

NEWBRIDGE SOUTH ESTATE

STAGE 16

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 TBM'S 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 COUNCILS 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 COUNCILS 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 S_{N6}. WATER CONDUITS ARE TO BE 50mm DIA. P.V.C. PIPE CLASS S_{N8}. 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 (S_{M2}) 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.

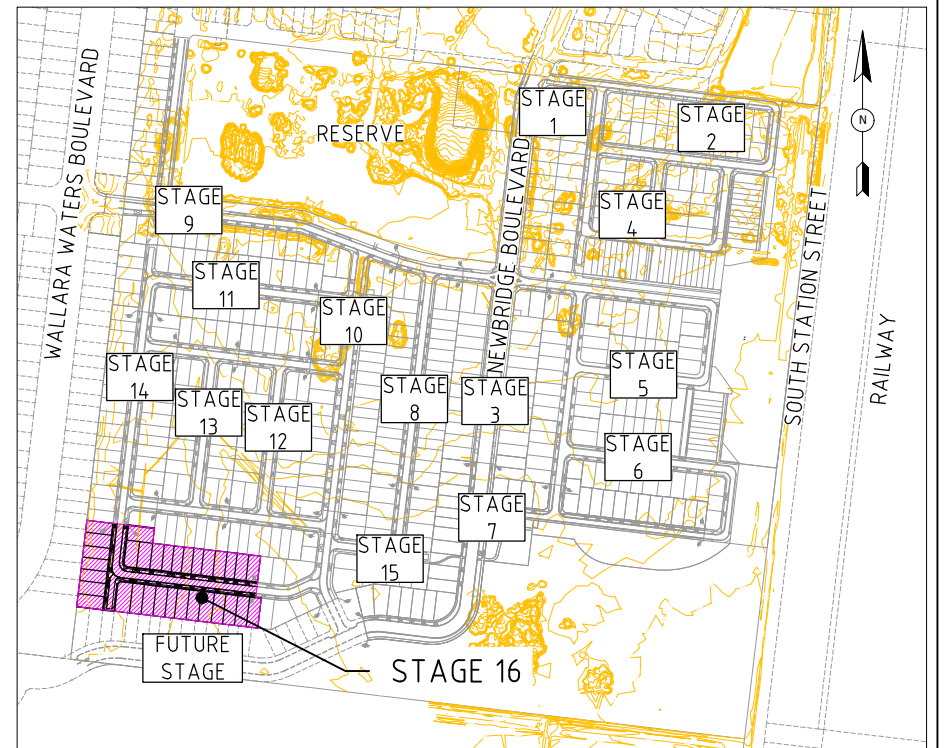
- PAVEMENT SUB-BASE AND BEDDING TO KERB AND CHANNEL IS TO BE INSTALLED AS PER GAA STANDARDS.

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.



DRAWING INDEX		
JOB No	SHEET No	SHEET DESCRIPTION
18040-16	01	LOCALITY PLAN & GENERAL NOTES
18040-16	02	DETAIL PLAN
18040-16	03	PAVEMENT DETAILS & TYPICAL SECTIONS
18040-16	04	LONGITUDINAL SECTIONS
18040-16	05	CROSS SECTIONS - FICUS CIRCUIT 1 OF 2
18040-16	06	CROSS SECTIONS - FICUS CIRCUIT 2 OF 2
18040-16	07	CROSS SECTIONS - FICUS CIRCUIT (LANEWAY)
18040-16	08	INTERSECTION DETAIL PLAN
18040-16	09	LOT BENCHING & RETAINING WALL AND CONCRETE JOINTING PLAN
18040-16	10	DRAINAGE LONGITUDINAL SECTIONS & PIT SCHEDULE
18040-16	11	SIGNAGE & LINE MARKING PLAN

SERVICE OFFSET TABLE						
STREET NAME	WATER	ND - WATER	GAS	TELCO	ELEC	POLES
FICUS CIRCUIT (LOTS 1601-1603 & 1608)	3.20 E	2.70 E	2.30 E	1.85 W	2.35 W	1.00m*
FICUS CIRCUIT (LOTS 1604-1607)	3.20 W	2.70 W	2.30 W	1.85 W	1.50 E	1.00m*
FICUS CIRCUIT (LOTS 1609-1632)	3.20 N	2.70 N	2.30 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

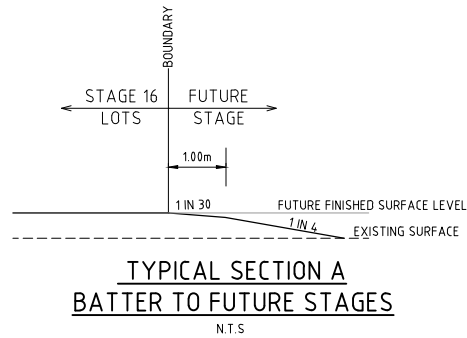


WARNING
BEWARE OF UNDERGROUND/OVERHEAD SERVICES

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.

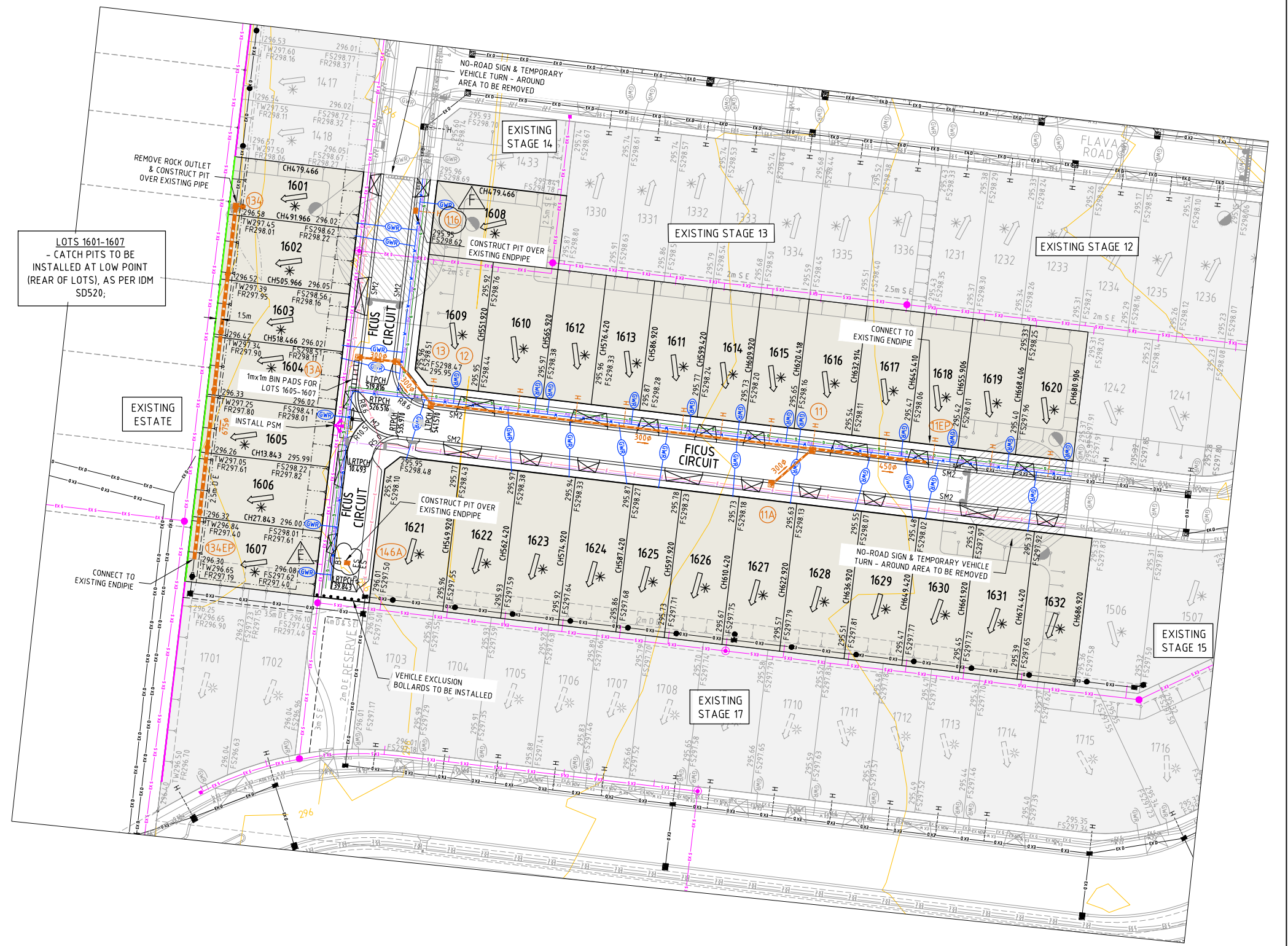
				 Approved for Construction	Melway Reference 665 E4	 Urban Design and Management Pty Ltd PO Box 468 Sunbury 3429 Phone: +61 3 9971 6300 Fax: +61 3 9971 6399 Office 1, Level 1, 114 Evans Street, Sunbury, VIC, 3429	Designed M.ROSSITTO Checked T.PHILLIPS Approved T. MILINKOVIC Date DECEMBER 2021	NEWBRIDGE SOUTH ESTATE STAGE 16 MITCHELL SHIRE COUNCIL LOCALITY PLAN	Drawing No: 18040-16-01 Revision: B Sheet No: 01 of 11 Scale @ A1 N.T.S © Urban Design and Management Pty Ltd ABN 62 525 443 156
B	CONSTRUCTION ISSUE	04.03.22	MR	TP					
A	ISSUED TO COUNCIL	03.12.21	MR	TP					
No	REVISION	DATE	DESIGN	APPROVED					

