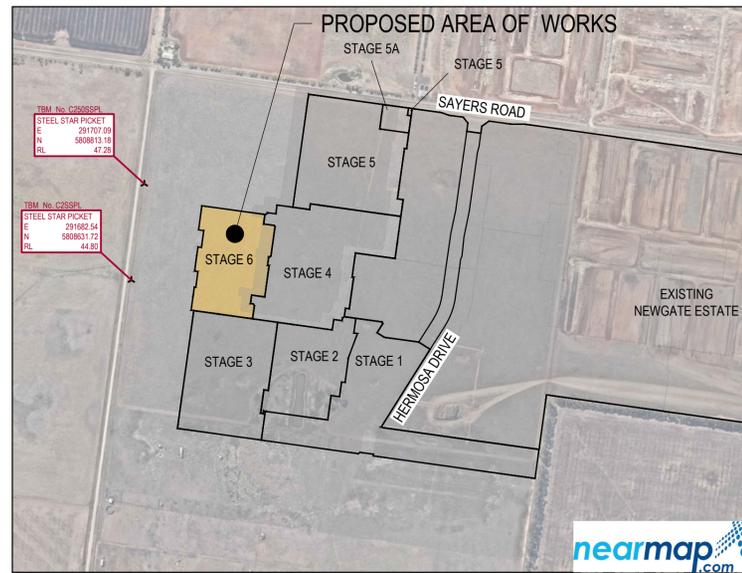


Alamora Estate Stage 6, Sayers Road, Tarniet



Locality Plan
N.T.S

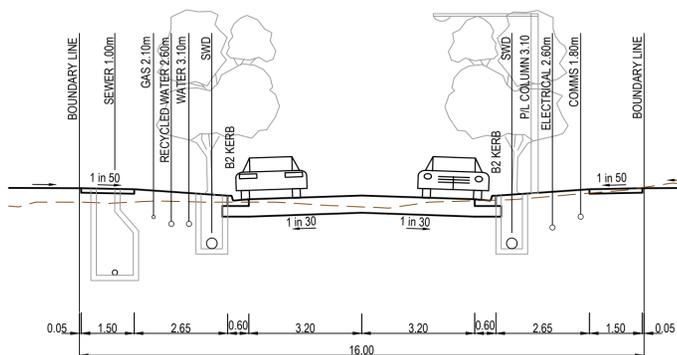
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- 2070E-A06-02 Layout Plan
- 2070E-A06-03 Earthworks Layout Plan
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- 2070E-A06-06 Longitudinal Sections - 1
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- 2070E-A06-08 Cross Sections: Centurion Avenue
- 2070E-A06-09 Cross Sections: Prosecco Street
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- 2070E-A06-11 Cross Sections: Nina Way, Aragon Road, Besito Lane Pertula Walk, Amaranth Walk & Reserve
- 2070E-A06-12 Drainage Longitudinal Sections - 1
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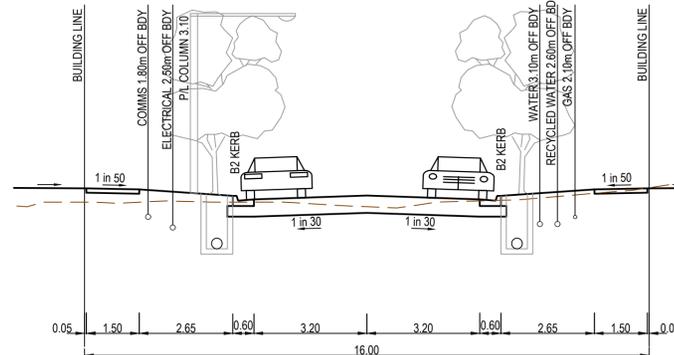
ROAD NAME	SERVICES OFFSET TABLE				
	GAS	WATER	RECYCLED WATER	ELECTRICITY	OPTIC FIBRE
ARAGON ROAD	2.10 W	3.10 W	2.60 W	2.60 E	1.80 E
FERONIA AVENUE	2.10 N	3.10 N	2.60 N	2.50 S	1.80 S
PROSECCO STREET	2.10 S	3.10 S	2.60 S	2.50 N	1.80 N
NINA WAY	2.10 E	3.10 E	2.60 E	2.50 W	1.80 W
BESITO LANE	-	-	-	-	-
CENTURION AVENUE	2.10 S	3.10 S	2.60 S	2.50 N	1.80 N
PARTULA WALK	2.30 E	1.30 E	1.80 E	0.30 E	0.80 E
AMARANTH WALK	2.30 W	1.30 W	1.80 W	0.30 W	0.80 W

ROAD NAME	ROAD RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
		LIP TO LIP	INV TO INV	BACK TO BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
ARAGON ROAD	16.00	6.40	7.30	7.60	B2	B2	4.20	4.20
FERONIA AVENUE	16.00	6.40	7.30	7.60	B2	B2	4.20	4.20
PROSECCO STREET	16.00	6.40	7.30	7.60	B2	B2	4.20	4.20
NINA WAY	16.00	6.40	7.30	7.60	B2	B2	4.20	4.20
BESITO LANE	8.00	5.50	-	-	-	-	0.05	2.45
CENTURION AVENUE	18.00	6.40	7.30	7.60	B2	B2	5.20	5.20

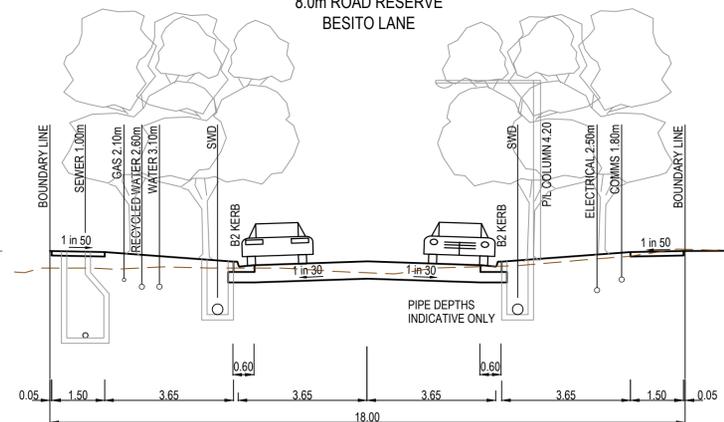
POINT	SURVEY CONTROL POINTS			
	EASTING	NORTHING	RL (AHD)	DESCRIPTION
C2SSPL	291,682.54	5,808,631.72	44.80	STEEL STAR PICKET
C30SSPL	291,707.09	5,808,813.2	47.28	STEEL STAR PICKET



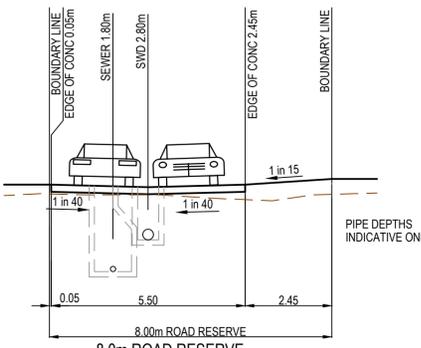
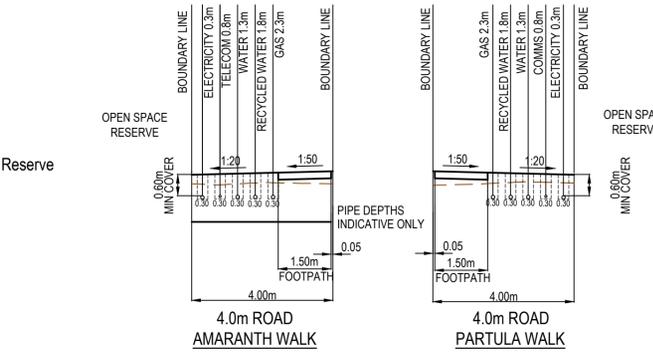
16.0m ROAD RESERVE
ARAGON ROAD



16.0m ROAD RESERVE
FERONIA AVENUE, PROSECCO STREET,
NINA WAY



18.0m ROAD RESERVE
CENTURION AVENUE



8.0m ROAD RESERVE
BESITO LANE

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-A06-85
ASSESS THE RISK - STAY SAFE

WARNING
BEWARE OF UNDERGROUND SERVICES
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GENERAL NOTES (WYNDHAM CITY COUNCIL)

- THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDM 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.
- THE CONTRACTOR SHALL:
 - COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY RULES, AND THE MINES (TRENCHES) REGULATIONS 1982.
 - NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
- THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVANT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- 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 COURTHOUSES, 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 EDM 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 EDM 202 (EXPANSIVE SUBGRADE).
- ALL LINEMARKING, SIGNING AND TRAFFIC CONTROL DEVICES TO BE IN ACCORDANCE WITH VICROADS REQUIREMENTS WITH LATERAL WORKS AND ARROWS BEING 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.
- 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.
- 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.
- 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.
- 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 DRAWINGS 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.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 EDM 501 TO 503. DRIVEWAYS TO BE LOCATED MIN 0.75m FROM BUILDING LINE UNLESS SPECIFIED OTHERWISE AND CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. DOUBLE DRIVEWAY WIDTH TO BE 7.0m AT FRONT OF PATH/BUILDING LINE.
- ADDITIONAL AND OVER-EXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF THE 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 EDM 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 (BRPM) 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.
- 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 478m
- TOTAL LENGTH OF DRAINS CONSTRUCTED IS 776m
- ALL TGS TO BE INSTALLED IN ACCORDANCE WITH AS1428.

(GAS) - STANDARD NOTES

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

REINFORCED CONCRETE PIPE

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

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

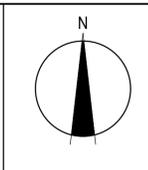
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Quality Management ISO 9001
OHS Management AS/NZS 1881
Environmental Management ISO 14001

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TITLE	NAME
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DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	

0 0.1 0.2 0.4
Scale 1:10
SCALE AS SHOWN AT 1



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ALAMORA
Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06
Wyndham City Council
Road and Drainage
Cover Plan

MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-01	SHEET No. 01 of 19	REVISION 4
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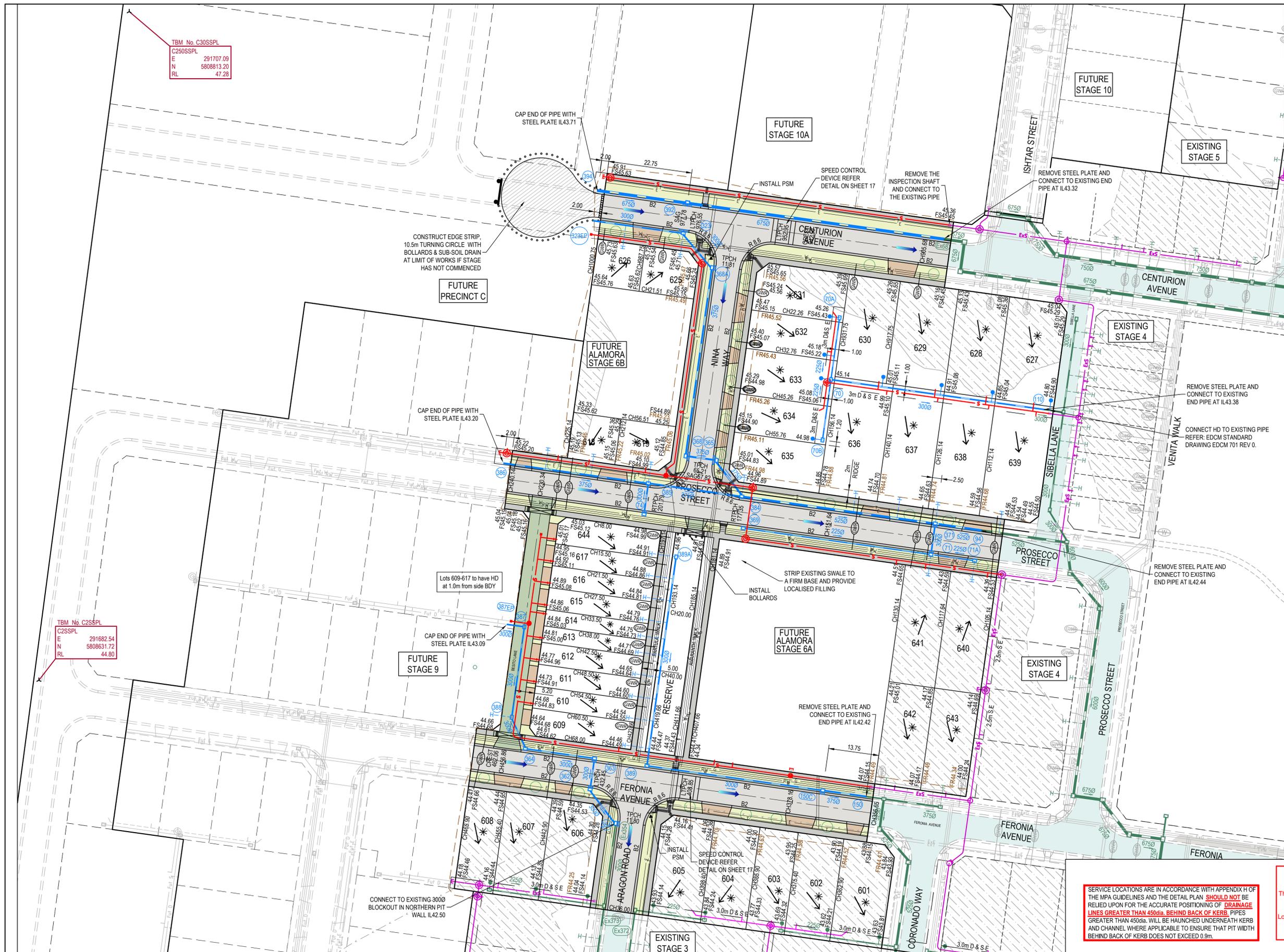
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 N 5808813.20
 RL 47.28

TBM No. C2SSPL
 C2SSPL
 E 291682.54
 N 5808631.72
 RL 44.80

LEGEND - LAYOUT PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MAIN DRAIN
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- ELECTRICITY (U.GROUND)
- ELECTRICITY (O.HEAD)
- GAS
- TELSTRA
- OPTIC FIBRE
- WATER
- RECYCLE WATER
- AG. DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS
- EXISTING STORMWATER DRAIN
- EXISTING MAIN DRAIN
- EXISTING SWALE DRAIN
- EXISTING SEWER & MAINTENANCE STRUCTURES
- EXISTING HOUSE DRAIN
- EXISTING ELECTRICITY (UNDER GROUND)
- EXISTING ELECTRICITY OVERHEAD
- EXISTING GAS
- EXISTING TELSTRA
- EXISTING OPTIC FIBRE
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING AG. DRAIN
- EXISTING SERVICE CONDUITS
- EXISTING TACTILE PAVERS
- FUTURE STORMWATER DRAIN
- FUTURE MAIN DRAIN
- FUTURE SWALE DRAIN
- FUTURE SEWER & MAINTENANCE STRUCTURES
- FUTURE HOUSE DRAIN
- FUTURE ELECTRICITY (UNDER GROUND)
- FUTURE ELECTRICITY OVERHEAD
- FUTURE GAS
- FUTURE TELSTRA
- FUTURE OPTIC FIBRE
- FUTURE WATER
- FUTURE RECYCLED WATER
- FUTURE AG. DRAIN
- FUTURE SERVICE CONDUITS
- FUTURE TACTILE PAVERS
- ZERO LOT LINES
- 141.34 EXISTING SURFACE LEVEL
- FS140.35 FINISHED BUILDING LINE LEVEL
- FR157.40 FINISHED RIDGE LINE LEVEL
- CH270.00 CHAINAGE
- TW159.60 TOP OF RETAINING WALL LEVEL
- BW159.00 BOTTOM OF RETAINING WALL LEVEL
- EXISTING RETAINING WALL
- FUTURE RETAINING WALL
- STRUCTURAL FILL > 200mm DEEP
- EXISTING STRUCTURAL FILL > 200mm DEEP
- CUT > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
- EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- EXISTING TREE TO BE RETAINED
- EXISTING TREE TO BE REMOVED
- 3m DIAMETER TREE RING
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY & FOOTPATH
- PROPOSED INDUSTRIAL DRIVEWAY
- PROPOSED SHARED FOOTPATH
- PROPOSED ROAD PAVING
- EXISTING ROAD PAVING



WARNING
 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 DRAINAGE LINES GREATER THAN 4500a. BEHIND BACK OF KERB. PIPES GREATER THAN 4500a. WILL BE HAUNCHED UNDERNEATH KERB AND CHANNEL WHERE APPLICABLE TO ENSURE THAT PIT WIDTH BEHIND BACK OF KERB DOES NOT EXCEED 0.9m.

