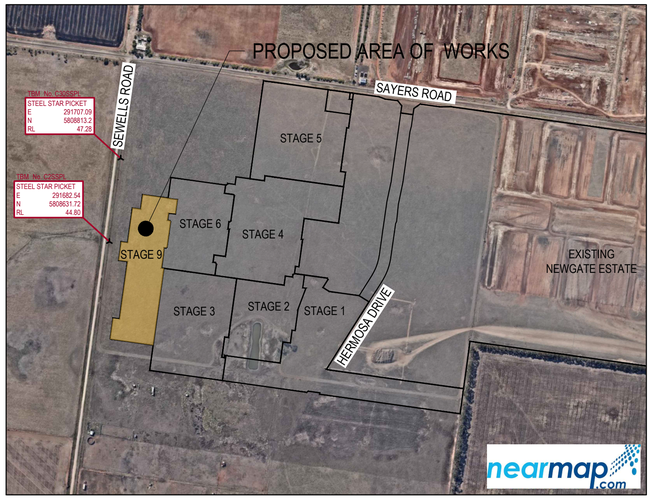
Alamora Estate

Stage 9, Sayers Road, Tarneit



Locality Plan

N.T.S

Drawing Index

SERVICES OFFSET TABLE					
ROAD NAME	GAS	WATER	RECYCLED WATER	ELECTRICITY	OPTIC FIBRE
	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)
ARAGON ROAD	2.10 N	3.10 N	2.60 N	1.00 S	0.30 S
FERONIA AVENUE	2.10 N	3.10 N	2.60 N	2.50 S	1.80 S
PROSECCO STREET	2.10 S	3.10 S	2.60 S	2.50 N	1.80 N
SOFRANO STREET	2.10 W	3.10 W	2.60 W	2.50 E	1.80 E

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
ARAGON ROAD	14.50	6.40	7.30	7.60	B2	B2	4.20	4.20
FERONIA AVENUE	16.00	6.40	7.30	7.60	B2	B2	4.20	4.20
PROSECCO STREET	16.00	6.40	7.30	7.60	B2	B2	4.20	4.20
SAFRANO STREET	16.00	6.40	7.30	7.60	B2	B2	4.20	4.20

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

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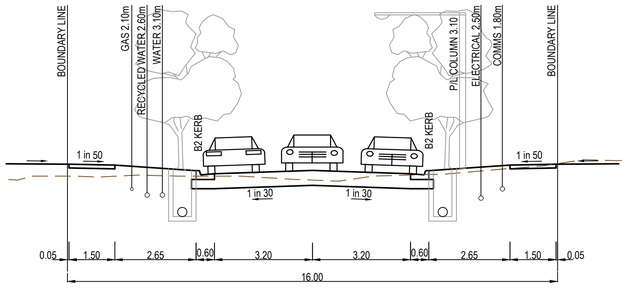
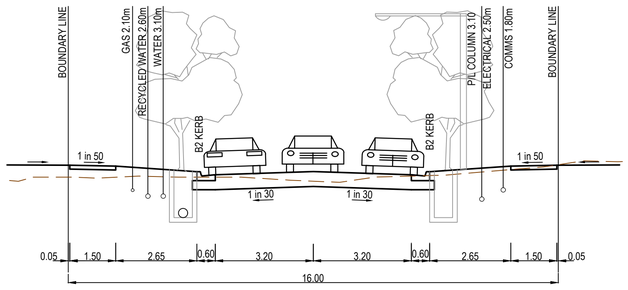
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

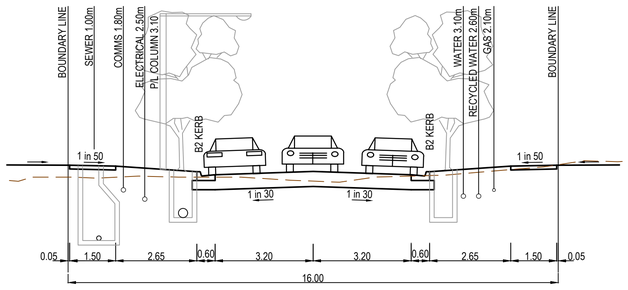
WARNING
SAFETY MEASURES REQUIRED
Please note there are risks attached to the construction of this project, and any ongoing maintenance of structures. Consider the safety of all. For potential risks, consequences and controls refer to Safety In Design Risk Register
SID P4.E6. 2070E-A06-85
ASSESS THE RISK - STAY SAFE



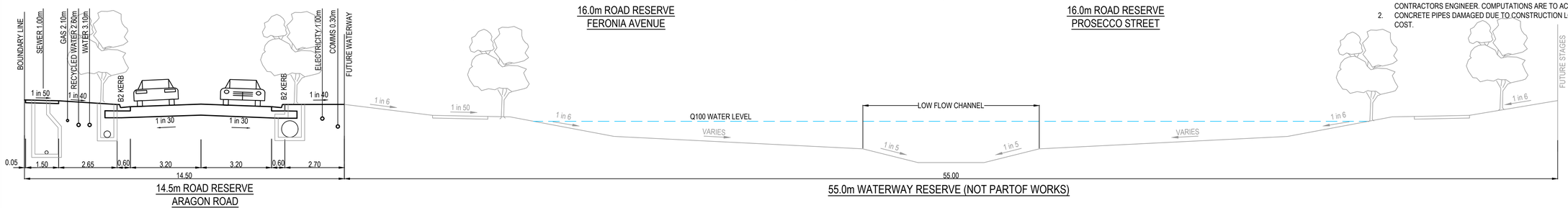
16.0m ROAD RESERVE
SAFRANO STREET



16.0m ROAD RESERVE
FERONIA AVENUE



16.0m ROAD RESERVE
PROSECCO STREET



14.5m ROAD RESERVE
ARAGON ROAD

55.0m WATERWAY RESERVE (NOT PARTOF WORKS)

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 478m
    TOTAL LENGTH OF DRAINS CONSTRUCTED IS 776m
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.

AS CONSTRUCTED PLANS

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PLAN OF SUB. NO.	PS841640V/S7
PERMIT REF. NO.	WYP10107_17.02

AS CONSTRUCTED

0 1 2 4
Scale 1:100
SCALE AS SHOWN AT A1

N

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Melbourne, VIC 3008
Ph 03 9514 1500

ALAMORA Tarneit

Alamora - Stage 9
Wyndham City Council
Road and Drainage
Cover Plan

MELWAYS REF.	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-101	01 of 16	1

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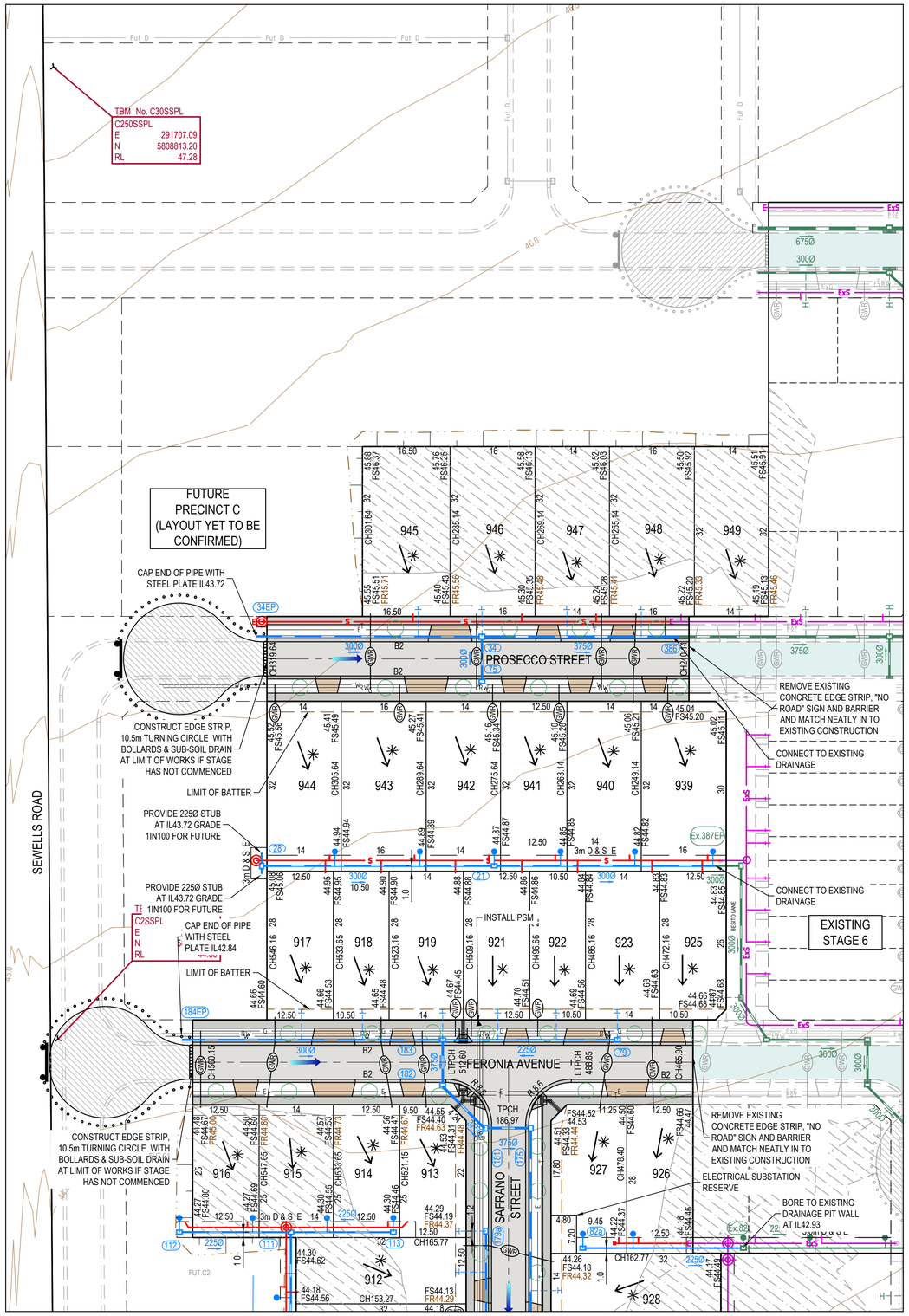
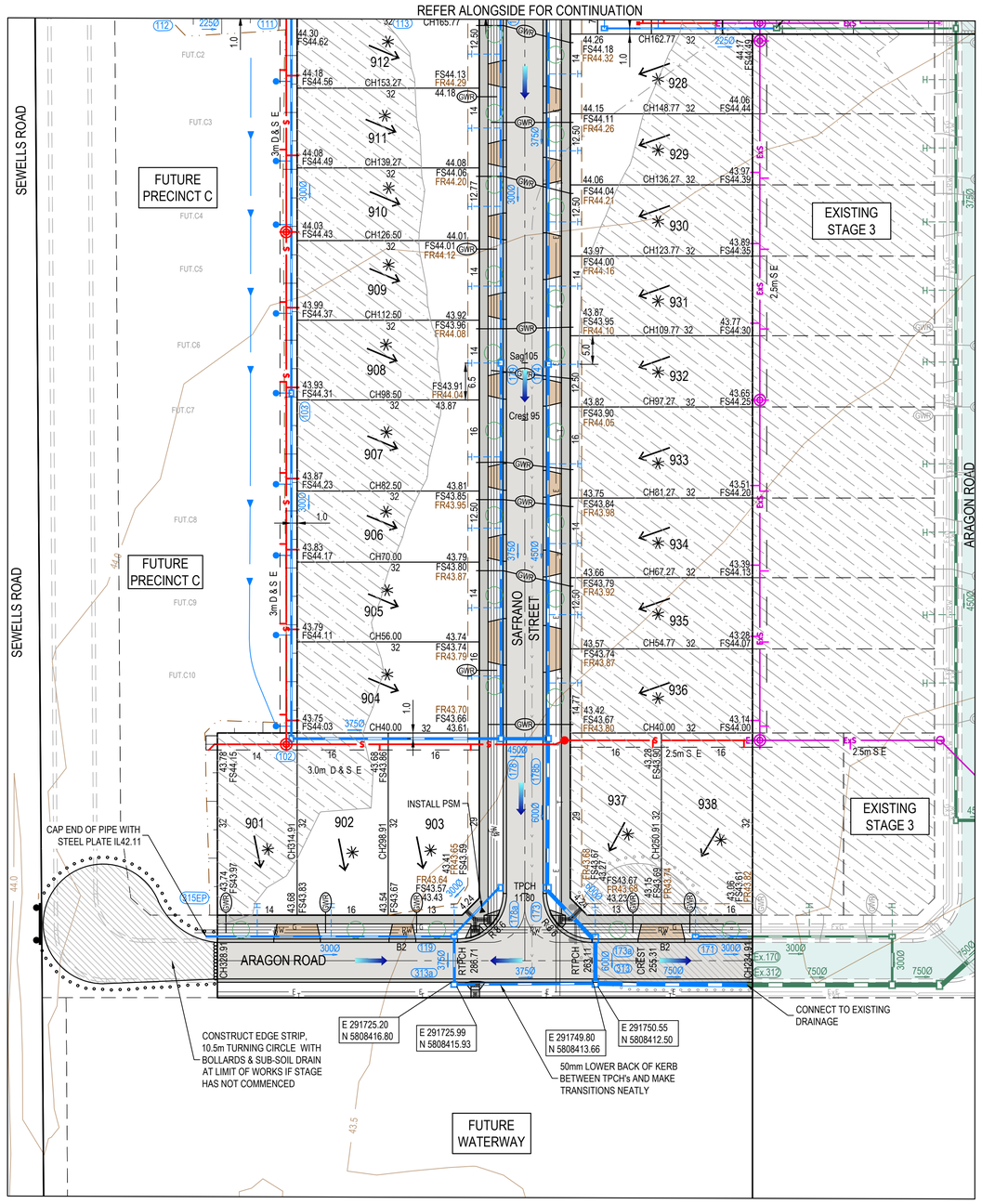
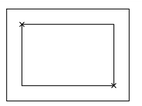




