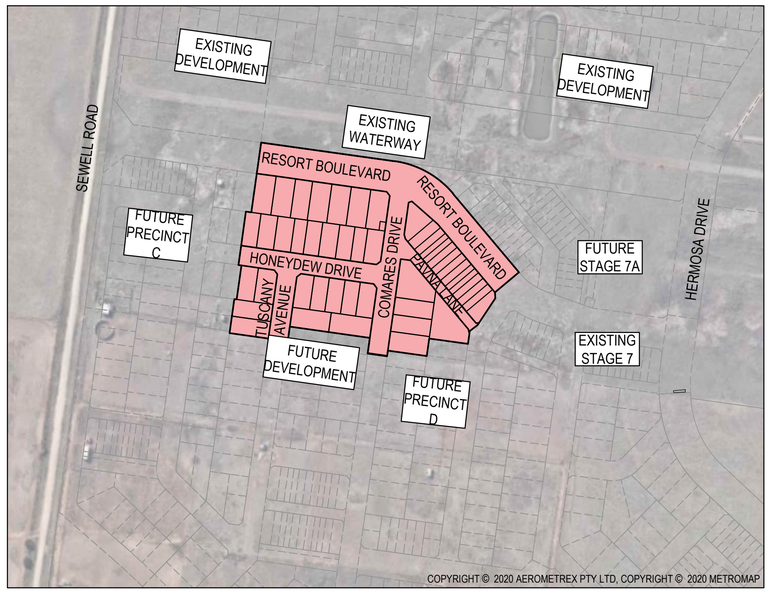
Alamora Estate Stage 8, Sayers Road, Tarneit



2

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-A08-500
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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REGISTERED PROFESSIONAL ENGINEER APPROVAL:

Drawing Index

REV	DRAWING NO.	DRAWING TITLE
	2070E-A08-101	Cover Plan & General Notes Sheet Index
	2070E-A08-111	Layout Plan
	2070E-A08-171	Signage & Linemarking Plan
	2070E-A08-181	Intersection Detail Plan - 1
	2070E-A08-182	Intersection Detail Plan - 2
	2070E-A08-201	Longitudinal Sections - 1
	2070E-A08-202	Longitudinal Sections - 2
	2070E-A08-251	Cross Sections: Comares Drive Ch 0.00 - Ch 185.72
	2070E-A08-252	Cross Sections: Honeydew Drive Ch 11.80- Ch 122.50 Resort Boulevard Ch 156.20 - Ch 181.24
	2070E-A08-253	Cross Sections: Resort Boulevard Ch 206.74 - Ch 287.57
	2070E-A08-254	Cross Sections: Resort Boulevard Ch 315.91 - Ch 393.91
	2070E-A08-255	Cross Sections: Tuscany Avenue Ch 11.80 - Ch 64.00 Pavna Lane Ch 28.35 - Ch 82.35
	2070E-A08-301	Drainage Longitudinal Sections - 1
	2070E-A08-302	Drainage Longitudinal Sections - 2
	2070E-A08-303	Drainage Longitudinal Sections - 3
	2070E-A08-351	Drain Pit Schedule
	2070E-A08-411	Pavement Details
	2070E-A08-421	General Details - 1
	2070E-A08-422	General Details - 2
	2070E-A08-500	Safety In Design

SERVICES OFFSET TABLE

ROAD NAME	GAS	WATER	RECYCLED WATER	ELECTRICITY	OPTIC FIBRE	SEWER
	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)
TUSCANY AENUE	2.10 W	3.10 W	2.60 W	2.50E	1.80E	-
HONEYDEW DRIVE	2.10 N	3.10 N	2.60 N	2.50 S	1.80 S	-
COMARES DRIVE	2.10 W	3.10 W	2.60 W	2.50 E	1.80 E	1.00 W
2 RESORT BOULEVARD	2.10 S	3.10 S	2.60 S	2.50 N	1.80 N	-
PAVNA LANE	-	-	-	-	-	1.00 N

ROAD LAYOUT TABLE

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
TUSCANY AENUE	16.00	6.40	7.30	7.60	B2	B2	4.35	4.35
HONEYDEW DRIVE	16.00	6.40	7.30	7.60	B2	B2	4.35	4.35
COMARES DRIVE	16.00	6.40	7.30	7.60	B2	B2	4.35	4.35
2 RESORT BOULEVARD	25.50	6.40	7.30	7.60	B2	B2	4.20	4.20
PAVNA LANE	8.00	-	-	-	-	-	-	-

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 2024/04/08

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.
2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
3. THE CONTRACTOR SHALL:
   - 3.1. 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.
   - 3.3. ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
4. THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVENT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
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 (VICROADS SPECIFICATION SEE SECTION 710&722).
11. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
12. THE CONTRACTOR WHEN ENGAGED IN BLASTING OPERATION, SHALL NOT BLAST WITHIN 4.5m OF AN EXISTING LINE OF WATER, GAS OR SEWER PIPES OR WITHIN 15m OF ANY COMPLETED PART OF THE WORKS WITHOUT THE CONSENT OF THE ENGINEER.
13. ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES SHALL BE SURFACED WITH A 100mm MINIMUM TO 200mm MAXIMUM LAYER OF TOPSOIL AS SPECIFIED. ALL FILLING ON ALLOTMENTS TO BE COMPACTED TO 95% STANDARD COMPACTION IN 150mm LAYERS AND AS PER THE SPECIFICATION. WHERE THERE IS FILL IN EXCESS OF 300mm IN DEPTH, THE CONTRACTOR IS TO CARRY OUT SOIL TESTS TO THE REQUIREMENTS OF APPENDIX B AS SPECIFIED IN THE AUSTRALIAN STANDARD AS 3798 TO SHOW THAT LEVEL 1 COMPACTION STANDARDS HAVE BEEN ACHIEVED. TEST RESULTS AND LOCATION OF TESTS FOR EACH ALLOTMENT SHALL BE APPROVED BY THE CONTRACTOR AND FORWARDED TO COUNCIL.
14. FILL MATERIAL USED UNDER PAVEMENTS AND FOOTPATHS MUST BE AN APPROVED MATERIAL TO THE STANDARD OF WYNDHAM CITY COUNCIL. ALL SUCH MATERIAL IS TO BE COMPACTED AS PER THE REQUIREMENTS OF THE SPECIFICATION APPROVED WITH THESE DRAWINGS PRIOR TO FORMWORK BEING PLACED. COMPACTION TESTS TO BE COMPLETED AND PROVIDED TO SUPERINTENDENT.
15. FILL & CUT BATTERS ARE NOT TO EXCEED 1 in 6 SLOPE, UNLESS SHOWN OTHERWISE.
16. ALL ALLOTMENTS SHALL BE SMOOTHED, GRADED AND SHAPED TO AN EVEN SURFACE WITH A MINIMUM FALL OF 1 in 150 TO THE DRAINAGE OUTLET SHOWN
17. ALL DRAINAGE PIPES ARE CLASS 2 RCP PIPES, RUBBER RING JOINTED UNLESS OTHERWISE SPECIFIED.
18. DRAINAGE PITS SHALL BE CAST MONOLITHICALLY. CEMENT RENDER SHALL ONLY BE USED TO REPAIR DEFECTS.
19. BACKFILLING OF TRENCHES WHERE DRAINAGE AND SEWERAGE ARE IN CLOSE PROXIMITY ARE TO BE BACKFILLED AS PER WYNDHAM CITY COUNCIL STANDARD DRAWING SD6-10.
20. ALL SERVICING TRENCHES UNDER ROADS, FOOTPATHS, DRIVEWAYS, PARKING BAYS ETC. ARE TO BE BACKFILLED WITH CLASS 2 F.C.R.
21. ALL HOUSE DRAIN CONNECTIONS TO BE INSTALLED AT 6m FROM THE LOW SIDE BOUNDARY U.NO.
22. INVERT OF PROPERTY INLETS TO BE 500mm MINIMUM BELOW FINISHED SURFACE UNLESS NOTED OTHERWISE.
23. VEHICLE CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DRAWINGS EDCM 501 TO 503. DRIVEWAYS TO BE LOCATED MIN 0.75m FROM BUILDING LINE UNLESS SPECIFIED OTHERWISE AND CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. DOUBLE DRIVEWAY WIDTH TO BE 7.0m AT FRONT OF PATH/BUILDING LINE.
24. ADDITIONAL AND OVER-EXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATION.
25. FOOTPATH CROSSFALL TO BE 1:50
26. ALL FOOTPATHS AND SHARED PEDESTRIAN/BICYCLE PATHS ARE TO BE CONSTRUCTED AS PER CITY OF WYNDHAM SPECIFICATIONS AND MPA STANDARD DRAWINGS EDCM 401 TO 403.
27. ALL EXOTIC (NON NATIVE) TREES AND SHRUBS, INCLUDING DEAD TREES, NOT SHOWN ON THE DRAWINGS BUT LOCATED WITHIN THE WORKS ARE TO BE REMOVED AND DISPOSED OFFSITE.
28. INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKER (BRRPM) ON ROAD CENTRELINE AND "GROUND BALL" MARKER POST TO INDICATE LOCATION OF FIREPLUG.
29. THE CONTRACTOR IS TO ENSURE THAT THEIR CONSTRUCTION PROCEDURES AND STANDARDS CONTROL THE VOLUME AND LOCATION FOR COLLECTION OF SEDIMENT RUNOFF ACCORDING TO CURRENT EPA - ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES.
30. UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED UP, GRADED AND ALL RUBBISH REMOVED. THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
31. EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL ENGINEER.
32. THE LOWER SUB-BASE MATERIAL SHALL WILL BE N.D.C.R. FOR PAVEMENT MAKE UPS AS PER THE STANDARD DRAWINGS OF WYNDHAM CITY COUNCIL.
33. TOTAL LENGTH OF ROADS CONSTRUCTED IS 723m
    TOTAL LENGTH OF DRAINS CONSTRUCTED IS 957m
34. ALL TGSI TO BE INSTALLED IN ACCORDANCE WITH AS1428.

(GAS) - STANDARD NOTES

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

REINFORCED CONCRETE PIPE

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

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
0	11.09.23	ISSUED FOR CONSTRUCTION	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
1	09.11.23	LOT BOUNDARIES UPDATED	C.PIERRE	K.KANG	C.SEXTON	A.RADOCCIA
2	28.03.24	ROAD NAME UPDATED	S.KHATIBI	K.KANG	C.SEXTON	A.RADOCCIA

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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

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0 25 50 100
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Member of the Surbana Jurong Group
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Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
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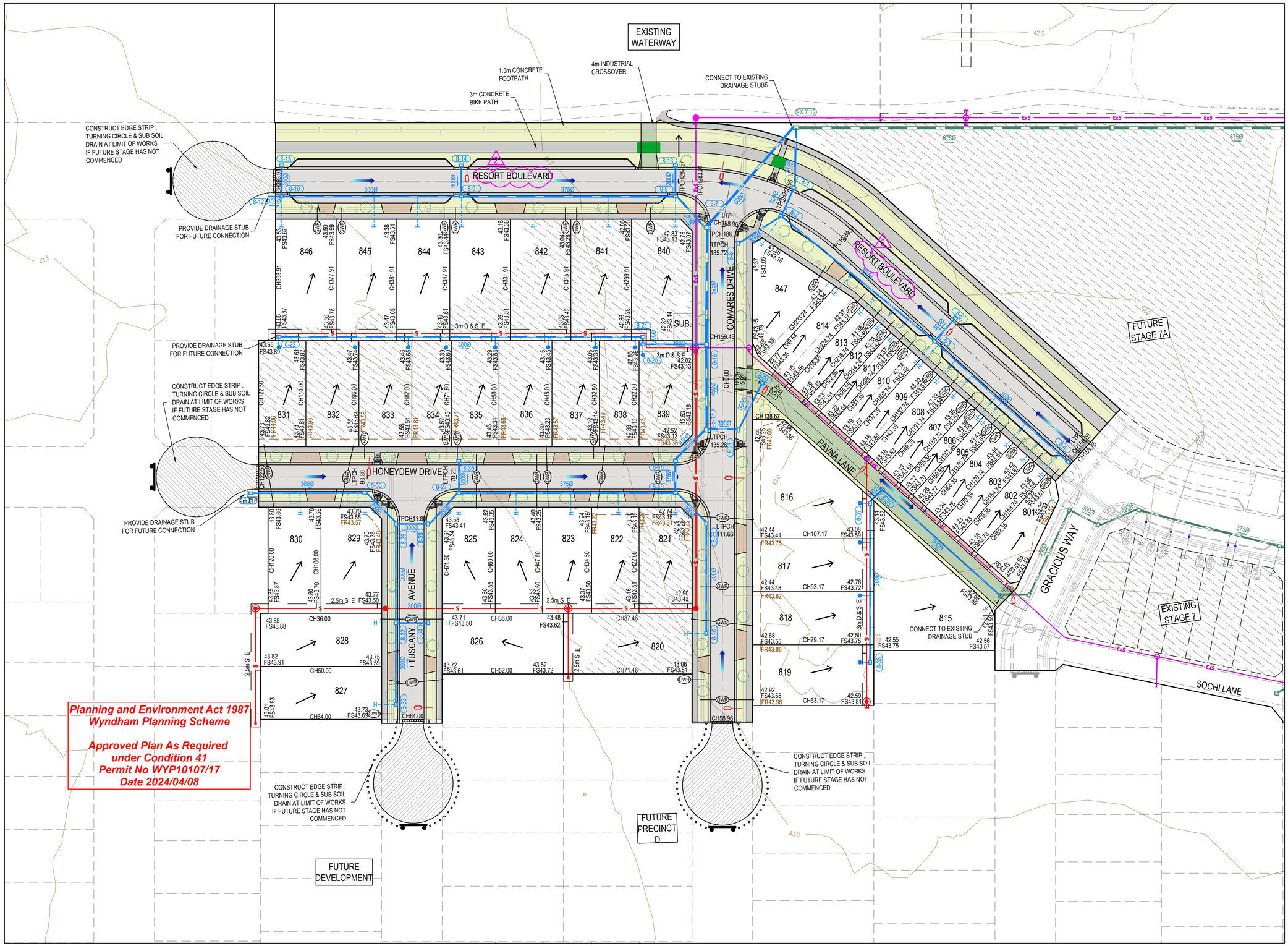
ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Cover Plan & General Notes
Sheet Index

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-101	01 of 20	2

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-101.dwg PRINTED BY: SK17795 on 28/03/2024 at 09:21:50 AM



LEGEND - LAYOUT PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
S	SEWER & MAINTENANCE STRUCTURES
H	HOUSE DRAIN
E	ELECTRICITY (U.GROUND)
O/H	ELECTRICITY (O.HEAD)
G	GAS
T	TELSTRA
O	OPTIC FIBRE
W	WATER
RW	RECYCLE WATER
Ag	AG. DRAIN
GW	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
Ex S	EXISTING SEWER & MAINTENANCE STRUCTURES
H	EXISTING HOUSE DRAIN
Ex E	EXISTING ELECTRICITY (UNDER GROUND)
O/H E	EXISTING ELECTRICITY OVERHEAD
Ex G	EXISTING GAS
Ex T	EXISTING TELSTRA
Ex O	EXISTING OPTIC FIBRE
Ex W	EXISTING WATER
Ex RW	EXISTING RECYCLED WATER
Ex.Ag	EXISTING AG. DRAIN
GWR	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
Fut D	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
FUT S	FUTURE SEWER & MAINTENANCE STRUCTURES
H	FUTURE HOUSE DRAIN
Fut E	FUTURE ELECTRICITY (UNDER GROUND)
Fut O/H E	FUTURE ELECTRICITY OVERHEAD
Fut G	FUTURE GAS
Fut T	FUTURE TELSTRA
Fut O	FUTURE OPTIC FIBRE
Fut W	FUTURE WATER
Fut RW	FUTURE RECYCLED WATER
Fut Ag	FUTURE AG. DRAIN
GWR	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
	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
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING
	PROPOSED PL POLE

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A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
B	03.05.23	DRAINAGE, NOTES & LOT LEVELS	K.KANG	K.KANG	C.SEXTON	D.POWELL
C	22.06.23	HDS, PL POLES & PIT LOCATIONS	K.KANG	K.KANG	C.SEXTON	D.POWELL
0	11.09.23	ISSUED FOR CONSTRUCTION	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
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Environmental Management - ISO 14001 Global-Mark.com.au®

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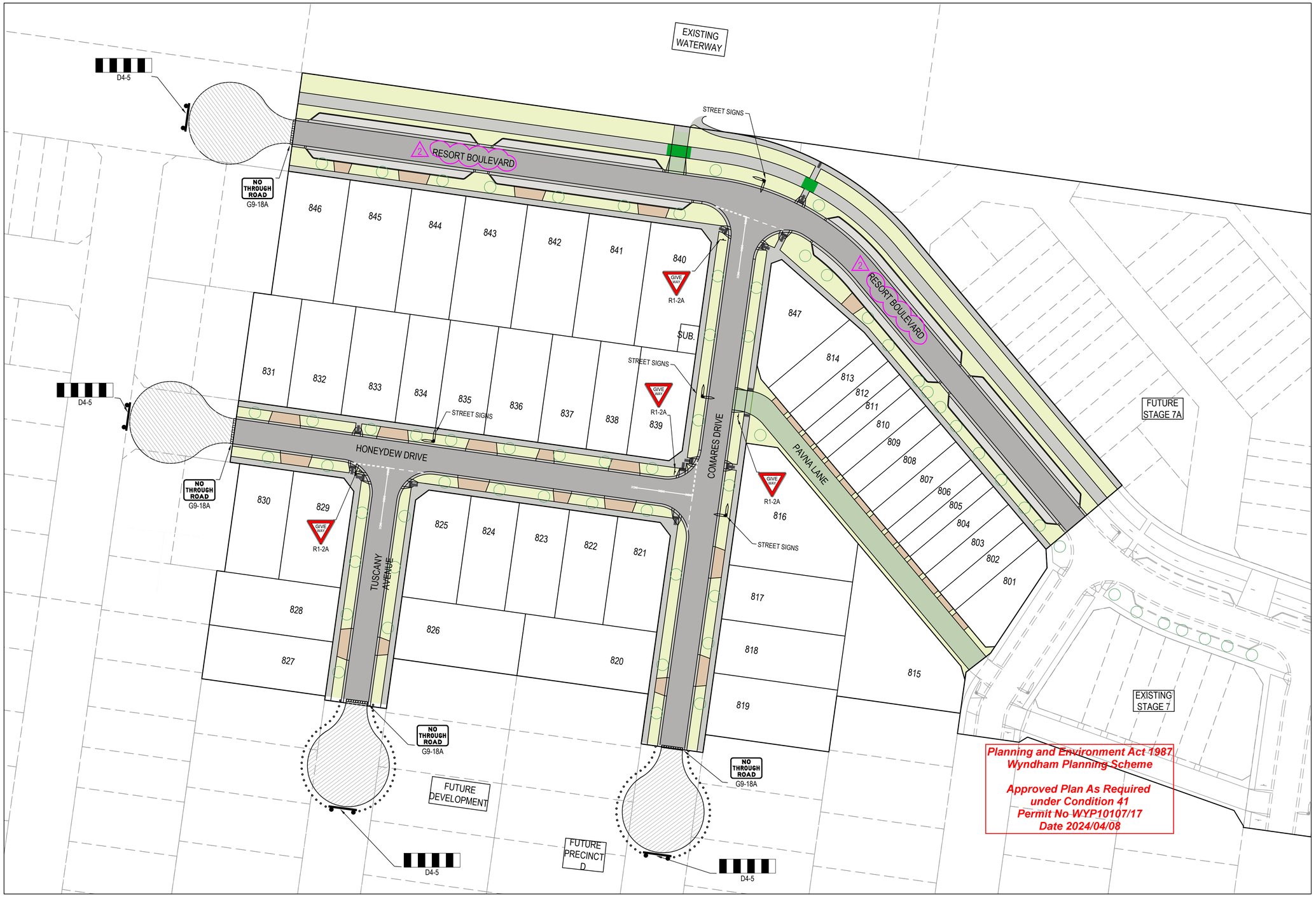
ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Layout Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-111	02 of 20	2

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-111.dwg PRINTED BY: SK17795 on 28/03/2024 at 09:22:10 AM



Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 2024/04/08

LEGEND - SIGN AND LINEMARKING
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

NO THROUGH ROAD G9-18A	NO THROUGH ROAD
D4-5	HAZARD MARKER
	STREET SIGNS
GIVE WAY R1-2A	GIVE WAY SIGN

NOTES
1. 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPM'S AT MAX 6m SPACING.
2. RRPMs TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL MANUAL VOL 2.
3. ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.