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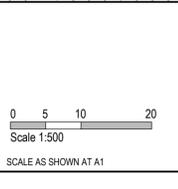
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TITLE	NAME
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DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	



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ALAMORA
 Tarniet

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 Wyndham City Council
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MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-02	SHEET No. 02 of 19	REVISION 6
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TBM No. C30SSPL
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 E 291707.09
 N 5808813.20
 RL 47.28

TBM No. C2SSPL
 C2SSPL
 E 291682.54
 N 5806631.72
 RL 44.80

FUTURE
 STAGE 10

FUTURE
 STAGE 10A

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

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	ELECTRICITY (U.GROUND)
	ELECTRICITY (O.HEAD)
	GAS
	TELSTRA
	OPTIC FIBRE
	WATER
	RECYCLE WATER
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING HOUSE DRAIN
	EXISTING ELECTRICITY (UNDER GROUND)
	EXISTING ELECTRICITY OVERHEAD
	EXISTING GAS
	EXISTING TELSTRA
	EXISTING OPTIC FIBRE
	EXISTING WATER
	EXISTING RECYCLED WATER
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE ELECTRICITY (UNDER GROUND)
	FUTURE ELECTRICITY OVERHEAD
	FUTURE GAS
	FUTURE TELSTRA
	FUTURE OPTIC FIBRE
	FUTURE WATER
	FUTURE RECYCLED WATER
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	141.34 EXISTING SURFACE LEVEL
	FS140.35 FINISHED BUILDING LINE LEVEL
	FR157.40 FINISHED RIDGE LINE LEVEL
	CH270.00 CHAINAGE
	FILL 200-400mm
	FILL 400-600mm
	FILL 600-800mm
	DIRECTION OF FALL
	OVERLAND FLOW
	GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

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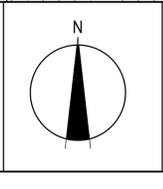
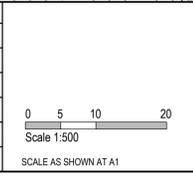


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DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	

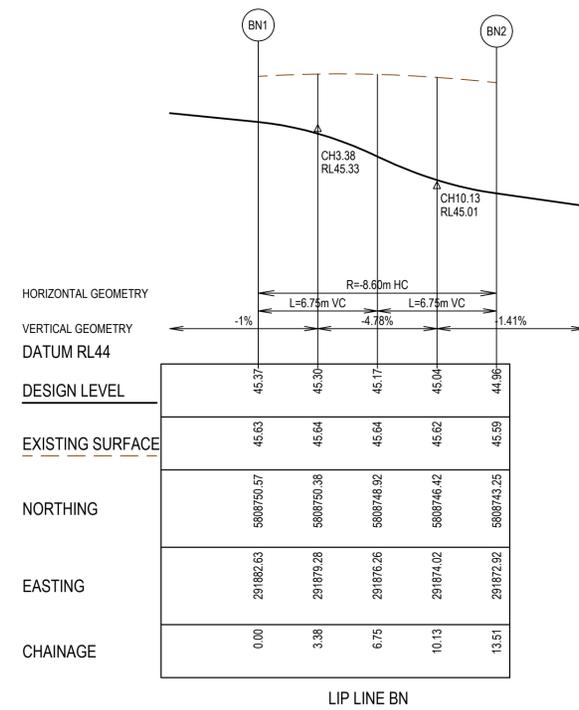
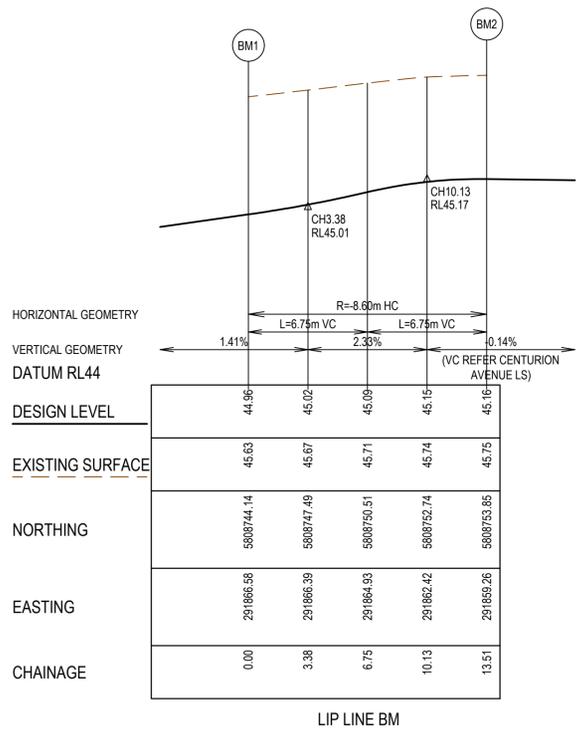
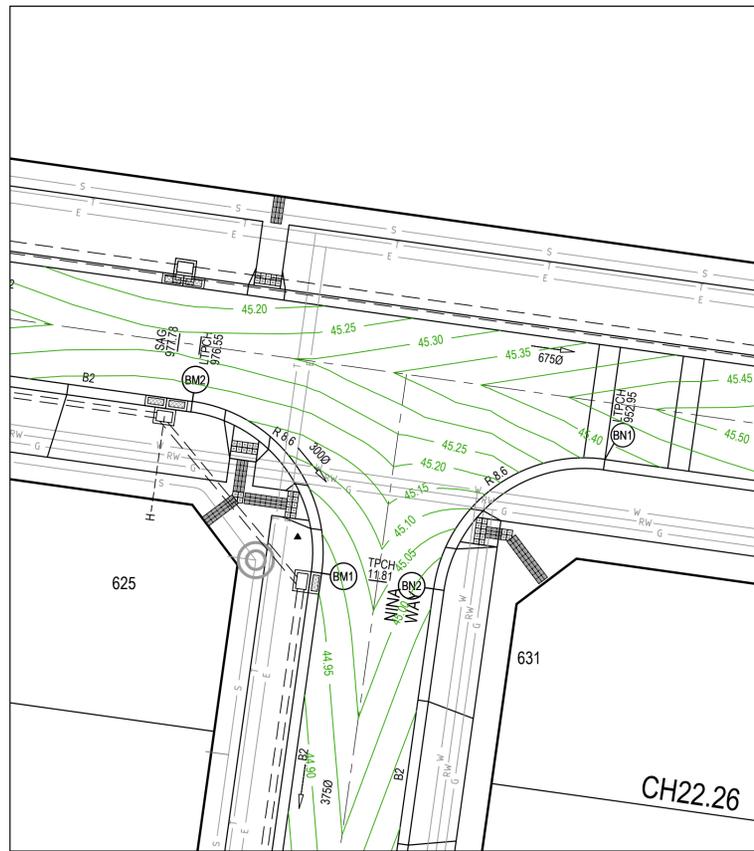


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 03 5581 3758

ALAMORA
 Tarniet

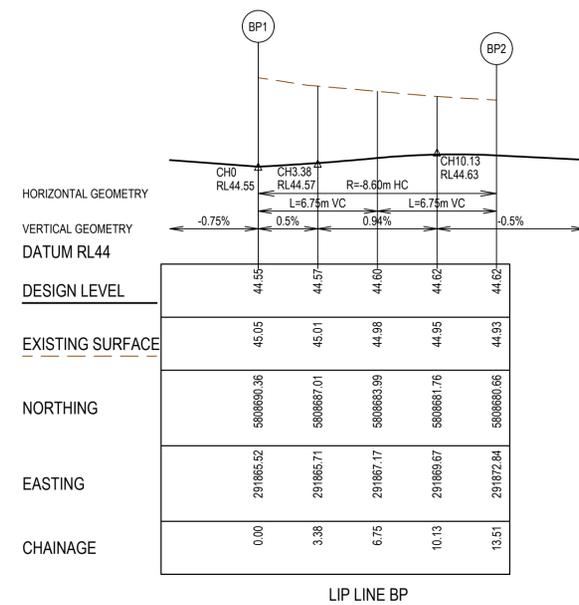
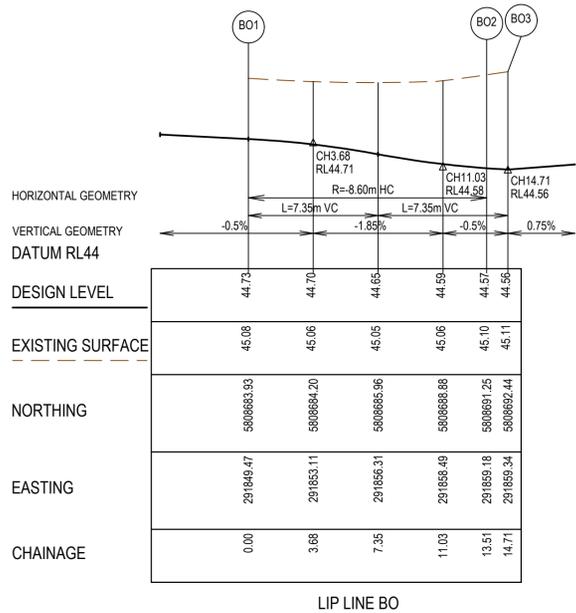
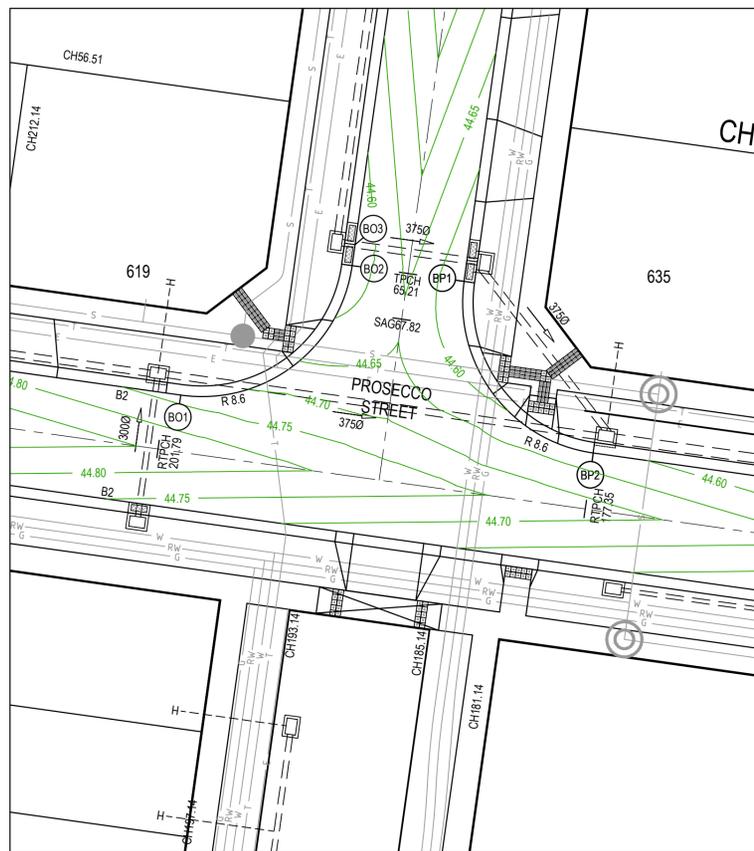
Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Earthworks Layout Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A06-03	03 of 19	5



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

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH



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

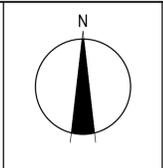
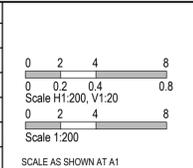
AS CONSTRUCTED PLANS
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Quality Management - ISO 9001
OHS Management - AS/NZS 4500
Environmental Management - ISO 14001

TITLE	NAME
DRAFTER	A.Famili
DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	

