

NEWBRIDGE SOUTH ESTATE

STAGE 13

GENERAL NOTES

AUTHORITY WORKS INSPECTIONS

- THE CONTRACT SUPERINTENDENT OR THEIR REPRESENTATIVE SHALL BE NOTIFIED 24 HOURS BEFORE ANY INSPECTION IS DUE FOR ALL WORKS INSPECTIONS BY COUNCIL AND 5 WORKING DAYS FOR WATER AUTHORITY.

WORKS VARIATIONS

- THE CONTRACTOR SHALL NOT UNDERTAKE ANY WORK WHICH MAY LEAD TO A CLAIMABLE VARIATION(S) WITHOUT PRIOR APPROVAL OF THE CONTRACT SUPERINTENDENT.

CONTRACTOR RESPONSIBILITIES

- COUNCIL IS TO BE NOTIFIED SEVEN (7) CLEAR WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORKS WITH A PRECOMMENCEMENT MEETING BEING HELD BETWEEN COUNCIL, THE CONSULTANT AND THE CONTRACTOR BEFORE WORKS COMMENCE. A SITE MANAGEMENT PLAN IS TO BE SUBMITTED PRIOR TO COMMENCEMENT OF WORKS.
- ALL WORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH GROWTH AREA'S AUTHORITY (GAA) STANDARD DRAWINGS AND SPECIFICATIONS, THE APPROVED SET OF CONSTRUCTION PLANS, AND TO THE SATISFACTION OF THE SUPERINTENDENT. IN THE EVENT OF ANY DISCREPANCY THE CONTRACTOR IS TO SEEK CLARIFICATION FROM THE SUPERINTENDENT.
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT.
- THE CONTRACTOR IS REQUIRED TO CONFINE ALL CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO ALLOTMENTS MUST BE REINSTATED.
- AT THE COMPLETION OF ALL WORKS, ALL RUBBISH, DEBRIS AND SURPLUS SPOIL SHALL BE REMOVED FROM THE SITE AND THE SITE SHALL BE CLEANED TO THE SATISFACTION OF THE SUPERINTENDENT.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY WARNING SIGNS, LIGHTING AND BARRICADES TO COMPLY WITH THE REQUIREMENTS OF THE ROAD TRAFFIC REGULATIONS.

SURVEYING AND SETTING OUT

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
- ALL CO-ORDINATES ARE TO AUSTRALIAN MAP GRID (AMG).
- ALL ROAD CHAINAGES REFER TO ROAD RESERVE CENTRELINES EXCEPT FOR KERB RETURNS AND COURT HEADS WHERE CHAINAGES REFER TO LIP OF KERB.
- KERB RETURN RADII ARE GIVEN TO LIP OF KERB, UNLESS SHOWN OTHERWISE.
- TBM'S TO BE RE-ESTABLISHED BY THE PRINCIPALS LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF TBMS THEREAFTER.
- AN ELECTRONIC COPY OF THE DESIGN DRAWINGS WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR THE PURPOSE OF SETTING OUT.
- THE CONTRACTOR IS TO OBTAIN A BUILDING PERMIT FOR ANY STRUCTURES / FENCES AND FOR ANY RETAINING WALLS OVER 1.0m IN HEIGHT.

EARTHWORKS AND EXCAVATION

- EXCESS TOPSOIL SHALL BECOME PROPERTY OF THE PRINCIPAL AND STORED AT THE CENTRAL TOPSOIL STOCKPILE AS DIRECTED BY THE SUPERINTENDENT. NO TOPSOIL SHALL BE REMOVED FROM SITE WITHOUT SPECIFIC APPROVAL OF THE SUPERINTENDENT.
- PRIOR TO COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION:
 - SOURCE OF QUARRY MATERIAL
 - N.A.T.A. APPROVED TESTS RESULTS FOR THE F.C.R. THAT IS TO BE USED
 - IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF THE WORKS, THEN NEW TEST RESULTS SHALL BE PROVIDED.
- PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004 AND OCCUPATIONAL HEALTH AND SAFETY REGULATIONS 2017, HAVE BEEN AND WILL BE COMPLIED WITH.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UNDERGROUND SERVICES PRIOR TO COMMENCING EXCAVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING SERVICE AUTHORITIES PRIOR TO COMMENCING ANY WORKS ON SITE.
- WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THESE SERVICES ARE TO BE EXPOSED AND PROVED PRIOR TO COMMENCEMENT OF WORKS, AND THE RELEVANT AUTHORITIES NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO THE COMMENCEMENT OF THE WORKS.
- THE CONTRACTOR SHALL:
 - COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT 1958, AND THE MINES (TRENCHES) REGULATIONS 1982.
 - NOTIFY WORKSAFE VICTORIA OF THEIR INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 15 METRES OR DEEPER.
 - ENSURE THAT THE MINE MANAGER OR THEIR DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
- ON COMMENCEMENT OF CONSTRUCTION WORKS, THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL." APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.

- 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.
- ON-SITE BLASTING IS NOT RECOMMENDED. IF BLASTING IS REQUIRED THEN THE CONTRACTOR IS TO NOTIFY THE SUPERINTENDENT AND COUNCIL IN WRITING, AND OBTAIN ALL REQUIRED PERMITS AND LICENSES. BLASTING IS TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT REGULATIONS, DANGEROUS GOODS (EXPLOSIVES) REGULATIONS 2000 AND WORKSAFE VICTORIA REQUIREMENTS.
- THE CONTRACTOR IS TO PROVIDE DETAILS IN WRITING OF THE DISPOSAL SITE FOR EXCESS SPOIL INCLUDING THE TRUCK ROUTE AND SUBMIT TO COUNCIL REPRESENTATIVE FOR APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORKS.
- ALL FILLING AREAS IN EXCESS OF 150mm DEPTH TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINISHED SURFACE LEVELS AS SHOWN ON PLANS. ALL FILLING TO BE COMPACTED IN 150mm EQUAL LAYERS TO 95% AUSTRALIAN DRY DENSITY. FILLING IS TO BE TESTED TO THE SATISFACTION OF THE COUNCIL AND TEST RESULTS OF EACH LAYER AND IN EACH LOT TO BE SUBMITTED TO COUNCIL. ALL FILLING TO BE DONE UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-2007
- FILLING TO COMPLY WITH A.S.3798-2007, 'GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS'.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION NO 448 (MAY 2007) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL IF REQUIRED PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERINTENDENT AND COUNCIL'S REPRESENTATIVE.
- EXISTING DAMS, CHANNELS AND SWALES ARE TO BE BREACHED, DRAINED, DESLUGGED AND SHALL BE EXCAVATED TO A CLEAN FIRM BASE. THE SURFACE SHALL BE INSPECTED APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF FILLING. FILL TO BE PLACED AND COMPACTED AS SPECIFIED AND TO LEVEL 1 SUPERVISION. (AS3798-2007)

EXISTING TREES

- ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN OR DIRECTED BY COUNCILS REPRESENTATIVE.
- WHERE, AS A CONDITION OF THE PLANNING PERMIT OR AS A RESULT OF THE PRE-CONSTRUCTION MEETING, FENCING OF AREAS CONTAINING TREES, NATIVE GRASSES AND SHRUBS IS REQUIRED, A THREE STRAND STAR PICKET AND WIRE FENCE SHALL BE CONSTRUCTED.
- NO EXCAVATION SHALL BE UNDERTAKEN WITHIN 5m OF ANY EXISTING TREE WITHOUT THE APPROVAL OF THE SUPERINTENDENT.
- LOPPING OF BRANCHES ON PRESERVED TREES TO BE DIRECTED BY SUPERINTENDENT.
- TREES MARKED ON PLANS FOR REMOVAL MUST BE REMOVED FROM THE SITE PRIOR TO THE COMMENCEMENT OF WORKS. APPROVAL FROM COUNCILS REPRESENTATIVE SHOULD BE OBTAINED PRIOR. ANY TREES REMOVED, VEGETATION OR OTHER MATERIALS ARE NOT TO BE BURNT ON SITE.

EXISTING INFRASTRUCTURE

- ANY EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE SUPERINTENDENT AND COUNCILS REPRESENTATIVE.
- WHERE NEW ASPHALT, CONCRETE K & C, PATHS AND DRIVEWAYS MATCH INTO EXISTING, THE EXISTING SURFACE IS TO BE SAW CUT AND MATCHED NEATLY.
- ALL REDUNDANT ASSETS ARE TO BE REMOVED AND DISPOSED OFF SITE.
- ALL EXISTING AUTHORITY ASSETS AFFECTED BY THE WORKS, SHALL BE REINSTATED BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THE WORKS AND TO THE SATISFACTION OF THE ASSET OWNER.
- WHERE IT IS INTENDED TO INSTALL SERVICES OR OTHER EQUIPMENT UNDER EXISTING PAVEMENTS, THE CONTRACTOR SHALL OBTAIN A PERMIT AND PAY ANY FEES, FROM THE COUNCIL OR OTHER ROAD AUTHORITY PRIOR TO UNDERTAKING ANY EXCAVATION.

SERVICES

- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL LOCAL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- EXISTING SEWER AND STORM WATER DRAINAGE BACK FILLING UNDER THE ROAD PAVEMENT AND BEHIND KERB AND CHANNEL (WITHIN THE ROAD RESERVATION) SHALL BE REPLACED WITH CLASS 2 CRUSHED ROCK.
- GAS CONDUITS ARE TO BE 50mm DIA. P.V.C. PIPE CLASS S6. WATER CONDUITS ARE TO BE 50mm DIA. P.V.C. PIPE CLASS S8. BOTH ARE TO BE LAID AT A MINIMUM DEPTH OF 450mm BELOW ROAD SUBGRADE LEVEL UNLESS NOTED OTHERWISE.
- CONDUITS FOR GAS AND WATER SERVICES ARE TO BE LOCATED IN THE POSITIONS SHOWN. THEY ARE TO BE PLACED AT RIGHT ANGLES TO THE KERB AND SERVICE ALIGNMENT AND ARE TO EXTEND MIN 600MM BEHIND THE BACK OF KERB. CONDUITS ARE TO BE REFERENCED IN 50mm HIGH LETTERS ON THE FACE OF KERB AND CHANNEL.
- GAS AND WATER CONDUITS ARE TO BE LAID WITH THE FOLLOWING MIN. COVER TO FINISHED SURFACE LEVELS: UNDER ROADS- 450mm BELOW ROAD SUBGRADE LEVEL ELSEWHERE- 600mm.
- WATER TAPPINGS FOR LOTS SITUATED ON THE SAME SIDE OF THE WATER MAIN ARE TO BE LOCATED 14m FROM THE PROPERTY BOUNDARY OF THE LOT UNLESS NOTED OTHERWISE. THE KERB IS TO BE MARKED 'W' WITH AN ARROW POINTING TO THE TAPPING.
- REFER TO THE TELECOMMUNICATIONS DRAWINGS (BY OTHERS) FOR DETAILS ON CONDUITS AND TRENCHING.
- REFER TO THE ELECTRICAL AND LIGHTING DRAWINGS (BY OTHERS) FOR DETAILS ON CONDUITS AND TRENCHING.
- ALL SERVICE CONDUITS TRENCHES UNDER ROAD PAVEMENTS ARE TO BE BACKFILLED WITH 20MM 3% CEMENT TREATED CLASS 3 CRUSHED ROCK COMPACTED TO A DENSITY NOT LESS THAN 98% OF THE MAXIMUM DRY DENSITY

VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.11-2003.

- ALL FIRE HYDRANTS ARE TO BE MARKED IN ACCORDANCE WITH "IDENTIFICATION OF STREET HYDRANTS FOR FIREFIGHTING PURPOSES" PUBLICATION (DEVELOPED BY C.F.A, M.F.E.S.B & N.R.E). MARKINGS TO BE VIA BLUE RAISED REFLECTIVE PAVEMENT MARKER AND A MARKER POST.

DRAINAGE

- WHERE CURVED PIPES ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB, EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED.
- ALL STORMWATER DRAINS ARE TO BE CLASS 2 R.C. OR RIGID F.R.C. PIPES WITH ADCOL FLEXIBLE COLLARS UNLESS NOTED OTHERWISE. ALL PIPES UP TO AND INCLUDING 750mm DIA. ARE TO BE RUBBER RING JOINTED INTERLOCKING / FLUSH JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 750mm DIA.
- ALL DRAINS LAID UNDER ROAD PAVEMENT AND BEHIND KERB AND CHANNEL, TRENCH SHALL BE BACKFILLED WITH 20mm CLASS 3 F.C.R. COMPACTED TO 98% MODIFIED AS PER GAA STANDARD DRAWINGS.
- WHERE STORMWATER DRAINS ARE LAID UNDER DRIVEWAYS AND FOOTPATHS, TRENCH SHALL BE BACKFILLED WITH 20mm CLASS 3 F.C.R. COMPACTED TO 98% MODIFIED.
- PROPERTY INLET PITS ARE TO BE LOCATED 1.0m FROM LOW SIDE BOUNDARY UNLESS OTHERWISE SHOWN. INVERT LEVEL OF PROPERTY INLET IS TO BE A MINIMUM OF 500mm BELOW FINISHED/EXISTING SURFACE LEVEL.
- AGRICULTURAL DRAINS ARE TO BE PLACED BEHIND ALL KERB AND CHANNEL, KERB ONLY AND EDGE STRIPS IN ACCORDANCE WITH GAA STANDARD DRAWINGS.
- ALL TABLE DRAINS AND VERGES ARE TO BE REINSTATED UPON COMPLETION OF WORKS TO THE SATISFACTION OF COUNCIL.
- FOR ALL DRAINAGE PITS, REFER TO GAA STANDARD DRAWINGS UNLESS NOTED OTHERWISE.
- PROPERTY CONNECTIONS ARE TO BE LOCATED 5.0m FROM BOUNDARY UNLESS OTHERWISE SHOWN. PROPERTY CONNECTIONS ARE TO BE 100mm DIAMETER AND BACKFILLED WITH 20mm CLASS 3 F.C.R. TO 150mm ABOVE TOP OF PIPE IN ALL LOCATIONS. PIPES TO EXTEND 0.5m INTO PROPERTY AND ARE TO HAVE 0.8m COVER

CONCRETE WORKS

- GENERALLY (S2) KERB AND CHANNEL IS TO BE POURED THROUGHOUT THE SUBDIVISION. WHERE OTHER KERB TYPES ARE REQUIRED THEY ARE SPECIFICALLY SHOWN ON THE DRAWINGS.
- FOOTPATHS ARE TO BE 50mm OFFSET FROM TITLE BOUNDARIES UNLESS NOTED OTHERWISE. VEHICLE CROSSING ALIGNMENTS ARE GENERALLY TO BE PARALLEL TO THE SIDE BOUNDARY.
- ALL NEW CONCRETE WORKS SHALL BE JOINED INTO ABUTTING EXISTING CONCRETE IN ACCORDANCE WITH G.A.A. STANDARD DRAWINGS AND SPECIFICATION, UNLESS OTHERWISE SPECIFIED.
- ANY EXPOSED AGGREGATE CONCRETE WORKS TO BE ACHIEVED BY SAND-BLASTING ONLY. WASHING AGGREGATE OFF WITH WATER IS NOT PERMITTED.
- CONCRETE STRENGTH SHALL BE A MINIMUM OF 25MPA AT 28 DAYS UNLESS OTHERWISE NOTED.
- TRANSITION BETWEEN DIFFERENT KERB PROFILES SHALL BE OVER 3m IF THEY CANNOT BE INCORPORATED INTO A PRAM CROSSING OR DRIVEWAY CROSSING.
- WHERE TACTILE GROUND SURFACE INDICATORS ARE REQUIRED THEY SHALL BE CONSTRUCTED IN ACCORDANCE WITH VICROADS STANDARD DRAWINGS SD2031 & SD2032. TACTILE GROUND SURFACE INDICATORS MUST CONFORM TO AS128.4 AND BE APPROVED BY COUNCIL.

