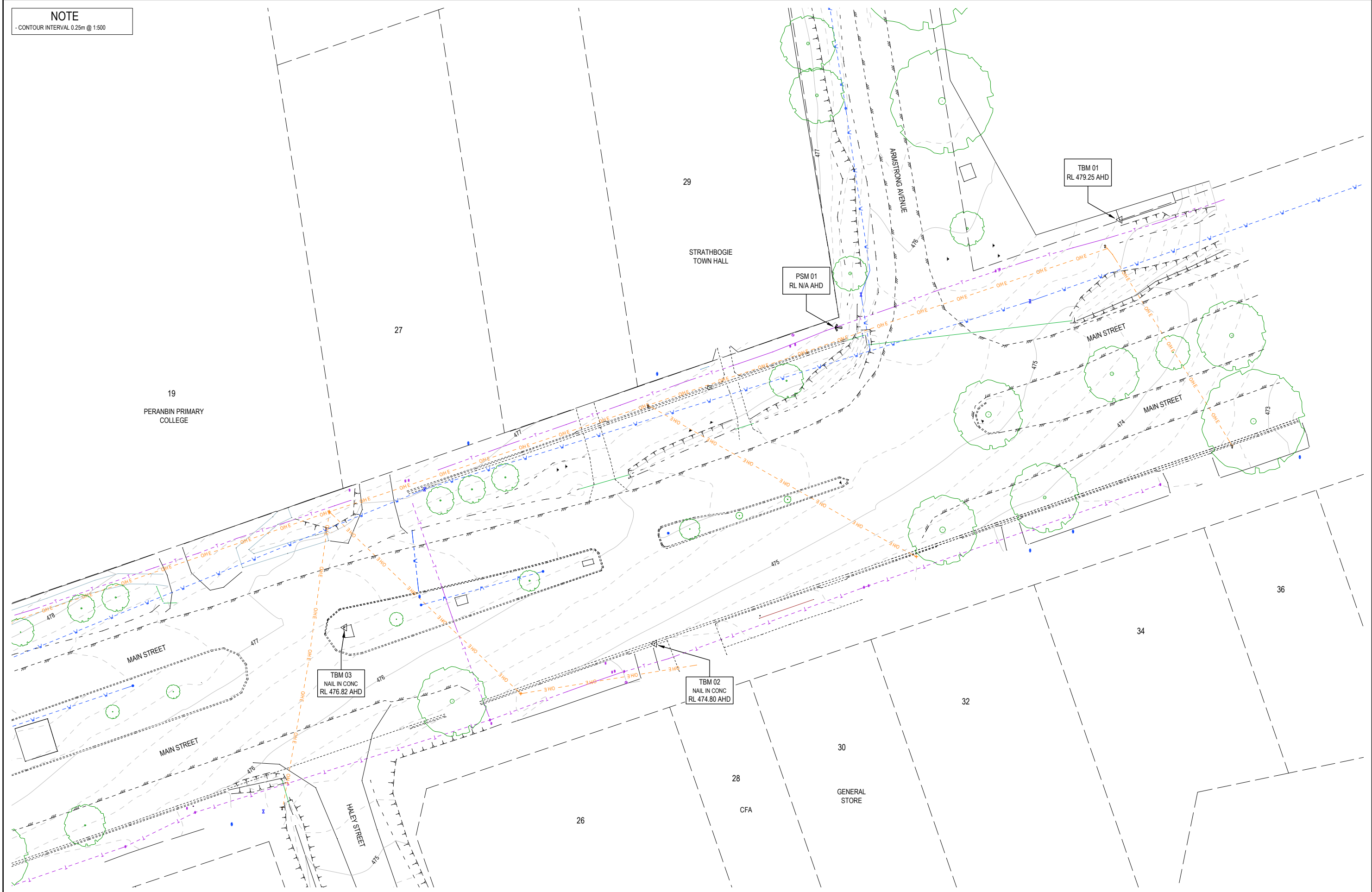


NOTE

- CONTOUR INTERVAL 0.25m @ 1:500



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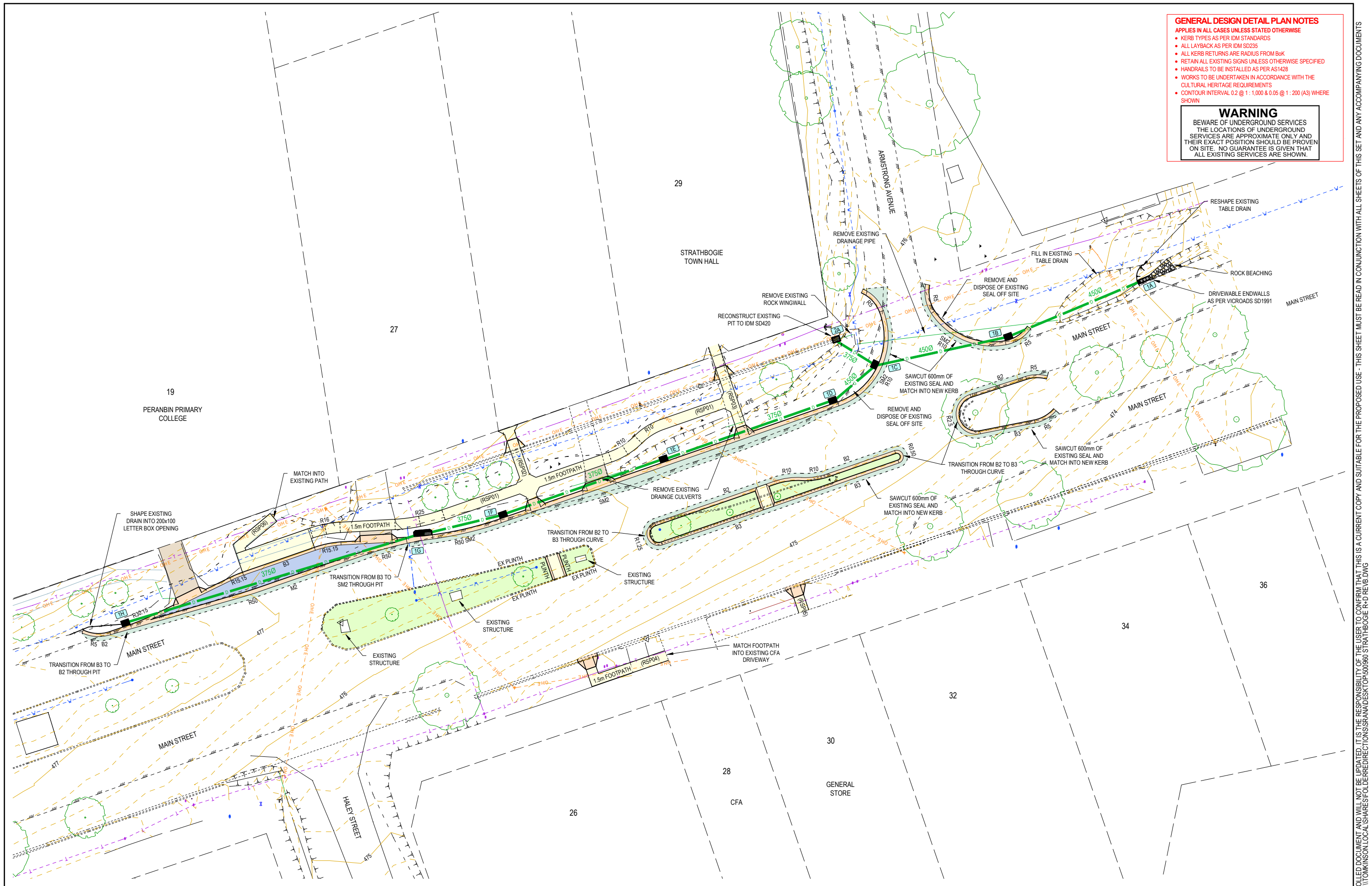
STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
 EXISTING CONDITIONS & SURVEY STATIONS \ TBMS
 STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER**
 PROJECT & DWG No: 500960SRD02/ 19

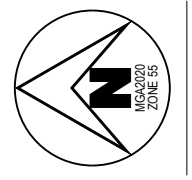
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GENERAL DESIGN DETAIL PLAN NOTES
 APPLIES IN ALL CASES UNLESS STATED OTHERWISE
 • KERB TYPES AS PER IDM STANDARDS
 • ALL LAYBACK AS PER IDM SD235
 • ALL KERB RETURNS ARE RADIUS FROM BxK
 • RETAIN ALL EXISTING SIGNS UNLESS OTHERWISE SPECIFIED
 • HANDRAILS TO BE INSTALLED AS PER AS1429
 • WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE CULTURAL HERITAGE REQUIREMENTS
 • CONTOUR INTERVAL 0.2 @ 1:1,000 & 0.05 @ 1:200 (A3) WHERE SHOWN

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.