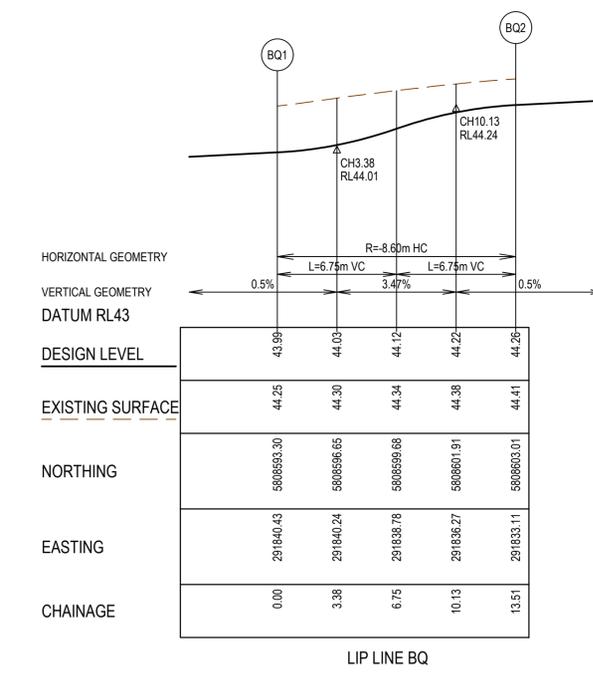
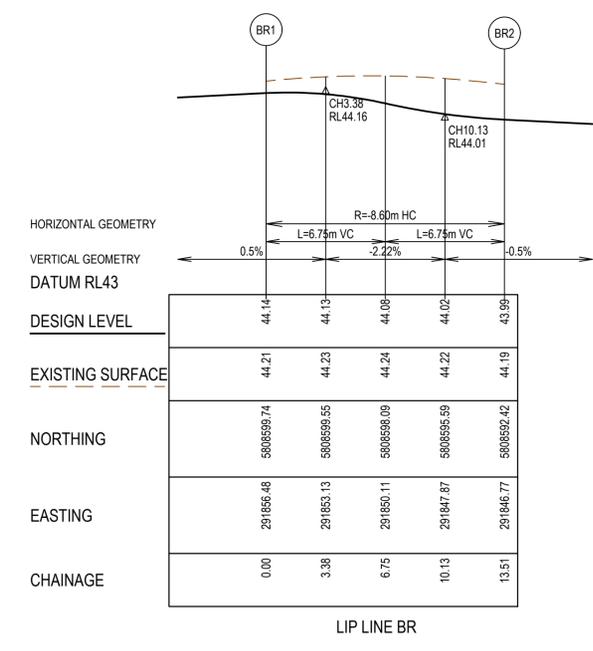
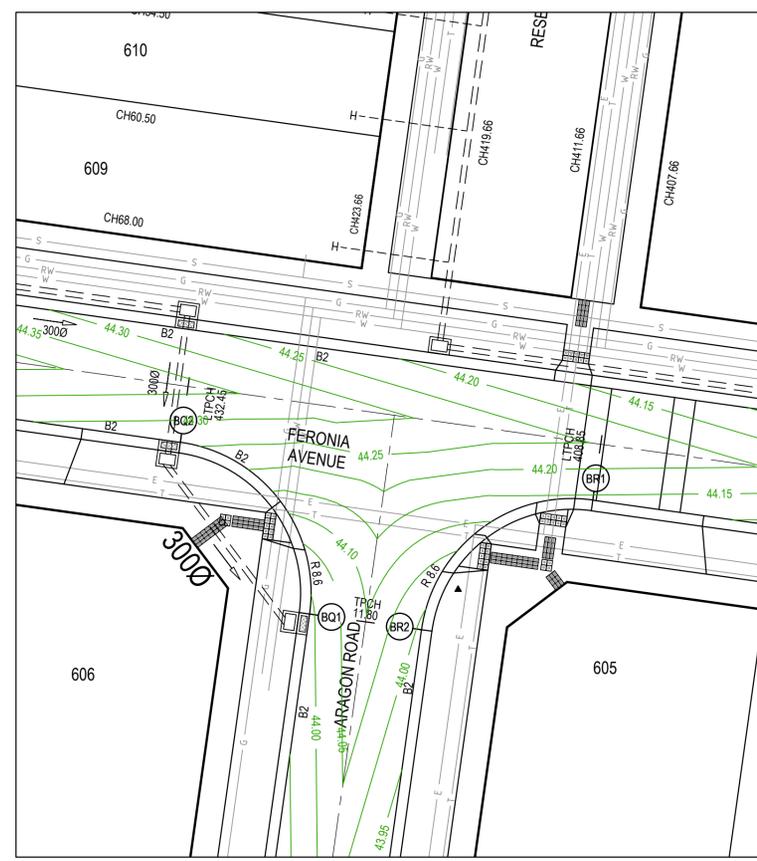


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03 5581 3758

ALAMORA
Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06		Wynham City Council	
Road and Drainage		Intersection Detail Plan - 1	
MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-04	SHEET No. 04 of 19	REVISION 5

LEGEND - INTERSECTION DETAIL PLAN	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
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	PERMANENT SURVEY MARK
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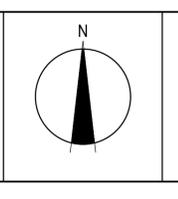
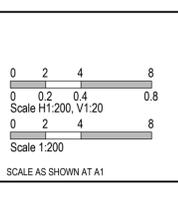
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Quality Management ISO 9001
 OHS Management AS/NZS 1881
 Environmental Management ISO 14001

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TITLE	NAME
DRAFTER	A.Famili
DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	

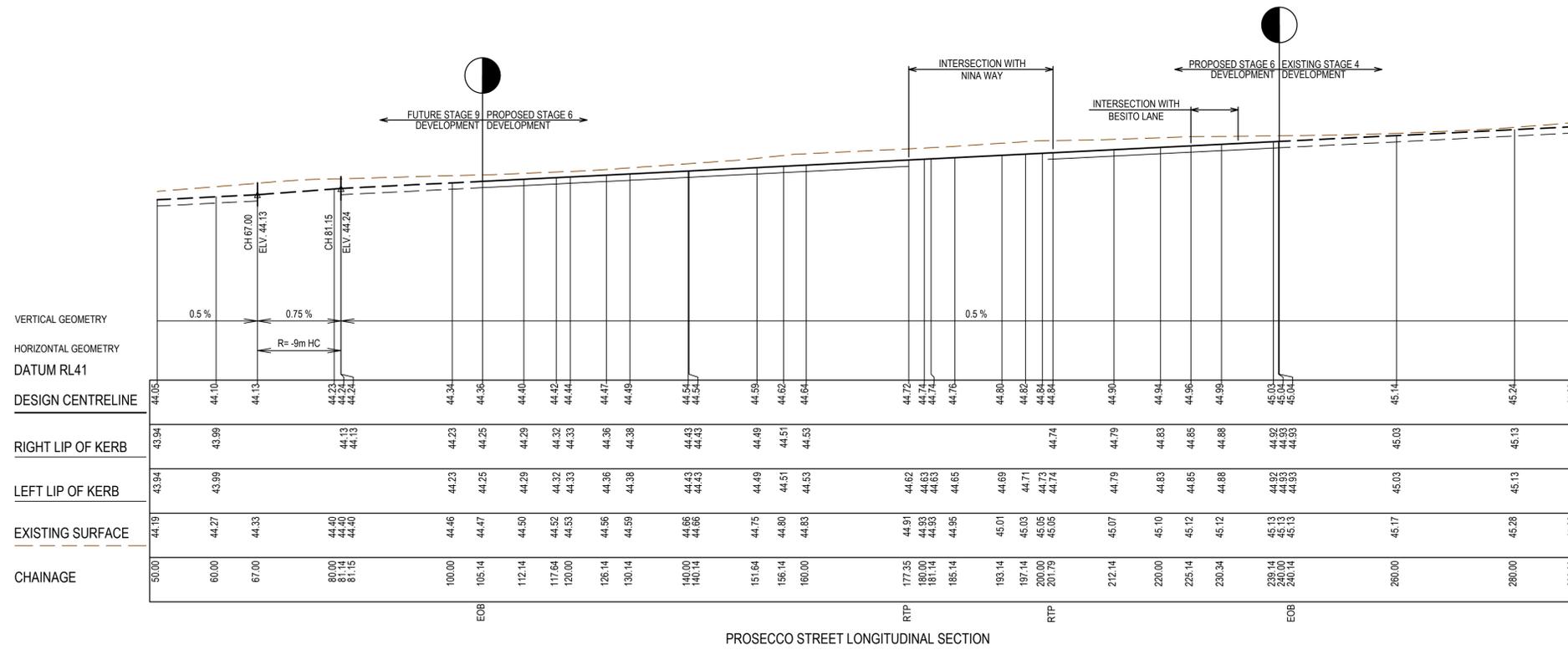
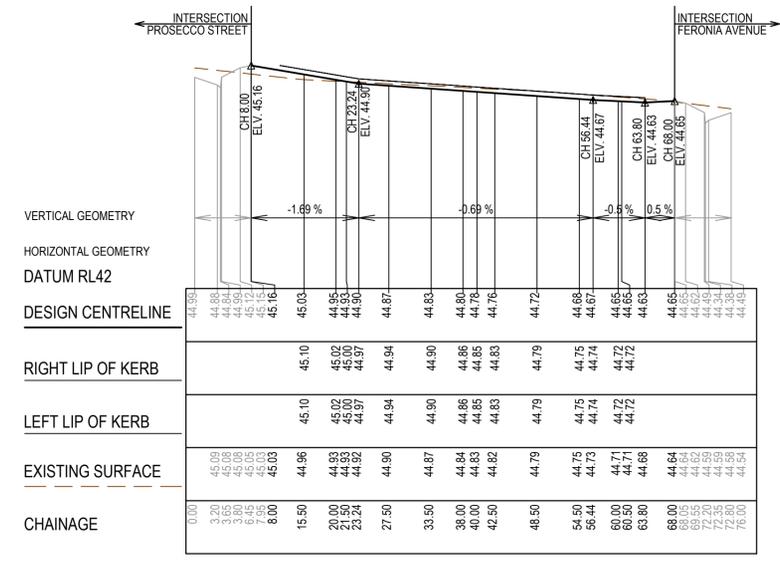
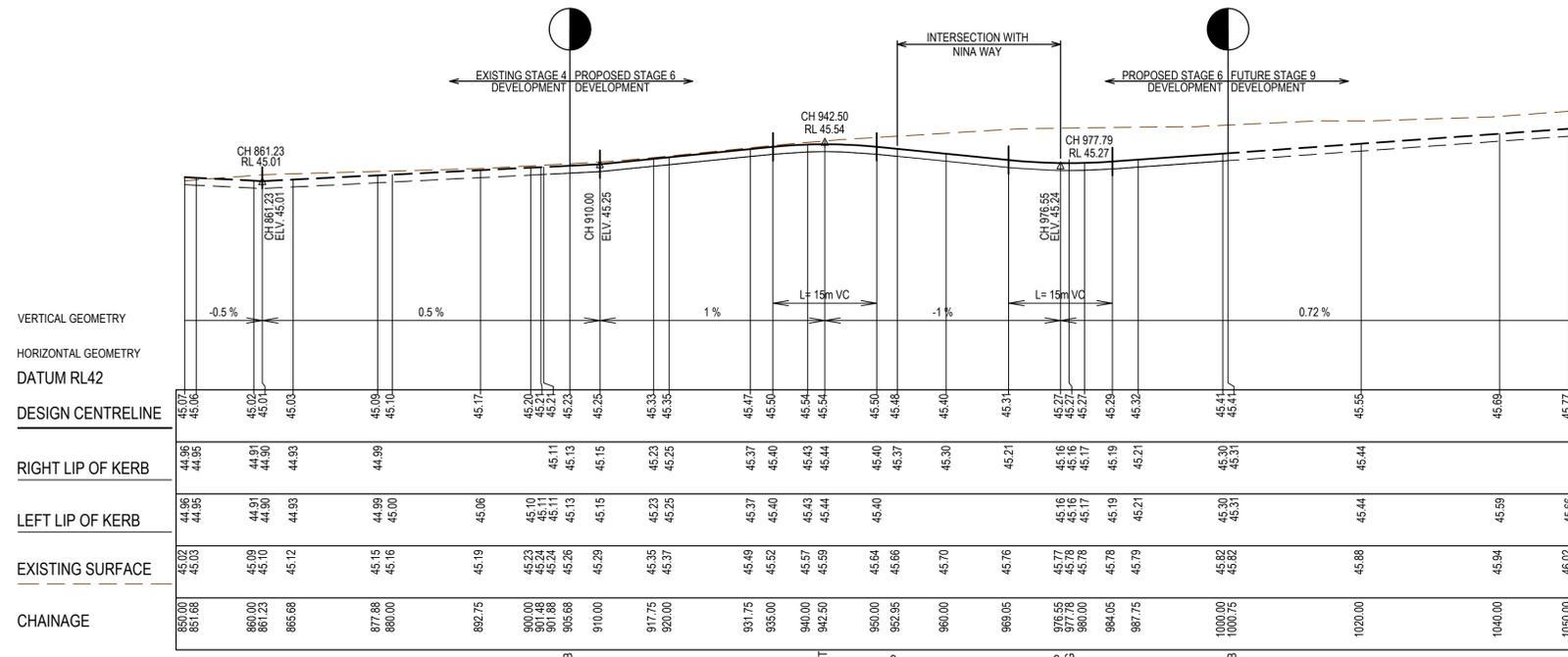


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ALAMORA
 Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Intersection Detail Plan - 2

MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-05	SHEET No. 05 of 19	REVISION 5
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AS CONSTRUCTED PLANS

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 OHS Management AS/NZS 1880
 Environmental Management ISO 14001

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TITLE	NAME
DRAFTER	A.Famili
DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	

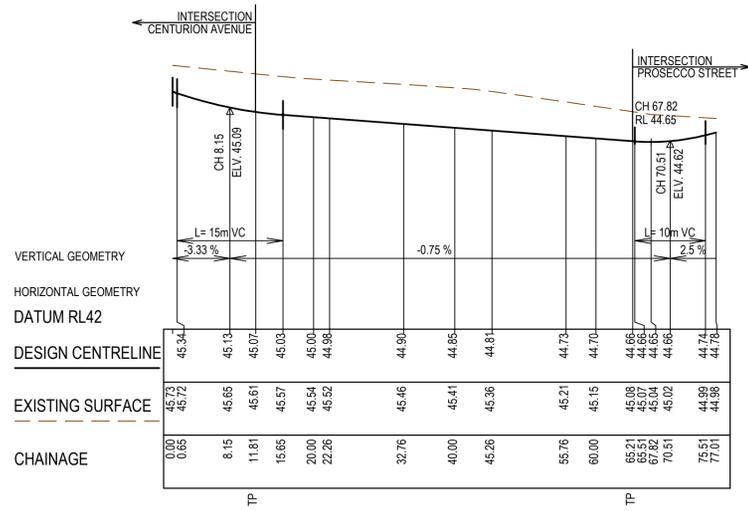
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 0 0.5 1 2
 Scale H1:500, V1:50
 SCALE AS SHOWN AT 1