EASTINGS AND NORTHINGS FOR PITS IN UNDEVELOPED LAND REFERS TO PIT BASE, AS PER BELOW:



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
GW	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
GW	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
	3m DIAMETER TREE ZONE

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0 5 10 20
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Alamora - Stage 9
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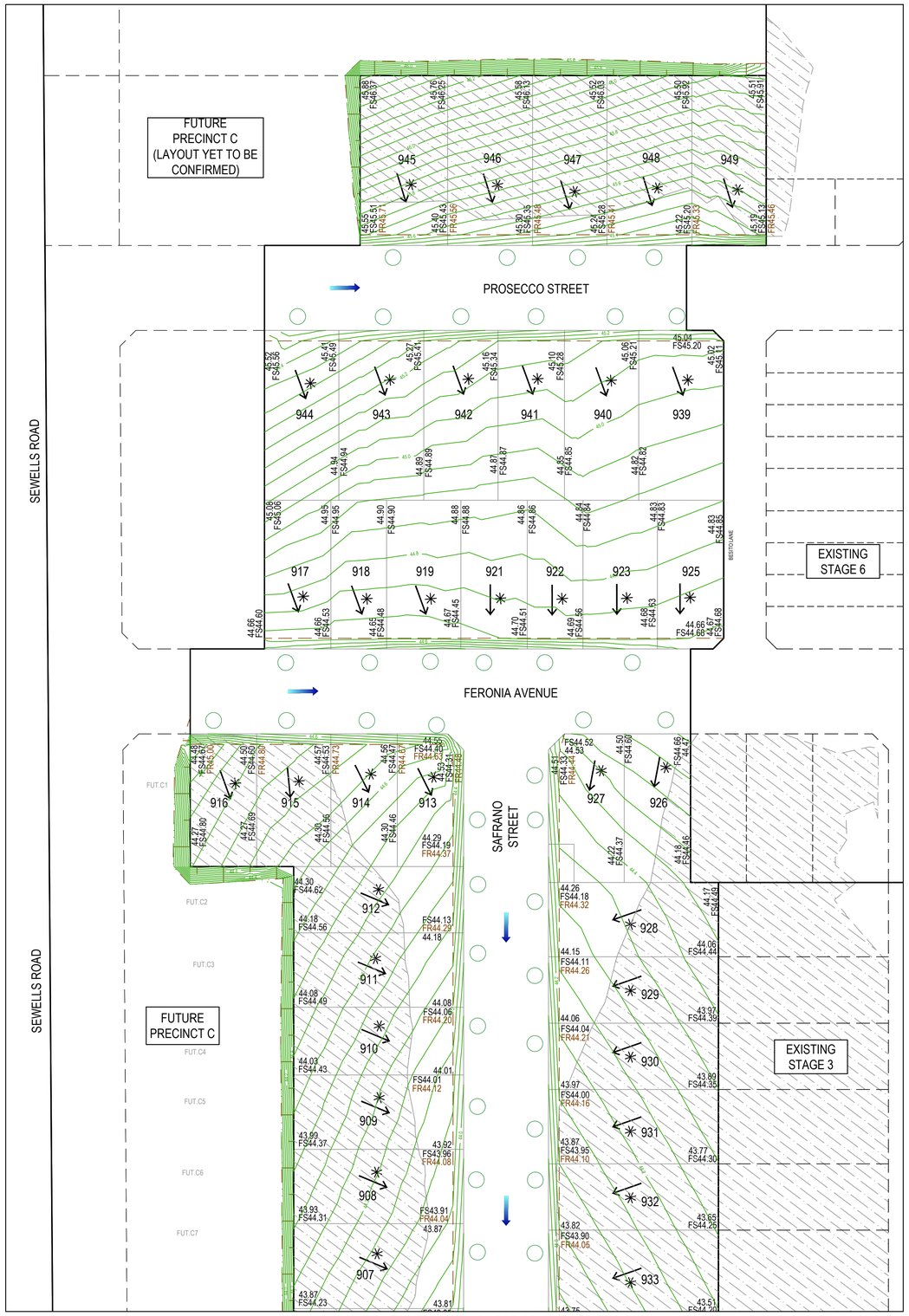
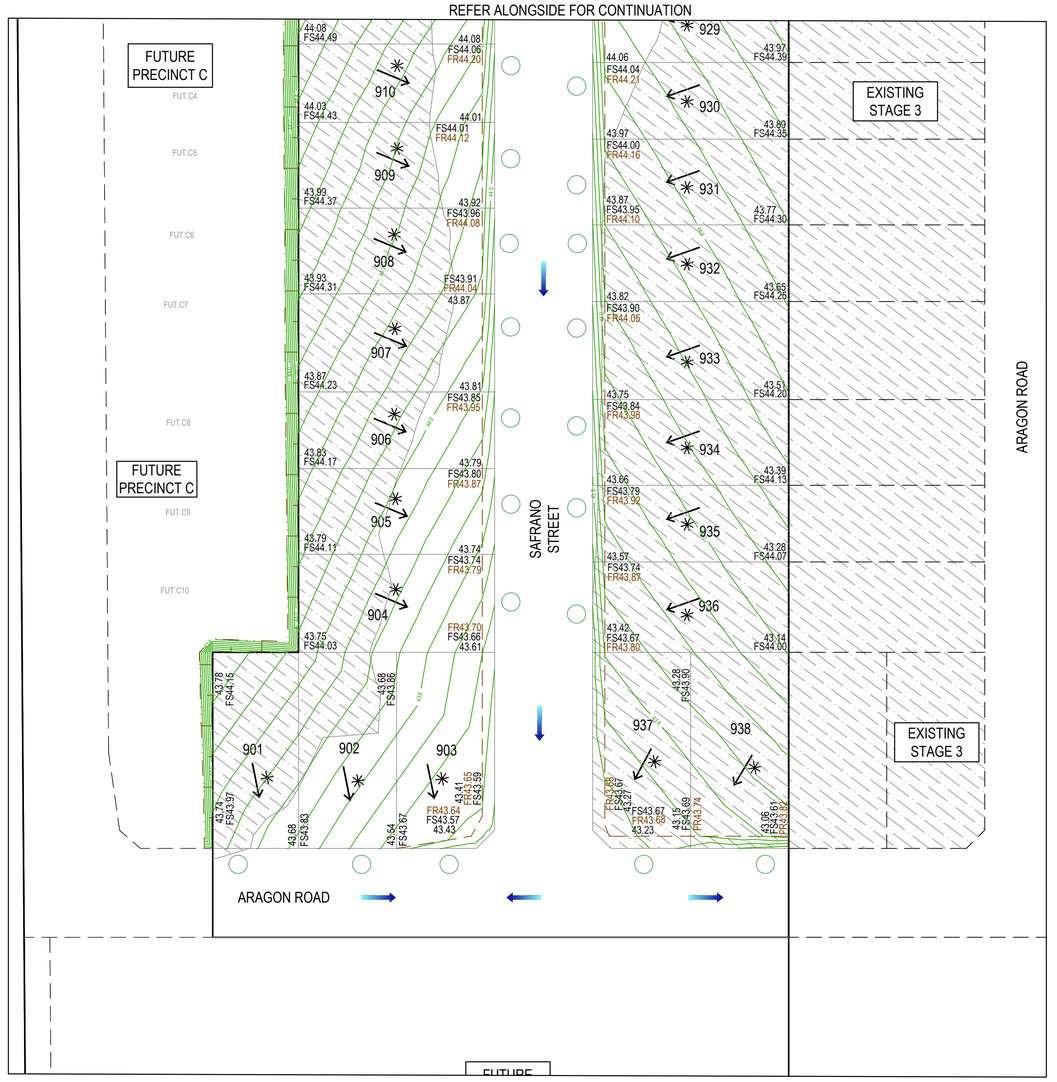
234 D5	2070E-A09-111	02 of 16	3





LEGEND - EARTHWORKS PLAN

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D	STORMWATER DRAIN, PIT & PROPERTY INLET
	SWALE DRAIN
S T	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
Ex D	EXISTING STORMWATER DRAIN
	EXISTING SWALE DRAIN
Ex S	EXISTING SEWER & MAINTENANCE STRUCTURES
Ex H	EXISTING HOUSE DRAIN
Ex E	EXISTING ELECTRICITY (UNDER GROUND)
Ex 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 SWALE DRAIN
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Fut O/H E	FUTURE ELECTRICITY OVERHEAD
Fut G	FUTURE GAS
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	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

PROPOSED SURFACE LEVELS SHOWN ARE SUBJECT TO CHANGE UPON DETAILED DESIGN AND THEREFORE SHOULD NOT BE RELIED ON AS FINAL SURFACE LEVELS

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0 5 10 20
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ALAMORA Tarneit

Alamora - Stage 9
Wyndham City Council
Road and Drainage
Earthworks Setout Plan

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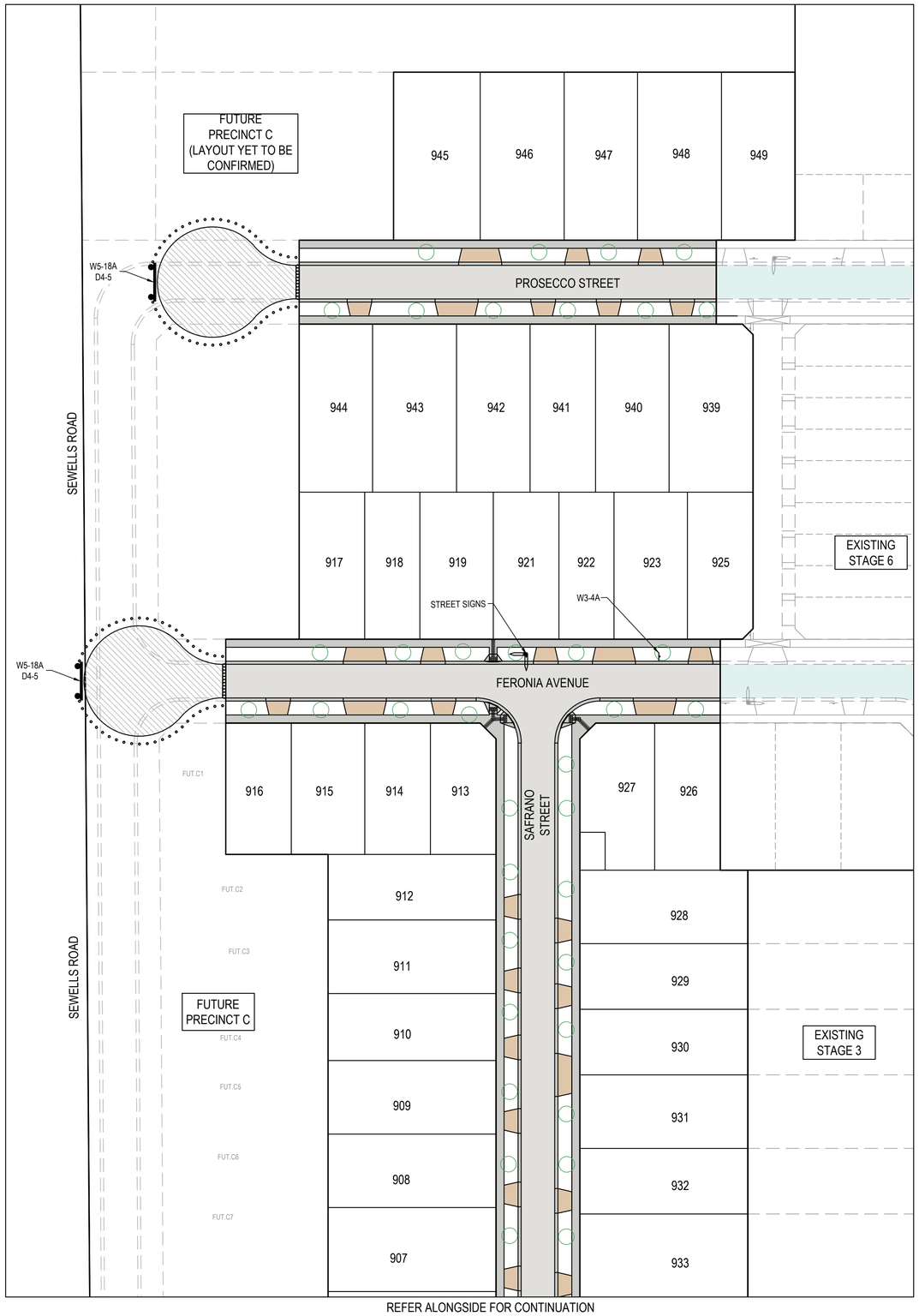