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B	22.06.23	STREET SIGNS	K.KANG	K.KANG	C.SEXTON	D.POWELL
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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

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Alamora - Stage 8, Sayers Road, Tarneit
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234 D6	2070E-A08-171	03 of 20	2

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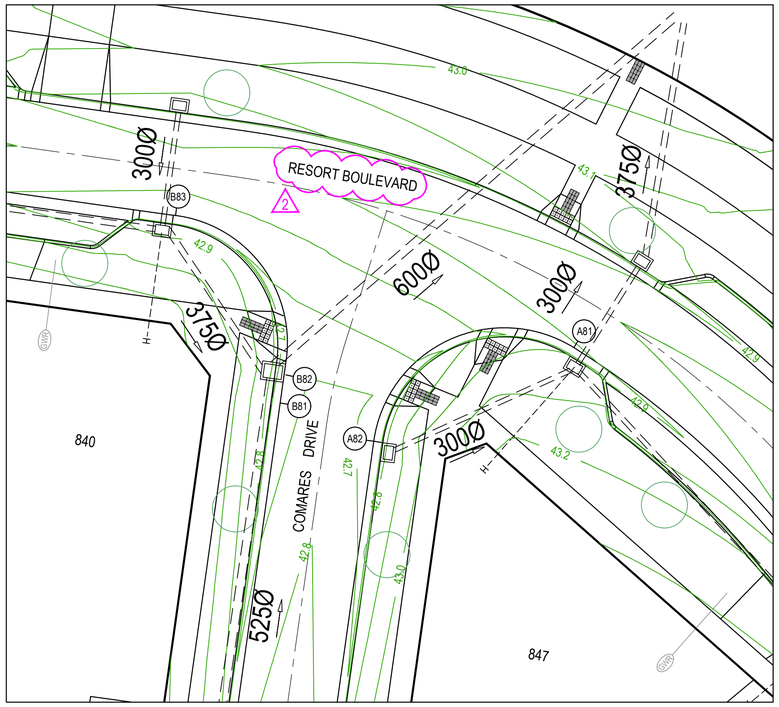

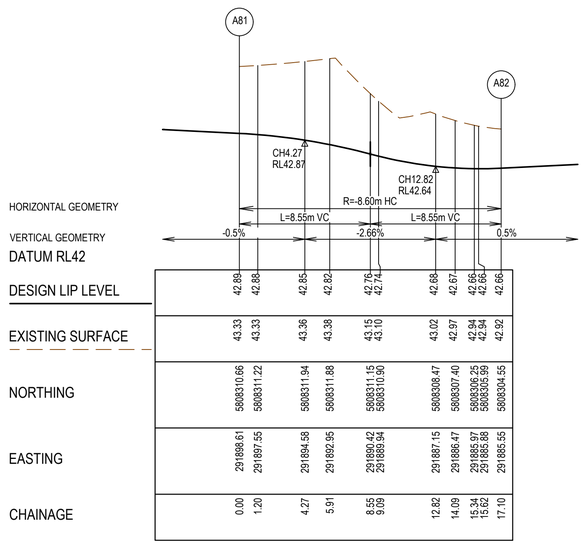

HORIZONTAL GEOMETRY
VERTICAL GEOMETRY
DATUM RL42

DESIGN LIP LEVEL	42.89	42.88	42.85	42.82	42.76	42.74	42.68	42.67	42.66	42.66	42.66						
EXISTING SURFACE	43.33	43.33	43.36	43.38	43.15	43.10	43.02	42.97	42.94	42.94	42.92						
NORTHING	5808310.66	5808311.22	5808311.94	5808311.88	5808311.15	5808310.90	5808308.47	5808307.40	5808306.25	5808305.99	5808304.55						
EASTING	291898.61	291897.55	291894.58	291892.95	291890.42	291889.94	291887.15	291886.47	291885.97	291885.88	291885.55						
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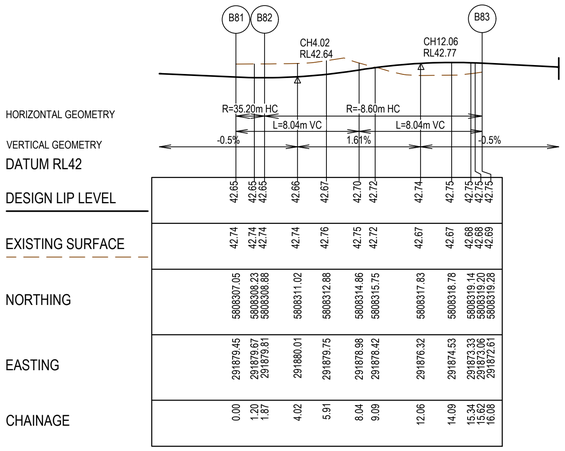


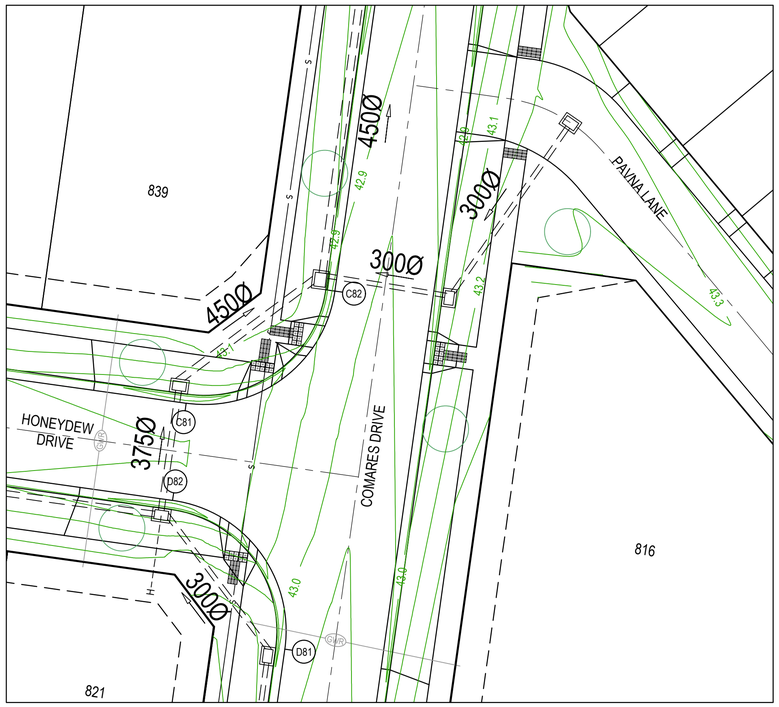
HORIZONTAL GEOMETRY
VERTICAL GEOMETRY
DATUM RL42

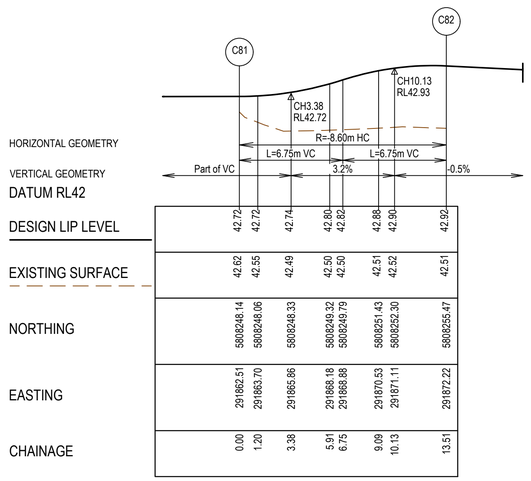
DESIGN LIP LEVEL	42.65	42.65	42.65	42.66	42.67	42.70	42.72	42.74	42.75	42.75	42.75						
EXISTING SURFACE	42.74	42.74	42.74	42.74	42.76	42.75	42.72	42.67	42.67	42.68	42.69						
NORTHING	5808307.05	5808308.23	5808308.88	5808311.02	5808312.88	5808314.86	5808315.75	5808317.83	5808318.78	5808319.14	5808319.20	5808319.93					
EASTING	291879.45	291876.67	291879.81	291880.01	291879.75	291878.98	291878.42	291876.32	291874.53	291873.33	291873.06	291872.61					
CHAINAGE	0.00	1.20	1.87	4.02	5.91	8.04	9.09	12.06	14.09	15.34	15.62	16.08					

LIP LINE B8

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
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH

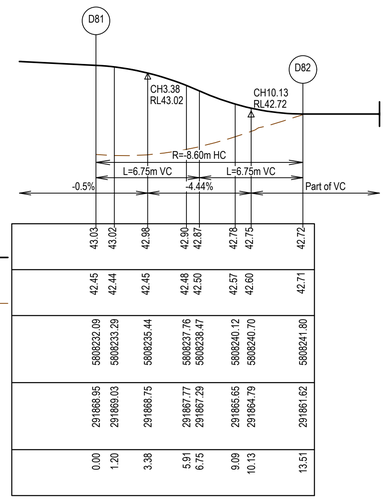




HORIZONTAL GEOMETRY
VERTICAL GEOMETRY
DATUM RL42

DESIGN LIP LEVEL	42.72	42.72	42.74	42.80	42.82	42.88	42.90	42.92									
EXISTING SURFACE	42.62	42.55	42.49	42.50	42.50	42.51	42.52	42.51									
NORTHING	5808248.14	5808248.06	5808248.33	5808249.32	5808249.79	5808251.43	5808252.30	5808255.47									
EASTING	291862.51	291863.70	291865.86	291868.18	291868.88	291870.53	291871.11	291872.22									
CHAINAGE	0.00	1.20	3.38	5.91	6.75	9.09	10.13	13.51									

LIP LINE C8



HORIZONTAL GEOMETRY
VERTICAL GEOMETRY
DATUM RL42

DESIGN LIP LEVEL	43.03	43.02	42.98	42.90	42.87	42.78	42.75	42.72									
EXISTING SURFACE	42.45	42.44	42.45	42.48	42.50	42.57	42.60	42.71									
NORTHING	5808232.09	5808233.29	5808235.44	5808237.76	5808238.47	5808240.12	5808240.70	5808241.80									
EASTING	291868.95	291869.03	291868.75	291867.77	291867.29	291865.65	291864.79	291861.62									
CHAINAGE	0.00	1.20	3.38	5.91	6.75	9.09	10.13	13.51									

LIP LINE D8

NOTES
1. ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0.75m FROM PITS.
2. ALL PRAM CROSSINGS TO BE MINIMUM OF 2.0m FROM VEHICLE CROSSINGS.
3. VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.
4. INDUSTRIAL DRIVEWAYS TO COUNCIL RESERVES TO BE PROVIDED AS PART OF LANDSCAPE WORKS.
5. SHARE PATH THROUGH CREEK CORRIDOR TO FORM PART OF LANDSCAPE WORKS.

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 2024/04/08

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
0	11.09.23	ISSUED FOR CONSTRUCTION	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
1	09.11.23	LOT BOUNDARIES UPDATED	C.PIERRE	K.KANG	C.SEXTON	A.RADOCCIA
2	28.03.24	ROAD NAME UPDATED	S.KHATIBI	K.KANG	C.SEXTON	A.RADOCCIA

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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

ISSUED FOR CONSTRUCTION

Scale H1:200, V1:20
Scale 1:200
SCALE AS SHOWN AT A1

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ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Intersection Detail Plan - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-181	04 of 20	2

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-181.dwg PRINTED BY: SK17795 on 28/03/2024 at 09:22:46 AM

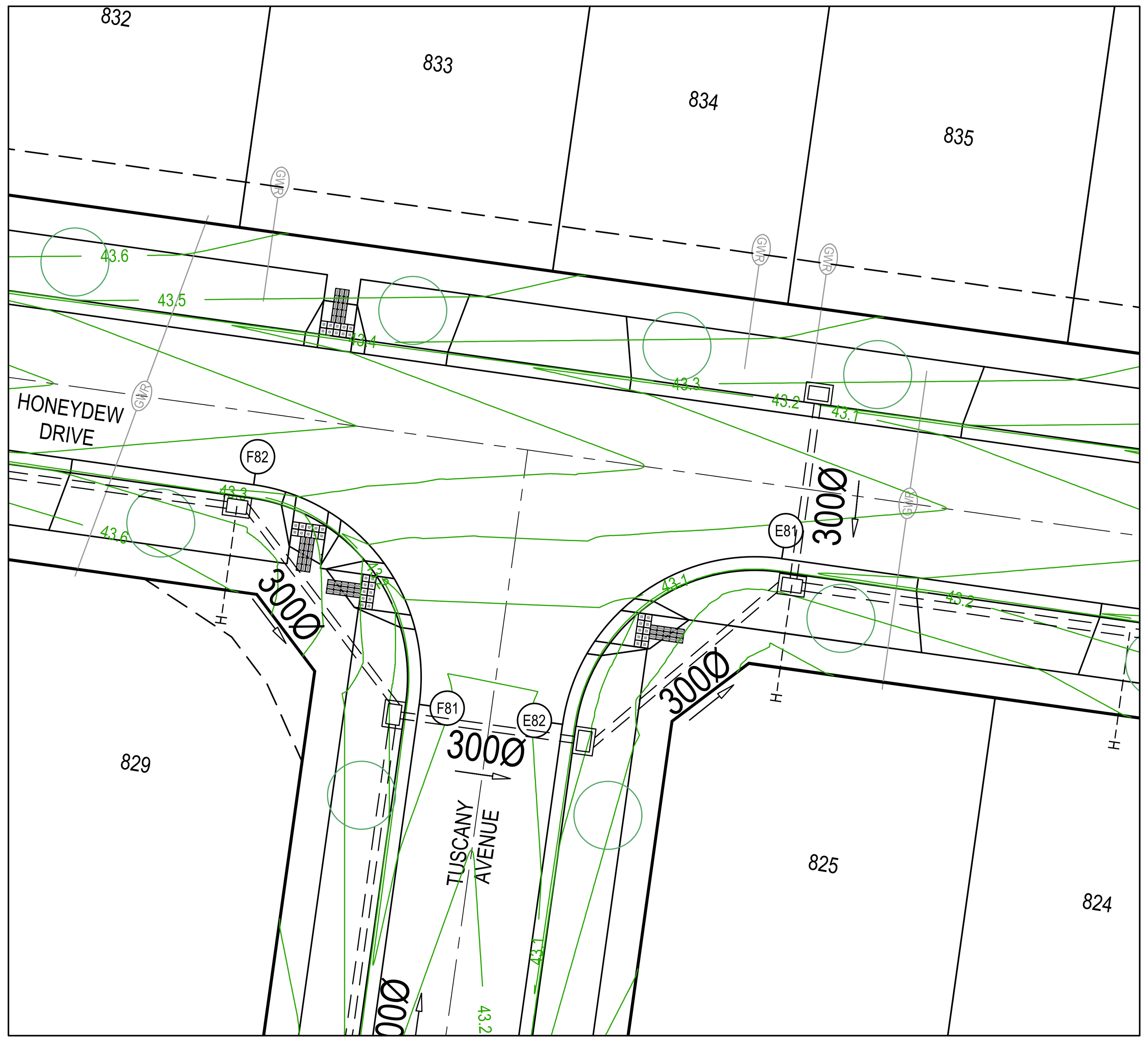
Planning and Environment Act 1987
Wyndham Planning Scheme

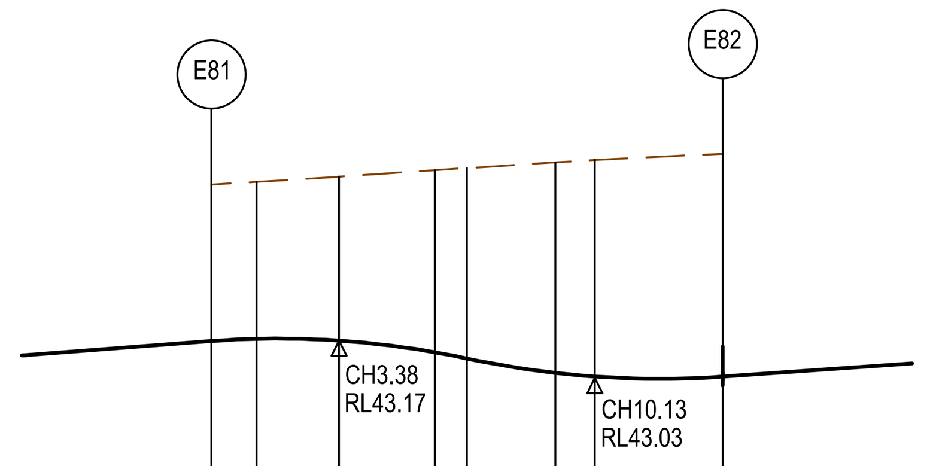
Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 06/09/2023

LEGEND - INTERSECTION DETAIL PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

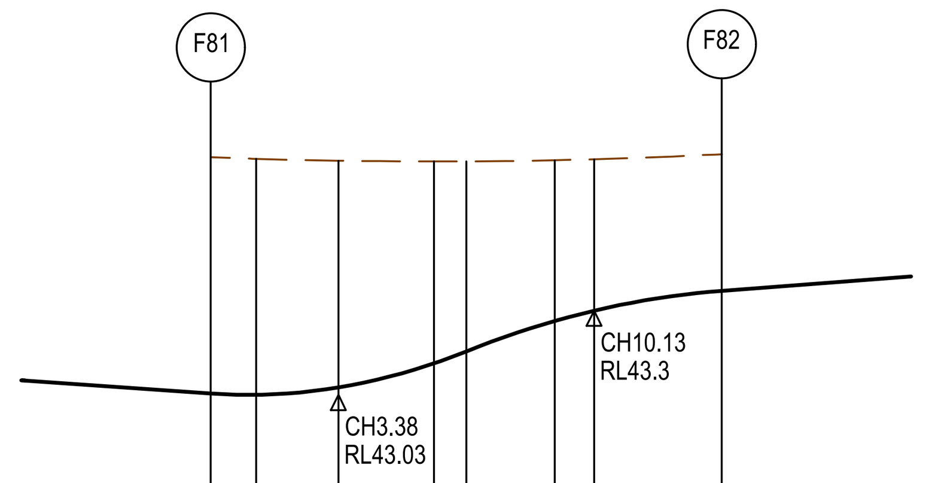
- STORMWATER DRAIN, PIT & PROPERTY INLET
- MAIN DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS
- EXISTING STORMWATER DRAIN
- EXISTING MAIN DRAIN
- EXISTING SEWER & MAINTENANCE STRUCTURES
- EXISTING SERVICE CONDUITS
- EXISTING TACTILE PAVERS
- FUTURE STORMWATER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





HORIZONTAL GEOMETRY	R=-8.60m HC							
VERTICAL GEOMETRY	0.75%	L=6.75m VC		-2.11%		L=6.75m VC		0.7%
DATUM RL42								
DESIGN LIP LEVEL	43.15	43.15	43.15	43.12	43.10	43.06	43.05	43.05
EXISTING SURFACE	43.56	43.57	43.58	43.60	43.61	43.62	43.63	43.64
NORTHING	5808249.90	5808249.98	5808249.71	5808248.72	5808248.25	5808246.60	5808245.74	5808242.57
EASTING	291803.79	291802.59	291800.44	291798.12	291797.41	291795.76	291795.18	291794.08
CHAINAGE	0.00	1.20	3.38	5.91	6.75	9.09	10.13	13.51

LIP LINE E8



HORIZONTAL GEOMETRY	R=-8.60m HC							
VERTICAL GEOMETRY	-0.7%	L=6.75m VC		3.99%		L=6.75m VC		0.75%
DATUM RL42								
DESIGN LIP LEVEL	43.05	43.05	43.07	43.13	43.17	43.25	43.27	43.33
EXISTING SURFACE	43.68	43.67	43.67	43.67	43.67	43.67	43.67	43.69
NORTHING	5808243.46	5808244.66	5808246.81	5808249.13	5808249.83	5808251.48	5808252.06	5808253.17
EASTING	291787.74	291787.82	291787.55	291786.56	291786.09	291784.44	291783.58	291780.41
CHAINAGE	0.00	1.20	3.38	5.91	6.75	9.09	10.13	13.51

LIP LINE F8

NOTES

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

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL

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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

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Scale 1:200
SCALE AS SHOWN AT A1

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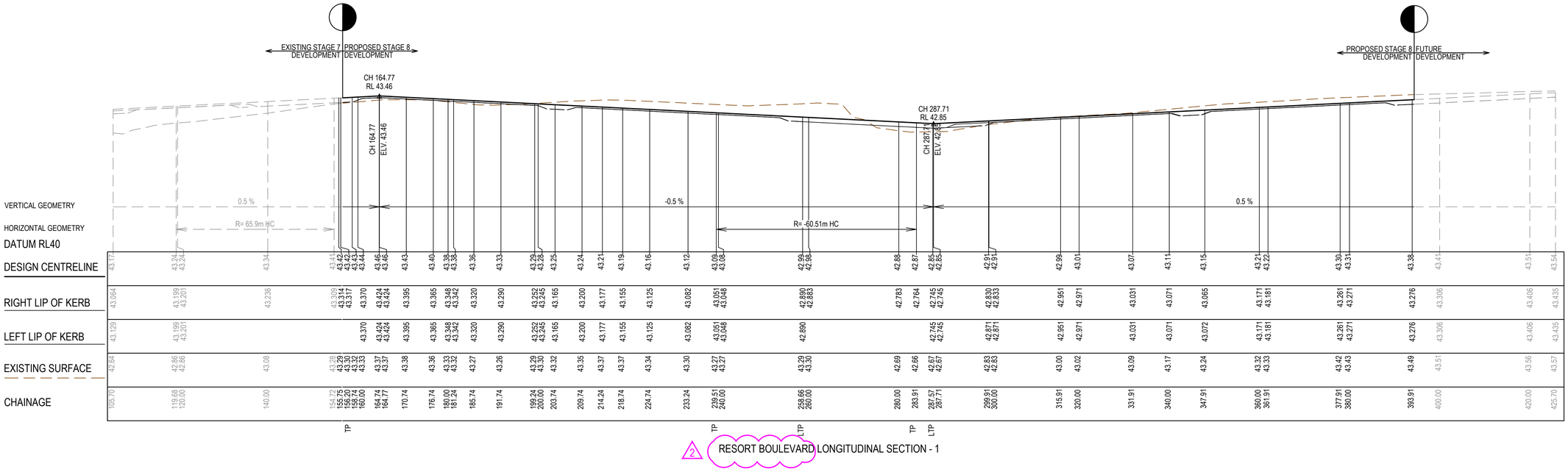
ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Intersection Detail Plan - 2

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-182	05 of 20	A

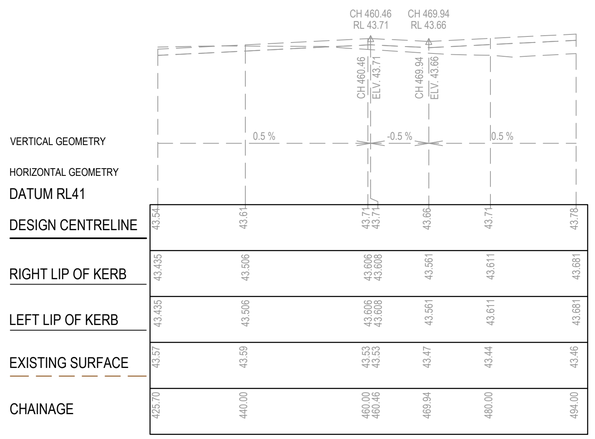
DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-182.dwg PRINTED BY: KK16460 on 14/07/2023 at 03:17:54 PM



