EXISTING NEWGATE ESTATE PROPOSED AREA OF WORKS PROPOSED AREA OF WORKS

Locality Plan

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2070E-A02-05 Intersection Detail Plan - 2

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2070E-A02-06 Longitudinal Sections

Alamora Estate Stage 2, Sayers Road, Tarneit

ROAD LAYOUT TABLE								
ROAD NAME	ROAD RESERVE	ROAD RESERVE ROAD WIDTH (m)			KERB	TYPE	VERGE WIDTH (m)	
ROAD NAME	WIDTH (m)	LIP TO LIP	INV TO INV	BACK TO BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
PIPERS STREET	16.00	6.40	7.30	7.60	B2	B2	4.20	4.20
AMARA STREET	16.00	6.40	7.30	7.60	B2	B2	4.20	4.20
ALISTER GROVE	16.00	6.40	7.30	7.60	B2	B2	4.20	4.20
CORONADO WAY	14.50	6.40	7.30	7.60	B2	B2	4.20	2.70

SERVICES OFFSET TABLE							
DOAD NAME	GAS	WATER	RECYCLED WATER	ELECTRICITY	OPTIC FIBRE		
ROAD NAME	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)		
PIPERS STREET	2.10 E	3.10 E	2.60 E	2.30 W	1.80 W		
AMARA STREET	2.10 W	3.10 W	2.60 W	2.30 E	1.80 E		
ALISTER GROVE	2.10 N	3.10 N	2.60 N	2.50 S	1.80 S		
CORONADO WAY	2.10 N	3.10 N	2.60 N	0.90 S	0.30 S		

TBM SETOUT TABLE						
POINT	EAST	NORTHING	ELEVATION	DESCRIPTION		
C126SSPL	292,019.27	5,808,710.17	44.76	STEEL STAR PICKET		
C31SSPG	291,654.25	5,808,412.97	43.99	STEEL STAR PICKET		
C39SSPG	292,434.86	5,808,218.41	41.90	STEEL STAR PICKET		

TBM SETOUT TABLE						
POINT	EAST	NORTHING	ELEVATION	DESCRIPTION		
C161SSPL	291,974.57	5,808,541.41	43.56	STEEL STAR PICKET		
C307SSPL	292,092.01	5,808,527.94	43.85	STEEL STAR PICKET		
C306SSPL	292,020.52	5,808,401.74	43.58	STEEL STAR PICKET		

SEMER 100 OFF BDV SEMER 100 OFF BDV OOMWS 180m OFF BDV ELECTRICITY 2.30m OFF BDV ELECTRICITY 2.30m OFF BDV OOWNS 180m OFF BDV OOWNS 180m OFF BDV

16.0m ROAD RESERVE

AMARA STREET, PIPERS STREET AND ALISTER

GROVE

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WARNING

SAFETY MEASURES REQUIRED

Please note there are risks attached to the construction of this project, and any ongoing maintenance of structures.

Consider the safety of all. For potential risks, consequences and controls refer to Safety In Design Risk Register SID P4.E6. 2070E-A02-85

ASSESS THE RISK - STAY SAFE

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.

Locate all underground services before commencement of works

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EXISTING WATERWA

GENERAL NOTES (WYNDHAM CITY COUNCIL)

- 1. 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.
- 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.
- COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY RULES, AND THE MINES (TRENCHES) REGULATIONS 1982.
- 3.2. NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER
- OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.

 3.3. ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE
- WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
 THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO
- 5. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENC EXCAVATION BY CONTACTING ALL RELEVENT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON TI
- 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.
- 7. ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEADS WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS, WRITTEN DIMENSIONS ONLY SHALL BE USED.
- 8. 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.
- 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 (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THE MATERIAL (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THE MATERIAL (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL DEGAOUR OR PLASTELINE (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL DEGAOUR OR PLASTELINE (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL DEGAOUR OR PLASTELINE (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL DEGAOUR OR PLASTELINE (MATERIAL DEGAOUR OR PLASTELINE) AND LONGITUDINAL DEGAOUR OR PLASTELINE (MATERIAL DEG
- (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
- 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.
- 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 TO BE INSTALLED AT 6m FROM THE LOW SIDE BOUNDARY U.N.O.
- 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. ADDITIONAL AND OVER-EXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATION.
- 25. FOOTPATH CROSSFALL TO BE 1:50

FRONT OF PATH/BUILDING LINE.

- 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.
- 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 ENVIRONMENTA
- 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
- 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.
- 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 495m

 TOTAL LENGTH OF DRAINS CONSTRUCTED IS 934m
- TOTAL LENGTH OF DRAINS CONSTRUCTED IS 834m 34. ALL TGSI TO BE INSTALLED IN ACCORDANCE WITH AS1428.

REINFORCED 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.

SEWER 1.00

1 in 30

1 in 30

1 in 30

14.50m ROAD RESERVE CORONADO WAY

AS CONSTRUCTED PLANS

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

AS CONSTRUCTED

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ussed with the superintendent.

DRAFTER D.Rapson

DESIGNER A.Famili

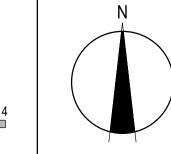
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AUTHORISED C.Sexton

REFERENCE No. 1

REFERENCE No. 2

55.0m EXISITING WATERWAY RESERVE



SCALE AS SHOWN AT A1

Q100 WATER LEVE

1 in 20

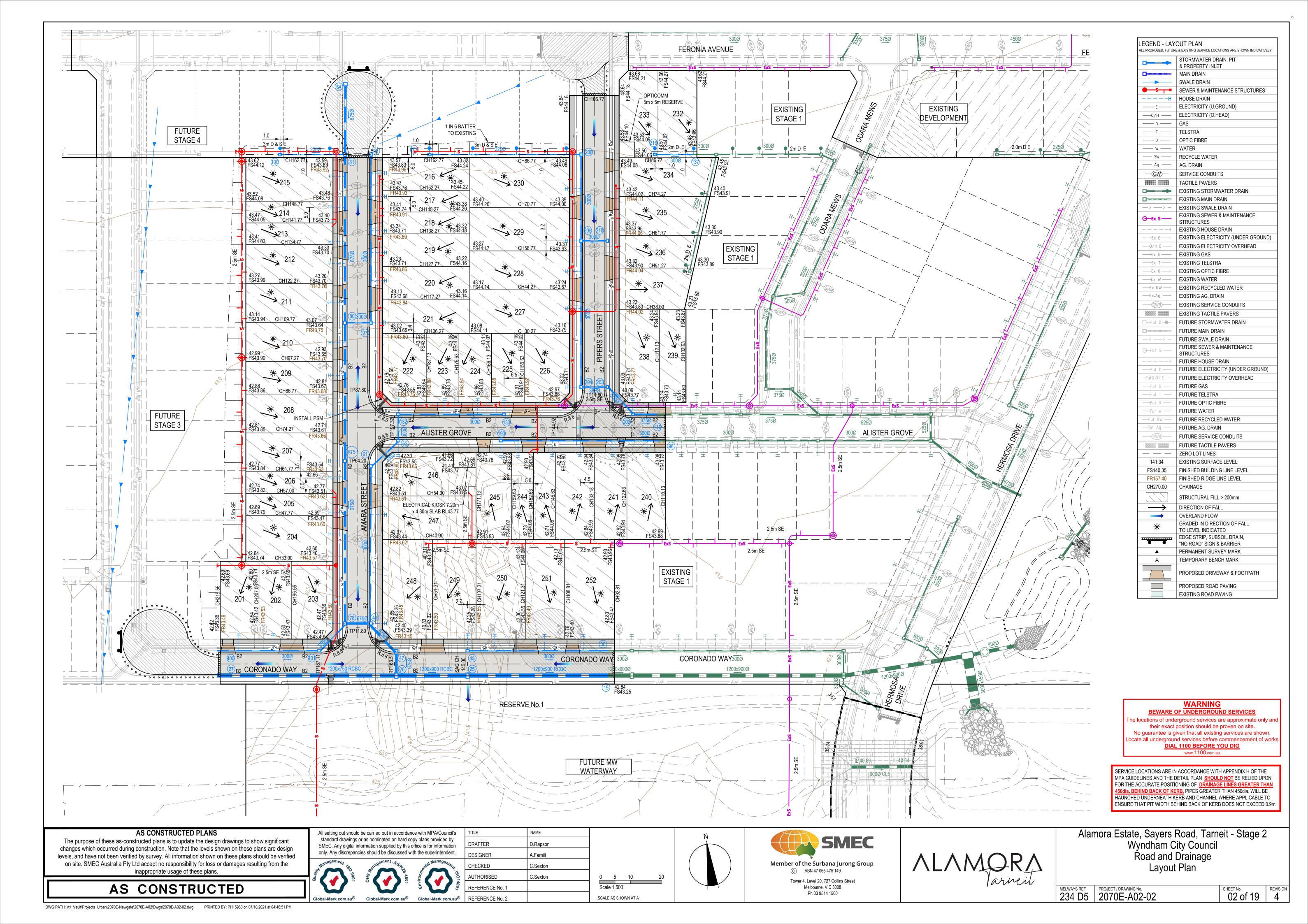




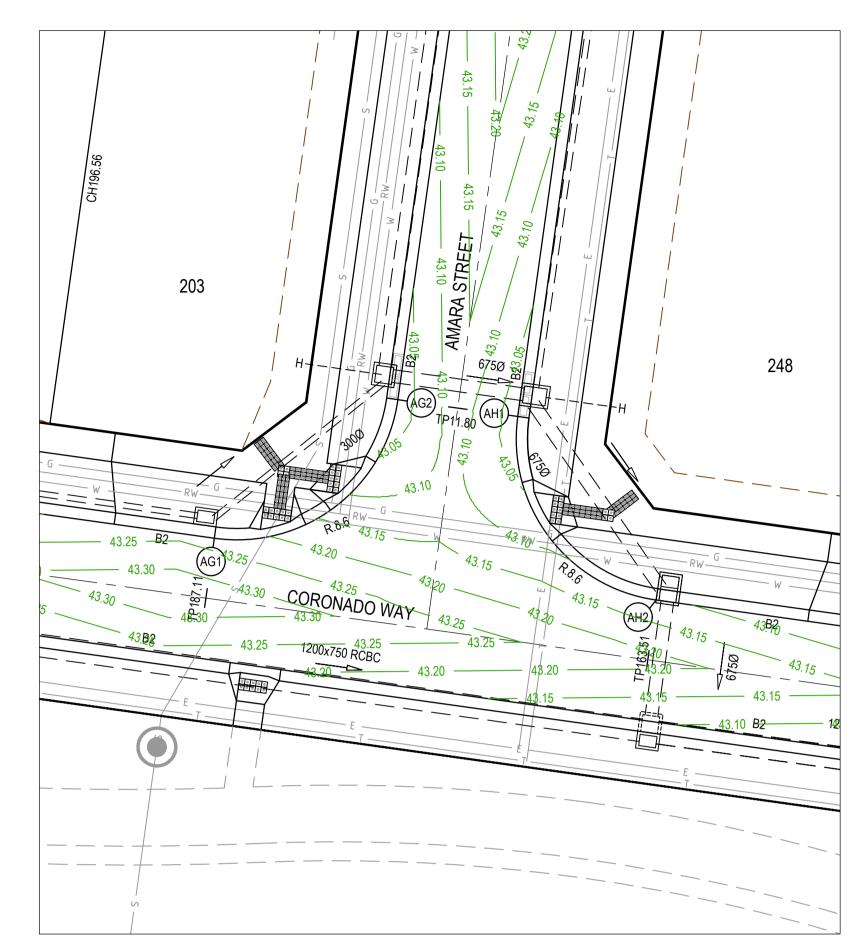
Alamora Estate, Sayers Road, Tarneit - Stage 2
Wyndham City Council
Road and Drainage
Cover Plan

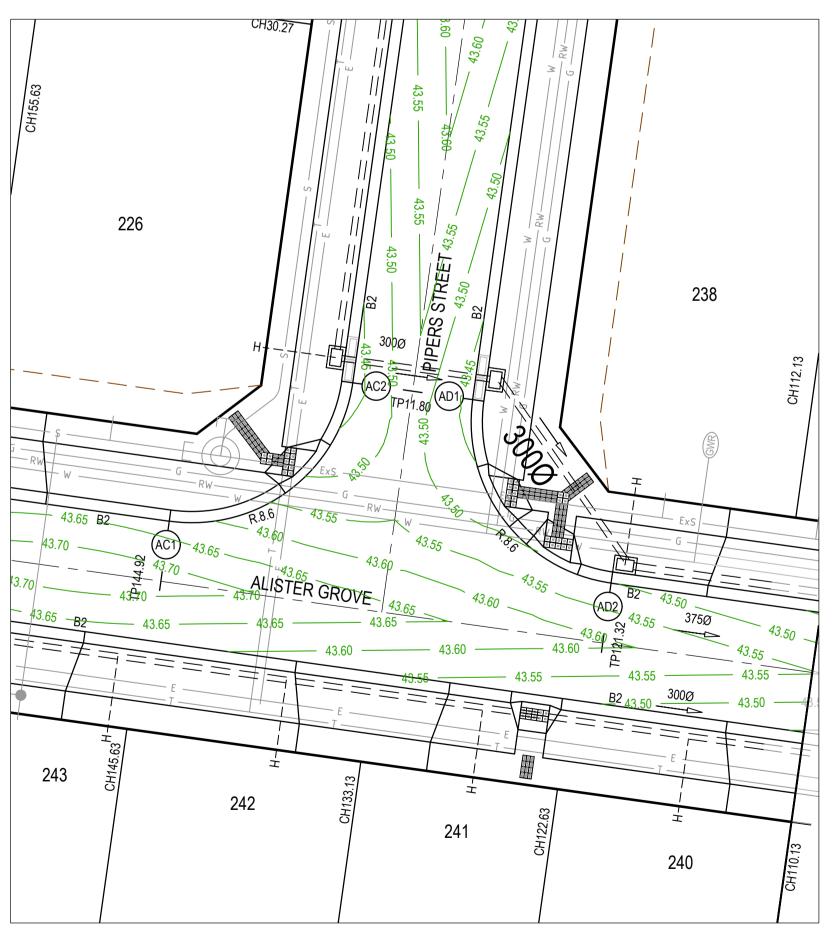
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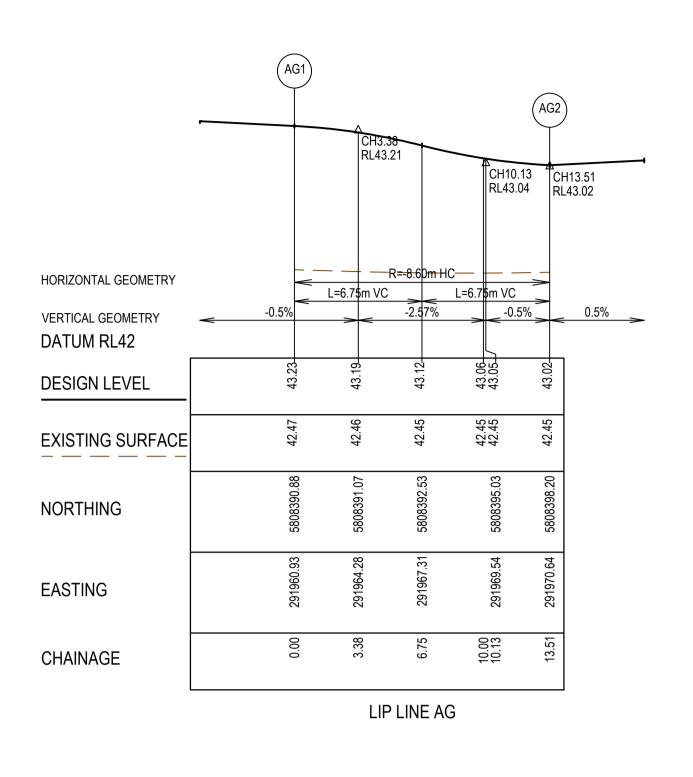
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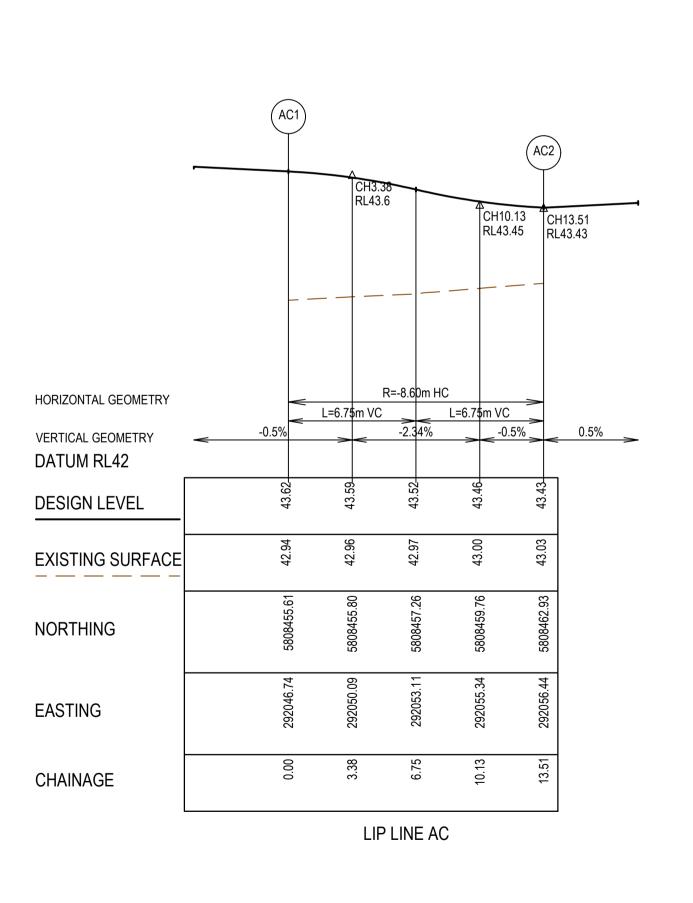