PAVEMENTS

- WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL, AND CONSTRUCTED IN LAYERS 150mm THICK WITH COMPACTION ACHIEVING 98% AUSTRALIAN STANDARD DENSITY.
- WEARING COURSE TO BE CONSTRUCTED 5mm ABOVE LIP OF KERB AND CHANNEL.
- THE CONTRACTOR SHALL CO-OPERATE WITH OTHER AUTHORITIES AND SHALL ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO THE FINAL PAVEMENT COURSE.
- PAVEMENT DEPTH SPECIFIED IS A MINIMUM DEPTH AND MAY BE VARIED BY THE SUPERINTENDENT AND/OR COUNCILS REPRESENTATIVE. SOFT SPOTS SHALL BE EXCAVATED TO A PROOF ROLLED BASE AND BACKFILLED WITH APPROVED MATERIAL COMPACTED IN 150mm LAYERS TO ACHIEVE A DENSITY NOT LESS THAN 98% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.11-2003.

PAVEMENT SUB-BASE AND BEDDING TO KERB AND CHANNEL IS TO BE INSTALLED AS PER GAA STANDARDS.

TRAFFIC MANAGEMENT

- ALL TRAFFIC CONTROL MEASURES, SIGNS AND LINEMARKING SHALL BE IN ACCORDANCE WITH A.S.1742 - 1, 2 & 3. LINEMARKING TO BE CARRIED OUT USING THERMOPLASTIC PAINT.
- STREET NAME SIGNS ARE TO BE IN ACCORDANCE WITH COUNCIL STANDARD DRAWING AND SPECIFICATION.
- ALL SIGNS TO BE CLASS 1 HIGH INTENSITY TYPE AND TO COMPLY WITH THE REQUIREMENTS OF A.S.1743 -2001.

LANDSCAPING

- RESERVES TO BE LEFT IN A CONDITION SATISFACTORY TO COUNCILS LANDSCAPE ARCHITECT.
- TOPSOILING WORKS ARE TO BE PREPARED AS SPECIFIED FOR HAND OVER TO THE LANDSCAPING CONTRACTOR.
- SOFT SPOTS, WHERE DIRECTED BY COUNCILS LANDSCAPE ARCHITECT ARE TO BE EXCAVATED AND BACKFILLED WITH SPECIFIED MATERIALS.
- ALL DISTURBED AREAS, IE, NATURESTRIPS, BATTERS, ALLOTMENTS & RESERVES, ARE TO BE REINSTATED TO A CLEAN, TIDY CONDITION, TOP DRESSED 100MM LOAMY TOP SOIL FREE OF CLUMPS, SODS AND CLAY LUMPS AND SOIL WITH GRASS SEED. SEED IS TO BE A GENERAL PARKLAND AND NATURESTRIP BLEND AS APPROVED BY COUNCIL UNLESS OTHERWISE DETAILED. GRASS IS TO BE ESTABLISHED PRIOR TO THE END OF THE MAINTENANCE PERIOD.



DRAWING INDEX		
JOB No	SHEET No	SHEET DESCRIPTION
18040-13	01	LOCALITY PLAN & GENERAL NOTES
18040-13	02	DETAIL PLAN
18040-13	03	PAVEMENT DETAILS & TYPICAL SECTIONS
18040-13	04	LONGITUDINAL SECTIONS
18040-13	05	CROSS SECTIONS - CONFIER DRIVE
18040-13	06	CROSS SECTIONS - FLAVA ROAD
18040-13	07	CROSS SECTIONS - HAMMER STREET
18040-13	08	INTERSECTION DETAIL PLAN
18040-13	09	DRAINAGE LONGITUDINAL SECTIONS
18040-13	10	PIT SCHEDULE
18040-13	11	SIGNAGE & LINE MARKING PLAN

SERVICE OFFSET TABLE						
STREET NAME	WATER	ND - WATER	GAS	TELCO	ELEC	POLES
CONFIER DRIVE	3.20 N	2.70 N	2.30 N	1.85 S	2.35 S	1.00m*
HAMMER STREET	3.20 W	2.70 W	2.30 W	1.85 E	2.35 E	1.00m*
FLAVA ROAD	2.95 N	2.45 N	2.05 N	1.85 S	2.35 S	1.00m*

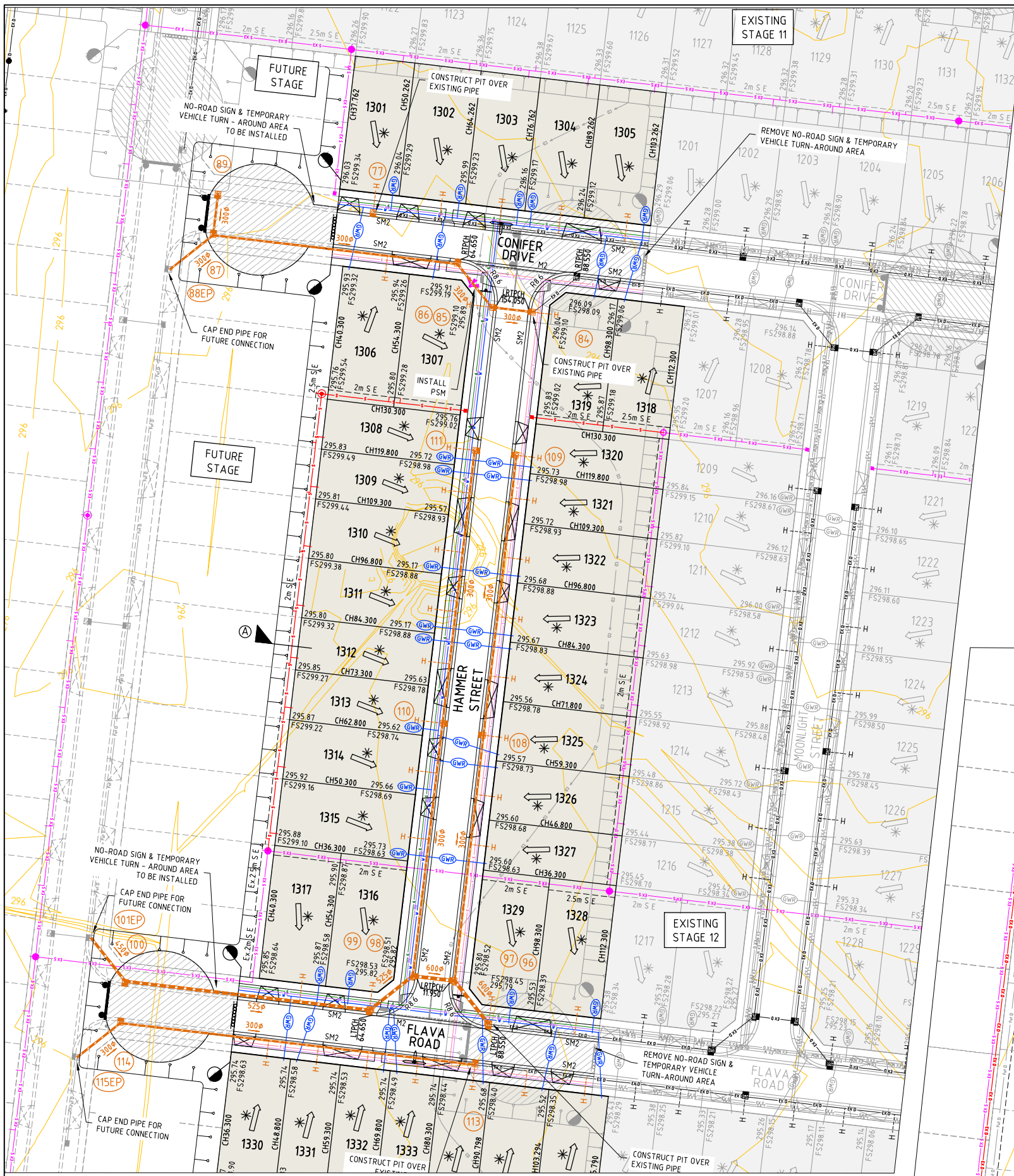
- * DENOTES OFFSET FROM BACK OF KERB
- TELSTRA AND ELECTRICITY CABLES ARE TO BE CONSTRUCTED IN A COMMON TRENCH
- GAS AND WATER MAINS ARE TO BE CONSTRUCTED IN A COMMON TRENCH



WARNING
BEWARE OF UNDERGROUND/OVERHEAD SERVICES

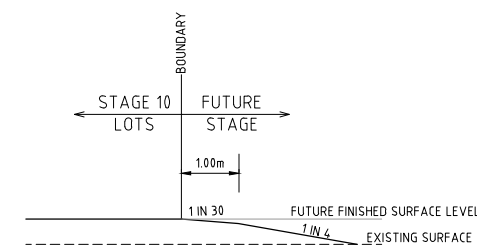
THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

				 		Melway Reference 665 E4		 Urban Design and Management Pty Ltd PO Box 468 Sunbury 3429 Phone: +61 3 9971 6300 Fax: +61 3 9971 6399 Office 1, Level 1, 114 Evans Street, Sunbury, VIC, 3429		Designed M.ROSSITTO		NEWBRIDGE SOUTH ESTATE STAGE 13 MITCHELL SHIRE COUNCIL LOCALITY PLAN		Drawing No: 18040-13-01	
				 		Principal RESIMAX GROUP PTY LTD 2 DREWERY PLACE MELBOURNE VIC 3000		Approved for Construction		Checked T.PHILLIPS				Revision: B	
				 				Approved T. MILINKOVIC						Sheet No: 01 of 11	
				 				Date OCTOBER 2021				 APPROVED PLAN		Scale @ A1 N.T.S	
				 				© Urban Design and Management Pty Ltd ABN 62 525 443 156				 APPROVED PLAN			



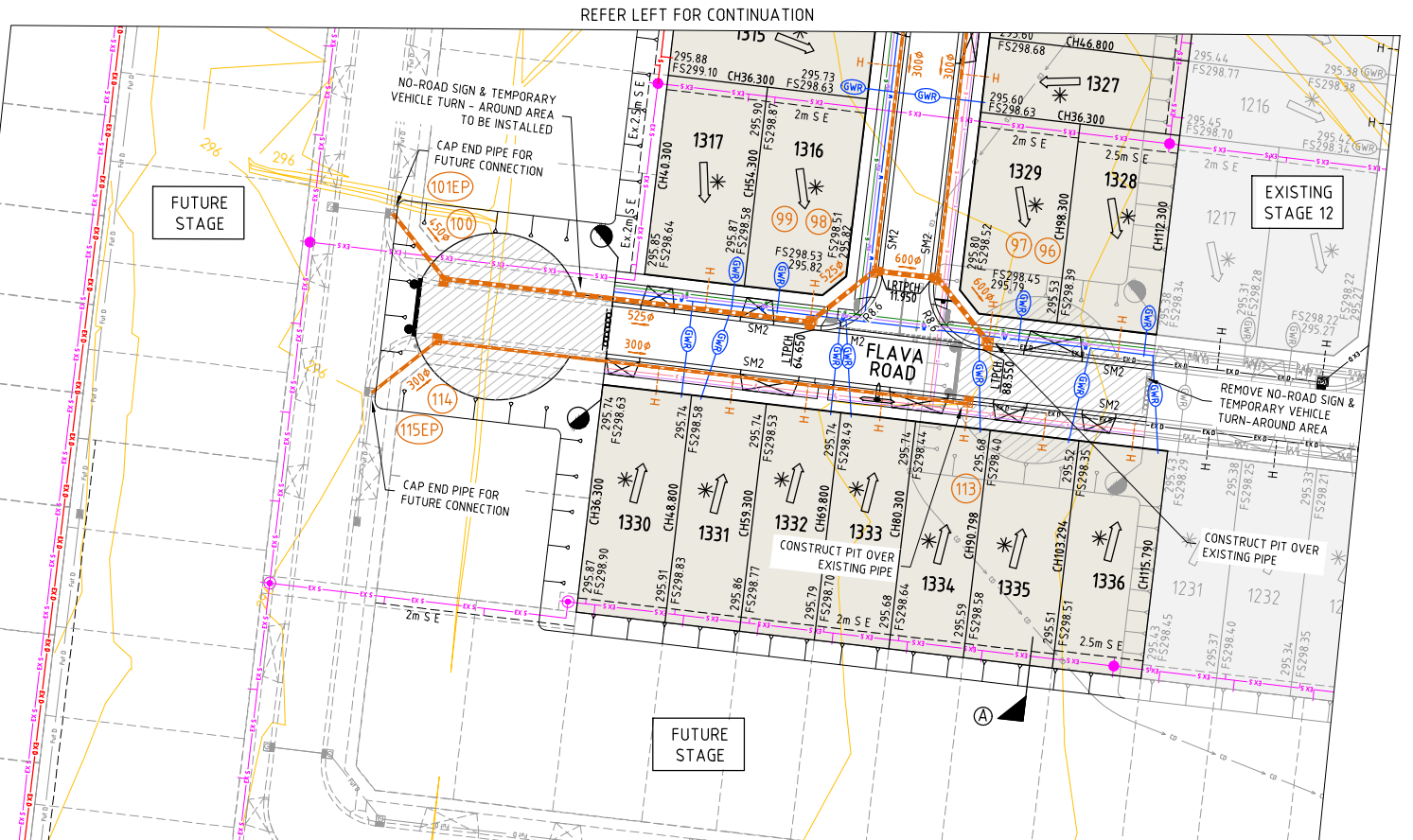
LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING GAS
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING STORMWATER DRAIN
- EXISTING SEWER
- RETAINING WALL
- WATER
- GAS
- TELSTRA
- ELECTRICITY (UNDERGROUND)
- RECYCLED WATER
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- OVERLAND FLOW
- DIRECTION OF FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- ELECTRICITY TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY



TEMPORARY BENCH MARKS

Reference	North	East	Elevation	Description
C17	2483.10	2140.89	296.32	STAR PICKET
C18	2388.04	2130.35	295.87	STAR PICKET
C21	2344.46	2294.01	295.35	STAR PICKET



No	REVISION	DATE	DESIGN	APPROVED
A	LOT LEVELS & DRAINAGE PIPE SIZES UPDATED	10.12.21	MR	TP
B	ISSUED TO COUNCIL	25.10.21	MR	TP

RESIMAX GROUP
MITCHELL SHIRE COUNCIL

Approved for Construction

Melway Reference
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Date
OCTOBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 13
MITCHELL SHIRE COUNCIL
DETAIL PLAN