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A	AS SUBMITTED TO COUNCIL	JM	SR	Njb	AR	01/06/23
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Strathbogie
 SHIRE COUNCIL

SCALE 1:500
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STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
 DETAIL PLAN
 STRATHBOGIE SHIRE COUNCIL
 DWG STATUS: **FOR TENDER** PROJECT & DWG No: 500960SRD03/ 19 REV: B
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No.	Min. Level	Max. Level	Colour	No.	Min. Level	Max. Level	Colour	No.	Min. Level	Max. Level	Colour
1	-3.00	-2.00	Red	5	-0.60	-0.30	Green	9	0.60	1.00	Blue
2	-2.00	-1.50	Orange	6	-0.30	0.00	Light Green	10	1.00	1.50	Purple
3	-1.50	-1.00	Yellow	7	0.00	0.30	Light Blue	11	1.50	2.00	Pink
4	-1.00	-0.60	Light Green	8	0.30	0.60	Light Purple	12	2.00	3.00	Dark Purple

NOTES: CUT & FILL DEPTH LEVELS ARE A COMPARISON BETWEEN EXISTING STRIPPED SURFACE & BOXING SURFACE. NS LEVELS ARE ORIGINAL AS-SURVEYED EXISTING SURFACE LEVELS & FS LEVELS ARE FINAL FINISHED SURFACE AFTER TOPSOILING.

B FOR TENDER REVISION
 A AS SUBMITTED TO COUNCIL

REV DES DWG CHK AUTH DATE

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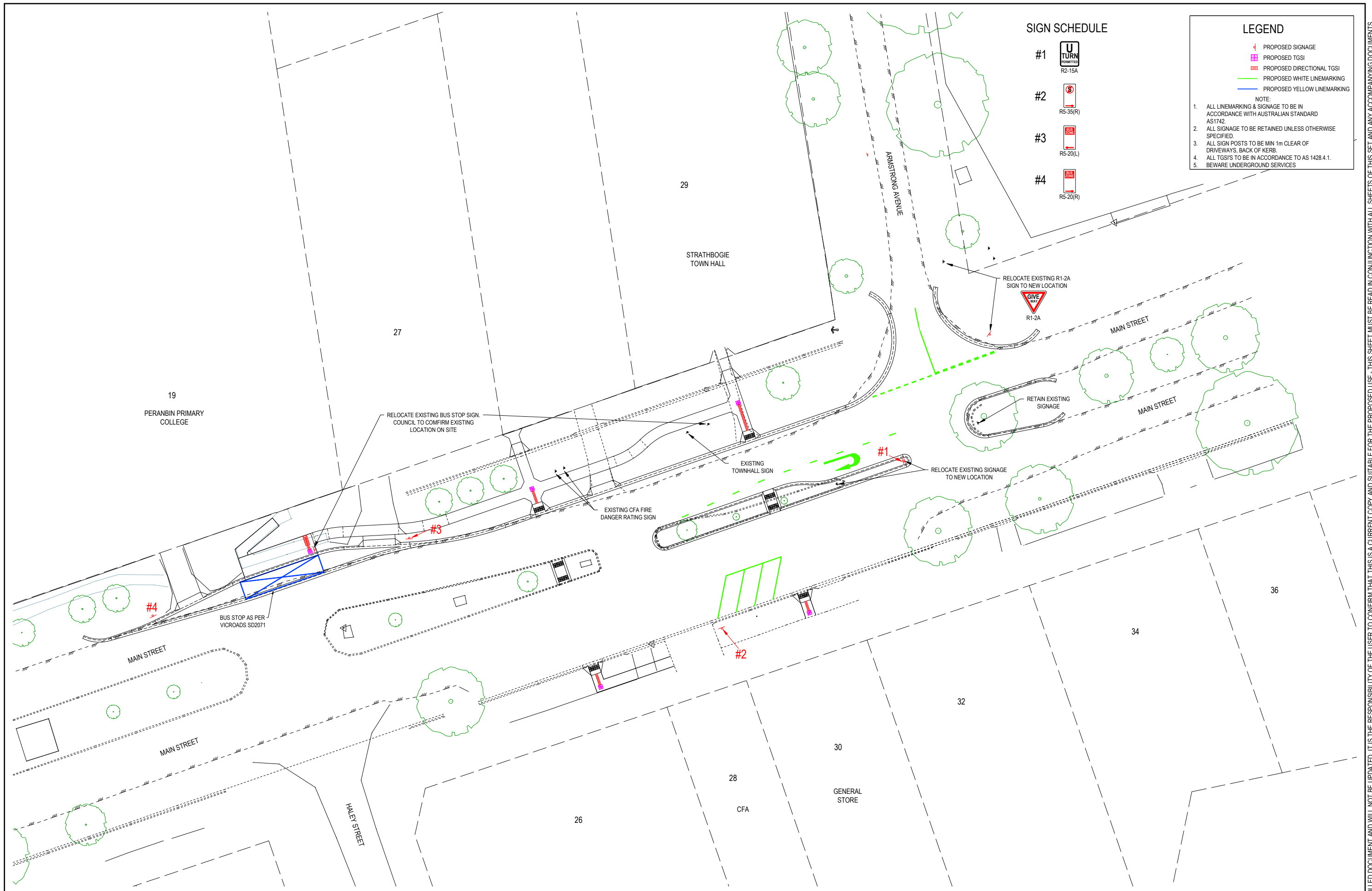
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STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
 CUT & FILL DEPTH RANGES
 STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER**
 PROJECT & DWG No: 500960SRD04 / 19

REV: B

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SIGN SCHEDULE

- #1 R2-15A
- #2 R5-35(R)
- #3 R5-20(L)
- #4 R5-20(R)

LEGEND

- PROPOSED SIGNAGE
- PROPOSED TGS
- PROPOSED DIRECTIONAL TGS
- PROPOSED WHITE LINEMARKING
- PROPOSED YELLOW LINEMARKING

NOTE:
 1. ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.
 2. ALL SIGNAGE TO BE RETAINED UNLESS OTHERWISE SPECIFIED.
 3. ALL SIGN POSTS TO BE MIN 1m CLEAR OF DRIVEWAYS, BACK OF KERB.
 4. ALL TGS'S TO BE IN ACCORDANCE TO AS 1428.4.1.
 5. BEWARE UNDERGROUND SERVICES

B	FOR TENDER REVISION	JM	SR	Njb	AR	16/02/24
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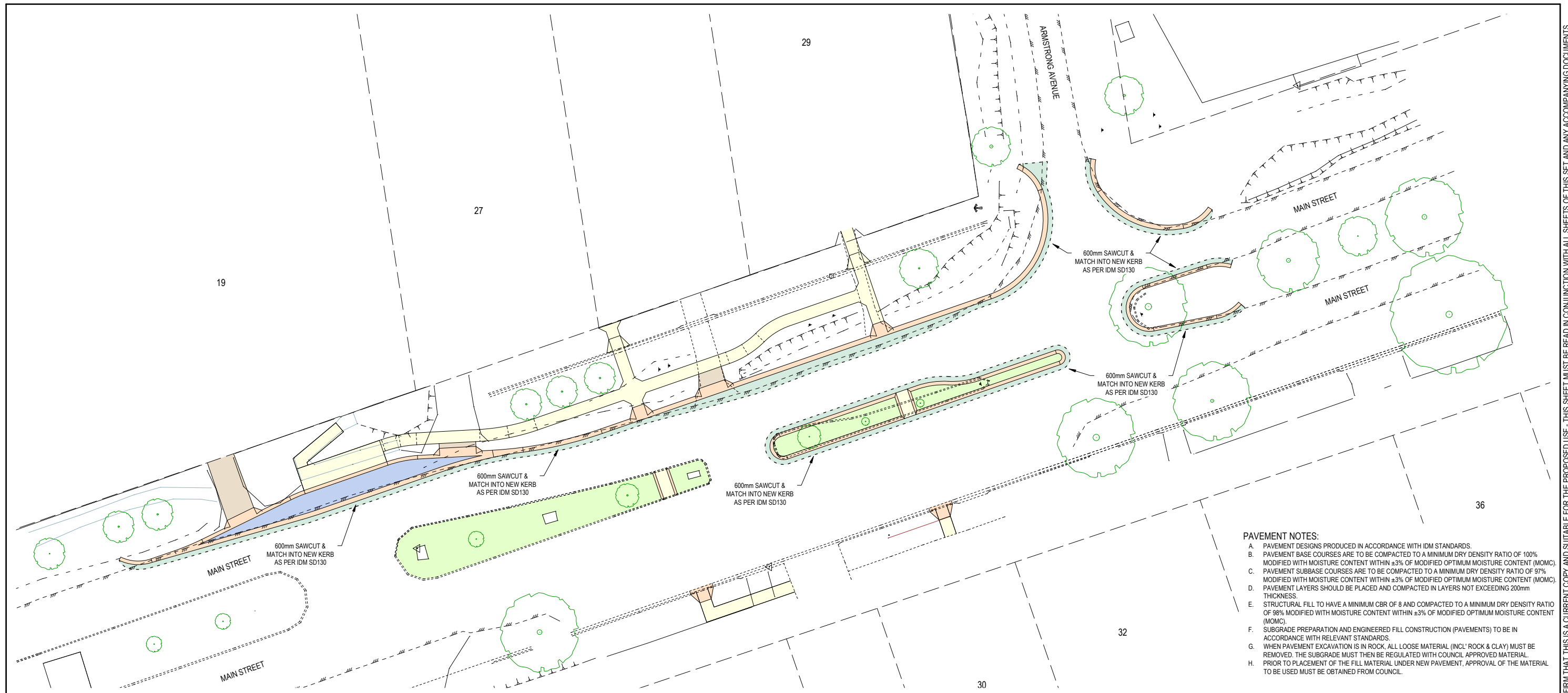
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STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
 SIGNAGE & LINEMARKING PLAN
 STRATHBOGIE SHIRE COUNCIL