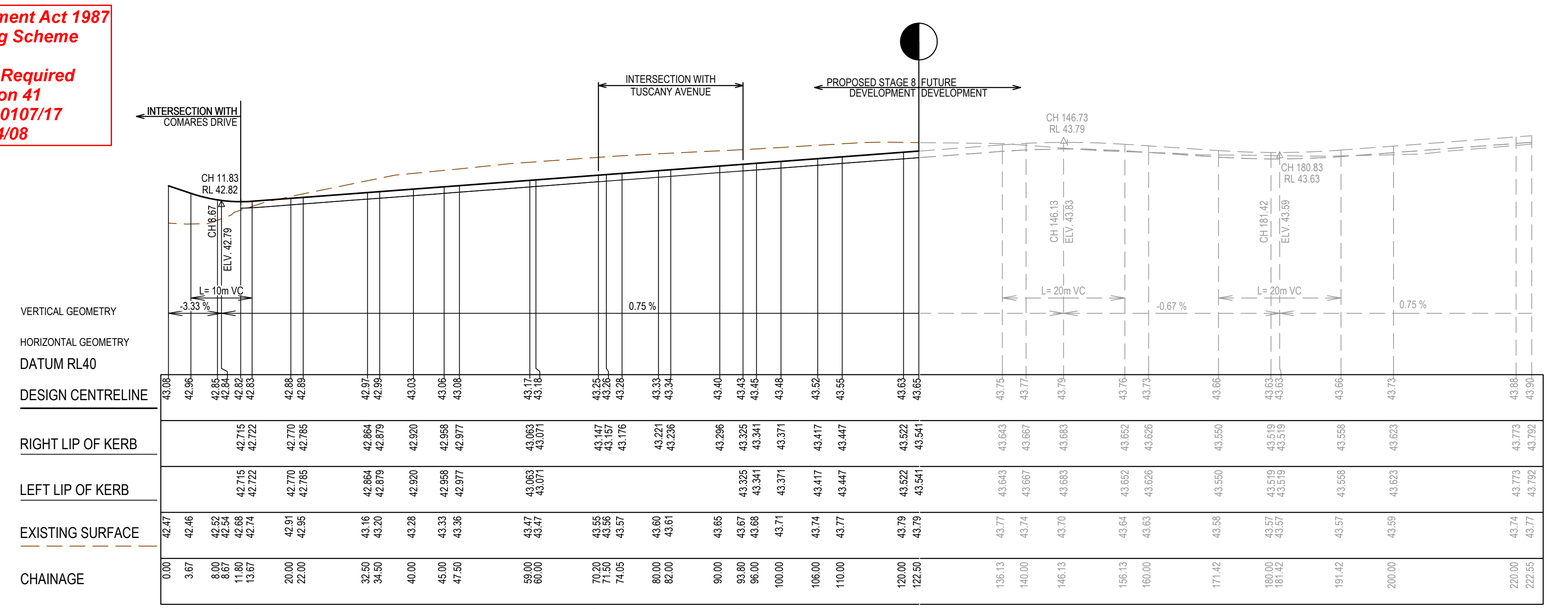
2 RESORT BOULEVARD LONGITUDINAL SECTION - 1

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 2024/04/08



2 RESORT BOULEVARD LONGITUDINAL SECTION - 2



HONEYDEW DRIVE LONGITUDINAL SECTION

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
0	11.09.23	ISSUED FOR CONSTRUCTION	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
1	09.11.23	LONGITUDINAL SECTIONS UPDATED	C.PIERRE	K.KANG	C.SEXTON	A.RADOCCIA
2	28.03.24	ROAD NAME UPDATED	S.KHATIBI	K.KANG	C.SEXTON	A.RADOCCIA

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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

0 5 10 20
0 0.5 1 2
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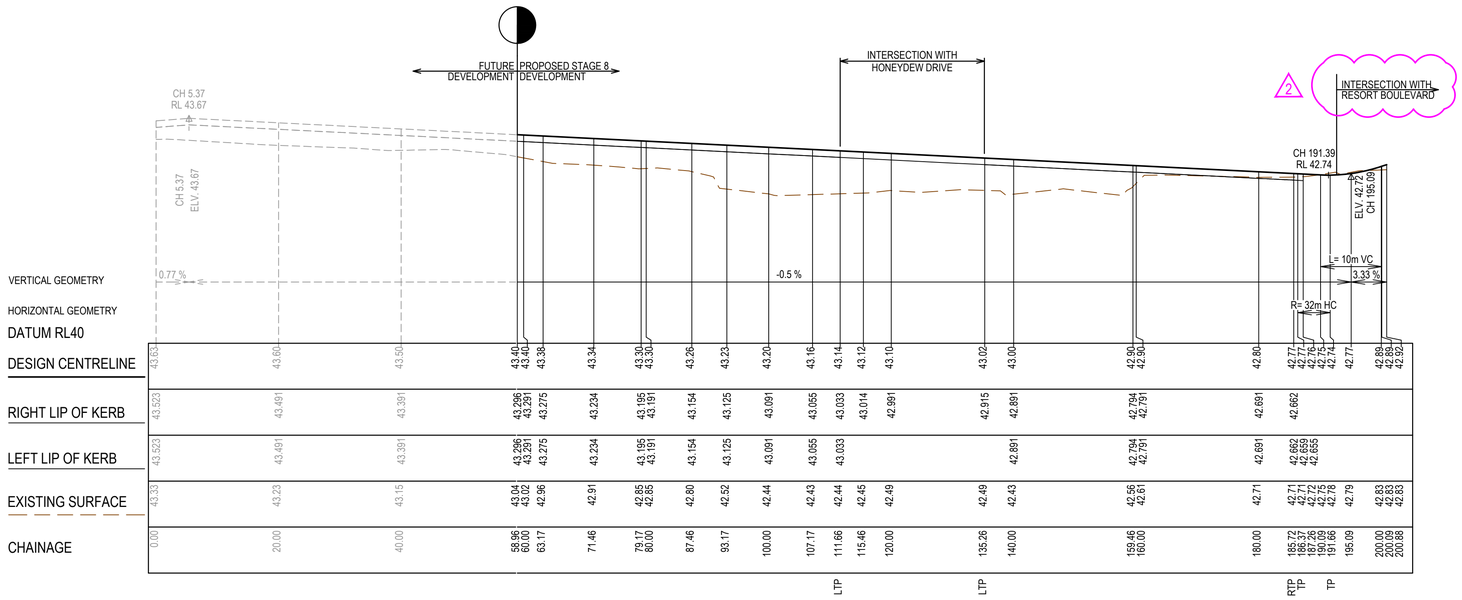
ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Longitudinal Sections - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-201	06 of 20	2

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-201.dwg PRINTED BY: SK17795 on 28/03/2024 at 09:23:16 AM



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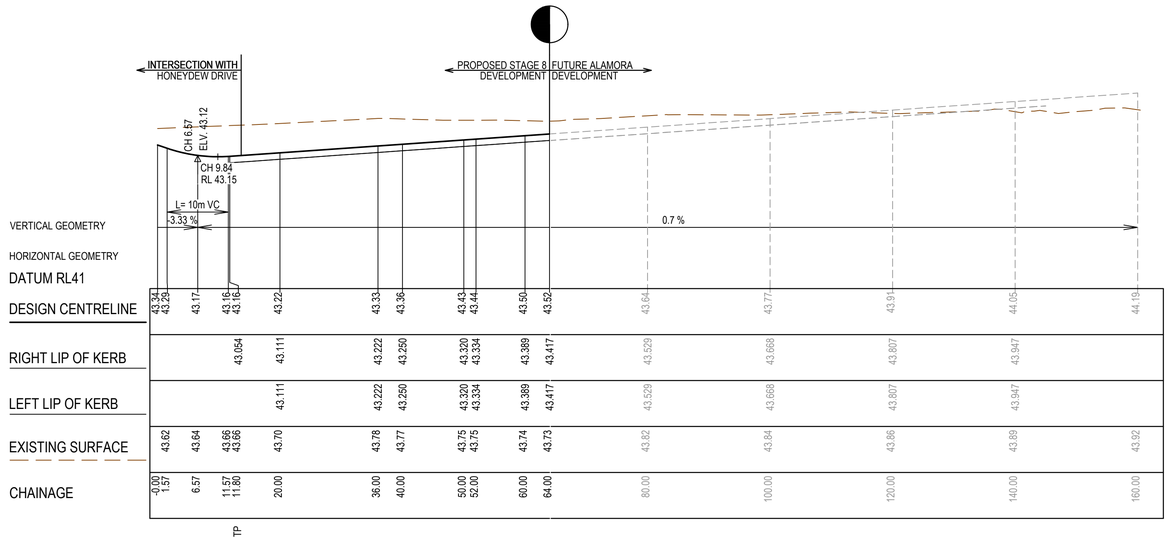
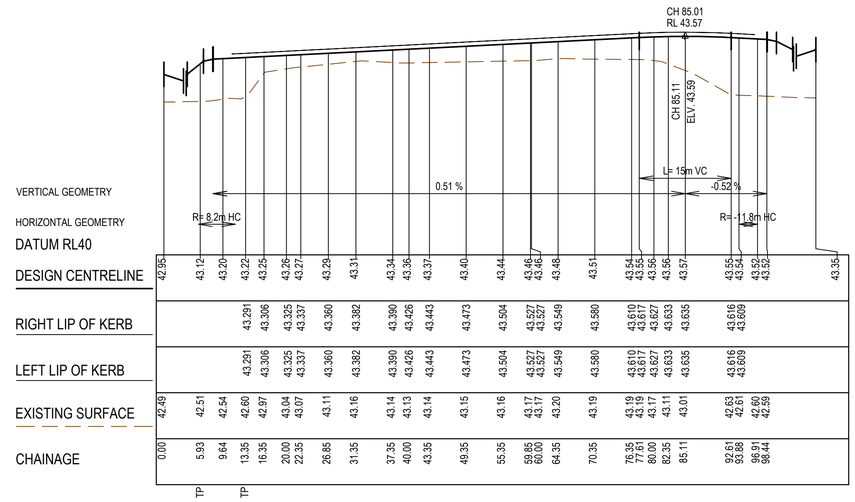


TUSCANY AVENUE LONGITUDINAL SECTION



PAVNA DRIVE LONGITUDINAL SECTION

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 2024/04/08

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A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
0	11.09.23	ISSUED FOR CONSTRUCTION	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
1	09.11.23	LONGITUDINAL SECTIONS UPDATED	C.PIERRE	K.KANG	C.SEXTON	A.RADOCCIA
2	28.03.24	ROAD NAME UPDATED	S.KHATIBI	K.KANG	C.SEXTON	A.RADOCCIA

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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

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0 5 10 20
0 0.5 1 2
Scale H1:500, V1:50

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ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
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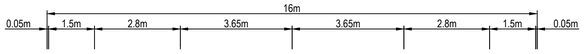
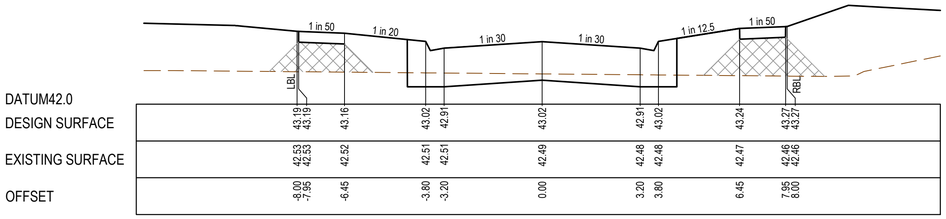
Road and Drainage
Longitudinal Sections - 2

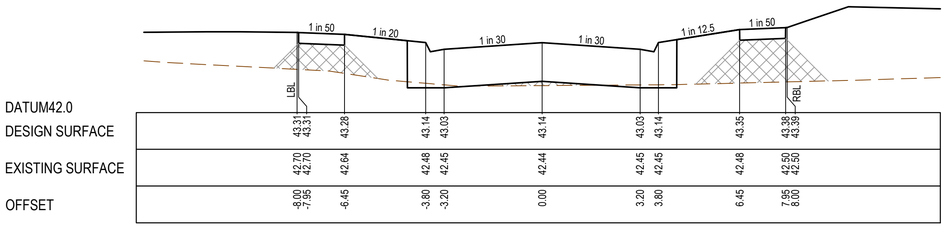
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-202	07 of 20	2

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

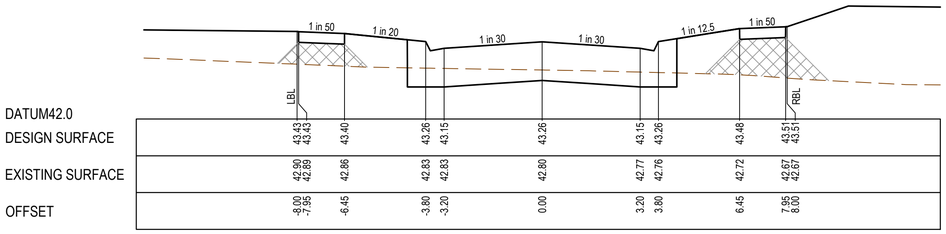




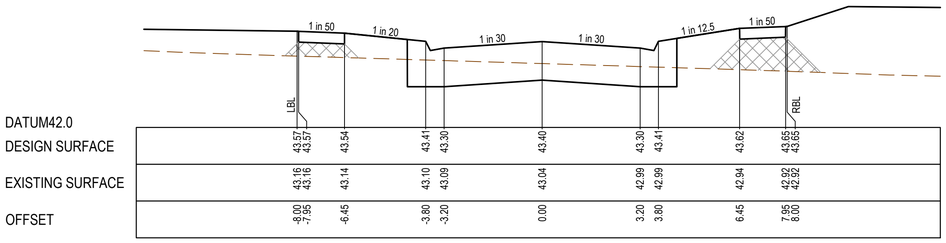
LTPCH 135.26



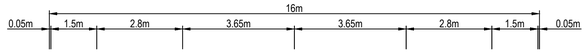
LTPCH 111.66

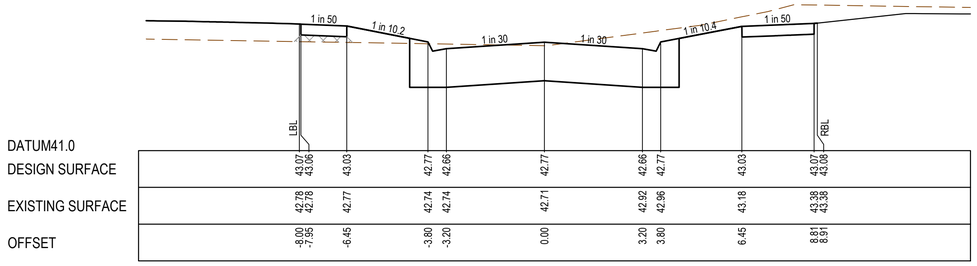


CH 87.46



CH 58.96





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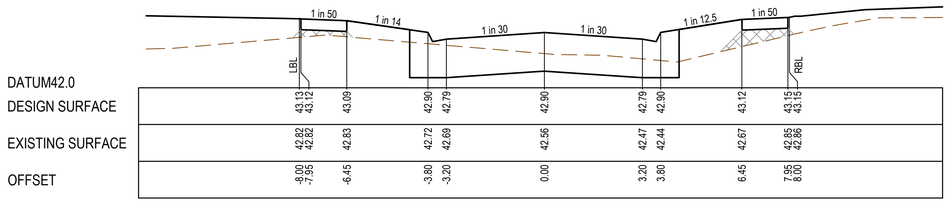

CH 159.46

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 06/09/2023

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL

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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
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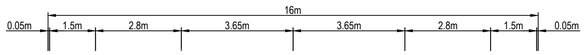
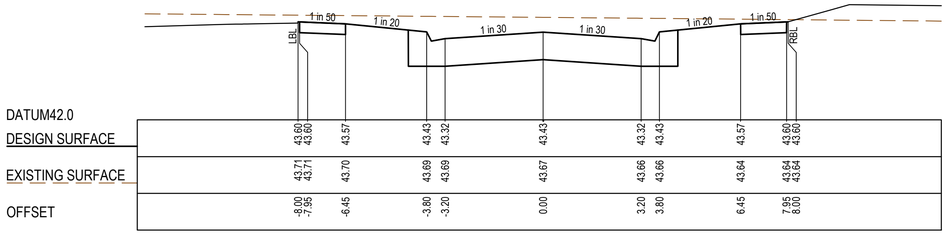
ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Cross Sections: Comares Drive
Ch 0.00 - Ch 185.72

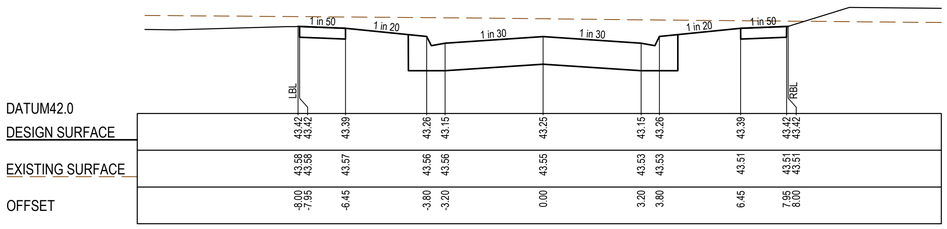
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-251	08 of 20	A

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-251.dwg PRINTED BY: KK16460 on 14/07/2023 at 03:18:36 PM

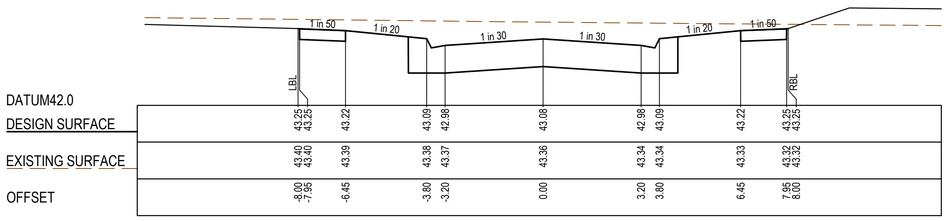




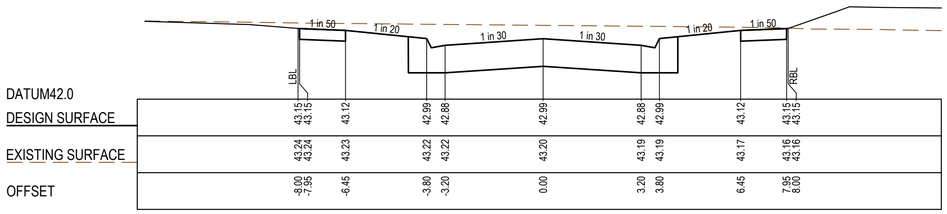
LTPCH 93.80



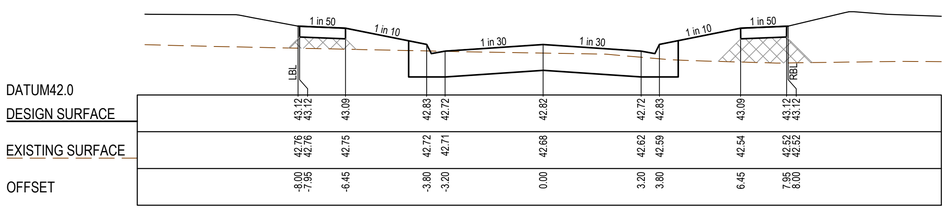
LTPCH 70.20



CH 47.50

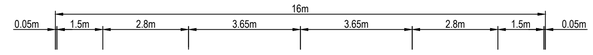


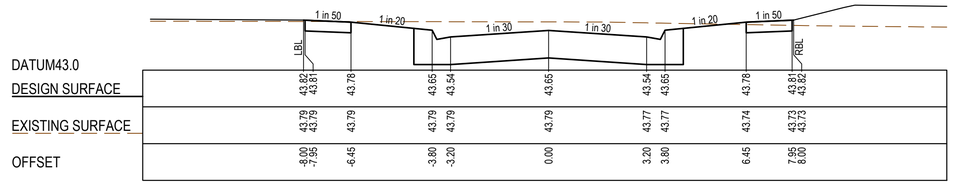
CH 34.50



TPCH 11.80

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

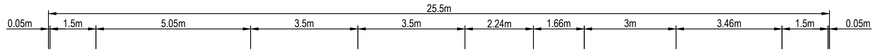


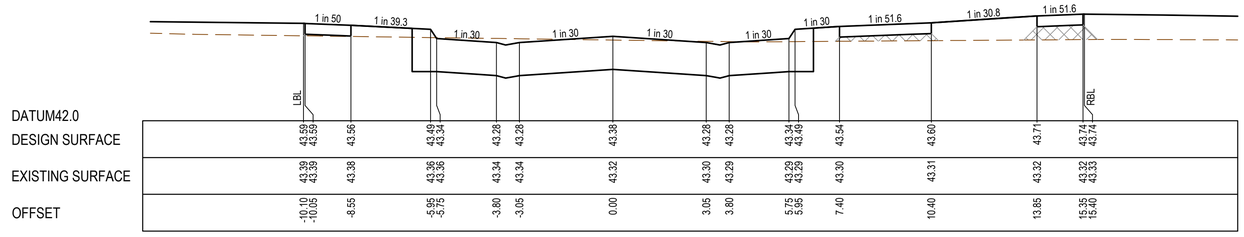


CH 122.50

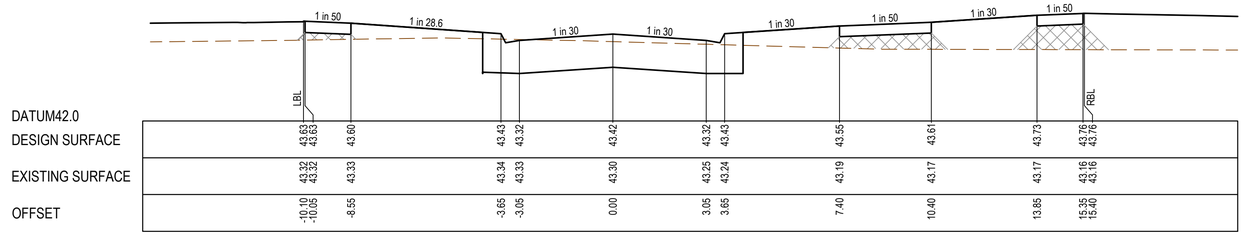
Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 2024/04/08





CH 181.24



TPCH 156.20

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
0	11.09.23	ISSUED FOR CONSTRUCTION	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
1	09.11.23	LOT BOUNDARIES UPDATED	C.PIERRE	K.KANG	C.SEXTON	A.RADOCCIA
2	28.03.24	ROAD NAME UPDATED	S.KHATIBI	K.KANG	C.SEXTON	A.RADOCCIA

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PLAN OF SUB. NO. PS841640V/S16

PERMIT REF. NO. WYP10107_17.02

ISSUED FOR CONSTRUCTION

0 1 2 4
0 0.5 1 2
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SCALE AS SHOWN AT A1

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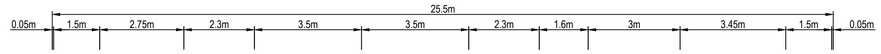
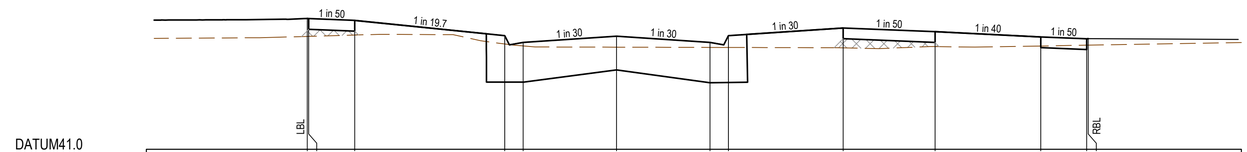
ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Cross Sections: Honeydew Drive Ch 11.80- Ch 122.50
2 Resort Boulevard Ch 156.20 - Ch 181.24