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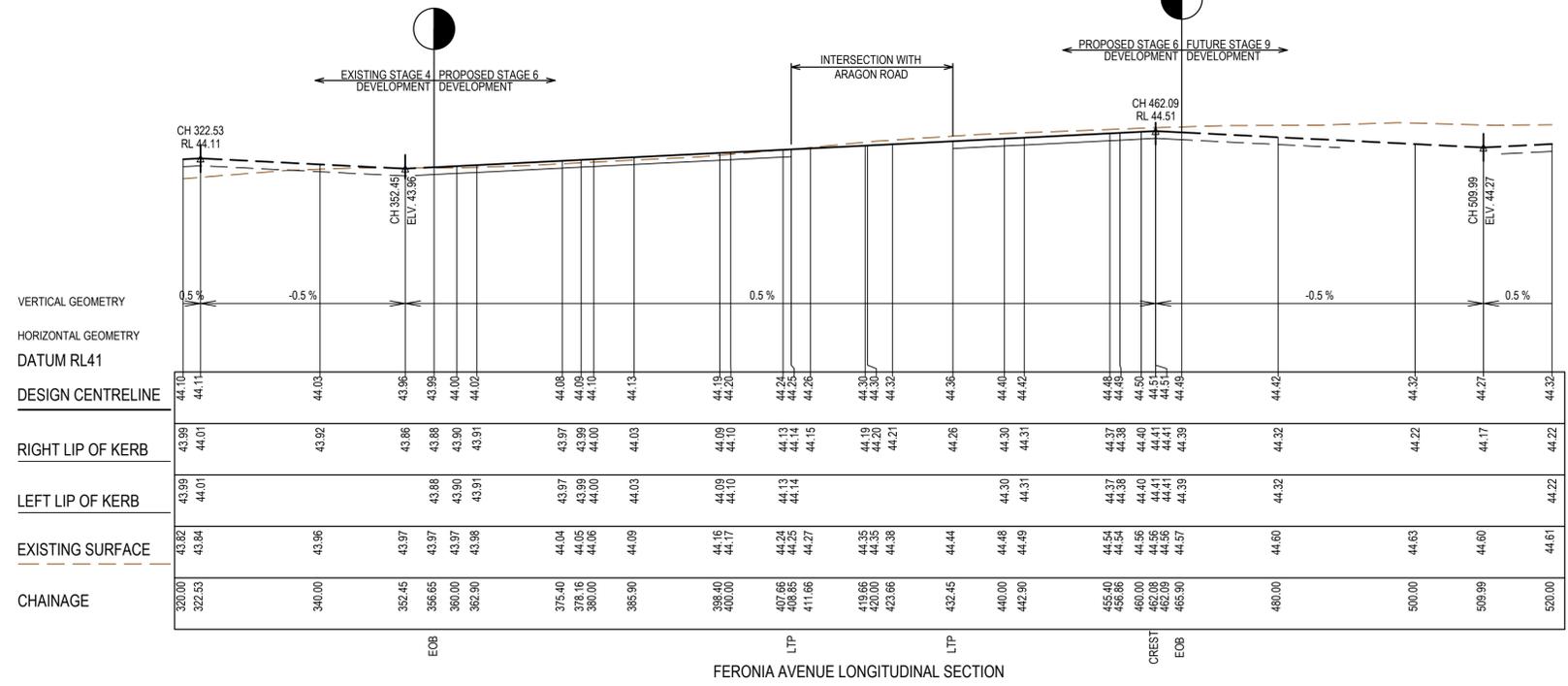
ALAMORA
 Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Longitudinal Sections - 1

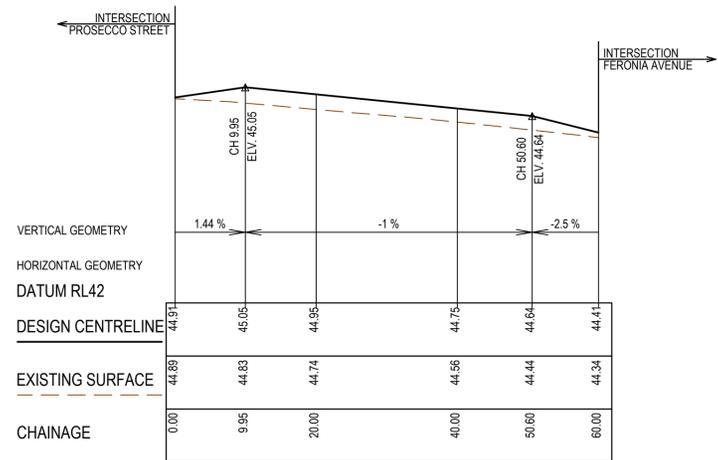
MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-06	SHEET No. 06 of 19	REVISION 4
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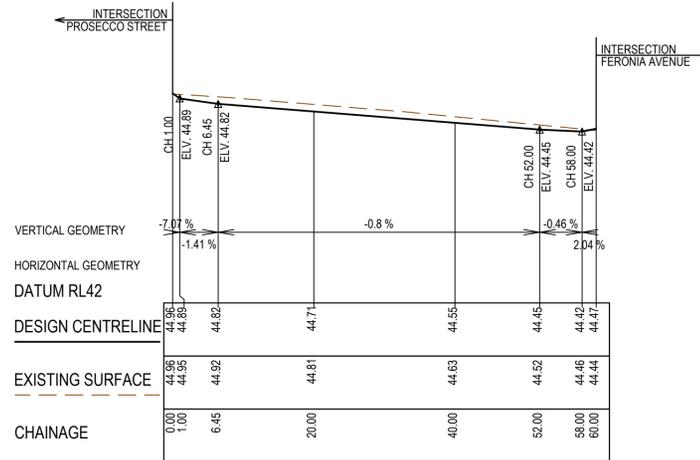
NINA WAY LONGITUDINAL SECTION



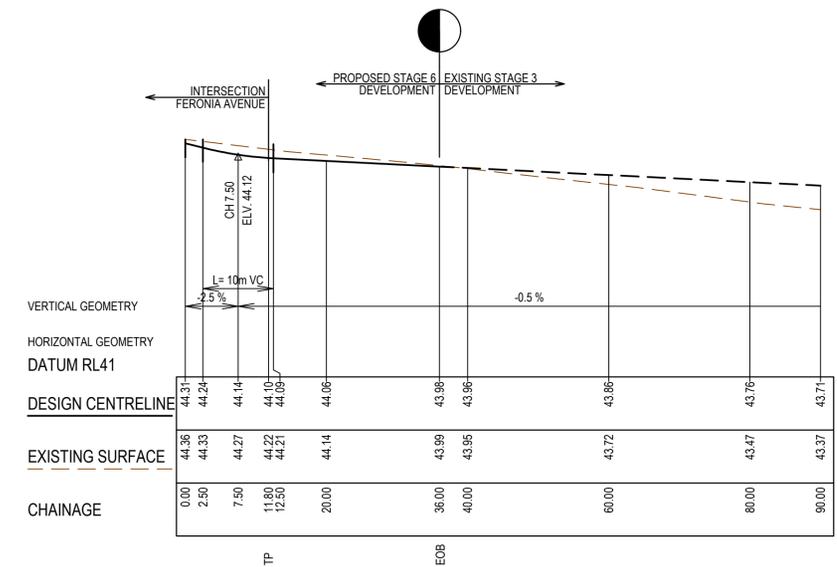
FERONIA AVENUE LONGITUDINAL SECTION



AMARANTH WALK LONGITUDINAL SECTION



PATULA WALK LONGITUDINAL SECTION



ARAGON ROAD LONGITUDINAL SECTION

AS CONSTRUCTED PLANS

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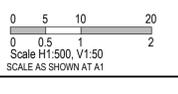
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 OHS Management AS/NZS 1800
 Environmental Management ISO 14001

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TITLE	NAME
DRAFTER	A.Famili
DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	



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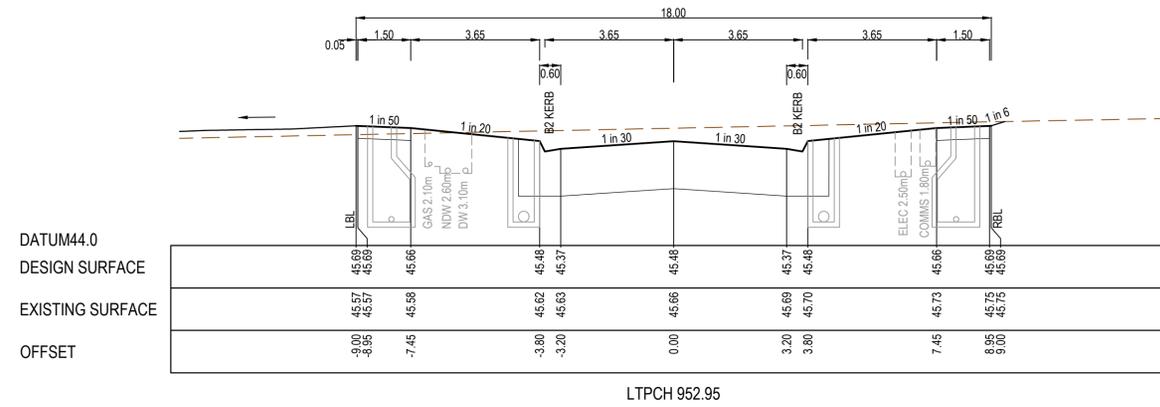
ALAMORA

Tarniet

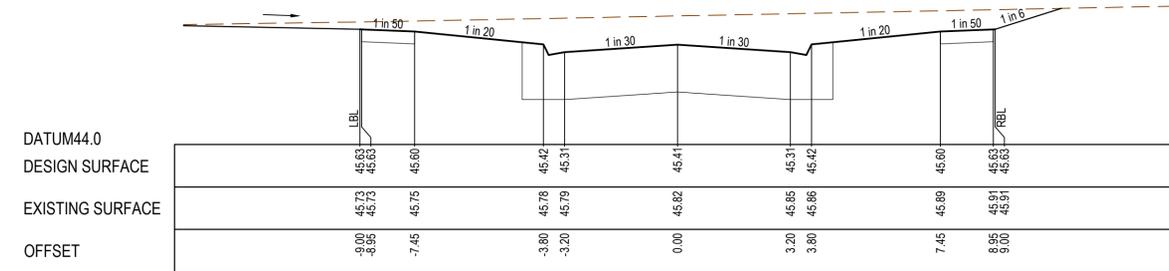
Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Longitudinal Sections - 2

MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-07	SHEET No. 07 of 19	REVISION 4
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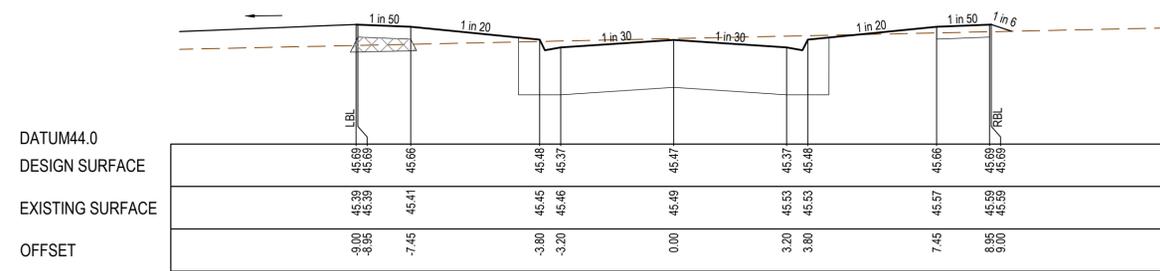
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



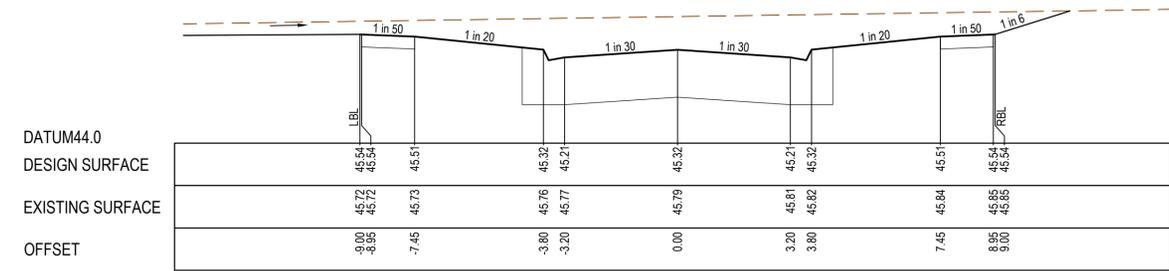
LTPCH 952.95



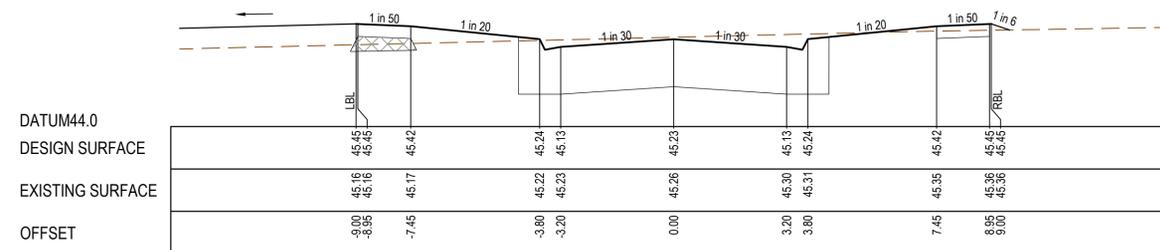
CH 1000.75



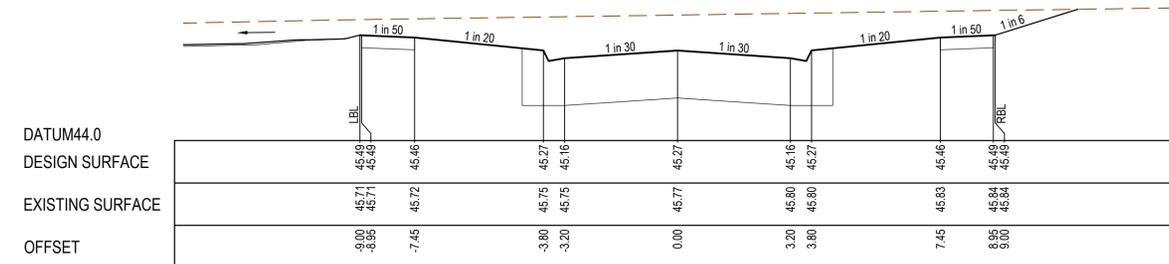
CH 931.75



CH 987.75



CH 905.68



LTPCH 976.55

AS CONSTRUCTED PLANS

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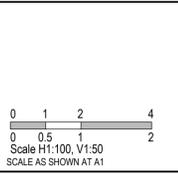
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 Site Management AS/NZS 1800
 Environmental Management ISO 14001

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TITLE	NAME
DRAFTER	A.Famili
DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
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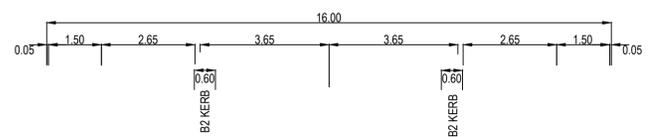
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 ABN 47 065 475 149
 Tower 4, Level 20, 727 Collins Street
 Melbourne, Vic, 3008, Australia
 03 5581 3758

ALAMORA
 Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Cross Sections: Centurion Avenue

MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-08	SHEET No. 08 of 19	REVISION 4
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STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