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- PAVEMENT NOTES:**
- A. PAVEMENT DESIGNS PRODUCED IN ACCORDANCE WITH IDM STANDARDS.
 - B. PAVEMENT BASE COURSES ARE TO BE COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 100% MODIFIED WITH MOISTURE CONTENT WITHIN ±3% OF MODIFIED OPTIMUM MOISTURE CONTENT (MOMC).
 - C. PAVEMENT SUBBASE COURSES ARE TO BE COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 97% MODIFIED WITH MOISTURE CONTENT WITHIN ±3% OF MODIFIED OPTIMUM MOISTURE CONTENT (MOMC).
 - D. PAVEMENT LAYERS SHOULD BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 200mm THICKNESS.
 - E. STRUCTURAL FILL TO HAVE A MINIMUM CBR OF 8 AND COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% MODIFIED WITH MOISTURE CONTENT WITHIN ±3% OF MODIFIED OPTIMUM MOISTURE CONTENT (MOMC).
 - F. SUBGRADE PREPARATION AND ENGINEERED FILL CONSTRUCTION (PAVEMENTS) TO BE IN ACCORDANCE WITH RELEVANT STANDARDS.
 - G. WHEN PAVEMENT EXCAVATION IS IN ROCK, ALL LOOSE MATERIAL (INCL' ROCK & CLAY) MUST BE REMOVED. THE SUBGRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
 - H. PRIOR TO PLACEMENT OF THE FILL MATERIAL UNDER NEW PAVEMENT, APPROVAL OF THE MATERIAL TO BE USED MUST BE OBTAINED FROM COUNCIL.

CONCRETE FOOTPATH & SHARED PATH PAVEMENT DETAILS (IDM SD 205)		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 SURFACE FINISH		BROOMED FINISH & TOOLED JOINTS. FINISHED SURFACE TO COMPLY WITH AS 4586 - SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS
2 CONCRETE	125	CONCRETE 32MPa WITH SL72 TOP REINFORCEMENT WITH 50mm MIN. COVER.
3 BASE	100	20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (SEE NOTE B)
4 SUBGRADE		SUBGRADE PREPARATION (SEE NOTE F BELOW). SUBGRADE IMPROVEMENT AS DIRECTED BY SUPERINTENDENT

350mm DEPTH BUS STOP PAVEMENT AS PER VICROADS SD2071		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 BASE COURSE	200	32MPa CONCRETE WITH SL92 MESH WITH MINIMUM 60mm COVER OR FIBRE MESH ADDITIVE TO CONCRETE M/C AS APPROVED BY VICROADS
2 SUBBASE	150	SIZE 20mm 5% CEMENT TREATED CRUSHED ROCK (E=500MPa) OR LEAN MIX CONCRETE
3 SUBGRADE		SUBGRADE PREPARATION (SEE NOTE F BELOW). SUBGRADE IMPROVEMENT AS DIRECTED BY SUPERINTENDENT

SEAL EXTENSION PAVEMENT AS PER IDM SD130		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 WEARING COURSE	MIN. 30mm	COMPACTED DEPTH OF TYPE N ASPHALT 10mm NOMINAL SIZE
2 PRIME		
3 BASE	MIN. 160mm	COMPACTED DEPTH OF CLASS 2, 20mm F.C.R. BEDDING TO 97% MMDD OR EXTENSION OF ROAD PAVEMENT LAYERS, WHICH EVER IS GREATER, UNLESS OTHERWISE DIRECTED.
4 SUBBASE	MIN. 100mm	COMPACTED DEPTH OF CLASS 3, 20mm F.C.R. BEDDING TO 97% MMDD OR EXTENSION OF ROAD PAVEMENT LAYERS, WHICH EVER IS GREATER, UNLESS OTHERWISE DIRECTED.
5 SUBGRADE		SUBGRADE PREPARATION (SEE NOTE G)

CONCRETE STD SINGLE & DOUBLE DRIVEWAYS		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 SURFACE FINISH		BROOMED FINISH & TOOLED JOINTS. FINISHED SURFACE TO COMPLY WITH AS 4586 - SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS
2 WEARING COURSE	150	REINFORCED CONCRETE 32MPa WITH SL 82 MESH
3 BASE	100	THICK SIZE 20mm CLASS 3 FCR
4 SUBGRADE		SUBGRADE PREPARATIONS (SEE NOTE G)

LANDSCAPING AREA		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
1 SURFACE FINISH		PLANTING ARRANGEMENT AS PER LANDSCAPE PALLETTE

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A AS SUBMITTED TO COUNCIL	JM SR Np AR 01/06/23
REV	DES DWG CHK AUTH DATE



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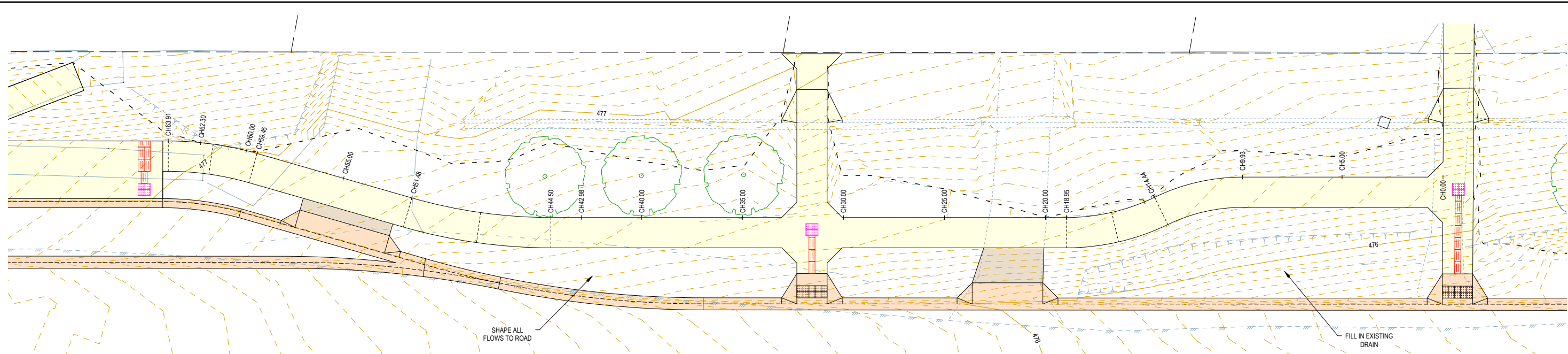
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**STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
PAVEMENT DETAILS**
STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER** PROJECT & DWG No: 500960SRD06/ 19 REV: B