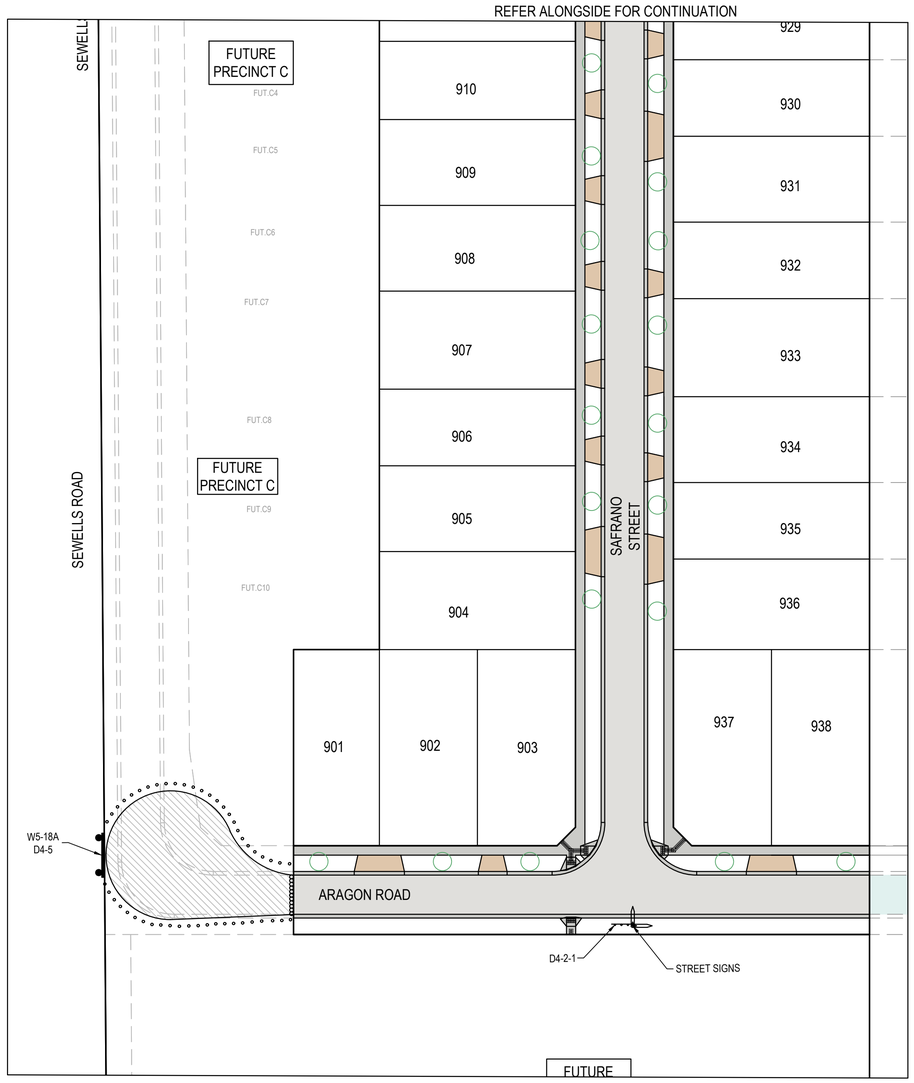

LEGEND - SIGN AND LINEMARKING
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

ROAD ENDS W5-18A	ROAD ENDS
D4-5	OBSTRUCTION MARKER
D4-2-1	TWO-WAY HAZARD MARKER
W3-4A	SPEED HUMP AHEAD

PROPOSED SURFACE LEVELS SHOWN ARE SUBJECT TO CHANGE UPON DETAILED DESIGN AND THEREFORE SHOULD NOT BE RELIED ON AS FINAL SURFACE LEVELS

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
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AS CONSTRUCTED PLANS
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PLAN OF SUB. NO.	PS841640V/S7
PERMIT REF. NO.	WYP10107_17.02

AS CONSTRUCTED

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

N

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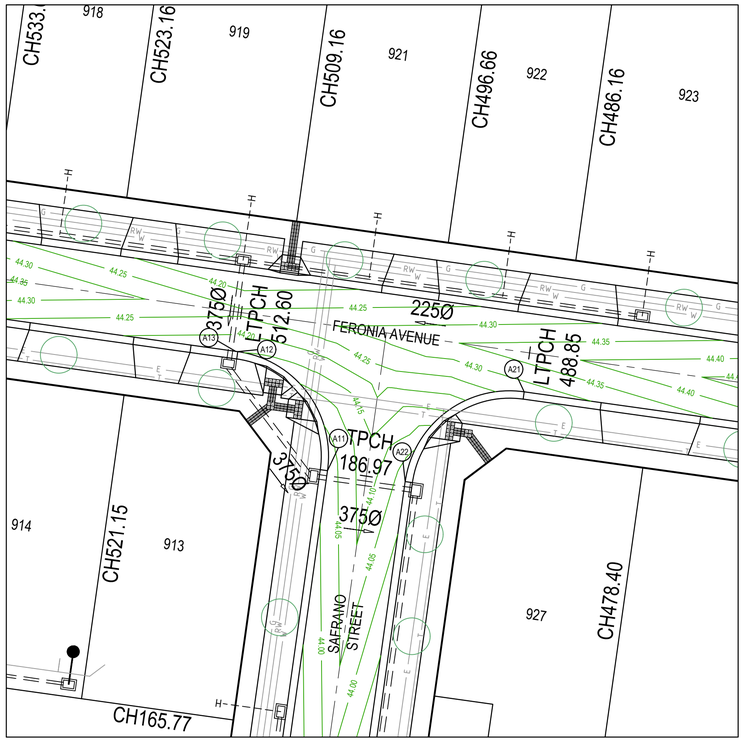
Melbourne, VIC 3008
Ph 03 9514 1500

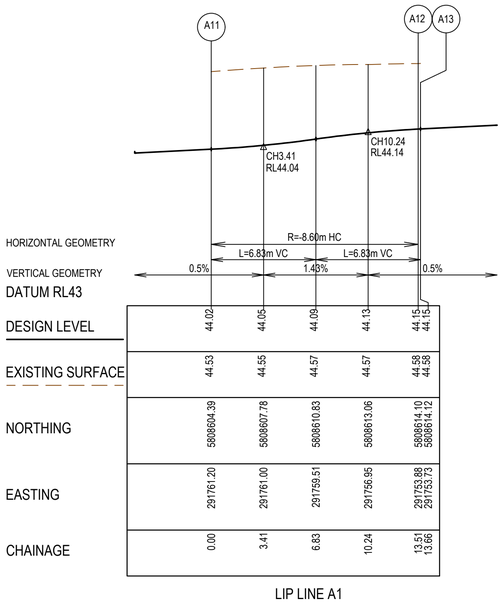
ALAMORA Tarneit

Alamora - Stage 9
Wyndham City Council
Road and Drainage
Signage & Linemarking Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-171	04 of 16	1

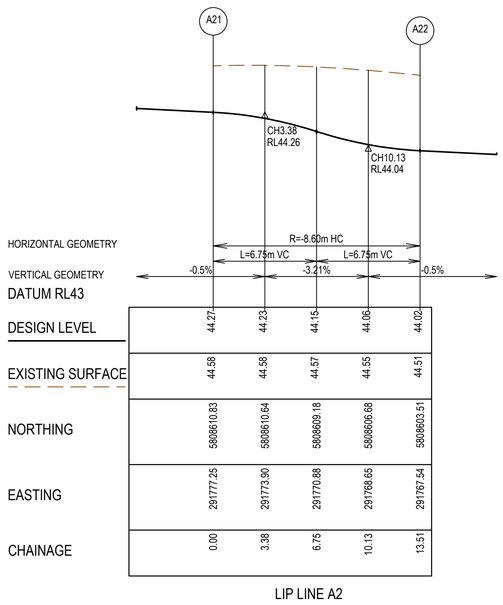
DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A09\Dwgs\2070E-A09-171.dwg PRINTED BY: KK16460 on 15/11/2022 at 09:16:43 AM





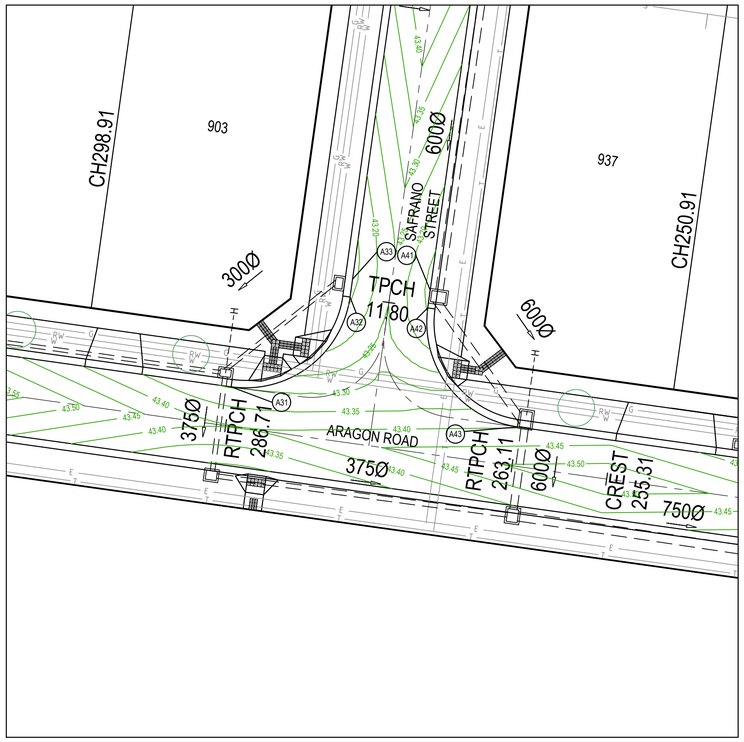
HORIZONTAL GEOMETRY						
VERTICAL GEOMETRY						
DATUM RL43						
DESIGN LEVEL	44.02	44.05	44.09	44.13	44.15	44.15
EXISTING SURFACE	44.53	44.55	44.57	44.57	44.58	44.58
NORTHING	5808604.39	5808607.78	5808610.83	5808613.06	5808614.10	5808614.12
EASTING	291761.20	291761.00	291759.51	291756.95	291753.88	291753.73
CHAINAGE	0.00	3.41	6.83	10.24	13.51	13.66