LEGEND - LAYOUT PLAN	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	SWALE DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	SERVICE CONDUITS
	EXISTING ELECTRICITY (UNDERGROUND)
	EXISTING ELECTRICITY (OVERHEAD)
	EXISTING GAS
	EXISTING TELSTRA
	EXISTING WATER
	EXISTING STORMWATER DRAIN
	EXISTING SEWER
	RETAINING WALL
	WATER
	GAS
	TELSTRA
	ELECTRICITY (UNDERGROUND)
	RECYCLED WATER
	EXISTING SURFACE LEVEL
	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
	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

FOR FURTHER RETAINING WALL AND LOT PAD DETAILS FOR LOTS 1601-1607 REFER TO SHEET 09



No	REVISION	DATE	DESIGN	APPROVED
F	PIT 146A ADDED AND PIT 115 RENAMED TO 116	24.08.23	MR	TP
E	AMENDED TO NEW LAYOUT	09.08.23	MR	TP
D	PIPE SIZES UPDATED	31.08.22	MR	TP
C	CATCH PITS ADDED	04.07.22	MR	TP
B	CONSTRUCTION ISSUE	04.03.22	MR	TP
A	ISSUED TO COUNCIL	03.12.21	MR	TP

Approved for Construction

Melway Reference
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 Traffic and Transport Engineering | Urban Design

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 Approved
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 Date
 DECEMBER 2021

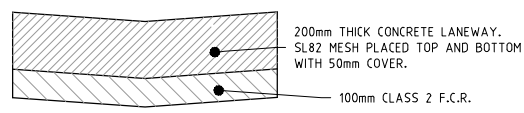
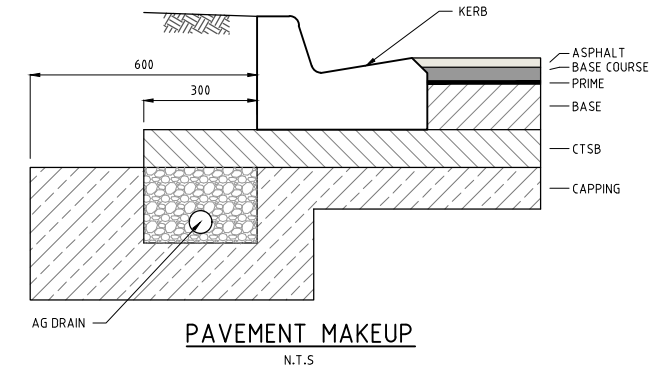
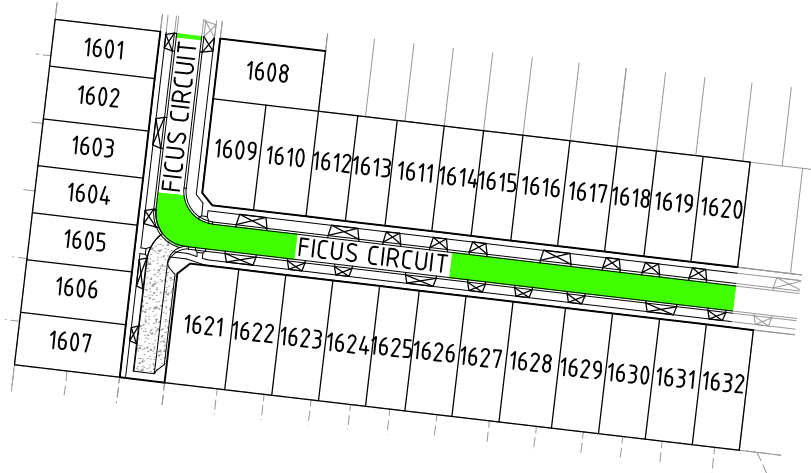
NEWBRIDGE SOUTH ESTATE
 STAGE 16
 MITCHELL SHIRE COUNCIL
 DETAIL PLAN

Drawing No: 18040-16-02
 Revision: F
 Sheet No: 02 of 11
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 1:500
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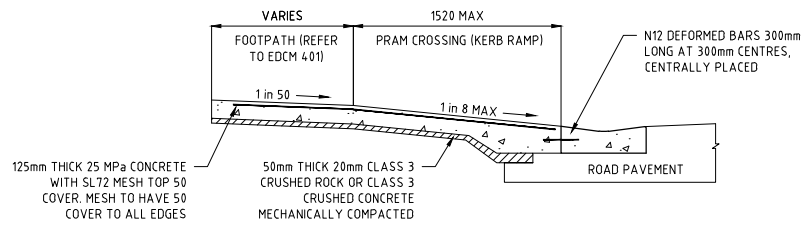


Table 5A. Flexible Granular Pavement Design Configuration with CBR =2.0% & Swell of 4.0%

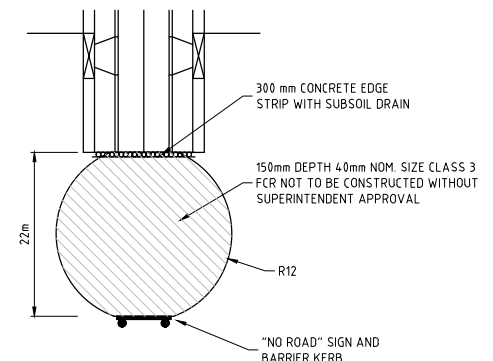
Layer	Access Lane	Access Street (Level 1)	Access Street (Level 2)	Connector Street
Asphalt (Wearing Course)	20mm, Size 7 Type L (Class 320 Binder) ¹	30mm, Size 10 Type N (Class 320 Binder)	40mm, Size 14 Type N (Class 320 Binder)	40mm, Size 14 Type N (Class 320 Binder)
Asphalt (Structural Course/Base 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 ³	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



PAVEMENT DETAIL - CONCRETE
FICUS CIRCUIT



TYPICAL PEDESTRIAN PRAM CROSSING DETAILS (AS PER EDM 403)
N.T.S

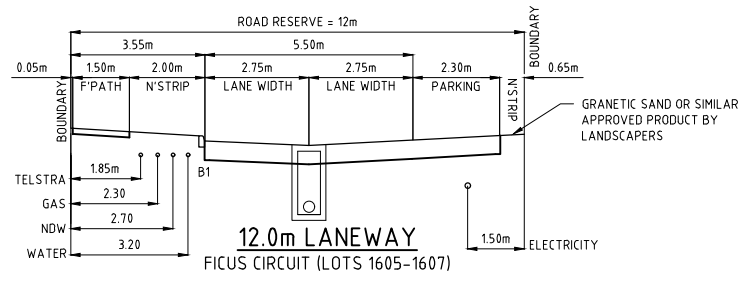


TEMPORARY TURN AREA DETAIL
N.T.S

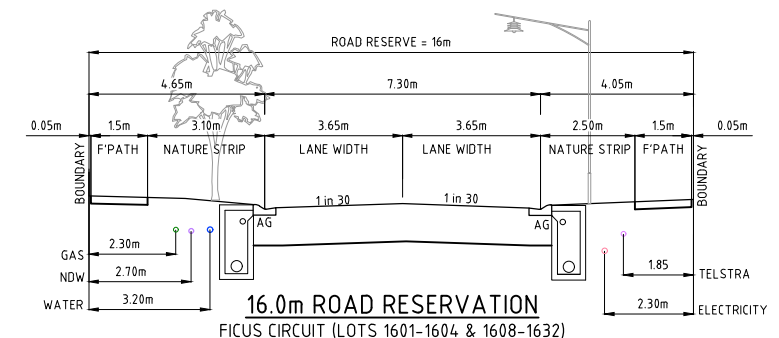
Pavement base and subbase courses are to be compacted to a minimum dry density ratio of 98% Modified with moisture content within ±2.5% of Modified Optimum Moisture Content (MOMC).