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-252	09 of 20	2

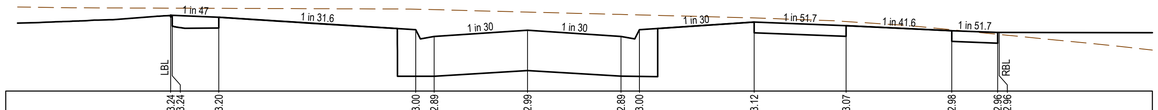
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE





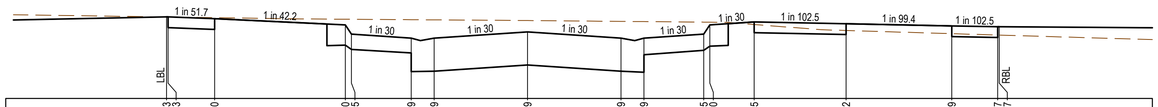
DATUM41.0												
DESIGN SURFACE	43.14	43.13	43.10	42.86	42.75	42.85	42.75	42.86	42.86	42.92	42.83	42.80	42.81
EXISTING SURFACE	42.84	42.84	42.87	42.72	42.69	42.67	42.66	42.66	42.66	42.68	42.69	42.70	42.70
OFFSET	-10.10	-10.05	-8.55	-3.65	-3.05	0.00	3.05	3.65	7.40	10.40	13.85	15.35	15.40

LTPCH 287.57



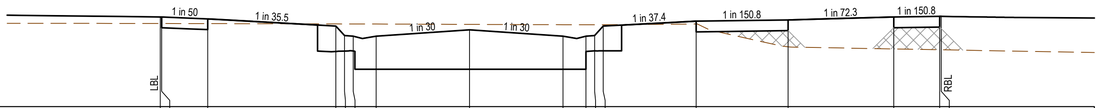
DATUM42.0												
DESIGN SURFACE	43.24	43.24	43.20	43.00	42.89	42.99	42.89	43.00	43.12	43.07	42.98	42.96	42.96
EXISTING SURFACE	43.35	43.35	43.35	43.34	43.33	43.29	43.25	43.24	43.19	43.13	43.00	42.93	42.92
OFFSET	-11.65	-11.60	-10.08	-3.65	-3.05	0.00	3.05	3.65	7.40	10.40	13.85	15.35	15.40

LTPCH 258.66



DATUM42.0												
DESIGN SURFACE	43.33	43.33	43.30	43.20	43.08	42.99	42.99	43.09	42.99	42.99	43.05	43.20	43.25	43.22	43.19	43.17	43.17
EXISTING SURFACE	43.33	43.33	43.32	43.29	43.29	43.29	43.28	43.27	43.26	43.26	43.25	43.25	43.21	43.11	43.06	43.04	43.04
OFFSET	-11.79	-11.74	-10.22	-5.95	-5.75	-3.80	-3.05	0.00	3.05	3.80	5.75	5.95	7.40	10.40	13.85	15.35	15.40

TPCH 239.51



DATUM42.0												
DESIGN SURFACE	43.46	43.46	43.43	43.31	43.16	43.15	43.15	43.25	43.15	43.15	43.16	43.31	43.39	43.41	43.46	43.47	43.47
EXISTING SURFACE	43.36	43.36	43.35	43.35	43.35	43.35	43.35	43.34	43.34	43.33	43.33	43.34	43.35	42.98	42.94	42.93	42.93
OFFSET	-10.10	-10.05	-8.55	-4.36	-4.08	-3.80	-3.05	0.00	3.05	3.80	4.08	4.36	7.40	10.40	13.85	15.35	15.40

CH 206.74

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 2024/04/08

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
0	11.09.23	ISSUED FOR CONSTRUCTION	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
1	09.11.23	LOT BOUNDARIES UPDATED	C.PIERRE	K.KANG	C.SEXTON	A.RADOCCIA
2	28.03.24	ROAD NAME UPDATED	S.KHATIBI	K.KANG	C.SEXTON	A.RADOCCIA

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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

ISSUED FOR CONSTRUCTION

0 1 2 4
0 0.5 1 2
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SCALE AS SHOWN AT A1

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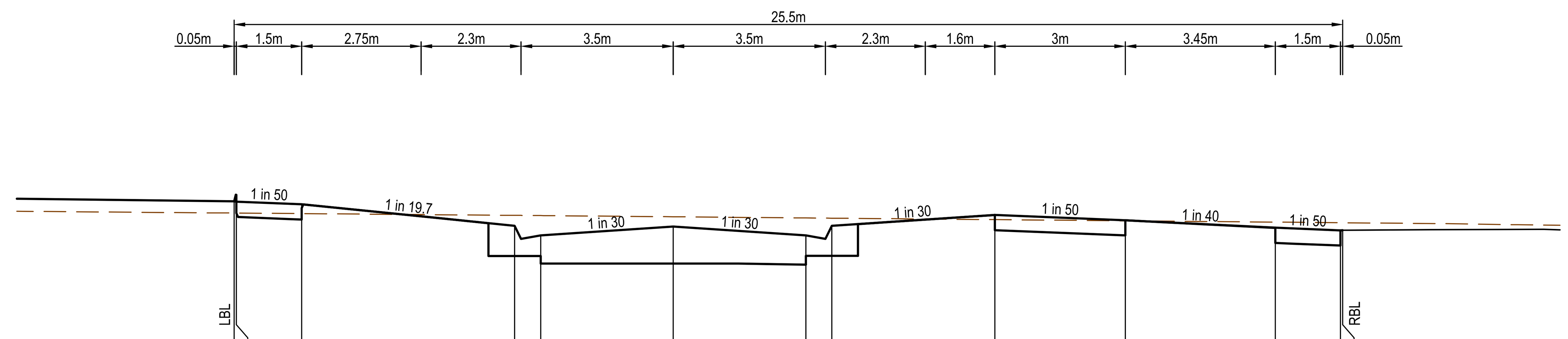
ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Cross Sections Resort Boulevard 2
Ch 206.74 - Ch 287.57

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-253	10 of 20	2

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-253.dwg PRINTED BY: SK17795 on 28/03/2024 at 09:55:40 AM

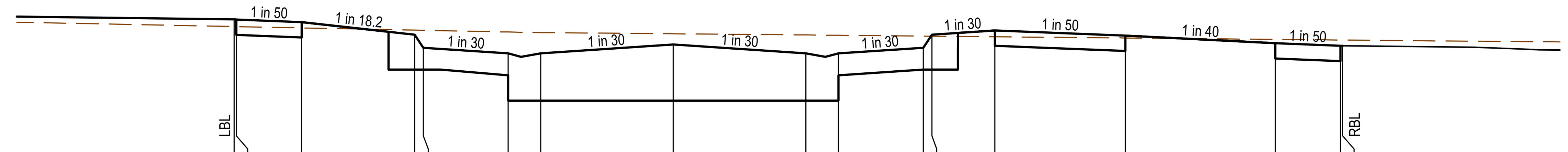
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



DATUM42.0

DESIGN SURFACE	43.67	43.66	43.63	43.39	43.28	43.38	43.28	43.39	43.51	43.45	43.36	43.33	43.34
EXISTING SURFACE	43.53	43.53	43.53	43.51	43.50	43.49	43.48	43.47	43.46	43.44	43.43	43.42	43.42
OFFSET	-10.10	-10.05	-8.55	-3.65	-3.05	0.00	3.05	3.65	7.40	10.40	13.85	15.35	15.40

CH 393.91



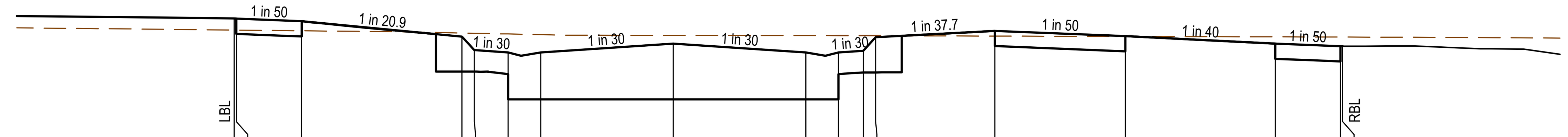
DATUM42.0

DESIGN SURFACE	43.59	43.58	43.55	43.41	43.26	43.20	43.20	43.30	43.20	43.20	43.26	43.41	43.46	43.40	43.31	43.28	43.28
EXISTING SURFACE	43.50	43.50	43.49	43.46	43.46	43.44	43.43	43.42	43.41	43.40	43.39	43.39	43.39	43.37	43.36	43.35	43.35
OFFSET	-10.10	-10.05	-8.55	-5.95	-5.75	-3.80	-3.05	0.00	3.05	3.80	5.75	5.95	7.40	10.40	13.85	15.35	15.40

CH 377.91

Planning and Environment Act 1987
Wyndham Planning Scheme

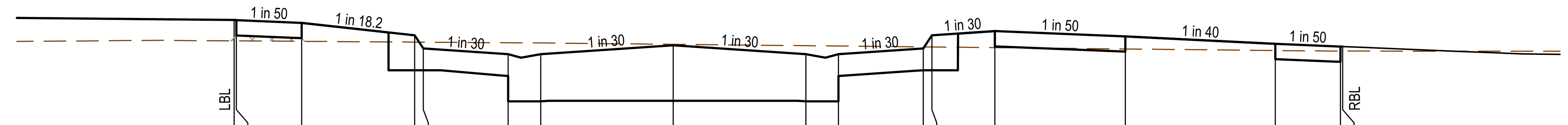
Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 2024/04/08



DATUM42.0

DESIGN SURFACE	43.44	43.43	43.40	43.23	43.07	43.05	43.05	43.15	43.05	43.05	43.06	43.22	43.29	43.23	43.15	43.12	43.12
EXISTING SURFACE	43.30	43.30	43.29	43.27	43.27	43.26	43.25	43.24	43.24	43.24	43.24	43.24	43.23	43.23	43.22	43.22	43.22
OFFSET	-10.10	-10.05	-8.55	-4.86	-4.58	-3.80	-3.05	0.00	3.05	3.80	4.37	4.66	7.40	10.40	13.85	15.35	15.40

CH 347.91



DATUM42.0

DESIGN SURFACE	43.28	43.27	43.24	43.10	42.95	42.89	42.89	42.99	42.89	42.89	42.95	43.10	43.15	43.09	43.00	42.97	42.97
EXISTING SURFACE	43.04	43.04	43.03	43.02	43.02	43.02	43.01	43.00	42.98	42.98	42.97	42.97	42.96	42.94	42.93	42.92	42.92
OFFSET	-10.10	-10.05	-8.55	-5.95	-5.75	-3.80	-3.05	0.00	3.05	3.80	5.75	5.95	7.40	10.40	13.85	15.35	15.40

CH 315.91

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
B	22.06.23	CROSS SECTION DIMS	K.KANG	K.KANG	C.SEXTON	D.POWELL
0	11.09.23	ISSUED FOR CONSTRUCTION	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
1	09.11.23	LOT BOUNDARIES UPDATED	C.PIERRE	K.KANG	C.SEXTON	A.RADOCCIA
2	28.03.24	ROAD NAME UPDATED	S.KHATIBI	K.KANG	C.SEXTON	A.RADOCCIA

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PLAN OF SUB. NO.
PS841640V/S16
PERMIT REF. NO.
WYP10107_17.02

0 1 2 4
0 0.5 1 2
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SCALE AS SHOWN AT A1

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ALAMORA Tarneit

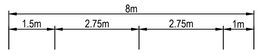
Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Cross Sections Resort Boulevard 2
Ch 315.91 - Ch 393.91

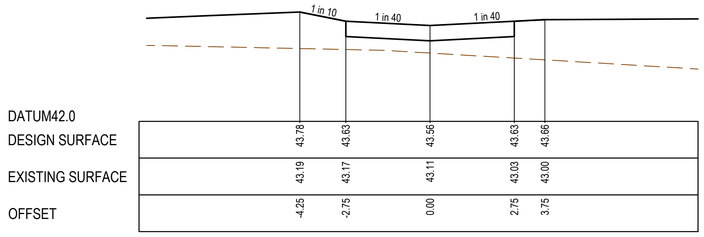
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-254	11 of 20	2

Planning and Environment Act 1987
Wyndham Planning Scheme

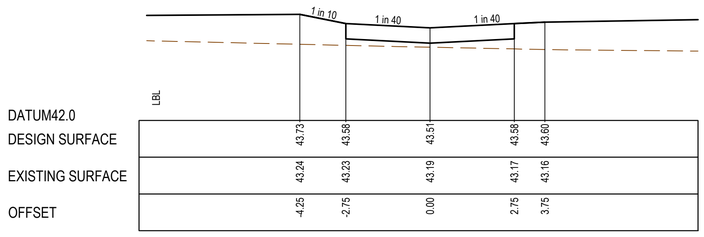
Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 06/09/2023

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

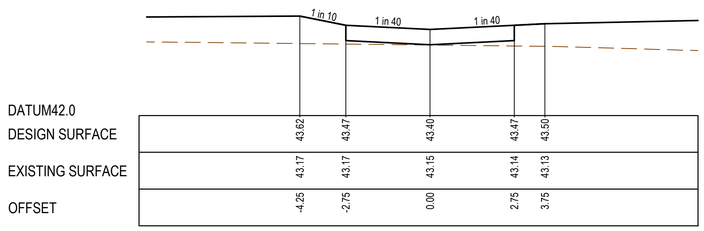




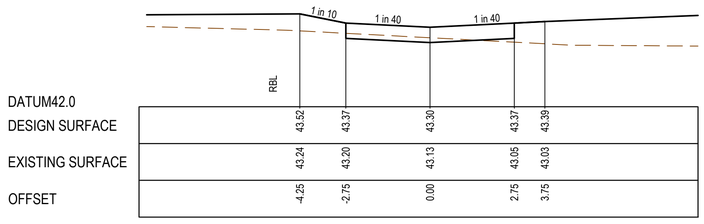
CH 82.35



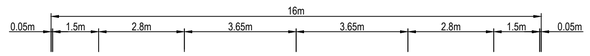
CH 70.35

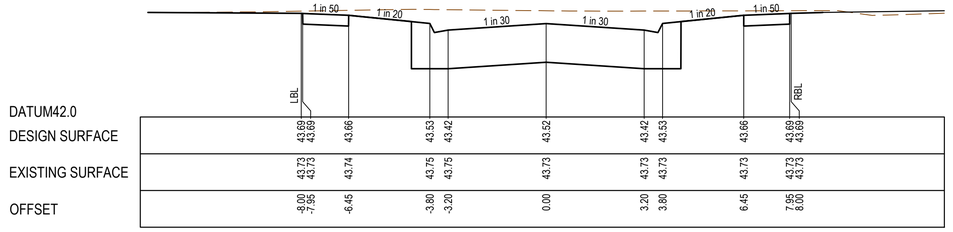


CH 49.35

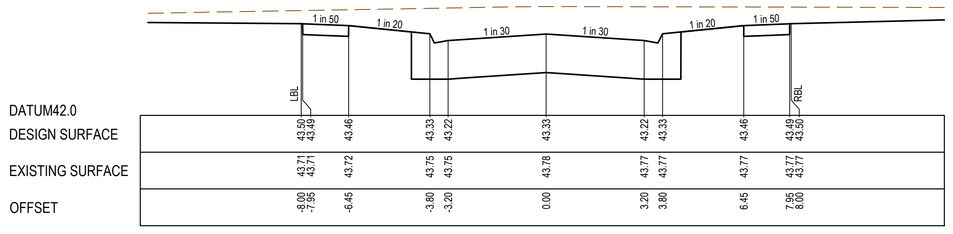


CH 28.35

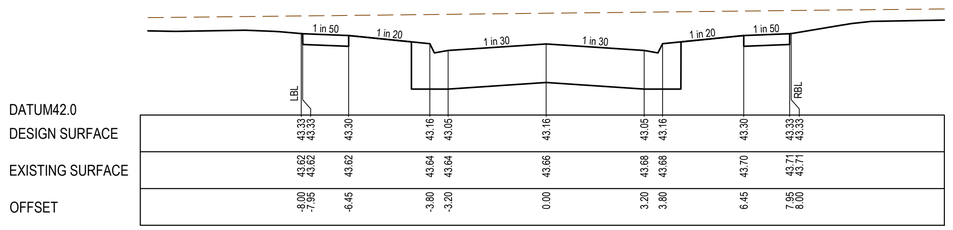




CH 64.00



CH 36.00



TPCH 11.80

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
B	22.06.23	CROSS SECTION DIMS	K.KANG	K.KANG	C.SEXTON	D.POWELL

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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

0 1 2 4
0 0.5 1 2
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SCALE AS SHOWN AT A1

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ALAMORA Tarneit

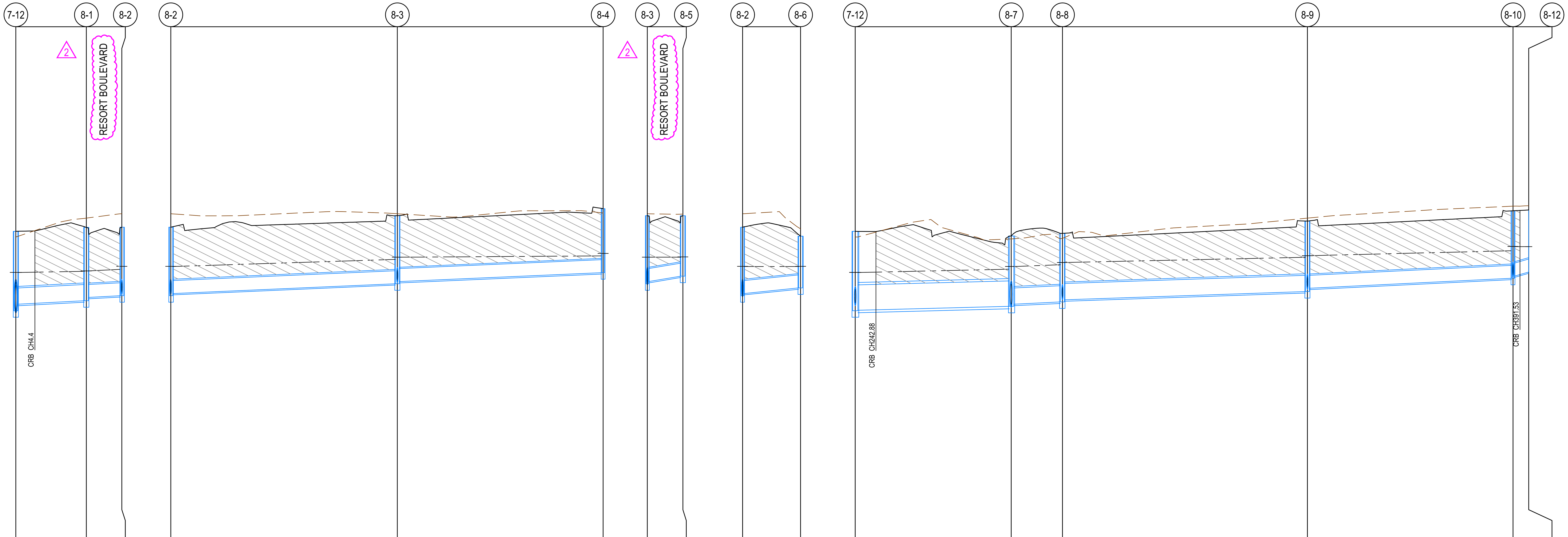
Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Cross Sections: Tuscany Avenue Ch 11.80 - Ch 64.00
Pavna Lane Ch 28.35 - Ch 82.35

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-255	12 of 20	B

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 2024/04/08

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



Run 7-12 – 8-1 – 8-2

	7-12	7-12 to 8-1	8-1	8-1 to 8-2	8-2
DESIGN FLOW (m3/s)		0.074		0.065	
CAPACITY (m3/s)		0.124		0.068	
AT GRADE VELOCITY (m/s)		1.12		0.96	
NOMINAL PIPE SIZE (mm)		375Ø		300Ø	
PIPE TYPE		RCP		RCP Class 3	
GRADE		1 in 200		1 in 203	
DATUM	34.0				
DEPTH TO INVERT	1.83 1.68		1.69 1.62		1.58
HYDRAULIC GRADE LINE	41.93 41.98		42.00 42.01		42.05 42.12
INVERT LEVEL	41.09 41.24		41.33 41.40		41.44
FINISHED SURFACE LEVELS	42.93		43.02		43.02
EXISTING SURFACE LEVEL	42.80		43.23		43.33
CHAINAGE	0.00		16.26		24.46
(Reach Length)		(16.26)		(8.20)	

Run 8-2 – 8-3 – 8-4

	8-2	8-2 to 8-3	8-3	8-3 to 8-4	8-4
DESIGN FLOW (m3/s)		0.054		0.024	
CAPACITY (m3/s)		0.064		0.064	
AT GRADE VELOCITY (m/s)		0.9		0.9	
NOMINAL PIPE SIZE (mm)		300Ø		300Ø	
PIPE TYPE		RCP Class 3		RCP Class 3	
GRADE		1 in 231		1 in 231	
DATUM	34.0				
DEPTH TO INVERT	1.53		1.57 1.52		1.48
HYDRAULIC GRADE LINE	42.12		42.28 42.33		42.36 42.42
INVERT LEVEL	41.49		41.72 41.77		41.97
FINISHED SURFACE LEVELS			43.29		43.45
EXISTING SURFACE LEVEL			43.33		43.35
CHAINAGE			76.75		124.24
(Reach Length)		(52.29)		(47.49)	

Run 8-3 – 8-5

	8-3	8-3 to 8-5	8-5
DESIGN FLOW (m3/s)		0.010	
CAPACITY (m3/s)		0.120	
AT GRADE VELOCITY (m/s)		1.69	
NOMINAL PIPE SIZE (mm)		300Ø	
PIPE TYPE		RCP Class 4	
GRADE		1 in 65.4	
DATUM	34.0		
DEPTH TO INVERT	1.57 1.52		1.40
HYDRAULIC GRADE LINE	42.28 42.33		42.33 42.34
INVERT LEVEL	41.72 41.77		41.89
FINISHED SURFACE LEVELS	43.29		43.29
EXISTING SURFACE LEVEL	43.33		43.32
CHAINAGE	0.00		8.20
(Reach Length)		(8.20)	

Run 8-2 – 8-6

	8-2	8-2 to 8-6	8-6
DESIGN FLOW (m3/s)		0.008	
CAPACITY (m3/s)		0.095	
AT GRADE VELOCITY (m/s)		1.35	
NOMINAL PIPE SIZE (mm)		300Ø	
PIPE TYPE		RCP Class 6	
GRADE		1 in 103	
DATUM	34.0		
DEPTH TO INVERT	1.58 1.53		1.20
HYDRAULIC GRADE LINE	42.05 42.12		42.11
INVERT LEVEL	41.44 41.49		41.62
FINISHED SURFACE LEVELS	43.02		42.82
EXISTING SURFACE LEVEL	43.33		42.98
CHAINAGE	0.00		13.40
(Reach Length)		(13.40)	