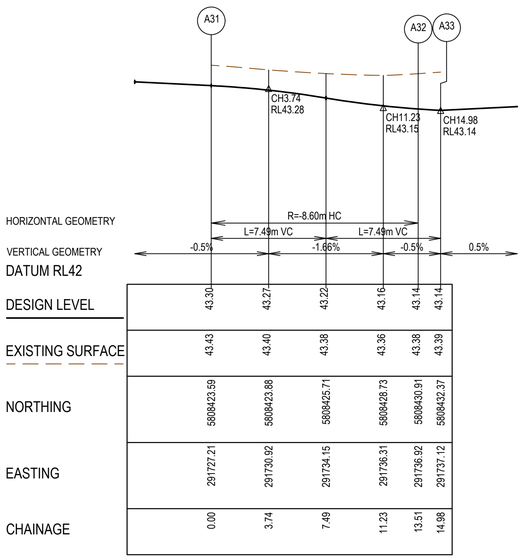
LIP LINE A1



HORIZONTAL GEOMETRY					
VERTICAL GEOMETRY					
DATUM RL43					
DESIGN LEVEL	44.27	44.23	44.15	44.06	44.02
EXISTING SURFACE	44.58	44.58	44.57	44.55	44.51
NORTHING	5808610.83	5808610.64	5808609.18	5808606.68	5808603.51
EASTING	291777.25	291773.90	291770.88	291768.65	291767.54
CHAINAGE	0.00	3.38	6.75	10.13	13.51

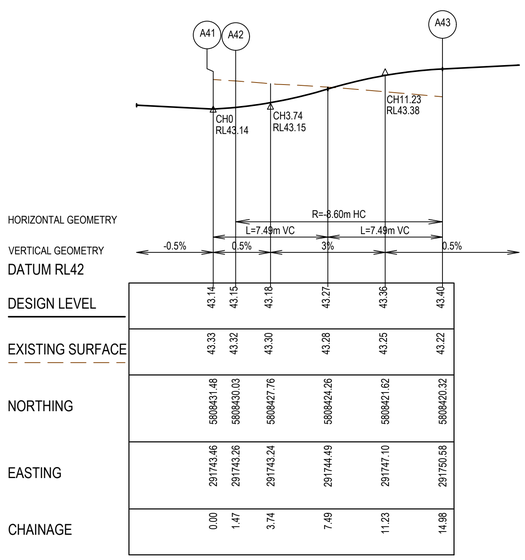
LIP LINE A2





HORIZONTAL GEOMETRY						
VERTICAL GEOMETRY						
DATUM RL42						
DESIGN LEVEL	43.30	43.27	43.22	43.16	43.14	43.14
EXISTING SURFACE	43.43	43.40	43.38	43.36	43.38	43.39
NORTHING	5808423.59	5808423.88	5808425.71	5808428.73	5808430.91	5808432.37
EASTING	291727.21	291730.92	291734.15	291736.31	291736.92	291737.12
CHAINAGE	0.00	3.74	7.49	11.23	13.51	14.98

LIP LINE A3



HORIZONTAL GEOMETRY						
VERTICAL GEOMETRY						
DATUM RL42						
DESIGN LEVEL	43.14	43.15	43.18	43.27	43.36	43.40
EXISTING SURFACE	43.33	43.32	43.30	43.28	43.25	43.22
NORTHING	5808431.48	5808430.03	5808427.76	5808424.26	5808421.62	5808420.32
EASTING	291743.46	291743.26	291743.24	291744.49	291747.10	291750.58
CHAINAGE	0.00	1.47	3.74	7.49	11.23	14.98

LIP LINE A4

LEGEND - INTERSECTION DETAIL PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

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

WARNING

BEWARE OF UNDERGROUND SERVICES

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AS CONSTRUCTED PLANS

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PLAN OF SUB. NO. PS841640V/S7

PERMIT REF. NO. WYP10107_17.02

AS CONSTRUCTED

0 2 4 8
0 0.2 0.4 0.8
Scale H1:200, V1:20
0 2.5 5 10
Scale 1:250
SCALE AS SHOWN AT A1

N

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Melbourne, VIC 3008
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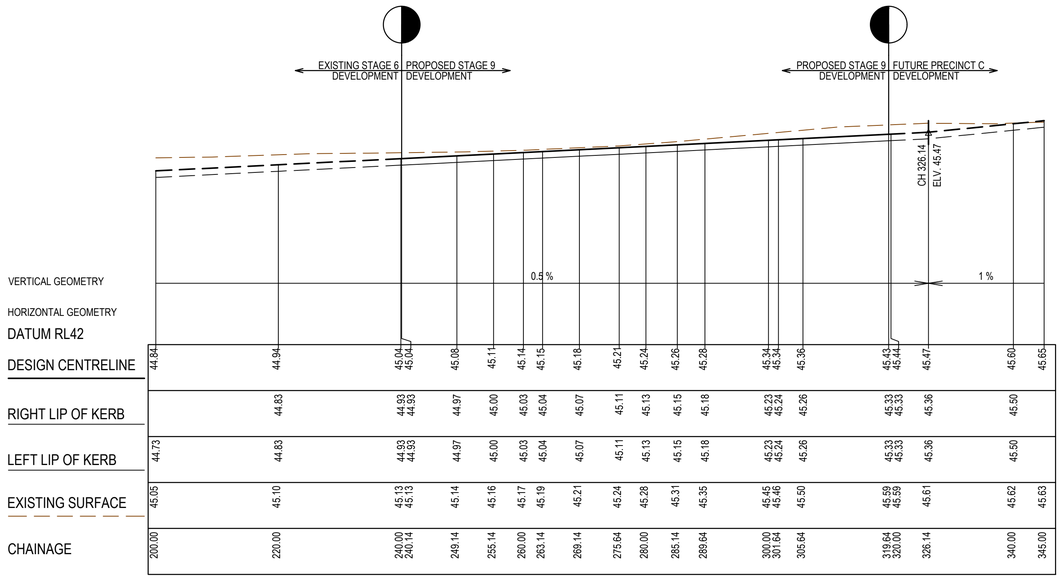
ALAMORA Tarneit

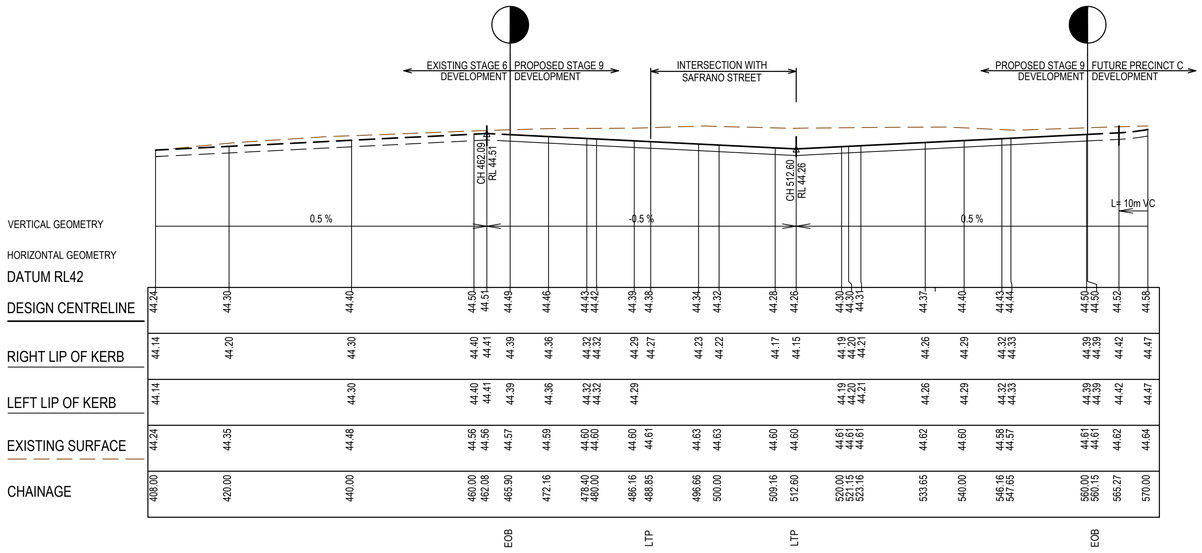
Alamora - Stage 9
Wyndham City Council
Road and Drainage
Intersection Detail Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-181	05 of 16	1

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A09\Dwgs\2070E-A09-181.dwg PRINTED BY: KK16460 on 15/11/2022 at 09:17:01 AM



PROSECCO STREET LONGITUDINAL SECTION



FERONIA AVENUE LONGITUDINAL SECTION

AS CONSTRUCTED PLANS

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PLAN OF SUB. NO. PS841640V/S7

PERMIT REF. NO. WYP10107_17.02

AS CONSTRUCTED

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

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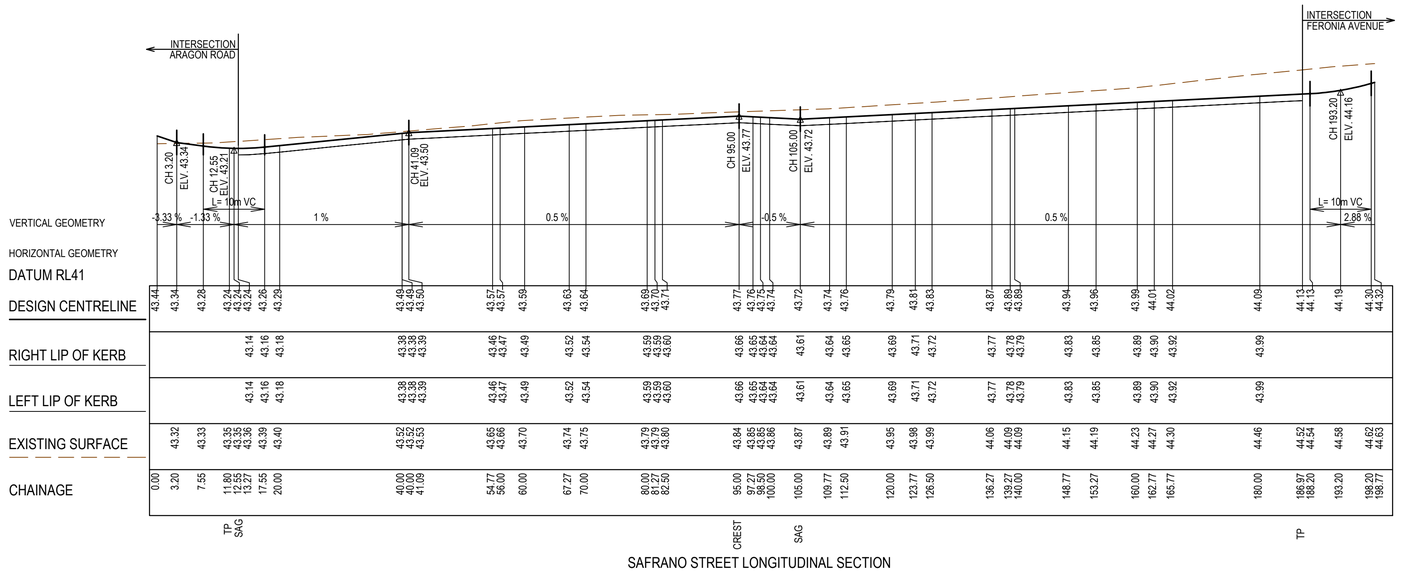
ALAMORA Tarneit

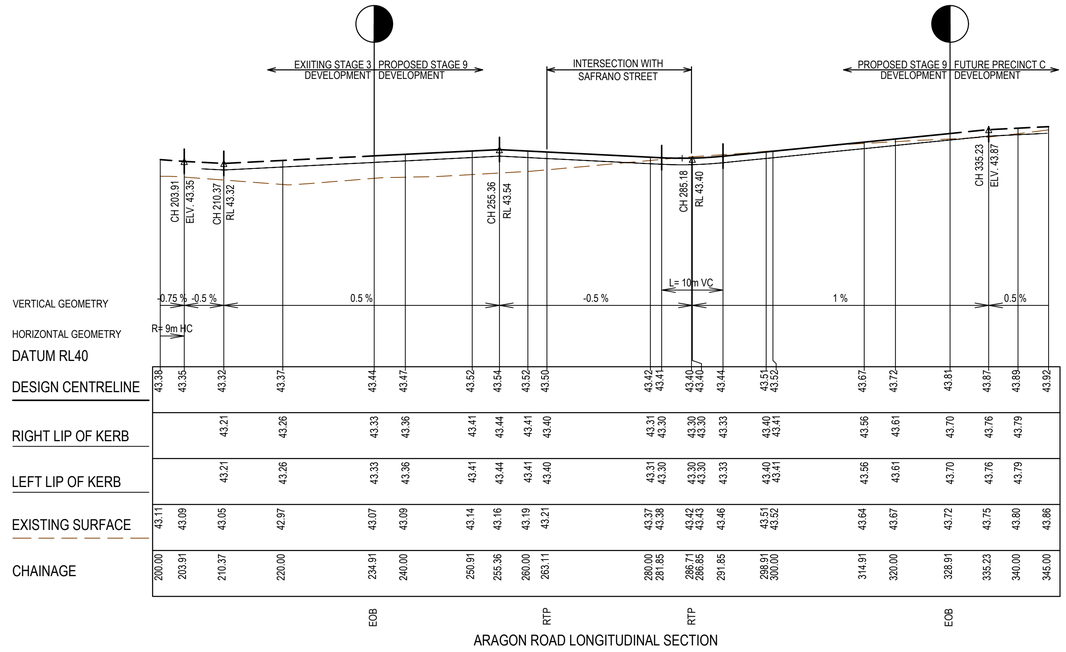
Alamora - Stage 9
Wyndham City Council
Road and Drainage
Road Longitudinal Sections - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-201	06 of 16	1