DATUM43.0

DESIGN SURFACE	44.80	44.80	44.77	44.77	44.64	44.64	44.53	44.53	44.77	44.80	44.80
EXISTING SURFACE	44.77	44.77	44.78	44.78	44.81	44.81	44.81	44.81	44.86	44.87	44.87
OFFSET	0.00	-0.95	-6.45	-6.45	-3.80	-3.20	-3.20	-3.20	3.20	3.80	8.00

CH 160.00

DATUM43.0

DESIGN SURFACE	44.55	44.55	44.62	44.62	44.49	44.49	44.38	44.38	44.62	44.65	44.65
EXISTING SURFACE	44.51	44.51	44.52	44.52	44.55	44.56	44.56	44.56	44.67	44.67	45.02
OFFSET	0.00	-0.95	-6.45	-6.45	-3.80	-3.20	0.00	0.00	3.20	3.80	8.00

CH 130.14

DATUM43.0

DESIGN SURFACE	44.53	44.53	44.50	44.50	44.36	44.36	44.25	44.25	44.50	44.53	44.53
EXISTING SURFACE	44.39	44.39	44.40	44.40	44.43	44.44	44.44	44.44	44.54	44.56	44.56
OFFSET	0.00	-0.95	-6.45	-6.45	-3.80	-3.20	0.00	0.00	3.20	3.80	8.00

CH 105.14

DATUM44.0

DESIGN SURFACE	45.20	45.20	45.17	45.17	45.04	45.04	45.04	45.04	45.17	45.20	45.20
EXISTING SURFACE	45.04	45.04	45.06	45.06	45.09	45.10	45.10	45.13	45.17	45.22	45.22
OFFSET	-8.00	-7.95	-6.45	-6.45	-3.80	-3.20	0.00	0.00	3.20	6.45	7.95

CH 240.14

DATUM44.0

DESIGN SURFACE	45.10	45.10	45.07	45.07	44.94	44.94	44.83	44.83	45.07	45.10	45.10
EXISTING SURFACE	45.02	45.02	45.04	45.04	45.06	45.07	45.07	45.10	45.14	45.18	45.18
OFFSET	-8.00	-7.95	-6.45	-6.45	-3.80	-3.20	0.00	0.00	3.20	3.80	8.00

CH 220.00

DATUM44.0

DESIGN SURFACE	45.01	45.01	44.98	44.98	44.85	44.85	44.74	44.74	44.98	45.01	45.01
EXISTING SURFACE	44.98	44.98	45.00	45.00	45.02	45.02	45.02	45.05	45.08	45.11	45.11
OFFSET	-8.00	-7.95	-6.45	-6.45	-3.80	-3.20	0.00	0.00	3.20	3.80	8.00

RTPCH 201.79

DATUM43.0

DESIGN SURFACE	44.88	44.88	44.86	44.86	44.73	44.73	44.62	44.62	44.72	44.72	44.72
EXISTING SURFACE	44.87	44.87	44.88	44.88	44.89	44.89	44.89	44.89	44.91	44.93	44.93
OFFSET	-8.00	-7.95	-6.45	-6.45	-3.80	-3.20	0.00	0.00	3.20	3.80	6.45

RTPCH 177.35

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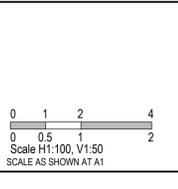
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 Environmental Management ISO 14001

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ABN 47 065 475 149

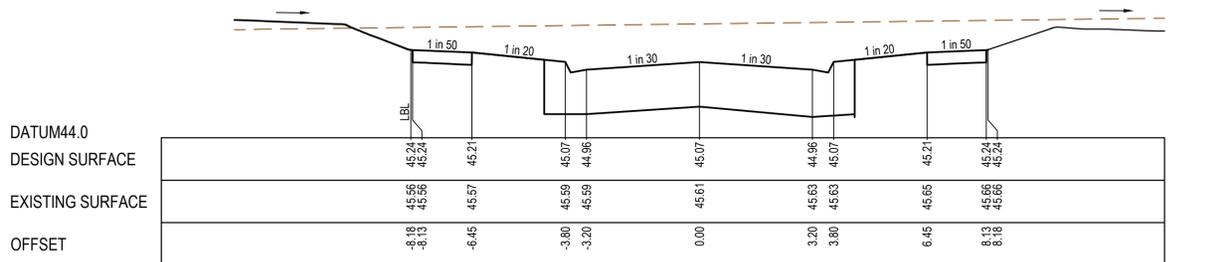
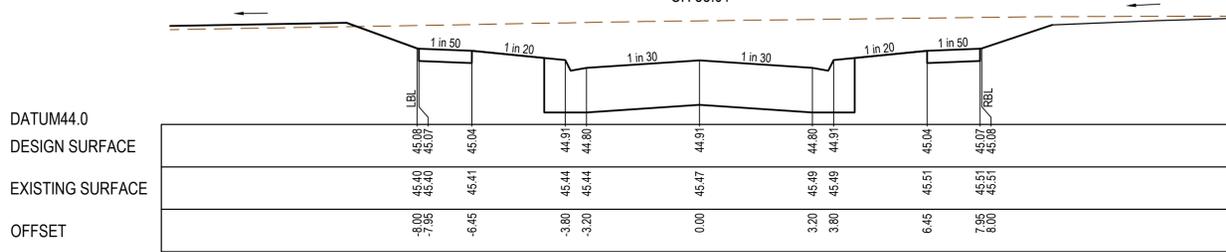
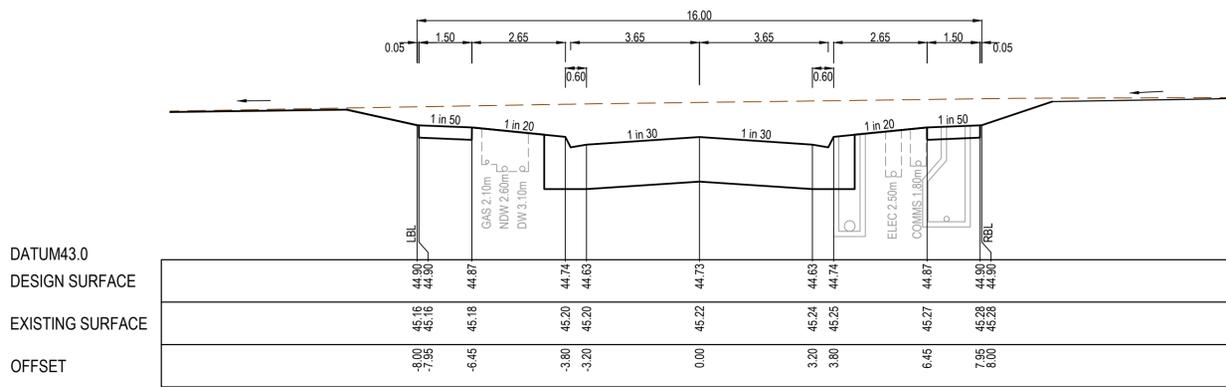
Tower 4, Level 20, 727 Collins Street
 Melbourne, Vic, 3008, Australia
 03 5581 3758

ALAMORA

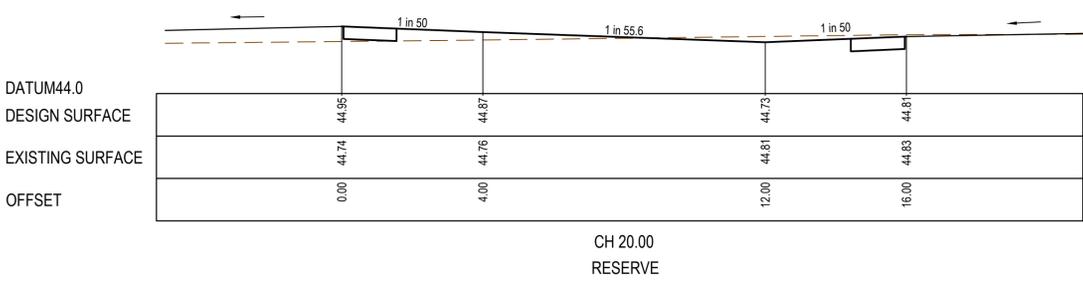
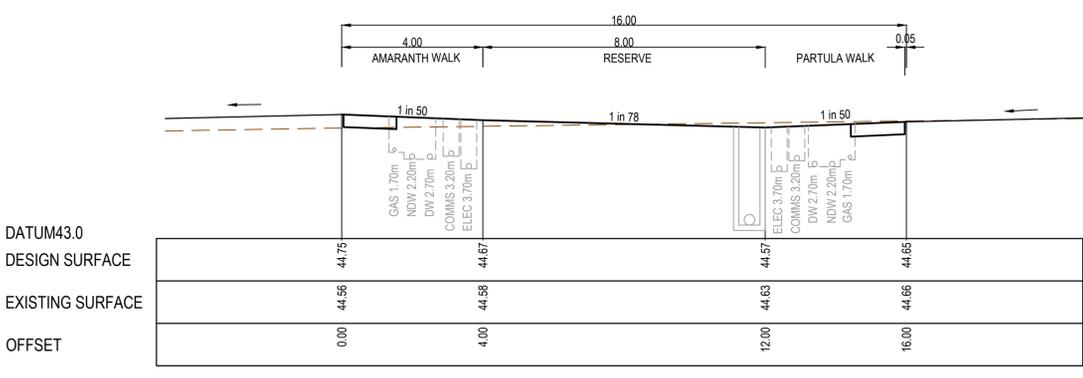
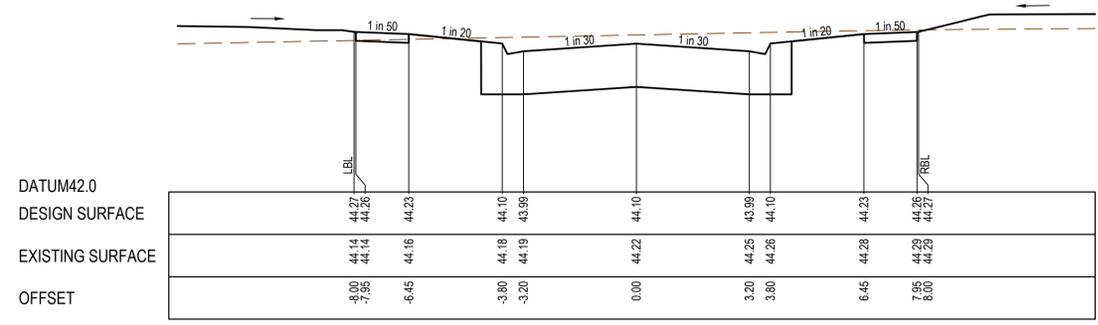
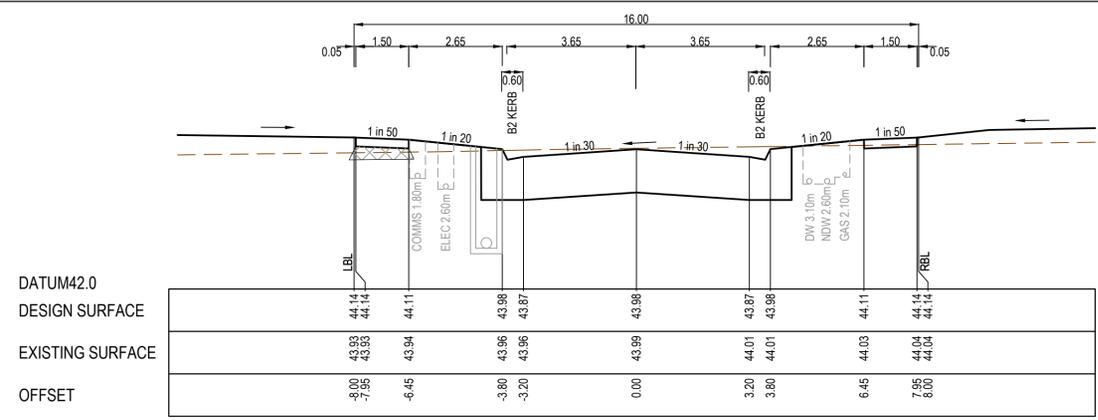
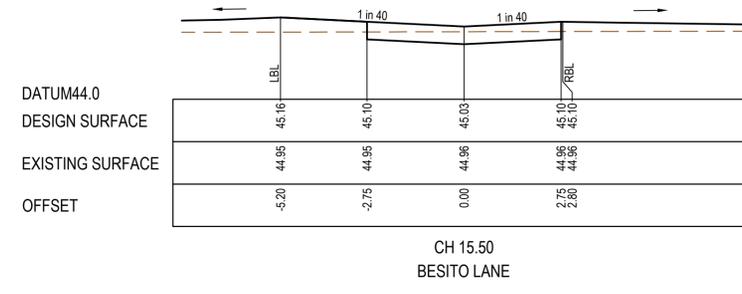
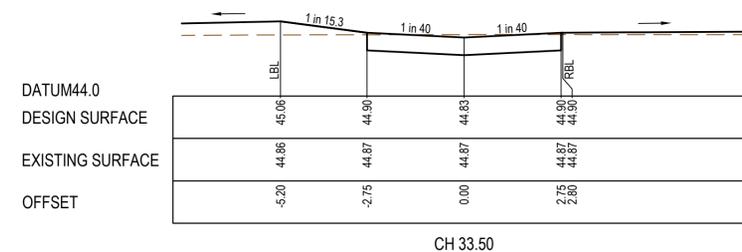
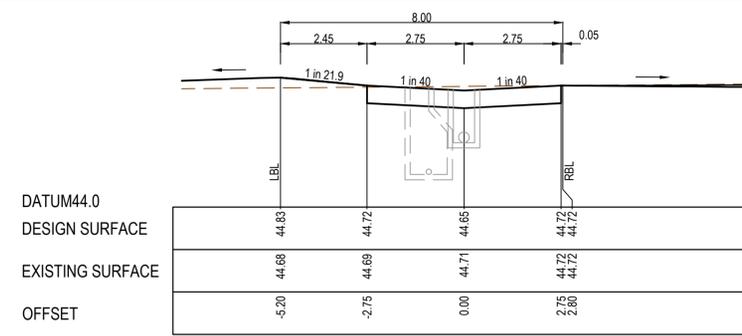
Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Cross Sections: Prosecco Street

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A06-09	09 of 19	4



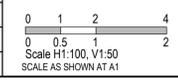
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



AS CONSTRUCTED PLANS
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AS CONSTRUCTED