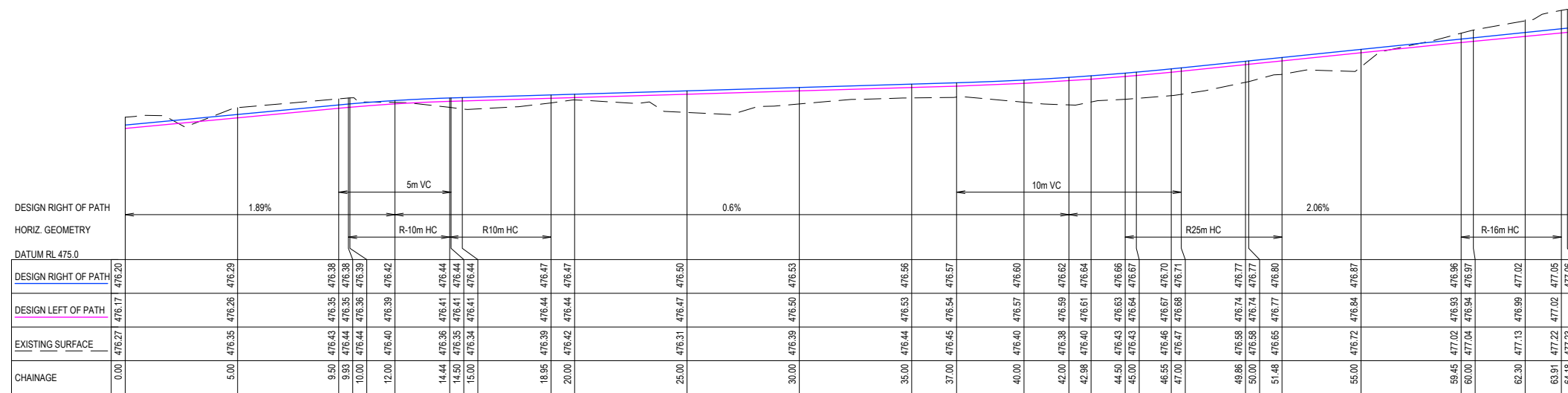
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EAST FP NTH-STH
SCALE 1:200

- GENERAL DESIGN DETAIL PLAN NOTES**
 APPLIES IN ALL CASES UNLESS STATED OTHERWISE
- KERB TYPES AS PER IDM STANDARDS
 - ALL LAYBACK AS PER IDM SD235
 - ALL KERB RETURNS ARE RADIUS FROM B&K
 - RETAIN ALL EXISTING SIGNS UNLESS OTHERWISE SPECIFIED
 - HANDRAILS TO BE INSTALLED AS PER AS1428
 - WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE CULTURAL HERITAGE REQUIREMENTS
 - CONTOUR INTERVAL 0.2 @ 1:1,000 & 0.05 @ 1:200 (A3) WHERE SHOWN

WARNING
 BEWARE OF UNDERGROUND SERVICES
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EAST FP NTH-STH
SCALE H 1:250 V 1:50

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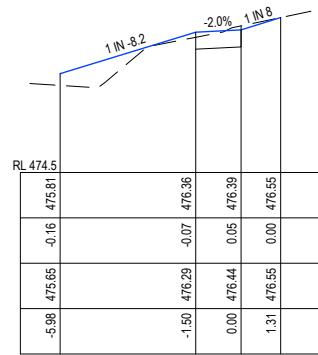
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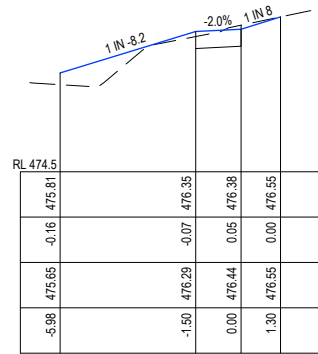
STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
EAST FP NTH-STH LONG SECTIONS
 STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER**
 PROJECT & DWG No: 500960SRD07/ 19
 REV: B

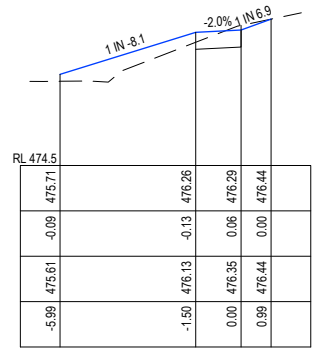
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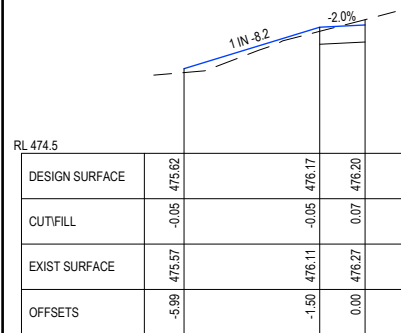
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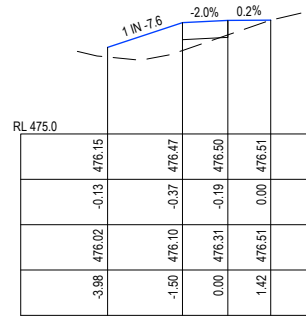
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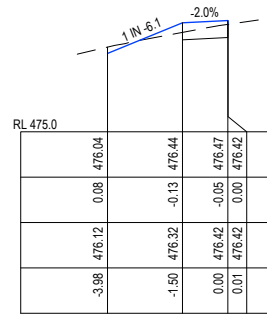
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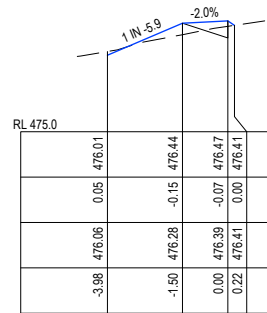
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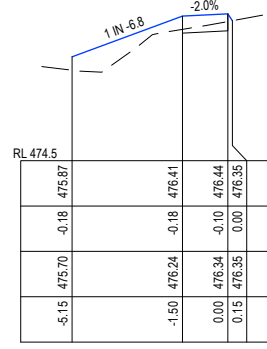
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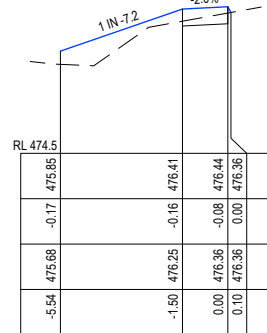
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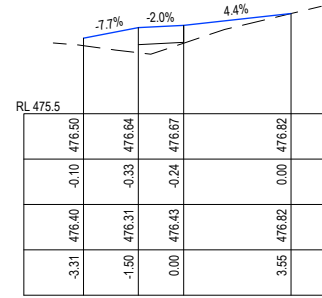
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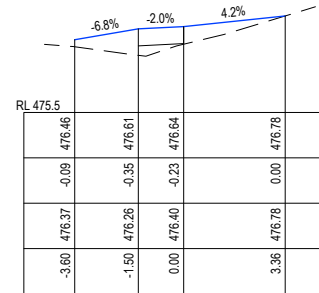
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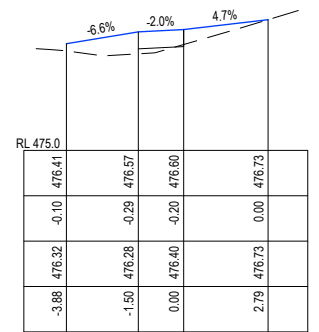
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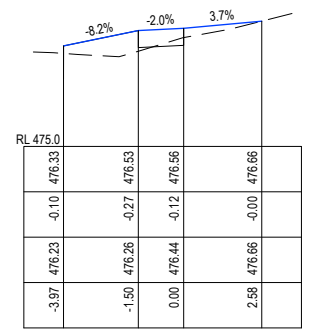
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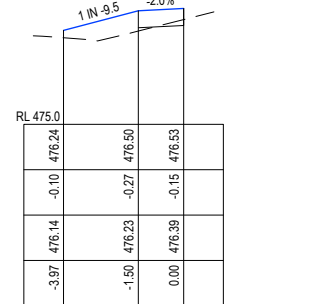
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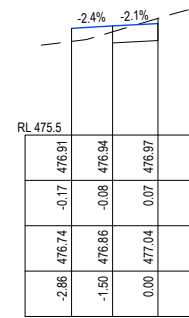
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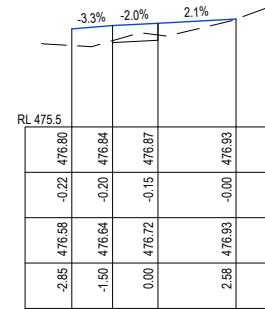
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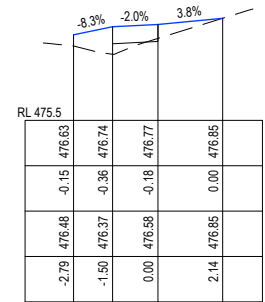
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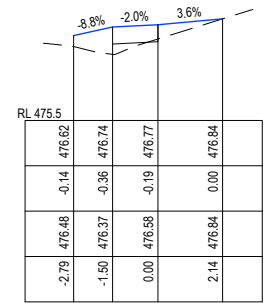
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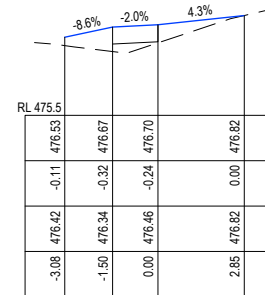
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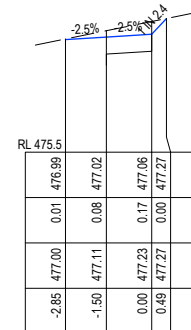
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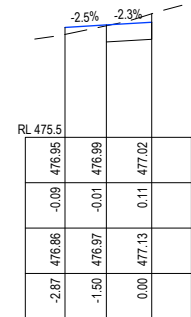
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CH 46.55