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A09\Dwgs\2070E-A09-201.dwg PRINTED BY: KK16460 on 15/11/2022 at 09:17:15 AM



SAFRANO STREET LONGITUDINAL SECTION



ARAGON ROAD LONGITUDINAL SECTION

AS CONSTRUCTED PLANS

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PLAN OF SUB. NO. PS841640V/S7

PERMIT REF. NO. WYP10107_17.02

AS CONSTRUCTED

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

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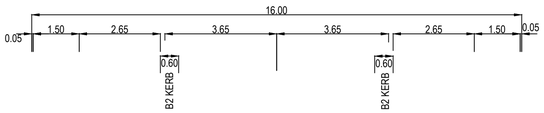
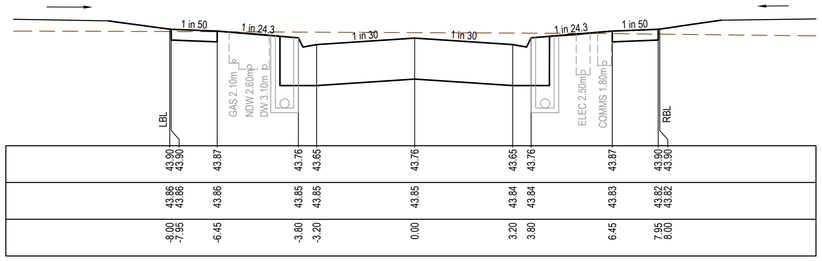
ALAMORA Tarneit

Alamora - Stage 9
Wyndham City Council
Road and Drainage
Road Longitudinal Sections - 2

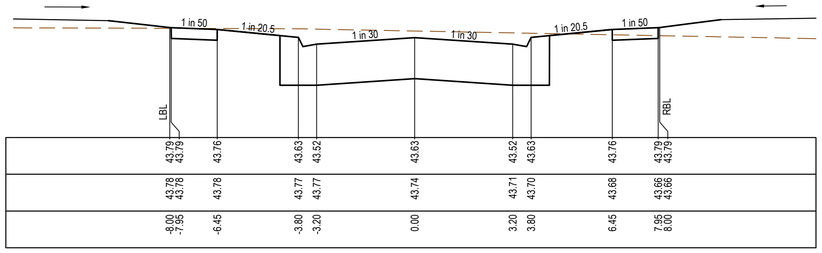
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-202	07 of 16	1

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

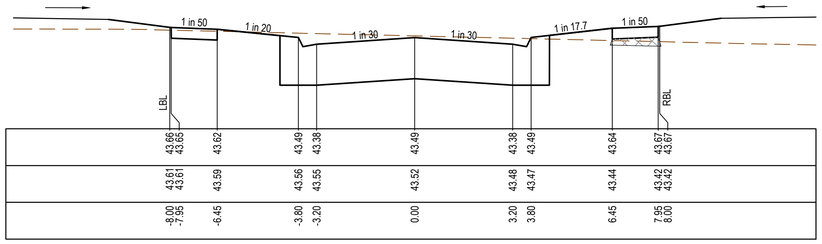




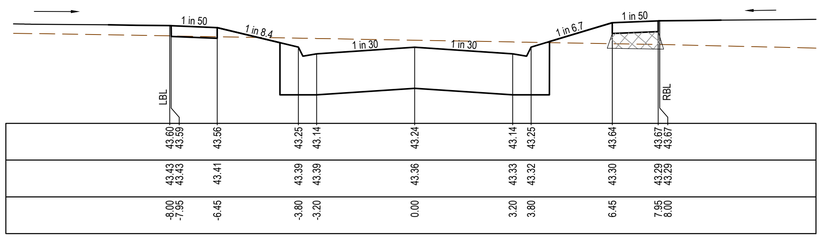
CH 97.27



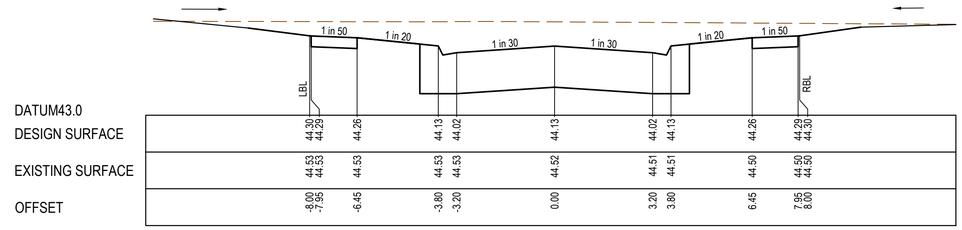
CH 67.27



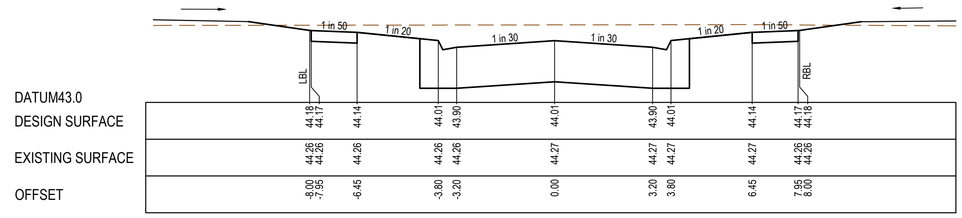
CH 40.00



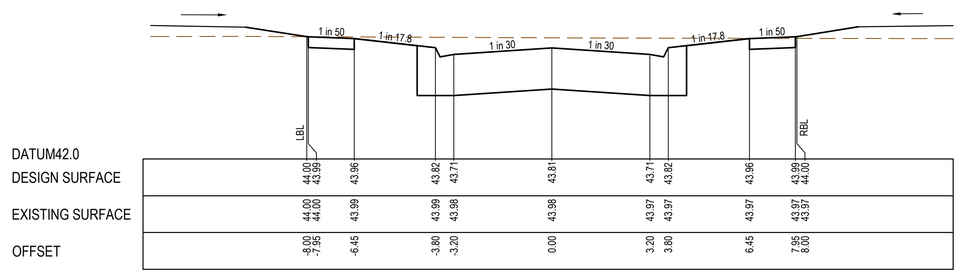
TPCH 13.27



TPCH 186.97



CH 162.77



CH 123.77

AS CONSTRUCTED PLANS

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AS CONSTRUCTED

PLAN OF SUB. NO.	PS841640V/S7
PERMIT REF. NO.	WYP10107_17.02

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

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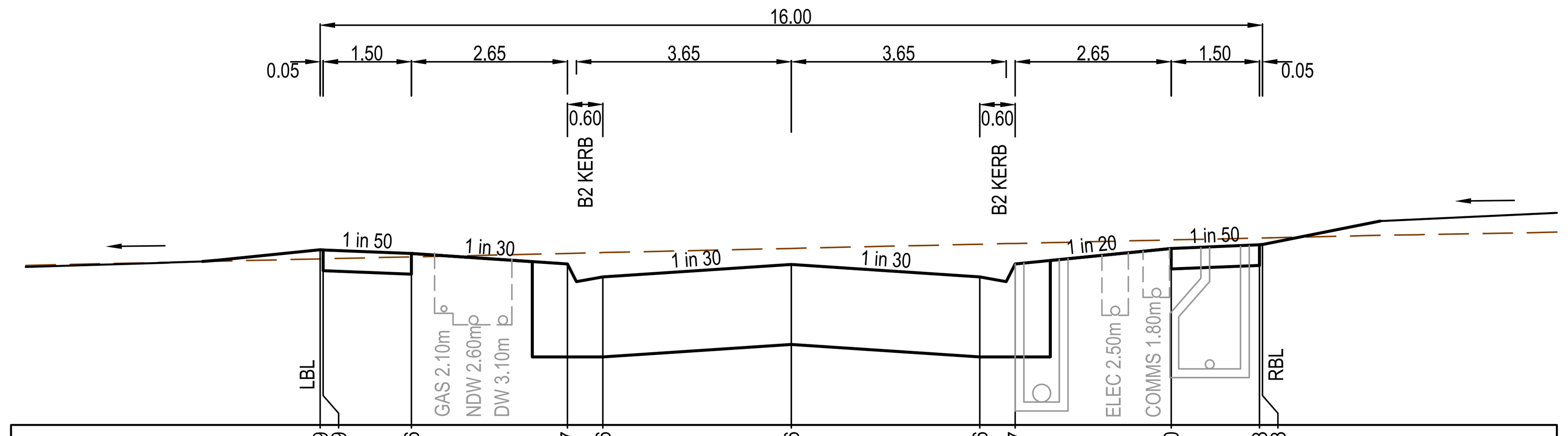
ALAMORA Tarneit

Alamora - Stage 9
Wyndham City Council
Road and Drainage
Cross Sections: Safrano Street
Ch 13.27 - Ch 186.97

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-251	08 of 16	1

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A09\Dwgs\2070E-A09-251.dwg PRINTED BY: KK16460 on 15/11/2022 at 09:17:45 AM

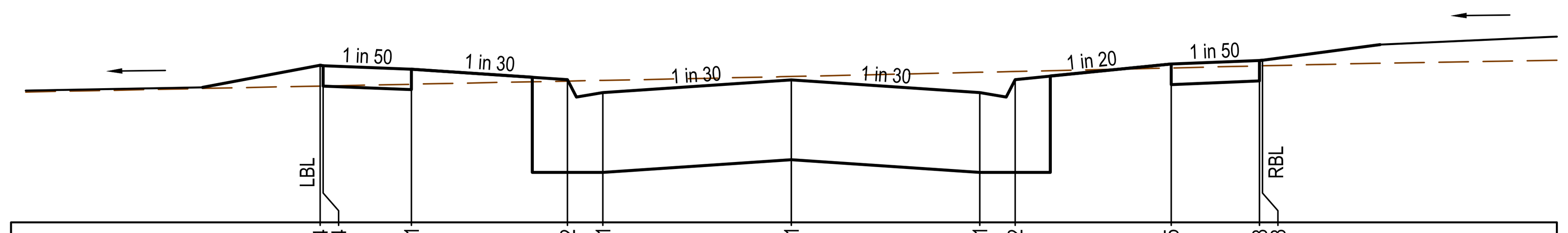
(cross-hatch)	STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



DATUM44.0

DESIGN SURFACE	45.49	45.49	45.46	45.37	45.26	45.36	45.26	45.37	45.50	45.53	45.53
EXISTING SURFACE	45.41	45.41	45.43	45.46	45.46	45.50	45.53	45.54	45.57	45.59	45.59
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

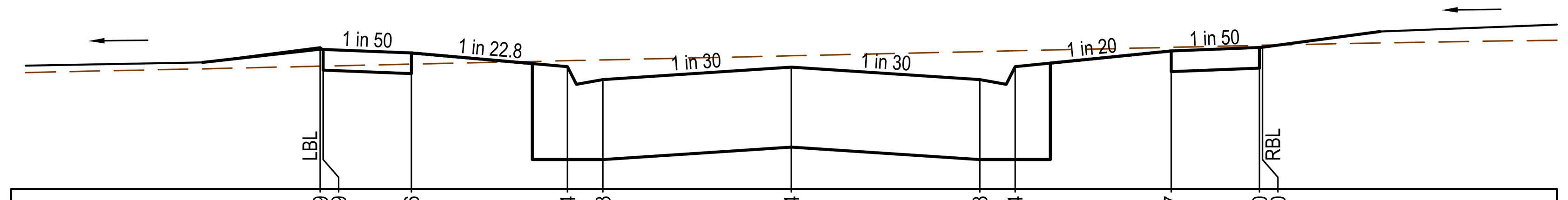
CH 305.64



DATUM44.0

DESIGN SURFACE	45.34	45.34	45.31	45.22	45.11	45.21	45.11	45.22	45.35	45.38	45.38
EXISTING SURFACE	45.16	45.16	45.18	45.20	45.21	45.24	45.28	45.29	45.32	45.33	45.33
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