Run 7-12 – 8-7 – 8-8 – 8-9 – 8-10 – 8-12

	7-12	7-12 to 8-7	8-7	8-7 to 8-8	8-8	8-8 to 8-9	8-9	8-9 to 8-10	8-10	8-10 to 8-12	8-12
DESIGN FLOW (m3/s)		0.264		0.106		0.081		0.047		0.000	
CAPACITY (m3/s)		0.290		0.116		0.102		0.067		0.157	
AT GRADE VELOCITY (m/s)		1.08		1.05		0.92		0.95		2.22	
NOMINAL PIPE SIZE (mm)		600Ø		375Ø		375Ø		300Ø		300Ø	
PIPE TYPE		RCP Class 6		RCP Class 3		RCP Class 3		RCP Class 3		RCP Class 3	
GRADE		1 in 395		1 in 229		1 in 297		1 in 206		1 in 38.1	
DATUM	34.0										
DEPTH TO INVERT	1.83 1.82		1.63 1.58		1.58 1.53		1.63 1.55		1.56 1.51		1.43
HYDRAULIC GRADE LINE	41.93 41.98		42.05 42.12		42.16 42.21		42.33 42.36		42.48 42.58		42.57
INVERT LEVEL	41.09 41.10		41.19 41.24		41.30 41.35		41.54 41.61		41.84 41.89		41.99
FINISHED SURFACE LEVELS	42.93		42.82		42.88		43.16		43.40		43.42
EXISTING SURFACE LEVEL	42.80		42.75		42.77		43.23		43.51		43.52
CHAINAGE	238.11		274.11		285.93		342.48		389.93		393.55
(Reach Length)		(36.00)		(11.82)		(56.54)		(47.45)		(3.63)	

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
B	03.05.23	DRAINAGE LONG SECTIONS REVISED	K.KANG	K.KANG	C.SEXTON	D.POWELL
C	22.06.23	PIPE CLASS	K.KANG	K.KANG	C.SEXTON	D.POWELL
0	11.09.23	ISSUED FOR CONSTRUCTION	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
1	09.11.23	LOT BOUNDARIES UPDATED	C.PIERRE	K.KANG	C.SEXTON	A.RADOCCIA
2	28.03.24	ROAD NAME UPDATED	S.KHATIBI	K.KANG	C.SEXTON	A.RADOCCIA

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PLAN OF SUB. NO.: PS841640V/S16
PERMIT REF. NO.: WYP10107_17.02

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

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ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Drainage Longitudinal Sections - 1

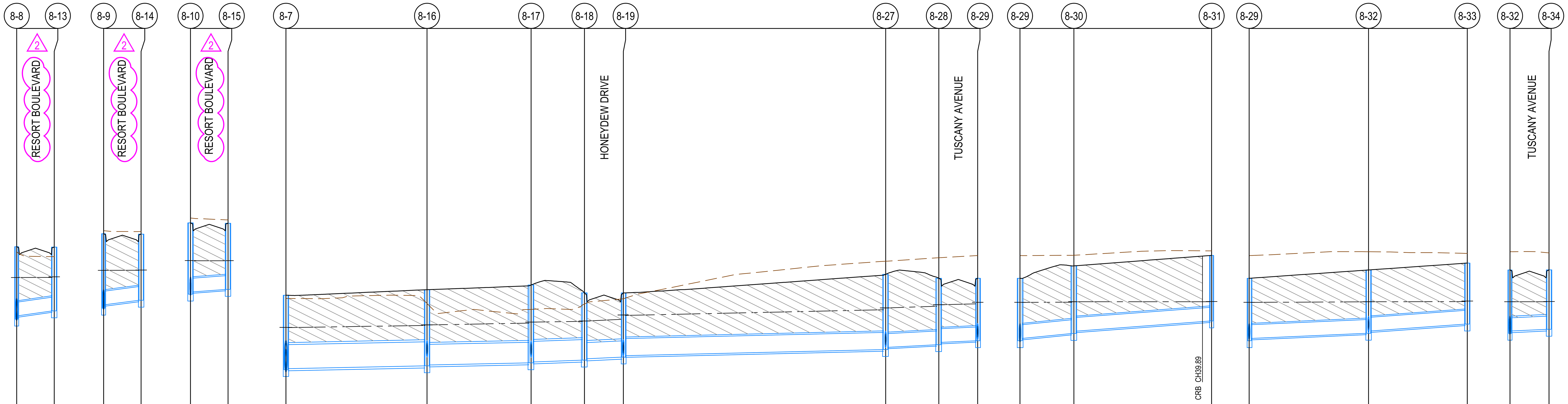
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-301	13 of 20	2

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-301.dwg PRINTED BY: SK17795 on 28/03/2024 at 09:24:59 AM

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 2024/04/08

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



8-8 to 8-13 (Datum 34.0)

Reach	Design Flow (m3/s)	Capacity (m3/s)	At Grade Velocity (m/s)	Nominal Pipe Size (mm)	Pipe Type	Grade	Reach Length
8-8 – 8-13	0.018	0.110	1.56	300Ø	RCP Class 4	1 in 77.3	(8.20)

Pit	Depth to Invert	Hydraulic Grade Line	Invert Level	Finished Surface Levels	Existing Surface Level	Chainage
8-8	1.58 / 1.51	42.16 / 42.21	41.30 / 41.37	42.88	42.77	0.00
8-13	1.40	42.21 / 42.22	41.48	42.87	42.66	8.20

8-9 to 8-14 (Datum 34.0)

Reach	Design Flow (m3/s)	Capacity (m3/s)	At Grade Velocity (m/s)	Nominal Pipe Size (mm)	Pipe Type	Grade	Reach Length
8-9 – 8-14	0.010	0.106	1.5	300Ø	RCP Class 4	1 in 83.4	(8.20)

Pit	Depth to Invert	Hydraulic Grade Line	Invert Level	Finished Surface Levels	Existing Surface Level	Chainage
8-9	1.63 / 1.55	42.33 / 42.36	41.54 / 41.61	43.16	43.23	0.00
8-14	1.45	42.37	41.71	43.16	43.21	8.20

8-10 to 8-15 (Datum 34.0)

Reach	Design Flow (m3/s)	Capacity (m3/s)	At Grade Velocity (m/s)	Nominal Pipe Size (mm)	Pipe Type	Grade	Reach Length
8-10 – 8-15	0.006	0.079	1.12	300Ø	RCP Class 4	1 in 149	(8.20)

Pit	Depth to Invert	Hydraulic Grade Line	Invert Level	Finished Surface Levels	Existing Surface Level	Chainage
8-10	1.56 / 1.51	42.48 / 42.58	41.84 / 41.89	43.40	43.51	0.00
8-15	1.45	42.57	41.95	43.39	43.47	8.20

8-7 to 8-29 (Datum 35.0)

Reach	Design Flow (m3/s)	Capacity (m3/s)	At Grade Velocity (m/s)	Nominal Pipe Size (mm)	Pipe Type	Grade	Reach Length
8-7 – 8-16	0.167	0.192	0.89	525Ø	RCP Class 3	1 in 500	(30.84)
8-16 – 8-17	0.117	0.128	0.8	450Ø	RCP	1 in 500	(22.75)
8-17 – 8-18	0.106	0.165	1.04	450Ø	RCP Class 3	1 in 300	(11.66)
8-18 – 8-19	0.100	0.101	1.02	375Ø	RCP Class 6	1 in 227	(8.50)
8-19 – 8-27	0.081	0.085	0.77	375Ø	RCP Class 3	1 in 430	(57.34)
8-27 – 8-28	0.054	0.068	0.96	300Ø	RCP	1 in 203	(11.63)
8-28 – 8-29	0.046	0.064	0.9	300Ø	RCP Class 4	1 in 231	(8.50)

Pit	Depth to Invert	Hydraulic Grade Line	Invert Level	Finished Surface Levels	Existing Surface Level	Chainage
8-7	1.63 / 1.61	42.05 / 42.12	41.19 / 41.21	42.82	42.75	0.00
8-16	1.66 / 1.64	42.16 / 42.17	41.28 / 41.30	42.94	42.64	30.84
8-17	1.70 / 1.68	42.21 / 42.23	41.34 / 41.36	43.04	42.51	53.59
8-18	1.47 / 1.44	42.25 / 42.26	41.40 / 41.43	42.87	42.63	65.26
8-19	1.40 / 1.37	42.29 / 42.39 42.38	41.47 / 41.50	42.87	42.74	73.76
8-27	1.65 / 1.60	42.50 / 42.54	41.63 / 41.68	43.28	43.56	131.10
8-28	1.45 / 1.40	42.58 / 42.61	41.74 / 41.79	43.19	43.64	142.72
8-29	1.36	42.63 / 42.67	41.83	43.19	43.69	151.22

8-29 to 8-31 (Datum 35.0)

Reach	Design Flow (m3/s)	Capacity (m3/s)	At Grade Velocity (m/s)	Nominal Pipe Size (mm)	Pipe Type	Grade	Reach Length
8-29 – 8-30	0.018	0.093	1.31	300Ø	RCP Class 6	1 in 108	(11.79)
8-30 – 8-31	0.006	0.083	1.18	300Ø	RCP Class 3	1 in 136	(30.10)

Pit	Depth to Invert	Hydraulic Grade Line	Invert Level	Finished Surface Levels	Existing Surface Level	Chainage
8-29	1.36 / 1.31	42.63 / 42.67	41.83 / 41.88	43.19	43.69	0.00
8-30	1.48 / 1.43	42.67 / 42.68	41.98 / 42.03	43.46	43.69	11.79
8-31	1.43	42.68	42.26	43.69	43.79	41.89

8-29 to 8-33 (Datum 35.0)

Reach	Design Flow (m3/s)	Capacity (m3/s)	At Grade Velocity (m/s)	Nominal Pipe Size (mm)	Pipe Type	Grade	Reach Length
8-29 – 8-32	0.021	0.064	0.9	300Ø	RCP Class 6	1 in 231	(26.10)
8-32 – 8-33	0.013	0.081	1.14	300Ø	RCP Class 6	1 in 144	(21.58)

Pit	Depth to Invert	Hydraulic Grade Line	Invert Level	Finished Surface Levels	Existing Surface Level	Chainage
8-29	1.36 / 1.31	42.63 / 42.67	41.83 / 41.88	43.19	43.69	151.22
8-32	1.38 / 1.33	42.68	41.99 / 42.04	43.37	43.77	177.33
8-33	1.33	42.68 / 42.69	42.19	43.52	43.73	198.91

8-32 to 8-34 (Datum 35.0)

Reach	Design Flow (m3/s)	Capacity (m3/s)	At Grade Velocity (m/s)	Nominal Pipe Size (mm)	Pipe Type	Grade	Reach Length
8-32 – 8-34	0.008	0.057	0.88	300Ø	RCP Class 6	1 in 231	(8.55)

Pit	Depth to Invert	Hydraulic Grade Line	Invert Level	Finished Surface Levels	Existing Surface Level	Chainage
8-32	1.38 / 1.33	42.68	41.99 / 42.04	43.37	43.77	0.00
8-34	1.30	42.68	42.08	43.37	43.75	8.55

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
B	03.05.23	DRAINAGE LONG SECTIONS REVISED	K.KANG	K.KANG	C.SEXTON	D.POWELL
C	22.06.23	PIPE CLASS	K.KANG	K.KANG	C.SEXTON	D.POWELL
0	11.09.23	ISSUED FOR CONSTRUCTION	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
1	09.11.23	LOT BOUNDARIES UPDATED	C.PIERRE	K.KANG	C.SEXTON	A.RADOCCIA
2	28.03.24	ROAD NAME UPDATED	S.KHATIBI	K.KANG	C.SEXTON	A.RADOCCIA

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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

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Scale H1:500, V1:50
SCALE AS SHOWN AT A1

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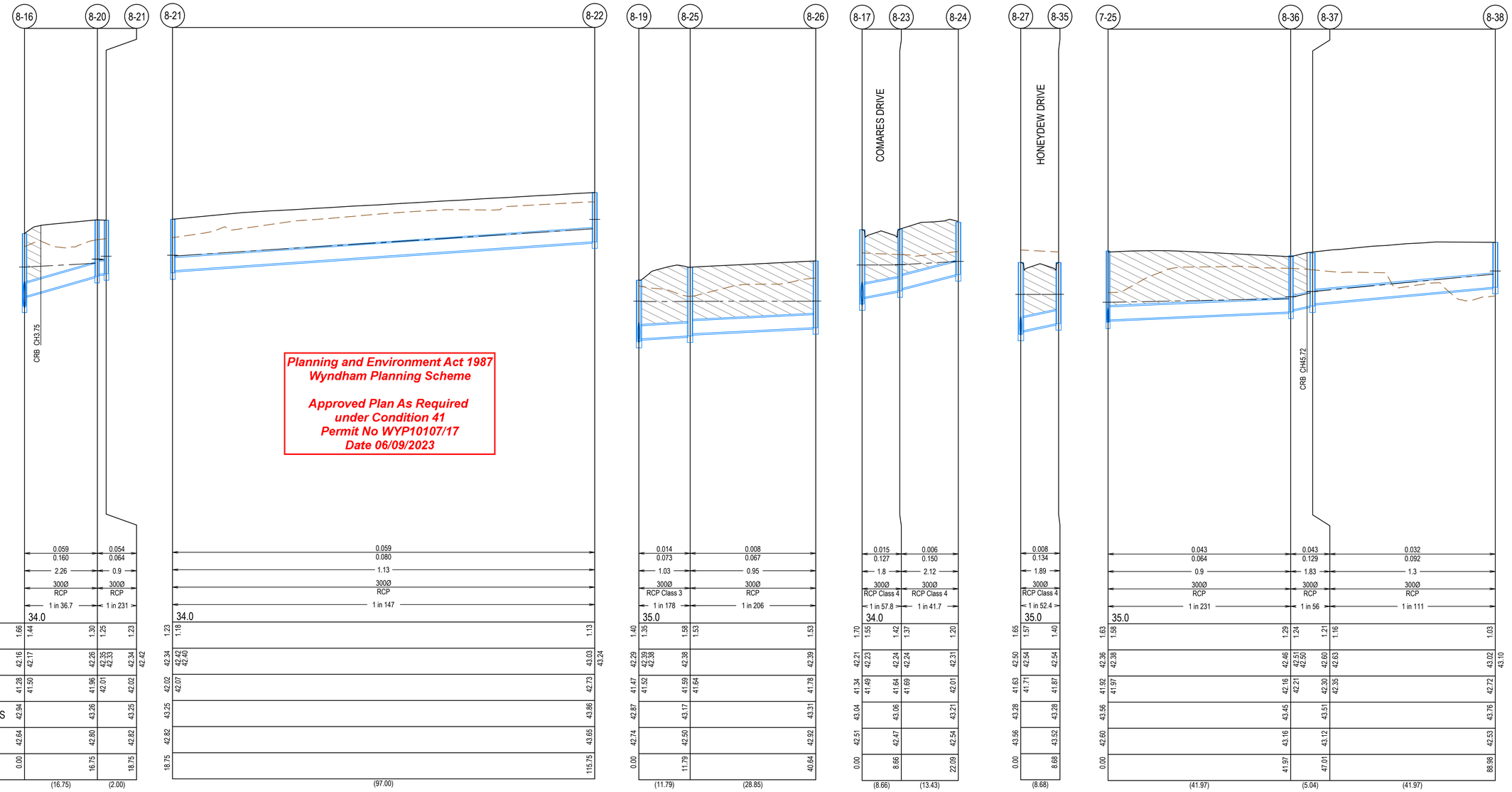
ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Drainage Longitudinal Sections - 2

MELWAYS REF 234 D6 | PROJECT / DRAWING No. 2070E-A08-302 | SHEET No. 14 of 20 | REVISION 2

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



Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 06/09/2023

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
B	03.05.23	DRAINAGE LONG SECTIONS REVISED	K.KANG	K.KANG	C.SEXTON	D.POWELL

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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

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ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Drainage Longitudinal Sections - 3

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-303	15 of 20	C

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-303.dwg PRINTED BY: KK16460 on 14/07/2023 at 03:20:12 PM

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 06/09/2023

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)				
8-01	SIDE ENTRY PIT	600	900	300	41.4	375	41.325	43.019	1.694	EDCM 601	
8-02	SIDE ENTRY PIT	600	900	300	41.49	300	41.44	43.022	1.581	EDCM 601	
				300	41.49						
8-03	SIDE ENTRY PIT	600	900	300	41.767	300	41.717	43.288	1.571	EDCM 601	
				300	41.767						
8-04	JUNCTION PIT	600	900			300	41.972	43.451	1.478	EDCM 605	
8-05	SIDE ENTRY PIT	600	900			300	41.892	43.287	1.395	EDCM 601	
8-06	DOUBLE SIDE ENTRY PIT	600	900			300	41.621	42.816	1.195	EDCM 602	
8-07	DOUBLE SIDE ENTRY PIT	900	1200	375	41.245	600	41.195	42.82	1.625	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
				525	41.215						
8-08	DOUBLE SIDE ENTRY PIT	600	900	375	41.35	375	41.3	42.881	1.581	EDCM 602	
				300	41.375						
8-09	SIDE ENTRY PIT	600	900	300	41.612	375	41.537	43.164	1.627	EDCM 601	
				300	41.612						
8-10	SIDE ENTRY PIT	600	900	300	41.895	300	41.845	43.401	1.556	EDCM 601	
				300	41.895						
8-12	ENDPIPE					300	41.987	43.419	1.432		CAP END PIPE WITH STEEL PLATE FOR FUTURE CONNECTION
08-13	DOUBLE SIDE ENTRY PIT	600	900			300	41.477	42.873	1.395	EDCM 602	
08-14	SIDE ENTRY PIT	600	900			300	41.71	43.156	1.445	EDCM 601	
08-15	SIDE ENTRY PIT	600	900			300	41.947	43.393	1.445	EDCM 601	
08-16	JUNCTION PIT	750	900	450	41.296	525	41.276	42.941	1.664	EDCM 605 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
				300	41.501						
08-17	SIDE ENTRY PIT	750	900	450	41.362	450	41.342	43.044	1.702	EDCM 601 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
				300	41.492						
08-18	DOUBLE SIDE ENTRY PIT	600	900	355	41.431	450	41.401	42.872	1.472	EDCM 602	
08-19	DOUBLE SIDE ENTRY PIT	600	900	375	41.498	355	41.468	42.87	1.402	EDCM 602	
				300	41.523						
08-20	JUNCTION PIT	600	900	300	42.008	300	41.958	43.256	1.298	EDCM 605	
08-21	JUNCTION PIT	600	900	300	42.067	300	42.017	43.246	1.23	EDCM 605	
08-22	JUNCTION PIT	600	900			300	42.728	43.861	1.134	EDCM 605	
08-23	SIDE ENTRY PIT	600	900	300	41.692	300	41.642	43.058	1.416	EDCM 601	
08-24	GRATED PIT	600	900			300	42.013	43.215	1.201	EDCM 605	
08-25	SIDE ENTRY PIT	600	900	300	41.64	300	41.59	43.168	1.579	EDCM 601	
08-26	JUNCTION PIT	600	900			300	41.779	43.312	1.533	EDCM 605	
08-27	SIDE ENTRY PIT	600	900	300	41.682	375	41.632	43.278	1.646	EDCM 601	
				300	41.707						
08-28	DOUBLE SIDE ENTRY PIT	600	900	300	41.789	300	41.739	43.19	1.451	EDCM 602	
08-29	DOUBLE SIDE ENTRY PIT	600	900	300	41.876	300	41.826	43.19	1.365	EDCM 602	
				300	41.876						
08-30	SIDE ENTRY PIT	600	900	300	42.034	300	41.984	43.462	1.478	EDCM 601	
08-31	SIDE ENTRY PIT	600	900			300	42.256	43.691	1.434	EDCM 601	
08-32	JUNCTION PIT	600	900	300	42.039	300	41.989	43.372	1.384	EDCM 605	
				300	42.039						
08-33	JUNCTION PIT	600	900			300	42.189	43.523	1.334	EDCM 605	
08-34	JUNCTION PIT	600	900			300	42.076	43.375	1.299	EDCM 605	
08-35	SIDE ENTRY PIT	600	900			300	41.872	43.275	1.403	EDCM 601	
08-36	JUNCTION PIT	600	900	300	42.206	300	42.156	43.449	1.292	EDCM 605	
08-37	JUNCTION PIT	600	900	300	42.346	300	42.296	43.508	1.212	EDCM 605	
08-38	JUNCTION PIT	600	900			300	42.724	43.756	1.031	EDCM 605	
7-12	JUNCTION PIT	900	1200	600	41.104	675	41.094	42.927	1.833	EDCM 605 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
				375	41.244						

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	03.05.23	PIT SCHEDULE ADDED	K.KANG	K.KANG	C.SEXTON	D.POWELL
B	22.06.23	PIT SCHEDULES	K.KANG	K.KANG	C.SEXTON	D.POWELL

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PLAN OF SUB. NO. PS841640V/S16

PERMIT REF. NO. WYP10107_17.02

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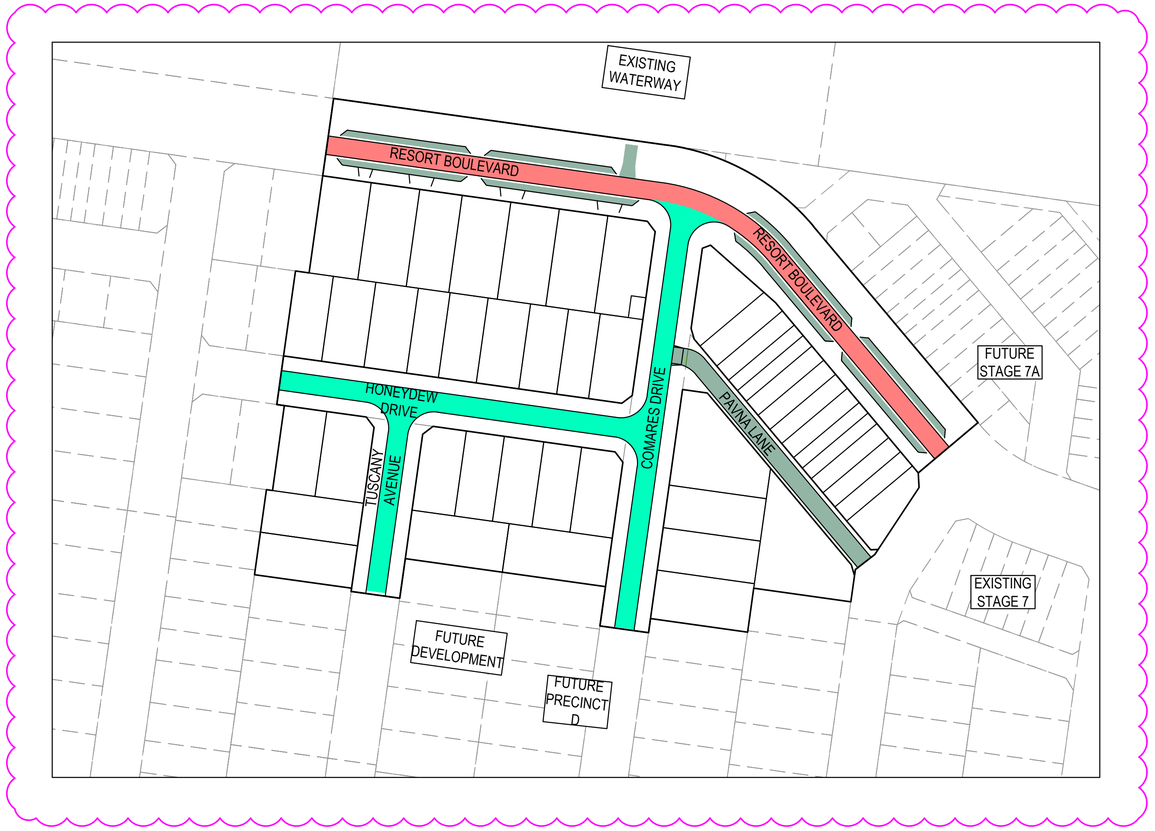
ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Drain Pit Schedule