CH 64.19



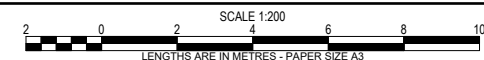
CH 62.3

EAST FP NTH-STH
SCALE H 1 : 250 V 1 : 100

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REV	REVISION	DES	DWG	CHK	AUTH	DATE



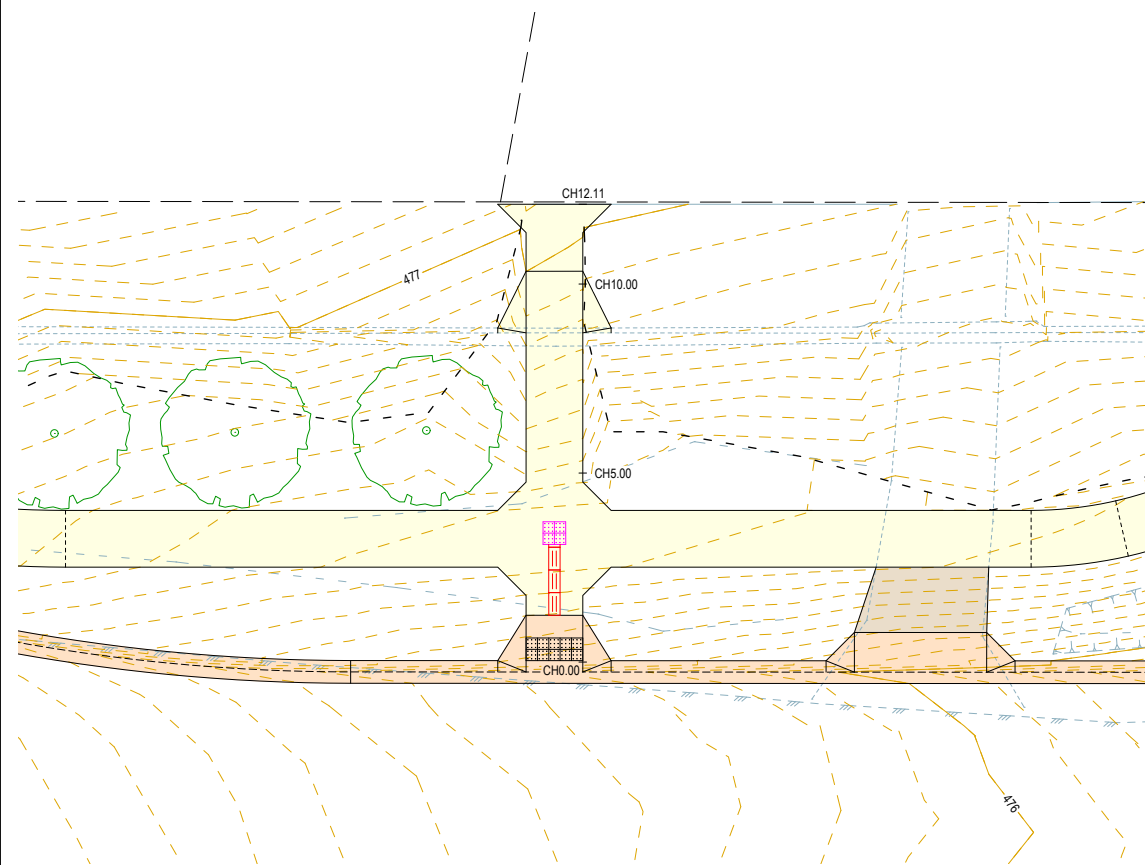
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STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
EAST FP NTH-STH CROSS SECTIONS
STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER** PROJECT & DWG No: 500960SRD08/ 19 REV: B

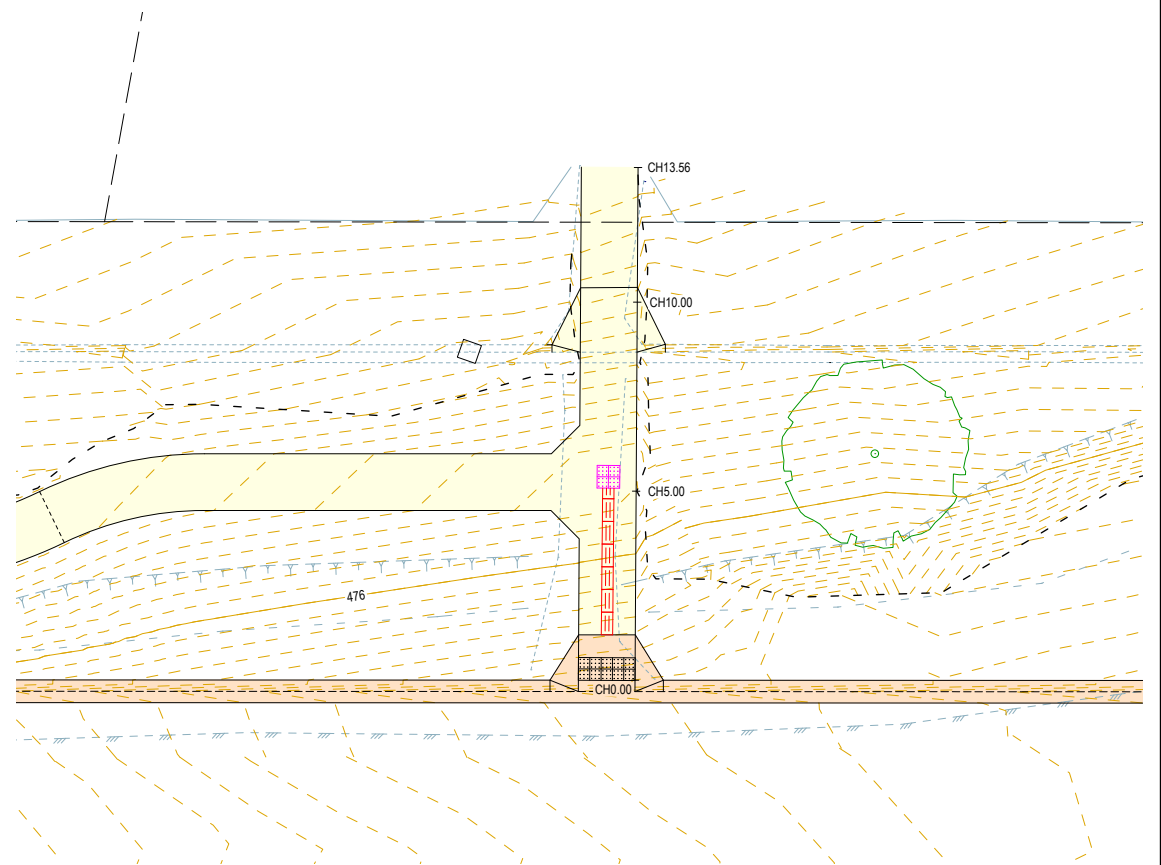
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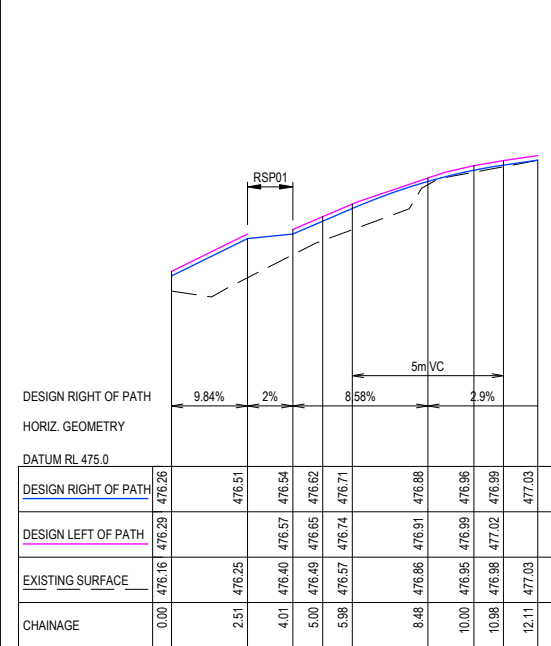
GENERAL DESIGN DETAIL PLAN NOTES
 APPLIES IN ALL CASES UNLESS STATED OTHERWISE
 • KERB TYPES AS PER IDM STANDARDS
 • ALL LAYBACKS AS PER IDM SD235
 • ALL KERB RETURNS ARE RADIUS FROM BoK
 • RETAIN ALL EXISTING SIGNS UNLESS OTHERWISE SPECIFIED
 • HANDRAILS TO BE INSTALLED AS PER AS1428
 • WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE CULTURAL HERITAGE REQUIREMENTS
 • CONTOUR INTERVAL 0.2 @ 1:1,000 & 0.05 @ 1:200 (A3) WHERE SHOWN