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.



12.0m LANEWAY
FICUS CIRCUIT (LOTS 1605-1607)



16.0m ROAD RESERVATION
FICUS CIRCUIT (LOTS 1601-1604 & 1608-1632)

No	REVISION	DATE	DESIGN	APPROVED
C	LOTS 1611-1613 LOCATIONS AMENDED	09.08.23	HR	TP
B	EDCM403 DETAIL ADDED	03.03.22	MR	TP
A	ISSUED TO COUNCIL	19.11.21	MR	TP

RESIMAX GROUP
MITCHELL SHIRE COUNCIL
Approved for Construction

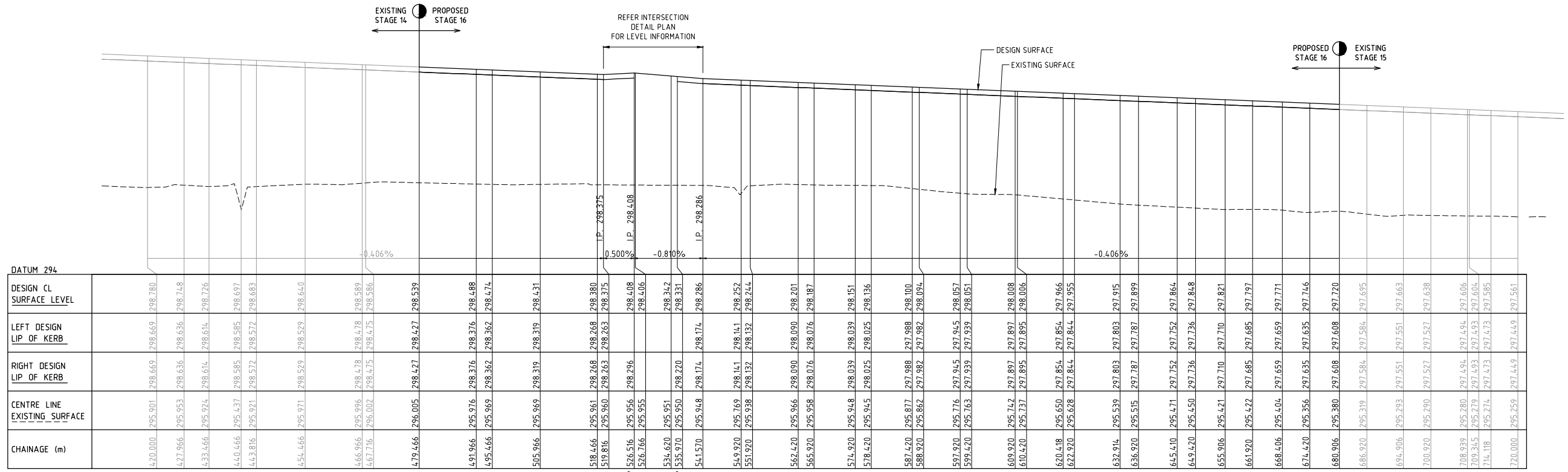
Melway Reference 665 E4
Principal RESIMAX GROUP PTY LTD
2 DREWERY PLACE
MELBOURNE VIC 3000

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

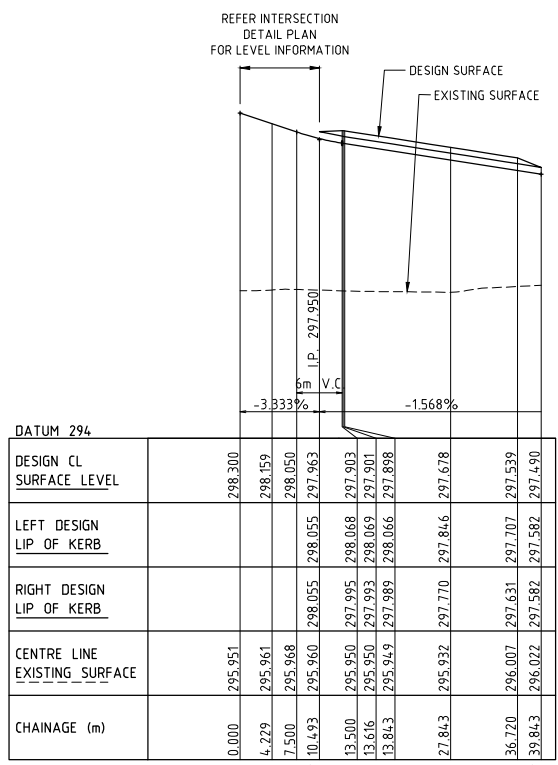
Designed M.ROSSITTO
Checked T.PHILLIPS
Approved T. MILINKOVIC
Date DECEMBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 16
MITCHELL SHIRE COUNCIL
PAVEMENT DETAILS & TYPICAL SECTIONS

Drawing No: 18040-16-03
Revision: C
Sheet No: 03 of 11
Scale @ A1 0 10 20 40
1:1000
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ABN 62 525 443 156



FICUS CIRCUIT



FICUS CIRCUIT (LANEWAY)

B	CONSTRUCTION ISSUE	04.03.22	MR	TP
A	ISSUED TO COUNCIL	03.12.21	MR	TP
No	REVISION	DATE	DESIGNER	APPROVED



Approved for Construction

Melway Reference
665 E4

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Checked
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Approved
T.MILINKOVIC

Date
DECEMBER 2021

NEWBRIDGE SOUTH ESTATE

STAGE 16
MITCHELL SHIRE COUNCIL
LONGITUDINAL SECTIONS
FICUS CIRCUIT & FICUS CIRCUIT (LANEWAY)

Drawing No: 18040-16-04

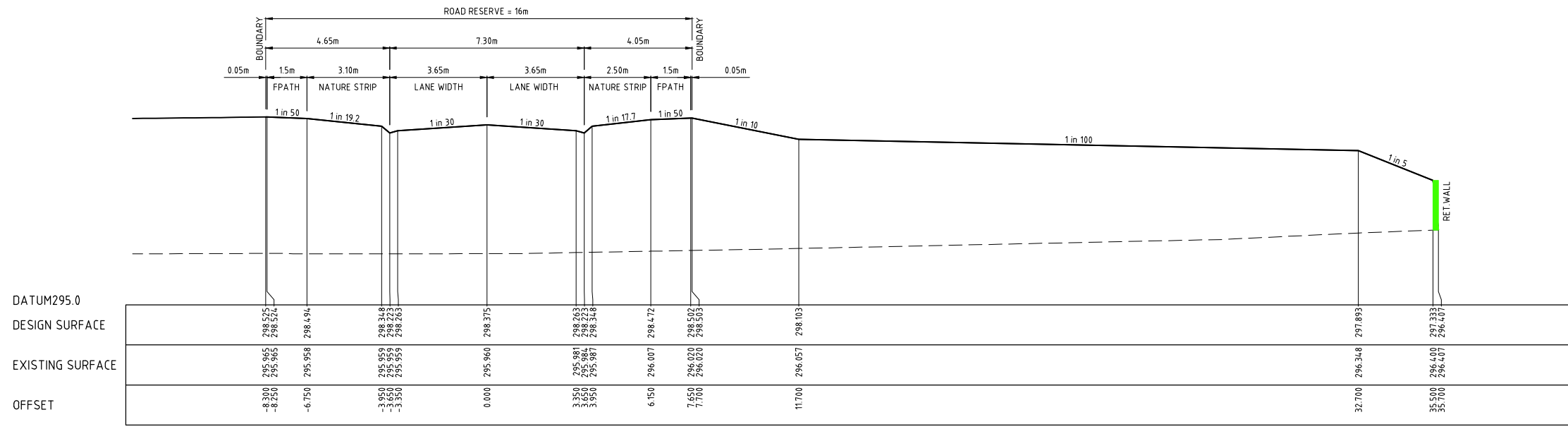
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Sheet No: 04 of 11