APPROVED
By Mohammad Sikar at 5:15 pm, Feb 03, 2022

MITCHELL SHIRE COUNCIL
APPROVED PLAN

Drawing No: 18040-13-02

Revision: B

Sheet No: 02 of 11

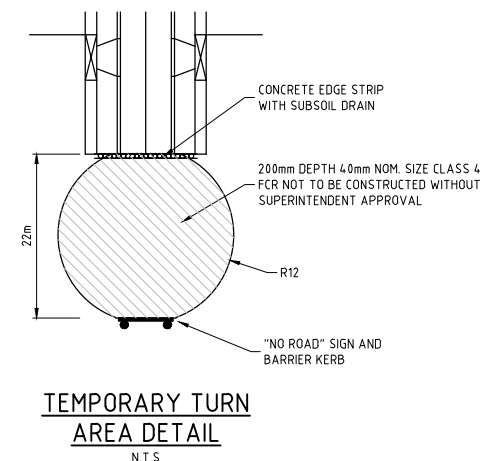
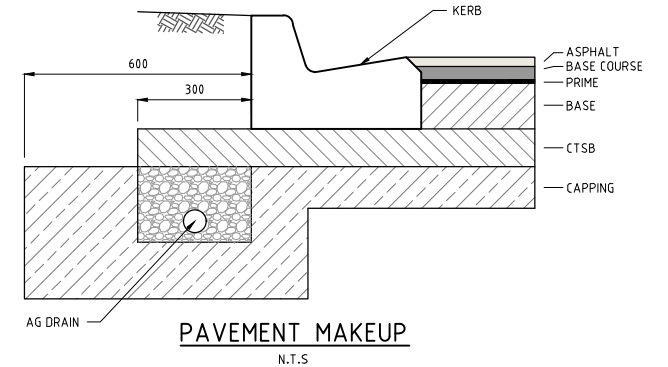
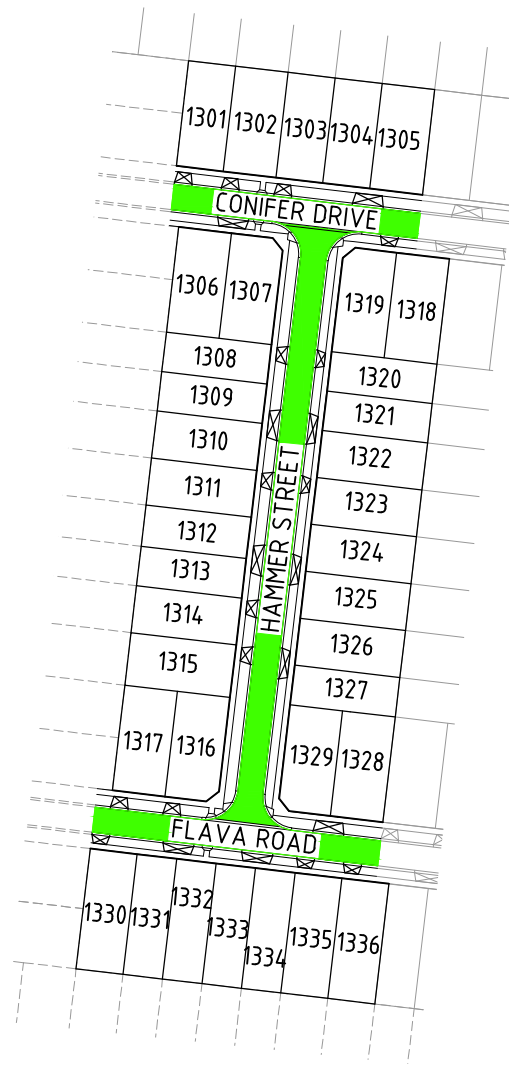
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Table 5A. Flexible Granular Pavement Design Configuration with CBR =2.0% & Swell of 4.0%

Layer	Access Lane	Access Street (Level 1)	Access Street (Level 2)	Connector Street
Asphalt (Wearing Course)	20mm, Size 7 Type L (Class 320 Binder) ¹	30mm, Size 10 Type N (Class 320 Binder)	40mm, Size 14 Type N (Class 320 Binder)	40mm, Size 14 Type N (Class 320 Binder)
Asphalt (Structural Course/Base Course)	30mm, Size 10 Type N (Class 320 Binder)	30mm, Size 10 Type N (Class 320 Binder)	40mm, Size 14 Type HP ² (Class A10E Binder)	40mm, Size 14 Type HP (Class A10E Binder)
SAMI Size 10 S18R	SAMI Layer (Pavement Thickness does not include SAMI Layer, allow 5mm total thickness)			
Prime	Primerseal or Bituminous Prime (if not subjected to the traffic during construction)			
Base (to match with kerb & channel)	140mm, Size 20mm Class 2 Crushed Rock (VicRoads)	130mm, Size 20mm Class 2 Crushed Rock (VicRoads)	110mm, Size 20mm Class 2 Crushed Rock (VicRoads)	110mm, Size 20mm Class 2 Crushed Rock (VicRoads)
Base (Lower)	-	-	-	100mm, Size 20mm Class 2 Crushed Rock (VicRoads)
Unbound Subbase / Cement Treated	100mm, Size 20mm Class 3 Crushed Rock (VicRoads)	100mm, Size 20mm Class 3 Crushed Rock (VicRoads)	100mm, Size 20mm Class 3 Crushed Rock (VicRoads)	150mm, size 20, 4% cement treated Class 3 crushed rock (VicRoads)
Lower Subbase	-	-	140mm, Size 20mm Class 4 Crushed Rock (VicRoads)	-
Capping Layer	150mm, Type A Selected Fill	150mm, Type A Selected Fill	150mm, Type A Selected Fill	150mm, Type A Selected Fill
Construction Layer ²	150mm, Type A Selected Fill	150mm, Type A Selected Fill	150mm, Type A Selected Fill	150mm, Type A Selected Fill
Subgrade	2.0% CBR & 4.0% Swell	2.0% CBR & 4.0% Swell	2.0% CBR & 4.0% Swell	2.0% CBR & 4.0% Swell
DESAs	4.71 x 10 ⁴	1.81 x 10 ⁵	7.80 x 10 ⁵	2.79 x 10 ⁵
Total Thickness	590mm	590mm	730mm	740mm

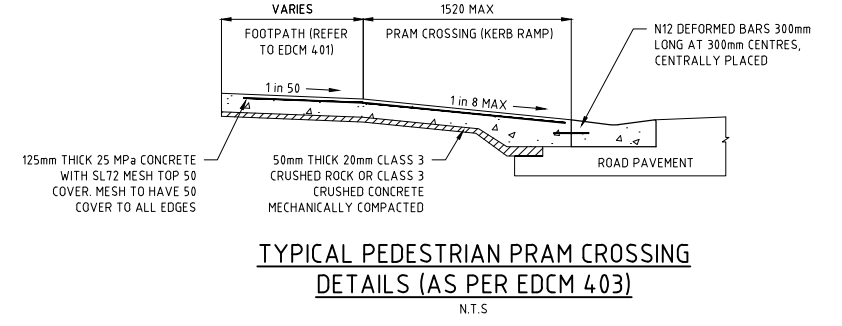
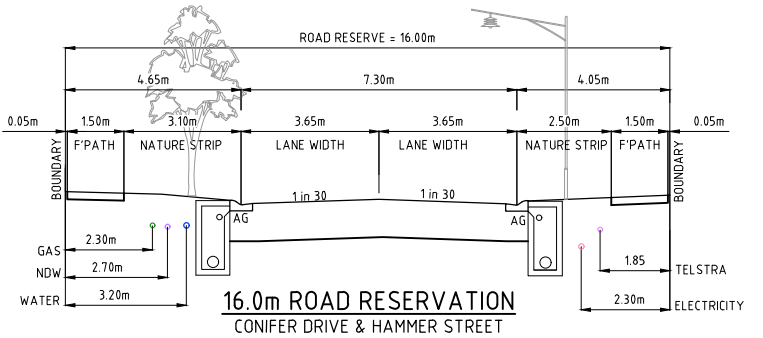
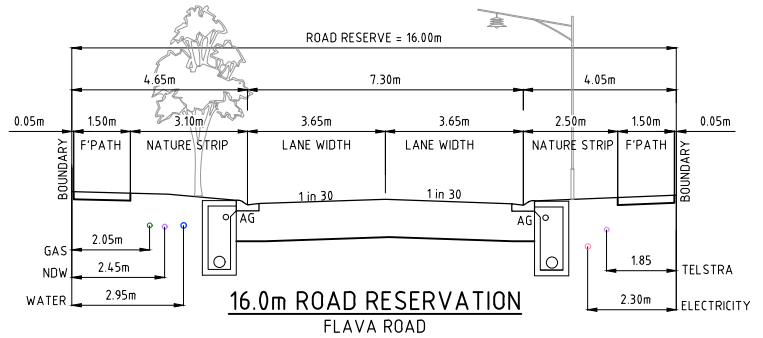


THE PAVEMENT DESIGN SHOWN HERE HAS BEEN DESIGNED/PROVIDED BY CONTINENT GEOTECH SERVICES PTY LTD WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT. URBAN DESIGN AND MANAGEMENT (UDM) IS NOT RESPONSIBLE FOR THE WORK OF CONTINENT GEOTECH SERVICES.

UDM DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK AND PAVEMENT DESIGN.

ANY QUERIES IN RESPECT TO THE GEOTECHNICAL WORK AND PAVEMENT DESIGN SHOULD BE ADDRESSED TO CONTINENT GEOTECH SERVICES PTY LTD AND SENT TO UDM.

IF THE FILL MATERIAL ON SITE IS TO BE GREATER THAN 1m FROM THE NATURAL SURFACE & THE IMPORTED FILL WITH CBR > 4.0% WILL BE FULFILLING THE ROLE OF THE SUBGRADE, REFER TO GEOTECHNICAL REPORT FOR ALTERNATIVE PAVEMENT COMPOSITION.



No	REVISION	DATE	DESIGN	APPROVED
B	EDCM4.03 DETAIL ADDED	12.01.22	MR	TP
A	ISSUED TO COUNCIL	25.10.21	MR	TP



Approved for Construction

Melway Reference
665 E4

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Traffic and Transport Engineering | Urban Design

