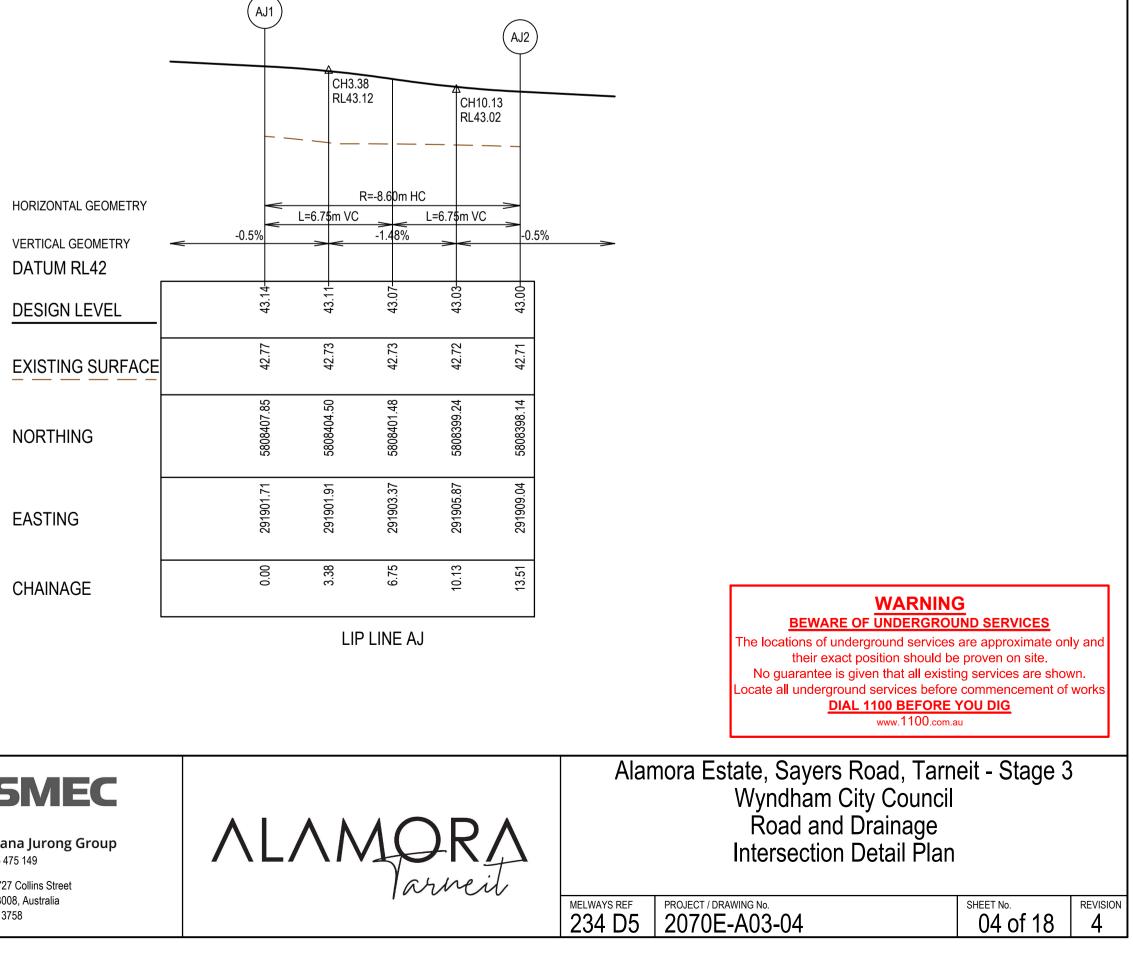
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** TO LEVEL INDICATED • EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER • PERMANENT SURVEY MARK • PERMANENT SURVEY MARK • PERPORARY BENCH MARK • PROPOSED DRIVEWAY & FOOTPATH • PROPOSED INDUSTRIAL DRIVEWAY • PROPOSED ROAD PAVING	TO LEVEL INDICATED EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER PERMANENT SURVEY MARK TEMPORARY BENCH MARK PROPOSED DRIVEWAY & FOOTPATH PROPOSED INDUSTRIAL DRIVEWAY		
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• "NO ROAD" SIGN & BARRIER • PERMANENT SURVEY MARK • TEMPORARY BENCH MARK • PROPOSED DRIVEWAY & FOOTPATH • PROPOSED INDUSTRIAL DRIVEWAY • PROPOSED ROAD PAVING	• "NO ROAD" SIGN & BARRIER • PERMANENT SURVEY MARK • TEMPORARY BENCH MARK • PROPOSED DRIVEWAY & FOOTPATH • PROPOSED INDUSTRIAL DRIVEWAY		
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PROPOSED DRIVEWAY & FOOTPATH PROPOSED INDUSTRIAL DRIVEWAY PROPOSED ROAD PAVING	PROPOSED DRIVEWAY & FOOTPATH PROPOSED INDUSTRIAL DRIVEWAY		PERMANENT SURVEY MARK
PROPOSED INDUSTRIAL DRIVEWAY PROPOSED ROAD PAVING	PROPOSED INDUSTRIAL DRIVEWAY	7	TEMPORARY BENCH MARK
PROPOSED ROAD PAVING			PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED ROAD PAVING		PROPOSED INDUSTRIAL DRIVEWAY
			PROPOSED ROAD PAVING
	EXISTING ROAD PAVING		





DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A03\Dwgs\2070E-A03-04.dwg PRINTED BY: PH15980 on 07/10/2021 at 05:20:36 PM

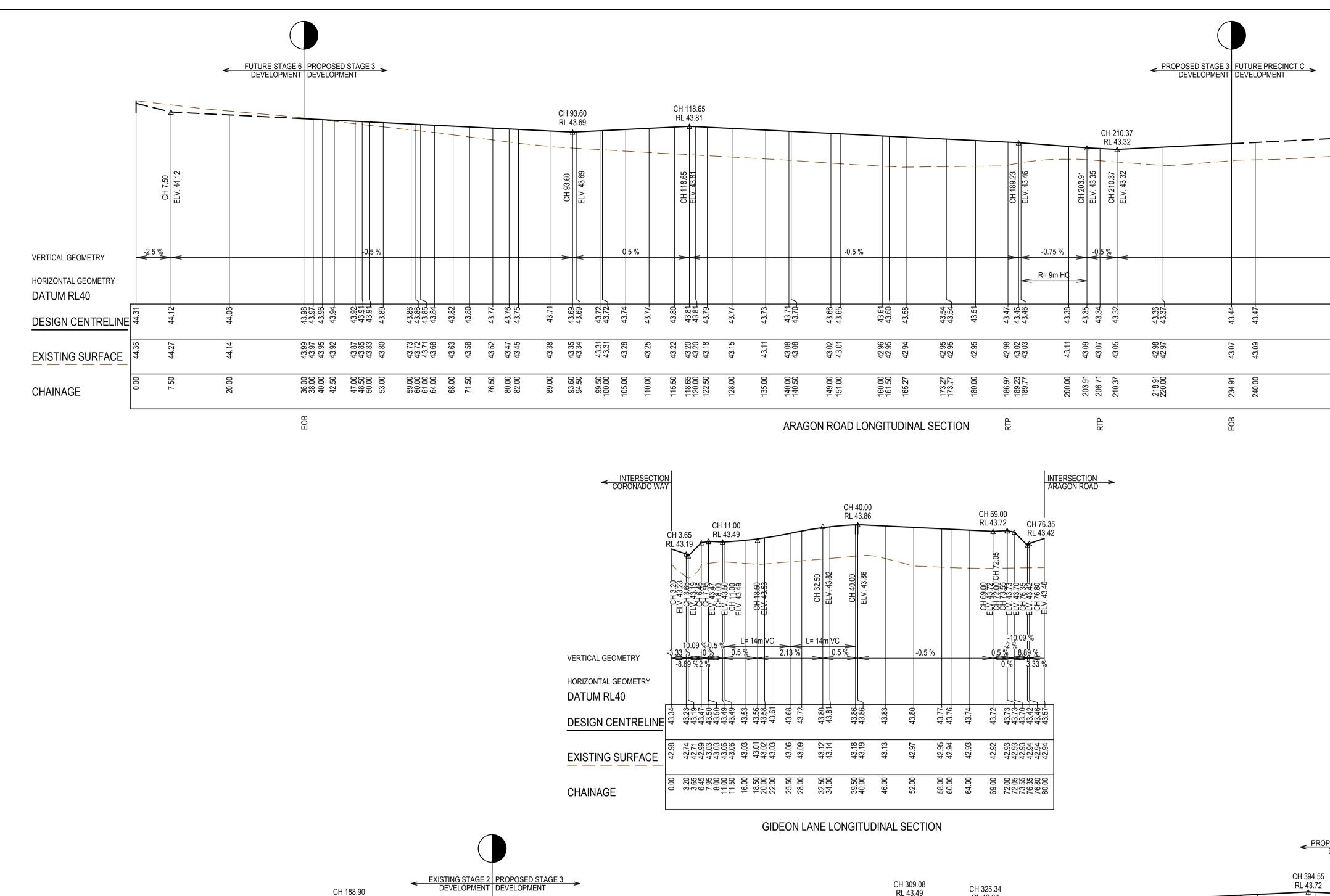




	NAME	
	S.Mango	
	R.Tait	0 2 4
	N.Freeman	0 0.2 0.4 Scale H1:200, V1:20
ED	C.Sexton	0 2 4
E No. 1		Scale 1:200
E No. 2		SCALE AS SHOWN AT A1

LL PROPOSED, FUTUR	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
	FUTURE STORMWATER DRAIN
— ————	FUTURE MAIN DRAIN
⊖-fut s —	FUTURE SEWER & MAINTENANCE STRUCTURES
—————H	FUTURE HOUSE DRAIN
GWR	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
•	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
A	PERMANENT SURVEY MARK
7	TEMPORARY BENCH MARK

LIP LINE BL



RL 43.34 CH 237.56 RL 43.10 CH 237.56 ELV. 43.10 CH 242.30 EI V 43.12 8 2 88 43 티오 -0.5 % 0.5 % 0.75 % 0.5 % VERTICAL GEOMETRY R= 9m HC HORIZONTAL GEOMETRY DATUM RL40 43.10-43.11-43.11-43.12-43.12-30 DESIGN CENTRELINE 약 5 43. 43. 42.71 42.72 42.73 42.73 42.73 6 62 얶 EXISTING SURFACE 237.56 239.51 240.00 242.30 242.31 22 CHAINAGE EOB AS CONSTRUCTED PLANS TITLE

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The purpose of these as-constructed plans is to update the design drawings to show significant

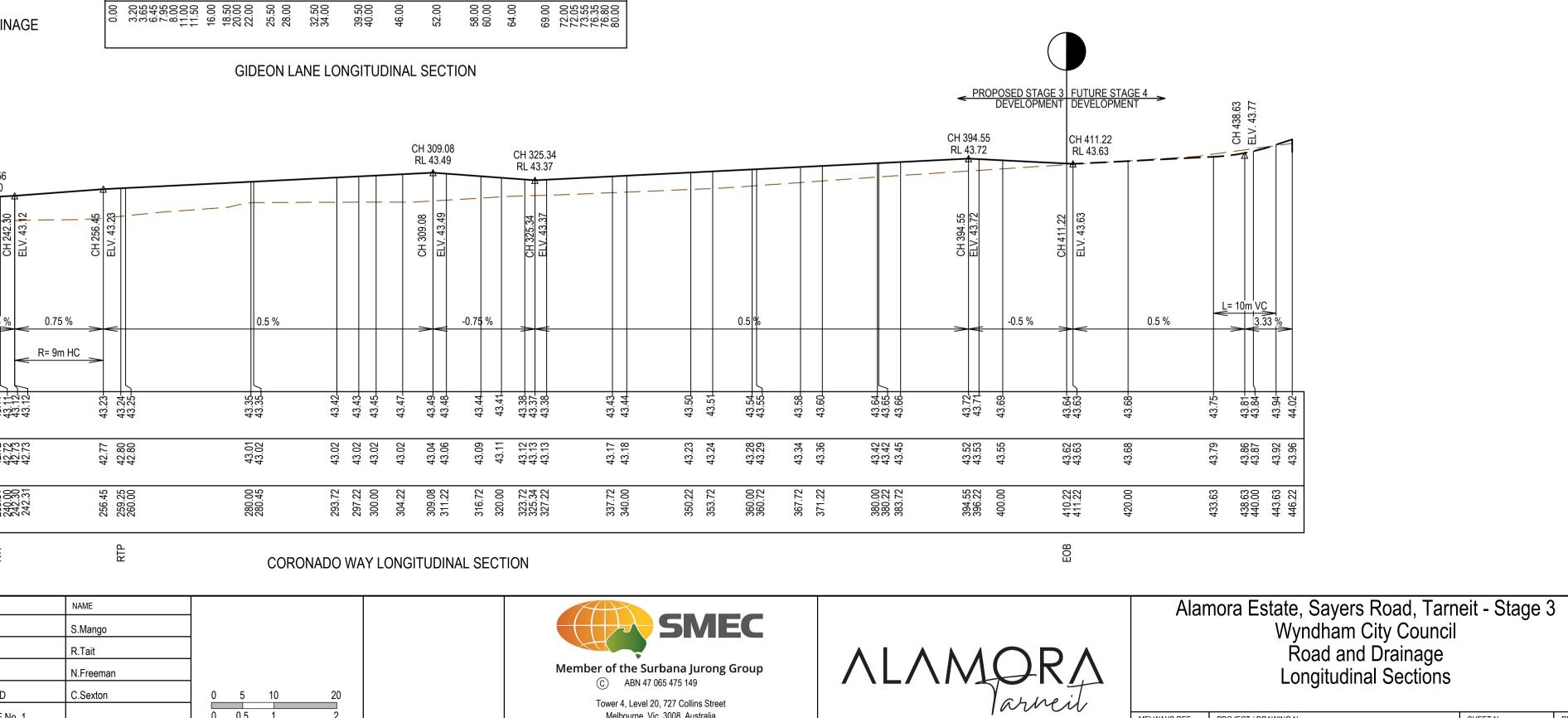
changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate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

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AS CONSTRUCTED

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A03\Dwgs\2070E-A03-05.dwg PRINTED BY: PH15980 on 07/10/2021 at 05:21:35 PM



TITLE	NAME	
DRAFTER	S.Mango	
DESIGNER	R.Tait	
CHECKED	N.Freeman	
AUTHORISED	C.Sexton	0
REFERENCE No. 1		0 S
REFERENCE No. 2		SC

Global-Mark.com.au® REFEREN

0.5 1 Scale H1:500, V1:50 SCALE AS SHOWN AT A1 Tower 4, Level 20, 727 Collins Street Melbourne, Vic, 3008, Australia

03 5581 3758

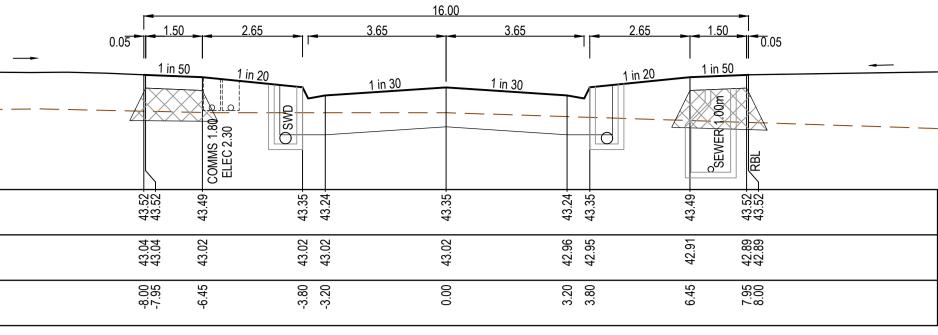
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43.57	43.67	43.77	43.87
43.19	43.37	43.52	43.67
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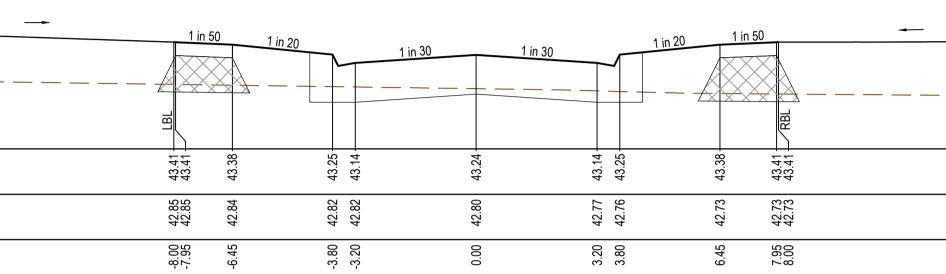
sheet No. REVISION 05 of 18 3 SHEET No.