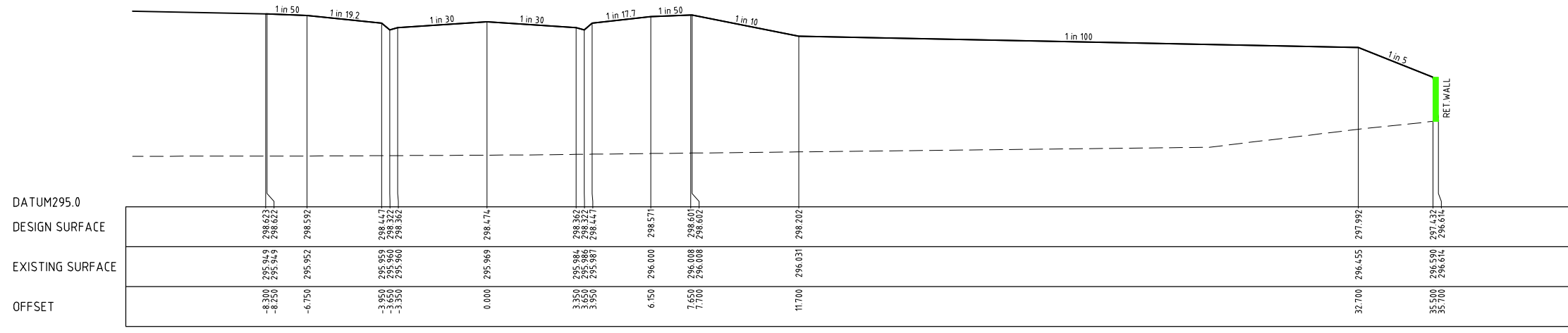
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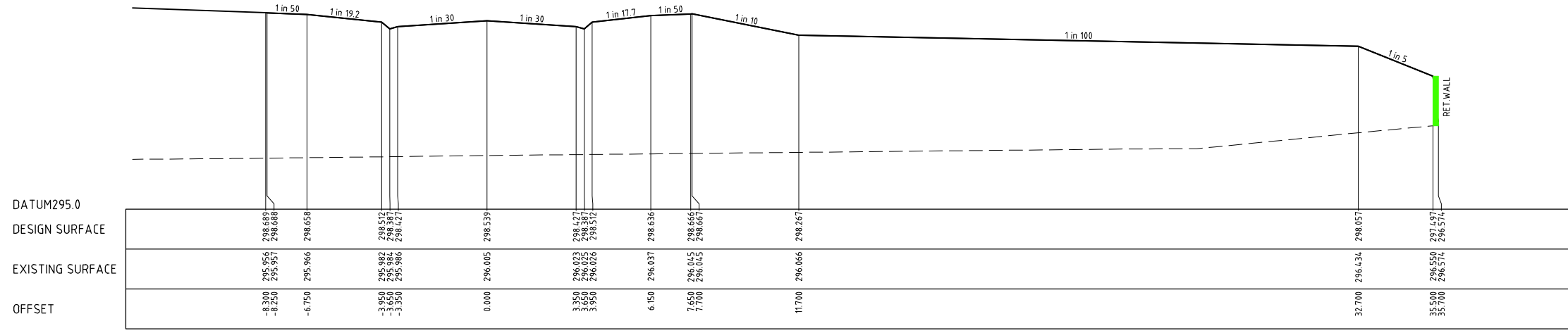
LEGEND
--- EXISTING SURFACE
— DESIGN LINE



CH 519.816



CH 495.466



CH 479.466

B	CONSTRUCTION ISSUE	04.03.22	MR	TP
A	ISSUED TO COUNCIL	03.12.21	MR	TP
No	REVISION	DATE	DESIGNER	APPROVED



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

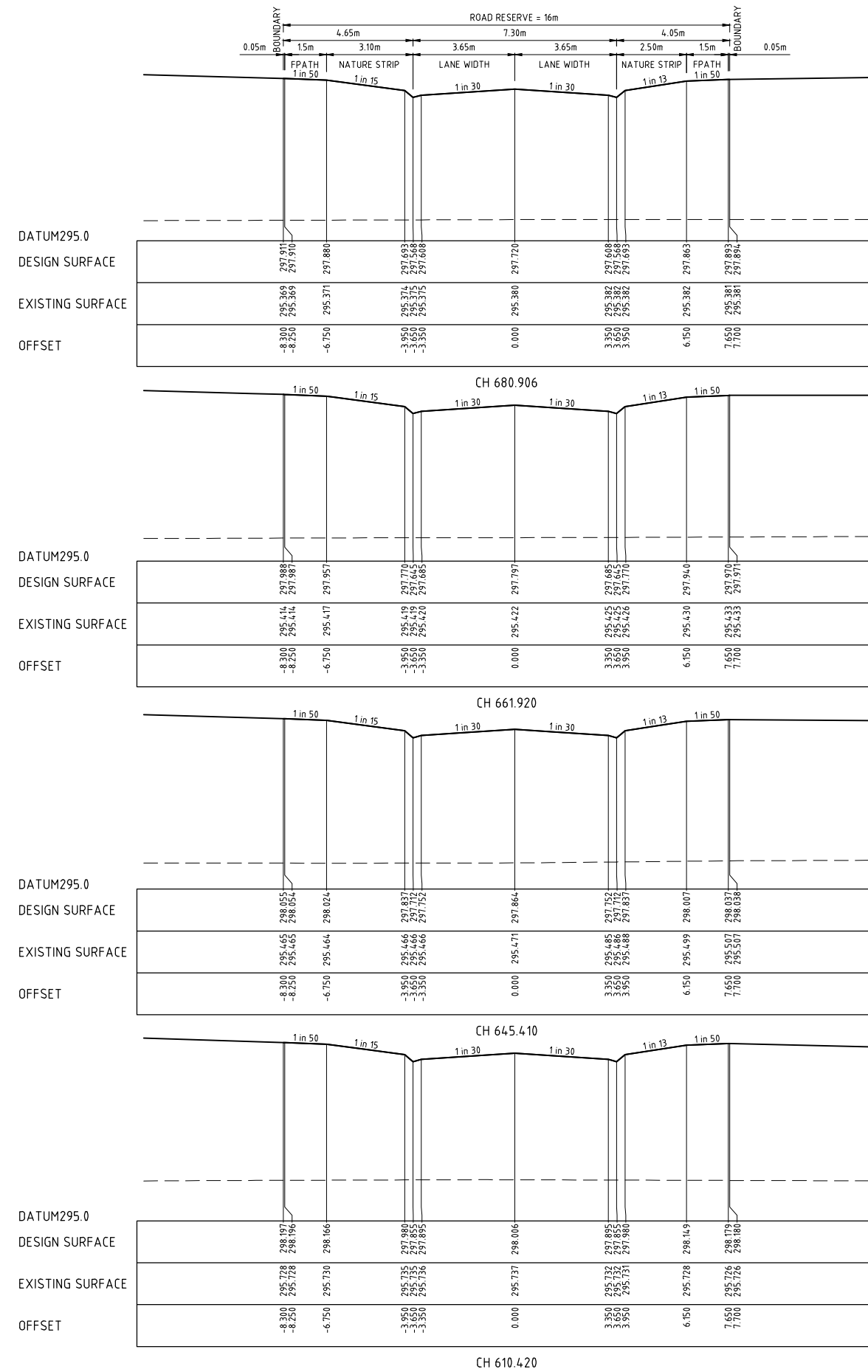
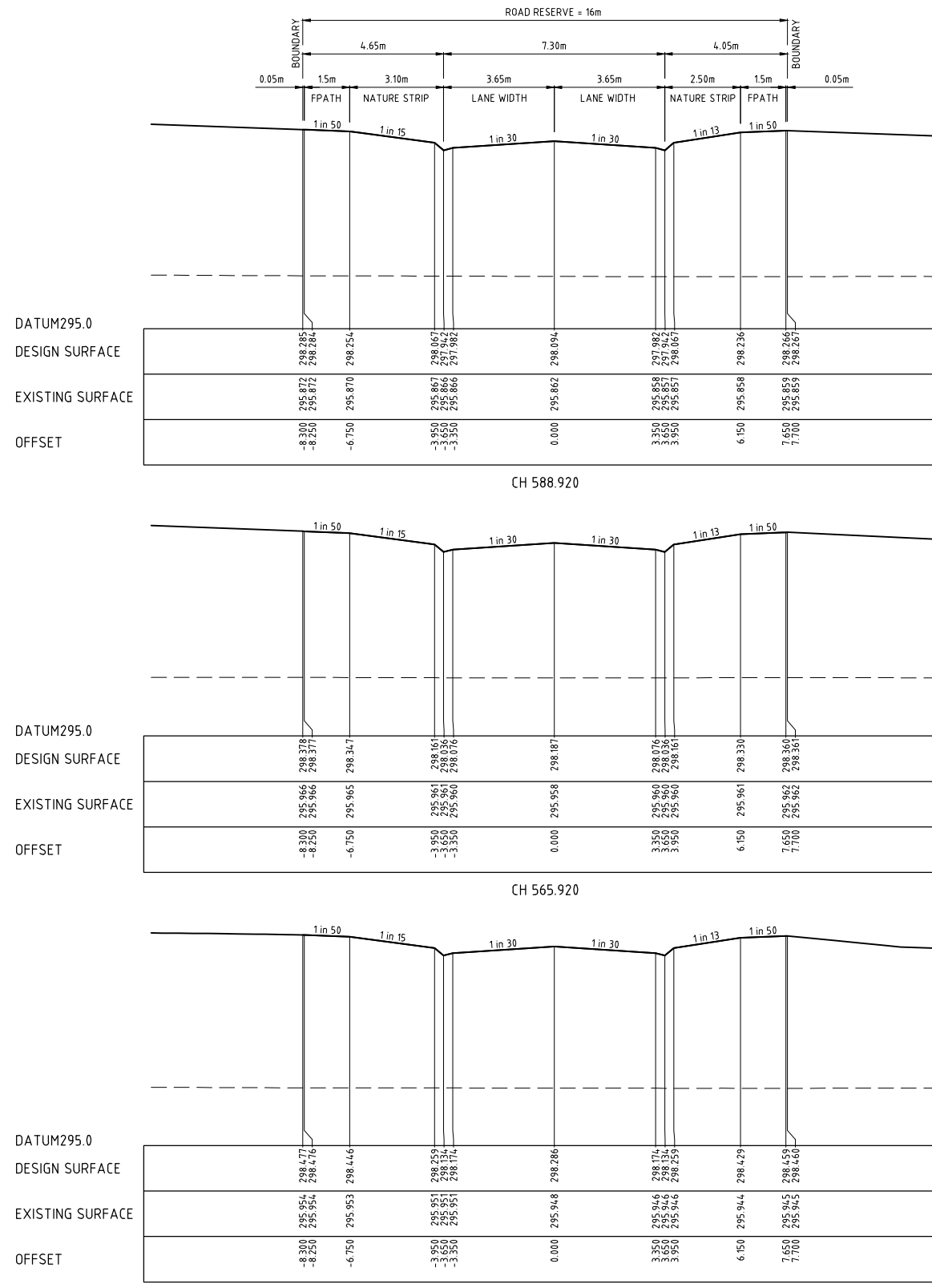
Approved
T. MILINKOVIC