Designed
M.ROSSITTO

Checked
T.PHILLIPS

Approved
T. MILINKOVIC

Date
OCTOBER 2021

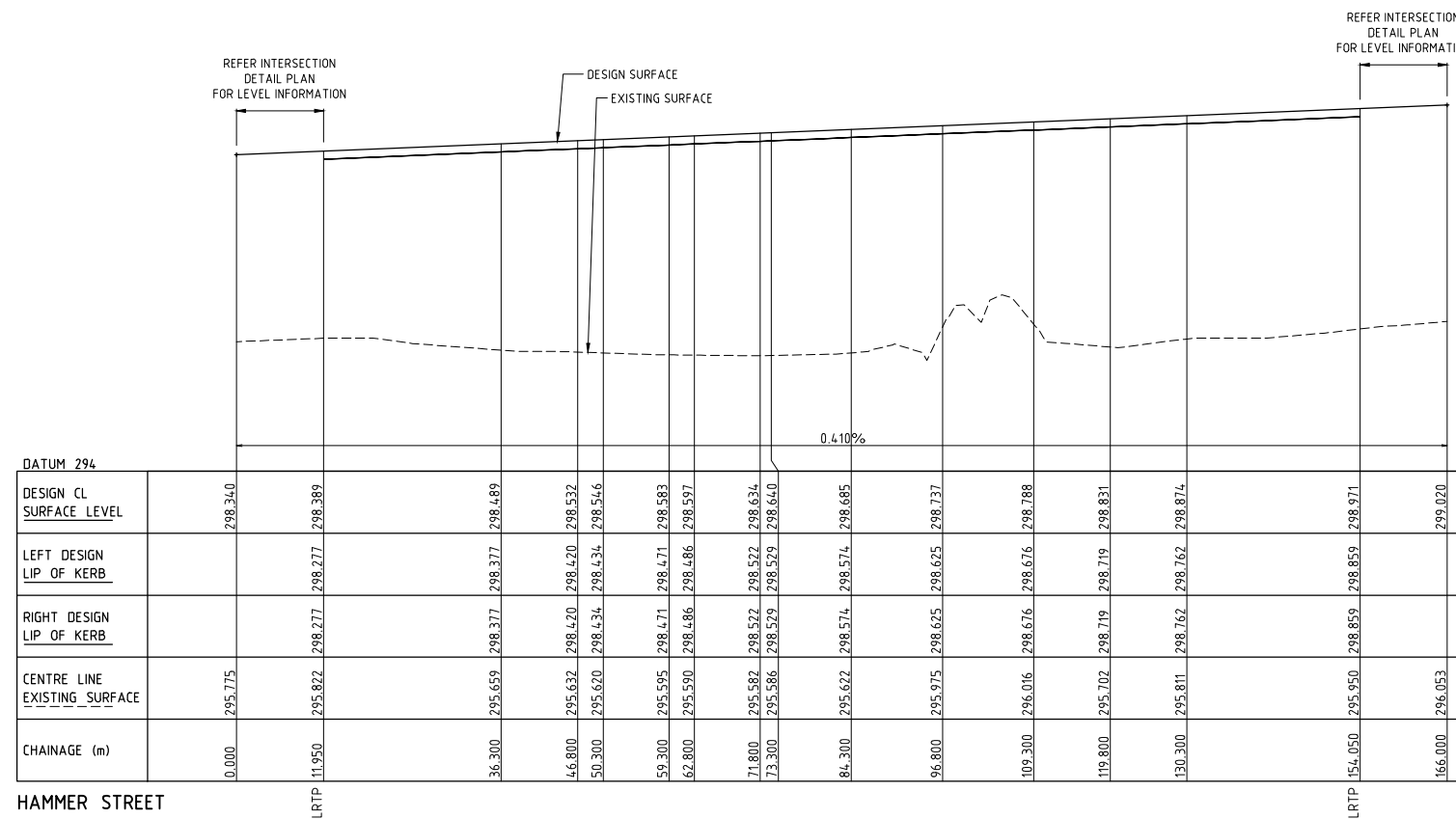
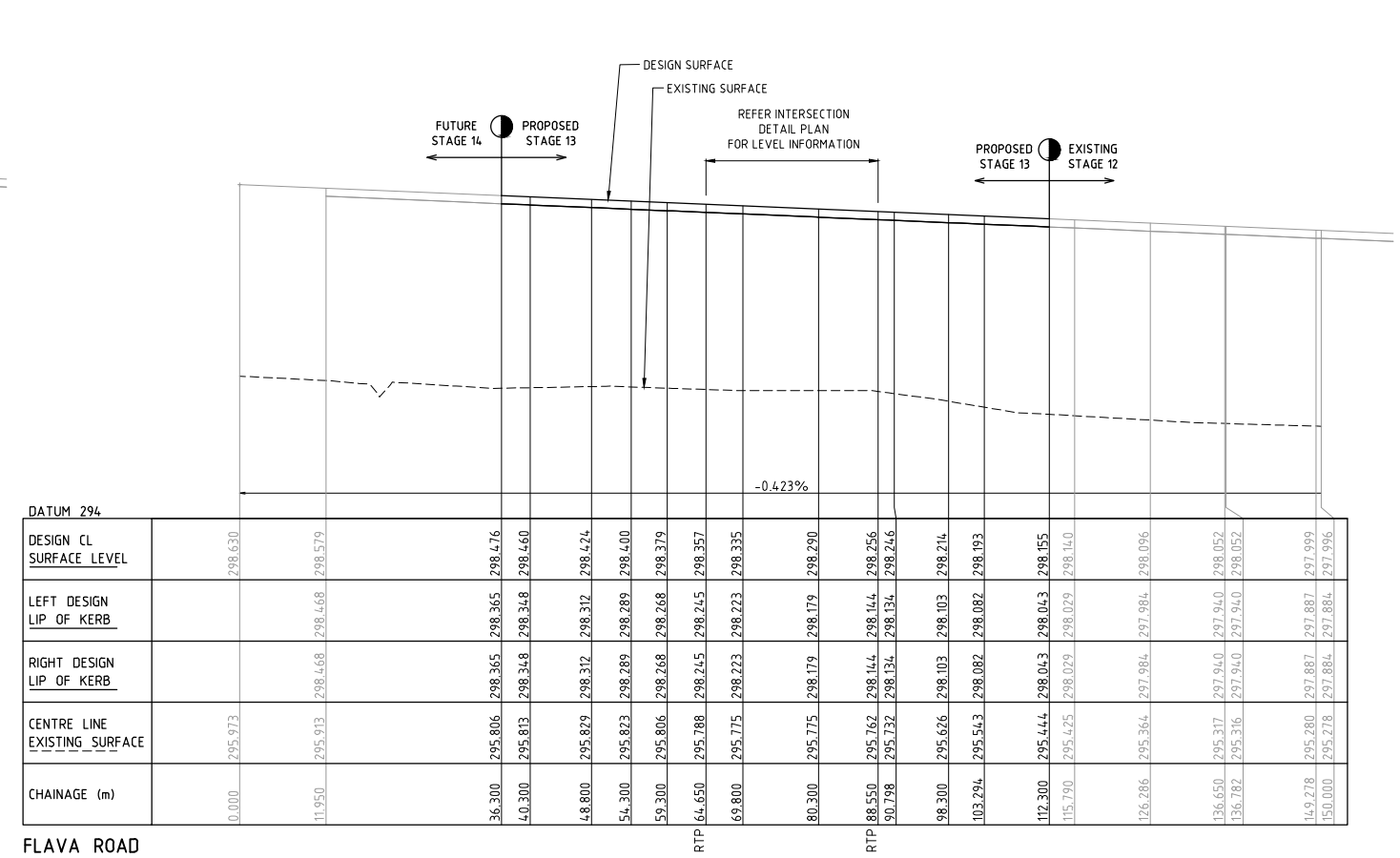
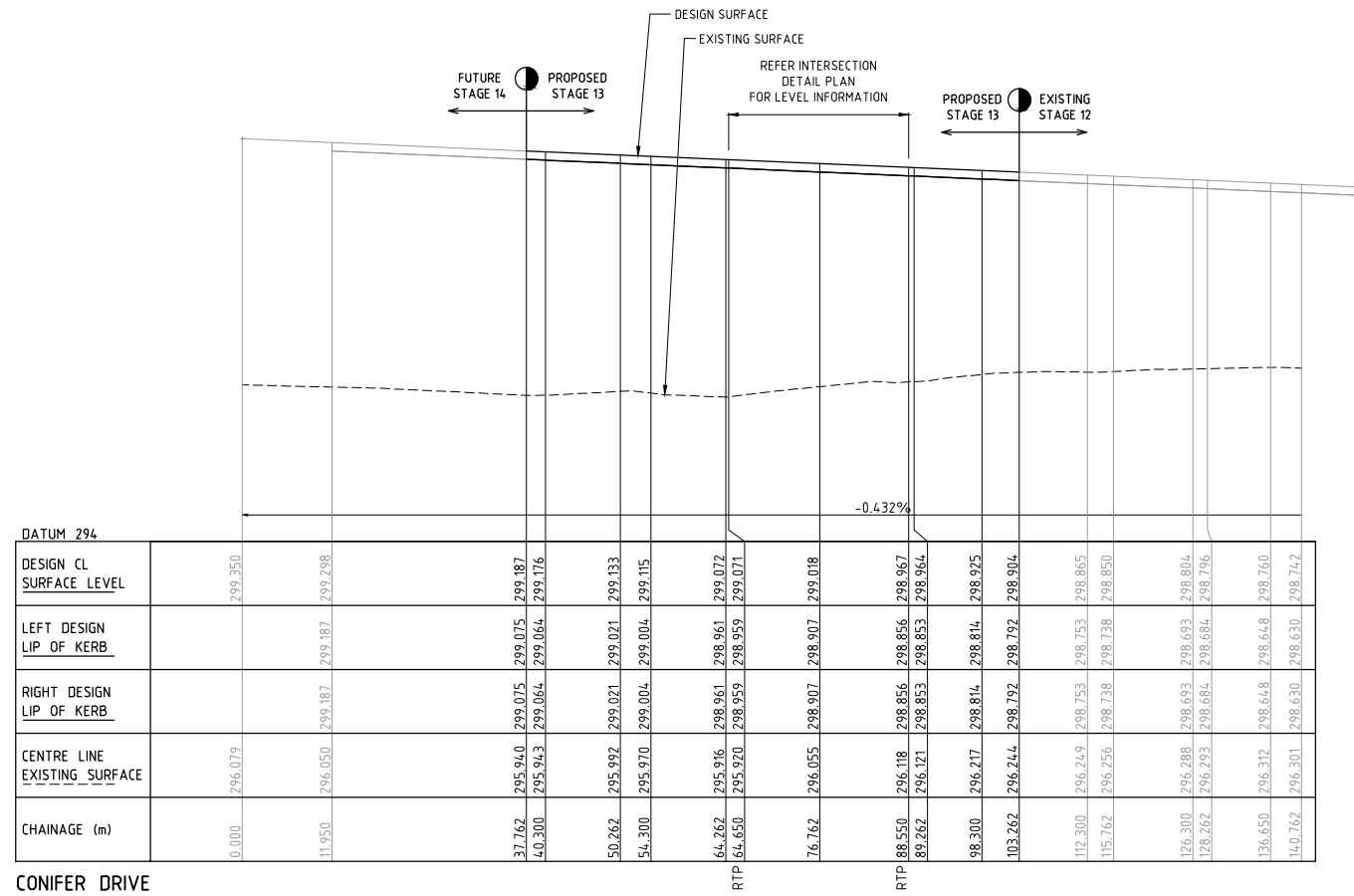
NEWBRIDGE SOUTH ESTATE
STAGE 13
MITCHELL SHIRE COUNCIL
PAVEMENT DETAILS & TYPICAL SECTIONS

APPROVED
By Mohammad Sikder at 5:15 pm, Feb 03, 2022

MITCHELL SHIRE COUNCIL
APPROVED PLAN

Drawing No: 18040-13-03
Revision: B
Sheet No: 03 of 11
Scale @ A1 1:1000
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No	REVISION	DATE	DESIGN	APPROVED
B	CONSTRUCTION ISSUE	12.01.22	MR	TP
A	ISSUED TO COUNCIL	25.10.21	MR	TP

RESIMAX GROUP
MITCHELL SHIRE COUNCIL

Approved for Construction

Melway Reference
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Traffic and Transport Engineering | Urban Design

Designed
M.ROSSITTO

Checked
T.PHILLIPS

Approved
T. MILINKOVIC

Date
OCTOBER 2021

NEWBRIDGE SOUTH ESTATE

STAGE 13
MITCHELL SHIRE COUNCIL
LONGITUDINAL SECTIONS
CONIFER DRIVE, FLAVA ROAD &
HAMMER STREET

MITCHELL SHIRE COUNCIL
APPROVED PLAN

By Mohammad Sikar at 5:15 pm, Feb 03, 2022

Drawing No: 18040-13-04

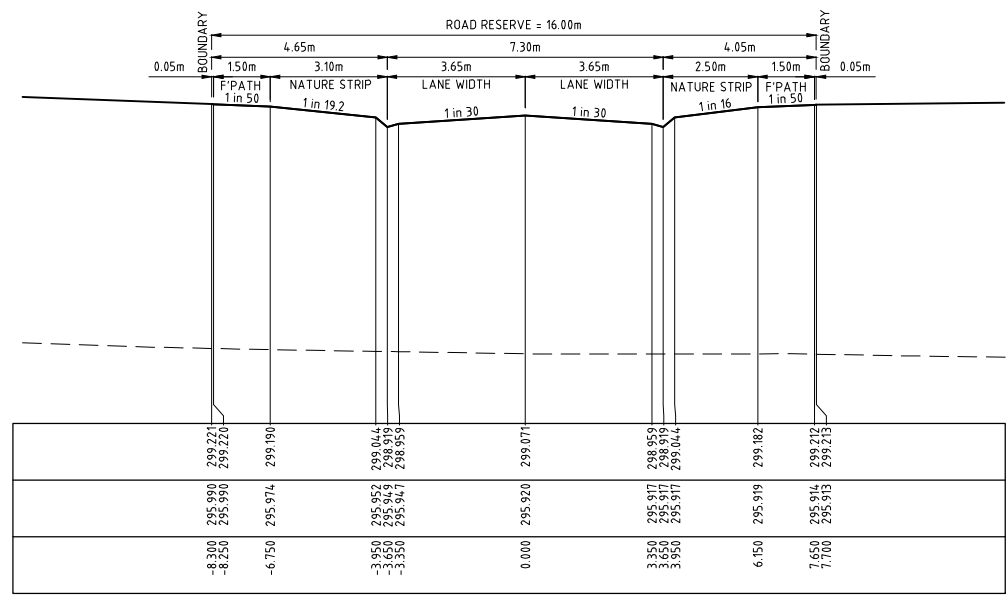
Revision: B

Sheet No: 04 of 11

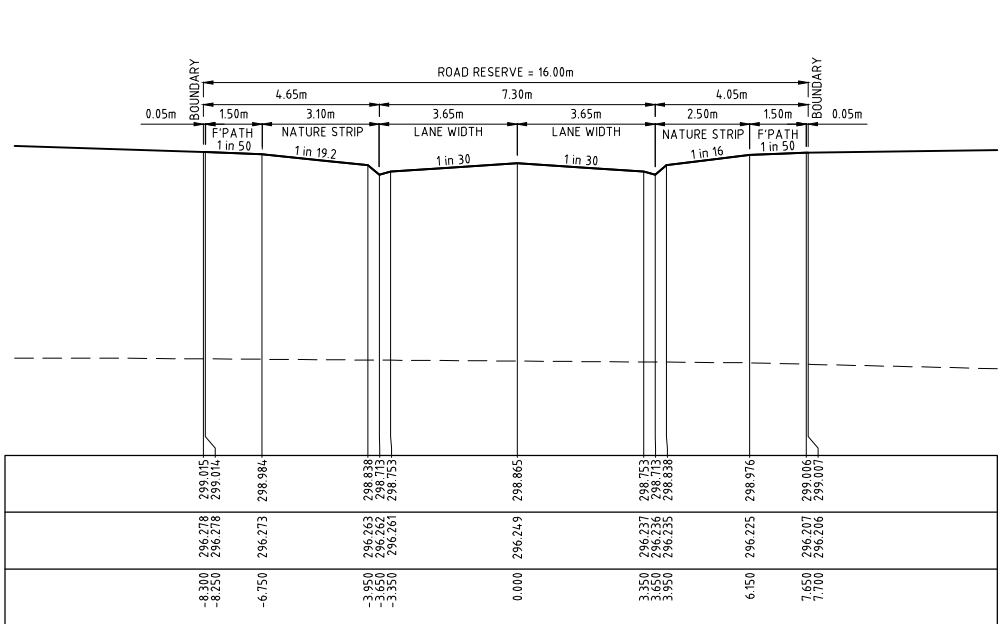
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H1:500, V1:50
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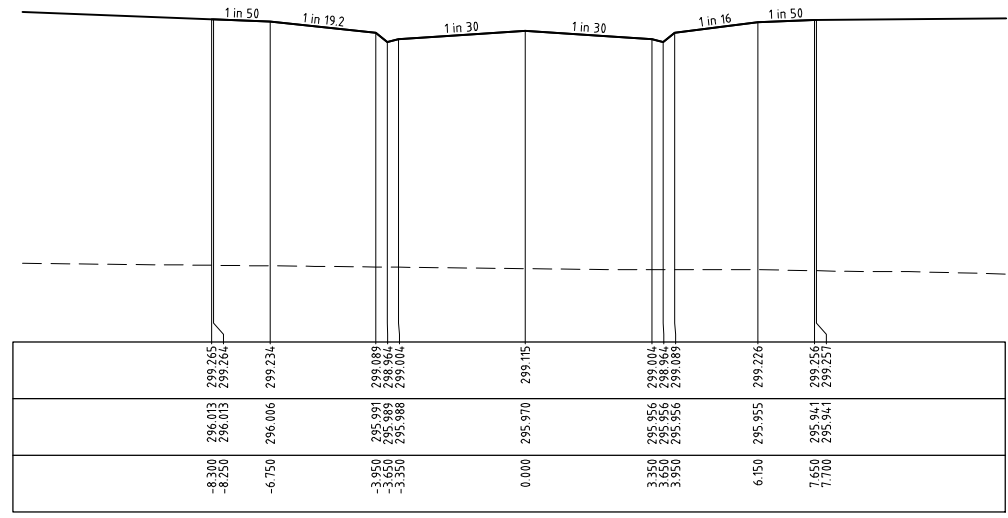
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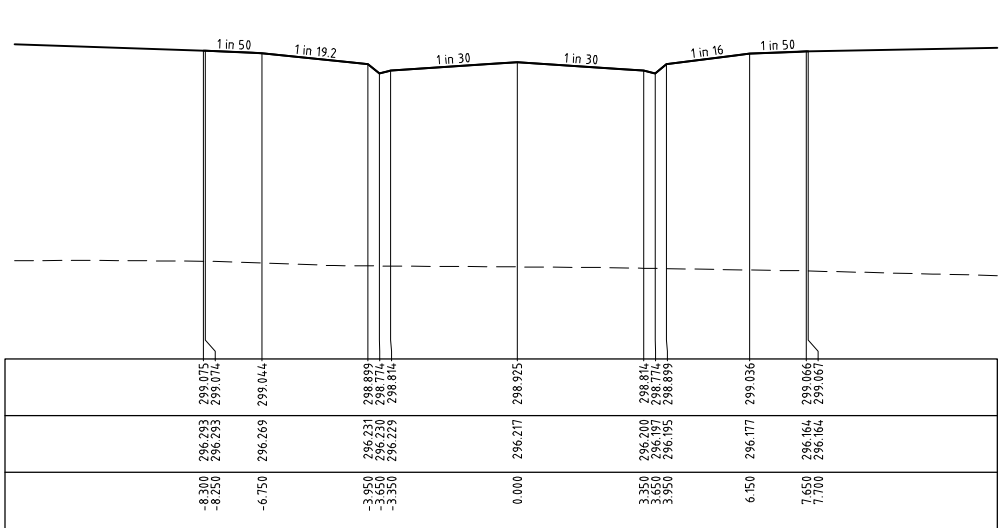
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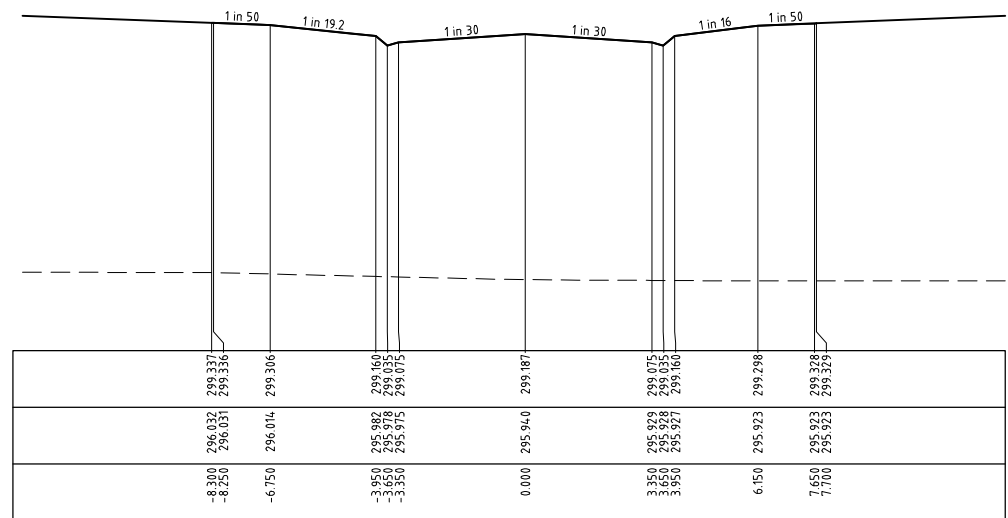
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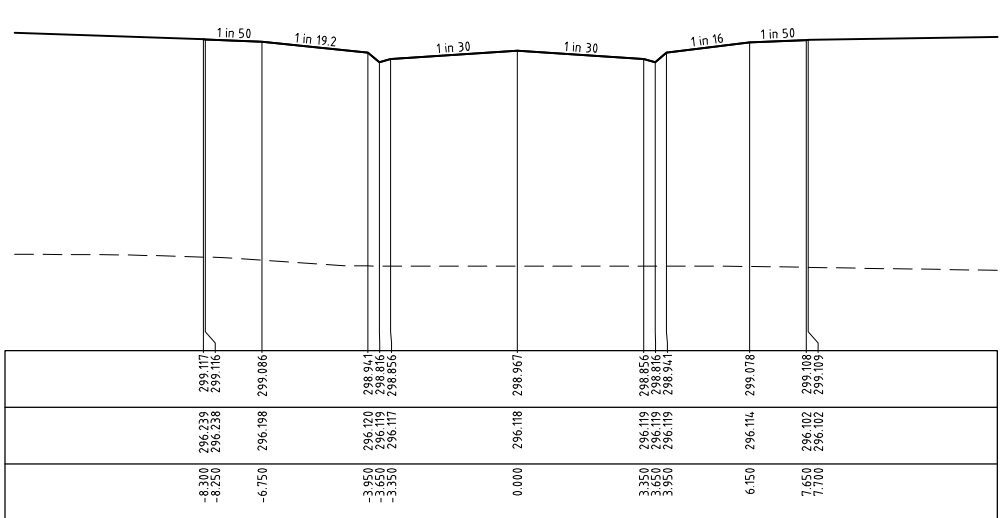
CH 54.300