 MELWAYS REF
 PROJECT / DRAWING No.

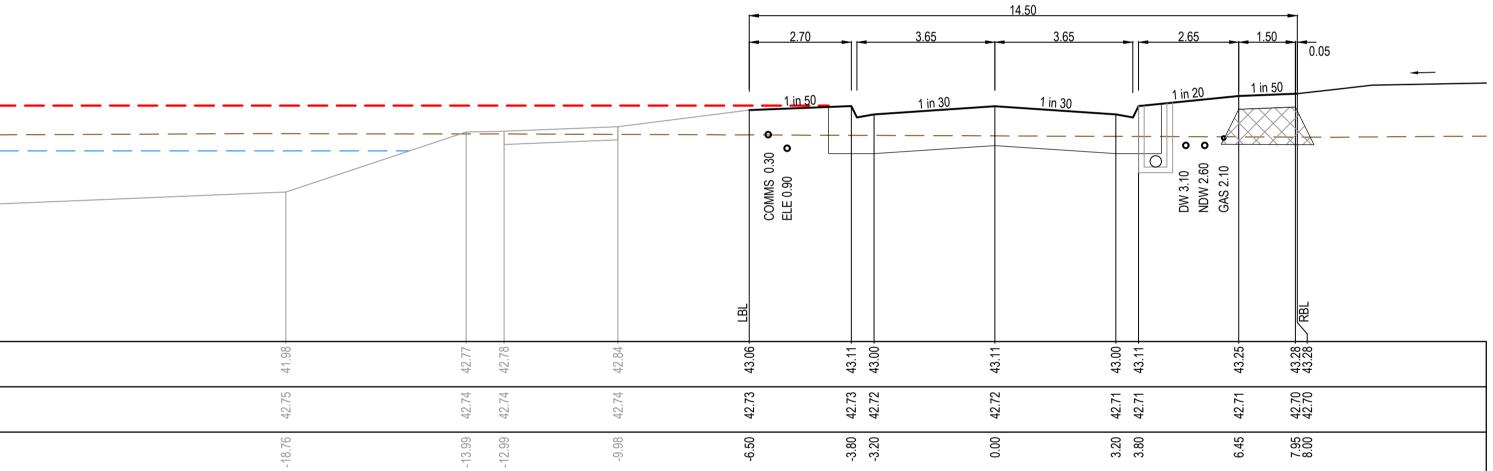
 234 D5
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					COMMS 1.80 ELEC 2.30	lő	
			DATUM42.0 DESIGN SURFACE	<u> </u>	43.52 43.52 43.49 CC	43.35	43.35
			EXISTING SURFAC		43.04 4 43.04 4 43.04 4 43.02 4	43.02 4	43.02
			OFFSET		-7.95 - -7.95 - -6.45 -	-3.80 -	7 00.0
							CH 280.45
				_	1 := 50		
						<u>1 in 20</u>	in 30
			DATUM42.0 DESIGN SURFACE	:	43.41	43.25	43.24
			EXISTING SURFAC		42.85 4; 4; 4; 4; 4; 4; 4; 4; 4; 4; 4; 4; 4;	42.82 4;	42.80
			OFFSET		-8.00 4: -7.95 4: -6.45 4:	-3.80 4:	0.00
			OFFOLT				RTP CH 259.2
	PROPOSED MW						
	WATERWAY						
	0.6m FREEBOARD = RL43.12						
	Q100 LEVEL = 42.52						
DATUM40.0 DESIGN SURFACE	41.13	41.13					42.77
EXISTING SURFACE	42.68	42.69 41.				42.75 41.	42.74 42
OFFSET		-38.17 4/				18.76 44	-13.99
	دن ب	φ φ				I	H 239.51
	Г	PROPOSED MW					
	0.6m FREEBOARD = RL43.08	WATERWAY					
	Q100 LEVEL = 42.48						
		_					
DATUM40.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					× 0
DESIGN SURFACE		41.08	41 41		2 41.89		2 42.68 [.]
EXISTING SURFACE		4 42.57			5 42.62		9 42.62
OFFSET		-34.24	-32.37		-20.65		-15.89 -14.89
							EOB CH
AS CONSTRUCTED PL		All setting out should be carri	ied out in accordance with MPA/Council's minated on hard copy plans provided by	TITLE NAME			
The purpose of these as-constructed plans is to update the changes which occurred during construction. Note that the levels, and have not been verified by survey. All information sh	vels shown on these plans are design	SMEC. Any digital information	on supplied by this office is for informationuld be discussed with the superintendent.	DRAFTER S.Mango DESIGNER R.Tait			
on site. SMEC Australia Pty Ltd accept no responsibility for	loss or damages resulting from the	.d. Management	agement. AS AL ental Management	CHECKED N.Freeman	<u>۱</u>		
		ohs a	\$ A801	AUTHORISED C.Sexton		0 1 2	4
		Global-Mark.com.au [®] Globa		REFERENCE No. 1 REFERENCE No. 2		Scale H1:100, V1:50 SCALE AS SHOWN AT A1	
changes which occurred during construction. Note that the levels, and have not been verified by survey. All information sh on site. SMEC Australia Pty Ltd accept no responsibility for inappropriate usage of these AS CONSTRU	vels shown on these plans are design nown on these plans should be verified loss or damages resulting from the plans.	SMEC. Any digital information only. Any discrepancies shou	an supplied by this office is for information uld be discussed with the superintendent.	DESIGNER R.Tait CHECKED N.Freeman AUTHORISED C.Sexton REFERENCE No. 1		0 1 2 0 0.5 1 Scale H1:100, V1:50 SCALE AS SHOWN AT A1	4









				1 in 50		1 in 30	1 in 30		1 in 20
				LBL					
41.89-	42.68 -	42.69-	42.75-	43.14-	43.19-	43.08-	43.19-	43.08-	43.19-
42.62	42.62	42.62	42.62	42.62	42.62	42.62	42.62	42.62	42.62
-20.65	-15.89	-14.89	-11.89	-6.50	-3.80	-3.20	00.0	3.20	3.80

B CH 219.56

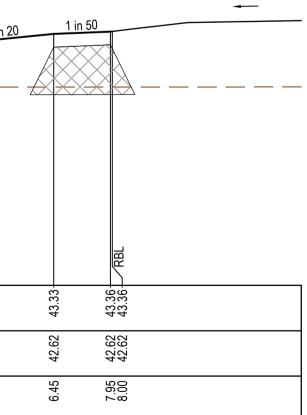


Tower 4, Level 20, 727 Collins Street Melbourne, Vic, 3008, Australia 03 5581 3758

ALAMORA Varmeit

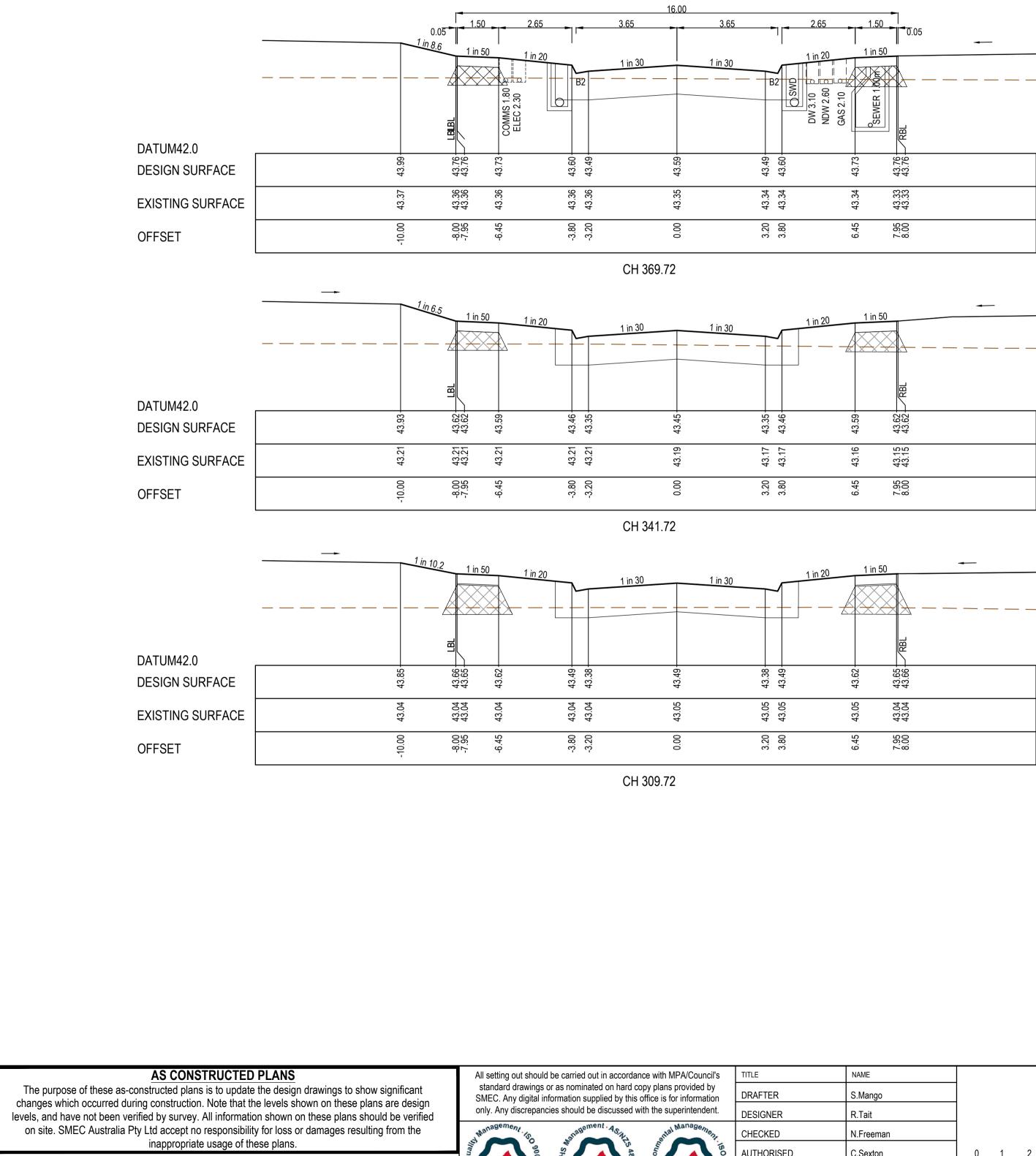
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STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE





Alamora Estate, Sayers Road, Tarneit - Stage 3 Wyndham City Council Road and Drainage Cross Sections: Coronado Way Ch 219.56 - Ch 280.45 MELWAYS REFPROJECT / DRAWING No.234 D52070E-A03-06 $\begin{array}{c|c} \text{SHEET No.} & \text{REVISION} \\ \hline 06 \ of \ 18 & 2 \end{array}$



AS CONSTRUCTED

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A03\Dwgs\2070E-A03-07.dwg PRINTED BY: PH15980 on 07/10/2021 at 05:22:31 PM

	1 in 20	1 in	50	-
	I		RBL	
0 t. t		43.59	43.62	
		43.16	43.15 43.15	
0.0		6.45	7.95 8.00	

1 in 20	1 in	50	-	
		- 42		
		RBL		
	43.62-	43.65		
	43.05	43.04 43.04		
	6.45	7.95 8.00		

	 1 in 50	1 11 20		<u>1 in 30</u>	<u>1 in 30</u>		<u>1 in 20 1 in</u>		
DATUM42.0 DESIGN SURFACE	43.81 43.80	43.77	43.64		43.64	43.53	43.77	43.80 43.81 43.81	
EXISTING SURFACE	43.63 43.63	43.63	43.63 43.63		43.62	43.61 43.61	43.61	43.61 43.61	
OFFSET	-8.00 -7.95	-6.45	-3.80 -3.20		0.00	3.20 3.80	6.45	7.95 8.00	
				EOB C	H 410.22				
	 <u>1 in 1</u>	<u>1.1 1 in 50</u>	<u>1 in 20</u>		<u>1 in 30</u>	1 in 30		20 1 in 50	
DATUM42.0	9		<u>+</u>						
DESIGN SURFACE	 44.06	43.88	45.04	43.71	43.71		43.60	43.84 - 43.87 - 43.88 -	
EXISTING SURFACE	43.54	43.54	43.04	43.54 43.54	43.53		43.52 43.52	43.52 43.52 43.52 43.52	
OFFSET	-10.00	-7.95	-0- 0-	-3.80 -3.20	0.00		3.20 3.80	6.45 7.95 8.00	

CH 396.22

	NAME	
	S.Mango	
2	R.Tait	
	N.Freeman	
SED	C.Sexton	
CE No. 1		
CE No. 2		S

AUTHORIS

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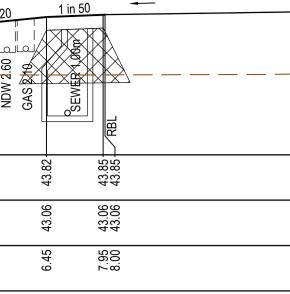
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