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-351	16 of 20	A

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-351.dwg PRINTED BY: KK16460 on 14/07/2023 at 03:20:27 PM



PARKING BAY AND PAVNA LANE PAVEMENT COMPOSITION			
300mm DEPTH PAVEMENT COMPOSITION		LAYER THICKNESS (mm)	
PAVEMENT LAYER			MATERIAL
CONCRETE	UPPER LAYER	200	CONCRETE. SL82 MESH. 40mm TOP COVER
CRUSHED ROCK	BASE	100	CLASS 3 CRUSHED ROCK 20mm NOM. SIZE

ACCESS PLACE - HONEYDEW DRIVE, COMARES DRIVE AND TUSCANY AVENUE			
530mm DEEP PAVEMENT (INCLUDING 200mm DEEP CAPPING) AND 200mm 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		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 < $1x10^{-9}$m/s AND SWELL < 1.5% MATERIAL. COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1
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

2

CONNECTOR ROAD - HERMOSA DRIVE AND RESORT BOULEVARD PAVEMENT COMPOSITION			
550mm DEPTH PAVEMENT COMPOSITION		LAYER THICKNESS (mm)	
PAVEMENT LAYER			MATERIAL
ASPHALT	WEARING COURSE	40	SIZE 14 TYPE N CLASS 320 ASPHALT
	INTERMEDIATE COURSE	75	SIZE 20 TYPE SI ASPHALT CLASS 320 ASPHALT
	BASE COURSE	75	SIZE 20 TYPE SI ASPHALT CLASS 320 ASPHALT
	SAMI SEAL	-	-
	BITUMINOUS PRIME	-	-
SUBBASE COURSE	UPPER	100	SIZE 20 CLASS 3 CEMENT TREATED CRUSHED ROCK (CTCR) 3% CEMENT. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289, 5.2.1
	LOWER	110	SIZE 20 CLASS 3 CRUSHED ROCK. COMPACTED TO A MINIMUM DENSITY OF 96% (MODIFIED) AS1289, 5.2.1
CAPPING	CAPPING LAYER	150	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

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 2024/04/08

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

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
B	03.05.23	PAVEMENT DETAILS	K.KANG	K.KANG	C.SEXTON	D.POWELL
C	30.08.23	TUSCANY AVENUE	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
D	30.08.23	ACCESS PLACE WEARING COURSE	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
0	11.09.23	ISSUED FOR CONSTRUCTION	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL
1	09.11.23	LOT BOUNDARIES UPDATED	C.PIERRE	K.KANG	C.SEXTON	A.RADOCCIA
2	28.03.24	ROAD NAME UPDATED	S.KHATIBI	K.KANG	C.SEXTON	A.RADOCCIA

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PLAN OF SUB. NO. PS841640V/S16

PERMIT REF. NO. WYP10107_17.02

ISSUED FOR CONSTRUCTION

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

N

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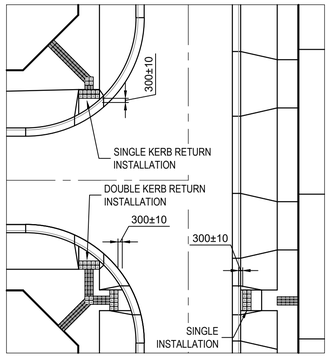
ALAMORA Tarneit

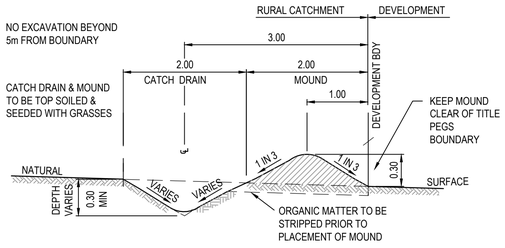
Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Road and Drainage
Pavement Details

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-411	17 of 20	2

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-411.dwg PRINTED BY: SK17795 on 28/03/2024 at 09:26:00 AM



TYPICAL TGSI LAYOUT
N.T.S
REFER TO NOTE 34



TYPICAL SECTION THROUGH CATCH DRAIN
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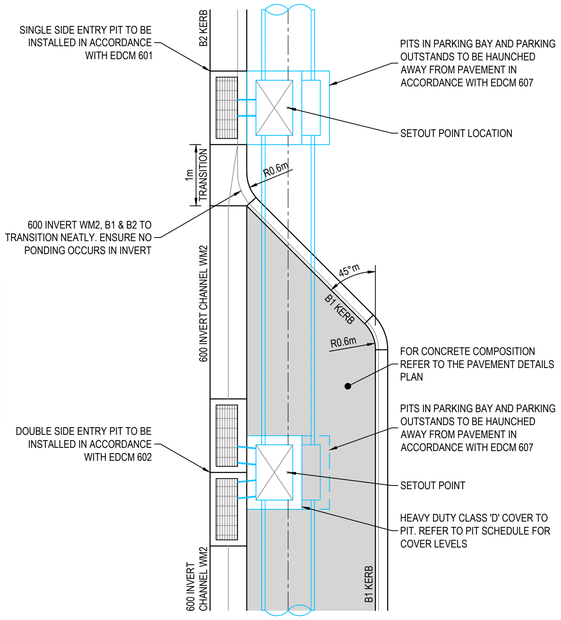
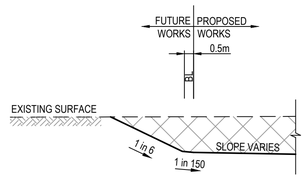
Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 06/09/2023



TYPICAL PARKING BAY & DRAINAGE PIT LAYOUT
SCALE 1:50



CUT BATTER INTO FUTURE LOT
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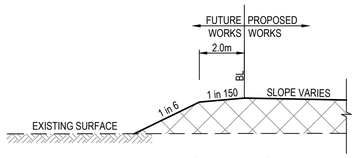
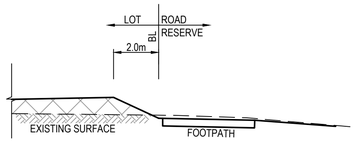
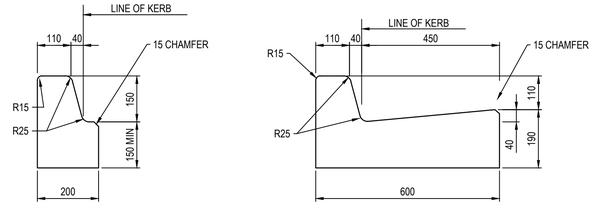


FILL BATTER INTO FUTURE LOT
NOT TO SCALE

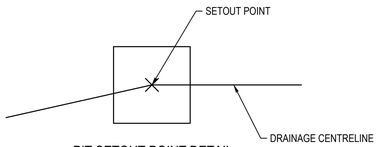


TYPICAL RIDGE BATTER DETAIL
NOT TO SCALE



B1 KERB DETAIL
SCALE 1:10
EDCM

600 B2 KERB DETAIL
SCALE 1:10
EDCM



PIT SETOUT POINT DETAIL
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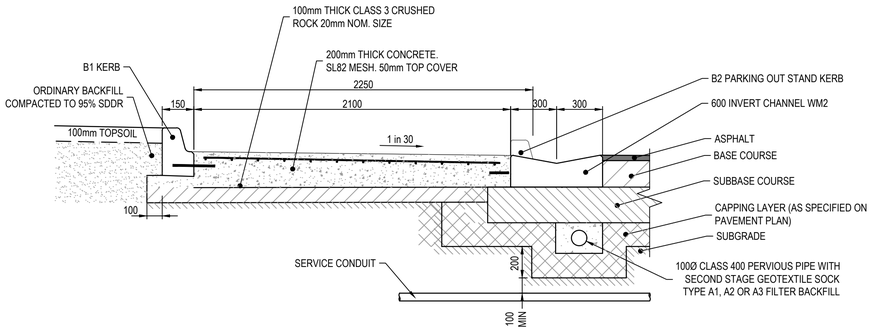
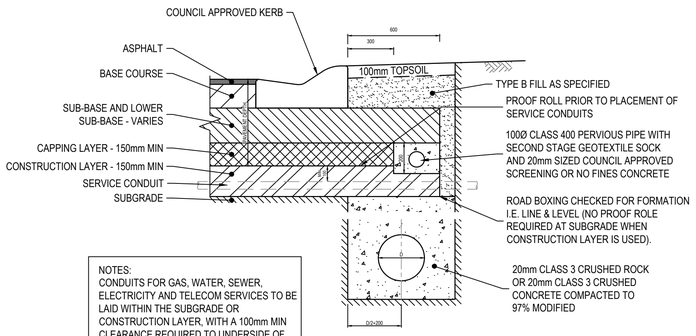


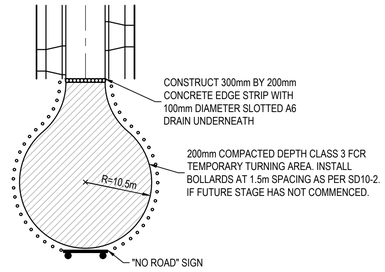
SECTION THROUGH PARKING
NOT TO SCALE

NOTES:
CONDUITS FOR GAS, WATER, ELECTRICITY AND TELECOM SERVICES TO BE LOCATED CLEAR OF PAVEMENT AND THE SUBSURFACE DRAIN



NOTES:
CONDUITS FOR GAS, WATER, SEWER, ELECTRICITY AND TELECOM SERVICES TO BE LAID WITHIN THE SUBGRADE OR CONSTRUCTION LAYER, WITH A 100mm MIN CLEARANCE REQUIRED TO UNDERSIDE OF CAPPING LAYER. CONDUITS SHALL NOT BE PLACED WITHIN THE PAVEMENT NOR THE CAPPING LAYER.

SUBSOIL DRAIN
(EXPANSIVE SOILS)
REFER EDCM STD DWG 202A
NOT TO SCALE



TEMPORARY TURN AREA DETAIL
NOT TO SCALE

WARNING
BEWARE OF UNDERGROUND SERVICES
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Locate all underground services before commencement of works
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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	03.05.23	TYPICAL DETAILS ADDED	K.KANG	K.KANG	C.SEXTON	D.POWELL

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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

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ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
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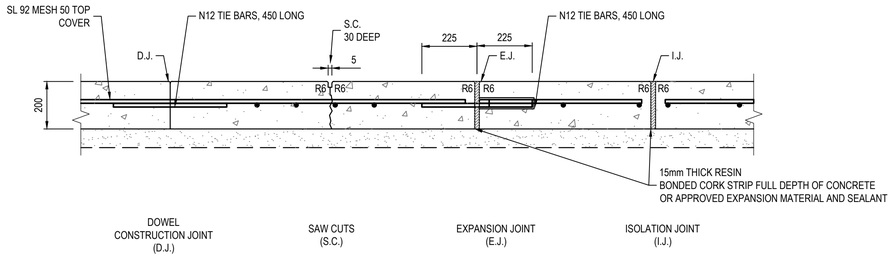
Road and Drainage
General Details - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-421	18 of 20	A

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-421.dwg PRINTED BY: KK16460 on 14/07/2023 at 03:20:56 PM



CONCRETE JOINTING DETAILS

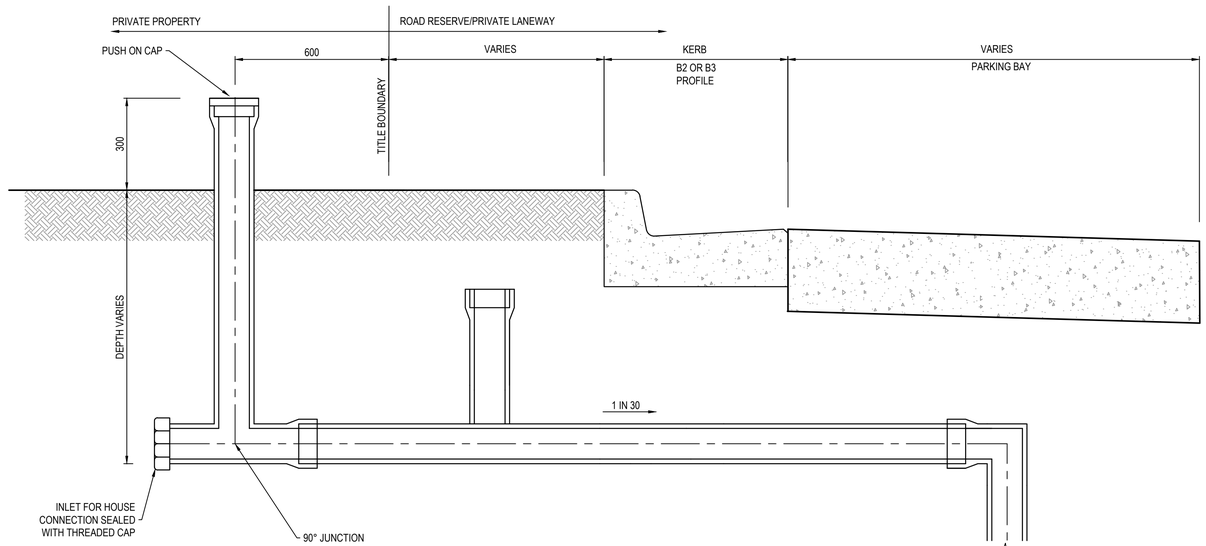
NOT TO SCALE
REFER TO EDCM 401

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required under Condition 41
Permit No WYP10107/17
Date 06/09/2023

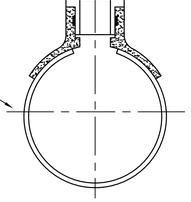
JOINT DETAIL NOTES:

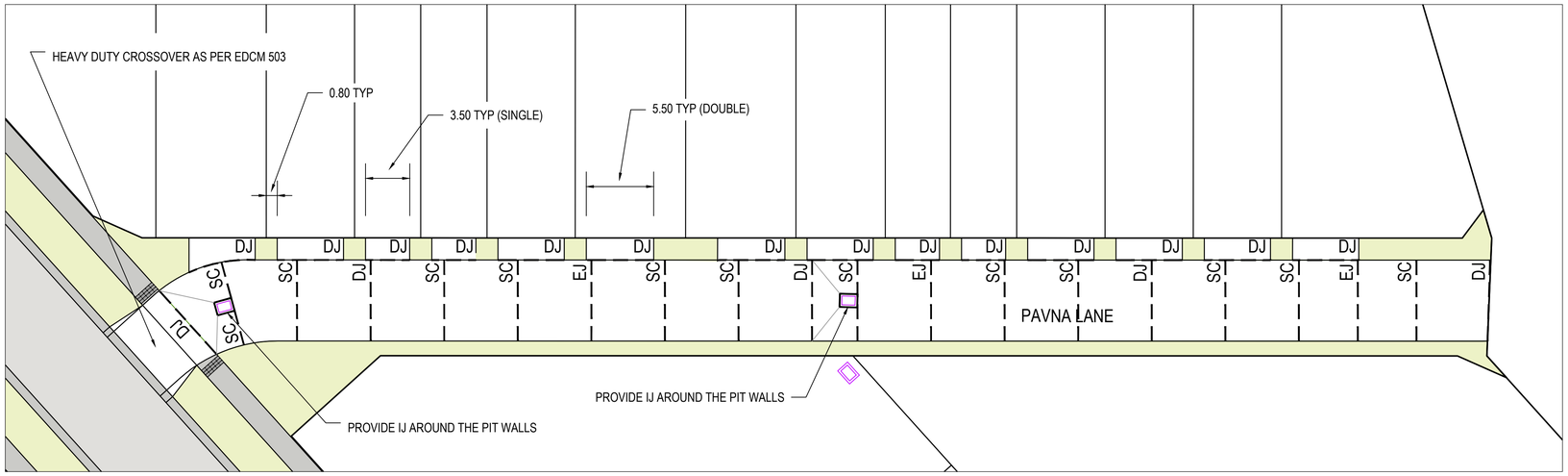
1. SAW JOINTS ARE TO BE PLACED AT A MAXIMUM 5m SPACING AT INTERSECTIONS AND CONSTRUCTED 18-24 HOURS AFTER POURING.
2. DOWEL CONSTRUCTION JOINTS ARE TO BE PLACED AT A MAXIMUM SPACING OF 15m.
3. EXPANSION JOINTS ARE TO BE PLACED AT MAXIMUM SPACING OF 30m.
4. ISOLATION JOINTS ARE TO BE PLACED AROUND PITS.
5. ALL JOINTS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH "CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA - CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS 1997".
6. CONCRETE SHALL BE CURED IN ACCORDANCE WITH AS3600 AND NOT TO BE TRAFFICKED UNTIL AT LEAST SEVEN DAYS AFTER POURING.
7. CONCRETE SURFACE TO BE LIGHT BROOM FINISH AND NEATLY BROOMED AFTER BROOM IS APPLIED.



TYPICAL DETAIL FOR CONNECTIONS UNDER CONCRETE PARKING BAYS

NOT TO SCALE





LANEWAY DETAIL PLAN

1:200

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	21.06.23	TYPICAL DETAILS ADDED	K.KANG	K.KANG	C.SEXTON	D.POWELL

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PLAN OF SUB. NO.	PS841640V/S16
PERMIT REF. NO.	WYP10107_17.02

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ALAMORA Tarneit

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Wyndham City Council
Road and Drainage
General Details - 2

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-422	19 of 20	A

										Score remaining residual risk		
PHASE	DISCIPLINE CODE		RISK REGISTER - CONSTRUCTION / OPERATIONS / MAINTENANCE POTENTIAL 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	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	New works will be constructed adjacent to live traffic when abutting existing stages.	Contractor	Disruptions to live traffic, construction incident involving live traffic.	Provide safe temporary traffic control (TCP)	TCP provided within contract	N	5	3	15
Construction	RD	Roads	Culverts	Potential risk from culverts under construction and height / fall hazards	Contractor	Falling from a height	Temporary barriers to be provided	Temporary barrier provided in contract	N	2	5	10
Construction	US	Utilities or Services	Utilities become a hazard within clear zones	Vehicle conflict with utility / pit	Contractor	Personal injury, vehicle damage	Sequence works and protect with temp barrier or traffic control (TCP)	TCP provided within contract	N	1	5	5
Operational	RD	Roads	Sight Lines	Inadequate drivers response time.	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Vis lines checked and discussed with approval authority as part of design approval process	N	1	4	4
Operational	LS	Lines and Signs	Signs and street lights	Potential for drivers / riders to strike signs and street lights	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Refer to appropriate standard for sign and lighting offsets	N	1	4	4
Operational	RF	Road Furniture	Headwalls	Potential vehicle conflict within clear zone	Road Authority	Increased potential for accidents	Establish adequate clear zone provision	Adequate barrier provided as per appropriate standard where within clear zone. Culvert headwall selection in accordance with authority standard	N	2	4	8
Operational	RD	Roads	Culverts	Potential fall hazard during maintenance, by vechicles and pedestrians	Relevant Authority	Falling from a height	Barriers to be provided in accordance with road standards	Barriers to be provided and safe batter slopes (>1:3)	N	2	5	10
			Retaining Walls									
Construction	RW	Retaining Walls	Retaining Wall Alignment	Falling from height during construction or commissioning of walls and adjacent structures eg. sewer manholes	Contractor	Falling from a height	Provide temporary and permanent fencing at top of wall.	Provide fencing (at heights) during design process	N	1	1	1
Operational	RW	Retaining Walls	Retaining Wall Alignment	Lack of safe access/setback from road	Road/ Local Authority	Increased potential for accidents	Establish adequate and accessible clear zone provision. Provide guardrail where required	Wall located in suitable position during design process and approved by authority	N	1	1	1
Operational	RW	Retaining Walls	Retaining Wall Height	Potential for falling from height	Road/ Local Authority	Personal injury	Provide temporary and permanent fencing at top of wall.	Provide fencing (at heights) during design process	N	1	5	5
Operational	RW	Retaining Walls	Retaining Wall Design	Potential for wall failure	Road/ Local Authority	Increased potential for accidents	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	Trip/fall hazard with large spaced grate	Relevant Authority	Increased potential for accidents	Provide pedestrian/bicycle friendly grates where applicable. Refer to pit schedule	Design in accordance with authority and manufacturers standards	N	3	2	6
Operational	DR	Drainage	Non Standard Large Pits	Potential for pit failure	Relevant Authority	Increased risk to maintenance crews/ vehicles	Structural design in accordance with relevant design principles.	Refer to structural drawings and calculations	N	1	4	4
Operational	DR	Drainage	Culvert Endwalls/Headwalls	Potential for falling from height	Relevant Authority	Increased potential for accidents	Fencing to be provided where culverts/headwalls are at height in accordance with relevant authority standards	Allow for fencing in Design Process	N	1	4	4
Operational	DR	Drainage	Culvert Endwall/Headwall Outlets	Children playing in large pipes / watercourses and access for maintenance	Relevant Authority	Increased potential for accidents	Grate provided to authority standards	Design in accordance with authority and manufacturers standards	N	2	5	10
Maintenance	DR	Drainage	Access to Pits	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Provide safe landing/ access arrangements as per relevant authority standards	Where possible design pit in location for easy access and outside of permanent water bodies	N	2	5	10
Maintenance	DR	Drainage	Deep Pits	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, step irons to be provided to appropriate authority standards. Refer to pit schedule	Design in accordance with authority standards	N	1	5	5
Maintenance	DR	Drainage	Access to drains / culverts	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Access as approved by authority	Design pit in location for easy access as agreed with authority	N	2	3	6
			Sewer									
Construction	SE	Sewer	Sewer Manhole located adjacent to Retaining Wall Alignment	Falling from height during construction or commissioning of adjacent sewer manholes	Contractor	Falling from a height	Provide temporary fencing until such time that permanent fencing is constructed	Provide fencing (at heights) during design process	N	1	1	1
Maintenance	SE	Sewer	Deep Manholes	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, landings and step access provided as per authority standards and schedule	Design in accordance with authority standards. Refer pit schedule on drawings	N	1	5	5
Maintenance	SE	Sewer	Access to Manholes	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Manholes located in compliance with authority standards	Where possible design manhole in location for easy access	N	1	5	5
Maintenance	SE	Sewer	Pump Station Access	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance	Design pump station in location for easy access	N	2	4	8
			Electricity									
Operational	ES	Electrical Services	Electrical Design	Location of assets within clear zones e.g.. pits/ substations	Relevant Authority	Increased potential for accidents	Electrical designed by sub consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6
			Telstra									
Operational	TE	Telstra	Telstra Design	Location of assets within clear zones e.g.. pits	Relevant Authority	Increased potential for accidents	Telecommunications designed by authority consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6
			Water									
Operational	WA	Water	Water Design	Location of assets within clear zones e.g.. pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6
			Gas									
Operational	GA	Gas	Gas Design	Location of assets within clear zones e.g.. pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	1	1	1