CH 98.300



CH 37.762



RTPCH 88.550

B	SECTIONS UPDATED	12.01.22	MR	TP
A	ISSUED TO COUNCIL	25.10.21	MR	TP
No	REVISION	DATE	DESIGNER	APPROVED



Approved for Construction

Melway Reference
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Designed
M.ROSSITTO

Checked
T.PHILLIPS

Approved
T. MILINKOVIC

Date
OCTOBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 13
MITCHELL SHIRE COUNCIL
CROSS SECTIONS - CONIFER DRIVE

APPROVED
By Mohammad Sikder at 5:15 pm, Feb 03, 2022

MITCHELL SHIRE COUNCIL
APPROVED PLAN

Drawing No: 18040-13-05

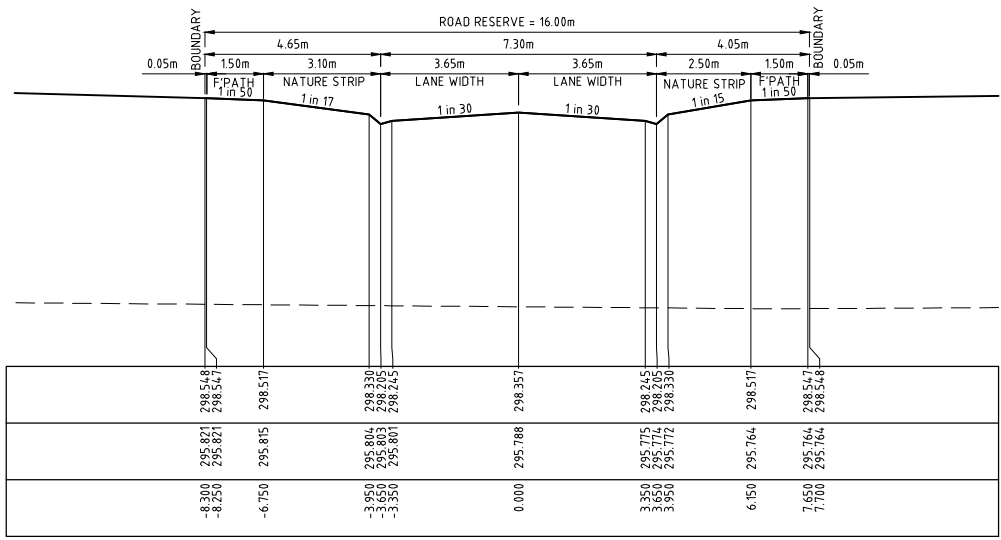
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Sheet No: 05 of 11

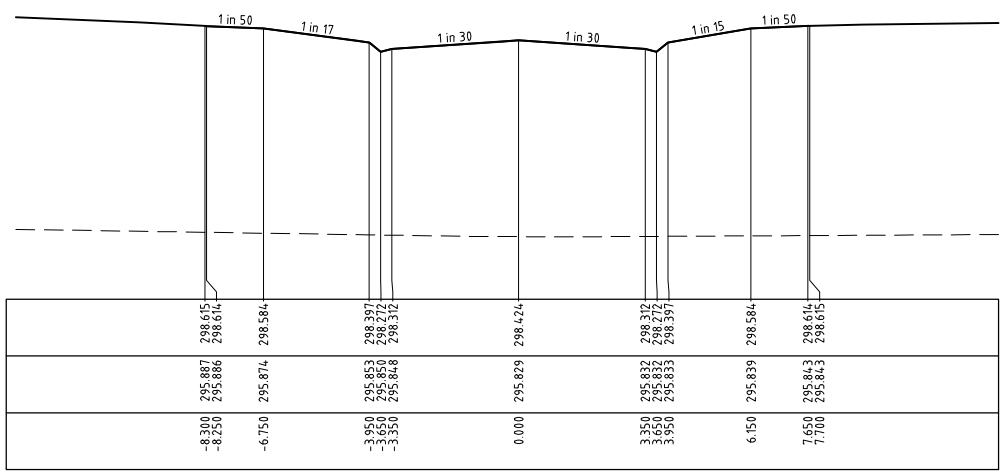
Scale @ A1
H1:100, V1:50

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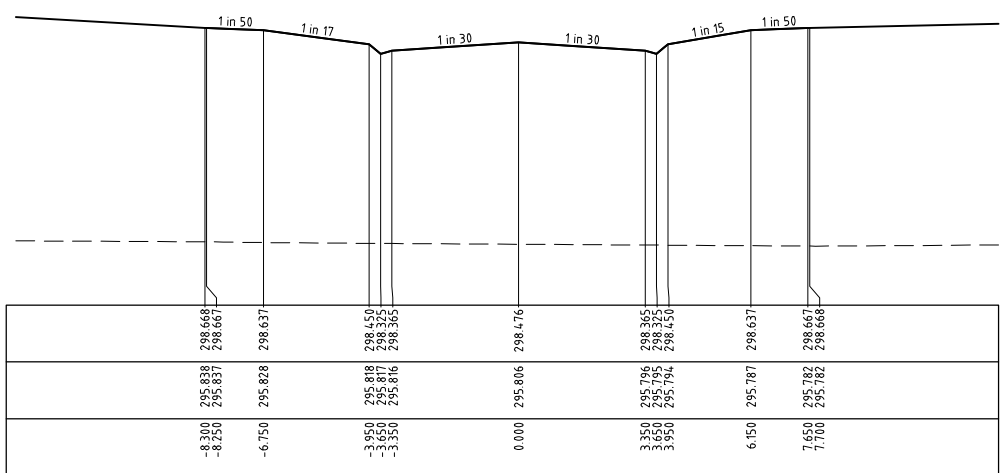
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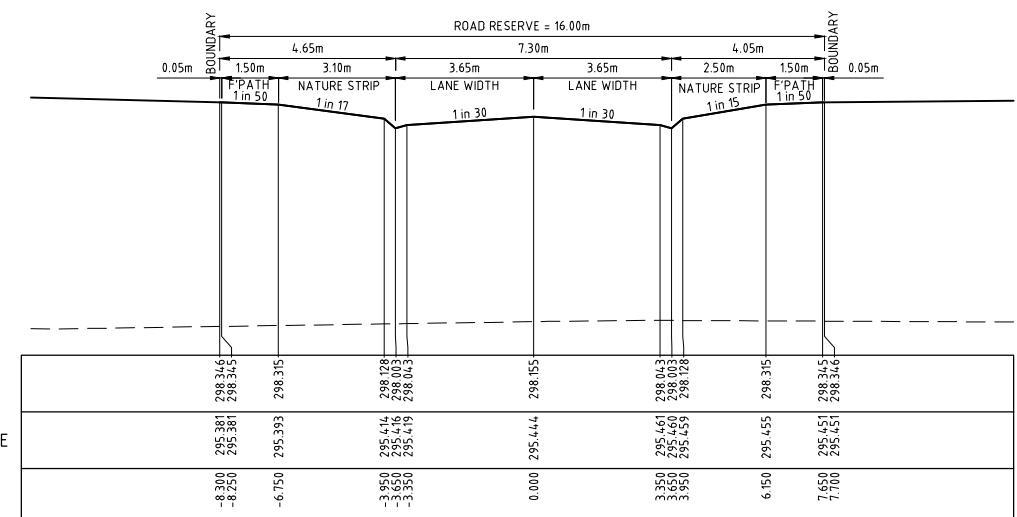
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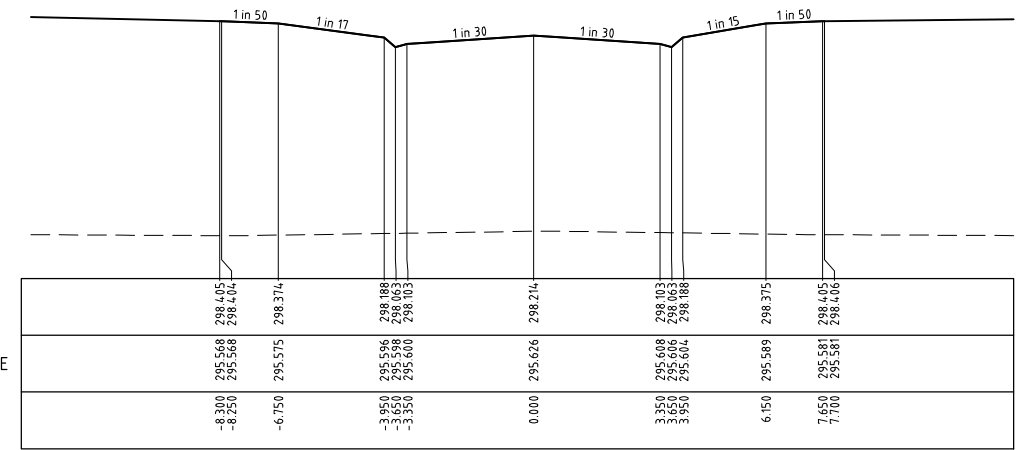
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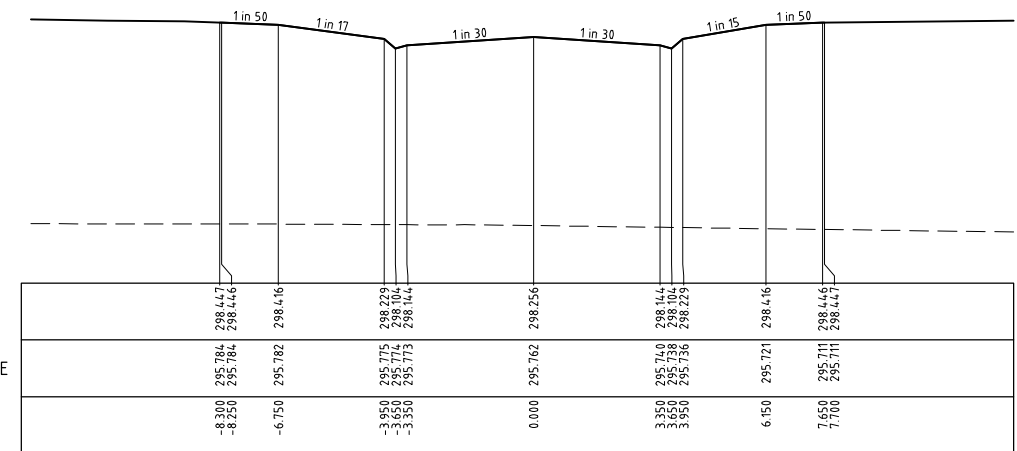
CH 36.300



CH 112.300



CH 98.300



RTPCH 88.550

B	SECTIONS UPDATED	12.01.22	MR	TP
A	ISSUED TO COUNCIL	25.10.21	MR	TP
No	REVISION	DATE	DESIGN	APPROVED



Approved for Construction

Melway Reference
665 E4

Principal
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Project Management | Land Development | Civil Engineering |
Traffic and Transport Engineering | Urban Design