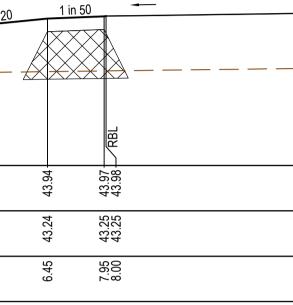


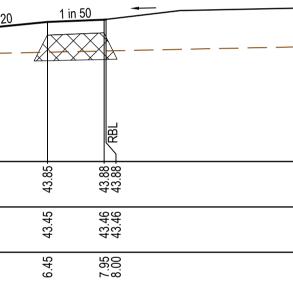
Alamora Estate, Sayers Road, Tarneit - Stage 3 Wyndham City Council Road and Drainage Cross Sections: Coronado Way Ch 304.22 - Ch 410.22 MELWAYS REF PROJECT / DRAWING No. 234 D5 2070E-A03-07 SHEET No. REVISION 3

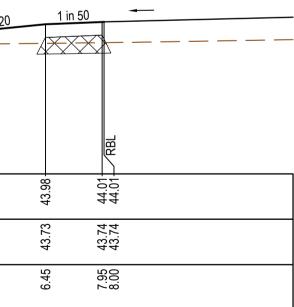
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			B2		B2 G C C C C C C C C C C C C C C C C C C		
						GAS 24	
DATUM42.		43.85 43.85 43.82 43.82	43.69	43.69	43.58	43.82 43.85 43.85 43.85	
DESIGN S		43.06 43.06 43.06 43.06 43.06 43.06	43.06 43.	43.06 43.	43.06 43	43.06 43	
	SURFACE			0.00 43.0	3.20 43.(6.45 6.45 43.0 8.00 43.0	
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				CH 144.00			
		1 in 501	<u>in 20</u> 1	in 30 1 <i>i</i> r	n 30 1 in	20 1 in 50	
DATUM42.	0	В				KBL	
DATOM42. DESIGN S		43.98 - 43.97 - 43.94	43.81	43.81	43.70	43.94	
EXISTING	SURFACE	43.20 43.20 43.20	43.21 43.21	43.21	43.22	43.24 43.25 43.25	
OFFSET		-8.00 -7.95 -6.45	-3.80	00.0	3.20	6.45 7.95 8.00	
				CH 117.50]
		1 in 501	<u>in 20</u>		1 in	20 1 in 50	
				in 30 1 ir	<u> + + -</u>		
	0	EB				RBL	
DATUM42. DESIGN S		43.88	43.71	43.71	43.60	43.85	
	SURFACE	43.33 43.33 43.34	43.34 43.34	43.38	43.41 43.42	43.45 43.46 43.46 43.46	
OFFSET		-8.00 -7.95 -6.45	-3.80	0.00	3.20	6.45 8.005 8.000	
	L			CH 89.00]
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DATUM42.			35	34	35	222 %]
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EXISTING	SURFACE	10 43.66 43.66 43.66 43.67	10 43.68	0 43.70	0 43.71	5 43.73 6 43.74 10 43.74	
OFFSET		-8.00 -7.95 -6.45	-3.80 -3.20	00.0	3.20	6.45 7.95 8.00	
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			<u>in 20</u> 1	in 30 1.ir	n-30	20 1 in 50	
						RE	
DATUM43		44.14 44.14 44.11	43.98	43.98	43.87	44 44 11 44.14 14.14 14.144]
DECION O							
DESIGN S	SURFACE	5 5 5 43.93 5 43.93 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-3.20 43.96 -3.20 43.96	00 43.99	20 44.01 80 44.01	45 95 44.04 44.04 44.04	
EXISTING			3.5	0.00	3.20	6.45 7.95 8.00	
		-7.95 -6.45					
EXISTING		-7.9 6.4		EOB CH 36.00			
EXISTING OFFSET <u>AS CONST</u> e purpose of these as-constructed plans is	RUCTED PLANS s to update the design drawings to sho	All s w significant	etting out should be carried o	out in accordance with MPA ated on hard copy plans pro	ovided by	NAME S. Mango	
EXISTING OFFSET	s to update the design drawings to sho Note that the levels shown on these pla Il information shown on these plans sh	ow significant sta ans are design only	etting out should be carried o ndard drawings or as nomina EC. Any digital information su . Any discrepancies should b	but in accordance with MPA ated on hard copy plans pro upplied by this office is for in the discussed with the super	ovided by nformation DRAFTER	S.Mango	

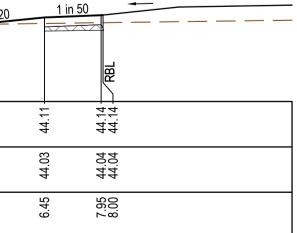
DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A03\Dwgs\2070E-A03-08.dwg PRINTED BY: PH15980 on 07/10/2021 at 05:23:03 PM

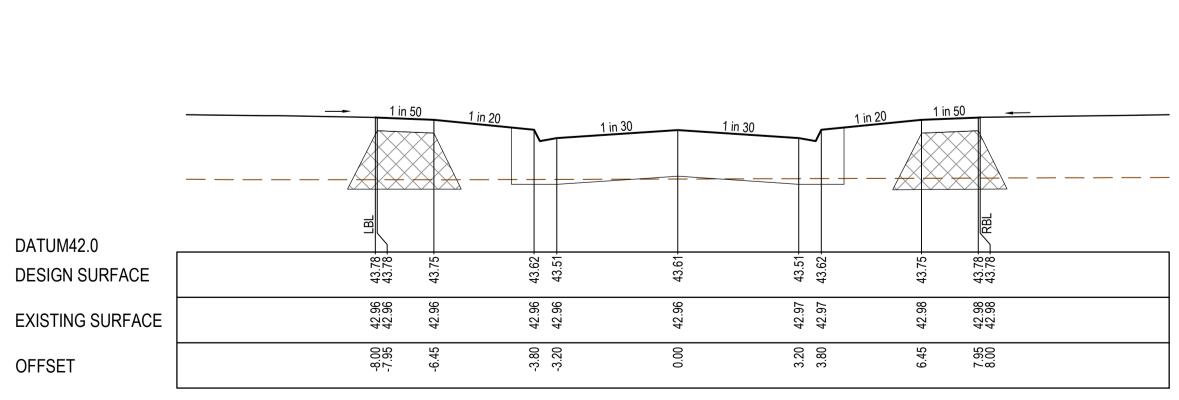












DATUM42.0 DESIGN SURFACE EXISTING SURFACE OFFSET

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43.64 - 1.3 64 -	43.61 -	 40.47	- 00.00
422 055 055	42.35	42.30	4.2.30 0000
-8- 000 010	-6.45	00.C-	07.6-

1 in 20

1 in 50

RTP CH 186.97

1 in 30

_ _ _

1 in 30

CH 158.77



4

OFFSET

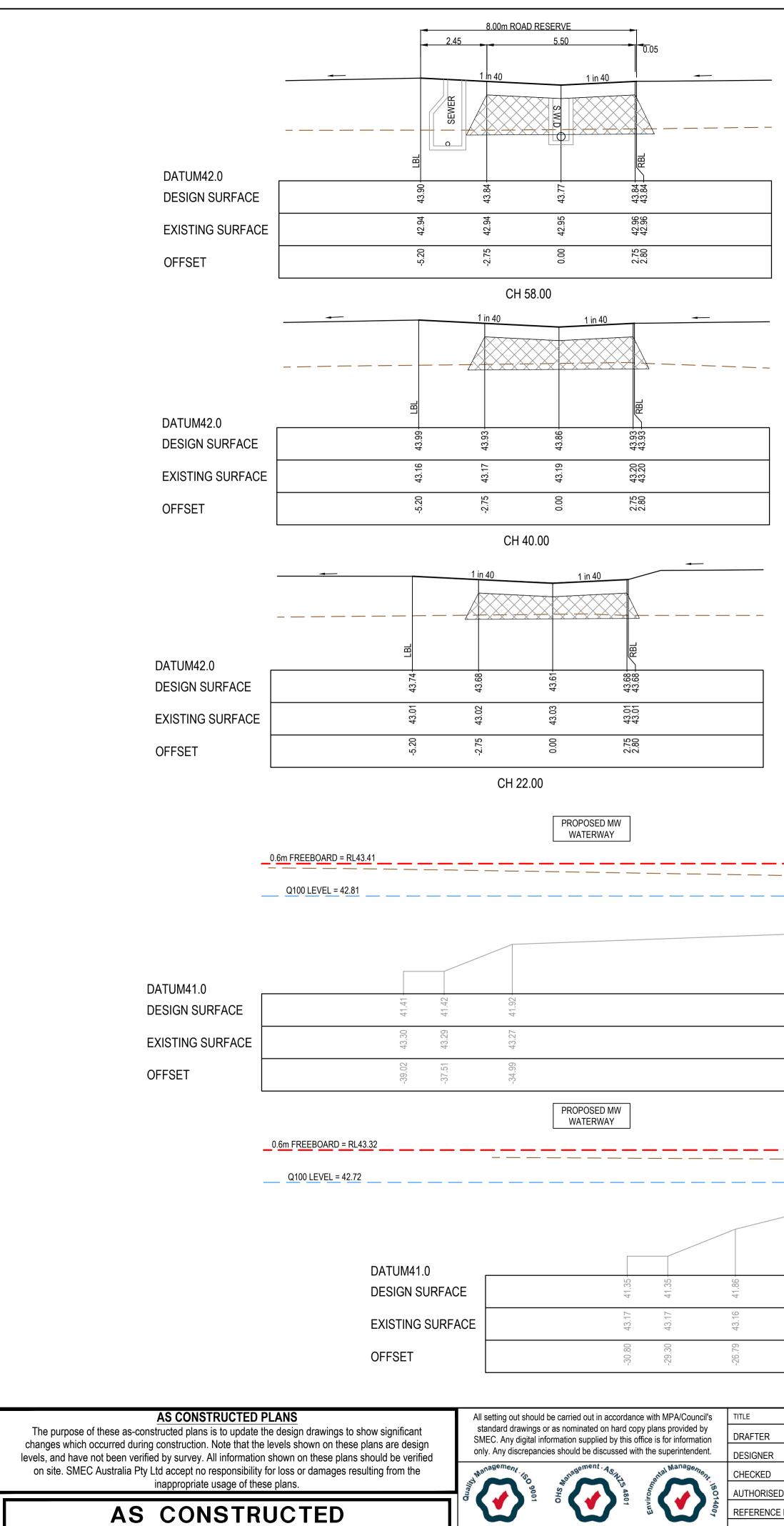
SMEC Member of the Surbana Jurong Group ⓒ ABN 47 065 475 149 Tower 4, Level 20, 727 Collins Street Melbourne, Vic, 3008, Australia 03 5581 3758



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

	1 in 20 1 in 5	50	
43.36 - 43.47 -	43.61-	43.64 - 43.64 -	
42.97 42.97	42.96	42.96 42.96	
3.20 3.80	6.45	7.95 8.00	

Alamora Estate, Sayers Road, Tarneit - Stage 3 Wyndham City Council Road and Drainage Cross Sections: Aragon Road Ch 36.00 - Ch 186.97 MELWAYS REF PROJECT / DRAWING No. 234 D5 2070E-A03-08 SHEET NO. REVISION 3



DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A03\Dwgs\2070E-A03-09.dwg PRINTED BY: PH15980 on 07/10/2021 at 05:24:44 PM

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			IXII 011200.		
	NAME S.Mango			SMEC	
R	R.Tait N.Freeman			Member of the Surbana Jurong Group	
SED CE No. 1	C.Sexton	0 1 2 4 0 0.5 1 2 Scale H1100 V1150		C ABN 47 065 475 149 Tower 4, Level 20, 727 Collins Street Melbourne, Vic, 3008, Australia	
CE No. 2		Scale H1:100, V1:50 SCALE AS SHOWN AT A1		03 5581 3758	

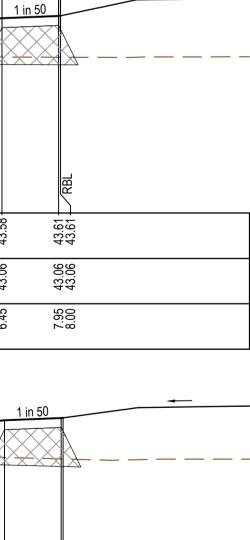
200 0112	204.01					
		1 in 50	1 in 30	1 in 30	1 in 20	
	В					
42.11.	43.29	43.34	43.23	43.23	43.34	43.47
43.15 43.14 43.13 43.13	43.12	43.12	43.11	43.03	43.02	42.98
-24.73 -19.95 -18.95 -15.93	-6.50	-3.80	-3.20 0.00	3.20	3.80	6.45

EOB CH 234.91

			ΓBL	2.70 1 in 50 0.30 0.30 COMWS 0.30 EFE 0.60 COMWS 0.30	B2	3.65 <u>1 in 30</u>	3.65	B2 (10)	2.65 1 in 20 NDM 3.10 GAS 2.10 GAS 2.10
42.21	43.01	43.02	43.08		43.44	2 V	43.33	43.44	43.58
43.15	43.11	43.10	43.09 43.08		43.08 43.08	13.07	43.07	43.07	43.06
- 18.73	-13.82	-12.78	-6.50		-3.80 -3.20		3.20	3.80	6.45

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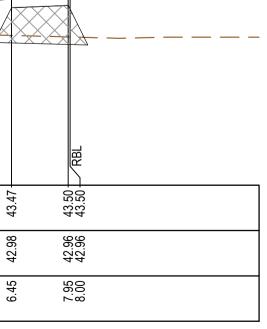
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