Date
DECEMBER 2021

NEWBRIDGE SOUTH ESTATE

STAGE 16
MITCHELL SHIRE COUNCIL
CROSS SECTIONS - FICUS CIRCUIT
CH 479.466 - CH 519.816
SHEET 1 OF 2

Drawing No: 18040-16-05
Revision: B
Sheet No: 05 of 11
Scale @ A1 H1:100, V1:50
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---	EXISTING SURFACE
---	DESIGN LINE

No.	REVISION	DATE	DESIGN	APPROVED
B	CONSTRUCTION ISSUE	04.03.22	MR	TP
A	ISSUED TO COUNCIL	03.12.21	MR	TP

RESIMAX GROUP
MITCHELL SHIRE COUNCIL

Approved for Construction

Melway Reference
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Designed
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Checked
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Approved
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Date
DECEMBER 2021

NEWBRIDGE SOUTH ESTATE

STAGE 16
MITCHELL SHIRE COUNCIL
CROSS SECTIONS - FIGUS CIRCUIT
CH 541.570 - CH 680.906
SHEET 2 OF 2

Drawing No: 18040-16-06

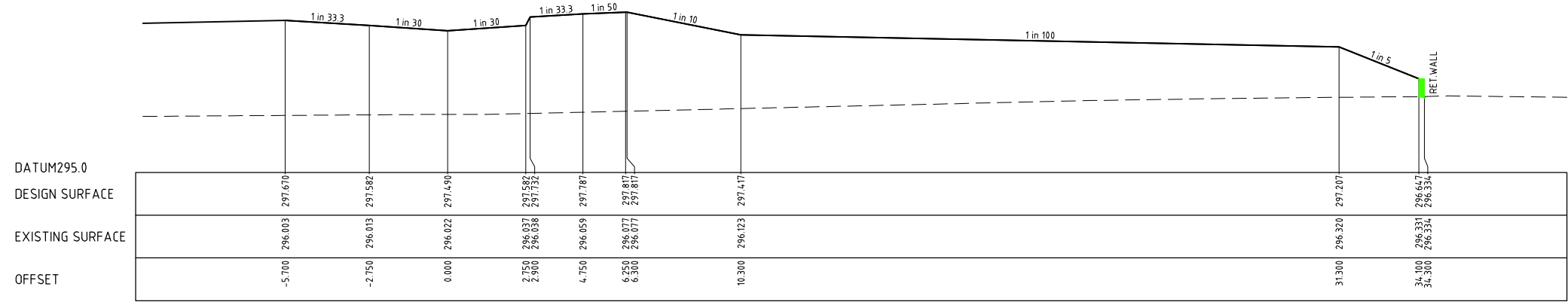
Revision: B

Sheet No: 06 of 11

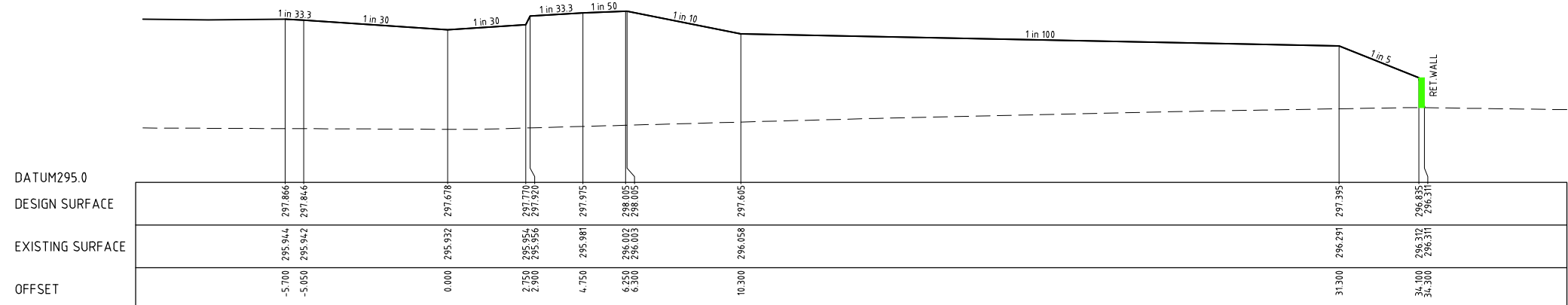
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ABN 62 525 443 156

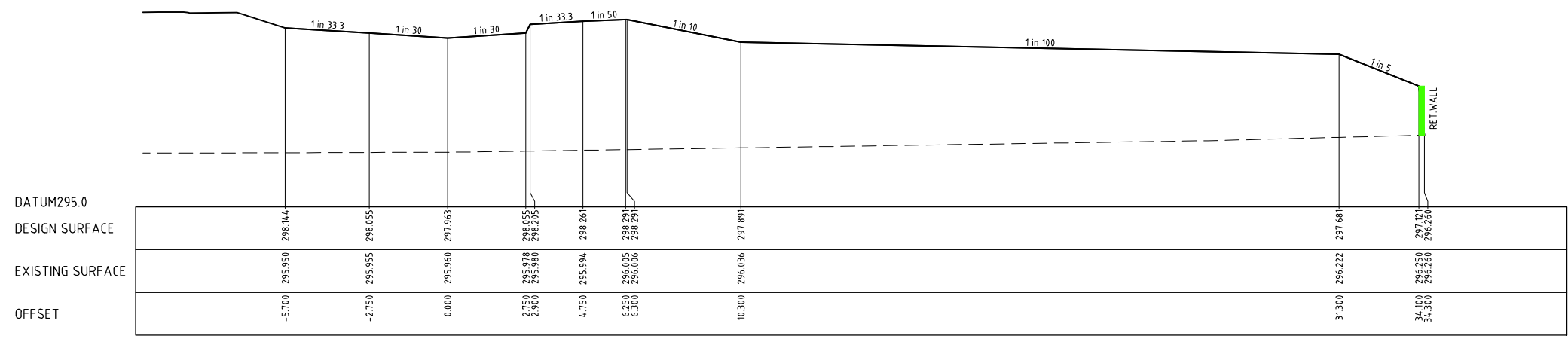
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—	DESIGN LINE



CH 39.843



CH 27.843



CH 10.493

B	CONSTRUCTION ISSUE	04.03.22	MR	TP
A	ISSUED TO COUNCIL	03.12.21	MR	TP
No	REVISION	DATE	DES/DT	APPROVED



Approved for Construction

Melway Reference
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Checked
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Approved
T. MILINKOVIC

Date
DECEMBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 16
MITCHELL SHIRE COUNCIL
CROSS SECTIONS - FICUS CIRCUIT (LANEWAY)