CH 275.64

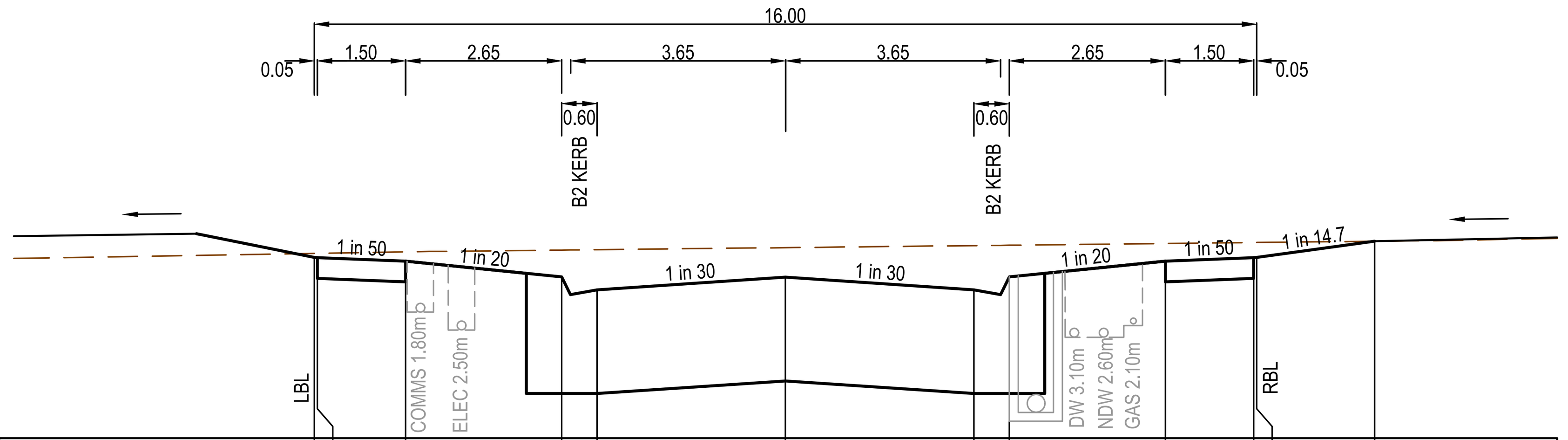


DATUM44.0

DESIGN SURFACE	45.19	45.19	45.16	45.04	44.93	45.04	44.93	45.04	45.17	45.20	45.20
EXISTING SURFACE	45.04	45.04	45.06	45.09	45.10	45.13	45.17	45.17	45.20	45.22	45.22
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

CH 240.14

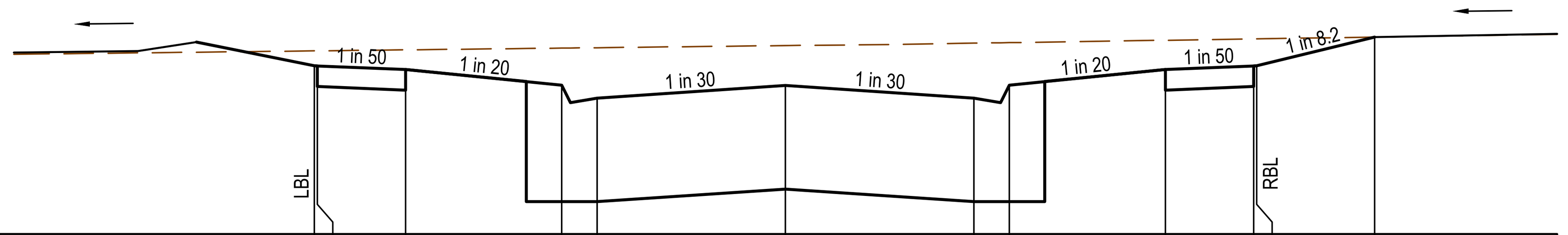
PROSECCO STREET



DATUM43.0

DESIGN SURFACE	44.53	44.53	44.50	44.37	44.26	44.37	44.26	44.37	44.50	44.53	44.53	44.67
EXISTING SURFACE	44.57	44.57	44.58	44.60	44.60	44.62	44.63	44.64	44.65	44.66	44.66	44.67
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	10.00

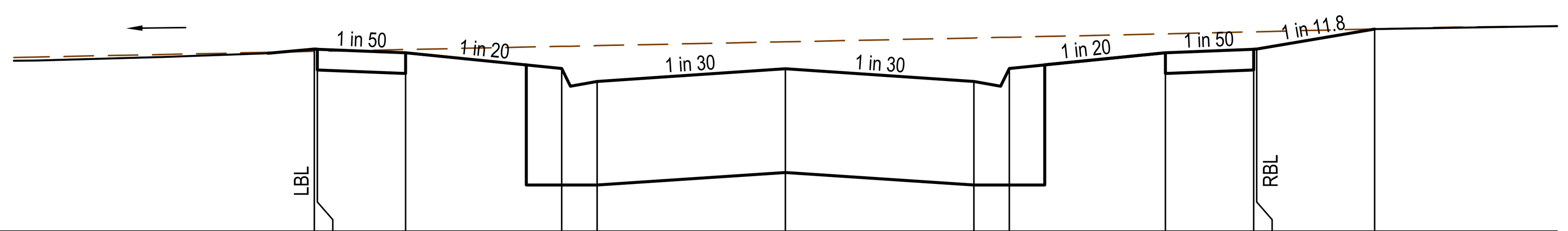
CH 533.65



DATUM43.0

DESIGN SURFACE	44.43	44.43	44.40	44.26	44.15	44.26	44.15	44.26	44.40	44.43	44.43	44.67
EXISTING SURFACE	44.55	44.55	44.56	44.58	44.58	44.60	44.62	44.62	44.64	44.66	44.66	44.67
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	10.00

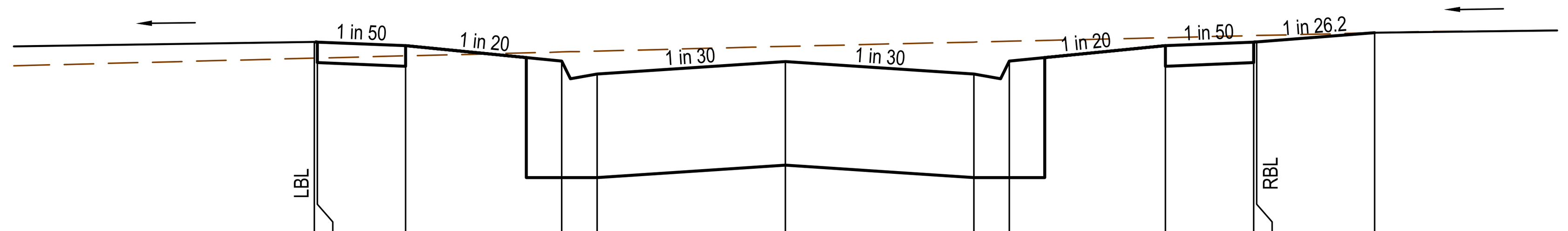
LTPCH 512.60



DATUM43.0

DESIGN SURFACE	44.55	44.54	44.51	44.38	44.27	44.38	44.27	44.38	44.51	44.54	44.55	44.72
EXISTING SURFACE	44.53	44.53	44.54	44.57	44.58	44.61	44.64	44.65	44.68	44.69	44.69	44.72
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	10.00

LTPCH 488.85



DATUM43.0

DESIGN SURFACE	44.63	44.63	44.60	44.47	44.36	44.46	44.36	44.47	44.60	44.63	44.63	44.71
EXISTING SURFACE	44.49	44.49	44.51	44.54	44.55	44.59	44.63	44.64	44.67	44.68	44.68	44.71
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	10.00

CH 472.16

FERONIA AVENUE

AS CONSTRUCTED PLANS

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AS CONSTRUCTED

PLAN OF SUB. NO.
PS841640V/S7
PERMIT REF. NO.
WYP10107_17.02

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

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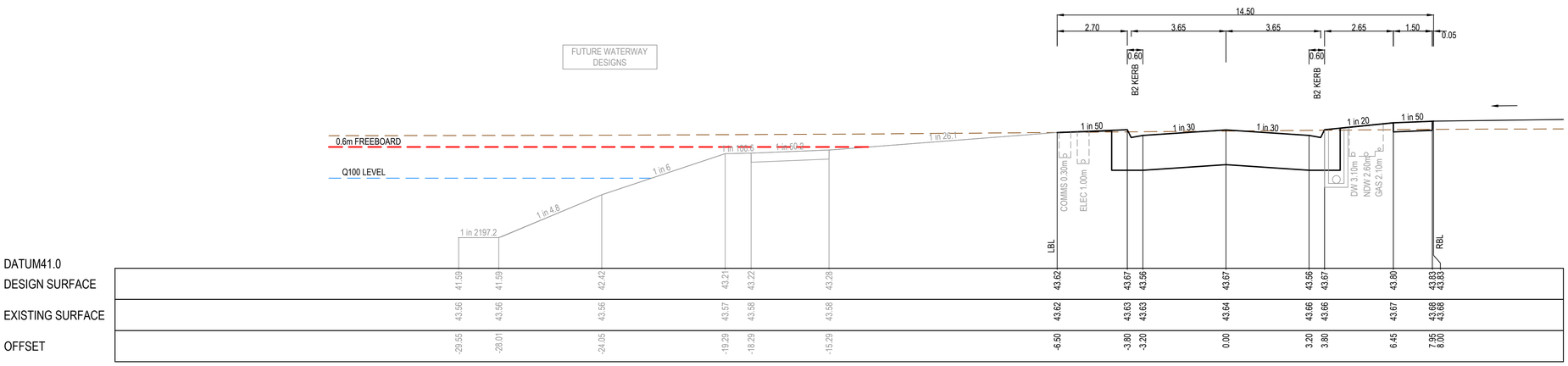
Melbourne, VIC 3008
Ph 03 9514 1500

ALAMORA Tarneit

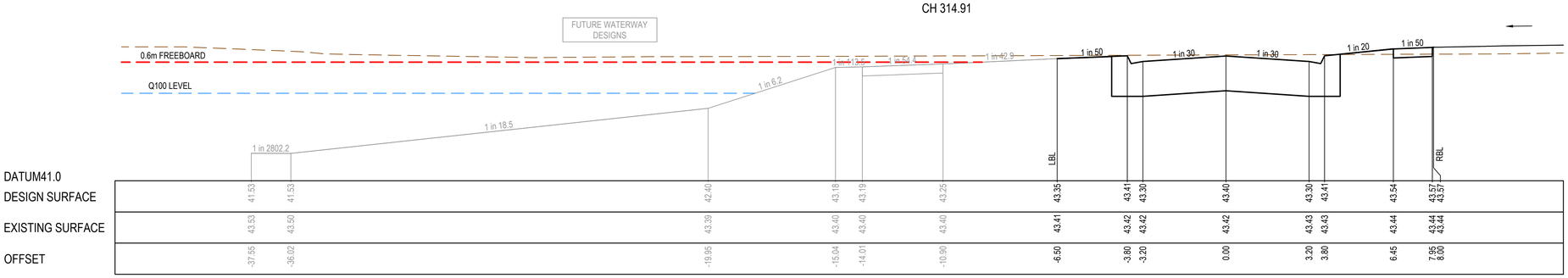
Alamora - Stage 9
Wyndham City Council
Road and Drainage
Cross Sections: Prosecco Street Ch 240.14 - 305.64
& Feronia Avenue Ch 472.16 - Ch 433.65

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-252	09 of 16	1

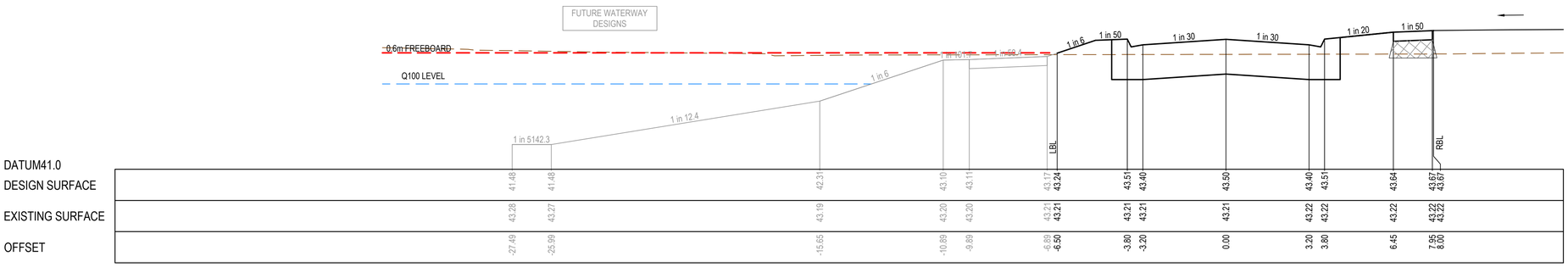
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