1.50

0.05

14.50





 Alamora Estate, Sayers Road, Tarneit - Stage 3

 Wyndham City Council

 Road and Drainage

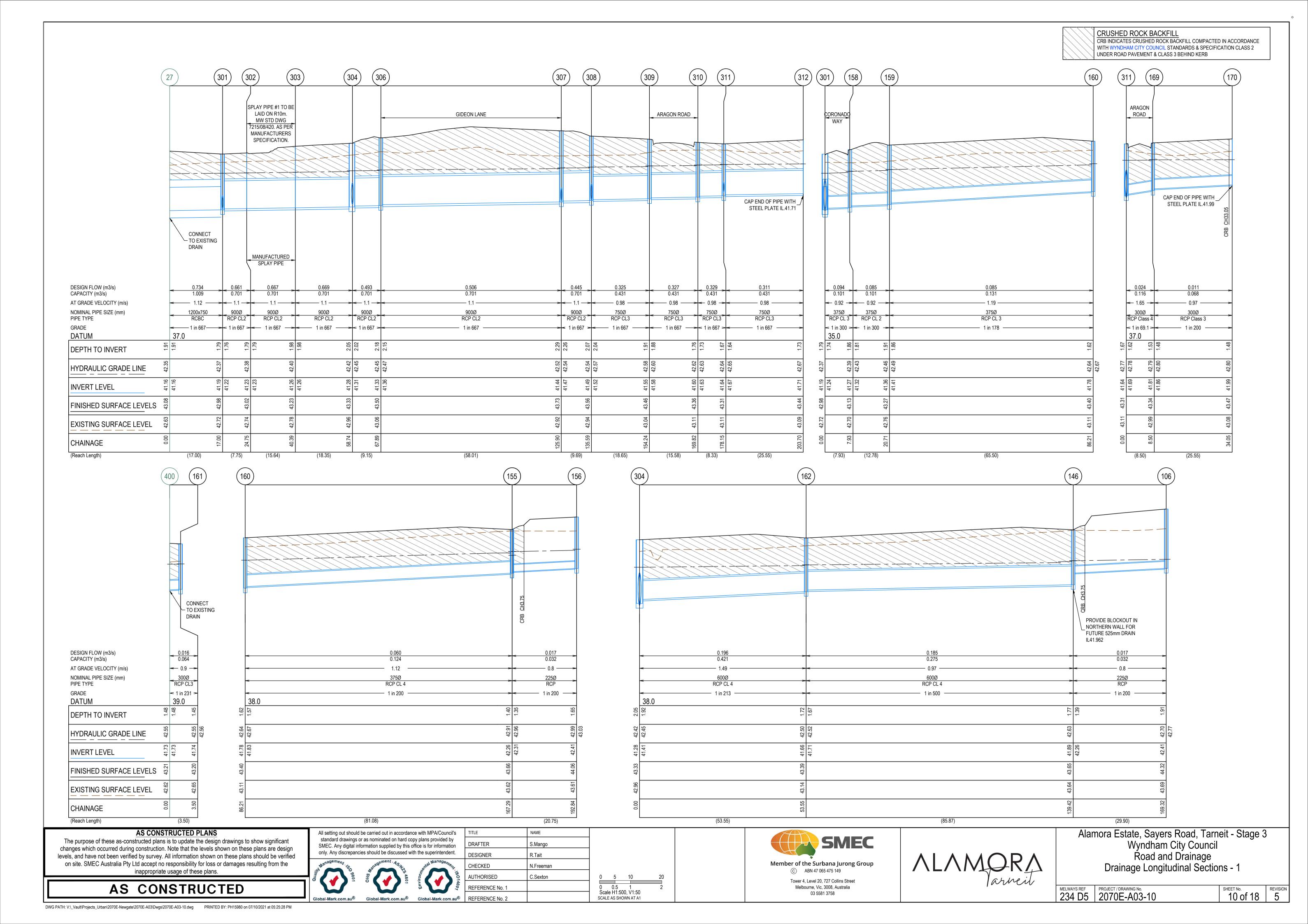
 Cross Sections: Aragon Road Ch 206.71 - Ch 234.91

 & Gideon Lane

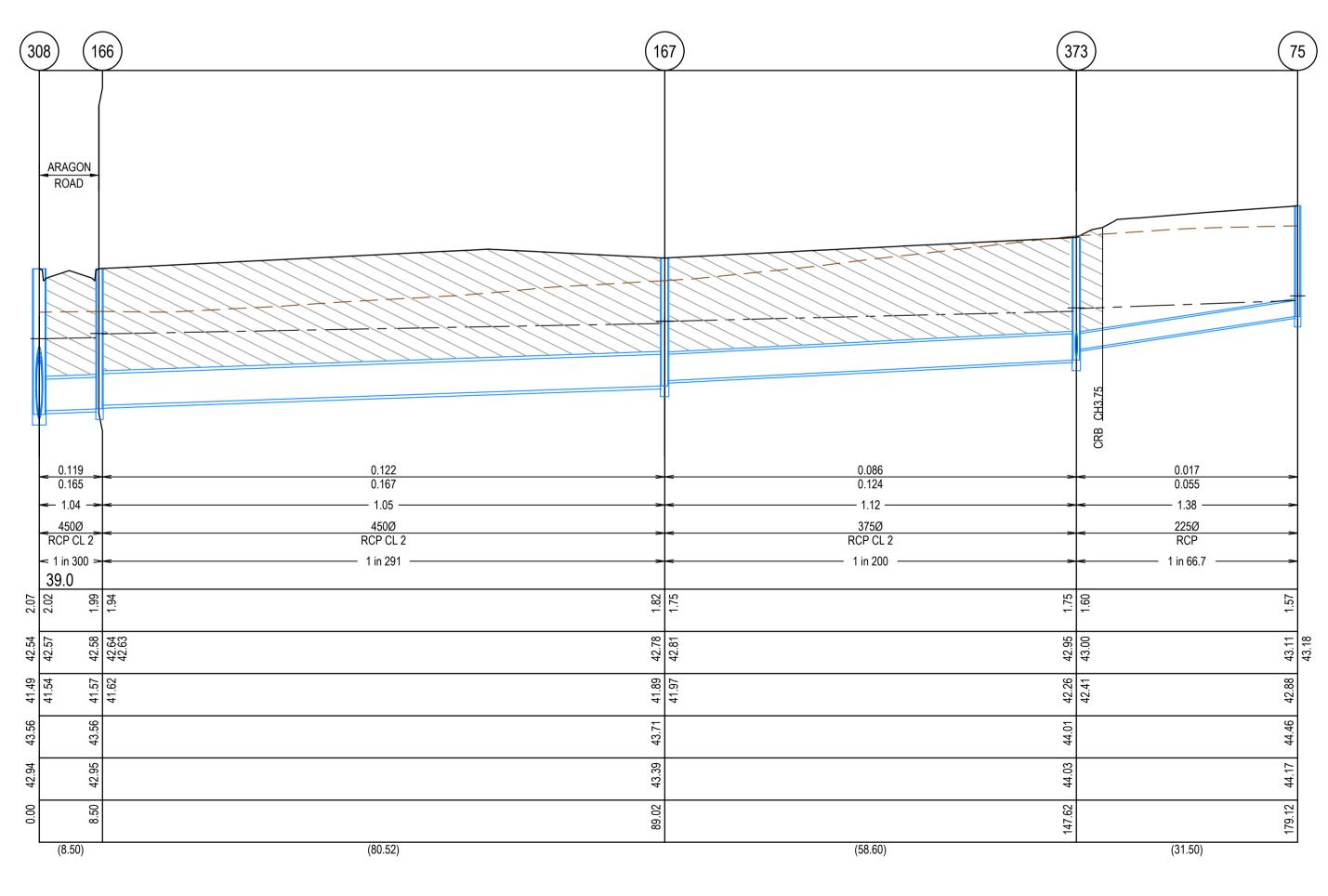
 MELWAYS REF

 234 D5

 2070E-A03-09



	(30	70	(16	63)	
DESIGN FLOW (m3/s) CAPACITY (m3/s) AT GRADE VELOCITY (m/s) NOMINAL PIPE SIZE (mm) PIPE TYPE GRADE DATUM		0.08 ⁷ 0.10 ⁷ 0.92 375¢ RCP C 1 in 30 39.0	1 	v v v	
DEPTH TO INVERT	2.29	2.24	2.10	2.05	
HYDRAULIC GRADE LINE	42.52	42.54	42.56	42.58	
INVERT LEVEL	41.44	41.49	41.52	41.57	
FINISHED SURFACE LEVELS	43.73		43.62		
EXISTING SURFACE LEVEL	42.92		42.94		
CHAINAGE	0.00		9.05		
(Reach Length)		(9.05)		



AS CONSTRUCTED PLANS

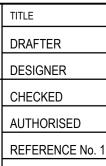
The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site.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

AS CONSTRUCTED

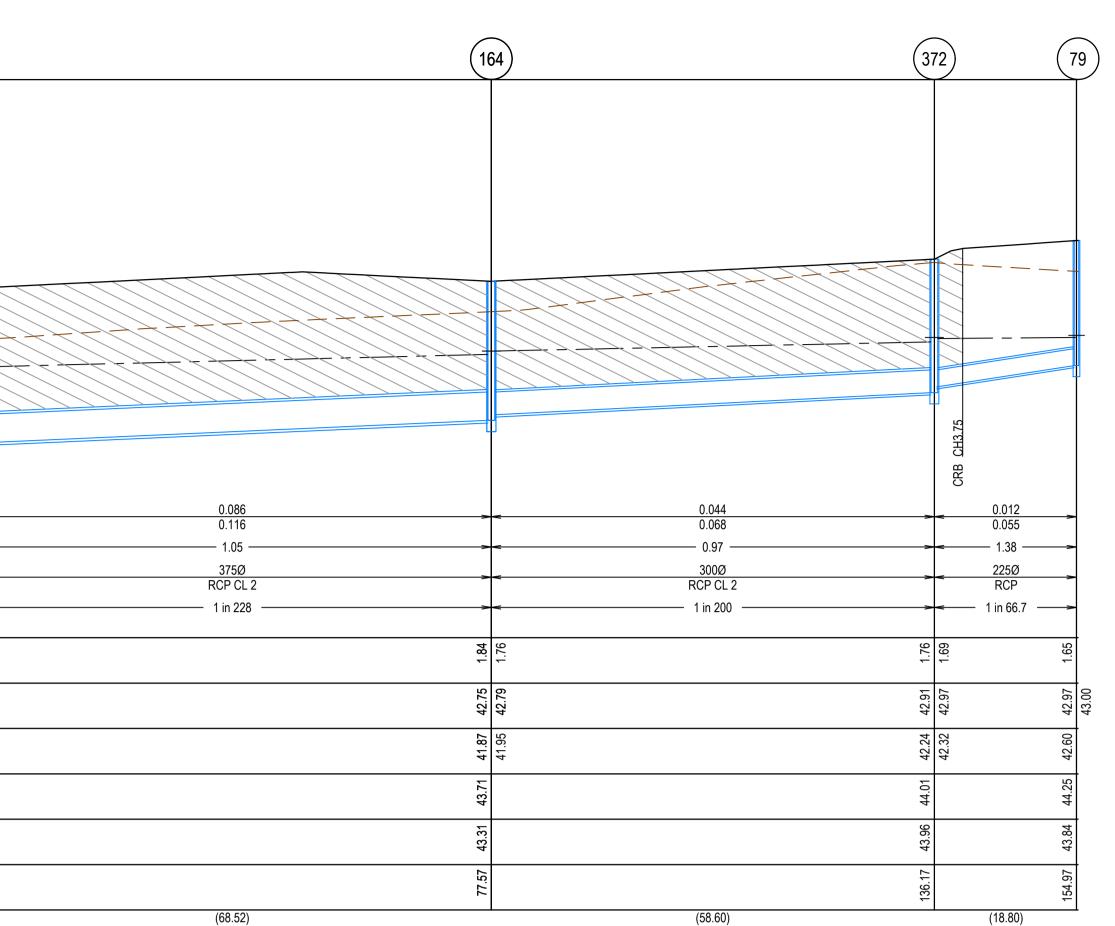


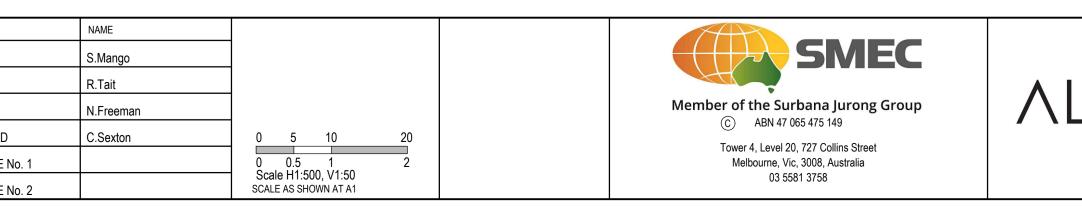
All setting out should be carried out in accordance with MPA/Council's

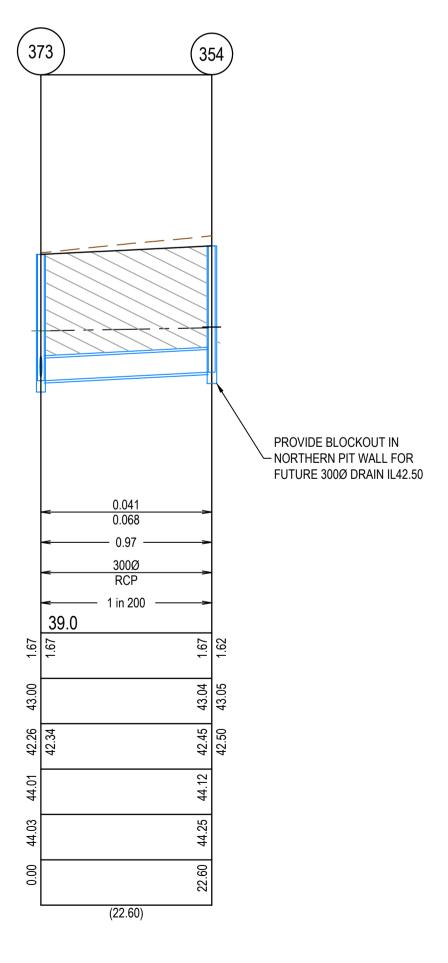




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CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE
WITH WYNDHAM CITY COUNCIL STANDARDS & SPECIFICATION CLASS 2 UNDER ROAD PAVEMENT & CLASS 3 BEHIND KERB



Alamora Estate, Sayers Road, Tarneit - Stage 3 Wyndham City Council Road and Drainage Drainage Longitudinal Sections - 2