WARNING
 BEWARE OF UNDERGROUND SERVICES
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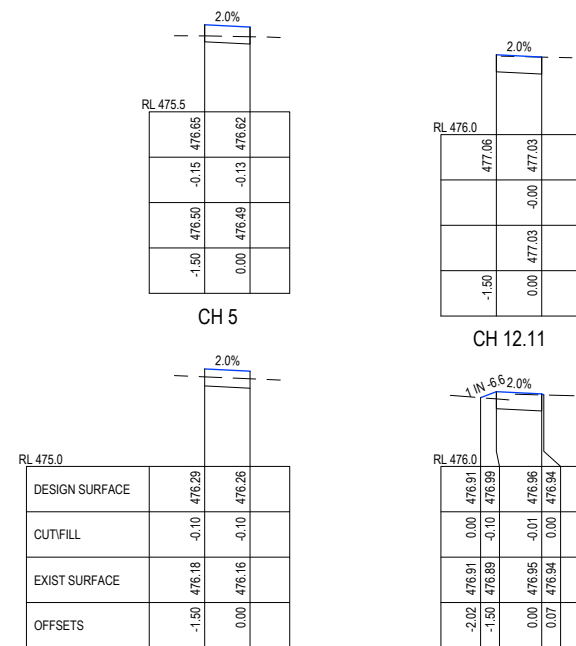
NEW EAST FP
 SCALE 1:200



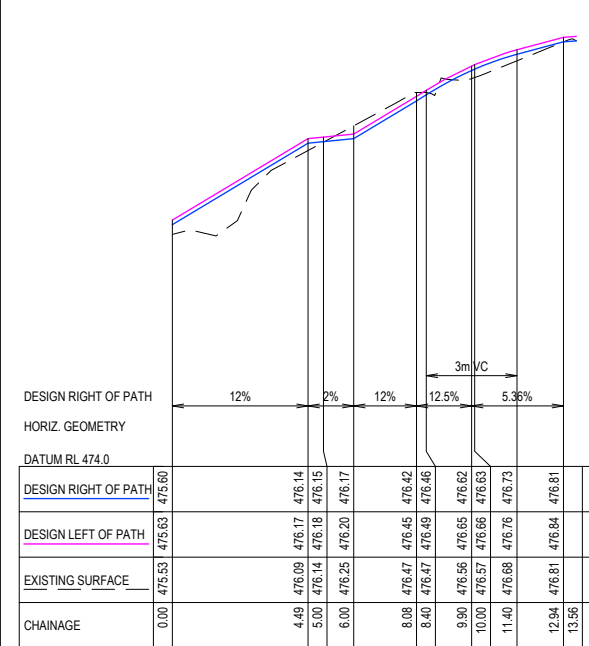
TOWNHALL FP
 SCALE 1:200



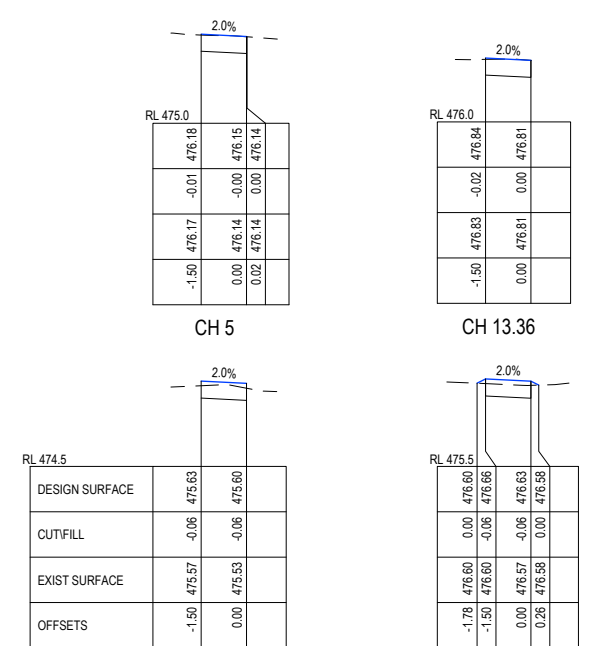
NEW EAST FP
 SCALE H 1:250 V 1:50



NEW EAST FP
 SCALE H 1:250 V 1:100

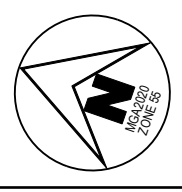


TOWNHALL FP
 SCALE H 1:250 V 1:50



TOWNHALL FP
 SCALE H 1:250 V 1:100

B FOR TENDER REVISION	JM SR Njb AR 16/02/24
A AS SUBMITTED TO COUNCIL	JM SR Njb AR 01/06/23
REV	DES DWG CHK AUTH DATE



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Strathbogie
 SHIRE COUNCIL

SCALE 1:200
 LENGTHS ARE IN METRES - PAPER SIZE A3

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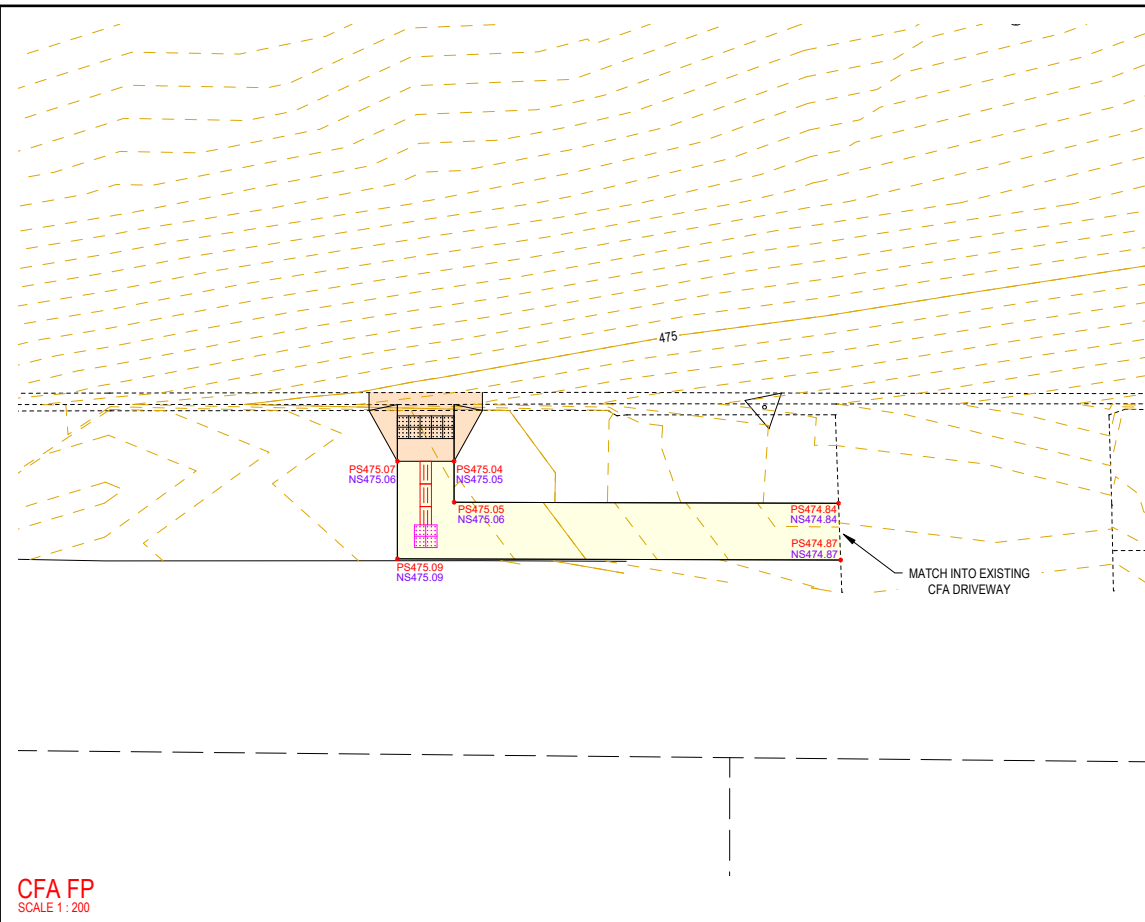
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STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
TOWNHALL & NEW EAST FP LONG & CROSS SECTION
 STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER**
 PROJECT & DWG No: 500960SRD09/ 19