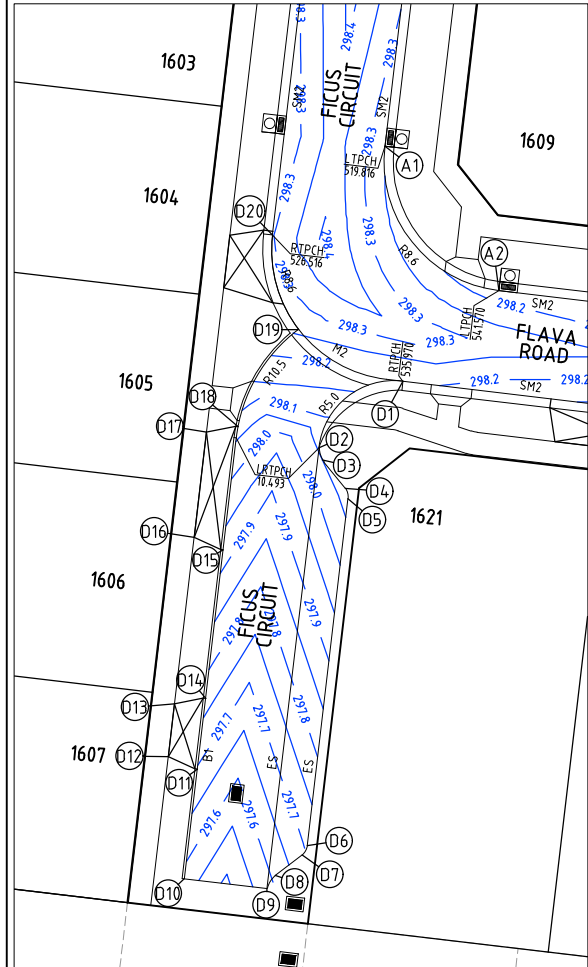
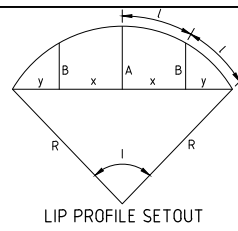
Drawing No: 18040-16-07

Revision: B

Sheet No: 07 of 11

Scale @ A1
H1:100, V1:50

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ABN 62 525 443 156

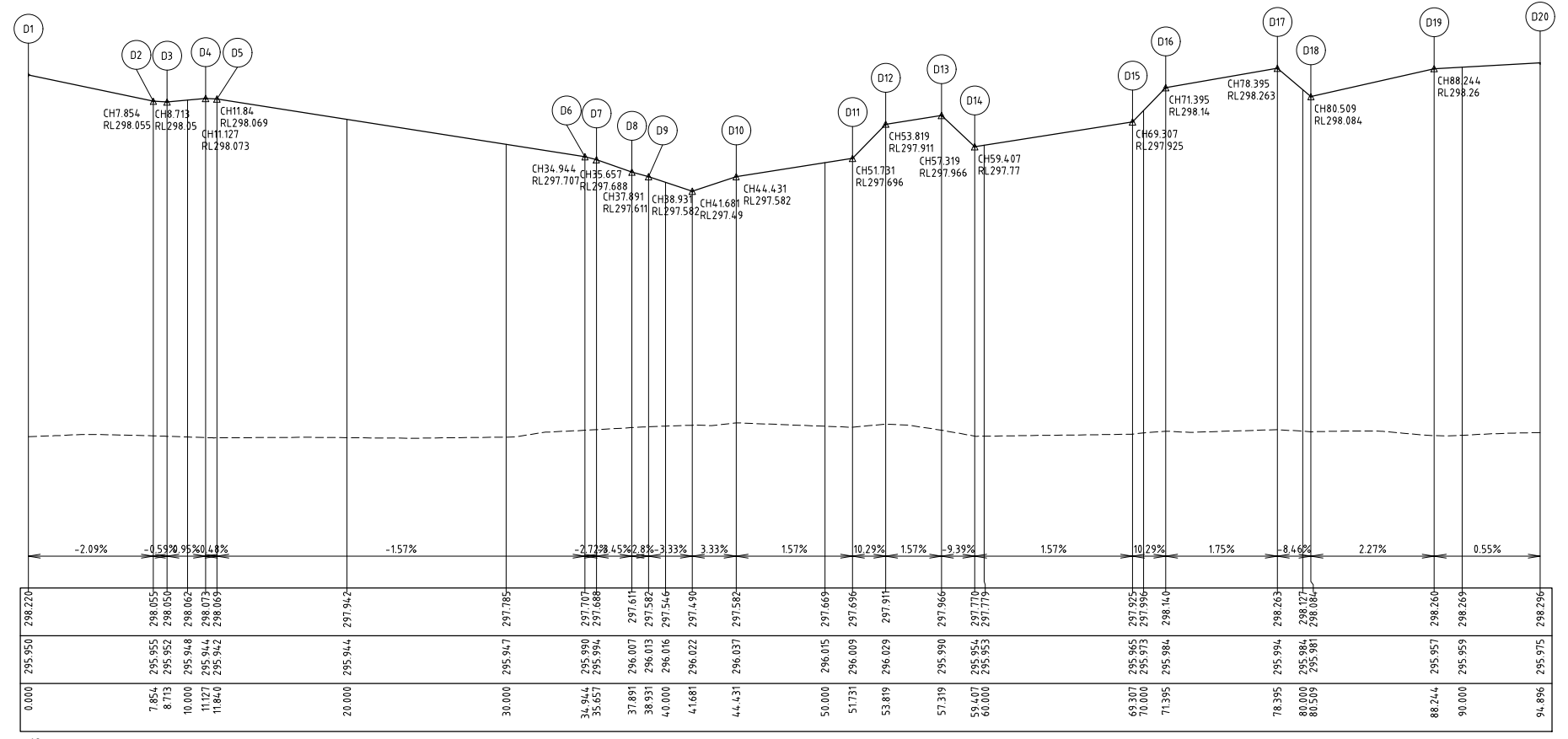


INTERSECTION DETAIL PLAN
FICUS CIRCUIT

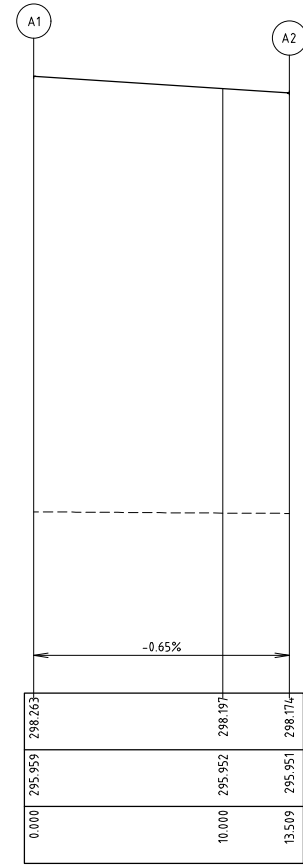
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VERTICAL GEOMETRY
DATUM RL295
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

SCALE H 1:250
V 1:25
0 2.5 5 10
0 0.25 0.5 1



LIP LINE D



LIP LINE A

VERTICAL GEOMETRY
DATUM RL295
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

SCALE H 1:250
V 1:25
0 2.5 5 10
0 0.25 0.5 1

Alignment A

Point no	Easting	Northing	RL
A1	1667.957	2145.854	298.263
A2	1675.492	2136.306	298.174

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	298.219

Alignment D

Point no	Easting	Northing	RL
D1	1669.146	2130.307	298.220
D2	1663.596	2125.927	298.055
D3	1663.822	2125.111	298.050
D4	1665.339	2123.233	298.073
D5	1665.514	2122.556	298.069
D6	1662.811	2099.611	297.707
D7	1662.484	2098.993	297.688
D8	1660.707	2097.639	297.611
D9	1660.161	2096.779	297.582
D10	1654.699	2097.422	297.582
D11	1655.553	2104.672	297.696
D12	1653.637	2105.502	297.911
D13	1654.047	2108.978	297.966
D14	1656.103	2109.340	297.770
D15	1657.262	2119.172	297.925
D16	1655.346	2120.002	298.140
D17	1656.165	2126.954	298.263
D18	1658.248	2127.312	298.084
D19	1662.246	2133.731	298.260
D20	1660.519	2139.984	298.296

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
D1 - D2	90.032	4.998	7.854	1.465	1.084	1.913	1.622	1.963	298.137
D2 - D3	32.843	14.99	0.859	0.061	0.046	0.214	0.210	0.215	298.053
D4 - D5	39.969	1.023	0.714	0.062	0.046	0.178	0.172	0.178	298.071
D6 - D7	39.969	1.023	0.714	0.062	0.046	0.178	0.172	0.178	297.698
D8 - D9	39.743	14.99	1.040	0.067	0.029	0.251	0.260	0.251	297.596
D18 - D19	42.211	10.500	7.736	0.704	0.527	1.923	1.858	1.934	298.172
D19 - D20	44.315	8.600	6.652	0.635	0.475	1.653	1.591	1.663	298.278