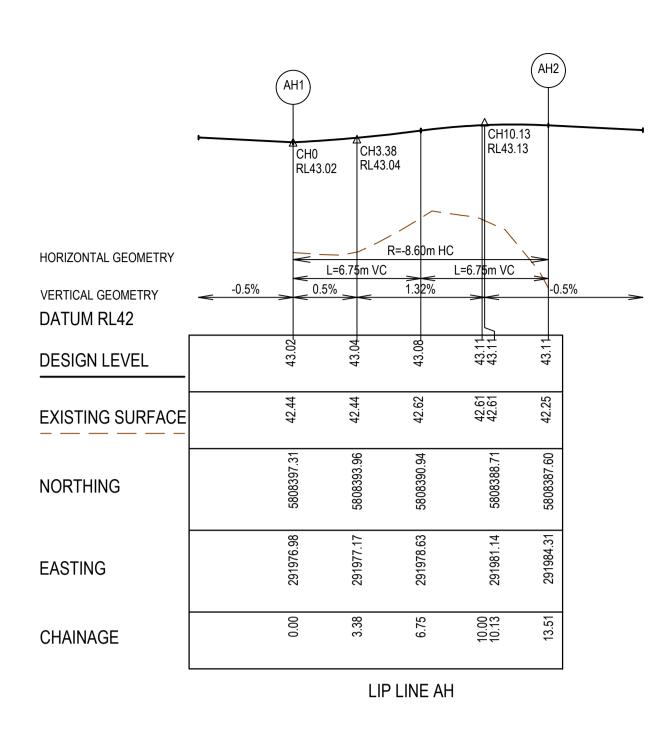


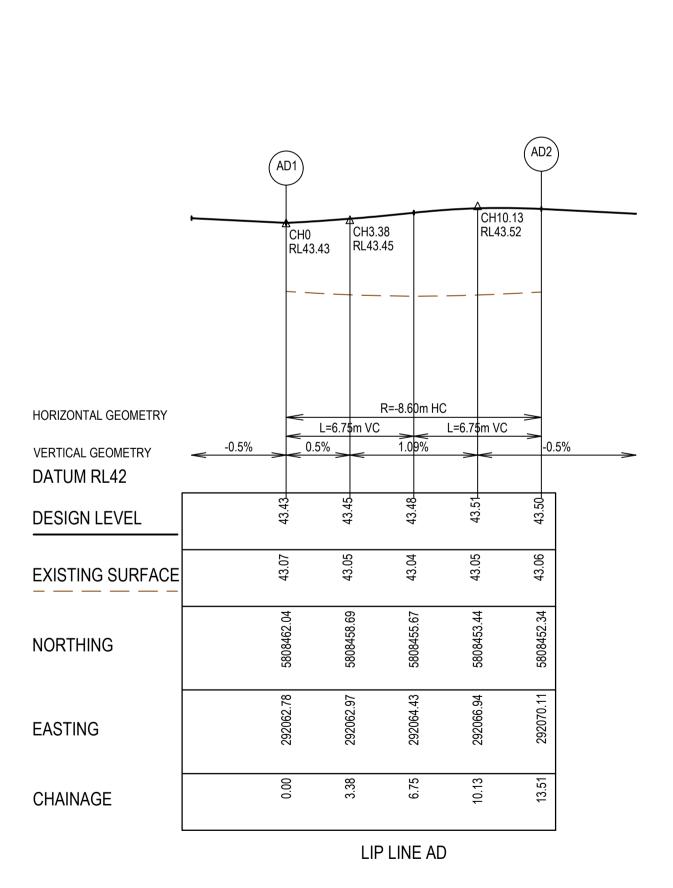












WARNING BEWARE OF UNDERGROUND SERVICES

LEGEND - INTERSECTION DETAIL PLAN

 $\Box = = = = = |$ MAIN DRAIN

----H HOUSE DRAIN

<u></u>—Ех S—

0 0 0 0 0

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ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY STORMWATER DRAIN, PIT & PROPERTY INLET

SEWER & MAINTENANCE STRUCTURES

SERVICE CONDUITS

EXISTING SEWER & MAINTENANCE

FUTURE SEWER & MAINTENANCE

EXISTING SERVICE CONDUITS

EXISTING TACTILE PAVERS FUTURE STORMWATER DRAIN

FUTURE MAIN DRAIN

FUTURE HOUSE DRAIN

FUTURE TACTILE PAVERS

FUTURE SERVICE CONDUITS

EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER

PERMANENT SURVEY MARK

TEMPORARY BENCH MARK

PROPOSED DRIVEWAY & FOOTPATH

STRUCTURES

TACTILE PAVERS □= = = = EXISTING STORMWATER DRAIN **EXISTING MAIN DRAIN**

STRUCTURES

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.

Locate all underground services before commencement of works DIAL 1100 BEFORE YOU DIG www.1100.com.au

AS CONSTRUCTED PLANS

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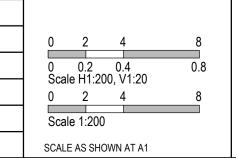
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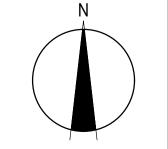
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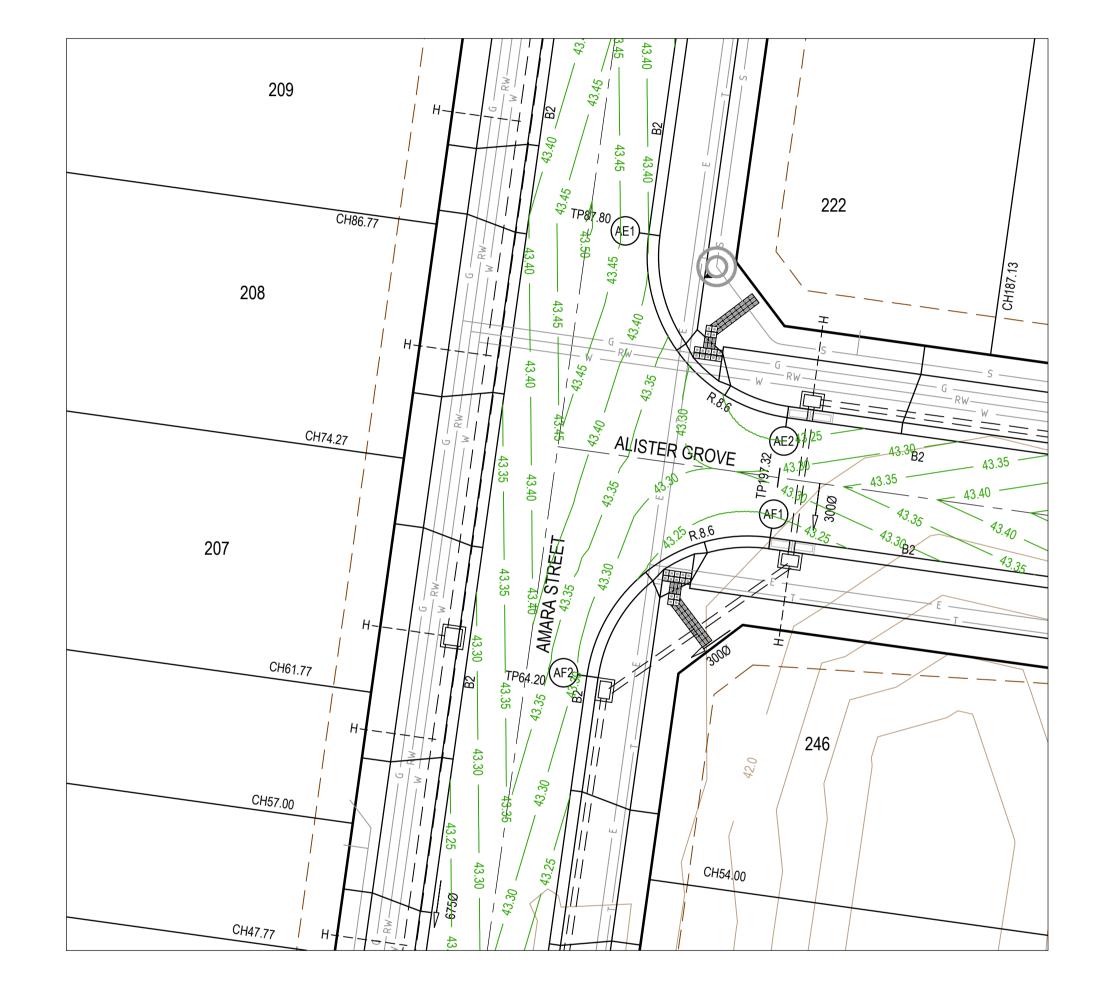


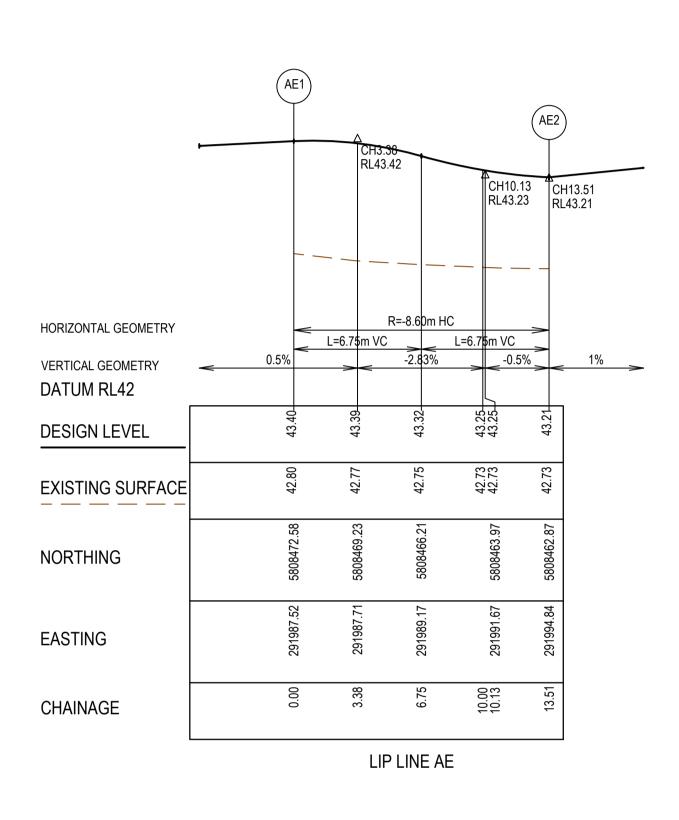


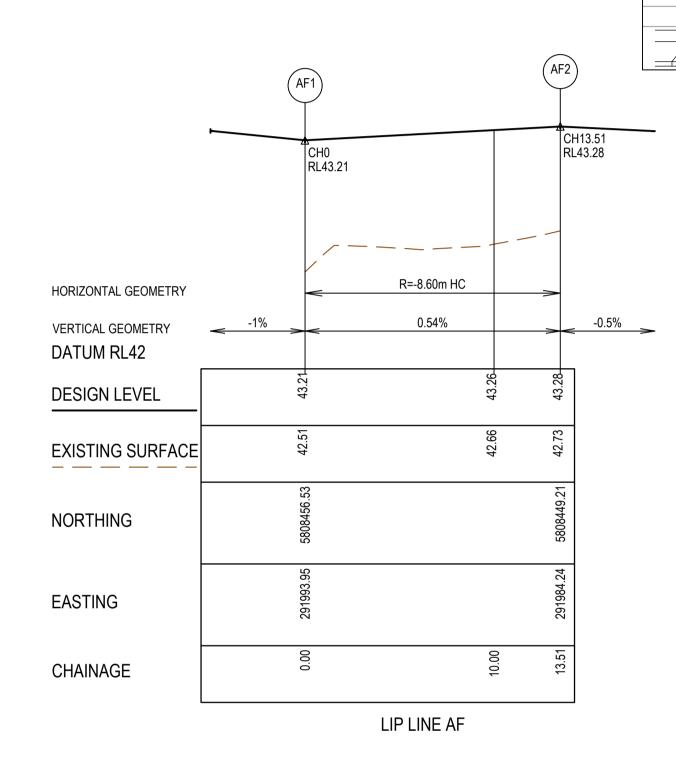


Alamora Estate, Sayers Road, Tarneit - Stage 2
Wyndham City Council
Road and Drainage
Intersection Detail Plan - 1