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Checked
T.PHILLIPS

Approved
T. MILINKOVIC

Date
OCTOBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 13
MITCHELL SHIRE COUNCIL
CROSS SECTIONS - FLAVA ROAD

APPROVED
By Mohammad Sikder at 5:15 pm, Feb 03, 2022

MITCHELL SHIRE COUNCIL
APPROVED PLAN

Drawing No: 18040-13-06

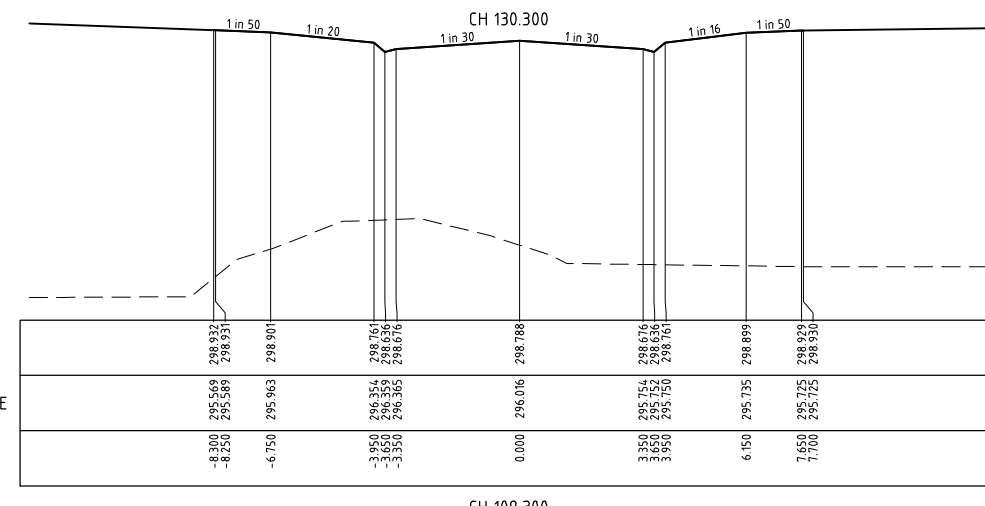
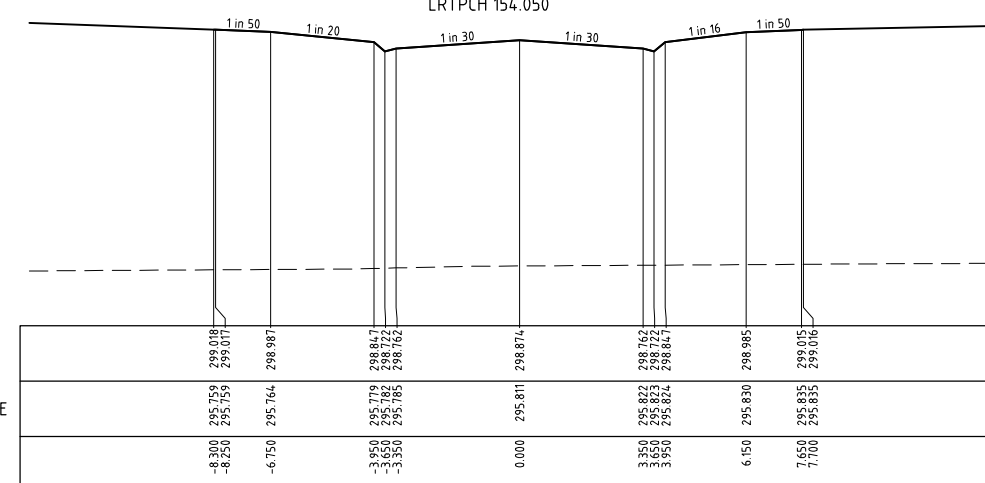
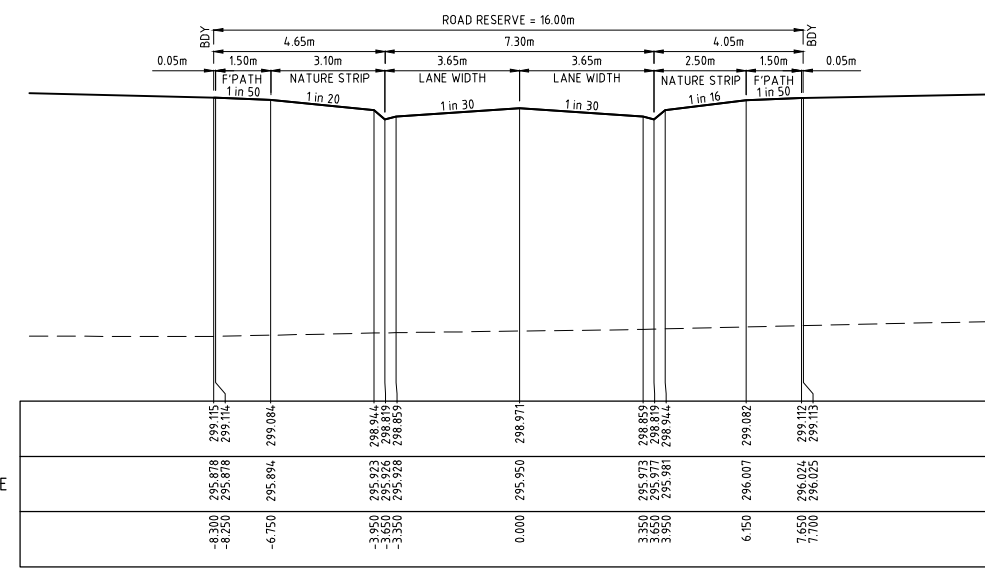
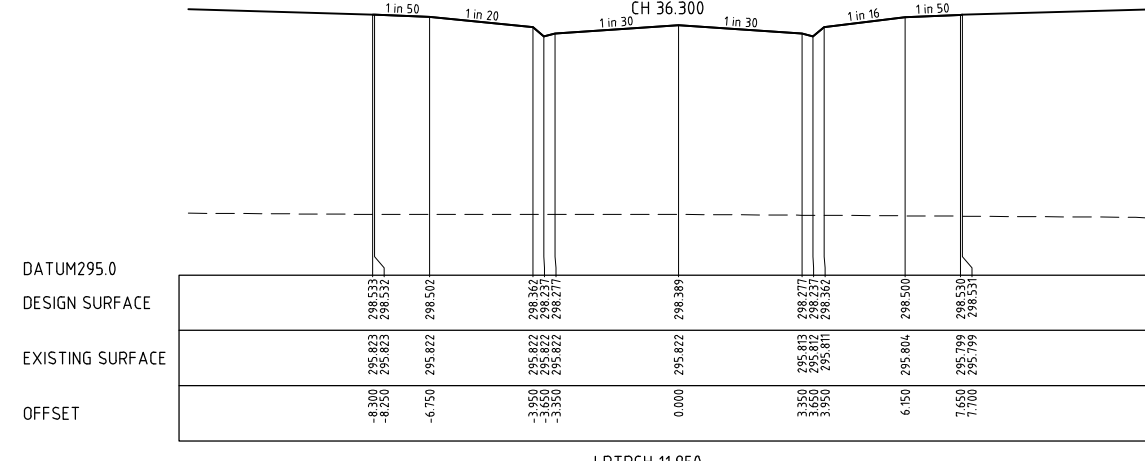
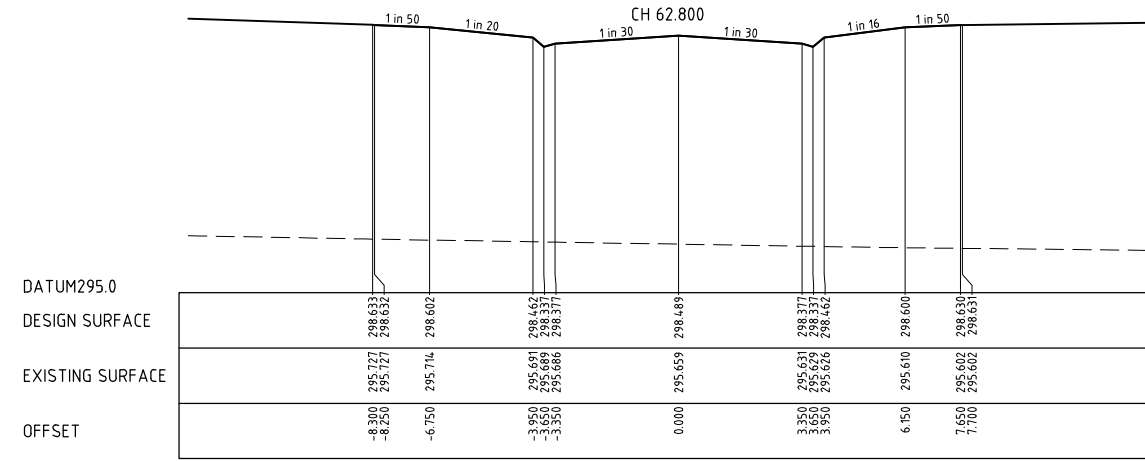
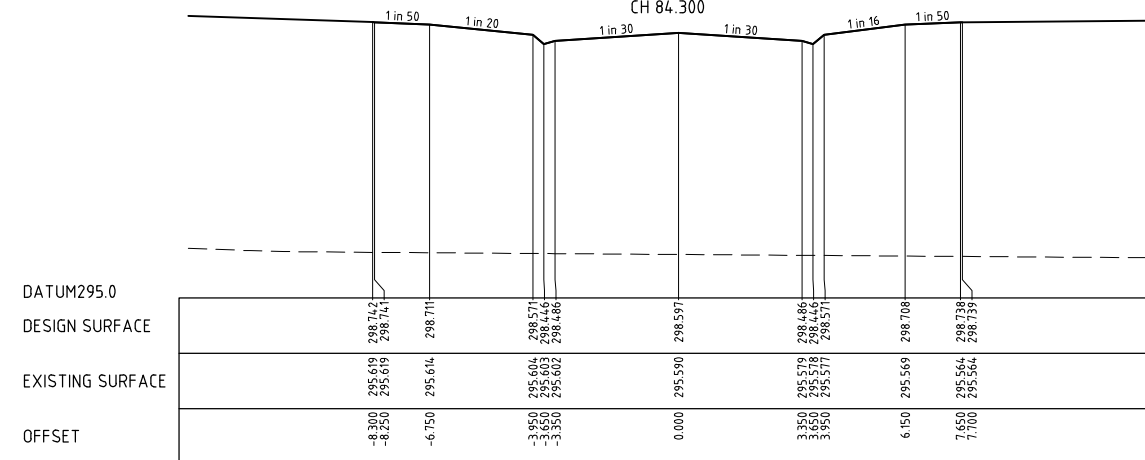
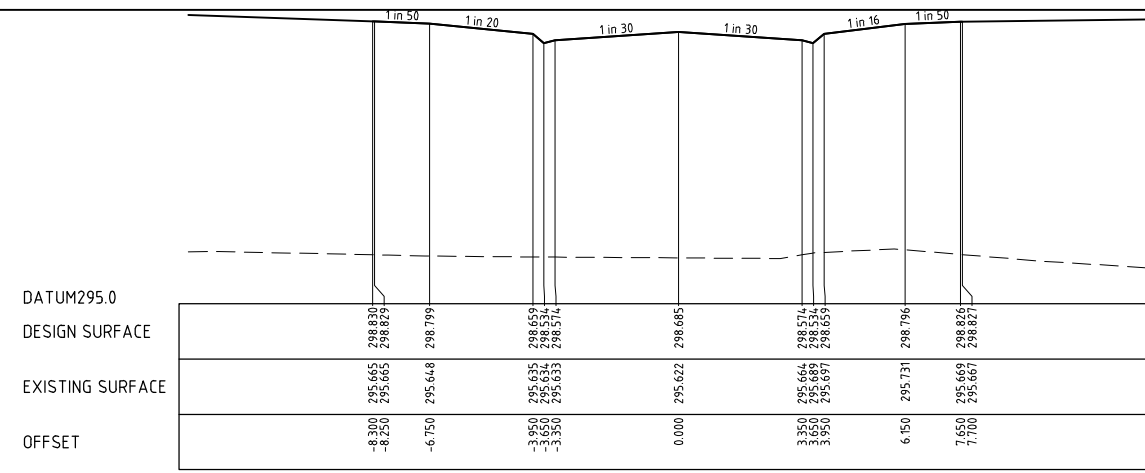
Revision: B

Sheet No: 06 of 11

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ABN 62 525 443 156

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---	DESIGN LINE



B	SECTIONS UPDATED	12.01.22	MR	TP
A	ISSUED TO COUNCIL	25.10.21	MR	TP
No	REVISION	DATE	DESIGNER	APPROVED

Approved for Construction

Melway Reference
665 E4

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Traffic and Transport Engineering | Urban Design

Designed
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Checked
T.PHILLIPS

Approved
T. MILINKOVIC

Date
OCTOBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 13
MITCHELL SHIRE COUNCIL
CROSS SECTIONS - HAMMER STREET

APPROVED
By Mohammad Sikdar at 5:15 pm, Feb 03, 2022

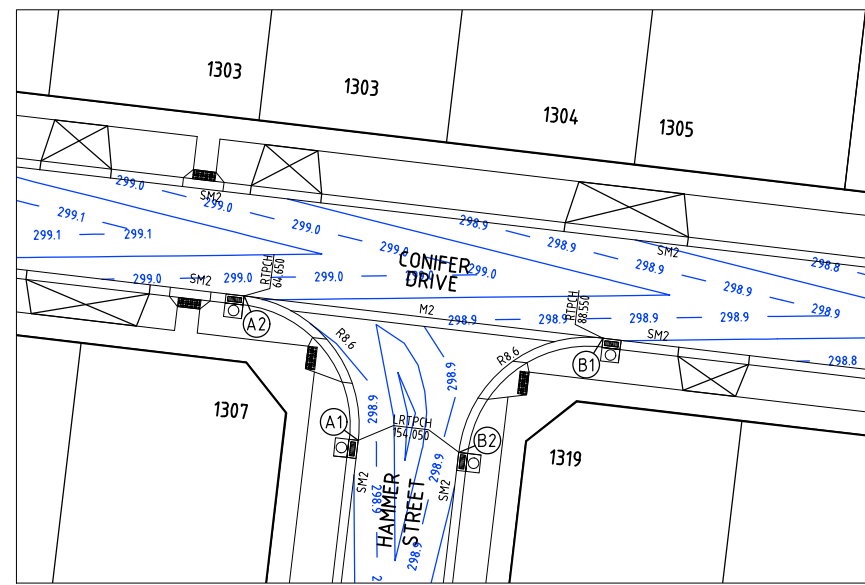
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Revision: B

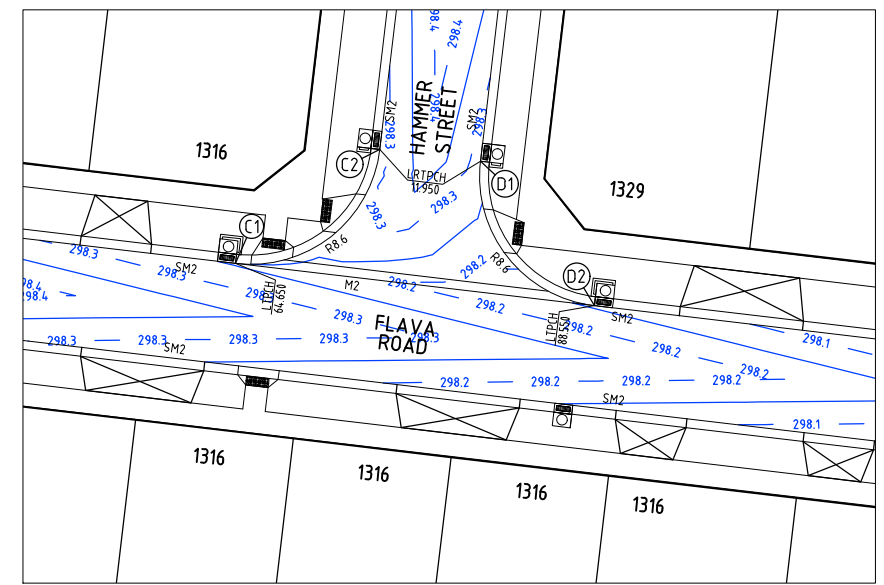
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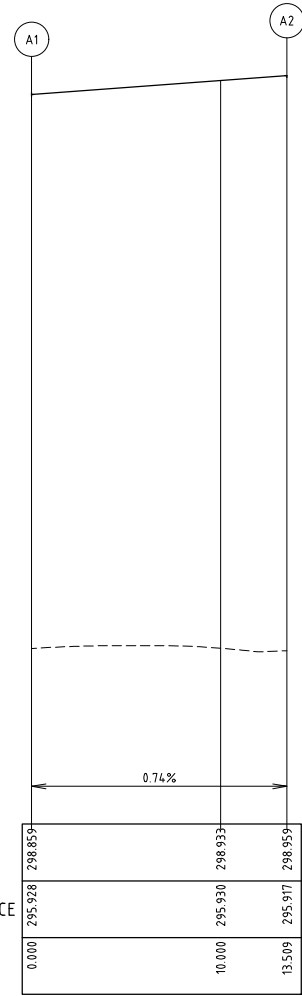
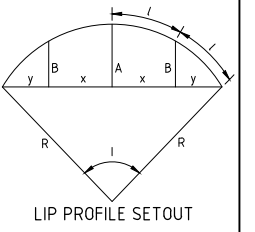
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INTERSECTION DETAIL PLAN
CONIFER DRIVE & HAMMER STREET
SCALE 1:250