MELWAYS REF	PROJECT / DRAWING No.
234 D5	2070E-A03-1

SHEET No. REVISION 2

	PIT	INTERNAL		INLET		OUTLET		PIT			
NAME	TYPE	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	STD DWG	REMARKS
Ex.27	EXISTING ENDPIPE			750	41.165	750	41.165		1.914		CONNECT TO EXISTING DRAIN
301	DOUBLE SIDE ENTRY PIT	1650	900	900	41.22	750	41.19	42.984	1.793	EDCM 602 & 607	HAUNCH TO 600x900 COVER TOWARDS PAVEMENT
				375	41.24						
302	TANGENT POINT			900	41.232	900	41.232	43.02	1.788		
303	TANGENT POINT			900	41.255	900	41.255	43.233	1.978		
304	JUNCTION PIT	1200	1950	900	41.313	900	41.283	43.332	2.049	MW 7251/08/408 & 409	PIT TO BE HAUNCHED TO 900x900 COVER. REFER TO MELBOURNE WATER STANDARD DRAWINGS 7251/08/408&409
				600	41.413						
306	GRATED ENTRY PIT	1800	900	900	41.357	900	41.327	43.504	2.177	EDCM 607	PROVIDE HEAVY DUTY GRATED COVER TO PIT. REFER TO DRAWING 2070E-A03-14 FOR DETAILS. PIT TO BE HAUNCHED TO 600x900 COVER.
307	GRATED ENTRY PIT	1650	900	900	41.474	900	41.444	43.73	2.286	EDCM 607	PROVIDE HEAVY DUTY GRATED COVER TO PIT. REFER TO DRAWING 2070E-A03-14 FOR DETAILS. PIT TO BE HAUNCHED TO 600x900 COVER.
				375	41.494						
308	SIDE ENTRY PIT	1650	900	750	41.518	900	41.488	43.561	2.073	EDCM 601 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
				450	41.538						
309	JUNCTION PIT	1500	900	750	41.576	750	41.546	43.46	1.914	EDCM 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
310	JUNCTION PIT	1350	900	750	41.63	750	41.6	43.36	1.76	EDCM 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
311	DOUBLE SIDE ENTRY PIT	1050	900	750	41.672	750	41.642	43.312	1.67	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
				300	41.692						
312	ENDPIPE			750	41.71	750	41.71	43.44	1.729		CAP END OF PIPE WITH STEEL PLATE FOR FUTURE CONNECTION
106	JUNCTION PIT	600	900				42.41	44.32	1.91	EDCM 605	
146	DOUBLE SIDE ENTRY PIT	900	900	225	42.262	600	41.887	43.652	1.765	EDCM 602 & 607	CONSTRUCT AS JUNCTION PIT WITH MALTHOID JOINT FOR FUTURE CONNECTION TO DOUBLE SIDE ENTRY PIT & PROVIDE BLOCKOUT IN NORTHERN WALL FOR FUTURE 525mm DRAIN. IL41.962
											PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
155	DOUBLE SIDE ENTRY PIT	600	900	225	42.307	375	42.257	43.66	1.403	EDCM 602	CONSTRUCT AS JUNCTION PIT WITH MALTHOID JOINT FOR FUTURE CONNECTION TO DOUBLE SIDE ENTRY PIT
156	JUNCTION PIT	600	900			225	42.41	44.06	1.65	EDCM 605	
158	DOUBLE SIDE ENTRY PIT	750	900	375	41.317	375	41.267	43.126	1.859	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
159	SIDE ENTRY PIT	900	900	375	41.409	375	41.359	43.273	1.913	EDCM 601 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
160	DOUBLE SIDE ENTRY PIT	600	900	375	41.827	375	41.777	43.397	1.62	EDCM 602 & 605	
161	JUNCTION PIT	600	900			300	41.744	43.196	1.452	EDCM 605	
162	DOUBLE SIDE ENTRY PIT	900	900	600	41.715	600	41.665	43.389	1.724	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
163	JUNCTION PIT	600	900	375	41.574	375	41.524	43.621	2.098	EDCM 605	
164	DOUBLE SIDE ENTRY PIT	600	900	300	41.949	375	41.874	43.714	1.839	EDCM 602 & 605	
372	SIDE ENTRY PIT	600	900	225	42.317	300	42.242	44.007	1.764	EDCM 601 & 605	CONSTRUCT AS JUNCTION PIT WITH MALTHOID JOINT FOR FUTURE CONNECTION TO SIDE ENTRY PIT
166	SIDE ENTRY PIT	600	900	450	41.616	450	41.566	43.561	1.995	EDCM 601 & 605	
167	DOUBLE SIDE ENTRY PIT	600	900	375	41.968	450	41.893	43.714	1.82	EDCM 602 & 605	
373	SIDE ENTRY PIT	600	900	225	42.411	375	42.261	44.007	1.745	EDCM 601 & 605	CONSTRUCT AS JUNCTION PIT WITH MALTHOID JOINT FOR FUTURE CONNECTION TO SIDE ENTRY PIT
				300	42.336						
75	JUNCTION PIT	600	900			225	42.884	44.458	1.574	EDCM 605	
354	SIDE ENTRY PIT	600	900	300	42.499	300	42.449	44.12	1.67	EDCM 601 & 605	CONSTRUCT AS JUNCTION PIT WITH MALTHOID JOINT FOR FUTURE CONNECTION TO SIDE ENTRY PIT & PROVIDE BLOCKOUT IN NORTHERN WALL FOR FUTURE 300mm DRAIN. IL42.50
79	JUNCTION PIT	600	900			225	42.601	44.253	1.652	EDCM 605	
169	DOUBLE SIDE ENTRY PIT	600	900	300	41.865	300	41.815	43.344	1.529	EDCM 602 & 605	
170	ENDPIPE			300	41.993	300	41.993	43.471	1.479		CAP END OF PIPE WITH STEEL PLATE FOR FUTURE CONNECTION
Ex.400	EXISTING ENDPIPE			300	41.728	300	41.728		1.484		CONNECT TO EXISTING DRAIN

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.

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



AS CONSTRUCTED

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A03\Dwgs\2070E-A03-12.dwg PRINTED BY: PH15980 on 07/10/2021 at 05:26:51 PM



Me

ember of the Surbana Jurong Group
© ABN 47 065 475 149
Tower 4, Level 20, 727 Collins Street Melbourne, Vic, 3008, Australia
03 5581 3758

	NAME
	S.Mango
	R.Tait
	N.Freeman
D	C.Sexton
E No. 1	

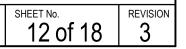
SCALE AS SHOWN AT A1

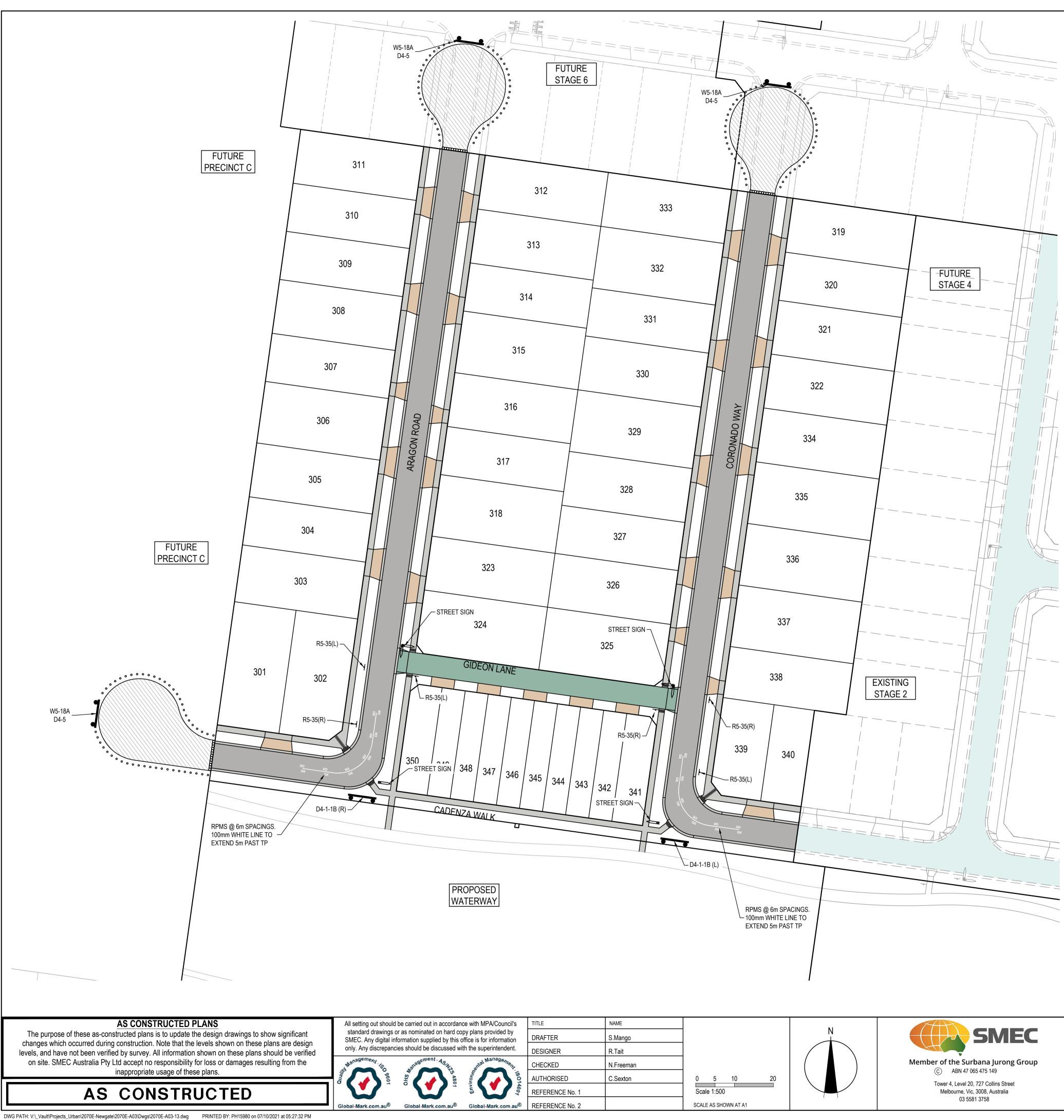
ALAMORA Varmeit



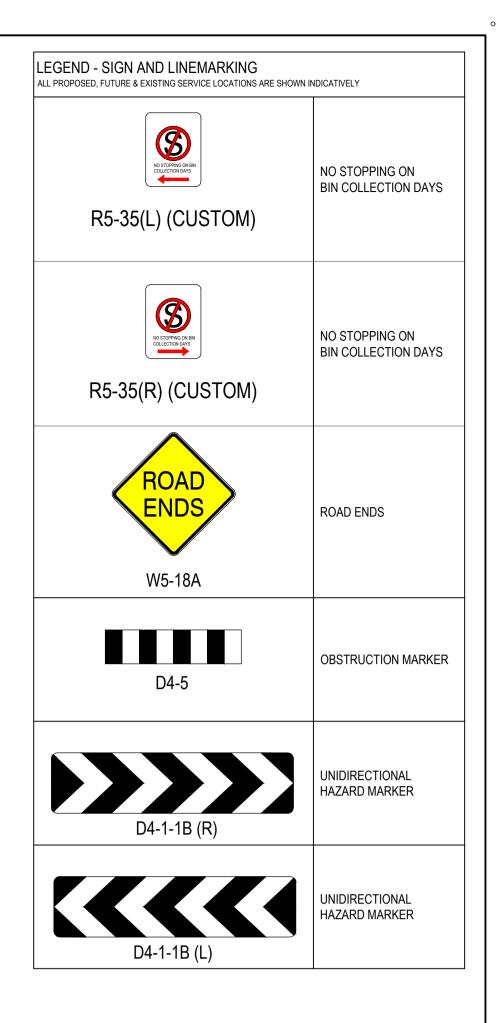
Alamora Estate, Sayers Road, Tarneit - Stage 3 Wyndham City Council Road and Drainage Pit Schedule

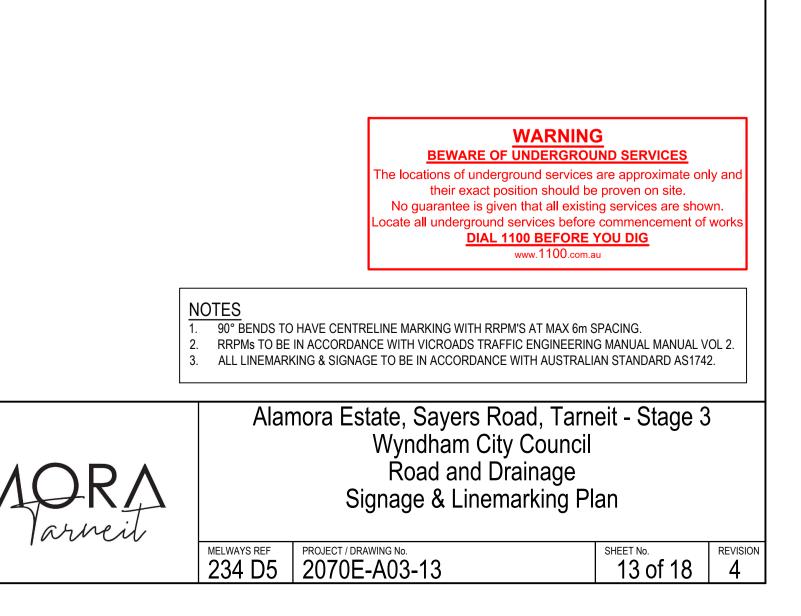
ELWAYS REF	PROJECT / DRAWING No.
234 D5	2070E-A03-12