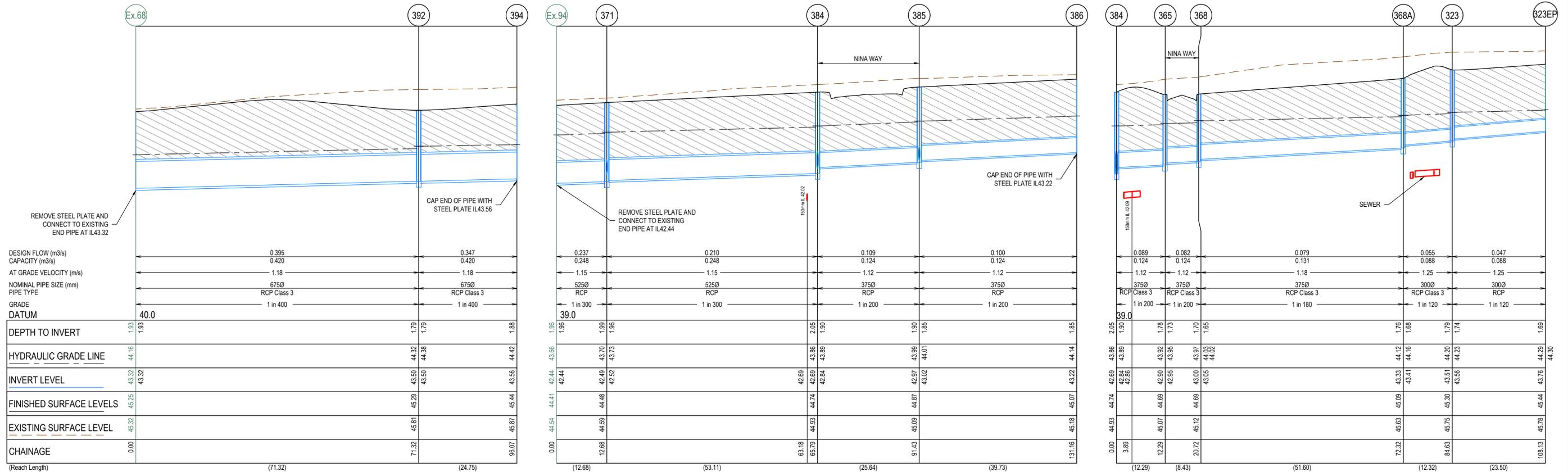
TITLE	NAME
DRAFTER	A.Famili
DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	



Alamora Estate - Sayers Road, Tarniet - Stage 06
Wyndham City Council
Road and Drainage
Cross Sections: Nina Way, Aragon Road, Besito Lane
Pertula Walk, Amaranth Walk & Reserve

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A06-11	11 of 19	6

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



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Quality Management ISO 9001
 OHS Management AS/NZS 1801
 Environmental Management ISO 14001

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TITLE	NAME
DRAFTER	A.Famili
DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	

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

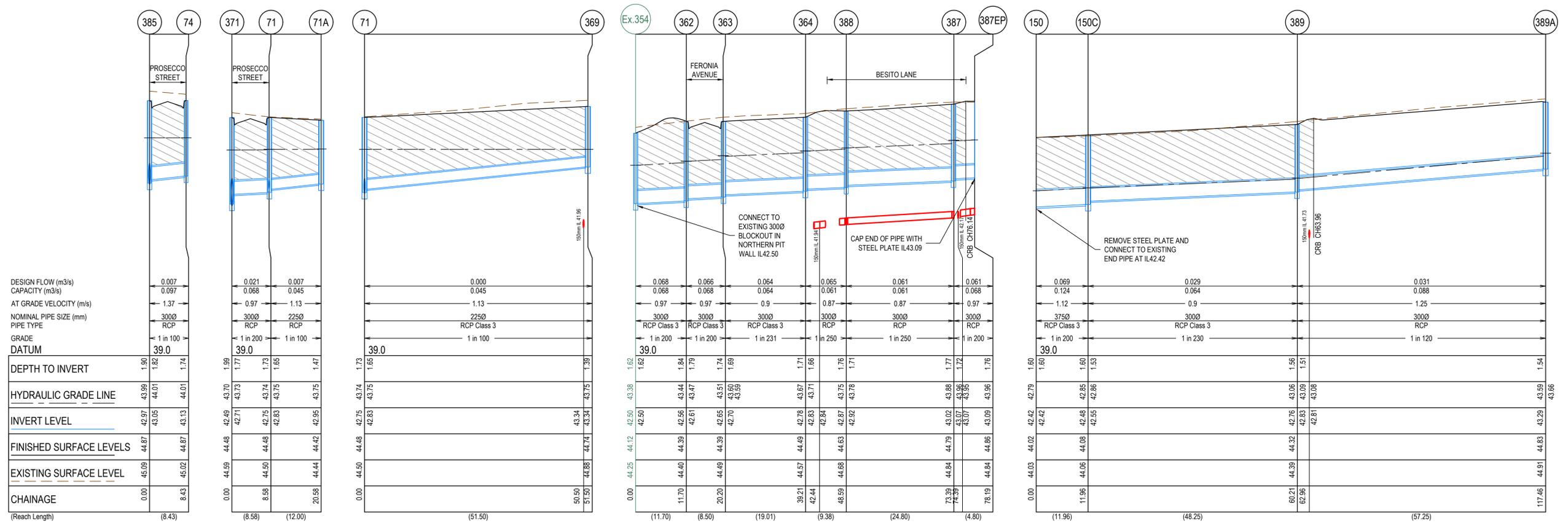
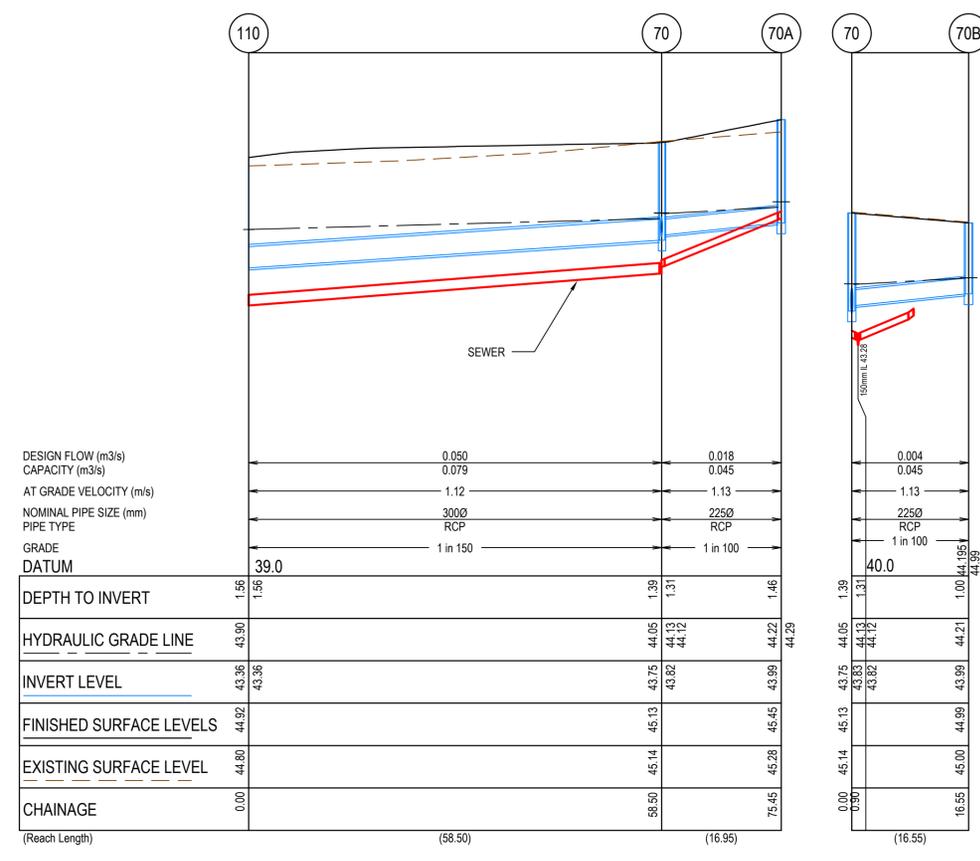
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 Melbourne, Vic. 3008, Australia
 03 5581 3758

ALAMORA
 Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Drainage Longitudinal Sections - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A06-12	12 of 19	4

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



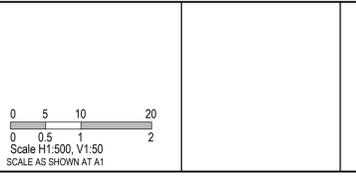
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DESIGNER	A.Famili
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AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	



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ALAMORA
 Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Drainage Longitudinal Sections - 2

MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-13	SHEET No. 13 of 19	REVISION 5
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PIT SCHEDULE											
PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		F.S.L.	DEPTH	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INV R.L. (m)	DIAMETER (mm)	INV R.L. (m)				
Ex68	ENDPIPE			675	43.319	675	43.319	45.254	1.935		REMOVE STEEL PLATE AND CONNECT TO EXISTING END PIPE
392	DOUBLE SIDE ENTRY PIT GRATED	1050	900	675	43.497	675	43.497	45.286	1.788	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
394	ENDPIPE					675	43.559	45.442	1.883		CAP END OF PIPE WITH STEEL PLATE
Ex94	ENDPIPE			525	42.444	525	42.444	44.408	1.964		REMOVE STEEL PLATE AND CONNECT TO EXISTING END PIPE
371	SIDE ENTRY PIT GRATED	750	900	525	42.516	525	42.486	44.479	1.993	EDCM 601 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
384	JUNCTION PIT	750	900	375	42.843	525	42.693	44.741	2.048	EDCM 605 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
385	SIDE ENTRY PIT GRATED	750	900	375	42.843	375	42.971	44.869	1.898	EDCM 601 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
386	ENDPIPE					375	43.22	45.068	1.848		CAP END OF PIPE WITH STEEL PLATE
365	DOUBLE SIDE ENTRY PIT GRATED	750	900	375	42.954	375	42.904	44.689	1.785	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
368	DOUBLE SIDE ENTRY PIT GRATED	600	900	375	43.047	375	42.997	44.693	1.697	EDCM 602	
368A	SIDE ENTRY PIT GRATED	600	900	300	43.408	375	43.333	45.089	1.756	EDCM 601	
323	DOUBLE SIDE ENTRY PIT GRATED	600	900	300	43.561	300	43.511	45.297	1.786	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
323EP	ENDPIPE					300	43.757	45.444	1.687		CAP END OF PIPE WITH STEEL PLATE
74	SIDE ENTRY PIT GRATED	600	900			300	43.13	44.873	1.743	EDCM 601	
71	SIDE ENTRY PIT GRATED	600	900	225	42.829	300	42.754	44.483	1.729	EDCM 601	
71A	JUNCTION PIT	600	900	225	42.829	225	42.949	44.419	1.47	EDCM 605	
369	JUNCTION PIT	600	900			225	43.344	44.737	1.393	EDCM 605	
Ex354	JUNCTION PIT	600	900	300	42.499	300	42.449	44.12	1.67	EDCM 605	CONNECT TO EXISTING PIT FROM EAST SIDE WALL
362	SIDE ENTRY PIT GRATED	600	900	300	42.608	300	42.558	44.394	1.836	EDCM 601	
363	SIDE ENTRY PIT GRATED	600	900	300	42.7	300	42.651	44.394	1.743	EDCM 601	
364	JUNCTION PIT	600	900	300	42.833	300	42.783	44.489	1.706	EDCM 605	
388	GRATED ENTRY PIT	900	600	300	42.92	300	42.87	44.632	1.762	EDCM 605	PROVIDE HEAVY DUTY GRATED COVER
387	JUNCTION PIT	600	900	300	43.069	300	43.019	44.789	1.77	EDCM 605	PROVIDE HEAVY DUTY COVER
387EP	ENDPIPE					300	43.093	44.856	1.763		CAP END OF PIPE WITH STEEL PLATE
150	ENDPIPE			375	42.42	375	42.42	44.021	1.601		REMOVE STEEL PLATE AND CONNECT TO EXISTING END PIPE
150C	SIDE ENTRY PIT GRATED	600	900	300	42.554	375	42.479	44.08	1.601	EDCM 601	
389	JUNCTION PIT	600	900	300	42.814	300	42.764	44.322	1.557	EDCM 605	
389A	GRATED ENTRY PIT	600	900	300	43.291	300	43.291	44.835	1.543	EDCM 605	PROVIDE GRATED COVER
110	ENDPIPE			300				44.918	1.561		REMOVE STEEL PLATE AND CONNECT TO EXISTING END PIPE
70	JUNCTION PIT	900	600	225	43.822	300	43.747	45.133	1.385	EDCM 605	
70A	JUNCTION PIT	600	900			225	43.992	45.453	1.462	EDCM 605	
70B	JUNCTION PIT	600	900			225	43.988	44.993	1.005	EDCM 605	

AS CONSTRUCTED PLANS

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 OHS Management - AS/NZS 1881
 Environmental Management - ISO 14001

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TITLE	NAME
DRAFTER	A.Famili
DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	

SCALE AS SHOWN AT A1

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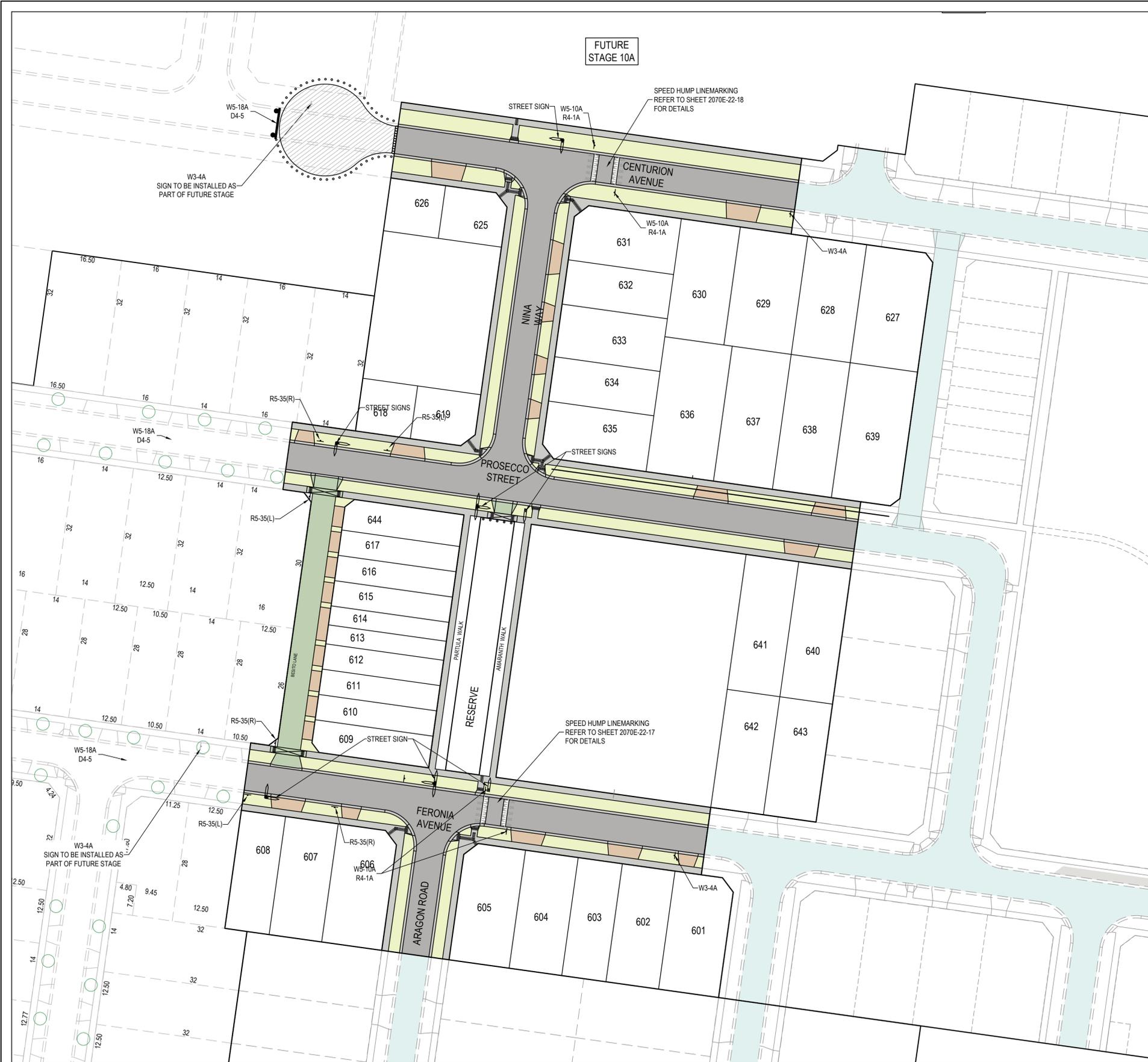
ABN 47 065 475 149

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ALAMORA
 Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Pit Schedule

MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-14	SHEET No. 14 of 19	REVISION 5
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LEGEND - SIGN AND LINEMARKING	
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	WARNING CAUTION SPEED HUMP
	SPEED HUMP AHEAD
	SPEED LIMIT
	ROAD ENDS
	OBSTRUCTION MARKER
	NO STOPPING ON BIN COLLECTION DAY
	NO STOPPING ON BIN COLLECTION DAY

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

- NOTES**
- 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPMS 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.