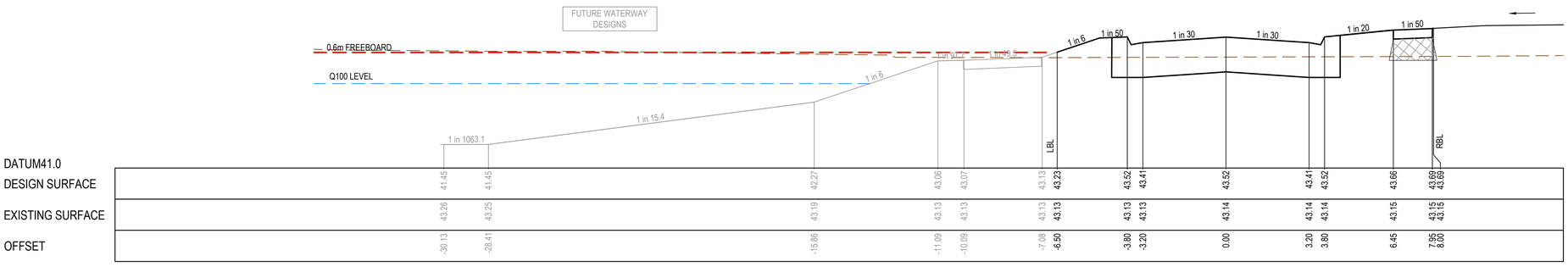
CH 314.91



RTPCH 286.71



RTPCH 263.11



CH 250.91

AS CONSTRUCTED PLANS

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PLAN OF SUB. NO.	PS841640V/S7
PERMIT REF. NO.	WYP10107_17.02

AS CONSTRUCTED

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

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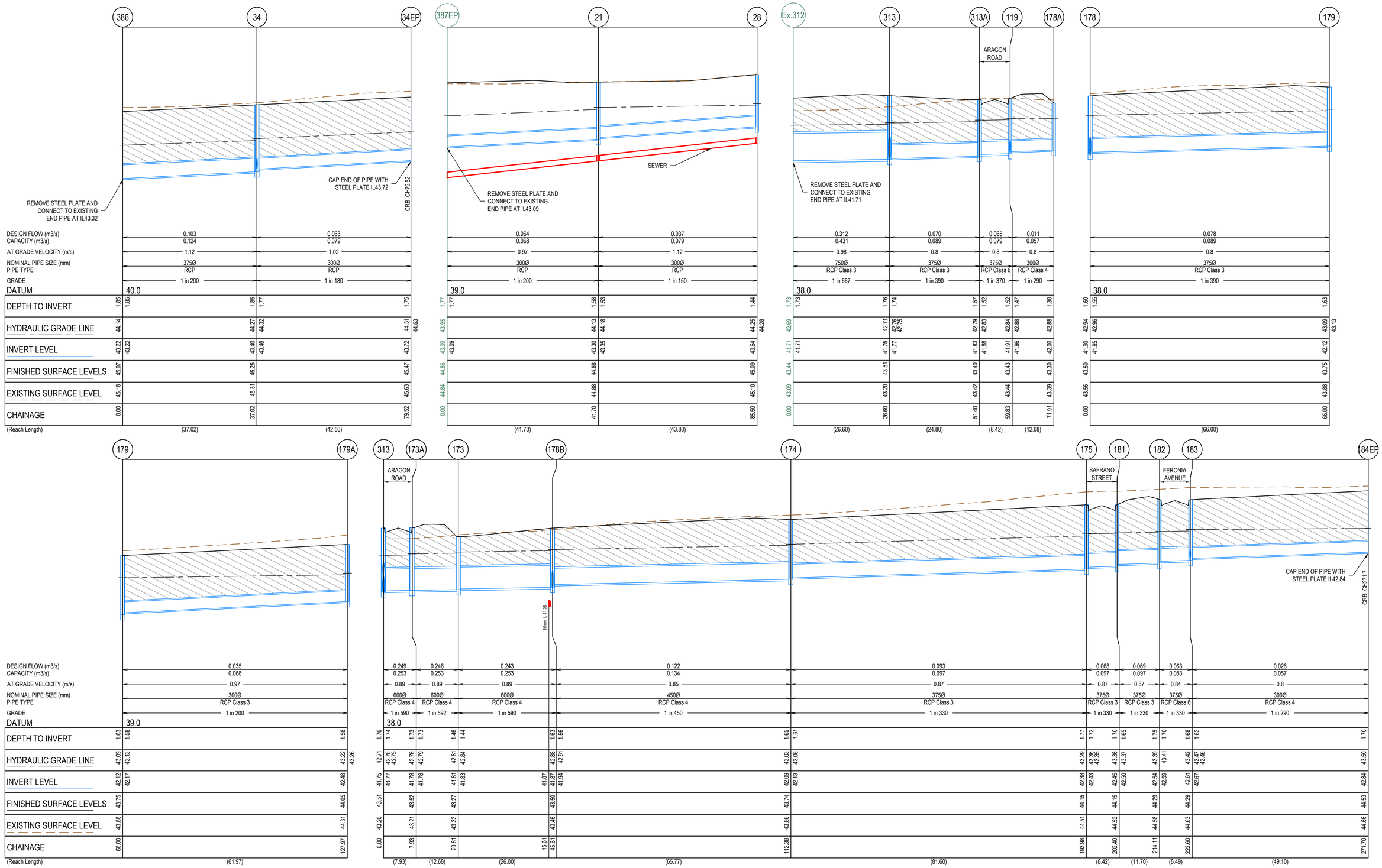
ALAMORA Tarneit

Alamora - Stage 9
Wyndham City Council
Road and Drainage
Cross Sections: Aragon Road
Ch 250.91 - Ch 314.91

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-253	10 of 16	1

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



AS CONSTRUCTED PLANS

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PLAN OF SUB. NO.	PS841640V/S7
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

AS CONSTRUCTED

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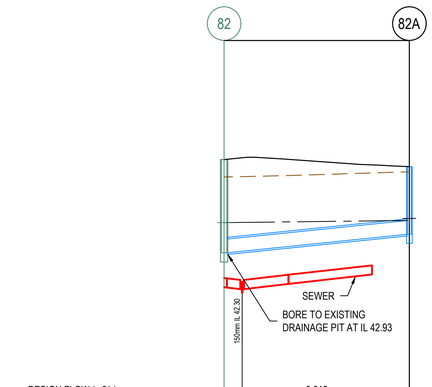
ALAMORA Parkwest

Alamora - Stage 9
Wyndham City Council
Road and Drainage
Drainage Longitudinal Sections - 1

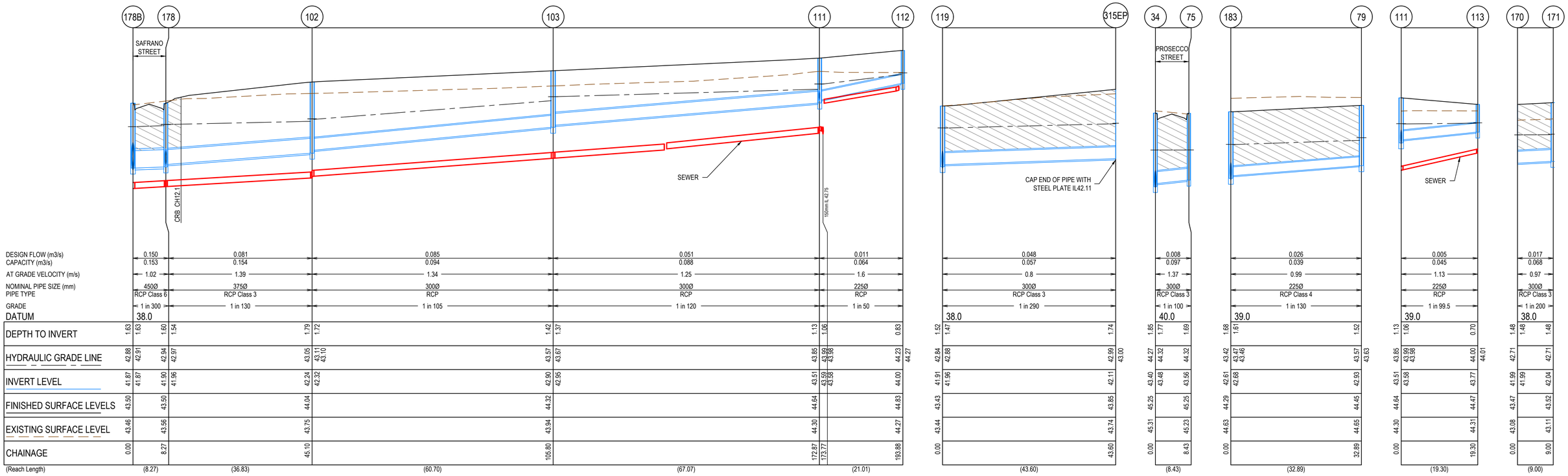
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-301	11 of 16	1

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A09\Dwgs\2070E-A09-301.dwg PRINTED BY: KK16460 on 15/11/2022 at 09:18:29 AM

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



DESIGN FLOW (m3/s)		0.012		
CAPACITY (m3/s)		0.045		
AT GRADE VELOCITY (m/s)		1.13		
NOMINAL PIPE SIZE (mm)		225Ø		
PIPE TYPE		RCP		
GRADE		1 in 100		
DATUM		39.0		
DEPTH TO INVERT	1.52	1.52		1.10
HYDRAULIC GRADE LINE	43.43			43.46 / 43.50
INVERT LEVEL	42.93	42.93	42.96	43.24
FINISHED SURFACE LEVELS	44.46			44.34
EXISTING SURFACE LEVEL	44.17			44.26
CHAINAGE	0.00	2.95		30.25
(Reach Length)			(30.25)	



	178B	178	102	103	111	112	119	315EP	34	75	183	79	111	113	170	171
DESIGN FLOW (m3/s)		0.150	0.081	0.085	0.051	0.011	0.048		0.008		0.026		0.005		0.017	
CAPACITY (m3/s)		0.153	0.154	0.094	0.088	0.064	0.057		0.097		0.039		0.045		0.068	
AT GRADE VELOCITY (m/s)		1.02	1.39	1.34	1.25	1.6	0.8		1.37		0.99		1.13		0.97	
NOMINAL PIPE SIZE (mm)		450Ø	375Ø	300Ø	300Ø	225Ø	300Ø		300Ø		225Ø		225Ø		300Ø	
PIPE TYPE		RCP Class 6	RCP Class 3	RCP	RCP	RCP	RCP Class 3		RCP Class 3		RCP Class 4		RCP		RCP Class 3	
GRADE		1 in 300	1 in 130	1 in 105	1 in 120	1 in 50	1 in 290		< 1 in 100		1 in 130		1 in 99.5		< 1 in 200	
DATUM		38.0					38.0		40.0		39.0		39.0		38.0	
DEPTH TO INVERT	1.63	1.63 / 1.60	1.54 / 1.79	1.72 / 1.42	1.37 / 1.13	1.06 / 0.83	1.52 / 1.47	1.74	1.85 / 1.77	1.69	1.68 / 1.61	1.52	1.13 / 1.06	0.70	1.48 / 1.48	1.48
HYDRAULIC GRADE LINE	42.88	42.91 / 42.94	42.97 / 43.05	43.11 / 43.57	43.67 / 43.85	43.98 / 44.23	42.84 / 42.88	42.99 / 43.00	44.27 / 44.32	44.32	43.42 / 43.47 / 43.46	43.57 / 43.63	43.85 / 43.99 / 43.98	44.00 / 44.01	42.71	42.71
INVERT LEVEL	41.87	41.87 / 41.90	41.96 / 42.24	42.32 / 42.90	42.95 / 43.51	43.59 / 43.88	41.91 / 41.96	42.11	43.40 / 43.48	43.56	42.61 / 42.68	42.93	43.51 / 43.58	43.77	41.99	42.04
FINISHED SURFACE LEVELS	43.50	43.50	44.04	44.32	44.64	44.83	43.43	43.85	45.25	45.25	44.29	44.45	44.64	44.47	43.47	43.52
EXISTING SURFACE LEVEL	43.46	43.56	43.75	43.94	44.30	44.27	43.44	43.74	45.31	45.23	44.63	44.65	44.30	44.31	43.08	43.11
CHAINAGE	0.00	8.27	45.10	105.80	172.87 / 173.77	193.88	0.00	43.60	0.00	8.43	0.00	32.89	0.00	19.30	0.00	9.00
(Reach Length)		(8.27)	(36.83)	(60.70)	(67.07)	(21.01)	(43.60)		(8.43)		(32.89)		(19.30)		(9.00)	