SHEET No. REVISION 0







WARNING BEWARE OF UNDERGROUND SERVICES

LEGEND - INTERSECTION DETAIL PLAN

STORMWATER DRAIN, PIT & PROPERTY INLET

 $\Box = = = = = |$ MAIN DRAIN

----H HOUSE DRAIN

 $\Box = = = = =$ EXISTING MAIN DRAIN

<u></u>—Ех S—

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

SEWER & MAINTENANCE STRUCTURES

SERVICE CONDUITS

EXISTING SEWER & MAINTENANCE

FUTURE SEWER & MAINTENANCE

EXISTING SERVICE CONDUITS

TACTILE PAVERS □= = = = EXISTING STORMWATER DRAIN

STRUCTURES

EXISTING TACTILE PAVERS □—Fut D—— FUTURE STORMWATER DRAIN FUTURE MAIN DRAIN

STRUCTURES

FUTURE TACTILE PAVERS

FUTURE HOUSE DRAIN

FUTURE SERVICE CONDUITS

EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER PERMANENT SURVEY MARK TEMPORARY BENCH MARK

PROPOSED DRIVEWAY & FOOTPATH

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AS CONSTRUCTED PLANS

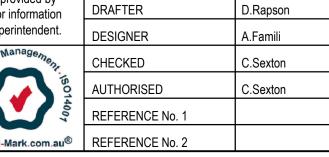
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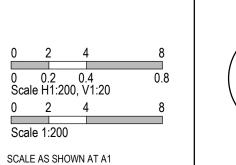
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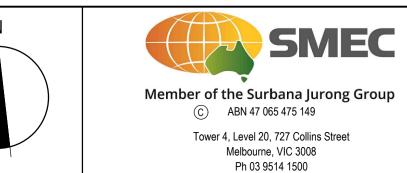
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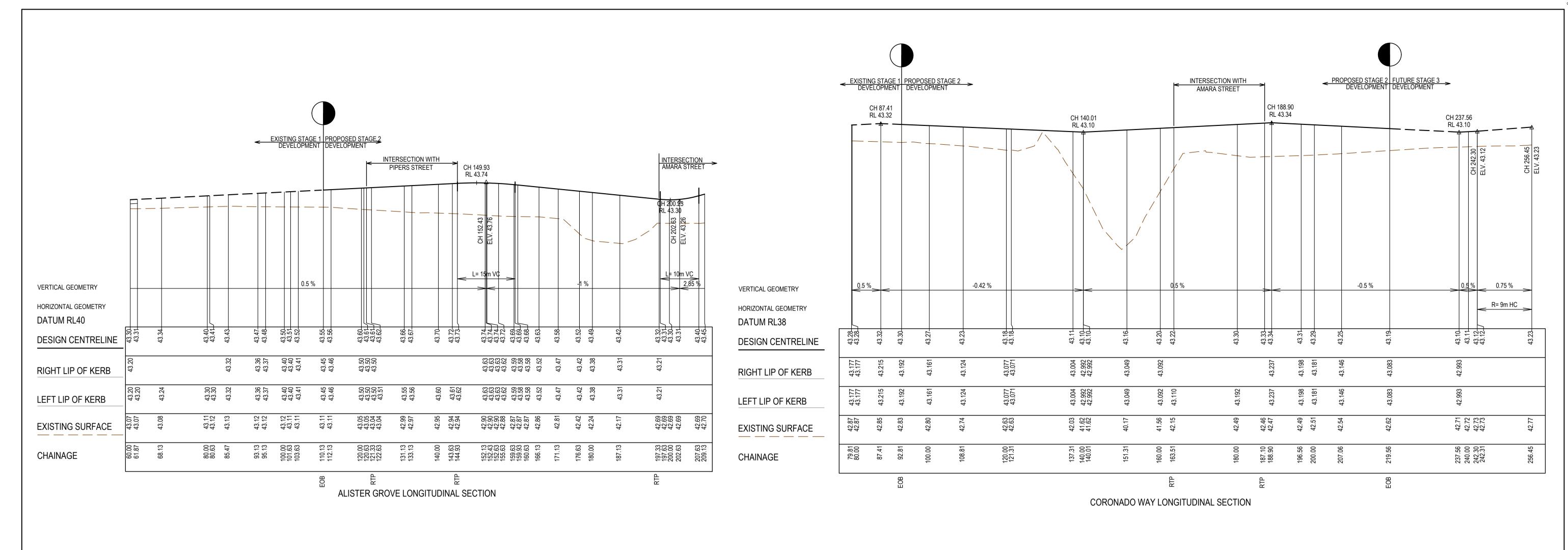


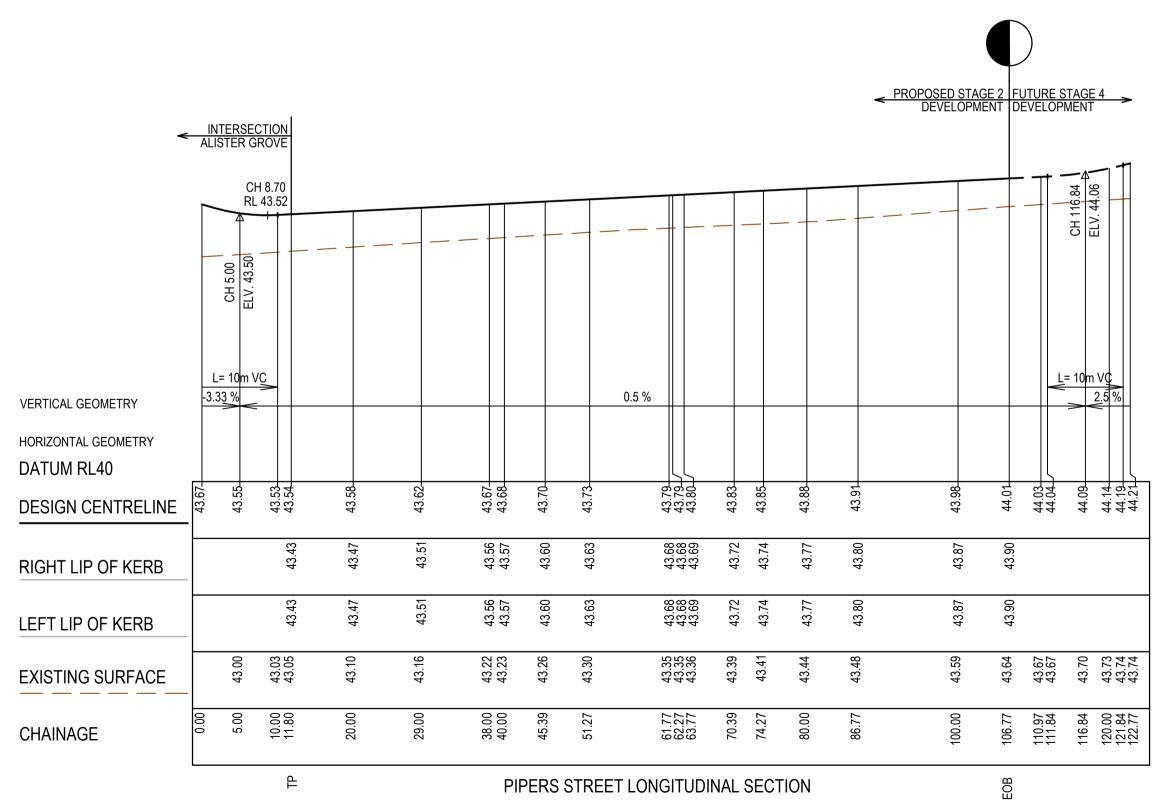


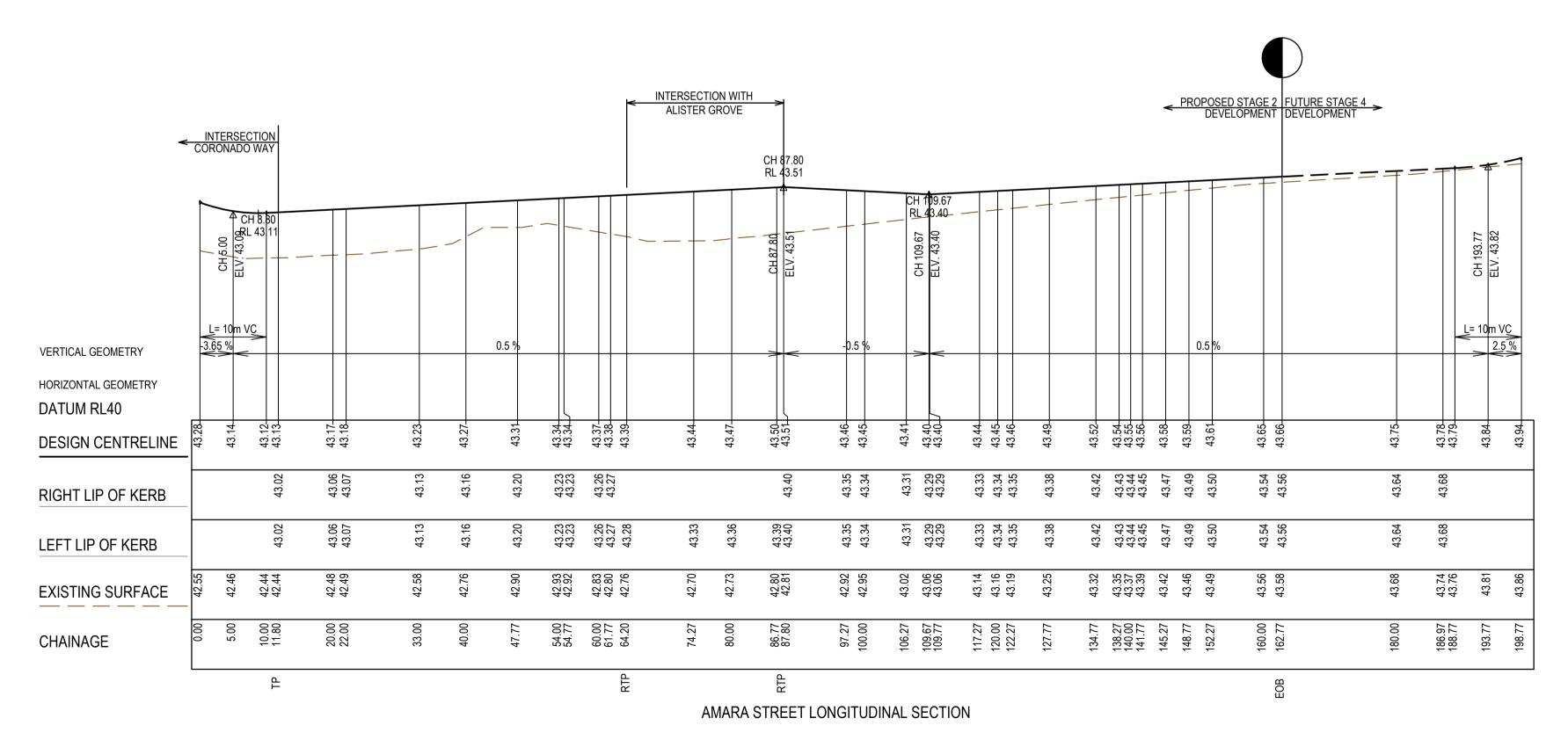
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Wyndham City Council
Road and Drainage
Intersection Detail Plan - 2

MELWAYS REF PROJECT / DRAWING No. 234 D5 2070E-A02-05

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1501	AUTHORISED	C.Sexton
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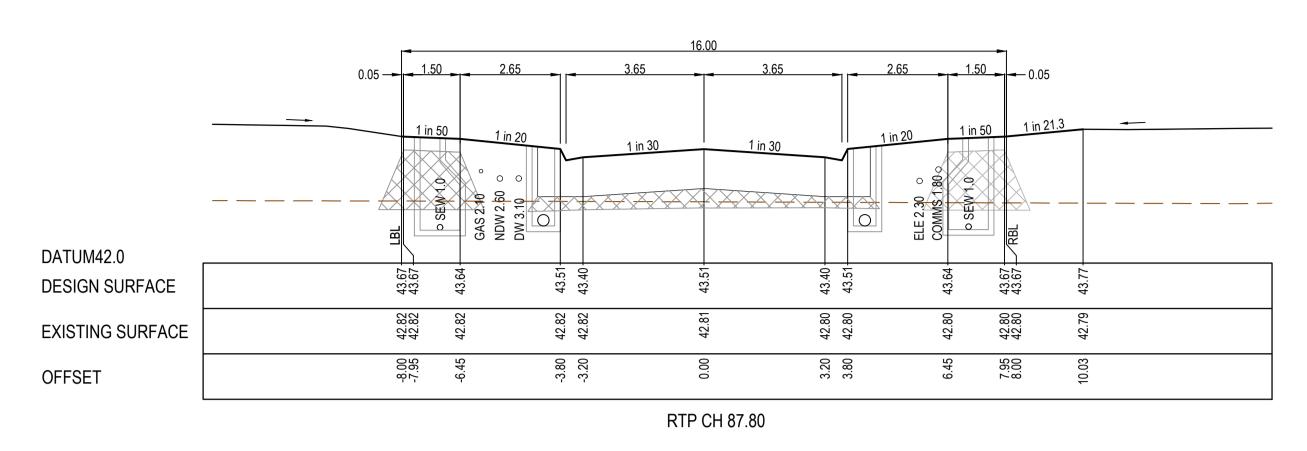


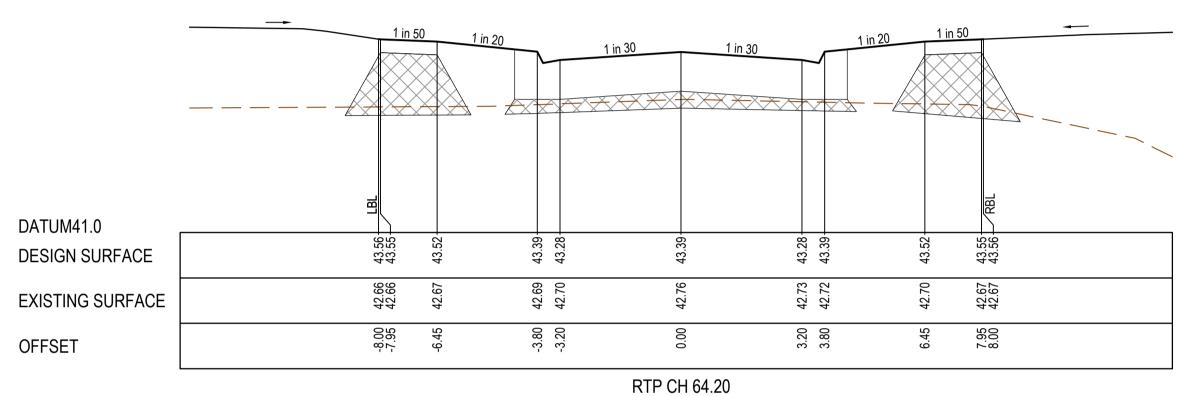
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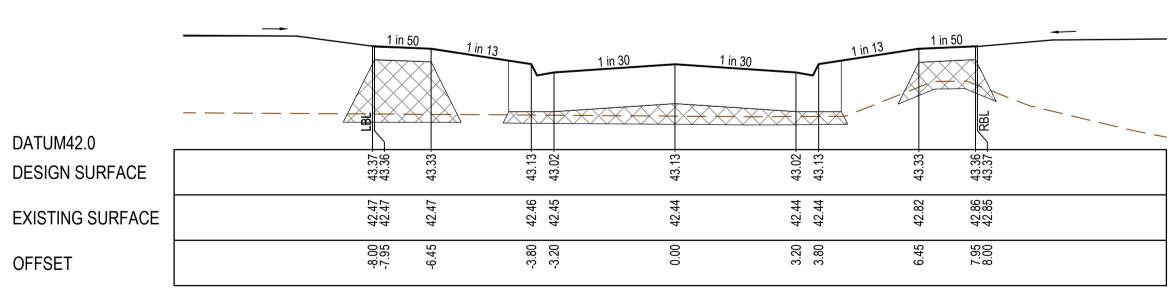
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Road and Drainage
Longitudinal Sections