No	REVISION	DATE	DESIGN	APPROVED
B	CONSTRUCTION ISSUE	04.03.22	MR	TP
A	ISSUED TO COUNCIL	03.12.21	MR	TP



Approved for Construction

Melway Reference
665 E4

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Checked
T.PHILLIPS

Approved
T. MILINKOVIC

Date
DECEMBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 16
MITCHELL SHIRE COUNCIL
INTERSECTION DETAIL PLAN

Drawing No: 18040-16-08

Revision: B

Sheet No: 08 of 11

Scale @ A1
AS SHOWN

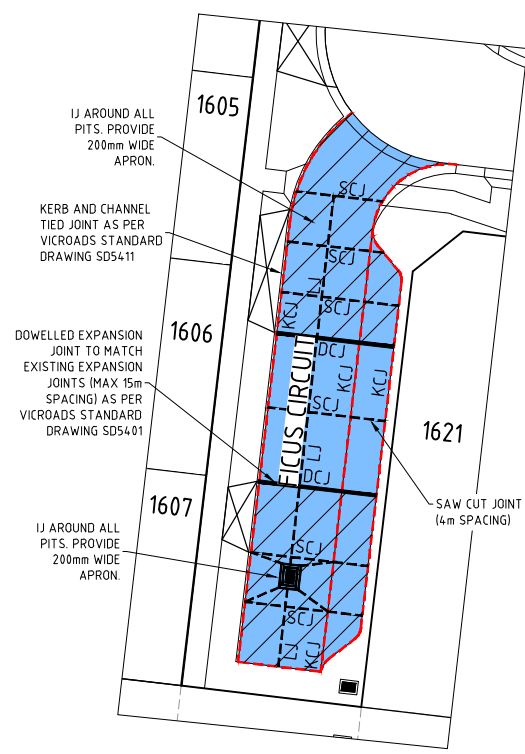
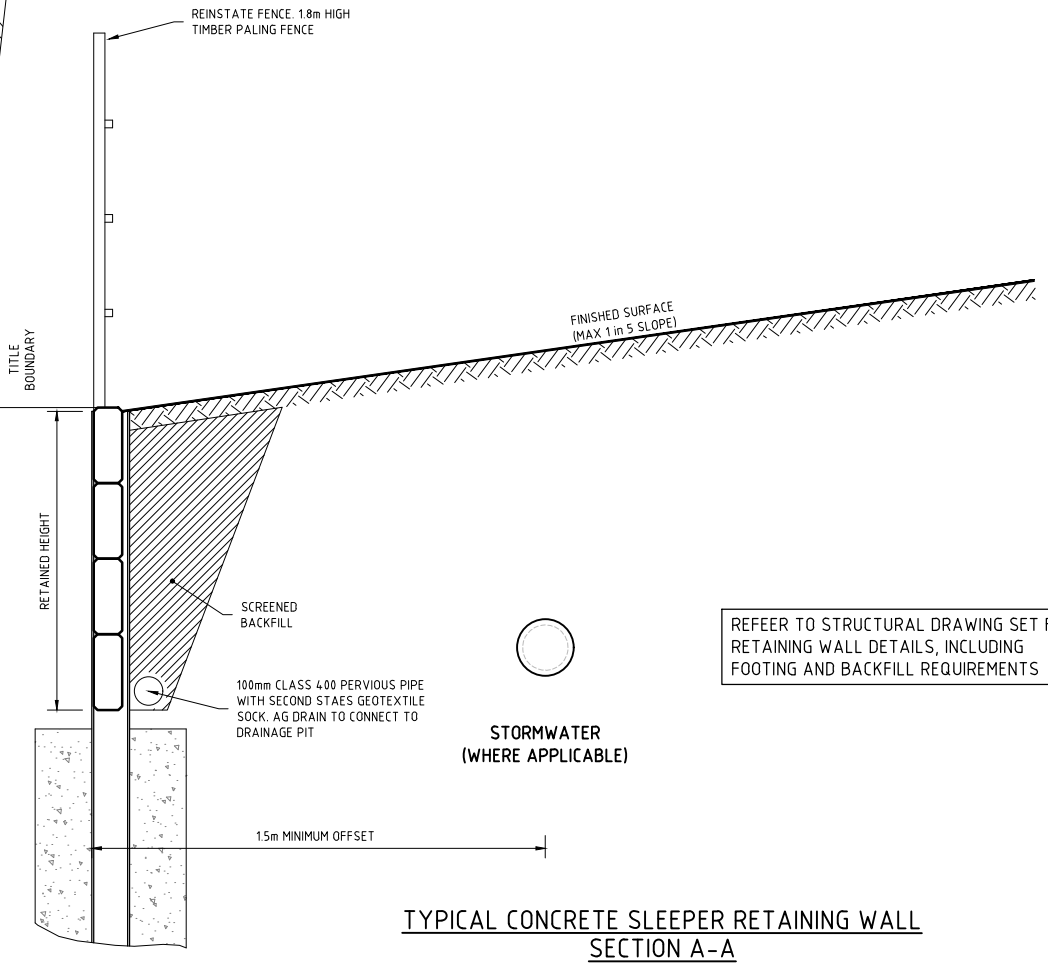
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ABN 62 525 443 156

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LEGEND

	DESIGN CONTOURS
	EXISTING CONTOURS
	BATTER LINE
	BW160.20 BOTTOM WALL LEVEL
	TW160.20 TOP WALL LEVEL
	FP160.20 FINISHED PAD LEVEL
	FS160.20 EXISTING LEVEL
	RETAINING WALL PROPOSED
	RETAINING WALL EXISTING

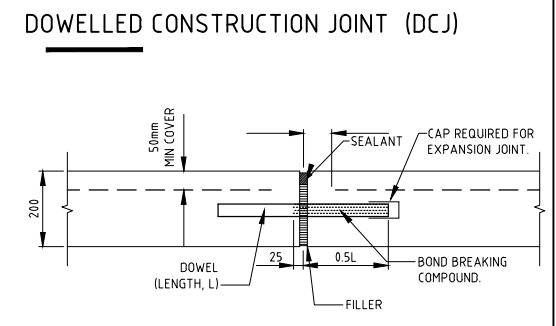
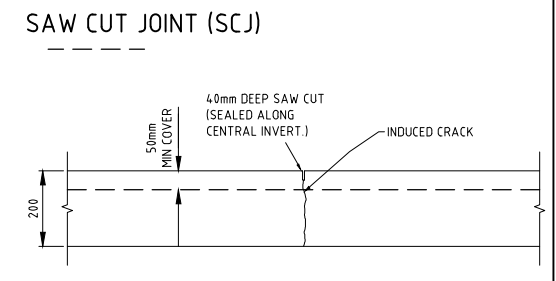
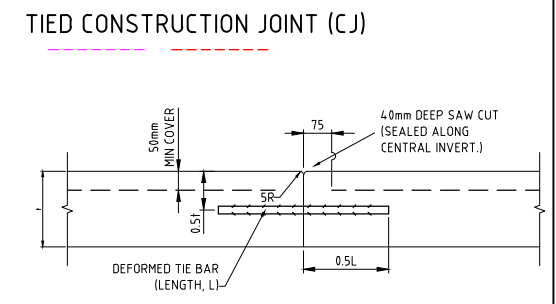
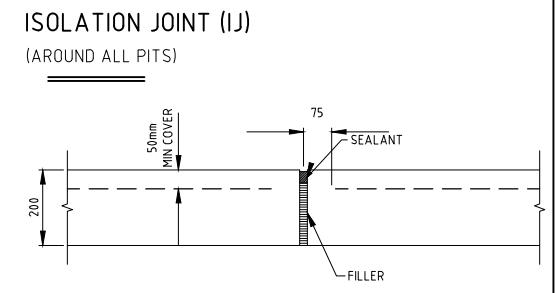
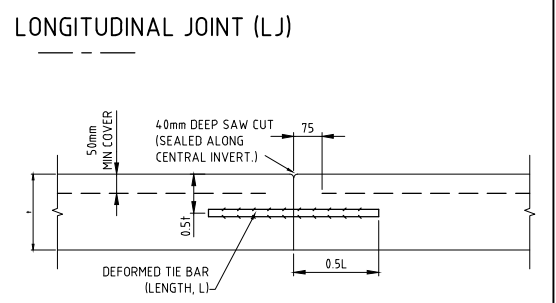


GENERAL NOTES

- ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE, OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
- ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
- CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT AND IN CORNERS OF FORMS.
- PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.
- CURING OF CONCRETE IS ESSENTIAL - IDEALLY BY MAINTAINING WET HESSIAN, SEALING WITH PLASTIC SHEETING OR CURING OIL.
- SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER POUR.
- ALL DOWELS TO BE 24mm DIAMETER, GRADE 250R STEEL BARS, 450mm LONG AND PLACED AT 300mm CENTRES. DOWELS MUST BE ACCURATELY PLACED TO ENSURE THE JOINT DOES NOT "LOCK". INSERTION OF DOWELS DURING THE PLACING OF CONCRETE IS NOT ACCEPTABLE. DOWELS MUST BE SAWN AND NOT CROPPED.
- ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.
- VARIATION TO JOINT LAYOUT BY CONTRACTOR WILL NOT BE ACCEPTED WITHOUT SPECIFIC WRITTEN APPROVAL OF SUPERINTENDENT & COUNCIL.
- CURING OIL AND ALIPHATIC ALCOHOL IS TO BE USED ON SURFACE OF CONCRETE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION.
- THE CONCRETE IS TO BE POURED IN ALTERNATIVE BAYS. BAYS THAT ARE HATCHED ARE TO BE POURED FIRST. SECOND POUR IS TO TAKE PLACE AFTER THE INITIAL PLASTIC SHRINKAGE HAS OCCURED.