AS CONSTRUCTED PLANS

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AS CONSTRUCTED

PLAN OF SUB. NO.	PS841640V/S7
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 Farrell

Alamora - Stage 9
Wyndham City Council
Road and Drainage
Drainage Longitudinal Sections - 2

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-302	12 of 16	1

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)				
386	ENDPIPE			375	43.22	Ex.375	43.22	45.068	1.848		REMOVE STEEL PLATE AND CONNECT TO END PIPE
34	SIDE ENTRY PIT GRATED	750	900	300	43.48	375	43.405	45.253	1.848	EDCM 601 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
34EP	ENDPIPE					300	43.716	45.469	1.753		CAP END OF PIPE WITH STEEL PLATE
387EP	ENDPIPE			300	43.093	Ex.300	43.093	44.856	1.763		REMOVE STEEL PLATE AND CONNECT TO END PIPE
21	JUNCTION PIT	600	900	300	43.352	300	43.302	44.908	1.606	EDCM 605	
28	JUNCTION PIT	600	900	225 225	43.719 43.719	300	43.644	45.097	1.453	EDCM 605	
312	ENDPIPE			750	41.71	Ex.750	41.71	43.44	1.729		REMOVE STEEL PLATE AND CONNECT TO END PIPE
313	JUNCTION PIT	1050	900	375 600	41.77 41.77	750	41.75	43.506	1.755	EDCM 605 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
313a	DOUBLE SIDE ENTRY PIT GRATED	750	900	355	41.884	375	41.834	43.401	1.567	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
119	DOUBLE SIDE ENTRY PIT GRATED	600	900	300 300	41.962 41.957	355	41.907	43.431	1.524	EDCM 602	
178a	DOUBLE SIDE ENTRY PIT GRATED	600	900			300	42.003	43.288	1.285	EDCM 602	
178	JUNCTION PIT	750	900	375 375	41.947 41.928	450	41.897	43.5	1.603	EDCM 605 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
179	DOUBLE SIDE ENTRY PIT GRATED	750	900	300	42.166	375	42.116	43.747	1.631	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
179a	JUNCTION PIT	600	900			300	42.476	44.047	1.571	EDCM 605	
173a	JUNCTION PIT	1300	900	600	41.784	600	41.784	43.515	1.731	EDCM 605 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
173	DOUBLE SIDE ENTRY PIT	1200	900	600	41.825	600	41.805	43.293	1.488	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
178b	JUNCTION PIT	900	900	450 450	41.944 41.869	600	41.869	43.511	1.642	EDCM 605 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
174	DOUBLE GRATED ENTRY PIT	900	900	375	42.128	450	42.09	43.741	1.651	EDCM 602 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
175	GRATED ENTRY PIT	750	900	375	42.425	375	42.375	44.156	1.781	EDCM 601 & 607	PIT TO BE HAUNCHED TO 600x900 COVER TOWARDS PAVEMENT
181	GRATED ENTRY PIT	600	900	375	42.501	375	42.451	44.144	1.694	EDCM 601	
182	DOUBLE GRATED ENTRY PIT	600	900	375	42.586	375	42.536	44.288	1.752	EDCM 602	
183	DOUBLE GRATED ENTRY PIT	600	900	300	42.667	375	42.612	44.288	1.676	EDCM 602	
184EP	ENDPIPE					300	42.836	44.536	1.7		CAP END OF PIPE WITH STEEL PLATE
102	JUNCTION PIT	600	900	300	42.318	375	42.243	44.036	1.792	EDCM 605	
103	JUNCTION PIT	600	900	300	42.947	300	42.897	44.32	1.423	EDCM 605	
111	JUNCTION PIT	600	900	225 225	43.581 43.581	300	43.505	44.637	1.131	EDCM 605	
112	JUNCTION PIT	600	900			225	44.002	44.832	0.83	EDCM 605	
315EP	ENDPIPE					300	42.107	43.852	1.745		CAP END OF PIPE WITH STEEL PLATE
75	GRATED ENTRY PIT	600	900			300	43.564	45.257	1.693	EDCM 601	
79	JUNCTION PIT	600	900			225	42.93	44.448	1.519	EDCM 605	
113	JUNCTION PIT	600	900			225	43.774	44.473	0.698	EDCM 605	
170	ENDPIPE			300				43.471	1.479		REMOVE STEEL PLATE AND CONNECT TO END PIPE
171	JUNCTION PIT	600	900			300	42.043	43.516	1.479	EDCM 605	
Ex.82	JUNCTION PIT	600	900	225	42.93	Ex.225	42.88	44.457	1.577		CONNECT TO EXISTING PIT - BORE EASTE SIDE WALL
82a	JUNCTION PIT	600	900			225	43.236	44.34	1.103	EDCM 605	

AS CONSTRUCTED PLANS

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PLAN OF SUB. NO. PS841640V/S7

PERMIT REF. NO. WYP10107_17.02

AS CONSTRUCTED

SCALE AS SHOWN AT A1

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Melbourne, VIC 3008
Ph 03 9514 1500

ALAMORA Tarneit

Alamora - Stage 9
Wyndham City Council
Road and Drainage
Pit Schedule

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-351	13 of 16	1

ACCESS LANE- SAFRANO STREET, ARAGON ROAD PAVEMENT COMPOSITION			
520mm DEEP PAVEMENT (INCLUDING 200mm DEEP CAPPING) AND 200mm DEEP SUBGRADE			
PAVEMENT LAYER		DEPTH (mm)	MATERIAL
ASPHALT	WEARING COURSE	20	SIZE 7 TYPE L ASPHALT CLASS 320 BINDER
	INTERMEDIATE COURSE	30	SIZE 10 TYPE N ASPHALT CLASS 320 BINDER
	INTERLAYER	-	SIZE 10 SAMI SEAL S18RF
	BONDING LAYER	-	BITUMINOUS PRIME
BASE COURSE		140	SIZE 20 CLASS 2 CRUSHED ROCK. COMPACTED TO A MINIMUM DENSITY RATIO OF 96% (MODIFIED) AS1289, 5.2.1
SUBBASE COURSE		130	SIZE 20 CLASS 3 CRUSHED ROCK. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289, 5.2.1
CAPPING		200	RIPPED ROCK 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

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

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

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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NOTE

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

AS CONSTRUCTED PLANS

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PLAN OF SUB. NO. PS841640V/S7

PERMIT REF. NO. WYP10107_17.02

AS CONSTRUCTED

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

N

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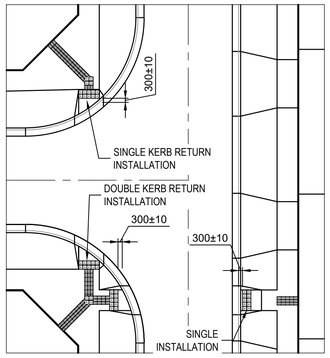
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

ALAMORA Tarneit

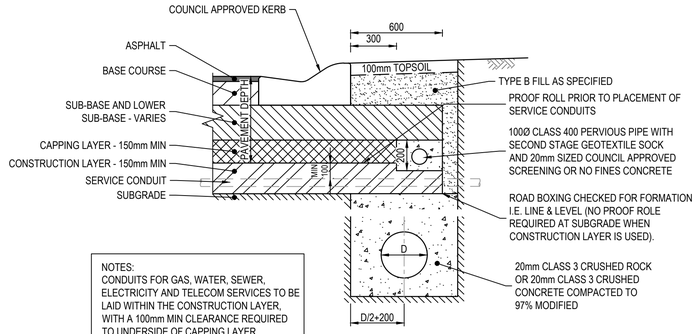
Alamora - Stage 9
Wyndham City Council
Road and Drainage
Pavement Details

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-411	14 of 16	1

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A09\Dwgs\2070E-A09-411.dwg PRINTED BY: KK16460 on 15/11/2022 at 09:19:15 AM

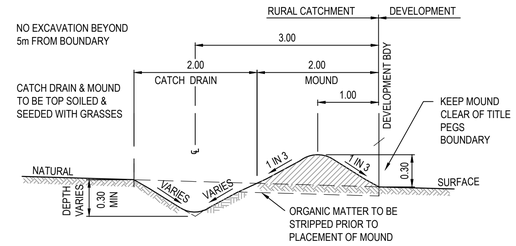


TYPICAL TGSI LAYOUT
N.T.S
REFER TO NOTE 34

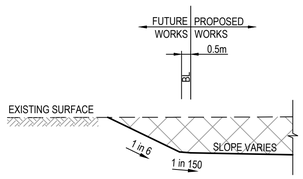


NOTES:
CONDUITS FOR GAS, WATER, SEWER, ELECTRICITY AND TELECOM SERVICES TO BE LAID WITHIN THE CONSTRUCTION LAYER, WITH A 100mm MIN CLEARANCE REQUIRED TO UNDERSIDE OF CAPPING LAYER. CONDUITS SHALL NOT BE PLACED WITHIN THE PAVEMENT NOR THE CAPPING LAYER.

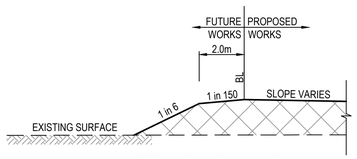
SUBSOIL DRAIN
(EXPANSIVE SOILS)
REFER EDCM STD DWG 202A
NOT TO SCALE



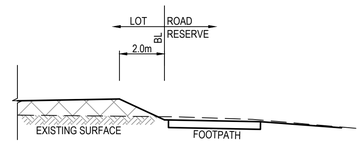
TYPICAL SECTION THROUGH CATCH DRAIN
NOT TO SCALE



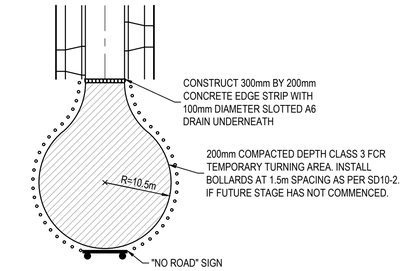
CUT BATTER INTO FUTURE LOT
NOT TO SCALE



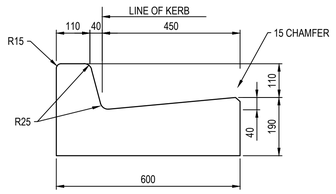
FILL BATTER INTO FUTURE LOT
NOT TO SCALE



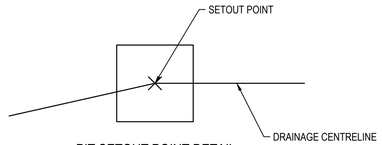
TYPICAL RIDGE BATTER DETAIL
NOT TO SCALE



TEMPORARY TURN AREA DETAIL
NOT TO SCALE



600 B2 KERB DETAIL
SCALE 1:10
EDCM



PIT SETOUT POINT DETAIL
NOT TO SCALE

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

AS CONSTRUCTED PLANS

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

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PLAN OF SUB. NO. PS841640V/S7
PERMIT REF. NO. WYP10107_17.02

AS CONSTRUCTED

SCALE AS SHOWN AT A1

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

ALAMORA Tarneit

Alamora - Stage 9
Wyndham City Council
Road and Drainage
General Details

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-421	15 of 16	1

DWG PATH: V:_Vault\Projects_Urban\2070E-Newgate\2070E-A09\Dwgs\2070E-A09-421.dwg PRINTED BY: KK16460 on 15/11/2022 at 09:19:30 AM

Project Name: Alamora Stage 9	Design Package: 2070E-A09	
	Date:	30/09/21

										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 ADDRESSED 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

AS CONSTRUCTED PLANS

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PLAN OF SUB. NO. PS841640V/S7

PERMIT REF. NO. WYP10107_17.02

AS CONSTRUCTED

SCALE AS SHOWN AT A1

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ALAMORA Tarneit

Alamora - Stage 9
Wyndham City Council
Road and Drainage
Safety In Design

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
234 D5	2070E-A09-500	16 of 16	1