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	23.03.23	ISSUED FOR INFORMATION ONLY	S.MORETDOVALE	K.KANG	C.SEXTON	D.POWELL

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PLAN OF SUB. NO. PS841640V/S16

PERMIT REF. NO. WYP10107_17.02

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Alamora - Stage 8, Sayers Road, Tarneit
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Road and Drainage
Safety In Design

MELWAYS REF 234 D6 | PROJECT / DRAWING No. 2070E-A08-500 | SHEET No. 20 of 20 | REVISION A

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-500.dwg PRINTED BY: KK16460 on 14/07/2023 at 03:21:26 PM

ALAMORA
STAGE 8

Drawing Index

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	08.05.23	ISSUED FOR INFORMATION ONLY	K.KANG	K.KANG	C.SEXTON	D.POWELL

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PLAN OF SUB. NO. PS841640V/S16
PERMIT REF. NO. WYP10107_17.02

0 10 20 40
Scale 1:1000
SCALE AS SHOWN AT A1

N

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ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Q5 Plans
Q5 Catchment Plan
Cover Sheet

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-ID-301	01 of 04	A

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-ID-301.dwg PRINTED BY: KK16460 on 02/08/2023 at 10:18:57 AM

8-15
0.0466ha
8-14
0.0729ha
8-10
0.0311ha
8-9
0.0482ha
TIERRA BOULEVARD
8-13
0.1371ha
8-8
0.0592ha
8-10(2)
0.2490ha
8-9(2)
0.1536ha
8-8(2)
0.0508ha
8-7
0.0565ha
8-6
0.0571ha
8-1
0.0859ha
TIERRA BOULEVARD
8-2
0.0577ha
7-10(3)
0.8871ha
8-3(2)
0.1146ha
8-22(2)
0.3975ha
8-20(2)
0.0388ha
8-5
0.0745ha
8-35
0.0620ha
8-30
0.0421ha
HONEYDEW DRIVE
8-18
0.0596ha
PAVINA LANE
8-3
0.0480ha
8-19
0.0603ha
8-24
0.0446ha
8-4(2)
0.1622ha
COMARES DRIVE
8-31(2)
0.0392ha
8-30(2)
0.0444ha
8-27(2)
0.1452ha
8-19(2)
0.0387ha
7-26
0.1120ha
8-29
0.0720ha
8-28
0.0706ha
8-23
0.0668ha
8-38(2)
0.2160ha
7-25
0.0312ha
7-23
0.0536ha
7-22
0.0478ha
7-20
0.0400ha
8-33(2)
0.0896ha
TUSCANY AVENUE
8-34(2)
0.0512ha
8-26(2)
0.0544ha
8-37(2)
0.0801ha
ALCAZAR WAY
7-21(2)
0.1201ha
EXISTING STAGE 7
8-25
0.0464ha
7-20(2)
0.0298ha
7-28
0.0563ha
7-30
0.0466ha
PAVINA LANE
CETINA PARADE
7-27
0.0811ha
FUTURE PRECINCT D

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	08.05.23	ISSUED FOR INFORMATION ONLY	K.KANG	K.KANG	C.SEXTON	D.POWELL

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PLAN OF SUB. NO. PS841640V/S16
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ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Q5 Plans
Q5 Catchment Plan
Layout Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-ID-311	02 of 04	A

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Drainage Computations

1 in 5 Year ARI - Hydrology

Member of the Surbana Jurong Group

Project: Alamora Estate
Stage: 8

Date: 8/05/2023
Revision: A

Pit	Pit Type	Setout Easting	Northing	RL	Catch ID	Tc	Intensity	CofR	Area	Ae	Sum Ae	Approach Flow
		(m)	(m)	(m)		(min)	(mm/hr)		(ha)	(ha)	(ha)	l/s
08-07	DSEP	291878.7	5808309	42.82	1P	5	84.18	0.57	0.0565	0.0322	0.0322	7.5
08-08	DSEP	291871.7	5808318	42.88	1P	5	84.18	0.57	0.0592	0.0337	0.0662	15.5
					2P	5	84.18	0.64	0.0508	0.0325		
08-09	SEP	291815.7	5808326	43.16	1P	5	84.18	0.57	0.0482	0.0275	0.1258	29.4
					2P	5	84.18	0.64	0.1536	0.0983		
08-10	SEP	291768.7	5808333	43.4	1P	5	84.18	0.57	0.0311	0.0177	0.1771	41.4
					2P	5	84.18	0.64	0.249	0.1594		
08-12	ENDPIPE	291765.1	5808333	43.42								0
08-16	JP	291874.4	5808279	42.94								0
08-17	SEP	291871.3	5808256	43.04								0
08-18	DSEP	291862.1	5808249	42.87	1P	5	84.18	0.57	0.0596	0.034	0.034	7.9
08-19	DSEP	291860.9	5808241	42.87	1P	5	84.18	0.57	0.0603	0.0344	0.0592	13.8
					2P	5	84.18	0.64	0.0387	0.0248		
08-27	SEP	291804.2	5808249	43.28	2P	5	84.18	0.64	0.1452	0.0929	0.0929	21.7
08-28	DSEP	291795	5808242	43.19	1P	5	84.18	0.57	0.0706	0.0402	0.0402	9.4
08-29	DSEP	291786.6	5808243	43.19	1P	5	84.18	0.57	0.072	0.041	0.041	9.6
08-32	JP	291783	5808217	43.37								0
08-33	JP	291780	5808196	43.52	2P	5	84.18	0.64	0.0896	0.0573	0.0573	13.4
08-30	SEP	291779.7	5808252	43.46	1P	5	84.18	0.57	0.0421	0.024	0.0524	12.2
					2P	5	84.18	0.64	0.0444	0.0284		
08-31	SEP	291749.9	5808256	43.69	2P	5	84.18	0.64	0.0392	0.0251	0.0251	5.9
08-25	SEP	291867.8	5808232	43.17	1P	5	84.18	0.57	0.0464	0.0265	0.0265	6.2
08-26	JP	291863.8	5808203	43.31	2P	5	84.18	0.64	0.0544	0.0348	0.0348	8.1
08-23	SEP	291879.7	5808255	43.06	1P	5	84.18	0.57	0.0668	0.0381	0.0381	8.9
08-24	GP	291887.3	5808266	43.21	1P	5	84.18	0.57	0.0446	0.0254	0.0254	5.9
07-16	SEP	292114.6	5808163	43.03	1P	5	84.18	0.57	0.0153	0.0087	0.0087	2
08-36	JP	291915.2	5808234	43.45								0
08-37	JP	291911.4	5808231	43.51	2P	5	84.18	0.64	0.0801	0.0513	0.0513	12
08-38	JP	291905.6	5808189	43.76	2P	5	84.18	0.64	0.216	0.1382	0.1382	32.3
08-01	SEP	291903.1	5808316	43.02	1P	5	84.18	0.57	0.0859	0.049	0.049	11.5
08-02	SEP	291898.7	5808309	43.02	1P	5	84.18	0.57	0.0577	0.0329	0.0329	7.7
08-03	SEP	291934.2	5808271	43.29	1P	5	84.18	0.57	0.048	0.0274	0.1007	23.6
					2P	5	84.18	0.64	0.1146	0.0734		
08-04	JP	291964.7	5808235	43.45	2P	5	84.18	0.64	0.1622	0.1038	0.1038	24.3
08-05	SEP	291940.5	5808276	43.29	1P	5	84.18	0.57	0.0745	0.0424	0.0424	9.9
08-13	DSEP	291872.9	5808326	42.87	1P	5	84.18	0.57	0.1371	0.0782	0.0782	18.3
08-14	SEP	291816.9	5808334	43.16	1P	5	84.18	0.57	0.0729	0.0415	0.0415	9.7
08-15	SEP	291769.9	5808341	43.39	1P	5	84.18	0.57	0.0466	0.0266	0.0266	6.2
08-20	JP	291857.8	5808281	43.26	2P	5	84.18	0.64	0.0387	0.0248	0.0248	5.8
08-21	JP	291858.1	5808283	43.25								0
08-22	JP	291762	5808296	43.86	2P	5	84.18	0.64	0.3975	0.2544	0.2544	59.5
08-35	SEP	291805.4	5808257	43.28	1P	5	84.18	0.57	0.062	0.0353	0.0353	8.3
08-34	JP	291791.5	5808216	43.37	2P	5	84.18	0.64	0.0512	0.0328	0.0328	7.7
08-06	DSEP	291886.5	5808304	42.82	1P	5	84.18	0.57	0.0571	0.0325	0.0325	7.6

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Wyndham City Council
Q5 Plans
Q5 Catchment Plan
Hydrology Calculations

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-ID-331	03 of 04	A

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Drainage Computations

1 in 5 Year ARI - Hydraulics

Project: Alamora Estate
Stage: 8

Date: 8/05/2023
Revision: A

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Pipe	Pipe Length (m)	Pipe Size (mm)	Pipe Grade (1 in)	Tc (min)	Intensity (mm/hr)	Sum Ae (ha)	Pipe Flow (l/s)	Pipe Capacity (l/s)	Q/Qf	Capacity Velocity (m/s)	Cover Min (m)	US Pit Ku	Pipe V'head (m)	P'head Loss (m)	Pipe T'head Loss (m)	US pit HGL (m)	Pipe US HGL (m)	Pipe DS HGL (m)	DS Pit HGL (m)	HGL Slope (%)	HGL Grade (1 in)	Freeboard US (m)
8-7 to 7-12	36	586	395.3	8.78	66.96	1.4217	264.4	290.1	0.91	1.08	0.78	1.26	0.05	0.06	0.08	42.12	42.05	41.98	42.12	0.21	475.8	0.7
8-8 to 8-7	11.82	375	215.1	6.98	73.81	0.5154	105.7	119.6	0.88	1.08	1.17	1.07	0.05	0.05	0.04	42.21	42.16	42.11	42.21	0.36	275.6	0.67
8-9 to 8-8	56.54	375	302.3	5.95	78.75	0.371	81.2	100.9	0.8	0.91	1	1.35	0.03	0.04	0.12	42.36	42.33	42.21	42.36	0.21	467.2	0.8
8-10 to 8-9	47.45	300	203.8	5.12	83.47	0.2036	47.2	67.8	0.7	0.96	1.1	4.25	0.02	0.1	0.11	42.58	42.48	42.36	42.58	0.24	419.8	0.82
8-12 to 8-10	3.63	300	39.1				0	154.8	0	2.19	1.1	0.5	0	0	0	42.57	42.57	42.57	42.57	0	1000000	0.84
8-16 to 8-7	30.84	525	500	8.2	68.97	0.8742	167.5	192.4	0.87	0.89	1.03	0.39	0.03	0.01	0.05	42.17	42.16	42.11	42.17	0.15	659.9	0.77
8-17 to 8-16	22.75	450	500	7.73	70.77	0.595	117	127.6	0.92	0.8	1.15	0.84	0.03	0.02	0.04	42.23	42.21	42.17	42.23	0.17	594.7	0.81
8-18 to 8-17	11.66	450	300	7.54	71.53	0.5314	105.6	164.7	0.64	1.04	1.02	0.34	0.02	0.01	0.02	42.26	42.25	42.23	42.26	0.14	729.7	0.61
8-19 to 8-18	8.5	355	227.3	7.41	72.09	0.4975	99.6	100.5	0.99	1.02	0.81	1.66	0.05	0.09	0.04	42.39	42.29	42.26	42.39	0.43	231.4	0.48
8-27 to 8-19	57.34	375	429.9	6.16	77.71	0.377	81.4	84.6	0.96	0.77	0.96	1.44	0.03	0.04	0.12	42.54	42.5	42.38	42.54	0.22	464.4	0.73
8-28 to 8-27	11.63	300	203.2	5.96	78.71	0.2488	54.4	67.9	0.8	0.96	1.14	1.08	0.03	0.03	0.04	42.61	42.58	42.54	42.61	0.32	316.2	0.58
8-29 to 8-28	8.5	300	231.1	5.8	79.61	0.2086	46.1	63.6	0.72	0.9	0.86	1.49	0.02	0.03	0.02	42.67	42.63	42.61	42.67	0.23	439.8	0.52
8-32 to 8-29	26.1	300	231.1	5.31	82.38	0.0901	20.6	63.6	0.32	0.9	0.99	0.42	0	0	0.01	42.68	42.68	42.66	42.68	0.05	2201.1	0.69
8-33 to 8-32	21.58	300	143.6	5	84.18	0.0573	13.4	80.7	0.17	1.14	1	6.2	0	0.01	0	42.69	42.68	42.68	42.69	0.02	5205.2	0.83
8-30 to 8-29	11.79	300	108.5	5.43	81.74	0.0774	17.6	92.9	0.19	1.31	0.98	3.25	0	0.01	0	42.68	42.67	42.66	42.68	0.03	3026.9	0.78
8-31 to 8-30	30.1	300	135.6	5	84.18	0.0251	5.9	83.1	0.07	1.18	1.1	9.7	0	0	0	42.68	42.68	42.68	42.68	0	27194.7	1.01
8-25 to 8-19	11.79	300	177.8	5.5	81.29	0.0613	13.8	72.5	0.19	1.03	1.02	1.69	0	0	0	42.39	42.38	42.38	42.39	0.02	4887.8	0.78
8-26 to 8-25	28.85	300	206.4	5	84.18	0.0348	8.1	67.3	0.12	0.95	1.2	4.72	0	0	0	42.39	42.39	42.39	42.39	0.01	14120.8	0.92
8-23 to 8-17	8.66	300	57.8	5.11	83.55	0.0635	14.7	127.2	0.12	1.8	0.9	3.01	0	0.01	0	42.24	42.24	42.23	42.24	0.02	4306.4	0.82
8-24 to 8-23	13.43	300	44.8	5	84.18	0.0254	5.9	144.6	0.04	2.04	0.9	7	0	0	0.05	42.29	42.29	42.24	42.29	0.37	272.1	0.92
8-36 to 7-25	41.97	300	231.1	5.56	80.96	0.1895	42.6	63.6	0.67	0.9	0.98	1.99	0.02	0.04	0.08	42.5	42.46	42.38	42.5	0.19	515.5	0.94
8-37 to 8-36	5.04	300	76.8	5.51	81.27	0.1895	42.8	110.4	0.39	1.56	0.9	1.72	0.02	0.03	0.06	42.58	42.55	42.5	42.58	1.1	90.9	0.92
8-38 to 8-37	41.97	300	99.3	5	84.18	0.1382	32.3	97.1	0.33	1.37	0.7	7	0.01	0.07	0.44	43.1	43.02	42.58	43.1	1.05	95.3	0.66
8-1 to 7-12	16.26	375	200	6.99	73.77	0.3614	74	124	0.6	1.12	1.26	0.33	0.02	0.01	0.03	42.01	42	41.98	42.01	0.18	561.1	1.01
8-2 to 8-1	8.2	300	203.1	6.85	74.44	0.3124	64.6	67.9	0.95	0.96	1.08	1.52	0.04	0.06	0.04	42.12	42.05	42.01	42.12	0.45	224.3	0.9
8-3 to 8-2	52.29	300	231.1	5.88	79.15	0.247	54.3	63.6	0.85	0.9	1.11	1.67	0.03	0.05	0.16	42.33	42.28	42.11	42.33	0.32	317.4	0.96
8-4 to 8-3	47.49	300	231.1	5	84.18	0.1038	24.3	63.6	0.38	0.9	1.05	9.7	0.01	0.06	0.03	42.42	42.36	42.33	42.42	0.06	1588.9	1.03
8-5 to 8-3	8.2	300	65.4	5	84.18	0.0424	9.9	119.6	0.08	1.69	0.9	7	0	0.01	0	42.34	42.33	42.33	42.34	0.01	9500.3	0.95
8-13 to 8-8	8.2	300	79.8	5	84.18	0.0782	18.3	108.3	0.17	1.53	0.9	3.79	0	0.01	0	42.22	42.21	42.21	42.22	0.04	2801.6	0.65
8-14 to 8-9	8.2	300	83.3	5	84.18	0.0415	9.7	106	0.09	1.5	0.95	4.38	0	0	0	42.37	42.37	42.36	42.37	0.01	9922.4	0.79
8-15 to 8-10	8.2	300	155.2	5	84.18	0.0266	6.2	77.7	0.08	1.1	0.95	4.59	0	0	0	42.58	42.57	42.57	42.58	0	24241.5	0.82
8-20 to 8-16	16.75	300	36.7	6.47	76.24	0.2792	59.1	159.8	0.37	2.26	0.96	2.14	0.04	0.08	0.09	42.35	42.26	42.17	42.35	0.51	194.7	0.9
8-21 to 8-20	2	300	231	6.43	76.42	0.2544	54	63.6	0.85	0.9	0.9	2.09	0.03	0.06	0.01	42.42	42.34	42.33	42.42	0.31	320.9	0.83
8-22 to 8-21	97	300	146.8	5	84.18	0.2544	59.5	79.8	0.75	1.13	0.8	6.01	0.04	0.22	0.62	43.24	43.03	42.4	43.24	0.64	155.3	0.62
8-35 to 8-27	8.68	300	52.4	5	84.18	0.0353	8.3	133.7	0.06	1.89	0.9	4.28	0	0	0	42.55	42.54	42.54	42.55	0.01	13714	0.73
8-34 to 8-32	8.55	288	231	5	84.18	0.0328	7.7	57.1	0.13	0.88	0.8	4.58	0	0	0	42.68	42.68	42.68	42.68	0.01	12822.2	0.69
8-6 to 8-2	13.4	300	102.8	5	84.18	0.0325	7.6	95.4	0.08	1.35	0.9	6.3	0	0	0	42.12	42.11	42.11	42.12	0.01	16173	0.7

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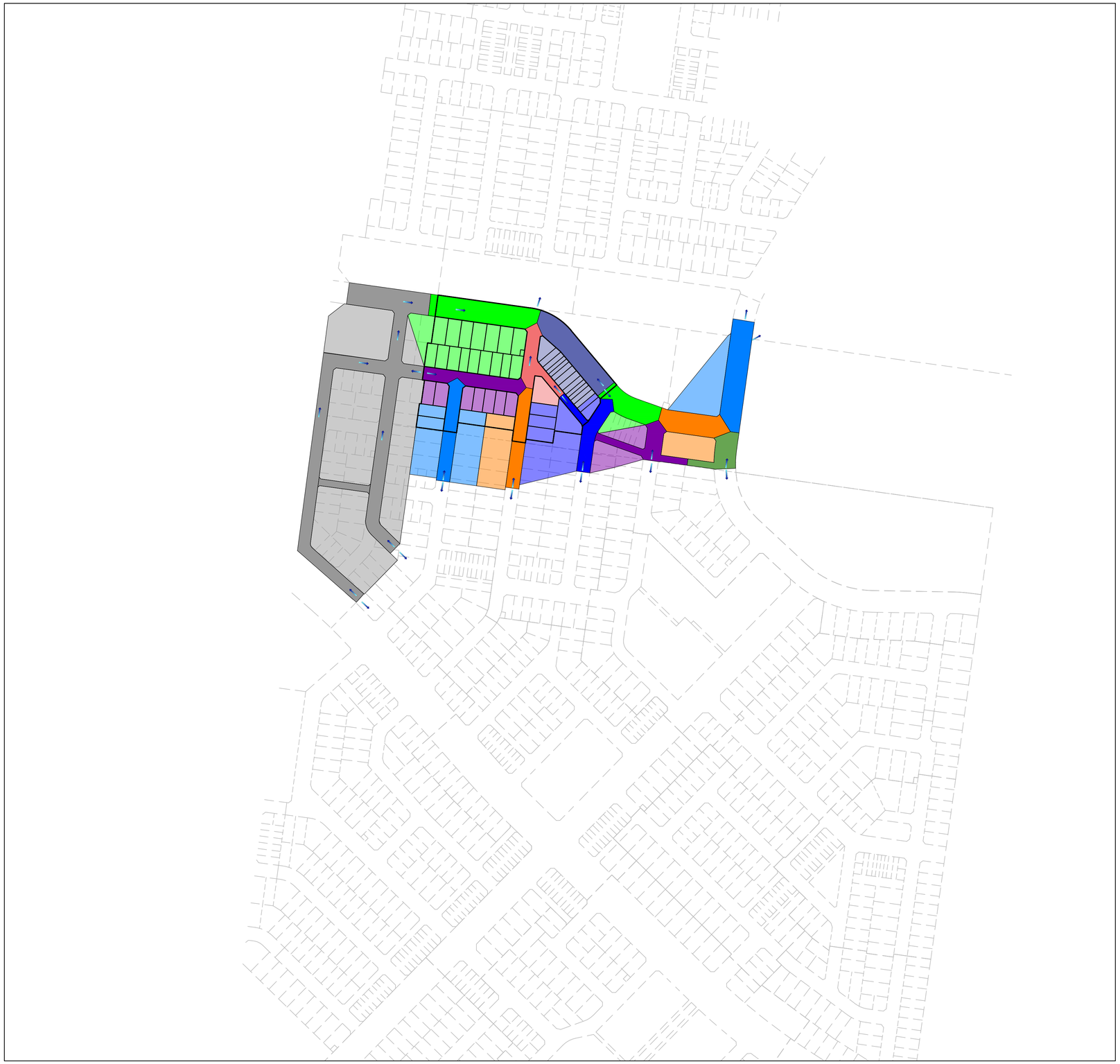
ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Q5 Plans
Q5 Catchment Plan
Hydraulic Calculations