MELWAYS REF PROJECT / DRAWING No. SHEET No. REVISION 06 of 19 0



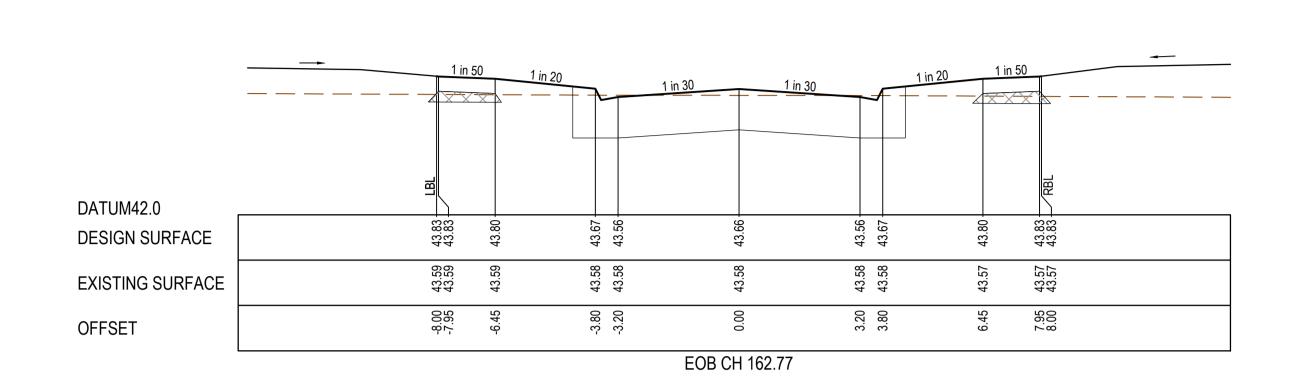


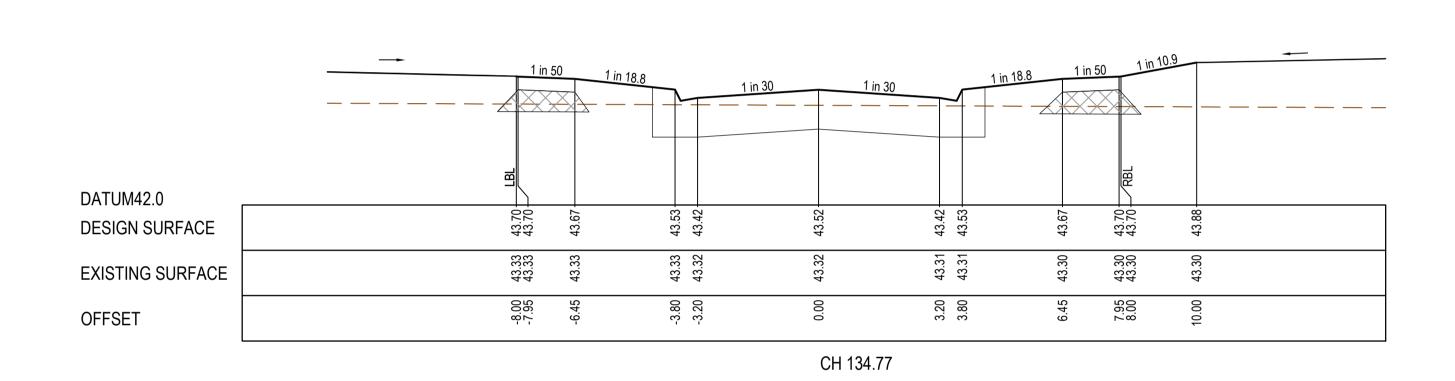
	 1 in 50	1 in 20		1 in 30	1 in 30		1 in 20	1 in 50	3BL
DATUM42.0	 _								
DESIGN SURFACE	43.44	43.40	43.27	43.16	43.27	43.16	43.27	43.40	43.43.44.
EXISTING SURFACE	42.65 42.65	42.67	42.68	42.70	42.76	43.09	43.23	43.38	42.99 42.97
OFFSET	-8.00 -7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	8.00 8.00

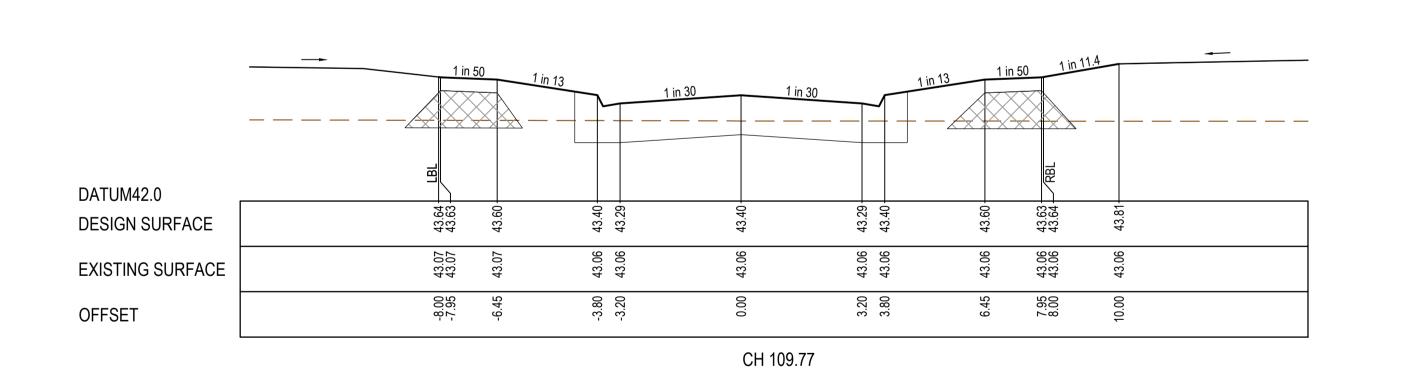


TP CH 11.80

CH 40.00







AS CONSTRUCTED PLANS

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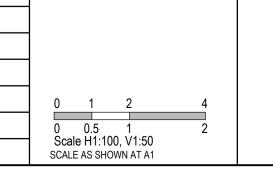
AS CONSTRUCTED

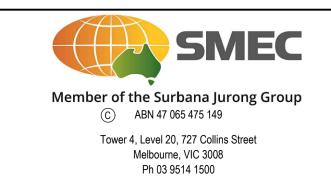
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ce is for information	DRAFTER	D.Rapson
the superintendent.	DESIGNER	A.Famili
Management, SO14007	CHECKED	C.Sexton
Wuo.	AUTHORISED	C.Sexton
400 ₇	REFERENCE No. 1	
Global-Mark.com.au®	REFERENCE No. 2	

NAME

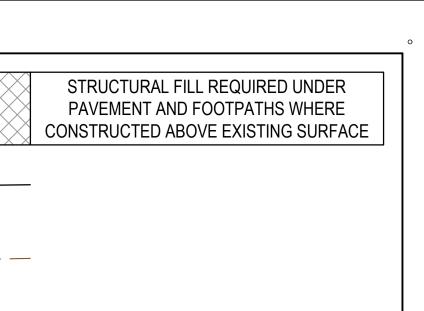


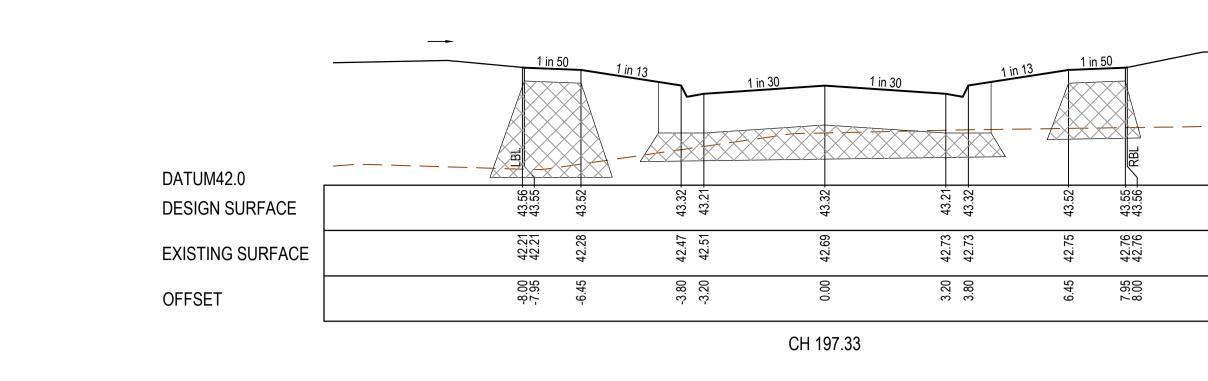


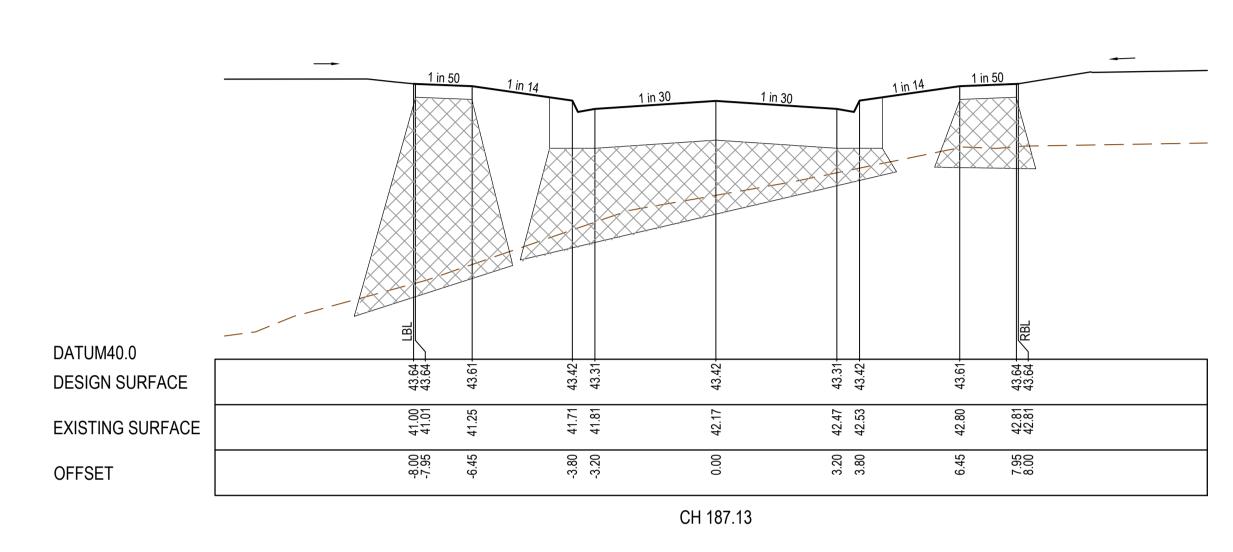


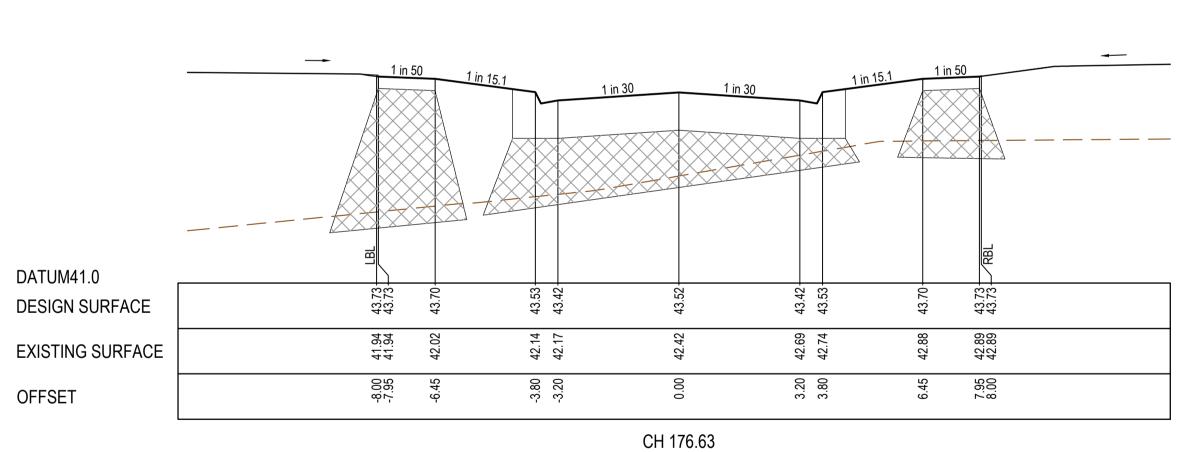
Alamora Estate, Sayers Road, Tarneit - Stage 2
Wyndham City Council
Road and Drainage
Cross Sections: Amara Street

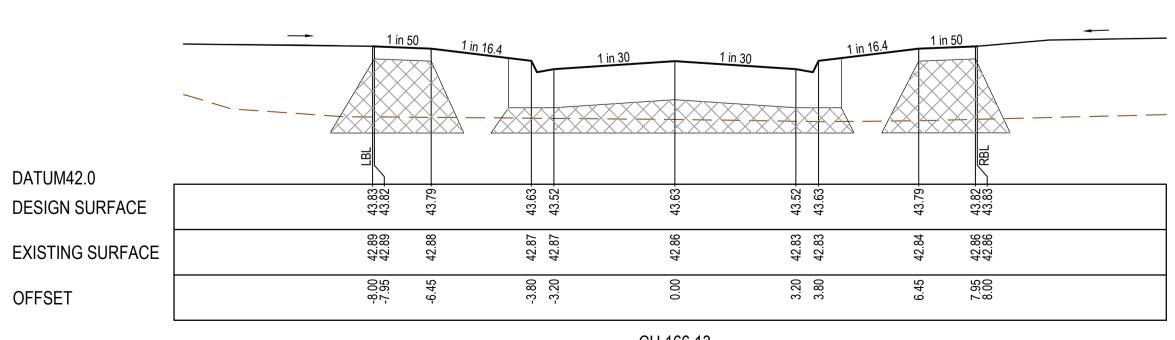
MELWAYS REF PROJECT / DRAWING No. SHEET No. REVISION 07 of 19 0