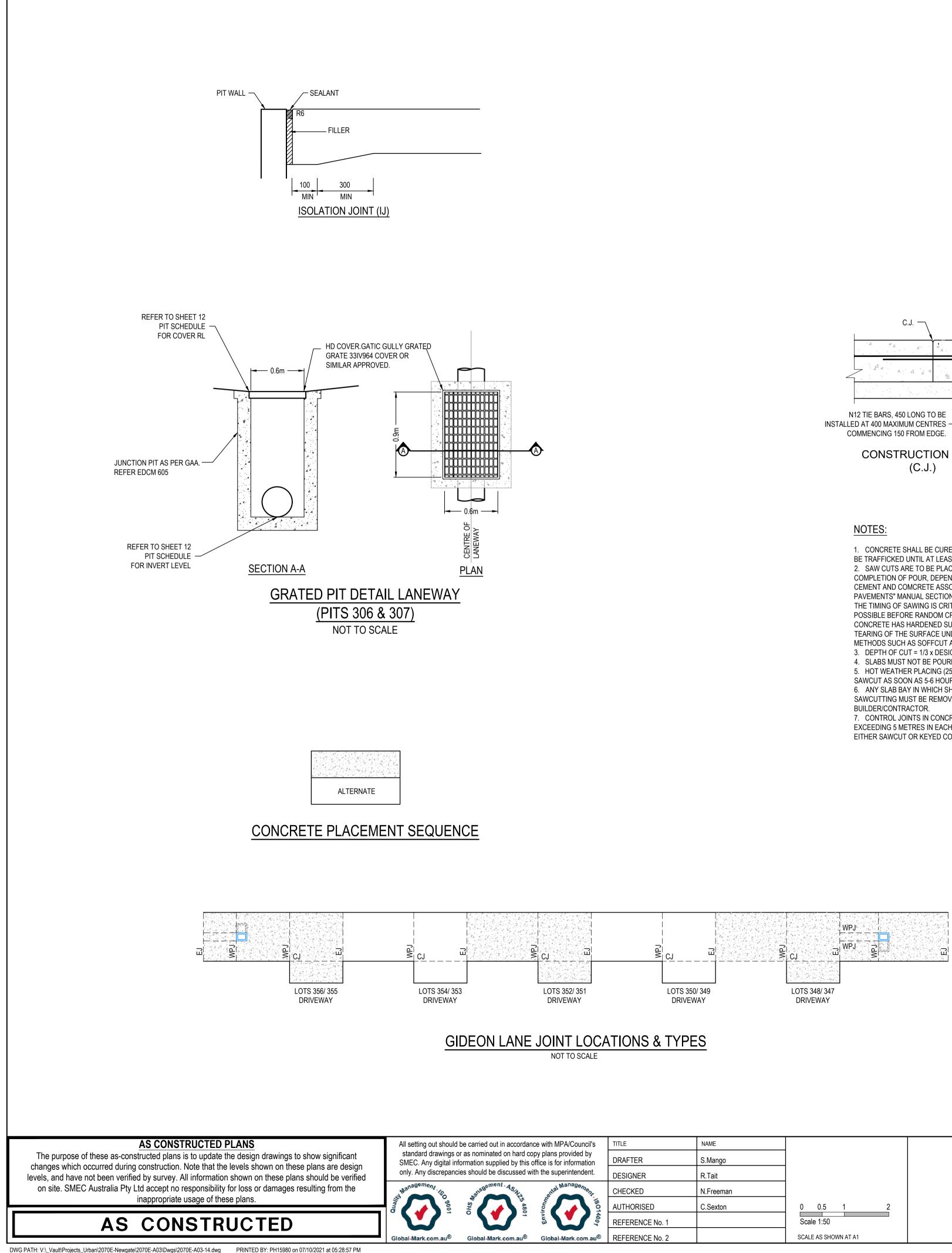


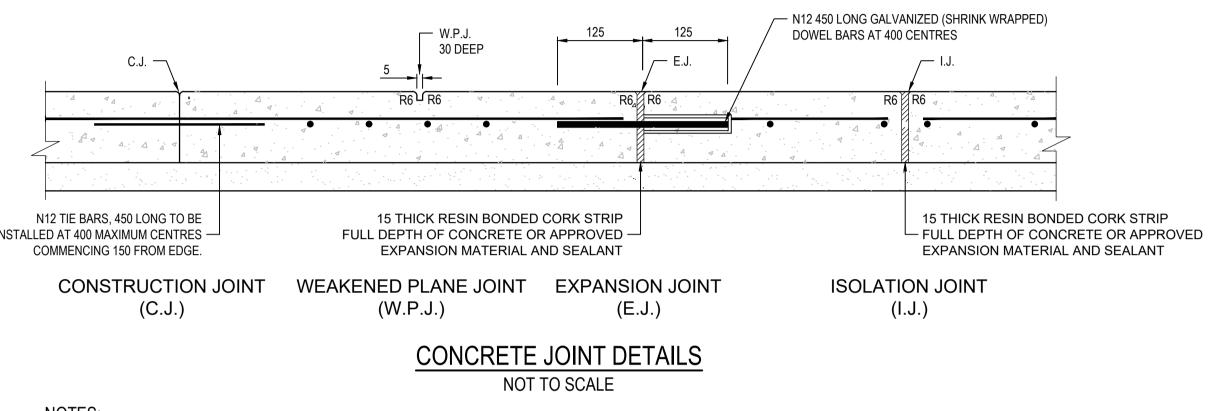


	NAME		N		
	S.Mango		N	SMEC	
	R.Tait				
	N.Freeman			Member of the Surbana Jurong Group	
D	C.Sexton	0 5 10 20		© ABN 47 065 475 149 Tower 4, Level 20, 727 Collins Street	
E No. 1		Scale 1:500		Melbourne, Vic, 3008, Australia	
E No. 2		SCALE AS SHOWN AT A1		03 5581 3758	









1. CONCRETE SHALL BE CURED IN ACCORDANCE WITH AS3600 AND NOT TO BE TRAFFICKED UNTIL AT LEAST SEVEN DAYS AFTER POURING. 2. SAW CUTS ARE TO BE PLACED BETWEEN 12 & 24 HOURS AFTER

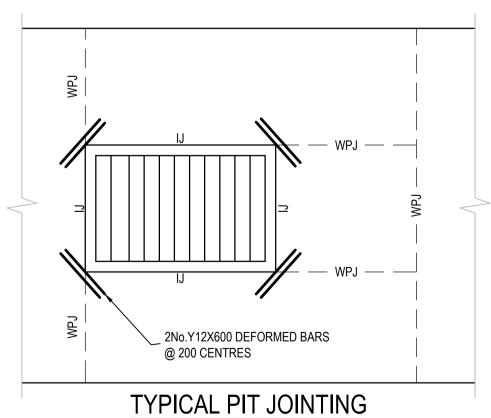
COMPLETION OF POUR, DEPENDING ON CONCRETE CONDITIONS. REFER TO CEMENT AND COMCRETE ASSOCIATION "INDUSTRIAL FLOORS & PAVEMENTS" MANUAL SECTION 8.2 "SAWN JOINTS" FOR FURTHER ADVICE. THE TIMING OF SAWING IS CRITICAL, & SHOULD COMMENCE AS EARLY AS POSSIBLE BEFORE RANDOM CRACKING CAN OCCUR, BUT AFTER THE CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELLING OR TEARING OF THE SURFACE UNDER THE ACTION OF THE SAW. SAWING METHODS SUCH AS SOFFCUT ARE TO BE ENCOURAGED.

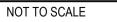
3. DEPTH OF CUT = 1/3 x DESIGNATED SLAB THICKNESS

4. SLABS MUST NOT BE POURED IF THE TEMPERATURE EXCEEDS 32°C. 5. HOT WEATHER PLACING (25°C AND OVER) MAY REQUIRE SLABS TO BE SAWCUT AS SOON AS 5-6 HOURS AFTER POURING.

6. ANY SLAB BAY IN WHICH SHRINKAGE CRACKS OCCUR DUE TO LATE SAWCUTTING MUST BE REMOVED AND REPLACED BY THE

7. CONTROL JOINTS IN CONCRETE SLAB AT REGULAR INTERVALS NOT EXCEEDING 5 METRES IN EACH DIRECTION. CONTROL JOINTS MAY BE EITHER SAWCUT OR KEYED CONSTRUCTION JOINTS.





S	TITLE	NAME		
ו	DRAFTER	S.Mango		
•	DESIGNER	R.Tait		
,	CHECKED	N.Freeman		Member of the Surbana Jurong
15014007	AUTHORISED	C.Sexton	0 0.5 1 2	C ABN 47 065 475 149
4007	REFERENCE No. 1		Scale 1:50	Tower 4, Level 20, 727 Collins Street Melbourne, Vic, 3008, Australia
u®	REFERENCE No. 2		SCALE AS SHOWN AT A1	03 5581 3758



ALAMORA Varmeit

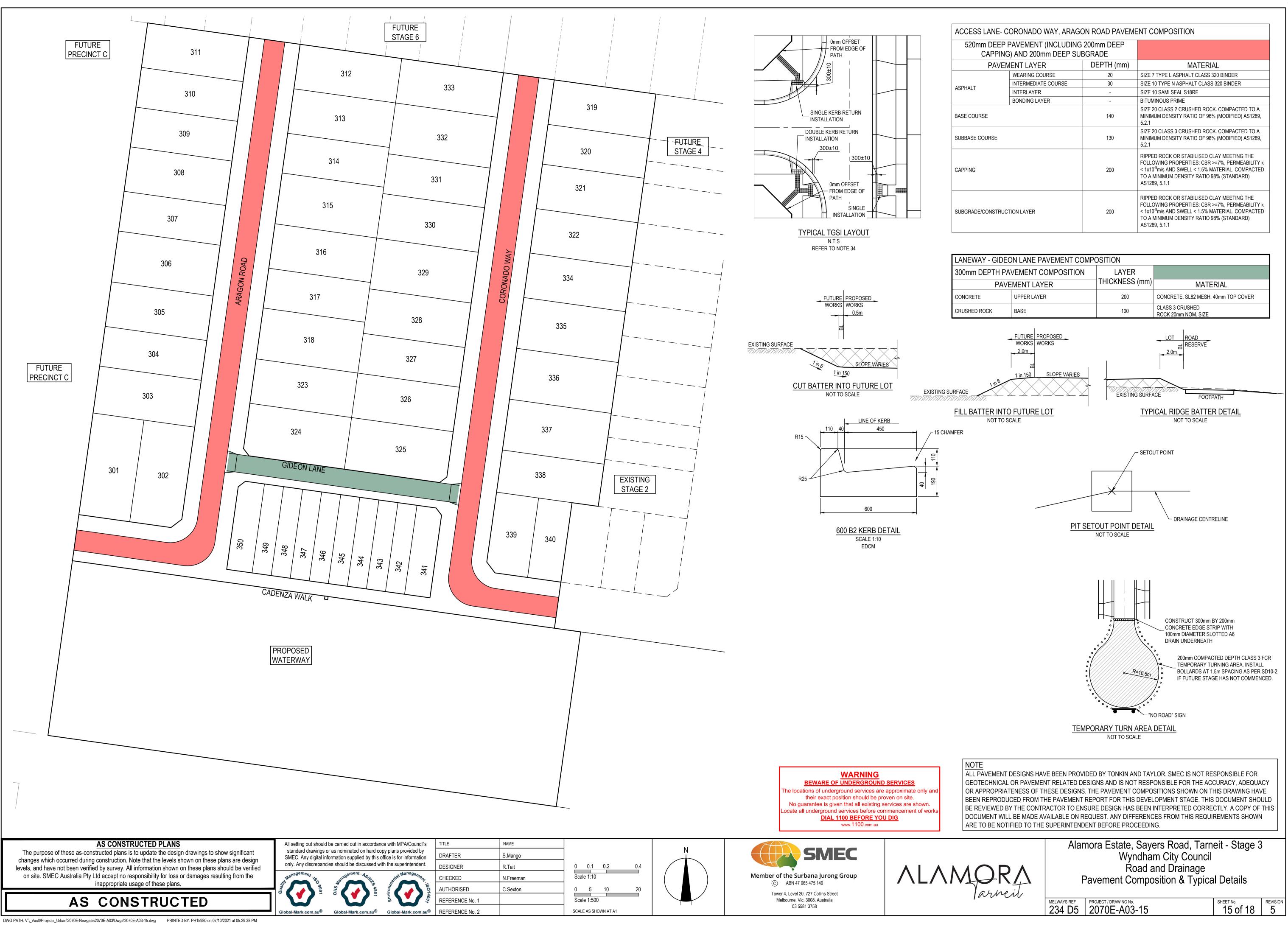


Alamora Estate, Sayers Road, Tarneit - Stage 3 Wyndham City Council Road and Drainage Concrete Joints Plan & Details

sheet No. REVISION 14 of 18 3

SHEET No.

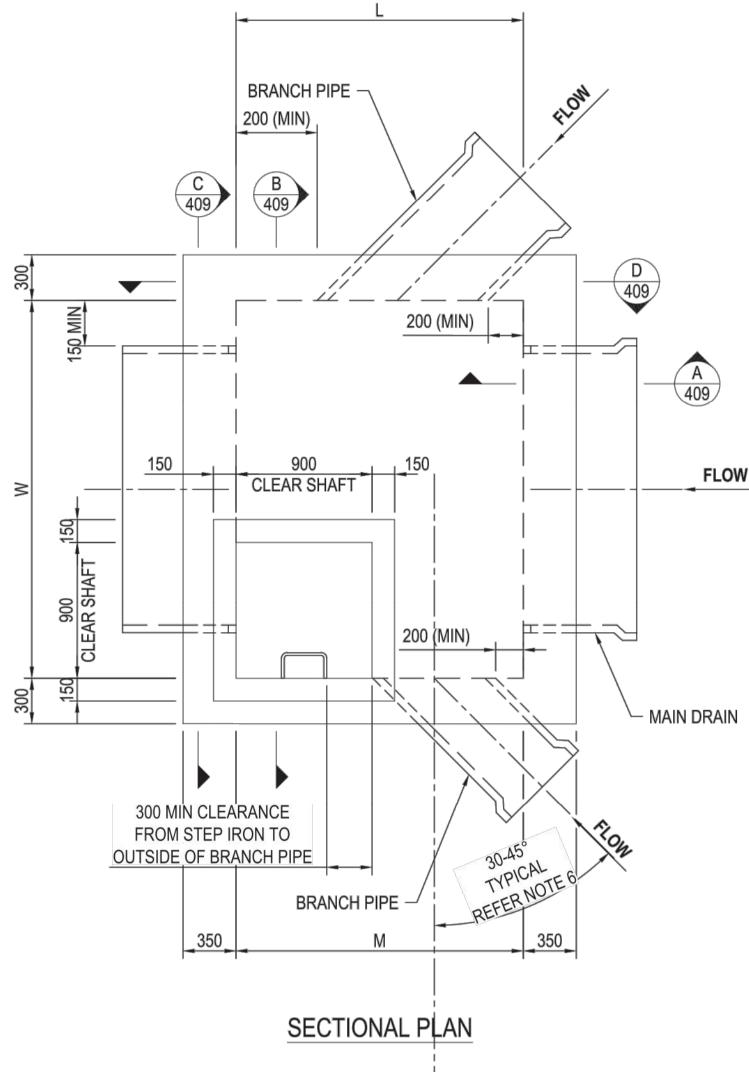
MELWAYS REF PROJECT / DRAWING No. 234 D5 2070E-A03-14



SS LANE- C	ORONADO WAY, ARAGO	ON ROAD PAVEM	ENT COMPOSITION
	PAVEMENT (INCLUDING 6) AND 200mm DEEP SUI		
PAVEN	IENT LAYER	DEPTH (mm)	MATERIAL
	WEARING COURSE	20	SIZE 7 TYPE L ASPHALT CLASS 320 BINDER
Ŧ	INTERMEDIATE COURSE	30	SIZE 10 TYPE N ASPHALT CLASS 320 BINDER
T	INTERLAYER	-	SIZE 10 SAMI SEAL S18RF
	BONDING LAYER	-	BITUMINOUS PRIME
OURSE		140	SIZE 20 CLASS 2 CRUSHED ROCK. COMPACTED TO A MINIMUM DENSITY RATIO OF 96% (MODIFIED) AS1289, 5.2.1
SE COURSE		130	SIZE 20 CLASS 3 CRUSHED ROCK. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289, 5.2.1
IG		200	RIPPED ROCK OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ m/s AND SWELL < 1.5% MATERIAL. COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1
ADE/CONSTRUCTION LAYER		200	RIPPED ROCK OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ m/s AND SWELL < 1.5% MATERIAL. COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1