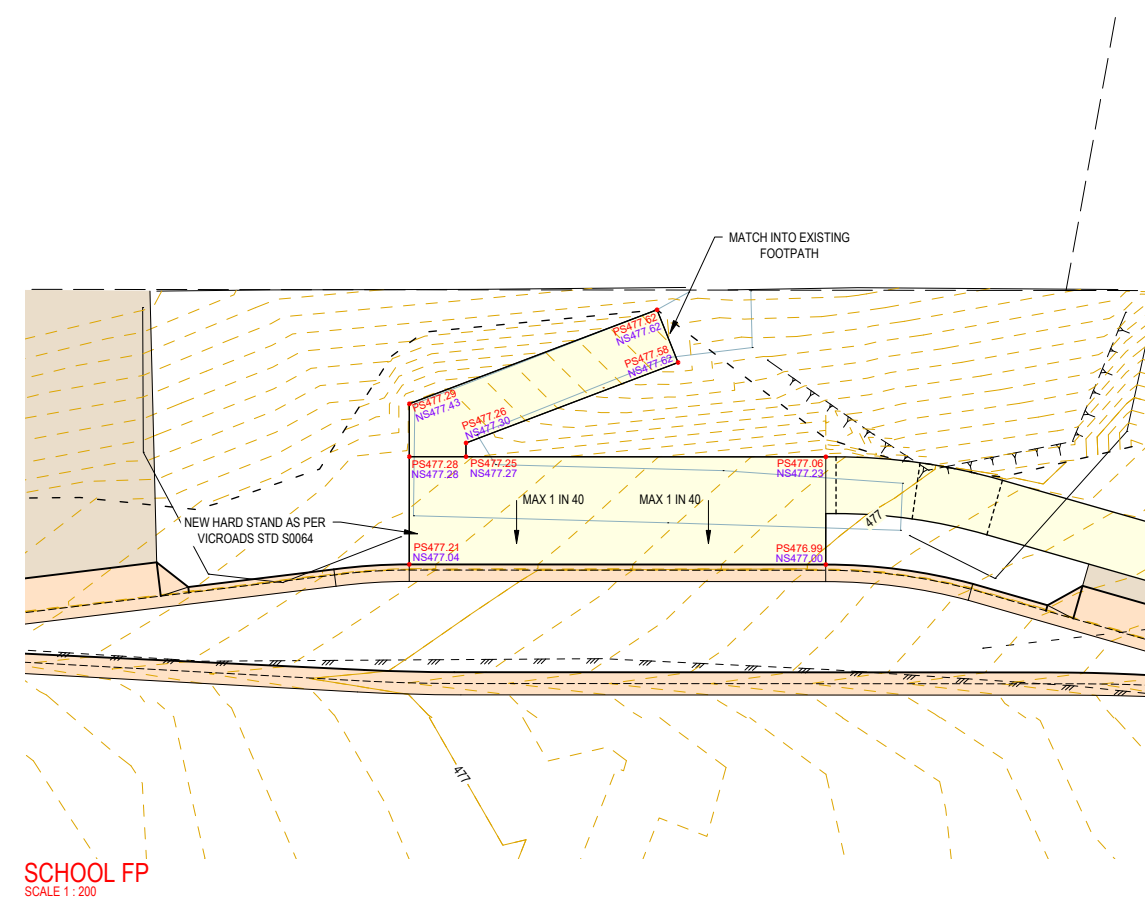
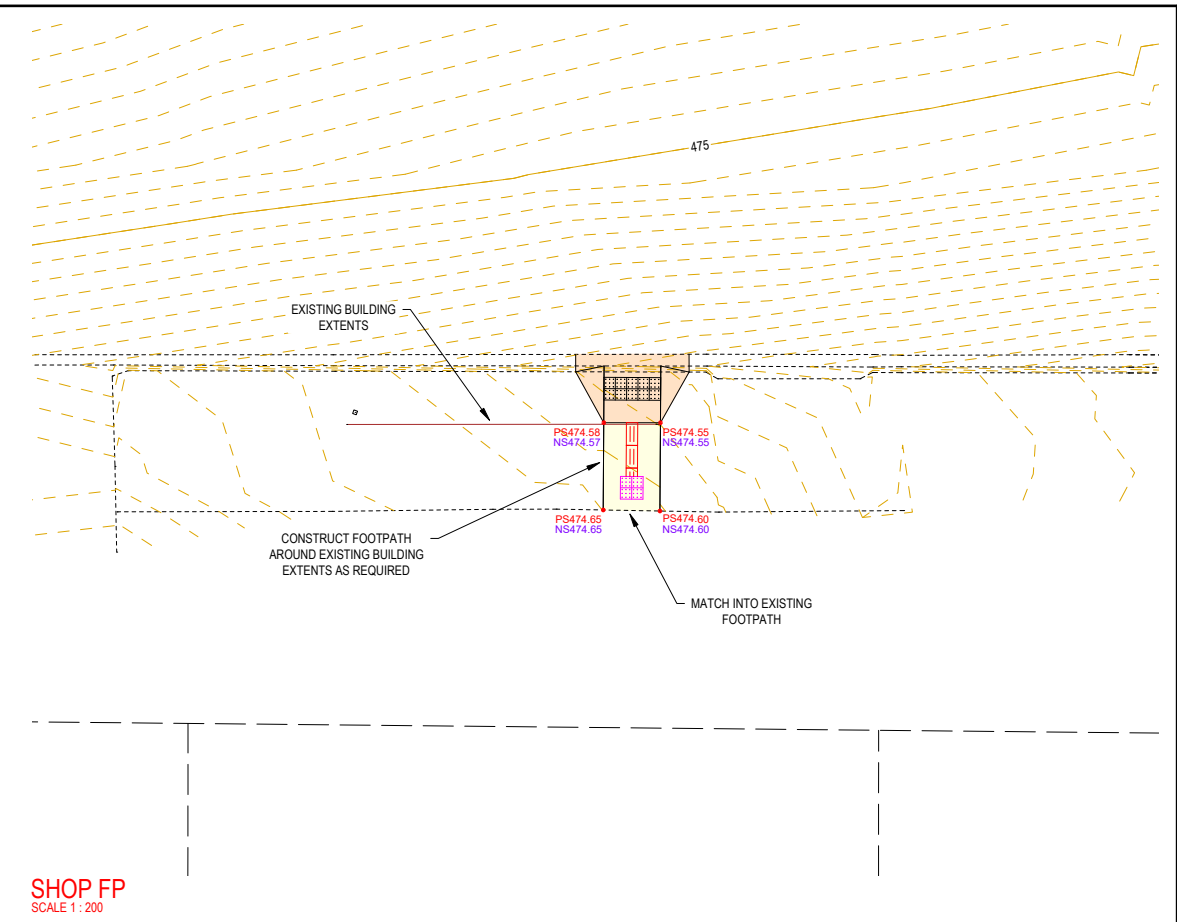
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GENERAL DESIGN DETAIL PLAN NOTES
 APPLIES IN ALL CASES UNLESS STATED OTHERWISE

- KERB TYPES AS PER IDM STANDARDS
- ALL LAYBACKS AS PER IDM SD235
- ALL KERB RETURNS ARE RADIUS FROM BoK
- RETAIN ALL EXISTING SIGNS UNLESS OTHERWISE SPECIFIED
- HANDRAILS TO BE INSTALLED AS PER AS1428
- WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE CULTURAL HERITAGE REQUIREMENTS
- CONTOUR INTERVAL 0.2 @ 1: 1,000 & 0.05 @ 1: 200 (A3) WHERE SHOWN

WARNING
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A	AS SUBMITTED TO COUNCIL	JM	SR	Njb	AR	01/06/23
REV	REVISION	DES	DWG	CHK	AUTH	DATE



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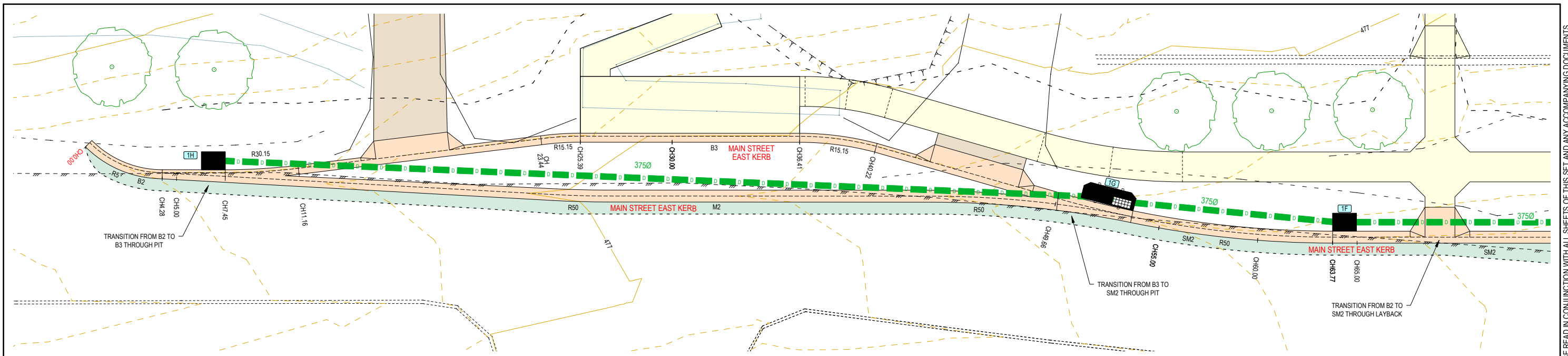
STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
CFA, SHOP & SCHOOL FP LEVELS
 STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER**