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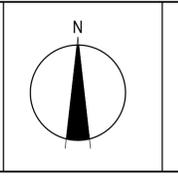
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Site Management AS/NZS 1801
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Environmental Management ISO 14001
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TITLE	NAME
DRAFTER	A.Famili
DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	

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



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Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Signs & Linemarking Plan

MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-15	SHEET No. 15 of 19	REVISION 5
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ACCESS STREET LEVEL 1 - CENTURION AVENUE PAVEMENT COMPOSITION			
670mm DEEP PAVEMENT (INCLUDING 250mm DEEP CAPPING) AND 150mm SUBGRADE			
PAVEMENT LAYER		DEPTH (mm)	MATERIAL
ASPHALT	WEARING COURSE	30	SIZE 10 TYPE N ASPHALT CLASS 320 BINDER
	INTERMEDIATE COURSE	30	SIZE 10 TYPE N ASPHALT CLASS 320 BINDER
	SAMI SEAL	-	SIZE 10 SAMI SEAL S18RF
	BITUMINOUS PRIME	-	BITUMINOUS PRIME
BASE COURSE		130	SIZE 20 CLASS 2 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289, 5.2.1
SUBBASE COURSE		230	SIZE 20 CLASS 3 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY RATIO OF 96% (MODIFIED) AS1289, 5.2.1
CAPPING		250	RIPPED ROCK (SELECT FILL) OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ ms AND SWELL < 1.5% MATERIAL, COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1
SUBGRADE/CONSTRUCTION LAYER		150	RIPPED ROCK OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ ms AND SWELL < 1.5% MATERIAL, COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1

ACCESS STREET LEVEL 2 - FERONIA AVENUE PAVEMENT COMPOSITION			
730mm DEEP PAVEMENT (INCLUDING 250mm DEEP CAPPING) AND 150mm SUBGRADE			
PAVEMENT LAYER		DEPTH (mm)	MATERIAL
ASPHALT	WEARING COURSE	40	SIZE 14 TYPE N ASPHALT CLASS 320 BINDER
	INTERMEDIATE COURSE	40	SIZE 14 TYPE HP ASPHALT CLASS A10E BINDER
	SAMI SEAL	-	SIZE 10 SAMI SEAL S18RF
	BITUMINOUS PRIME	-	BITUMINOUS PRIME
BASE COURSE		110	SIZE 20 CLASS 2 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289, 5.2.1
SUBBASE COURSE		290	SIZE 20 CLASS 3 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY RATIO OF 96% (MODIFIED) AS1289, 5.2.1
CAPPING		250	RIPPED ROCK (SELECT FILL) OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ ms AND SWELL < 1.5% MATERIAL, COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1
SUBGRADE/CONSTRUCTION LAYER		150	RIPPED ROCK OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ ms AND SWELL < 1.5% MATERIAL, COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1

LANEWAY - BESITO LANE PAVEMENT COMPOSITION			
300mm DEEP PAVEMENT			
PAVEMENT LAYER		DEPTH (mm)	MATERIAL
CONCRETE		200	CONCRETE, 32MPa, SL&2 MESH, 40mm TOP COVER
BASE COURSE		100	SIZE 20 CLASS 3 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY RATIO OF 96% (MODIFIED) AS1289, 5.2.1

ACCESS PLACE - NINA WAY & PROSECCO STREET			
530mm DEEP PAVEMENT (INCLUDING 200mm DEEP CAPPING) AND 150mm SUBGRADE			
PAVEMENT LAYER		DEPTH (mm)	MATERIAL
ASPHALT	WEARING COURSE	30	SIZE 10 TYPE L ASPHALT CLASS 320 BINDER
	INTERMEDIATE COURSE	30	SIZE 10 TYPE N ASPHALT CLASS 320 BINDER
	SAMI SEAL	-	SIZE 10 SAMI SEAL S18RF
	BITUMINOUS PRIME	-	BITUMINOUS PRIME
BASE COURSE		130	SIZE 20 CLASS 2 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289, 5.2.1
SUBBASE COURSE		140	SIZE 20 CLASS 3 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY RATIO OF 96% (MODIFIED) AS1289, 5.2.1
CAPPING		200	RIPPED ROCK (SELECT FILL) OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ ms AND SWELL < 1.5% MATERIAL, COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1
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ACCESS LANE - ARAGON ROAD			
520mm DEEP PAVEMENT (INCLUDING 200mm DEEP CAPPING) AND 150mm SUBGRADE			
PAVEMENT LAYER		DEPTH (mm)	MATERIAL
ASPHALT	WEARING COURSE	20	SIZE 7 TYPE L ASPHALT CLASS 320 BINDER
	INTERMEDIATE COURSE	30	SIZE 10 TYPE N ASPHALT CLASS 320 BINDER
	INTERLAYER	-	SIZE 10 SAMI SEAL S18RF
	BONDING LAYER	-	BITUMINOUS PRIME
BASE COURSE		140	SIZE 20 CLASS 2 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY RATIO OF 96% (MODIFIED) AS1289, 5.2.1
SUBBASE COURSE		130	SIZE 20 CLASS 3 CRUSHED ROCK, COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289, 5.2.1
CAPPING		200	RIPPED ROCK (SELECT FILL) OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ ms AND SWELL < 1.5% MATERIAL, COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1
SUBGRADE/CONSTRUCTION LAYER		150	RIPPED ROCK OR STABILISED CLAY MEETING THE FOLLOWING PROPERTIES: CBR >=7%, PERMEABILITY k < 1x10 ⁻⁹ ms AND SWELL < 1.5% MATERIAL, COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1

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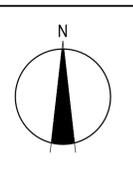
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DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
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0 5 10 20
 Scale 1:500
 SCALE AS SHOWN AT 1

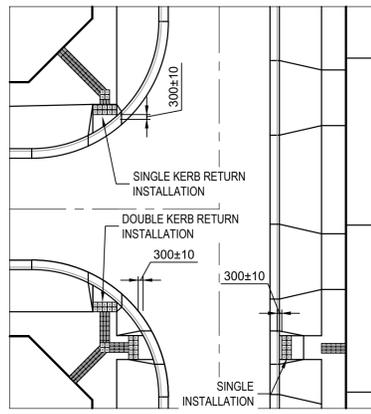


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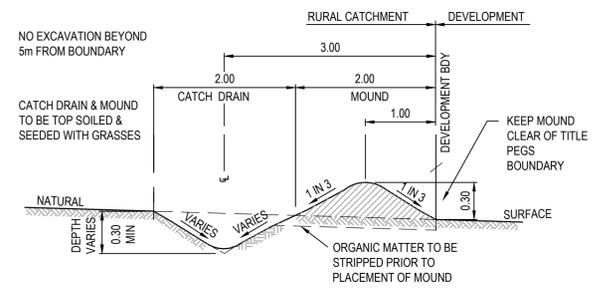
ALAMORA
 Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Pavement Details

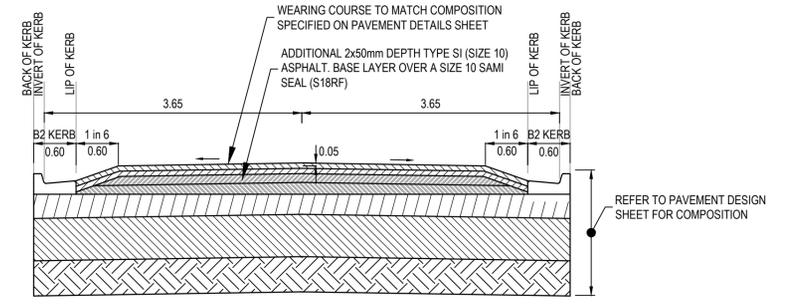
MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-16	SHEET No. 16 of 19	REVISION 5
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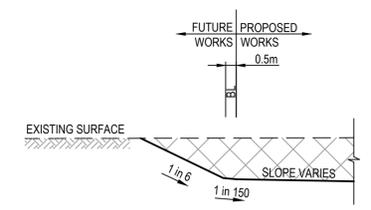
TYPICAL TGS LAYOUT
N.T.S
REFER TO NOTE 34



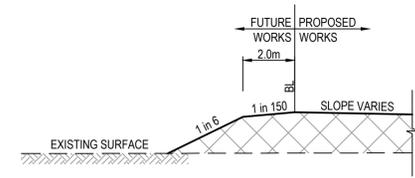
TYPICAL SECTION THROUGH CATCH DRAIN
NOT TO SCALE



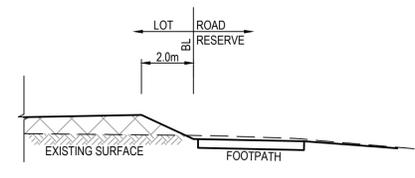
FLAT TOP RAISED PAVEMENT
SECTION B-B
NOT TO SCALE



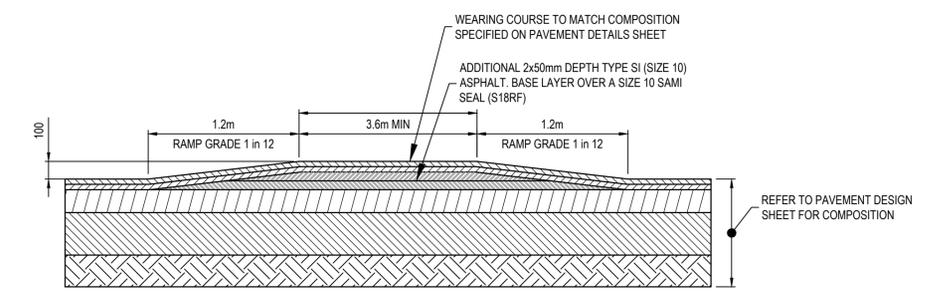
CUT BATTER INTO FUTURE LOT
NOT TO SCALE



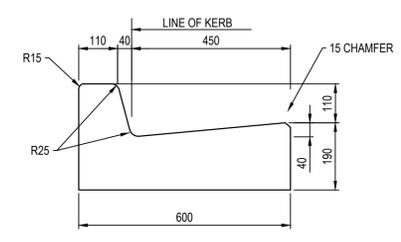
FILL BATTER INTO FUTURE LOT
NOT TO SCALE



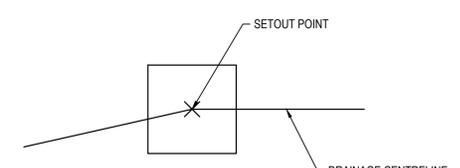
TYPICAL RIDGE BATTER DETAIL
NOT TO SCALE



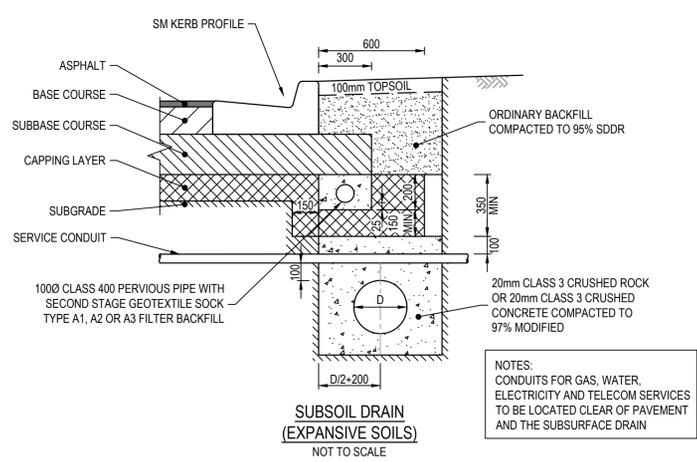
FLAT TOP RAISED PAVEMENT
SECTION A-A
NOT TO SCALE



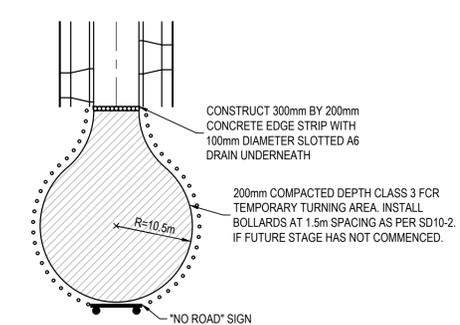
600 B2 KERB DETAIL
SCALE 1:10
EDCM



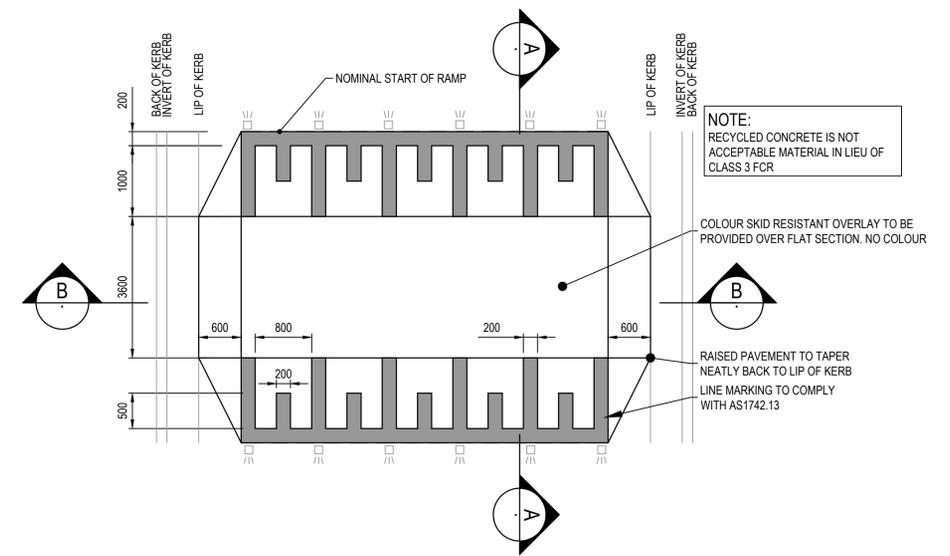
PIT SETOUT POINT DETAIL
NOT TO SCALE



SUBSOIL DRAIN
(EXPANSIVE SOILS)
NOT TO SCALE



TEMPORARY TURN AREA DETAIL
NOT TO SCALE



LINE MARKING FOR RAISED PAVEMENTS
NOT TO SCALE

NOTE:
RECYCLED CONCRETE IS NOT ACCEPTABLE MATERIAL IN LIEU OF CLASS 3 FCR

COLOUR SKID RESISTANT OVERLAY TO BE PROVIDED OVER FLAT SECTION. NO COLOUR

RAISED PAVEMENT TO TAPER NEATLY BACK TO LIP OF KERB
LINE MARKING TO COMPLY WITH AS1742.13

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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Quality Management ISO 9001
Site Management AS/NZS 1801
Environmental Management ISO 14001