INTERSECTION DETAIL PLAN
FLAVA ROAD & HAMMAR STREET
SCALE 1:250

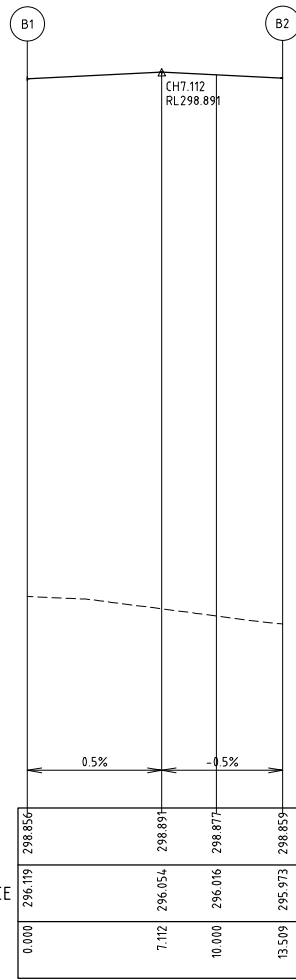


SCALE H 1:250 V 1:25
LIP LINE A

Alignment A

Point no	Easting	Northing	RL
A1	1762.896	2354.277	298.859
A2	1755.362	2363.824	298.959

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
A1 - A2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	298.909

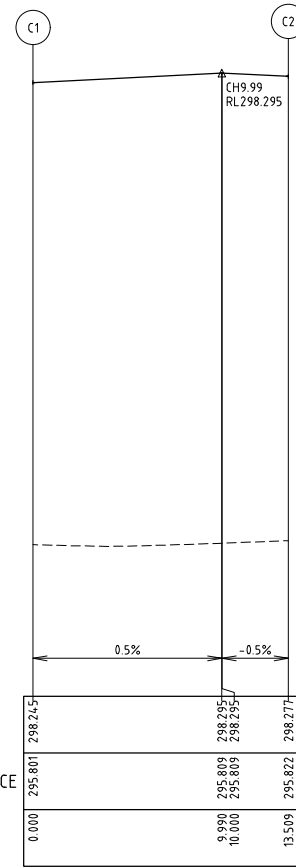


SCALE H 1:250 V 1:25
LIP LINE B

Alignment B

Point no	Easting	Northing	RL
B1	1779.097	2361.027	298.856
B2	1769.550	2353.493	298.859

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
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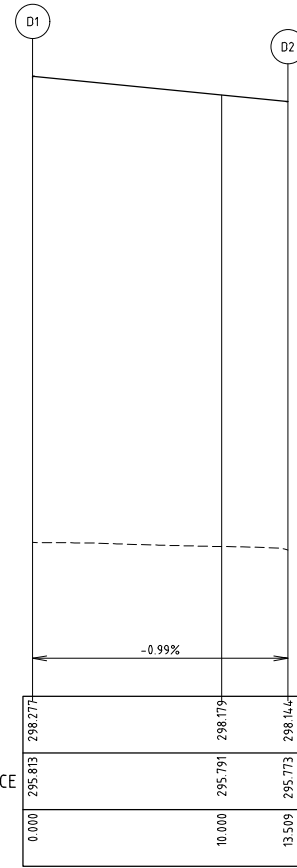


SCALE H 1:250 V 1:25
LIP LINE C

Alignment C

Point no	Easting	Northing	RL
C1	1736.722	2205.618	298.245
C2	1746.269	2213.153	298.277

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
C1 - C2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	298.279



SCALE H 1:250 V 1:25
LIP LINE D

Alignment D

Point no	Easting	Northing	RL
D1	1752.923	2212.369	298.277
D2	1760.458	2202.822	298.144

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
D1 - D2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	298.211

No	REVISION	DATE	DESIGN	APPROVED
B	CONSTRUCTION ISSUE	12.01.22	MR	TP
A	ISSUED TO COUNCIL	25.10.21	MR	TP



Melway Reference
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Designed
M.ROSSITTO

Checked
T.PHILLIPS

Approved
T. MILINKOVIC

Date
OCTOBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 13
MITCHELL SHIRE COUNCIL
INTERSECTION DETAIL PLAN

MITCHELL SHIRE COUNCIL

Drawing No: 18040-13-08

Revision: B

Sheet No: 08 of 11

Scale @ A1
AS SHOWN

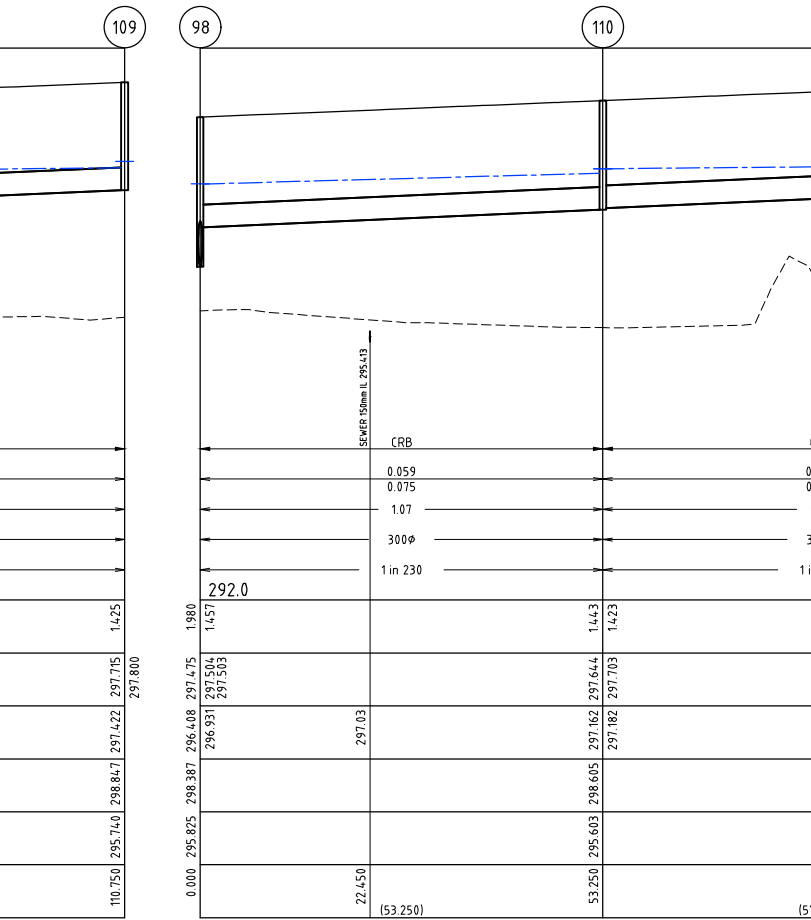
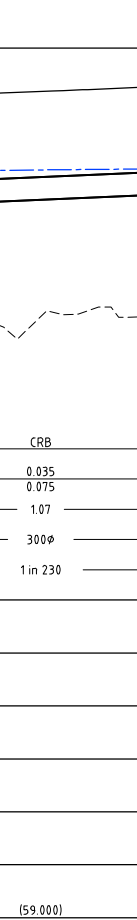
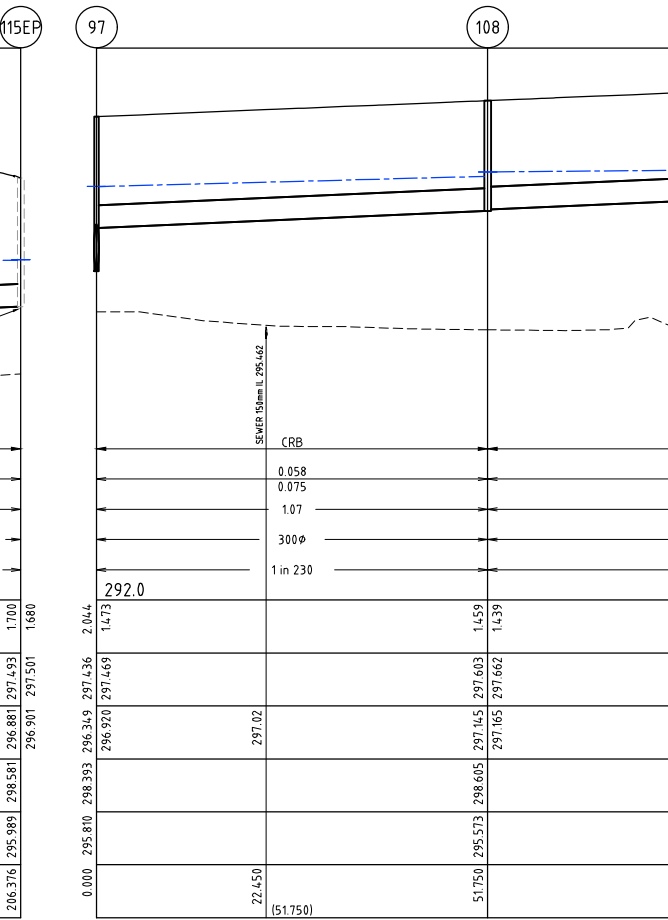
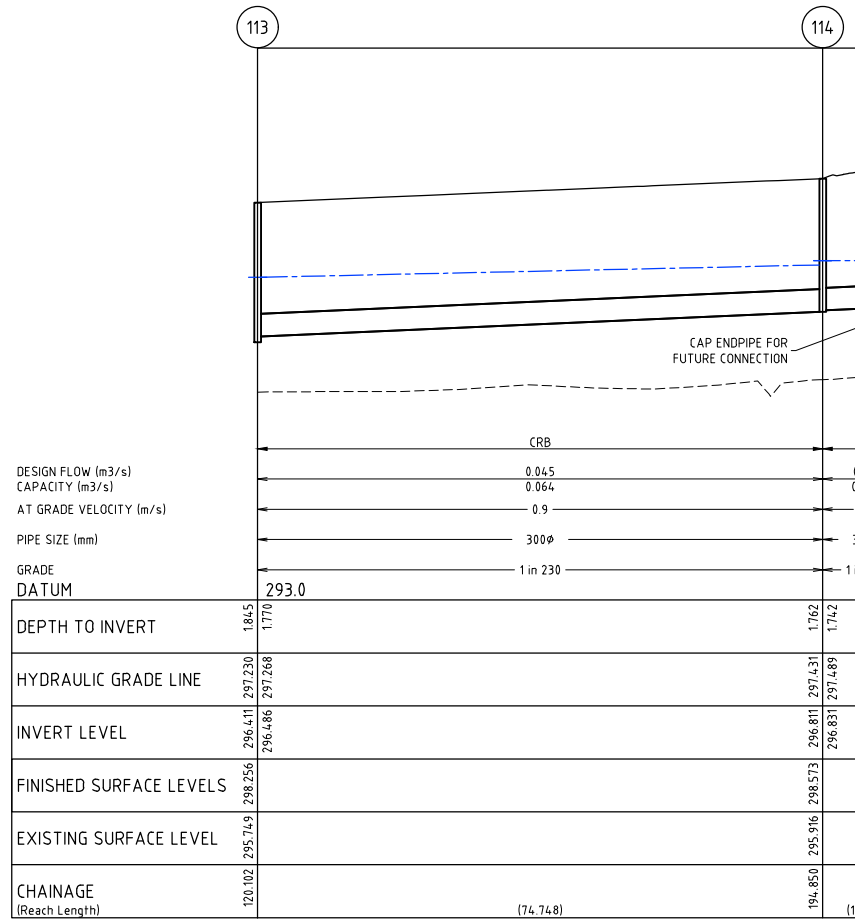
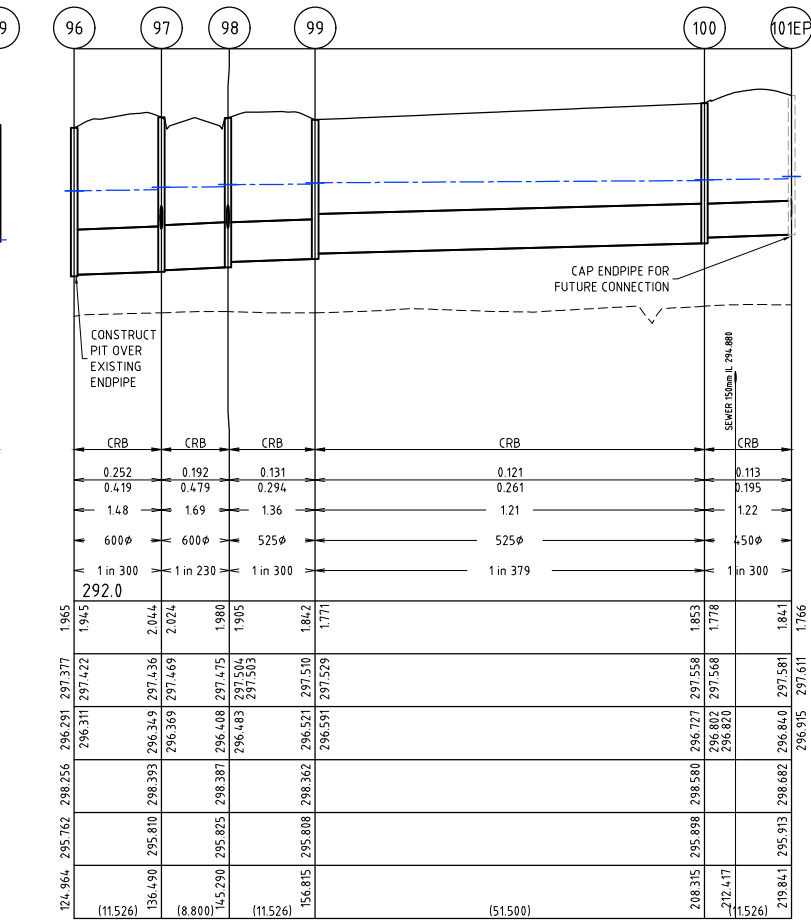
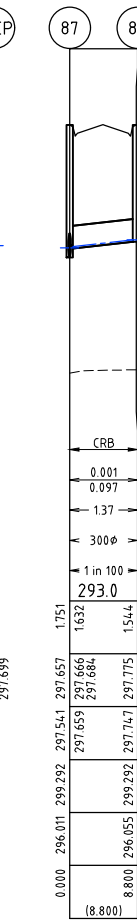
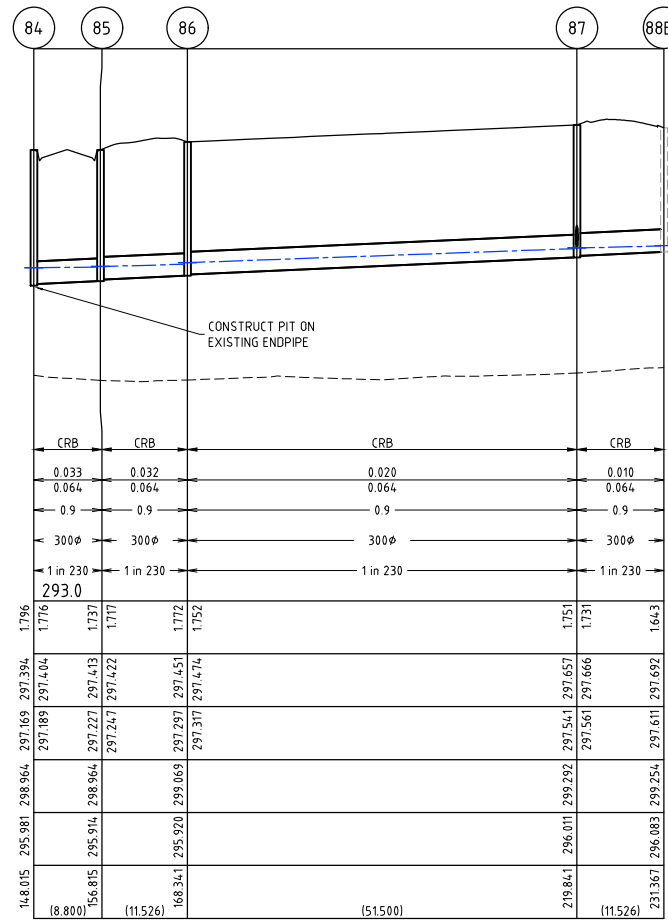
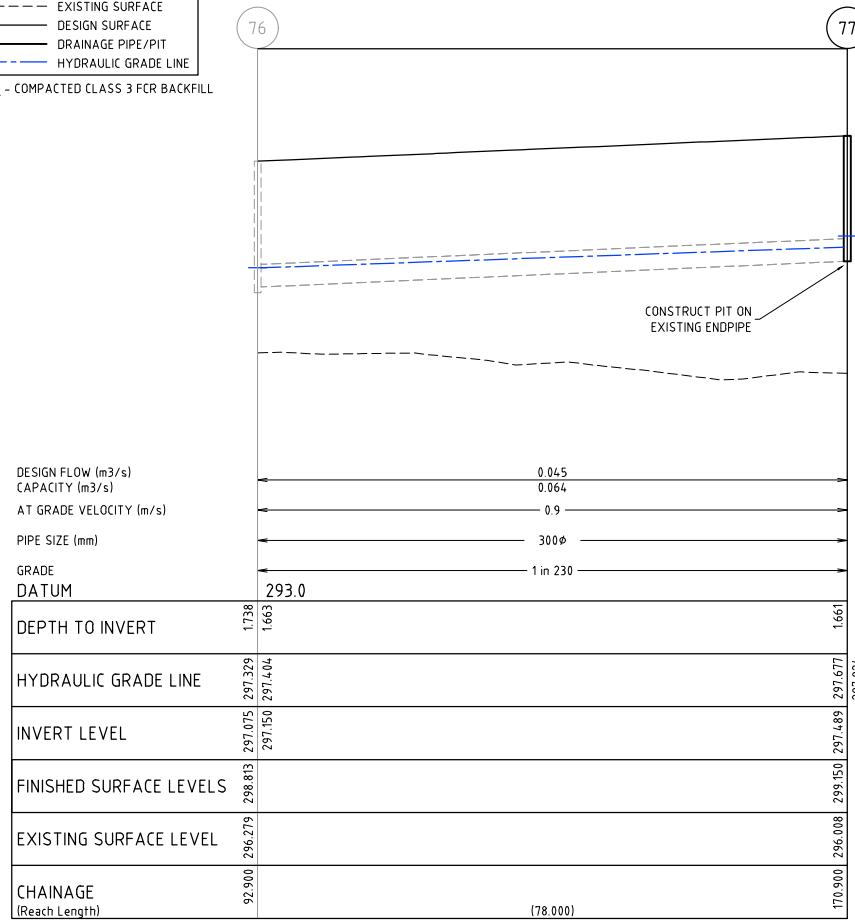
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plotted by Mark Rossitto plot date 1/12/2022 10:03 AM