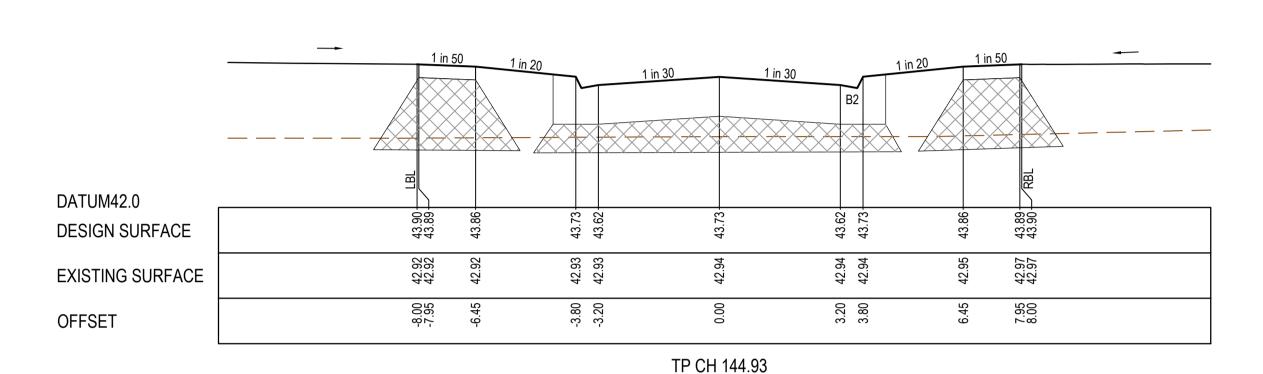


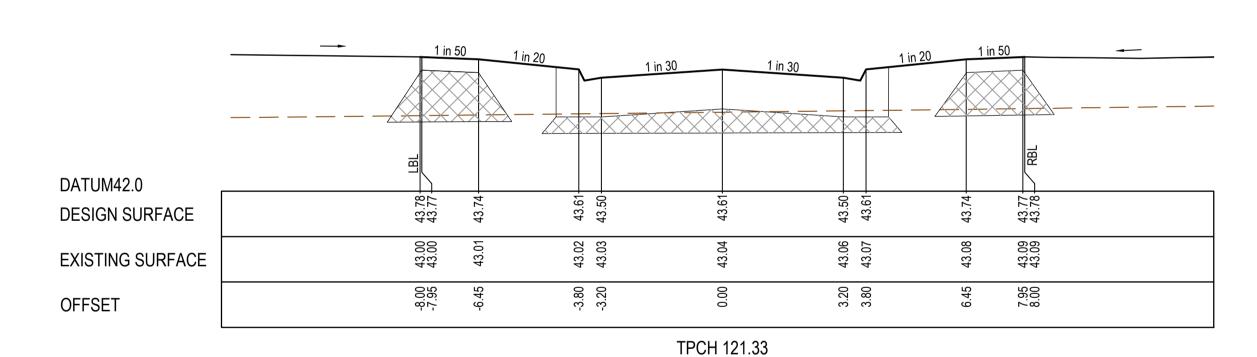


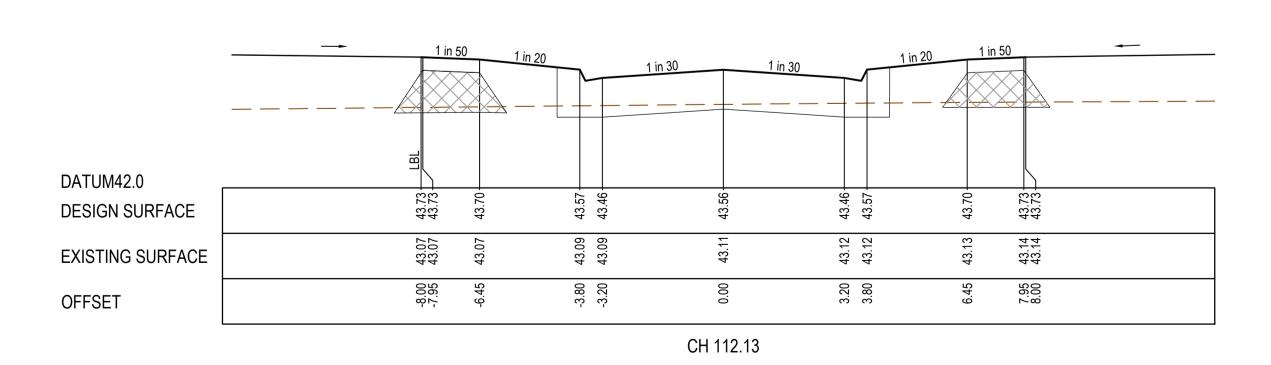


CH 166.13

1 in 50 1 in 50 1 in 30 DATUM42.0 43.91-43.90-43.73 43.90 **DESIGN SURFACE** 43. 42.91 42.91 42.90 42.90 42.89 42.89 42.88 42.88 **EXISTING SURFACE** -8.00 -7.95 3.20 7.95 8.00 OFFSET CH 155.63







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AS CONSTRUCTED PLANS

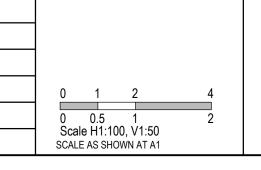
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AS CONSTRUCTED

5	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.



fice is for information	DRAFTER	D.Rapson
n the superintendent.	DESIGNER	A.Famili
Management, 15014007	CHECKED	C.Sexton
1901 No.	AUTHORISED	C.Sexton
4007	REFERENCE No. 1	
Global-Mark.com.au [®]	REFERENCE No. 2	
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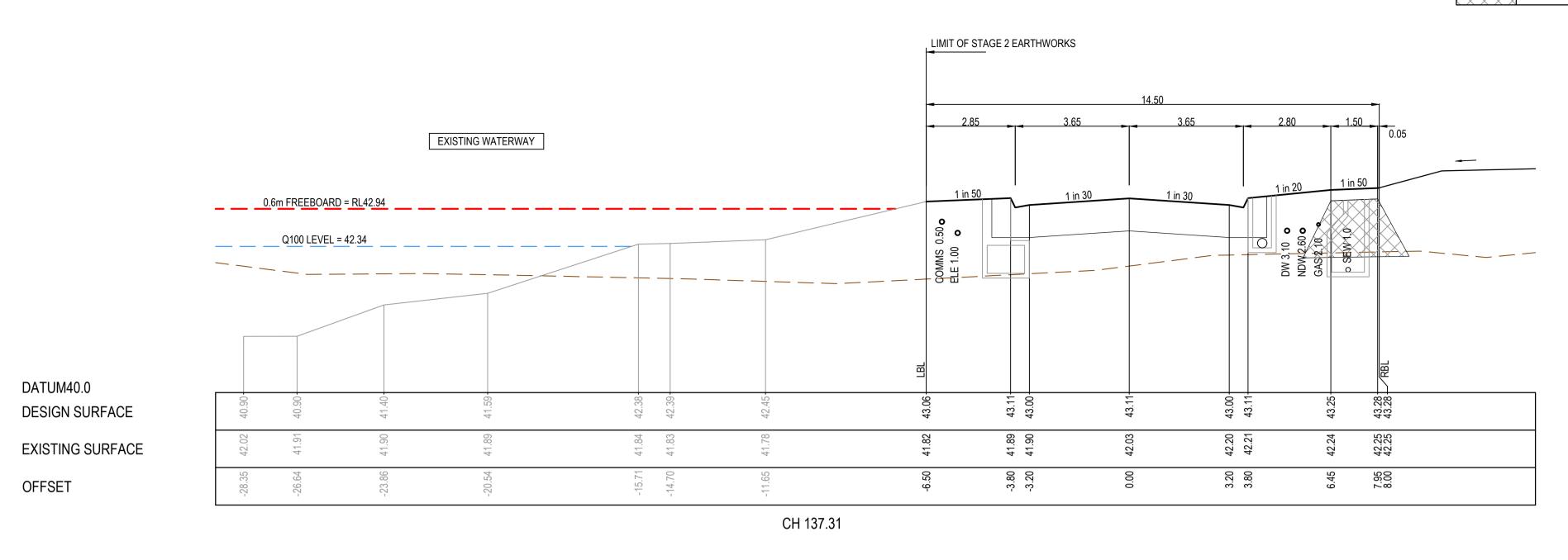
Ph 03 9514 1500

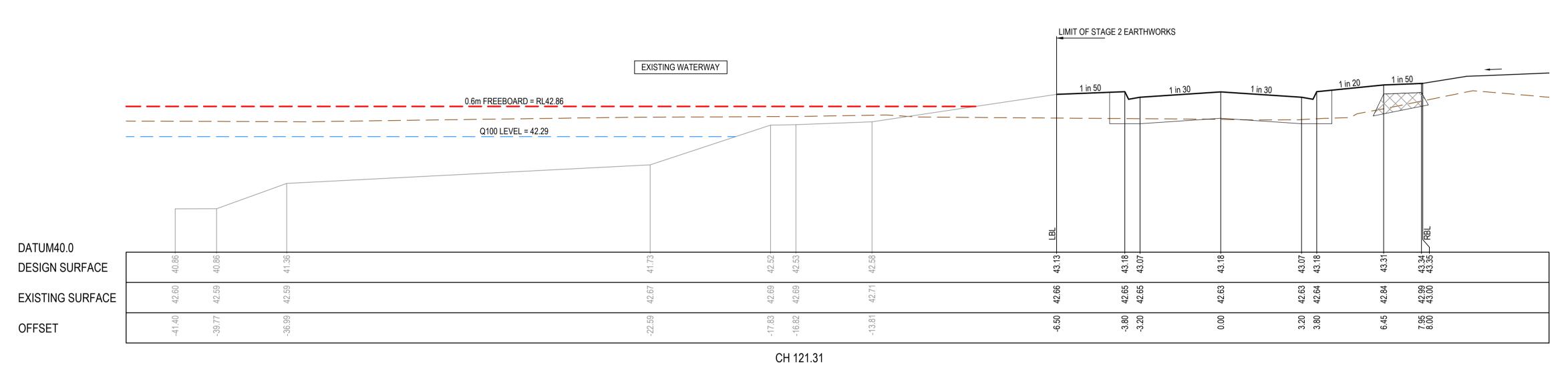


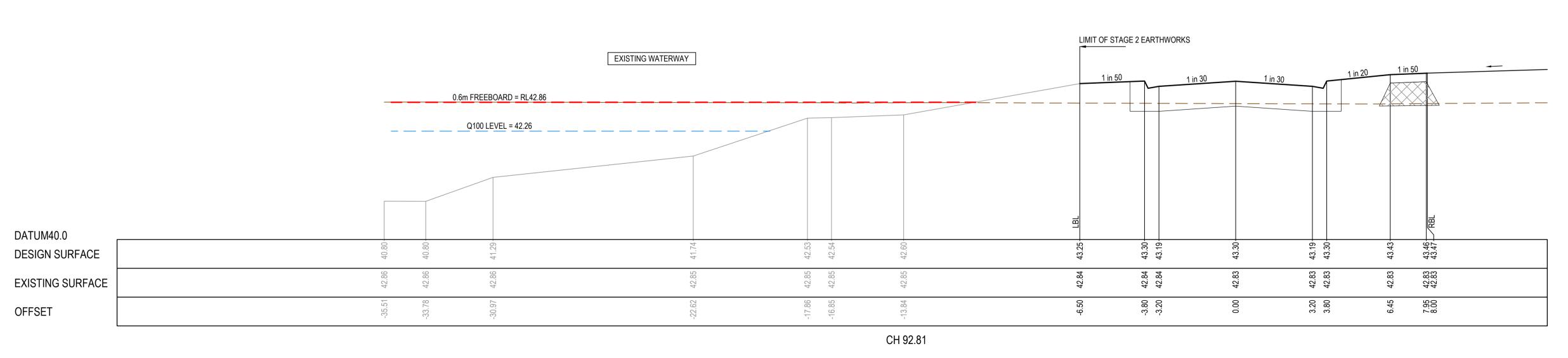
Alamora Estate, Sayers Road, Tarneit - Stage 2
Wyndham City Council
Road and Drainage
Cross Sections: Alister Grove

 MELWAYS REF
 PROJECT / DRAWING No.
 SHEET No.
 REVISION

 234 D5
 2070E-A02-08
 08 of 19
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TITLE

DRAFT

DESIG



15 4801	Management, 18014007	
u®	Global-Mark.com.au®	
		_

	TITLE	NAME					
	DRAFTER	D.Rapson					
	DESIGNER	A.Famili					
	CHECKED	C.Sexton					
,c01400.	AUTHORISED	C.Sexton	0	1	2	4	
400-	REFERENCE No. 1		0 0	0.5	1	2	
®	REFERENCE No. 2			H1:100 AS SHOV	•		



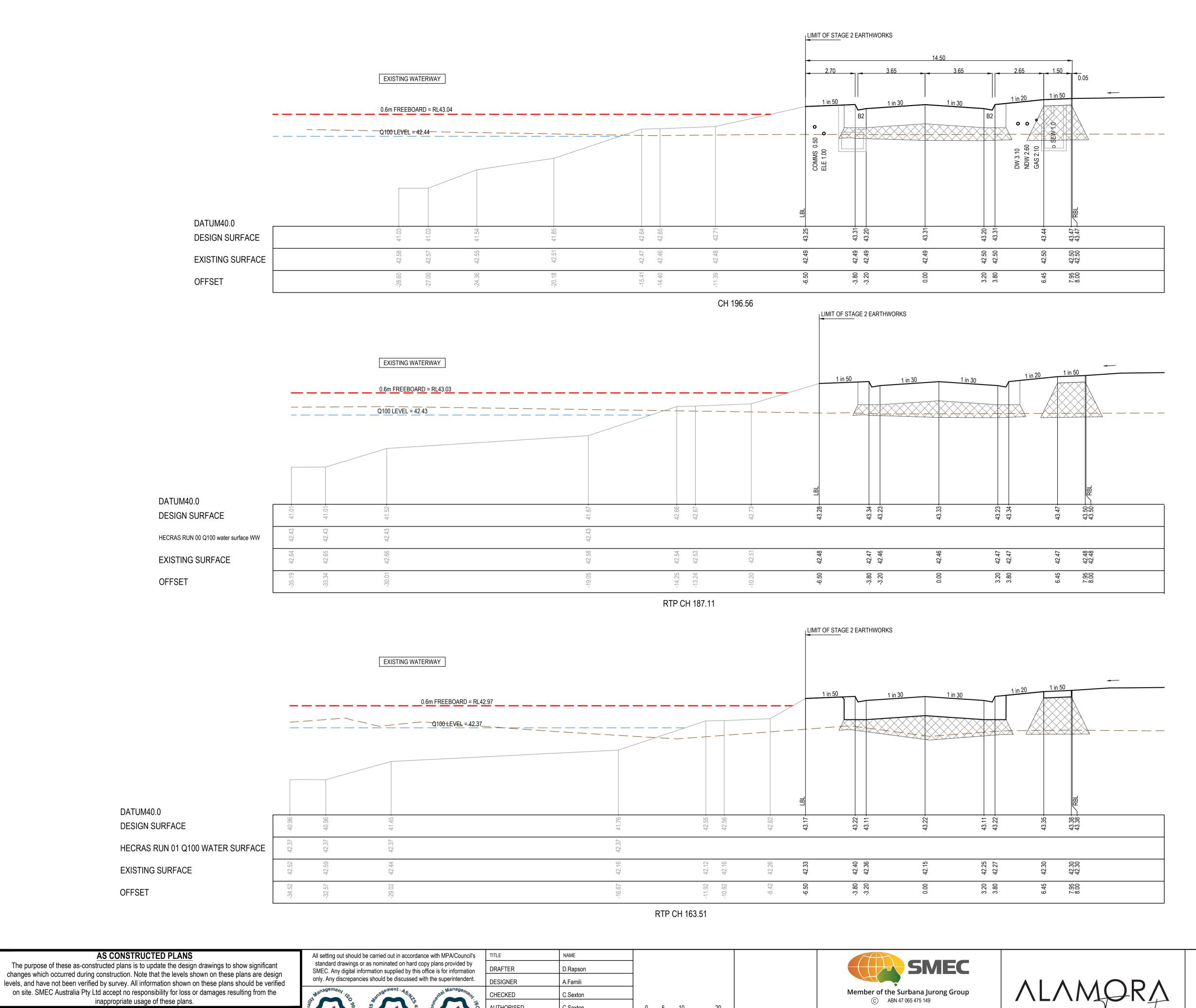


Alamora Estate, Sayers Road, Tarneit - Stage 2
Wyndham City Council
Road and Drainage
Cross Sections: Coronado Way CH92.81-CH137.31

Cross Sections: Coronado Way Ch92.81-Ch137.