MELWAYS REF 234 D6 | PROJECT / DRAWING No. 2070E-A08-ID-332 | SHEET No. 04 of 04 | REVISION A

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-ID-332.dwg PRINTED BY: KK16460 on 02/08/2023 at 10:19:41 AM



ALAMORA STAGE 08

Drawing Index

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ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Q100 Plans
Q100 Catchment Plan
Cover Sheet

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-ID-351	01 of 06	A

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-ID-351.dwg PRINTED BY: KK16460 on 02/08/2023 at 10:19:58 AM

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ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Q100 Plans
Q100 Catchment Plan
Layout Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-ID-361	02 of 06	A

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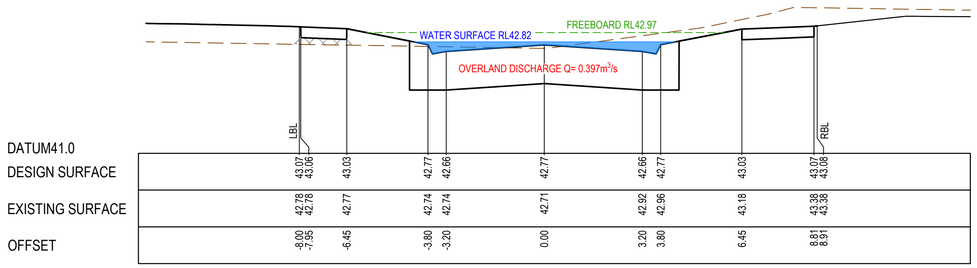
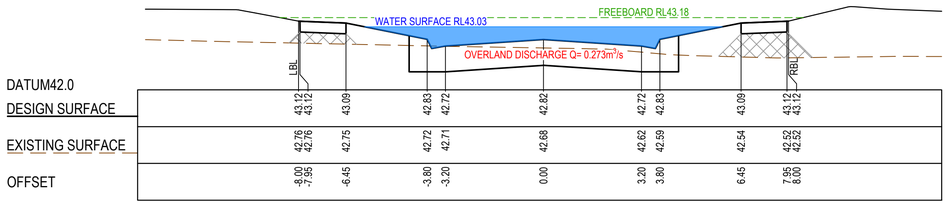


COMARES DRIVE CH 185.72
NODE 13



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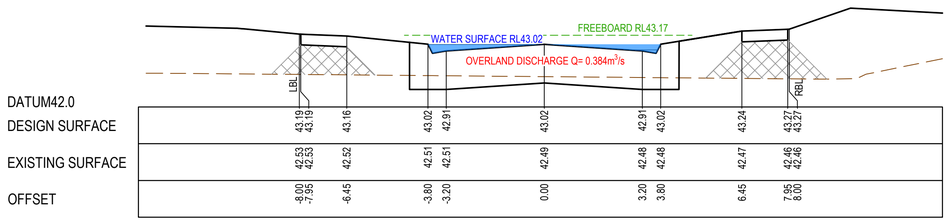
NODE 10



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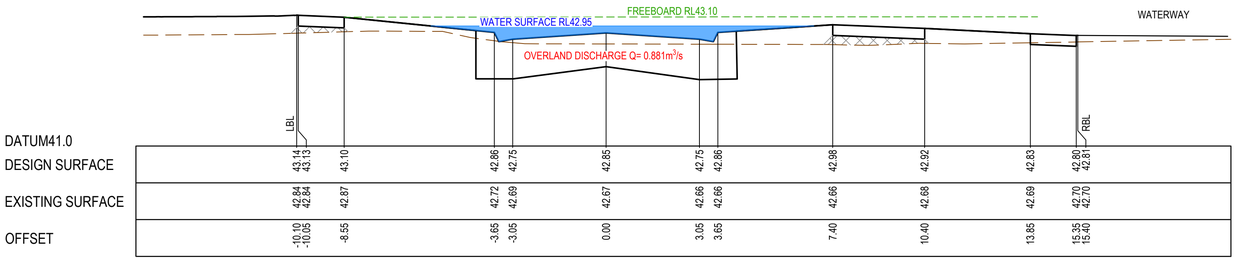
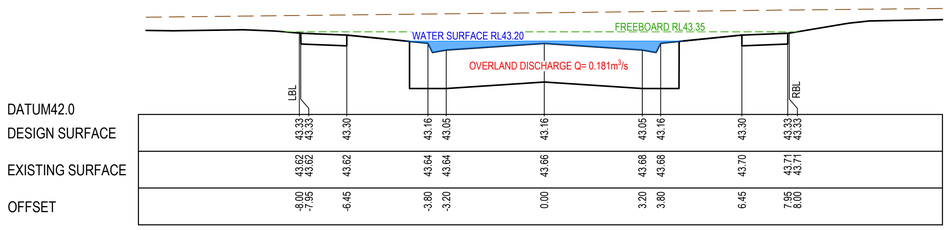
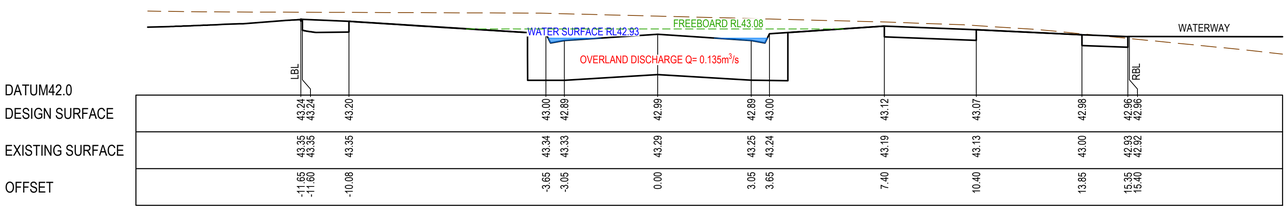
NODE 12



TIERRA BOULEVARD CH 287.57
NODE 15



TUSCANY AVENUE CH 11.80
NODE 9



TIERRA BOULEVARD CH 258.66
NODE 16

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	08.05.23	ISSUED FOR INFORMATION ONLY	K.KANG	K.KANG	C.SEXTON	D.POWELL

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ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Q100 Plans
Q100 Catchment Plan Sections

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-ID-362	03 of 06	A

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A08\Dwgs\2070E-A08-ID-362.dwg PRINTED BY: KK16460 on 02/08/2023 at 10:20:28 AM

Project:	Alamora Estate
Job No.:	2070E-A08
Council:	WYNDHAM
Region:	SOUTH WEST / WEST REGION
C`10:	0.15445632
Design Standard:	**GAA**

Road Zone Category 2: Secondary and local roads.
Residential high: High densities. (Allotment size <450m2)
Health & Community: Hospitals.

Prepared by:	K.KANG
Revision:	A
Date:	07.02.23

ZONE	Roads	Residential	Public Land
LAND USE	Road Zone Category 2	Residential high	Health & Community
ZONE ID	RDZ2	R2Z2	PU3Z

FREQUENCY FACTOR \ FRACTION IMPER	0.60	0.80	0.70
C5	0.57	0.71	0.64
C10	0.60	0.75	0.68
C100	0.72	0.90	0.81

				Sub Area
CATCHMENT AREAS	ha	ha	ha	ha
A	0.125	0.233		0.36
B	0.167	0.066		0.23
C	0.164	0.084		0.25
D	0.193	0.176		0.37
E	0.131			0.13
F	0.322		0.31	0.63
G	0.294	0.232		0.53
H	1.30	2.52		3.82
I	0.55	0.19		0.74
J	0.27	0.18		0.45
K	0.30	0.19		0.48
L		0.16		0.16
M	0.85	0.32		1.17

						TIME OF CONCENTRATION			**5 YEAR FLOW**			**100 YEAR FLOW**				**GAP FLOW**
			RDZ2	**R2Z2**	**PU3Z**	**Total Area**	**Critical Catchment**	**Calculated Tc**	**Adopted tc**	A_e	**I**	**Q**	A_e	**I**	**Q**	**PIPE ARI**	**EXCESS Q100 - 0.8QPIPE**
NODE	**DESCRIPTION**	**CONTRIBUTING CATCHMENTS**	**ha**	**ha**	**ha**	**ha**		**min**	**min**	**ha**	**mm/hr**	**m^3/s**	**ha**	**mm/hr**	**m^3/s**		**m^3/s**
1	**A07**	A	0.13	0.23		0.36	**1**	**7.0**	**7.0**	0.24	73.7	0.05	0.30	159.8	0.13	**5 YEAR FLOW**	0.094
2	**A07**	A+B	0.29	0.30		0.59	**1**	**10.0**	**10.0**	0.38	63.1	0.07	0.48	135.7	0.18	**5 YEAR FLOW**	0.128
3	**A07**	C	0.16	0.08		0.25	**3**	**6.8**	**6.8**	0.15	74.7	0.03	0.19	162.0	0.09	**5 YEAR FLOW**	0.062
4	**A07**	A+B+C	0.46	0.38		0.84	**2**	**13.0**	**13.0**	0.53	55.8	0.08	0.67	119.0	0.22	**5 YEAR FLOW**	0.157
5	**A07**	A+B+C+D	0.65	0.56		1.21	**4**	**17.4**	**17.4**	0.77	48.0	0.10	0.97	101.7	0.27	**5 YEAR FLOW**	0.192
6	**A07**	E	0.13			0.13	**6**	**6.4**	**6.4**	0.07	76.4	0.02	0.09	165.9	0.04	**5 YEAR FLOW**	0.031
7	**A07**	A+B+C+D+E	0.78	0.56		1.34	**5**	**21.8**	**21.8**	0.84	42.5	0.10	1.07	89.4	0.26	**5 YEAR FLOW**	0.185
8	**OUTLET**	A+B+C+D+E+F	1.10	0.56	0.31	1.97	**7**	**28.2**	**28.2**	1.23	36.7	0.13	1.55	76.6	0.33	**5 YEAR FLOW**	0.230
9	**A08**	I	0.55	0.19		0.74	**9**	**6.8**	**6.8**	0.45	74.8	0.09	0.57	162.4	0.26	**5 YEAR FLOW**	0.181
10	**A08**	I+J	0.81	0.38		1.19	**9**	**8.1**	**8.1**	0.73	69.4	0.14	0.93	149.9	0.39	**5 YEAR FLOW**	0.273
11	**A08**	K	0.30	0.19		0.48	**11**	**6.8**	**6.8**	0.30	74.6	0.06	0.38	161.8	0.17	**5 YEAR FLOW**	0.121
12	**A08**	I+J+K	1.11	0.56		1.67	**10**	**8.1**	**8.1**	1.04	69.3	0.20	1.31	149.6	0.54	**5 YEAR FLOW**	0.384
13	**A08**	I+J+K+L	1.11	0.72		1.83	**12**	**9.4**	**9.4**	1.15	65.0	0.21	1.45	139.9	0.56	**5 YEAR FLOW**	0.397
14	**A08**	H	1.30	2.52		3.82	**14**	**13.3**	**13.3**	2.54	55.1	0.39	3.21	117.5	1.05	**5 YEAR FLOW**	0.737
15	**A08**	H+M	2.15	2.84		5.00	**14**	**15.2**	**15.2**	3.26	51.6	0.47	4.12	109.7	1.25	**5 YEAR FLOW**	0.881
16	**A08**	G	0.29	0.23		0.53	**16**	**6.7**	**6.7**	0.33	75.0	0.07	0.42	162.7	0.19	**5 YEAR FLOW**	0.135
17	**OUTLET**	G+H+I+J+K+L+M	3.55	3.79		7.35	**14**	**13.4**	**13.4**	4.74	55.0	0.72	5.99	117.4	1.95	**5 YEAR FLOW**	1.372

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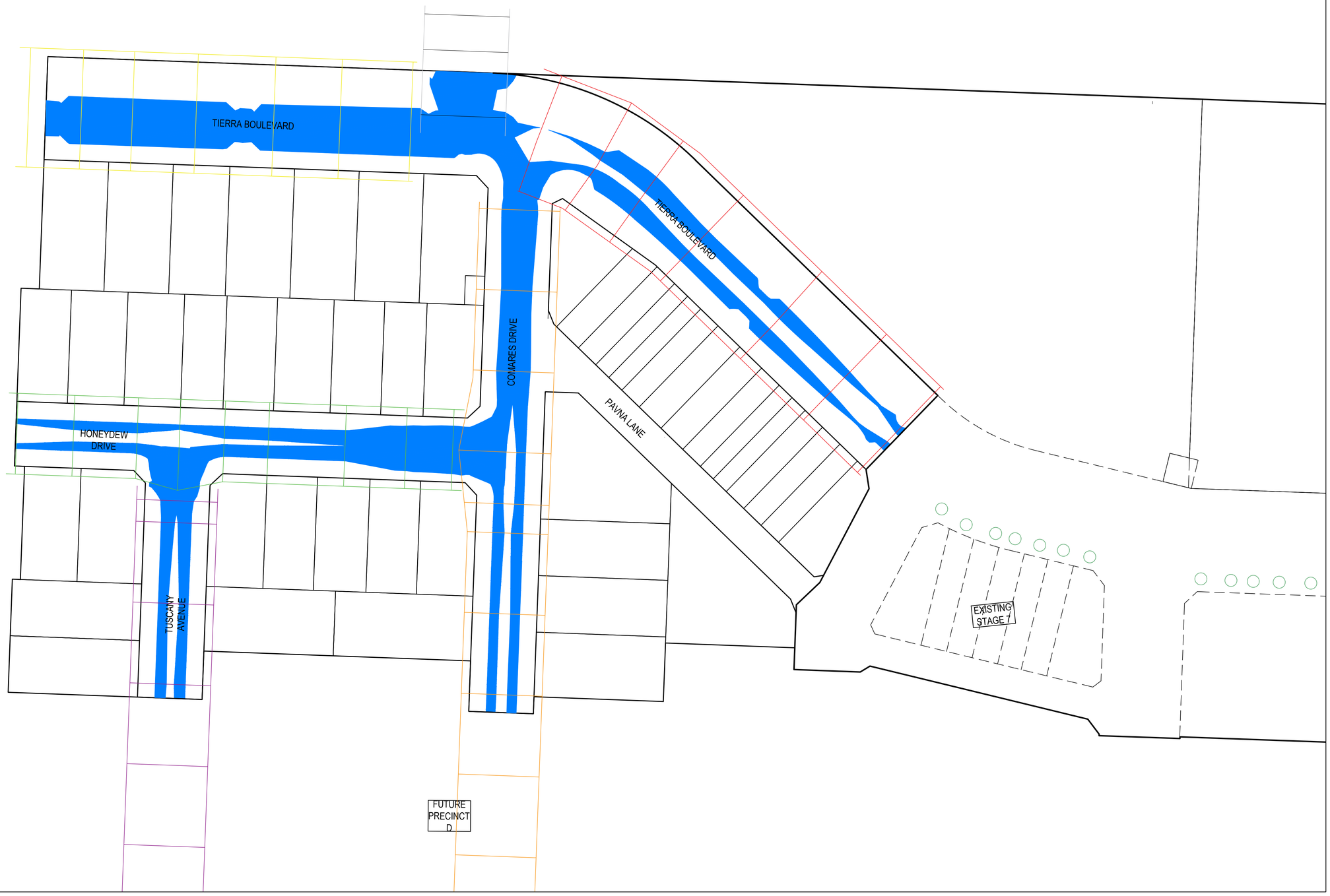
ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Q100 Plans
Q100 Catchment Plan
Calculations

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-ID-381	04 of 06	A



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ALAMORA Tarneit

Alamora - Stage 8, Sayers Road, Tarneit
Wyndham City Council
Q100 Plans
Q100 Catchment Plan
Flood Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-ID-391	05 of 06	A

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RUN A08 - 2070E ALAMORA ESTATE

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Vel Chnl	Flow Area	Top Width	Max Chl Dpth	Froude # Chl	L. Freeboard	R. Freeboard	Depth Avg	V.D
RUN08			(m3/s)	(m)	(m)	(m/s)	(m2)	(m)	(m)		(m)	(m)	(m)	(m2/s)
RUN08	3	178.31	0.02	43.52	43.59	0.27	0.07	2.84	0.07	0.53	0.35	0.26	0.025	0.007
RUN08	3	161.27	0.04	43.43	43.52	0.32	0.13	3.61	0.09	0.55	0.55	0.24	0.036	0.012
RUN08	3	141.27	0.06	43.33	43.43	0.38	0.16	4.15	0.1	0.61	0.59	0.23	0.039	0.015
RUN08	3	121.27	0.08	43.23	43.34	0.39	0.21	4.77	0.11	0.6	0.62	0.22	0.044	0.017
RUN08	3	101.27	0.09	43.13	43.23	0.47	0.19	4.59	0.1	0.73	0.63	0.23	0.041	0.019
RUN08	3	81.27	0.11	43.03	43.16	0.36	0.3	5.91	0.12	0.51	0.61	0.2	0.051	0.018
RUN08	3	74.06	0.12	43	43.1	0.63	0.19	4.7	0.1	1	0.63	0.22	0.040	0.025
RUN08	2	108.44	0.02	43.5	43.57	0.3	0.07	2.55	0.07	0.6	0.25	0.49	0.027	0.008
RUN08	2	94.42	0.08	43.39	43.49	0.41	0.2	4.75	0.1	0.64	0.22	0.48	0.042	0.017
RUN08	2	78.66	0.14	43.27	43.38	0.58	0.24	5.31	0.11	0.86	Intersection	0.49	0.045	0.026
RUN08	2	68.19	0.18	43.05	43.26	0.14	1.33	11.66	0.21	0.13	Intersection	0.55	0.114	0.016
RUN08	2	57.11	0.2	43.11	43.24	0.61	0.33	6.25	0.13	0.85	0.16	0.5	0.053	0.032
RUN08	2	46.19	0.21	43.03	43.16	0.64	0.33	6.18	0.13	0.88	0.2	0.51	0.053	0.034
RUN08	2	27.19	0.24	42.89	43.03	0.52	0.46	7.59	0.14	0.68	0.21	0.52	0.061	0.032
RUN08	2	12.12	0.26	42.77	43.04	0.17	1.57	11.18	0.27	0.14	0.21	0.41	0.140	0.024
RUN08	2	0.57	0.27	42.69	43.03	0.11	2.41	11.86	0.34	0.08	0.26	0.35	0.203	0.022
RUN08	5	95.61	0.74	43.26	43.44	0.96	0.77	8.85	0.18	1.03	0.26	Waterway	0.087	0.084
RUN08	5	82.5	0.76	43.19	43.36	0.67	1.13	11.67	0.17	0.69	0.28	Waterway	0.097	0.065
RUN08	5	69.86	0.78	43.13	43.29	0.75	1.04	11.66	0.16	0.8	0.28	Waterway	0.089	0.067
RUN08	5	54.11	0.8	43.05	43.22	0.71	1.12	11.69	0.17	0.73	0.27	Waterway	0.096	0.068
RUN08	5	34.89	0.83	42.95	43.13	0.7	1.19	11.7	0.18	0.7	0.27	Waterway	0.102	0.071
RUN08	5	18.48	0.85	42.87	43.04	0.76	1.12	11.67	0.17	0.78	0.27	Waterway	0.096	0.073
RUN08	5	0.96	0.88	42.78	43.02	0.46	1.9	11.85	0.24	0.37	0.19	Waterway	0.160	0.074
RUN08	1.00	106.95	0.02	43.77	43.84	0.24	0.08	2.96	0.07	0.47	0.25	0.26	0.027	0.006
RUN08	1.00	86.95	0.05	43.63	43.72	0.33	0.15	4.12	0.09	0.55	0.23	0.24	0.036	0.012
RUN08	1.00	66.95	0.08	43.49	43.58	0.58	0.14	3.91	0.09	0.99	0.23	0.24	0.036	0.021
RUN08	1.00	46.95	0.11	43.35	43.47	0.38	0.29	5.78	0.12	0.54	0.2	0.22	0.050	0.019
RUN08	1.00	26.95	0.14	43.21	43.31	0.72	0.19	4.69	0.1	1.14	0.23	0.24	0.041	0.029
RUN08	1.00	6.95	0.17	43.07	43.21	0.43	0.4	6.9	0.14	0.57	0.19	0.21	0.058	0.025
RUN08	1.00	1.53	0.18	43.04	43.2	0.28	0.64	8.4	0.16	0.33	0.17	0.22	0.076	0.021
RUN08	4.00	117	0.02	43.28	43.37	0.13	0.16	4.3	0.09	0.21	0.37	0.25	0.037	0.005
RUN08	4.00	98.4	0.04	43.27	43.33	0.41	0.1	4.33	0.06	0.88	0.43	0.3	0.023	0.009
RUN08	4.00	76.7	0.06	43.16	43.25	0.25	0.24	7.05	0.09	0.44	0.32	0.27	0.034	0.009
RUN08	4.00	49.05	0.09	43.02	43.1	0.5	0.18	6.16	0.08	0.93	0.21	0.28	0.029	0.015
RUN08	4.00	31.31	0.11	42.93	43.04	0.27	0.4	9.41	0.11	0.42	Intersection	0.26	0.043	0.011
RUN08	4.00	17.78	0.12	42.86	42.96	0.64	0.19	4.59	0.1	1	Intersection	0.21	0.041	0.026
RUN08	4.00	1.64	0.14	42.66	42.77	0.27	0.53	7.64	0.11	0.32	Intersection	Waterway	0.069	0.019
RUN08	6.00	26.97	1.37	42.83	42.98	0.87	1.57	21.1	0.15	1.02	Waterway	Waterway	0.074	0.065
RUN08	6.00	10.81	0.5	42.76	42.85	0.43	1.17	21	0.09	0.58	Waterway	Waterway	0.056	0.024
RUN08	6.00	2.01	0.02	42.1	42.17	0.17	0.12	3.49	0.07	0.28	Waterway	Waterway	0.034	0.006
RUN08	A	61.27	0.38	42.73	43.03	0.17	2.29	14.03	0.3	0.13	0.64	Intersection	0.163	0.028
RUN08	A	41.27	0.39	42.83	43.01	0.53	0.74	8.54	0.18	0.58	0.28	0.19	0.087	0.046
RUN08	A	21.27	0.39	42.73	42.88	0.8	0.49	7.65	0.15	1.02	0.31	0.25	0.064	0.051
RUN08	A	1.27	0.4	42.63	42.85	0.38	1.07	9.09	0.22	0.35	0.27	0.24	0.118	0.045

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Ph 03 9514 1500

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Wyndham City Council
Q100 Plans
Q100 Catchment Plan
Freeboard Table

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D6	2070E-A08-ID-392	06 of 06	A

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