---	EXISTING SURFACE
—	DESIGN SURFACE
—	DRAINAGE PIPE/PIT
—	HYDRAULIC GRADE LINE

CRB - COMPACTED CLASS 3 FCR BACKFILL



B	LONG SECTIONS UPDATED	12.01.22	MR	TP
A	ISSUED TO COUNCIL	25.10.21	MR	TP
No	REVISION	DATE	DESIGNER	APPROVED

RESIMAX GROUP
MITCHELL SHIRE COUNCIL

Approved for Construction

Melway Reference
665 E4

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Project Management | Land Development | Civil Engineering |
Traffic and Transport Engineering | Urban Design

Designed
M.ROSSITTO

Checked
T.PHILLIPS

Approved
T. MILINKOVIC

Date
OCTOBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 13
MITCHELL SHIRE COUNCIL
DRAINAGE LONGITUDINAL SECTIONS

APPROVED
By Mohammad Sikdar at 5:15 pm, Feb 03, 2022

MITCHELL SHIRE COUNCIL
APPROVED PLAN

Drawing No: 18040-13-09

Revision: B

Sheet No: 09 of 11

Scale @ A1
H1:500, V1:50
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LEGEND
 - - - - - EXISTING SURFACE
 _____ DESIGN SURFACE
 _____ DRAINAGE PIPE/PIT
 _____ HYDRAULIC GRADE LINE
 CRB - COMPACTED CLASS 3 FCR BACKFILL

PIT SCHEDULE											
NAME	TYPE	INTERNAL		INLET		OUTLET		PIT		STD DWG	REMARKS
		WIDTH	LENGTH	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH		
77	GRATED SIDE ENTRY PIT	600	900			EX 300	297.489	299.15	1.661	EDCM 603	CONSTRUCT PIT OVER EXISTING PIPE
84	GRATED SIDE ENTRY PIT	600	900	300	297.189	EX 300	297.169	298.964	1.796	EDCM 603	CONSTRUCT PIT OVER EXISTING PIPE
85	GRATED SIDE ENTRY PIT	600	900	300	297.247	300	297.227	298.964	1.737	EDCM 603	
86	GRATED SIDE ENTRY PIT	600	900	300	297.317	300	297.297	299.069	1.772	EDCM 603	
87	GRATED SIDE ENTRY PIT	600	900	300	297.561	300	297.541	299.292	1.751	EDCM 603	
				300	297.659						
88EP	ENDPIPE					300	297.611				CAP ENDPIPE FOR FUTURE CONNECTION
89	GRATED SIDE ENTRY PIT	600	900			300	297.747	299.292	1.544	EDCM 603	
96	GRATED SIDE ENTRY PIT	900	1200	600	296.311	EX 600	296.291	298.256	1.965	SD1023	CONSTRUCT PIT OVER EXISTING PIPE. VICROADS DOUBLE HAUNCHED PIT
97	GRATED SIDE ENTRY PIT	600	1200	600	296.369	600	296.349	298.393	2.044	EDCM 603 & EDCM 607	
				300	296.92						
98	GRATED SIDE ENTRY PIT	600	1200	525	296.483	600	296.408	298.387	1.98	EDCM 603	
				300	296.931						
99	GRATED SIDE ENTRY PIT	900	1200	525	296.591	525	296.521	298.362	1.842	EDCM 603	
100	GRATED SIDE ENTRY PIT	750	900	450	296.802	525	296.727	298.58	1.853	EDCM 603	
101EP	ENDPIPE					450	296.84				CAP ENDPIPE FOR FUTURE CONNECTION
108	GRATED SIDE ENTRY PIT	600	900	300	297.165	300	297.145	298.599	1.454	EDCM 603	
109	GRATED SIDE ENTRY PIT	600	900			300	297.422	298.841	1.419	EDCM 603	
110	GRATED SIDE ENTRY PIT	600	900	300	297.182	300	297.162	298.605	1.443	EDCM 603	
111	GRATED SIDE ENTRY PIT	600	900			300	297.432	298.841	1.409	EDCM 603	
113	GRATED SIDE ENTRY PIT	600	900	300	296.486	EX 375	296.411	298.256	1.845	EDCM 603	CONSTRUCT PIT OVER EXISTING PIPE
114	GRATED SIDE ENTRY PIT	600	900	300	296.831	300	296.811	298.573	1.762	EDCM 603	
115EP	ENDPIPE					300	296.881				CAP ENDPIPE FOR FUTURE CONNECTION

B	PIT SCHEDULE UPDATED	12.01.22	MR	TP
A	ISSUED TO COUNCIL	25.10.21	MR	TP
No	REVISION	DATE	DES/DT	APPROVED



RESIMAX GROUP
 MITCHELL SHIRE COUNCIL

Approved for Construction

Melway Reference
665 E4

Principal
RESIMAX GROUP PTY LTD
2 DREWERY PLACE
MELBOURNE VIC 3000

UrbanDesign
and management

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Project Management | Land Development | Civil Engineering |
Traffic and Transport Engineering | Urban Design

Designed
M.ROSSITTO

Checked
T.PHILLIPS

Approved
T. MILINKOVIC

Date
OCTOBER 2021

NEWBRIDGE SOUTH ESTATE
 STAGE 13
 MITCHELL SHIRE COUNCIL
 PIT SCHEDULE



APPROVED
By Mohammad Sikder at 5:15 pm, Feb 03, 2022

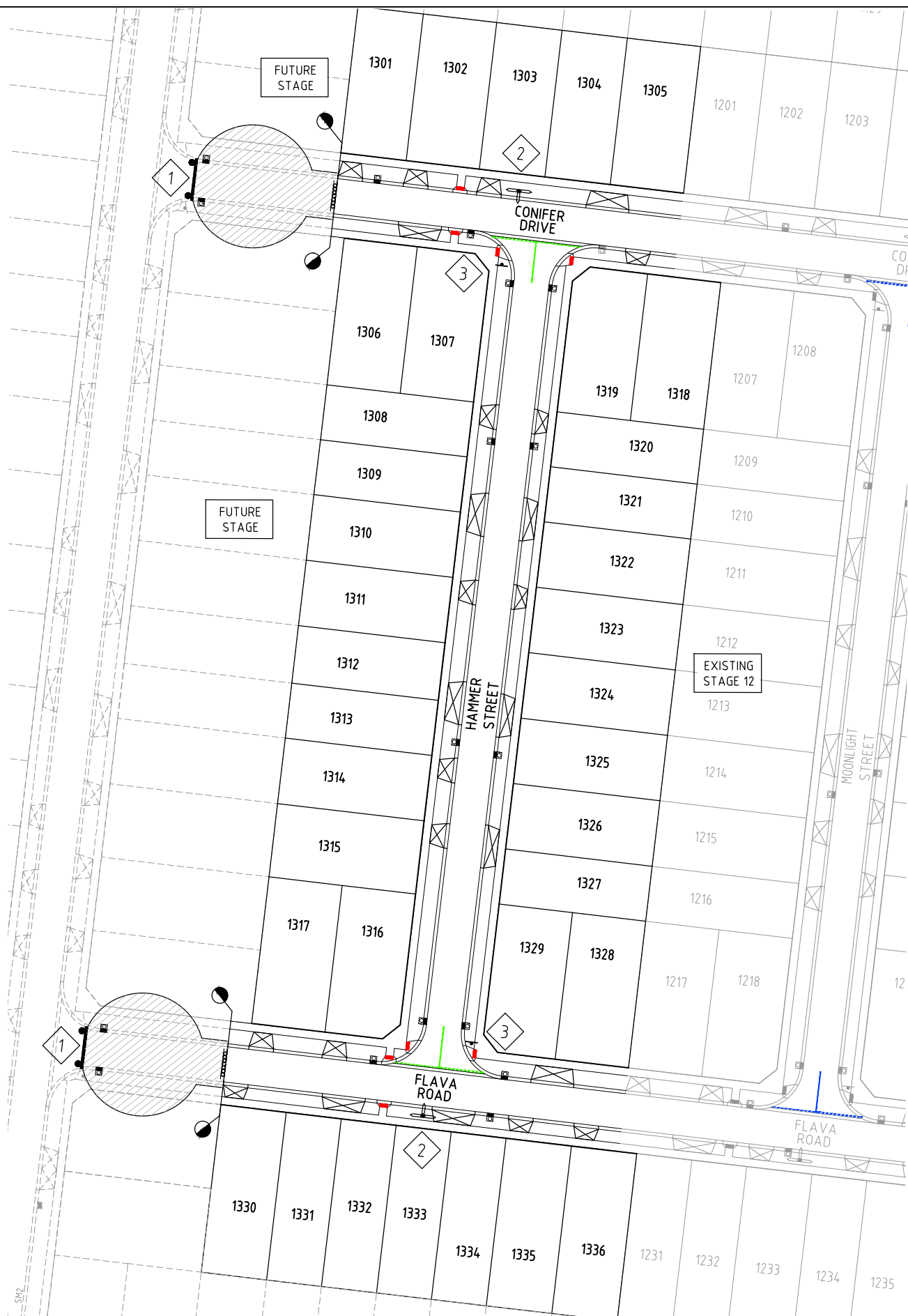
Drawing No: 18040-13-10

Revision: B

Sheet No: 10 of 11

Scale @ A1

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LEGEND

- PROPOSED LINEMARKING
- EXISTING LINEMARKING
- RRPM - RAISED REFLECTIVE PAVEMENT MARKER
- SIGNS
- FOOTPATH ODA TACTILE PAVER

SIGN SCHEDULE

SIGN	REF
ROAD CLOSED G9-20 & D4-5	1
STREET SIGN	2
GIVE WAY R1-2	3

No	REVISION	DATE	DES/DT	APPROVED
B	CONSTRUCTION ISSUE	12.01.22	MR	TP
A	ISSUED TO COUNCIL	25.10.21	MR	TP

RESIMAX GROUP
MITCHELL SHIRE COUNCIL

Approved for Construction

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Project Management | Land Development | Civil Engineering |
Traffic and Transport Engineering | Urban Design

Designed M.ROSSITTO
Checked T.PHILLIPS
Approved T. MILINKOVIC
Date OCTOBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 13
MITCHELL SHIRE COUNCIL
SIGNAGE & LINE MARKING PLAN

APPROVED
By Mohammad Sikar at 5:15 pm, Feb 03, 2022

MITCHELL SHIRE COUNCIL
APPROVED PLAN

Drawing No: 18040-13-11

Revision: B

Sheet No: 11 of 11

Scale @ A1 0 5 10 20
1:500

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