 MELWAYS REF
 PROJECT / DRAWING No.
 SHEET No.
 REVISION

 234 D5
 2070E-A02-09
 09 of 19
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AUTHORISED

REFERENCE No. 1

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

© ABN 47 065 475 149

Tower 4, Level 20, 727 Collins Street

Melbourne, VIC 3008

Ph 03 9514 1500

Alamora Estate, Sayers Road, Tarneit - Stage 2
Wyndham City Council
Road and Drainage
Cross Sections: Coronado Way CH163.51-CH196.56

melways ref | PROJECT / DRAWING No. | 234 D5 | 2070E-A02-10 SHEET No. REVISION 0

CRUSHED ROCK BACKFILL

UNDER ROAD PAVEMENT & CLASS 3 BEHIND KERB

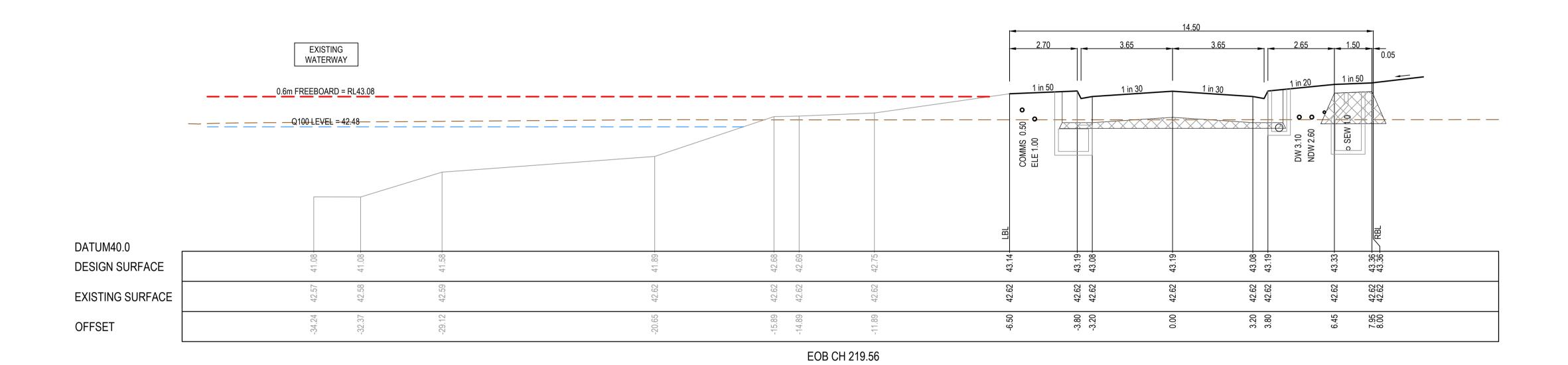
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE

WITH WYNDHAM CITY COUNCIL STANDARDS & SPECIFICATION CLASS 2

AS CONSTRUCTED

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



AS CONSTRUCTED PLANS

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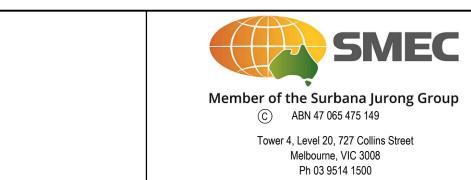
DESIG



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4	4007	RI
B)	Global-Mark.com.au®	RI

CII'S	IIILE	NAME
oy ion	DRAFTER	D.Rapson
ent.	DESIGNER	A.Famili
n,	CHECKED	C.Sexton
SOT 15014007	AUTHORISED	C.Sexton
4007	REFERENCE No. 1	
ı.au®	REFERENCE No. 2	

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





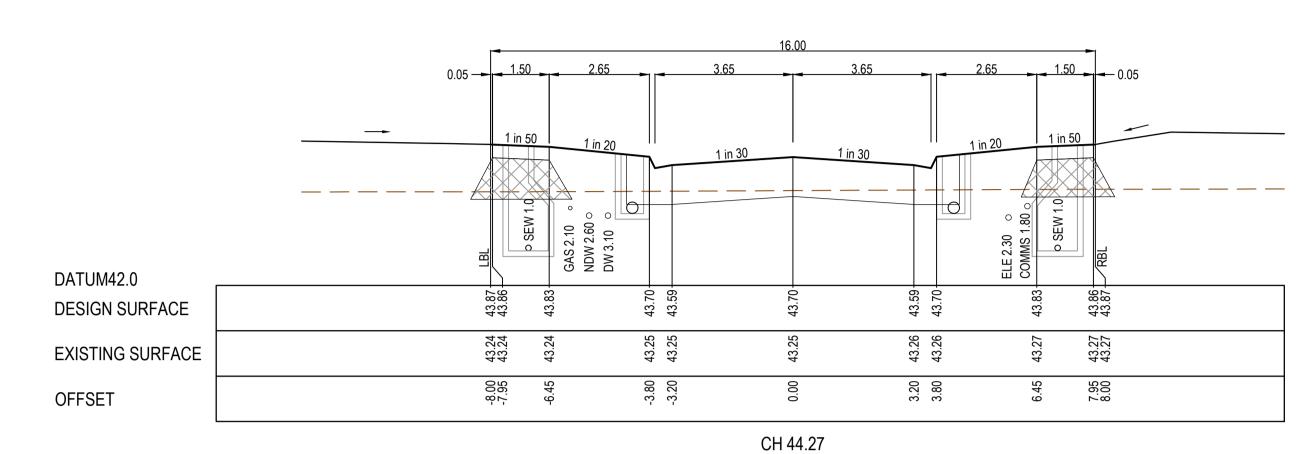
Alamora Estate, Sayers Road, Tarneit - Stage 2
Wyndham City Council
Road and Drainage
Cross Sections: Coronado Way CH219.56

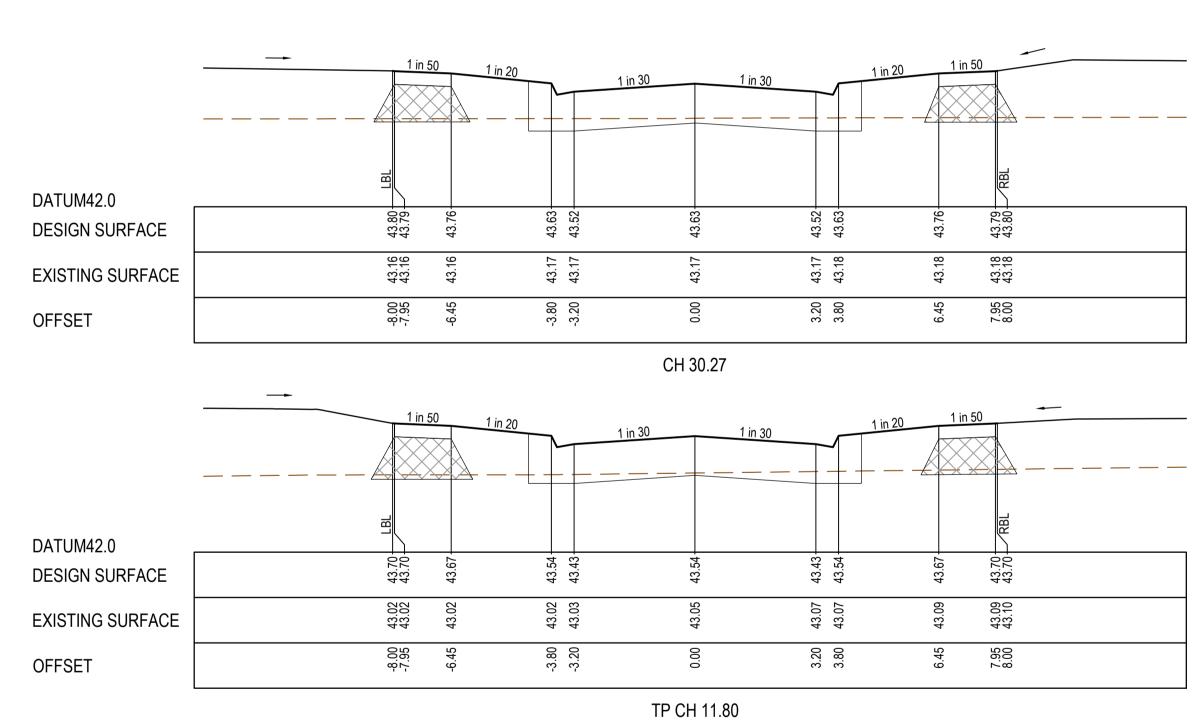
MELWAYS REF PROJECT / DRAWING No. 234 D5 2070E-A02-11

SHEET No. REVISION 0



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





						.—	
	1 j	<u>n 13.3 1 in 50 1 i</u>	1 1	n 30 1 in	30 1 in	20 1 in 50	
 DATUM43.0							
DESIGN SURFACE	44.30	44.18 +44.18 +44.15	44.01+	44.01	43.90	44.15 44.18 44.18 44.18	
EXISTING SURFACE	43.63	43.63 43.63 43.63	43.63	43.64	43.64	43.64 43.64 43.64	
DFFSET	-9.65	-8.00 -7.95 -6.45	-3.80	00.00	3.20	6.45 7.95 8.00	
			EO	B CH 106.77			
		1 in 50 1 i	n 20 1 i	n 30 1 in	30 1 in	20 1 in 50	
		- = -					
DATUM43.0 DESIGN SURFACE		44.08 44.08 44.05	43.91	43.91	43.80	44.08 44.08 44.08	
EXISTING SURFACE		43.49 43.49 43.49	43.48	43.48	43.48	43.49 43.49 43.49	
DFFSET		-8.00 -7.95 -6.45	-3.80	0.00	3.20	6.45 7.95 8.00	
				CH 86.77			
		1 in 501 i	n 20		ao 1 i <u>n</u>	20 1 in 50	
			1120	n 30 1 in	30	20	
DATUM43.0		44.00 LBL	43.83	43.83	43.72	43.97 44.00 44.00 RBL	
DESIGN SURFACE EXISTING SURFACE		43.39 43.39 43.38 43.38	43.38 43	43.39 43	43.40 43	43.41 43.41 44.44 43.41 44	
DFFSET		-8.00 4; -7.95 4; -6.45 4;	-3.80 43	0.00	3.20 43	6.45 6.45 8.00 6.45 7.45 7.45 7.45	
JI 1 3E1		777	76 76	CH 70.77			
		1 in 50 1 i				20 1 in 50	
		11	n 20 1 i	n 30 1 in	30 1 in	20	
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DATUMAS O		TBI-				RBL	
DATUM42.0					——————————————————————————————————————		

43.76

AS CONSTRUCTED PLANS

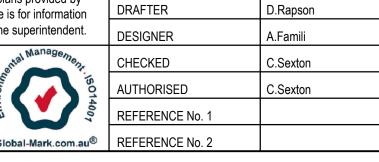
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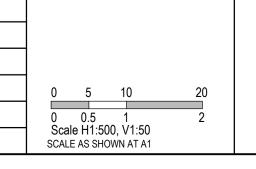
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NAME



DESIGN SURFACE

EXISTING SURFACE

OFFSET



43.93 43.93

43.31 43.31

-8.00 -7.95



CH 56.77

Alamora Estate, Sayers Road, Tarneit - Stage 2
Wyndham City Council
Road and Drainage
Cross Sections: Pipers Street