TITLE	NAME
DRAFTER	A.Famili
DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	

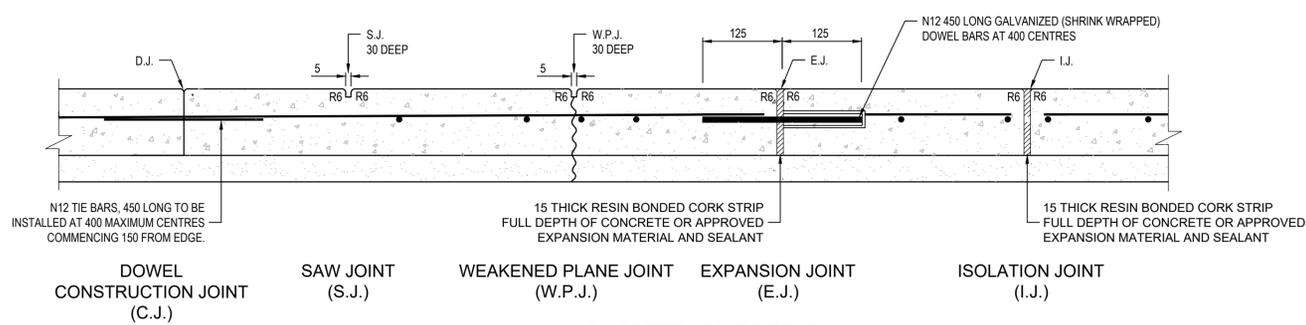
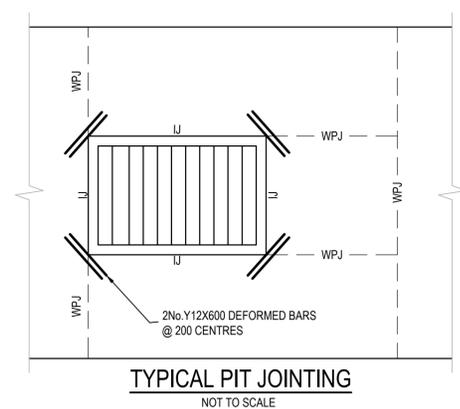
Scale 1:10
Scale AS SHOWN AT A1

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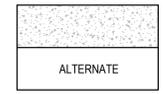
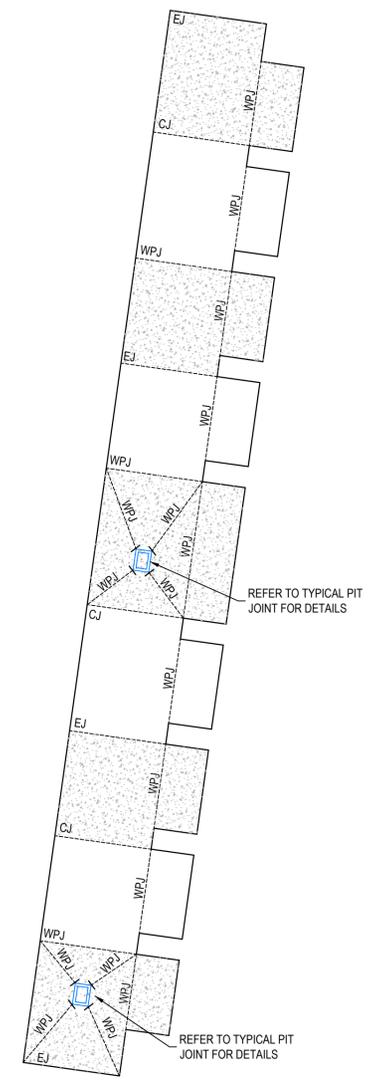
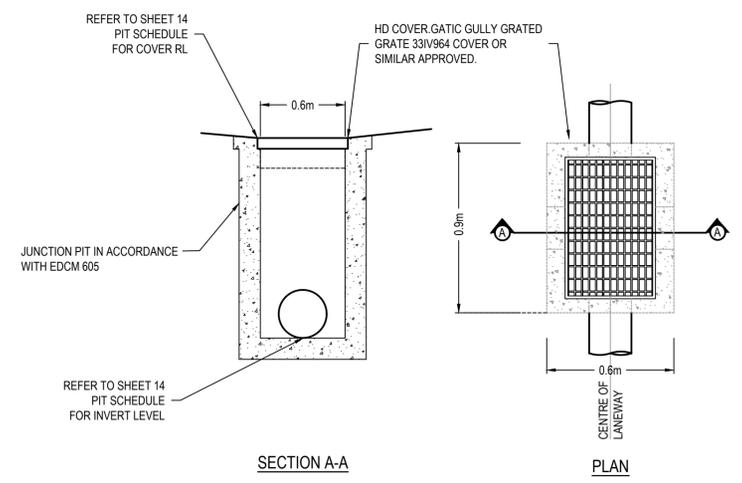
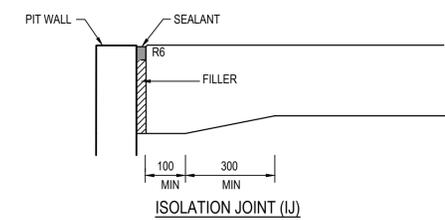
ALAMORA
Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06
Wyndham City Council
Road and Drainage
Typical Details Plan - 1

MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-17	SHEET No. 17 of 19	REVISION 3
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- NOTES:**
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 CONCRETE 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 BUILDER/CONTRACTOR.
 7. CONTROL JOINTS IN CONCRETE SLAB AT REGULAR INTERVALS NOT EXCEEDING 5 METRES IN EACH DIRECTION. CONTROL JOINTS MAY BE EITHER SAWCUT OR KEYS CONSTRUCTION JOINTS.
 8. TRANSVERSE/CONTRACTION JOINTS ARE TO BE PLACED AT A MAXIMUM SPACING OF 15m.
 9. ALL JOINTS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH CCAA - GUIDE (CEMENT & CONCRETE ASSOCIATION OF AUSTRALIA).



AS CONSTRUCTED PLANS

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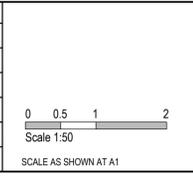
AS CONSTRUCTED

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Quality Management - ISO 9001
 OHS Management - AS/NZS 1801
 Environmental Management - ISO 14001

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TITLE	NAME
DRAFTER	A.Famili
DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	



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 03 5581 3758

ALAMORA
Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Typical Details Plan - 2

MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-18	SHEET No. 18 of 19	REVISION 2
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Project Name: Alamora Stage 6	Design Package: 2070E-A06
	Date: 10/02/2021

PHASE	DISCIPLINE CODE	RISK REGISTER - CONSTRUCTION / OPERATIONS / MAINTENANCE		RISK OWNER	POTENTIAL CONSEQUENCES	POTENTIAL ELIMINATION MEASURE, DESIGN INITIATIVE or CONTROL (Identify any Standard or Code of practice used)	HOW ISSUE ADDRESSED IN DESIGN AND/OR CONSTRUCTION OF THE WORKS	IS THE RISK ELIMINATED YES/NO	Score remaining residual risk		
		POTENTIAL RISK							Residual Risk Likelihood (0-5)	Residual Risk Consequence (0-5)	Residual Risk Rating
			Road Furniture / Roadside features								
Construction	RD	Roads	Construction close to live traffic	Contractor	Disruptions to live traffic, construction incident involving live traffic.	Provide safe temporary traffic control (TCP)	TCP provided within contract	N	5	3	15
Construction	RD	Roads	Culverts	Contractor	Potential risk from culverts under construction and height / fall hazards	Temporary barriers to be provided	Temporary barrier provided in contract	N	2	5	10
Construction	US	Utilities or Services	Utilities become a hazard within clear zones	Contractor	Vehicle conflict with utility / pit	Sequence works and protect with temp barrier or traffic control (TCP)	TCP provided within contract	N	1	5	5
Operational	RD	Roads	Sight Lines	Road Authority	Inadequate drivers response time.	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Vis lines checked and discussed with approval authority as part of design approval process	N	1	4	4
Operational	LS	Lines and Signs	Signs and street lights	Road Authority	Potential for drivers / riders to strike signs and street lights	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Refer to appropriate standard for sign and lighting offsets	N	1	4	4
Operational	RF	Road Furniture	Headwalls	Road Authority	Potential vehicle conflict within clear zone	Establish adequate clear zone provision	Adequate barrier provided as per appropriate standard where within clear zone. Culvert headwall selection in accordance with authority standard	N	2	4	8
Operational	RD	Roads	Culverts	Relevant Authority	Potential fall hazard during maintenance, by vehicles and pedestrians	Barriers to be provided in accordance with road standards	Barriers to be provided and safe batter slopes (>1:3)	N	2	5	10
			Retaining Walls								
Construction	RW	Retaining Walls	Retaining Wall Alignment	Contractor	Falling from height during construction or commissioning of walls and adjacent structures eg. sewer manholes	Provide temporary and permanent fencing at top of wall.	Provide fencing (at heights) during design process	N	1	1	1
Operational	RW	Retaining Walls	Retaining Wall Alignment	Road/ Local Authority	Lack of safe access/setback from road	Establish adequate and accessible clear zone provision. Provide guardrail where required	Wall located in suitable position during design process and approved by authority	N	1	1	1
Operational	RW	Retaining Walls	Retaining Wall Height	Road/ Local Authority	Potential for falling from height	Provide temporary and permanent fencing at top of wall.	Provide fencing (at heights) during design process	N	1	5	5
Operational	RW	Retaining Walls	Retaining Wall Design	Road/ Local Authority	Potential for wall failure	Structural design in accordance with standards, geotechnical conditions, end use and good practise.	Refer to structural drawings and calculations	N	1	5	5
			Drainage								
Operational	DR	Drainage	Grated Pits	Relevant Authority	Trip/fall hazard with large spaced grate	Provide pedestrian/bicycle friendly grates where applicable. Refer to pit schedule	Design in accordance with authority and manufacturers standards	N	3	2	6
Operational	DR	Drainage	Non Standard Large Pits	Relevant Authority	Potential for pit failure	Structural design in accordance with relevant design principles.	Refer to structural drawings and calculations	N	1	4	4
Operational	DR	Drainage	Culvert Endwalls/Headwalls	Relevant Authority	Potential for falling from height	Fencing to be provided where culverts/headwalls are at height in accordance with relevant authority standards	Allow for fencing in Design Process	N	1	4	4
Operational	DR	Drainage	Culvert Endwall/Headwall Outlets	Relevant Authority	Children playing in large pipes / watercourses and access for maintenance	Grate provided to authority standards	Design in accordance with authority and manufacturers standards	N	2	5	10
Maintenance	DR	Drainage	Access to Pits	Relevant Authority	Lack of safe access for maintenance	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	5	10
Maintenance	DR	Drainage	Deep Pits	Relevant Authority	Lack of safe entry for maintenance	Contractor to be certified for work in confined spaces, step irons to be provided to appropriate authority standards. Refer to pit schedule	Design in accordance with authority standards	N	1	5	5
Maintenance	DR	Drainage	Access to drains / culverts	Relevant Authority	Lack of safe access for maintenance	Provide safe working conditions for maintenance. Access as approved by authority	Design pit in location for easy access as agreed with authority	N	2	3	6
			Sewer								
Construction	SE	Sewer	Sewer Manhole located adjacent to Retaining Wall Alignment	Contractor	Falling from height during construction or commissioning of adjacent sewer manholes	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	Deep Manholes	Relevant Authority	Lack of safe entry for maintenance	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	Access to Manholes	Relevant Authority	Lack of safe access for maintenance	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	Pump Station Access	Relevant Authority	Lack of safe access for maintenance	Provide safe working conditions for maintenance	Design pump station in location for easy access	N	2	4	8
			Electricity								
Operational	ES	Electrical Services	Electrical Design	Relevant Authority	Location of assets within clear zones e.g., pits/ substations	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	3	6
			Telstra								
Operational	TE	Telstra	Telstra Design	Relevant Authority	Location of assets within clear zones e.g., pits	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
			Water								
Operational	WA	Water	Water Design	Relevant Authority	Location of assets within clear zones e.g., pits/ substations	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
			Gas								
Operational	GA	Gas	Gas Design	Relevant Authority	Location of assets within clear zones e.g., pits/ substations	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	1	1

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TITLE	NAME
DRAFTER	A.Famili
DESIGNER	A.Famili
CHECKED	N.Freeman
AUTHORISED	C.Sexton
REFERENCE No. 1	
REFERENCE No. 2	

SCALE AS SHOWN AT A1

SMEC

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ALAMORA
Tarniet

Alamora Estate - Sayers Road, Tarniet - Stage 06
 Wyndham City Council
 Road and Drainage
 Safety In Design

MELWAYS REF 234 D5	PROJECT / DRAWING No. 2070E-A06-85	SHEET No. 19 of 19	REVISION 3
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