VICROADS STANDARD DRAWINGS

DRAWING NUMBER	DESCRIPTION
SD 5311	JOINED REINFORCED CONCRETE PAVEMENT TRANSVERSE JOINT DETAIL
SD 5321	JOINED REINFORCED CONCRETE PAVEMENT REINFORCEMENT & JOINT DETAIL
SD 5331	JOINED REINFORCED CONCRETE PAVEMENT LONGITUDINAL TIED JOINTS (SLAB OPENINGS)
SD 5341	JOINED REINFORCED CONCRETE PAVEMENT SLAB REPLACEMENT
SD 5401	CONCRETE PAVEMENT (ALL TYPES) EXPANSION JOINT DETAIL
SD 5411	CONCRETE PAVEMENT (ALL TYPES) LONGITUDINAL JOINT DETAIL



CONSTRUCTION JOINTS
NOT TO SCALE

NO	REVISION	DATE	DESIGN	APPROVED
C	SECTION A-A UPDATED	04.07.22	MR	TP
B	SECTION A-A AMENDED	03.03.22	MR	TP
A	ISSUED TO COUNCIL	03.12.21	MR	TP

RESIMAX GROUP
MITCHELL SHIRE COUNCIL

Approved for Construction

Melway Reference
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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
DECEMBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 16
MITCHELL SHIRE COUNCIL
LOT BENCHING & RETAINING WALL PLAN
AND CONCRETE JOINING PLAN

Drawing No: 18040-16-09

Revision: C

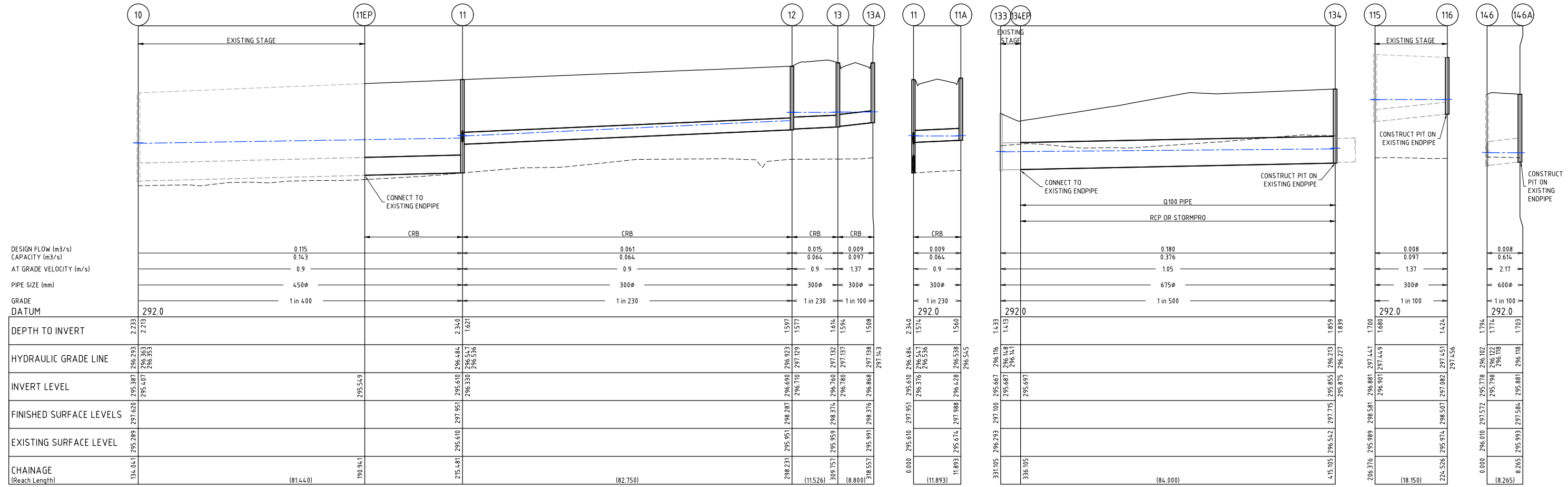
Sheet No: 09 of 11

Scale @ A1 0 2.5 5 10
1:250

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

CRB - COMPACTED CLASS 3 FCR BACKFILL



NAME	TYPE	INTERNAL		INLET		OUTLET		PIT		STD DWG	REMARKS
		WIDTH	LENGTH	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH		
11	GRATED SIDE ENTRY PIT	600	900	300	296.33	450	295.61	297.951	2.34	EDCM 603	
				300	296.376						
11A	GRATED SIDE ENTRY PIT	600	900			300	296.428	297.988	1.56	EDCM 603	
12	GRATED SIDE ENTRY PIT	600	900	300	296.71	300	296.69	298.287	1.597	EDCM 603	
13	GRATED SIDE ENTRY PIT	600	900	300	296.78	300	296.76	298.374	1.614	EDCM 603	
13A	GRATED SIDE ENTRY PIT	600	900			300	296.868	298.376	1.508	EDCM 603	
116	JUNCTION PIT	600	900			300	297.082	298.507	1.424	EDCM 605	CONSTRUCT PIT OVER EXISTING PIPE
134	JUNCTION PIT	900	900	600	295.875	675	295.855	297.715	1.859	EDCM 607	CONSTRUCT PIT OVER EXISTING PIPE
146A	GRATED PIT	600	900			600	295.881	297.584	1.703	EDCM 607	CONSTRUCT PIT OVER EXISTING PIPE

F	PIT 146A ADDED	24.08.23	MR	TP
E	SECTIONS & PIT SCHEDULE AMENDED TO NEW LAYOUT	09.08.23	MR	TP
D	PITS & PIPES UPDATED	31.08.22	MR	TP
C	PIPE DETAILS UPDATED	04.07.22	MR	TP
B	CONSTRUCTION ISSUE	04.03.22	MR	TP
A	ISSUED TO COUNCIL	03.12.21	MR	TP
No	REVISION	DATE	DESIGNER	APPROVED



Approved for Construction

Melway Reference
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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
DECEMBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 16
MITCHELL SHIRE COUNCIL
DRAINAGE LONGITUDINAL SECTIONS
& PIT SCHEDULE

Drawing No: 18040-16-10



Revision: F

Sheet No: 10 of 11






Scale @ A1
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H1:500, V1:50
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ABN 62 525 443 156

SIGN SCHEDULE

SIGN	REF
	
STREET SIGN	

LEGEND

-  PROPOSED LINEMARKING
-  EXISTING LINEMARKING
-  RRP - RAISED REFLECTIVE PAVEMENT MARKER
-  SIGNS
-  FOOTPATH DDA TACTILE PAVER



No	REVISION	DATE	DES/DT	APPROVED
C	LOTS 1611-1613 LOCATIONS AMENDED	09.08.23	HR	TP
B	CONSTRUCTION ISSUE	04.03.22	MR	TP
A	ISSUED TO COUNCIL	03.12.21	MR	TP


MITCHELL SHIRE COUNCIL


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Traffic and Transport Engineering | Urban Design

Designed
M.ROSSITTO

Checked
T.PHILLIPS

Approved
T. MILINKOVIC

Date
DECEMBER 2021

NEWBRIDGE SOUTH ESTATE
STAGE 16
MITCHELL SHIRE COUNCIL
SIGNAGE & LINE MARKING PLAN

Drawing No: 18040-16-11

Revision: C

Sheet No: 11 of 11

Scale @ A1 0 5 10 20
1:500

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