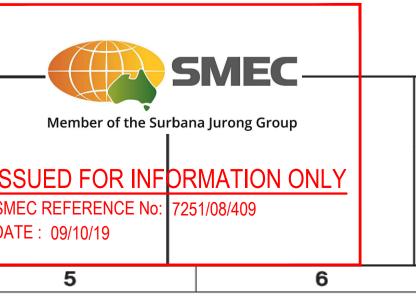
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,								
0000								
		OTES:						
В					TO 4000			
	1.		TAILS JUNCTION PITS FOR MAIN P					
	2.	THE WIDTH AND HE	EIGHT OF THE PIT SHALL BE DETE	RMINED FROM THE N	ain drain dian	METER AS SHOWI	N IN TABLE.	
	3.		IE PIT SHALL BE THE GREATER OI E BRANCH PIPE IS ADJACENT TO T			THE BRANCH PIP	E DIAMETER	
	4	THE ACCESS SHAF	T SHALL BE LOCATED ON THE SID	E WITH THE SMALLE	R BRANCH PIPE			
	5.	ASSETS TO BE VES	TED IN THE COUNCIL SHALL BE C	ONSTRUCTED IN AC	CORDANCE WIT	H RELEVANT COU	JNCIL	
c		STANDARDS.						
	6	PREFERENCE SHAL PERPENDICULAR.	L BE GIVEN TO ANGLING BRANCH	DRAINS DOWNSTR	EAM AT 45 DEGR	REES FROM THE		
	7.	BRANCH PIPE SHAL	L NOT BE LOCATED IN THE ACCE	SS SHAFT AND SHAL	L BE 300mm CLE	EAR OF STEP IRO	NS.	
	- 8	BRANCH PIPES SHA	ALL NOT BE CONNECTED TO ANY	PIT CORNERS. 200m	n CLEARANCE IS		WEEN THE	
		OUTSIDE FACE OF POSSIBLE.	THE PIPE AND THE INTERNAL COP	RNER OF THE PIT. PI	PE OBVERTS AR	E TO MATCH WHE	ERE	
	9.		CLASS D CAST IRON, CONCRETE I			NCE WITH AS 399	96. VENTS IN	
D			IISH FLUSH WITH THE SURROUND	-	L.			
			REQUIRED FOR SURFACE DRAINA					
	_		OVER SHALL BE PROVIDED AS PE			INIS BUILD UP IS I	INELY.	
		THE SURROUNE	DING SURFACE SHALL BE SHAPED) TO DIVERT RUNOF	TO THE PIT.			
		0.50 AND A WHEEL	OWN ON THIS DRAWING HAVE BE LOAD OF 80 kN. THE REQUIREMEN HE DESIGNER HAVING REGARD TO	NTS OF WALL THICK				
1			HE RESPONSIBILITY TO ENSURE	THAT THE NOMINATE	D MELBOURNE	WATER STANDAF	۲D	
E		DRAWINGS ARE SU	TTABLE FOR PROJECT USE.					
E	14	. DESIGN ENGINEER	TO CARRY OUT SAFETY IN DESIG	N RISK ASSESSMEN	T FOR ANY DESI	IGN INCORPORAT	ING	
E		 DESIGN ENGINEER MELBOURNE WATE THE DESIGNER IS 1 	TO CARRY OUT SAFETY IN DESIG	FILLING METHODOL				
E	1	 DESIGN ENGINEER MELBOURNE WATE THE DESIGNER IS T BACKFILLING TO CO 	TO CARRY OUT SAFETY IN DESIG R STANDARD DRAWINGS. TO CONSIDER JUNCTION PIT BACK	KFILLING METHODOL 9.	OGY DURING TH	IE DESIGN PROCI		1
	1	 DESIGN ENGINEER MELBOURNE WATE THE DESIGNER IS T BACKFILLING TO CO JUNCTION PITS ARI 	TO CARRY OUT SAFETY IN DESIG R STANDARD DRAWINGS. TO CONSIDER JUNCTION PIT BACK OMPLY WITH DRAWING 7251/08/41	KFILLING METHODOL 9. JCTED IN ACCORDAN	OGY DURING TH	IE DESIGN PROCI		1
F		 DESIGN ENGINEER MELBOURNE WATE THE DESIGNER IS T BACKFILLING TO CO JUNCTION PITS ARI ALL CONCRETE SH 	TO CARRY OUT SAFETY IN DESIG R STANDARD DRAWINGS. TO CONSIDER JUNCTION PIT BACK OMPLY WITH DRAWING 7251/08/41 E TO BE DESIGNED AND CONSTRU	KFILLING METHODOL 9. JCTED IN ACCORDAN R CEMENT RATIO OF	OGY DURING TH	IE DESIGN PROCI		1
		 DESIGN ENGINEER MELBOURNE WATE THE DESIGNER IS T BACKFILLING TO CO JUNCTION PITS ARI ALL CONCRETE SH MINIMUM CONCRET 	TO CARRY OUT SAFETY IN DESIG R STANDARD DRAWINGS. TO CONSIDER JUNCTION PIT BACK OMPLY WITH DRAWING 7251/08/41 E TO BE DESIGNED AND CONSTRU ALL BE S40 WITH MAXIMUM WATE TE COVER TO REINFORCEMENT TO	KFILLING METHODOL 9. JCTED IN ACCORDAN R CEMENT RATIO OF O BE 50mm.	OGY DURING TH NCE WITH AS 360	IE DESIGN PROCI	ESS. PIPE	
		 DESIGN ENGINEER MELBOURNE WATE THE DESIGNER IS T BACKFILLING TO CO JUNCTION PITS ARI ALL CONCRETE SH MINIMUM CONCRET THE CONTRACTOR 	TO CARRY OUT SAFETY IN DESIG R STANDARD DRAWINGS. TO CONSIDER JUNCTION PIT BACK OMPLY WITH DRAWING 7251/08/41 E TO BE DESIGNED AND CONSTRU ALL BE S40 WITH MAXIMUM WATE	KFILLING METHODOL 9. JCTED IN ACCORDAN R CEMENT RATIO OF O BE 50mm. S AND APPROVALS F	OGY DURING TH NCE WITH AS 360	IE DESIGN PROCI	ESS. PIPE	
		 DESIGN ENGINEER MELBOURNE WATE THE DESIGNER IS T BACKFILLING TO CO JUNCTION PITS ARI ALL CONCRETE SH MINIMUM CONCRET MINIMUM CONCRET THE CONTRACTOR COMMENCING WOF THE DESIGN DOES 	TO CARRY OUT SAFETY IN DESIG R STANDARD DRAWINGS. TO CONSIDER JUNCTION PIT BACK OMPLY WITH DRAWING 7251/08/41 E TO BE DESIGNED AND CONSTRU ALL BE S40 WITH MAXIMUM WATE TE COVER TO REINFORCEMENT TO TO OBTAIN NECESSARY PERMITS RKS ON MELBOURNE WATER ASSI NOT COVER JUNCTION PIT OVER	KFILLING METHODOL 9. JCTED IN ACCORDAN R CEMENT RATIO OF O BE 50mm. S AND APPROVALS F ETS. EXISTING ASBESTOR	OGY DURING TH NCE WITH AS 360 7 0.50.	IE DESIGN PROCE	ESS. PIPE	
	- 15 - 17 - 18 - 19 - 20	 DESIGN ENGINEER MELBOURNE WATE THE DESIGNER IS T BACKFILLING TO CO JUNCTION PITS ARI ALL CONCRETE SH MINIMUM CONCRET MINIMUM CONCRET THE CONTRACTOR COMMENCING WOF THE DESIGN DOES REQUIRED FROM M 	TO CARRY OUT SAFETY IN DESIG R STANDARD DRAWINGS. TO CONSIDER JUNCTION PIT BACK OMPLY WITH DRAWING 7251/08/41 E TO BE DESIGNED AND CONSTRU ALL BE S40 WITH MAXIMUM WATE TE COVER TO REINFORCEMENT TO TO OBTAIN NECESSARY PERMITS RKS ON MELBOURNE WATER ASSI NOT COVER JUNCTION PIT OVER IELBOURNE WATER IN THIS SITUA	KFILLING METHODOL 9. JCTED IN ACCORDAN R CEMENT RATIO OF O BE 50mm. S AND APPROVALS F ETS. EXISTING ASBESTOR	OGY DURING TH NCE WITH AS 360 7 0.50.	IE DESIGN PROCE	ESS. PIPE	
		 DESIGN ENGINEER MELBOURNE WATE THE DESIGNER IS T BACKFILLING TO CO JUNCTION PITS ARI ALL CONCRETE SH MINIMUM CONCRET THE CONTRACTOR COMMENCING WOF THE DESIGN DOES REQUIRED FROM M ALL CONCRETE TO 	TO CARRY OUT SAFETY IN DESIG R STANDARD DRAWINGS. TO CONSIDER JUNCTION PIT BACK OMPLY WITH DRAWING 7251/08/41 E TO BE DESIGNED AND CONSTRU- ALL BE S40 WITH MAXIMUM WATE TE COVER TO REINFORCEMENT TO TO OBTAIN NECESSARY PERMITS RKS ON MELBOURNE WATER ASSI NOT COVER JUNCTION PIT OVER IELBOURNE WATER IN THIS SITUA BE CAST IN SITU.	KFILLING METHODOL 9. JCTED IN ACCORDAN R CEMENT RATIO OF O BE 50mm. S AND APPROVALS F ETS. EXISTING ASBESTOR TION.	OGY DURING TH NCE WITH AS 360 7 0.50. ROM MELBOURN S PIPE LINES. FU	IE DESIGN PROCE	ESS. PIPE	
	- 15 - 15 - 17 - 18 - 15 - 20 - 21 - 21 - 21 - 21 - 21 - 21 - 21 - 21	 DESIGN ENGINEER MELBOURNE WATE THE DESIGNER IS T BACKFILLING TO CO JUNCTION PITS ARI ALL CONCRETE SH MINIMUM CONCRET MINIMUM CONCRET THE CONTRACTOR COMMENCING WOF THE DESIGN DOES REQUIRED FROM M ALL CONCRETE TO FOR MANHOLES LO 	TO CARRY OUT SAFETY IN DESIG R STANDARD DRAWINGS. TO CONSIDER JUNCTION PIT BACK OMPLY WITH DRAWING 7251/08/41 E TO BE DESIGNED AND CONSTRU ALL BE S40 WITH MAXIMUM WATE TE COVER TO REINFORCEMENT TO TO OBTAIN NECESSARY PERMITS RKS ON MELBOURNE WATER ASSI NOT COVER JUNCTION PIT OVER IELBOURNE WATER IN THIS SITUA	KFILLING METHODOL 9. JCTED IN ACCORDAN R CEMENT RATIO OF O BE 50mm. S AND APPROVALS F ETS. EXISTING ASBESTON TION.	OGY DURING TH NCE WITH AS 360 F 0.50. ROM MELBOURN S PIPE LINES. FL	HE DESIGN PROCH 00 AND AS 3735. NE WATER PRIOR JRTHER DESIGN A	ESS. PIPE	
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	「 LENGTH "L" / "M"	VARIATIONS TO PIT	MAX.	JM PIT			
ITE	PIPE ADJACENT LADDER "M"	PIPE OPPOSITE LADDER "L"	BRANCH DRAIN Ø	WIDTH	HEIGHT	IN Ø	
	30° - 45°	30° - 45°		"W"	"H"		
	1650	900	300	1100	1200	75	
BASE	1750	1050	375	1200	1300	50	
RO	1750	1050	375	1300	1300	25	
WA	1900	1150	450	1400	1400	00	
	2000	1300	525	1600	1600	50	
	2100	1400	600	1700	1800	00	
WALLS W DRAIN	2250	1500	675	1900	1900	50	
	2350	1650	750	2100	2100	00	
	2450	1750	825	2200	2300	50	
OTHER	2600	1900	900	2400	2400	00	

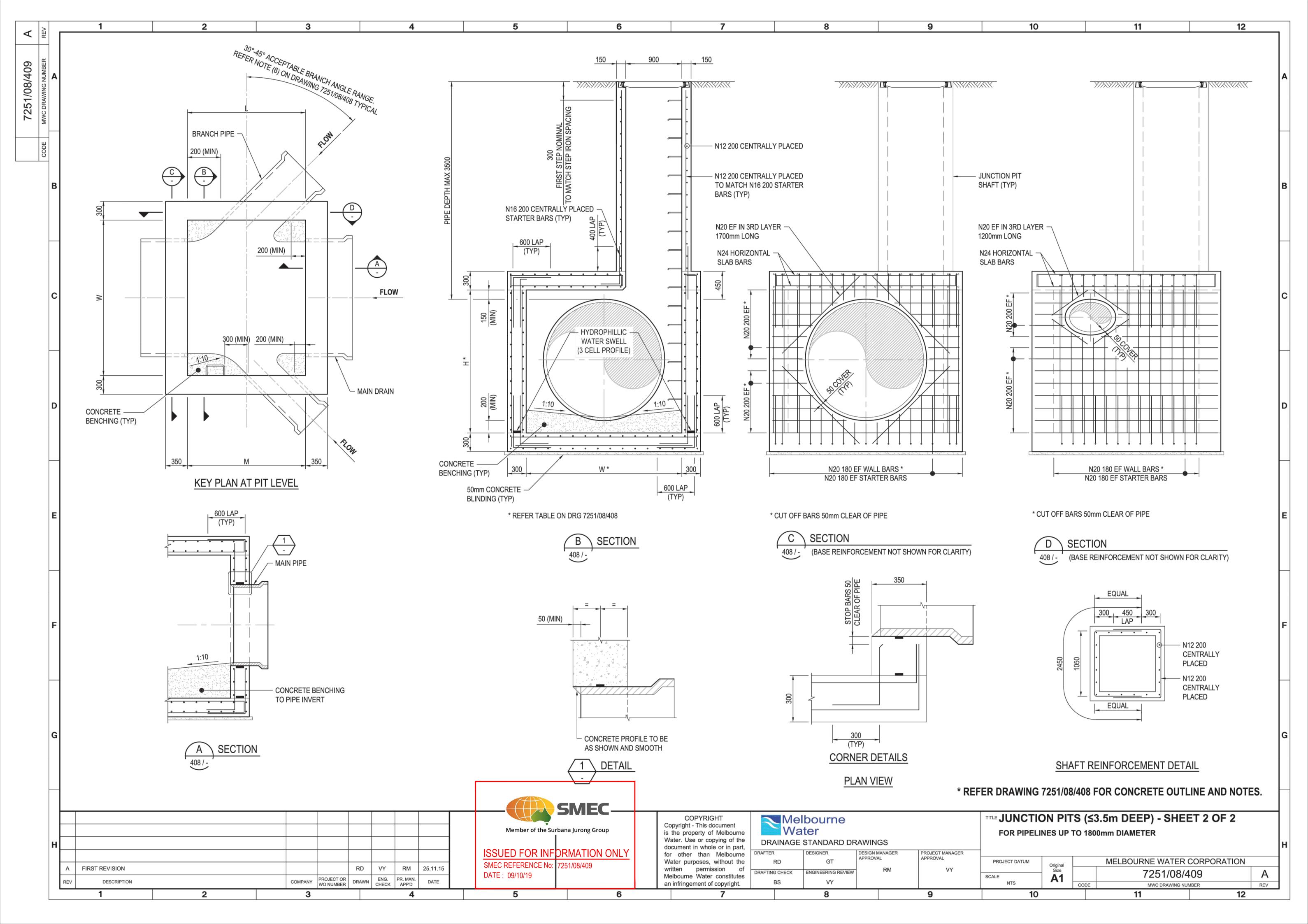
MENSIONS ARE IN mm.