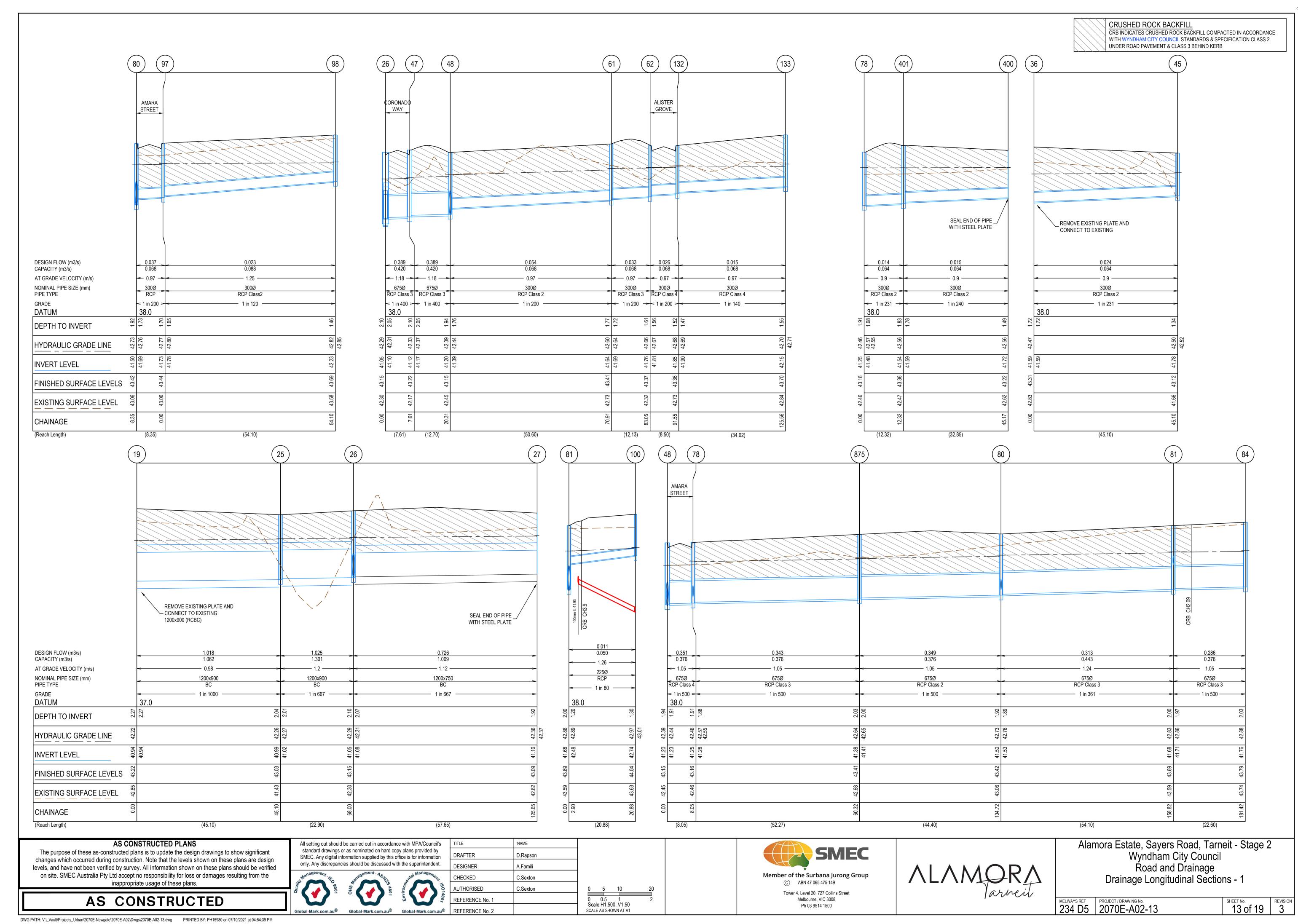
43.93 43.93

7.95 8.00

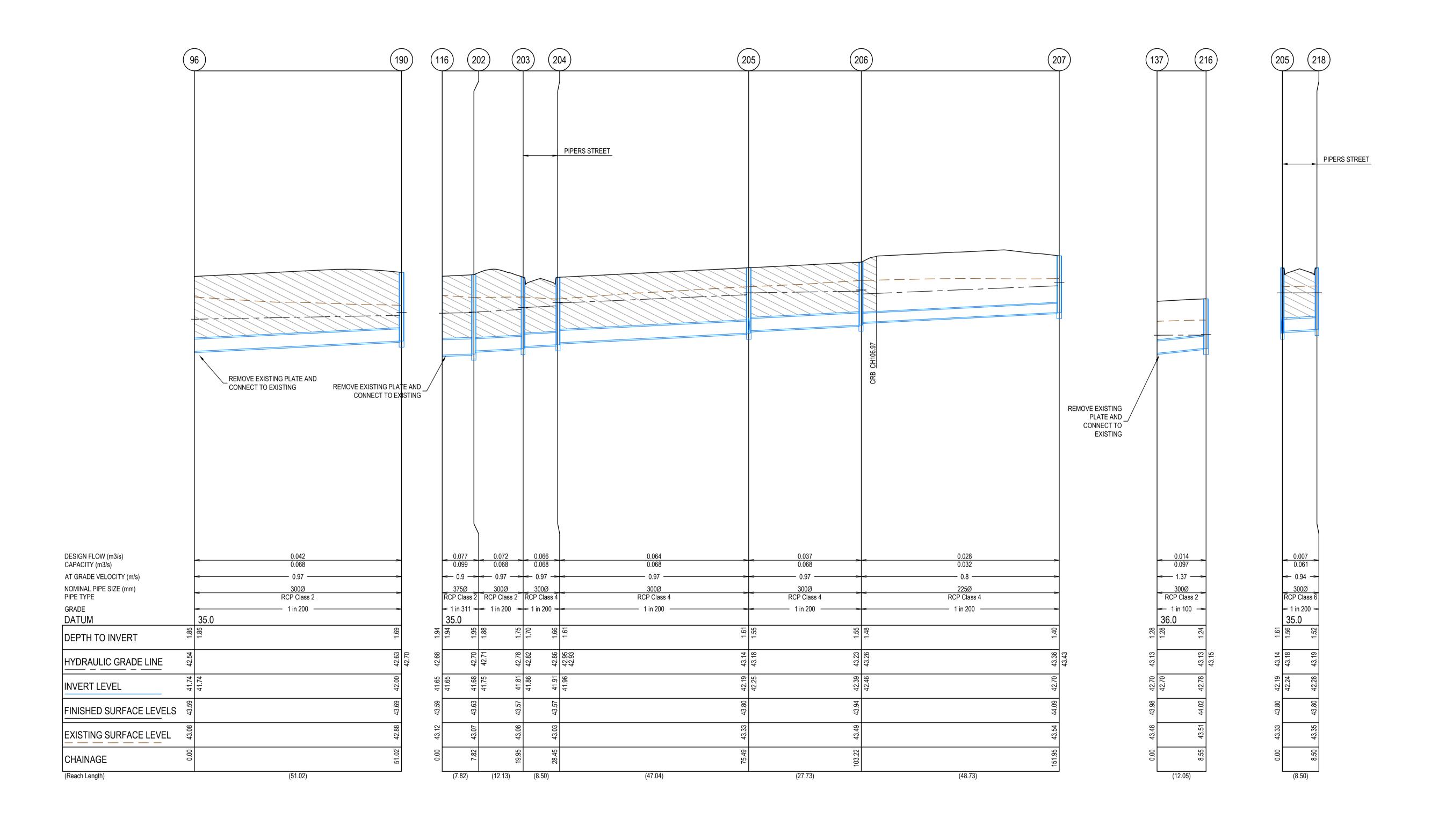
43.65

3.20 3.80

MELWAYS REF PROJECT / DRAWING No. 2070E-A02-12 SHEET No. REVISION 1



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



AS CONSTRUCTED PLANS

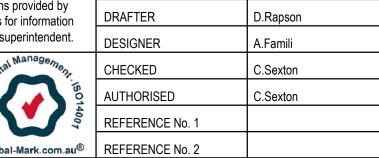
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0	5	10	20
0	0.5	1	2
		0 0.5 Scale H1:5	





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

MELWAYS REF PROJECT / DRAWING No. 234 D5 2070E-A02-14

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
25	DOUBLE SIDE ENTRY PIT	1650	900	900	41.02	900	40.99	43.03	2.04	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
26	SIDE ENTRY PIT	1650	900	750	41.08	900	41.05	43.15	2.1	EDCM 601 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
				675	41.1						
27	ENDPIPE			750	41.16	750	41.16		1.92		
36	ENDPIPE			300	41.59	300	41.59		1.73		
45	DOUBLE SIDE ENTRY PIT	600	900			300	41.78	43.13	1.34	EDCM 602	
48	DOUBLE SIDE ENTRY PIT	1200	900	675	41.23	675	41.2	43.15	1.94	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
				300	41.39						
78	DOUBLE SIDE ENTRY PIT	900	900	675	41.28	675	41.25	43.16	1.91	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
				300	41.48						
875	SIDE ENTRY PIT	900	900	675	41.42	675	41.39	43.41	2.03	EDCM 601 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
80	DOUBLE SIDE ENTRY PIT	900	900	675	41.53	675	41.5	43.42	1.92	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
				300	41.69						
81	SIDE ENTRY PIT	900	900	675	41.71	675	41.68	43.69	2	EDCM 601 & 607	CONSTRUCT AS JUNCTION PIT WITH MALTHOID JOINT FOR FUTURE CONVERSION TO SIDE ENTRY PIT & PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT.
				225	42.48						
84	JUNCTION PIT	1200	900	675	41.789	675	41.759	43.792	2.033	EDCM 605	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT. PROVIDE BLOCKOUTS IN NORTHERN PIT WALL AT IL41.789 AND EASTERN PIT WALL AT IL42.134 FOR FUTURE CONNECTIONS
				300	42.134						
97	DOUBLE SIDE ENTRY PIT	600	900	300	41.78	300	41.73	43.44	1.7	EDCM 602	
19	ENDPIPE			900	40.94	900	40.94		2.27		
98	SIDE ENTRY PIT	600	900			300	42.23	43.69	1.46	EDCM 601	CONSTRUCT AS JUNCTION PIT WITH MALTHOID JOINT FOR FUTURE CONVERSION TO SIDE ENTRY PIT.
100	JUNCTION PIT	600	900			225	42.95	44.04	1.09	EDCM 605	
47	JUNCTION PIT	1350	900	675	41.17	675	41.12	43.22	2.1	EDCM 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
61	SIDE ENTRY PIT	600	900	300	41.7	300	41.65	43.41	1.77	EDCM 601	
62	DOUBLE SIDE ENTRY PIT	600	900	300	41.81	300	41.76	43.37	1.61	EDCM 602	
132	DOUBLE SIDE ENTRY PIT	600	900	300	41.9	300	41.85	43.37	1.52	EDCM 602	
133	JUNCTION PIT	600	900			300	42.15	43.7	1.55	EDCM 605	
401	JUNCTION PIT	600	900	300	41.59	300	41.54	43.36	1.83	EDCM 605	
400	ENDPIPE			300	41.72	300	41.72		1.49		
96	ENDPIPE			300	41.74	300	41.74		1.85		
190	SIDE ENTRY PIT	600	900			300	42	43.69	1.69	EDCM 601	
116	ENDPIPE			375	41.65	375	41.65		1.94		
202	JUNCTION PIT	600	900	300	41.75	375	41.68	43.63	1.95	EDCM 605	
203	DOUBLE SIDE ENTRY PIT	600	900	300	41.86	300	41.81	43.57	1.75	EDCM 602	
204	DOUBLE SIDE ENTRY PIT	600	900	300	41.96	300	41.91	43.57	1.66	EDCM 602	
205	SIDE ENTRY PIT	600	900	300 288	42.25 42.24	300	42.19	43.8	1.61	EDCM 601	
206	SIDE ENTRY PIT	600	900	288	42.24	300	42.39	43.94	1.55	EDCM 601	
206		600	900	220	42.40	225	42.39	44.09	1.55		
137	JUNCTION PIT ENDPIPE	000	900	300	42.7	300	42.7	44.03	1.4	EDCM 605	
216	JUNCTION PIT	600	000	300	42.1	300	42.79	44.02	1.28	EDCM 605	
			900								
218	SIDE ENTRY PIT	600	900			300	42.28	43.8	1.52	EDCM 601	

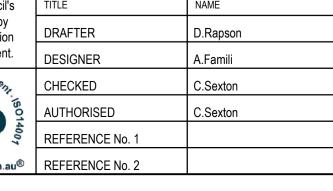
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AS CONSTRUCTED

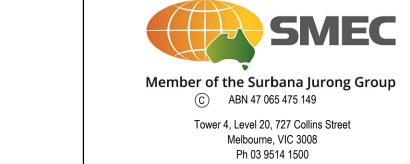
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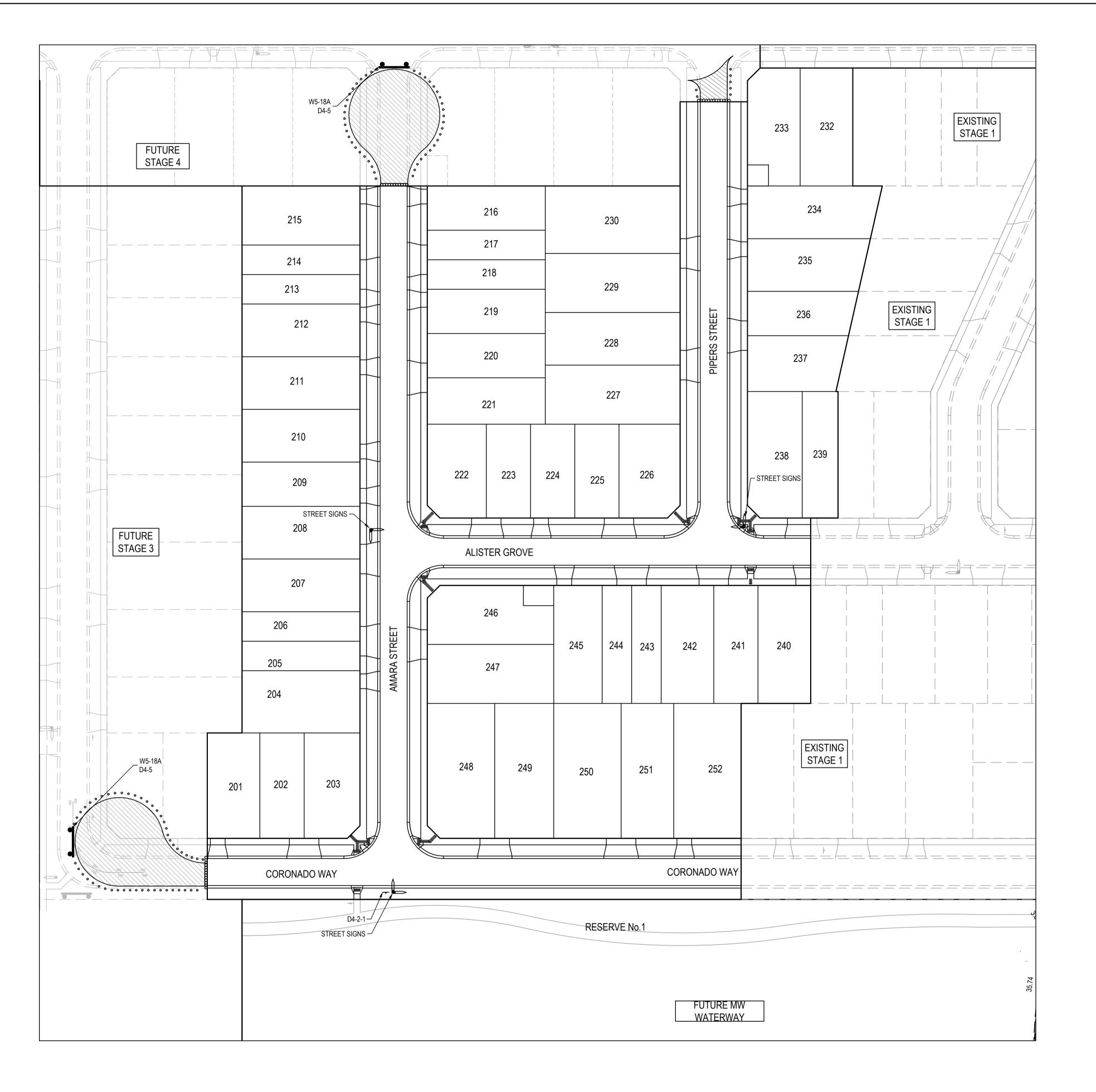
SCALE AS SHOWN AT A1

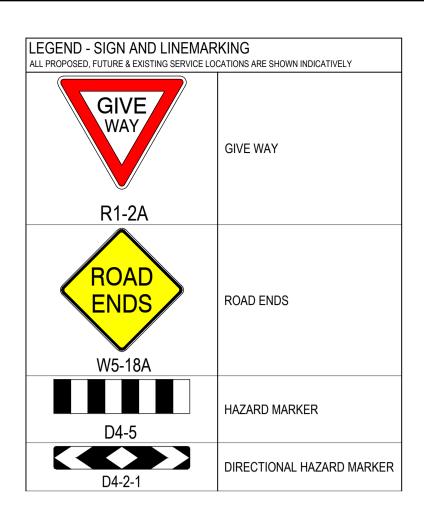




Alamora Estate, Sayers Road, Tarneit - Stage 2 Wyndham City Council Road and Drainage Pit Schedule

MELWAYS REF PROJECT / DRAWING No. SHEET No. REVISION 15 of 19 4





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.

Locate all underground services before commencement of works

DIAL 1100 BEFORE YOU DIG

NOTES

90° BENDS TO HAVE CENTRELINE MARKING WITH RRPM'S AT MAX 6m SPACING.
 RRPMs TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL MANUAL VOL 2.

ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.

AS CONSTRUCTED PLANS

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the superintendent.

DESIGNER

CHECKED

AUTHORISED

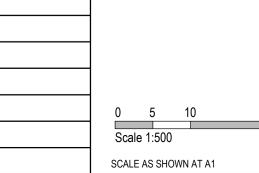
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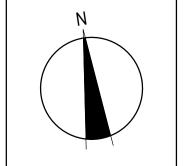
REFERENCE No. 2

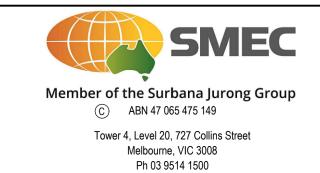
DRAFTER

D.Rapson

C.Sexton









Alamora Estate, Sayers Road, Tarneit - Stage 2
Wyndham City Council
Road and Drainage
Signage & Linemarking Plan

 MELWAYS REF
 PROJECT / DRAWING No.
 SHEET No.
 REVISION

 234 D5
 2070E-A02-16
 16 of 19
 2



300 VPD - PIPERS STREET, CORONADO WAY, ALISTER GROVE AND AMARA STREET PAVEMENT

COMPOSITION

520mm DEPTH PAVEN	MENT COMPOSITION	LAYER	
PAVEMEN	NT LAYER	THICKNESS (mm)	MATERIAL
	WEARING COURSE	20	SIZE 7 TYPE L CLASS 320 ASPHALT
	INTERMEDIATE COURSE	30	SIZE 10 TYPE N CLASS 320 ASPHALT
ASPHALT	BASE COURSE	-	-
	SAMI SEAL	10	SIZE 10 SAMI SEAL S18RF
	BITUMINOUS PRIME	7	BITUMINOUS PRIME
BASE COURSE	BASE	140	SIZE 20 CLASS 2 CRUSHED ROCK. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289, 5.2.1
SUBBASE COURSE	LOWER BASE COURSE	130	SIZE 20 CLASS 3 CRUSHED ROCK. COMPACTED TO A MINIMUM DENSITY RATIO OF 96% (MODIFIED) AS1289, 5.2.1
CAPPING	CAPPING 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
SUBGRADE/CONSTRUCTION LAYER	SUBGRADE/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

ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY TONKIN AND TAYLOR. SMEC IS NOT RESPONSIBLE FOR GEOTECHNICAL OR PAVEMENT RELATED DESIGNS AND IS NOT RESPONSIBLE FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THESE DESIGNS. THE PAVEMENT COMPOSITIONS SHOWN ON THIS DRAWING HAVE BEEN REPRODUCED FROM THE PAVEMENT REPORT FOR THIS DEVELOPMENT STAGE. THIS DOCUMENT SHOULD BE REVIEWED BY THE CONTRACTOR TO ENSURE DESIGN HAS BEEN INTERPRETED CORRECTLY. A COPY OF THIS DOCUMENT WILL BE MADE AVAILABLE ON REQUEST. ANY DIFFERENCES FROM THIS REQUIREMENTS SHOWN ARE TO BE NOTIFIED TO THE SUPERINTENDENT BEFORE PROCEEDING.

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. Locate all underground services before commencement of works

DIAL 1100 BEFORE YOU DIG www.1100.com.au

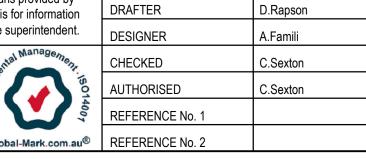
AS CONSTRUCTED PLANS

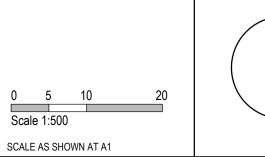
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AS CONSTRUCTED

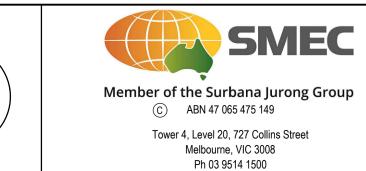
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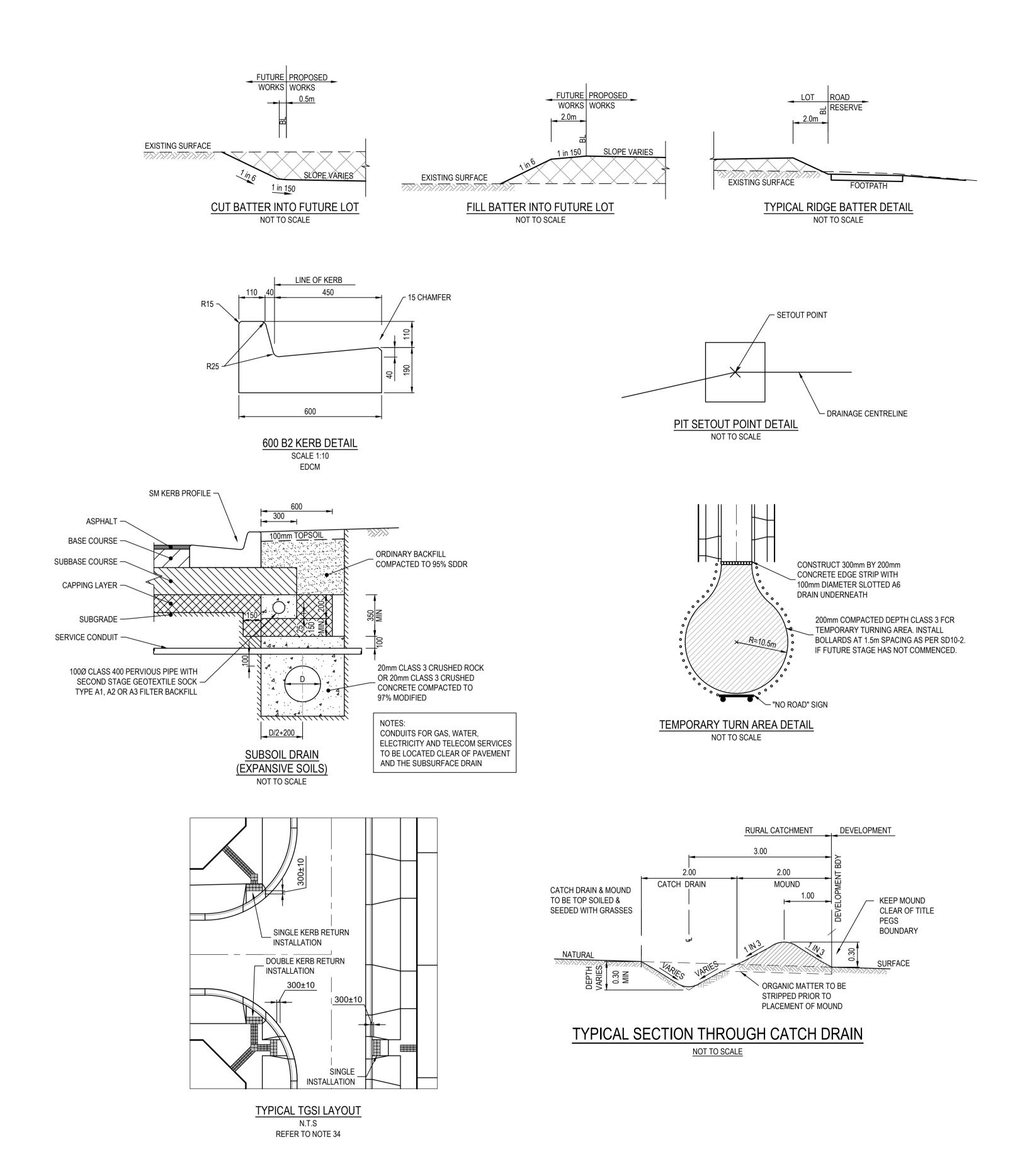
FUTURE MW WATERWAY

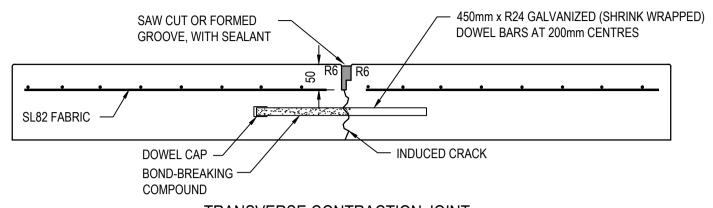




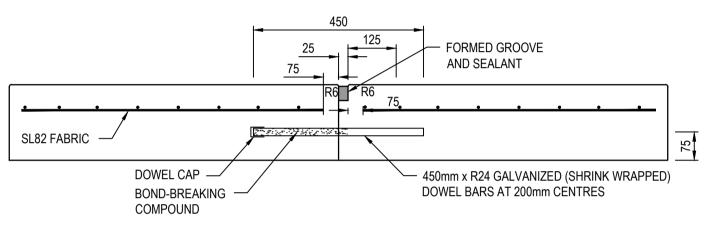
Alamora Estate, Sayers Road, Tarneit - Stage 2
Wyndham City Council
Road and Drainage
Pavement Details

MELWAYS REF PROJECT / DRAWING No. 2070E-A02-17 SHEET No. 17 of 19

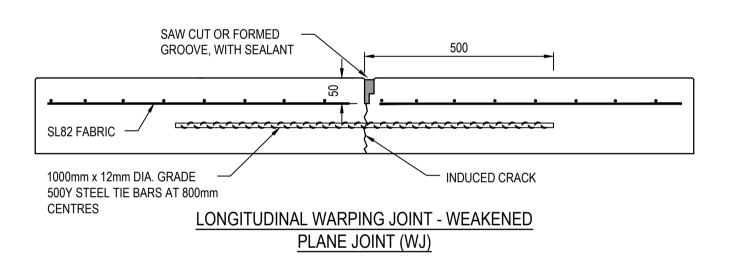


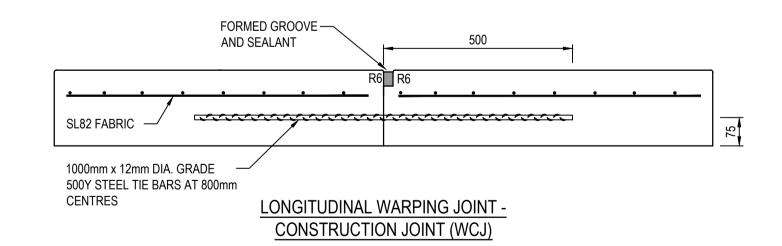


TRANSVERSE CONTRACTION JOINT -DOWELLED JOINT (CJ)



TRANSVERSE CONTRACTION JOINT -DOWELLED BUTT JOINT AT CONSTRUCTION JOINT (DJ)





CONCRETE JOINTING DETAILS NOT TO SCALE

NOTES:

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

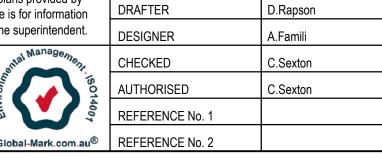
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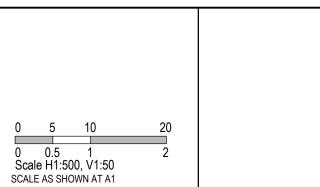
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Ph 03 9514 1500



Alamora Estate, Sayers Road, Tarneit - Stage 2
Wyndham City Council
Road and Drainage
General Notes & Details

MELWAYS REF PROJECT / DRAWING No. 2070E-A02-18 SHEET No. REVISION 0

Name:		ign Package: 2070E-A02										
Stage 2	Date: 14/04/2020											
<u>SE</u> <u>D</u>	DISCIPLINE CODE		nstruction- Operations- Maintenance OTENTIAL RISK	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	Risk Likelihoo C	Risk	Residual Risk <u>R</u> Rating	ESIDUAL RISK OWNER
		Road Furniture / Roadside features										
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	5.000	3.000	15.000	Constructor
US	Utilities or Services	Utilities become a hazard within clear zones	Vehicle conflict with utility / pit	Contractor	Personal injury, vehicle damage	Sequence works and protect with temp barrier or traffic control (TCP)	TCP provided within contract	N	1.000	5.000	5.000	Constructor
RD	Roads	Sight Lines	Inadequate drivers response time.	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Vis lines checked and discussed with approval authority as part of design approval process	N	1.000	4.000	4.000	Road Authority
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	1.000	4.000	4.000	Road Authority
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	2.000	5.000	10.000	Constructor
		Drainage										
DR	R 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	3.000	2.000	6.000	Authority
DR	R Drainage	Non Standard Large Pits	Potential for pit failure	Relevant Authority	Increased risk to maintenance crews/vehicles	Structural design in accordance with relevant design principles.	Refer to structural drawings and calculations	N	1.000	4.000	4.000	Authority
DR	n 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	N	1.000	4.000	4.000	Authority
DR	Q 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	2.000	5.000	10.000	Authority
	Q 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	N	2.000	5.000	10.000	Authority
DR	Q Drainage	Deep Pits	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, step irons to be provided to appropriate authority standards. Refer to pit schedule	Design in accordance with authority standards	N	1.000	5.000	5.000	Authority
DR	Q 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	2.000	3.000	6.000	
		Sewer										
		Dana Markalan		Delever the Authority		Contractor to be certified for work in confined spaces, landings and step	Design in accordance with authority standards. Refer pit schedule on					A
	Sewer	Deep Manholes	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	access provided as per authority standards and schedule Provide safe working conditions for maintenance. Manholes located in	drawings	N	1.000	5.000	5.000	Authority
SE	Sewer	Access to Manholes	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	compliance with authority standards	Where possible design manhole in location for easy access	N	1.000	5.000	5.000	Authority
FS	Electrical Services	Electricity 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	N	2.000	3.000	6.000	Authority
	Elocation Col vicos			,		,			2.000	0.000	0.000	
TE	Telstra	Telstra Telstra Design	Location of assets within clear zones e.g., pits	Relevant Authority	Increased potential for accidents	Telecommunications designed by authority consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2.000	3.000	6.000	Authority
16	Teistia				indicated polaritarias accidente		provided	N N	2.000	3.000	0.000	· idailo ilig
WA	A Water	Water Water Design	Location of assets within clear zones e.g., pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2.000	3.000	6.000	Authority
		Gas										
GA	A 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	N	1.000	1.000	1.000	Authority
		Gas						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	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	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	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	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 Pits designed below ground adequate offset from vehicle clear zones has been provided or barrier protection

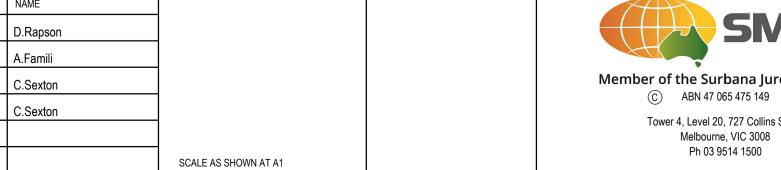
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the superintendent.	DESIGNER	A.Fam
Management, 15014007	CHECKED	C.Sext
Environm,	AUTHORISED	C.Sext
400 ₇	REFERENCE No. 1	
Global-Mark.com.au [®]	REFERENCE No. 2	





Alamora Estate, Sayers Road, Tarneit - Stage 2
Wyndham City Council
Road and Drainage
Safety In Design

MELWAYS REF PROJECT / DRAWING No. 2070E-A02-85