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		FLOW				C
AIN CLEARANCE A STEP IRON TO E OF BRANCH PIPE BRANCH PIPE 350 M		IN DRAIN				
SECTIONAL PLA					NEDT	E
ютц "! " / "М"	REINFOR		LESS THAN 3.5m	1		
		THICKNESS		REINFORCEMENT		_
PIPE ADJACENT LADDER "M" 30° - 45°					STARTER BARS FOR WALLS AND SLABS	F
PIPE ADJACENT LADDER "M" 30° - 45° 1650	ITEM	THICKNESS	LESS THAN 3.5m	REINFORCEMENT	WALLS AND SLABS	F
IPE ADJACENT LADDER "M" 30° - 45° 1650 1750	ITEM BASE SLAB	THICKNESS 300	LESS THAN 3.5m TOP N20 180 EW	REINFORCEMENT BOTTOM N20 180 EW		F
PIPE ADJACENT LADDER "M" 30° - 45° 1650 1750 1750 1900	ITEM	THICKNESS	LESS THAN 3.5m	REINFORCEMENT	WALLS AND SLABS N16 200 EF STARTER BARS FOR	F
PIPE ADJACENT LADDER "M" 30° - 45° 1650 1750 1750	ITEM BASE SLAB ROOF	THICKNESS 300	LESS THAN 3.5m TOP N20 180 EW N24 180 EW	REINFORCEMENT BOTTOM N20 180 EW N24 180 EW	WALLS AND SLABS N16 200 EF STARTER BARS FOR ROOF N20 AT 180 OUTSIDE FACE INTO TOP OF ROOF SLAB. N16 200 INSIDE FACE INTO	F
PIPE ADJACENT LADDER "M" 30° - 45° 1650 1750 1750 1900 2000 2100 2250	ITEM BASE SLAB ROOF WALLS WALLS WITH MAIN	THICKNESS 300 300	LESS THAN 3.5m TOP N20 180 EW N24 180 EW VERTICAL	REINFORCEMENT BOTTOM N20 180 EW N24 180 EW HORIZONTAL	WALLS AND SLABSN16 200 EFSTARTER BARS FOR ROOFN20 AT 180 OUTSIDE FACE INTO TOP OF ROOF SLAB. N16 200	F
PIPE ADJACENT LADDER "M" 30° - 45° 1650 1750 1750 1900 2000 2100 2250 2350 2450	ITEM BASE SLAB ROOF WALLS WALLS WITH MAIN DRAIN PIPE	THICKNESS 300 300 300 300 300	LESS THAN 3.5m TOP N20 180 EW N24 180 EW VERTICAL N20 180 EF	REINFORCEMENT BOTTOM N20 180 EW N24 180 EW HORIZONTAL N20 200 EF	WALLS AND SLABSN16 200 EFSTARTER BARS FOR ROOFN20 AT 180 OUTSIDE FACE INTO TOP OF ROOF SLAB. N16 200 INSIDE FACE INTO SHAFT WALLSAS FOR WALLS WITH	
PIPE ADJACENT LADDER "M" 30° - 45° 1650 1750 1750 1900 2000 2100 2250 2350 2450 2600	ITEM BASE SLAB ROOF WALLS WALLS WITH MAIN DRAIN PIPE OTHER WALLS SHAFT WALLS	THICKNESS 300 300 300 300 300 350 300 150 * REFEF TITLE JUN FOR P	LESS THAN 3.5m TOP N20 180 EW N24 180 EW VERTICAL N20 180 EF State N20 180 EF N20 180 EF CENTRALLY PLACED CTION PITS (<3)	REINFORCEMENT BOTTOM N20 180 EW N24 180 EW HORIZONTAL N20 200 EF N20 200 EF N20 200 EF N12 200 CENTRALLY PLACED B/409 FOR REINFOR STM DEEP) - SHI mm DIAMETER MELBOURNE WATER	WALLS AND SLABS N16 200 EF STARTER BARS FOR ROOF N20 AT 180 OUTSIDE FACE INTO TOP OF ROOF SLAB. N16 200 INSIDE FACE INTO SHAFT WALLS AS FOR WALLS WITH PIPE - RCEMENT DETAILS RCEMENT DETAILS RCENT DETAILS RCORPORATION	
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M DOA5° NPICAL FER NOTE 6	AIN DRAIN				
<u> </u>	RCEMENT IN MA	NHOLE CHAMBER LESS THAN 3.5m	WITH DEPTH TO C	DBVERT	
ITEM	THICKNESS		REINFORCEMENT		
		ТОР	воттом	STARTER BARS FOR WALLS AND SLABS	
	200	N20 180 EW	N20 180 EW	N16 200 EF	
BASE SLAB	300				
BASE SLAB ROOF	300	N24 180 EW	N24 180 EW		_
		N24 180 EW	N24 180 EW	STARTER BARS FOR ROOF	
ROOF WALLS					
ROOF WALLS WALLS WITH MAIN	300	VERTICAL	HORIZONTAL	ROOF N20 AT 180 OUTSIDE FACE INTO TOP OF ROOF SLAB. N16 200 INSIDE FACE INTO	
ROOF WALLS WALLS WITH MAIN DRAIN PIPE	300 350 300 150	VERTICAL N20 180 EF N20 180 EF N20 180 EF N12 200 CENTRALLY PLACED	HORIZONTAL N20 200 EF N20 200 EF N12 200 CENTRALLY PLACED	ROOF N20 AT 180 OUTSIDE FACE INTO TOP OF ROOF SLAB. N16 200 INSIDE FACE INTO SHAFT WALLS AS FOR WALLS WITH PIPE -	
ROOF WALLS WALLS WITH MAIN DRAIN PIPE OTHER WALLS SHAFT WALLS	300 350 300 150 * REFER TITLE JUNG FOR PI	VERTICAL N20 180 EF N20 180 EF N20 180 EF N12 200 CENTRALLY PLACED CTION PITS (<3.	HORIZONTAL N20 200 EF N20 200 EF N12 200 CENTRALLY PLACED 8/409 FOR REINFOI 5m DEEP) - SHI mm DIAMETER	ROOF N20 AT 180 OUTSIDE FACE INTO TOP OF ROOF SLAB. N16 200 INSIDE FACE INTO SHAFT WALLS AS FOR WALLS WITH PIPE - RCEMENT DETAIL	
ROOF WALLS WALLS WITH MAIN DRAIN PIPE OTHER WALLS SHAFT WALLS	300 350 300 150 * REFER TITLE JUN FOR PL FOR PL	VERTICAL N20 180 EF N20 180 EF N20 180 EF N12 200 CENTRALLY PLACED CTION PITS (<3.	HORIZONTAL N20 200 EF N20 200 EF N20 200 EF N12 200 CENTRALLY PLACED B/409 FOR REINFOI 5m DEEP) - SHI mm DIAMETER	ROOF N20 AT 180 OUTSIDE FACE INTO TOP OF ROOF SLAB. N16 200 INSIDE FACE INTO SHAFT WALLS AS FOR WALLS WITH PIPE - RCEMENT DETAIL EET 1 OF 2	
ROOF WALLS WALLS WITH MAIN DRAIN PIPE OTHER WALLS SHAFT WALLS SHAFT WALLS	300 350 300 150 * REFER TITLE JUNG FOR PI	VERTICAL N20 180 EF N20 180 EF N20 180 EF N12 200 CENTRALLY PLACED CTION PITS (<3.	HORIZONTAL N20 200 EF N20 200 EF N12 200 CENTRALLY PLACED 8/409 FOR REINFOI 5m DEEP) - SHI mm DIAMETER	ROOF N20 AT 180 OUTSIDE FACE INTO TOP OF ROOF SLAB. N16 200 INSIDE FACE INTO SHAFT WALLS AS FOR WALLS WITH PIPE - RCEMENT DETAIL EET 1 OF 2 R CORPORATION /408	



PHASE DISCIPLIN Construction RD Roads Construction RD Roads Construction US Utilities Operational RD Roads	ds C ds C	RISK REGISTER - CONSTRUCT POTE Road Furniture / Roadside features	TION / OPERATIONS / MAINTENANCE ENTIAL RISK						s Residua	ore remaining re	
ConstructionRDRoadsConstructionRDRoadsConstructionUSUtilitiesOperationalRDRoads	ds C ds C	POTE coad Furniture / Roadside features								•	
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ConstructionRDRoadsConstructionRDRoadsConstructionUSUtilitiesOperationalRDRoads	ds C ds C	POTE coad Furniture / Roadside features			POTENTIAL	POTENTIAL ELIMINATION MEASURE, DESIGN INITIATIVE or CONTROL	HOW ISSUE ADDRESED IN DESIGN AND/OR	IS THE RISK ELIMINATED	Risk Likeliho	Risk	ual Residu K Risk que Rating
Construction RD Roads Construction US Utilities Operational RD Roads	ds C ds C	Construction close to live traffic		RISK OWNER	CONSEQUENCES	(Identify any Standard or Code of practice used)	CONSTRUCTION OF THE WORKS	YES/NO	d (0-5)	nce (0-	-5)
Construction RD Roads Construction US Utilities Operational RD Roads	ds C	Construction close to live traffic									
Construction RD Roads Construction US Utilitie Operational RD Roads	ds C		New works will be constructed adjacent to live traffic		Disruptions to live traffic, construction incident involving live						
Construction US Utilities Operational RD Roads			when abutting existing stages. Potential risk from culverts under construction and	Contractor	traffic.	Provide safe temporary traffic control (TCP)	TCP provided within contract	N	5	3	15
Operational RD Roads	ies or Services U		height / fall hazards	Contractor	Falling from a height	Temporary barriers to be provided	Temporary barrier provided in contract	Ν	2	5	10
Operational RD Roads	les or Services U		Vehicle conflict with utility / pit	Combractor	Personal injury, vehicle damage	Sequence works and protect with temp barrier or traffic control (TCP)	TCP provided within contract	NI			6
	ds S		Inadequate drivers response time.	Contractor 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	<u> </u>	1	4	4
Operational LS Lines		-	Potential for drivers / riders to strike signs and street		· ·	Ensure design complies with relevant standard. Undertake	Refer to appropriate standard for sign and lighting				
	s and Signs S	Signs and street lights	lights	Road Authority	Increased potential for accidents	thorough Safety Audit	offsets Adequate barrier provided as per appropriate standard where within clear zone. Culvert headwall selection in	N	1	4	4
Operational RF Road I	d Furniture	leadwalls	Potential vehicle conflict within clear zone	Road Authority	Increased potential for accidents	Establish adequate clear zone provision	accordance with authority standard	Ν	2	4	8
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)	N	2	5	10
	R	Retaining Walls	Falling from height during construction or								
			commissioning of walls and adjacent structures eg.		Folling from a baiabt	Drovido tomporany and nemerous taxain a taxain t	Drovido foncina (at haishta) duning daring a				
Construction RW Retain	ining Walls R	Retaining Wall Alignment	sewer manholes	Contractor	Falling from a height	Provide temporary and permanent fencing at top of wall. Establish adequate and accessible clear zone provision.	Provide fencing (at heights) during design process Wall located in suitable position during design process	N	1	1	1
	-		Lack of safe access/setback from road		/ Increased potential for accidents	Provide guardrail where required	and approved by authority	Ν	1	1	1
Operational _{RW} Retain	ining Walls R	Retaining Wall Height	Potential for falling from height	Road/ Local Authority	y Personal injury	Provide temporary and permanent fencing at top of wall. Structural design in accordance with standards, geotechnical	Provide fencing (at heights) during design process	N	1	5	5
Operational _{RW} Retain	<u> </u>	Retaining Wall Design	Potential for wall failure	Road/ Local Authority	/ Increased potential for accidents	conditions, end use and good practise.	Refer to structural drawings and calculations	N	1	5	5
						Provide pedestrian/bicycle friendly grates where applicable.	Design in accordance with authority and manufacturers				
Operational DR Draina	nage G	Grated Pits	Trip/fall hazard with large spaced grate	Relevant Authority	Increased potential for accidents Increased risk to maintenance	Refer to pit schedule	standards	N	3	2	6
Operational _{DR} Draina	nage N	Ion Standard Large Pits	Potential for pit failure	Relevant Authority	crews/ vehicles	Structural design in accordance with relevant design principles. Fencing to be provided where culverts/headwalls are at height	Refer to structural drawings and calculations	Ν	1	4	4
Operational DR Draina	nage C	an one Enamano, noa an ano	Potential for falling from height Children playing in large pipes / watercourses and	Relevant Authority	Increased potential for accidents	in accordance with relevant authority standards	Allow for fencing in Design Process Design in accordance with authority and manufacturers	N	1	4	4
Operational _{DR} Draina	nage C		access for maintenance	Relevant Authority	Increased potential for accidents	Grate provided to authority standards Provide safe working conditions for maintenance. Provide safe	standards	Ν	2	5	10
Maintenance DR Draina	nage A	Access to Pits	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	landing/ access arrangements as per relevant authoritystandardsContractor to be certified for work in confined spaces, step	Where possible design pit in location for easy access and outside of permanent water bodies	N	2	5	10
Maintenance DR Draina	nage D	eep Pits	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	irons to be provided to appropriate authority standards. Refer to pit schedule	Design in accordance with authority standards	N	1	5	5
					Increased risk to maintenance	Provide safe working conditions for maintenance. Access as	Design pit in location for easy access as agreed with				
Maintenance DR Draina		Access to drains / culverts	Lack of safe access for maintenance	Relevant Authority	crews	approved by authority	authority	N	2	3	6
Construction SE Sewer	S	Sewer Manhole located adjacent to Retaining	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	N	1	1	1
Maintenance SE Sewer	er D	eep 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	N	1	5	5
Maintenance SE Sewer			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	N	1	5	5
Maintenance SE Sewer	er Pi	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	ß
		ilectricity						IN	<u>د</u>	-+	0
Operational ES Electri	trical Services E		Location of assets within clear zones e.g pits/	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	NI	2	2	6
Operational ES Electri	_	elstra	substations	A constant Authority				IN	2	3	0
Operational TE Telstra	tra To	elstra 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
		Vater							-	-	
Operational WA Water	er W		Location of assets within clear zones e.g pits/ substations	Relevant Authoritv	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
	-	jas							-	-	-
Operational GA Gas	G		Location of assets within clear zones e.g pits/ substations	Relevant Authoritv	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

AS CONSTRUCTED PLANS

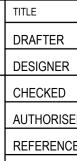
The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. 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.







DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A03\Dwgs\2070E-A03-85.dwg PRINTED BY: PH15980 on 07/10/2021 at 05:36:53 PM

	NAME
	S.Mango
	R.Tait
	N.Freeman
Ð	C.Sexton
E No. 1	
E No. 2	

SCALE AS SHOWN AT A1



Member of the Surbana Jurong Group C ABN 47 065 475 149 Tower 4, Level 20, 727 Collins Street Melbourne, Vic, 3008, Australia 03 5581 3758

ALAMORA Varneit



Alamora Estate, Sayers Road, Tarneit - Stage 3 Wyndham City Council Road and Drainage Safety In Design

MELWAYS REFPROJECT / DRAWING No.234 D52070E-A03-85

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