PROJECT & DWG No: 500960SRD10/ 19

REV: B

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CHAINAGE	0.00	2.00	4.28	5.00	7.45	9.50	10.00	11.16	15.00	17.00	20.00	20.79	23.44	25.00	25.39	28.29	30.00	40.00	40.22	44.51	45.00	49.06	50.00	51.00	52.01	55.00	59.51	60.00	63.77	65.00	65.85	70.00	75.00	75.85	80.00		
DESIGN C.L.	477.48	477.44	477.39	477.38	477.34	477.30	477.29	477.27	477.21	477.18	477.13	477.09	477.09	477.06	477.05	477.00	476.97	476.75	476.64	476.64	476.63	476.53	476.52	476.50	476.48	476.42	476.35	476.34	476.28	476.26	476.24	476.17	476.08	476.06	475.97		
DESIGN M2 DRAIN INVERT																																					
DESIGN SAWCUT																																					
DESIGN BACK OF KERB	477.59	477.44	477.50	477.49	477.47	477.45	477.43	477.41	477.37	477.34	477.30	477.29	477.25	477.22	477.21	477.16	477.13	476.91	476.79	476.65	476.65	476.64	476.63	476.62	476.59	476.51	476.43	476.42	476.37	476.36	476.34	476.26	476.16	476.12	476.06	476.01	
EXISTING SURFACE	477.48	477.44	477.39	477.49	477.47	477.45	477.43	477.41	477.37	477.34	477.30	477.29	477.25	477.22	477.21	477.16	477.13	476.91	476.79	476.65	476.65	476.64	476.63	476.62	476.59	476.51	476.43	476.42	476.37	476.36	476.34	476.26	476.16	476.12	476.06	476.01	

MAIN STREET EAST KERB
SCALE H 1:250 V 1:50

B FOR TENDER REVISION	JM SR Njb AR 16/02/24				
A AS SUBMITTED TO COUNCIL	JM SR Njb AR 01/06/23				
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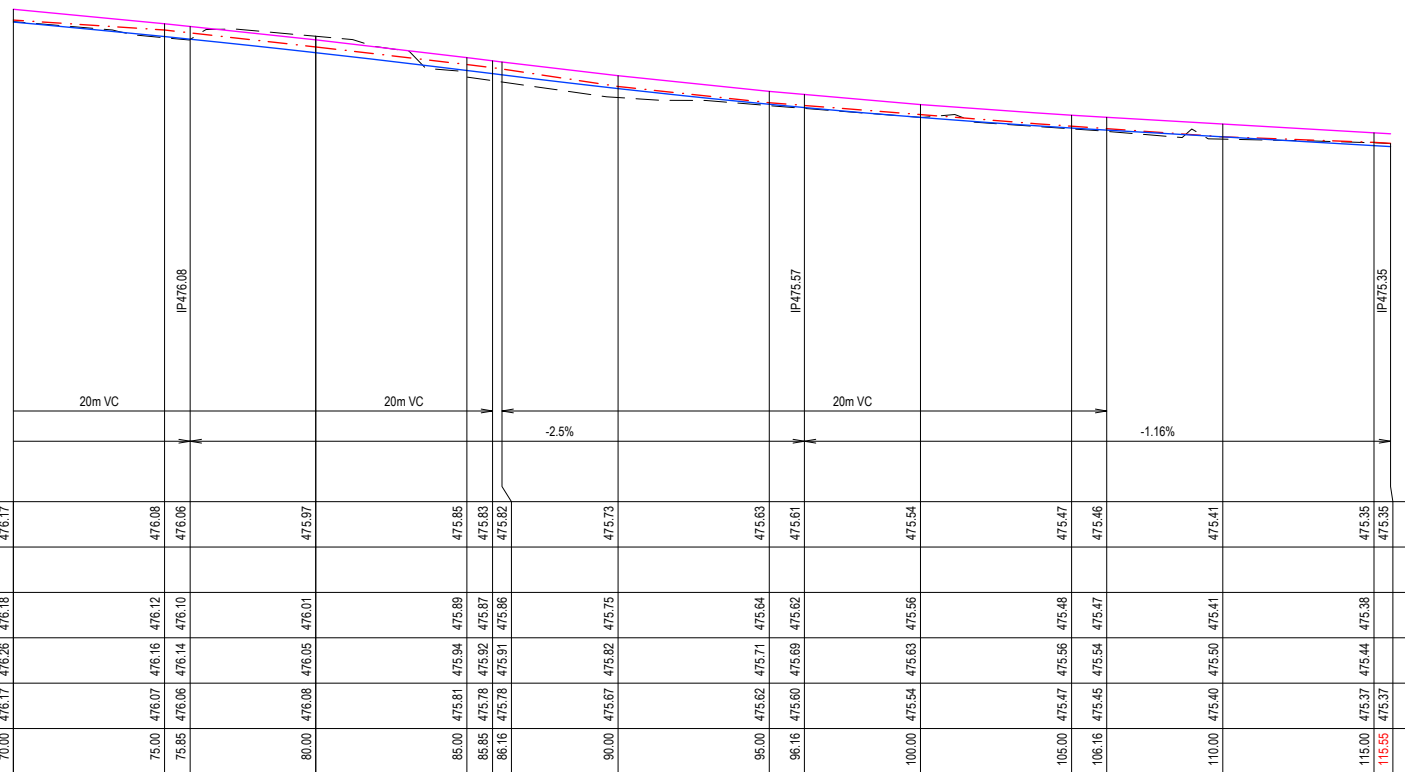
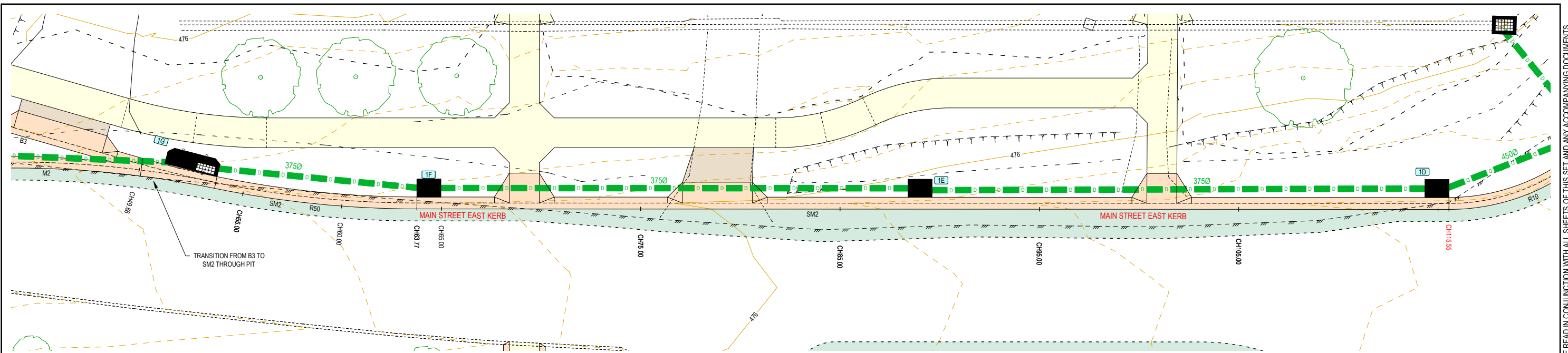
Strathbogie
SHIRE COUNCIL

SCALE 1:200
LENGTHS ARE IN METRES - PAPER SIZE A3

STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
MAIN STREET EAST KERB LONG SECTION (1 OF 2)
STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER**
PROJECT & DWG No: 500960SRD11/ 19

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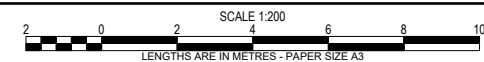
MAIN STREET EAST KERB
SCALE H 1:250 V 1:50

B FOR TENDER REVISION
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JM SR Njb AR 01/06/23
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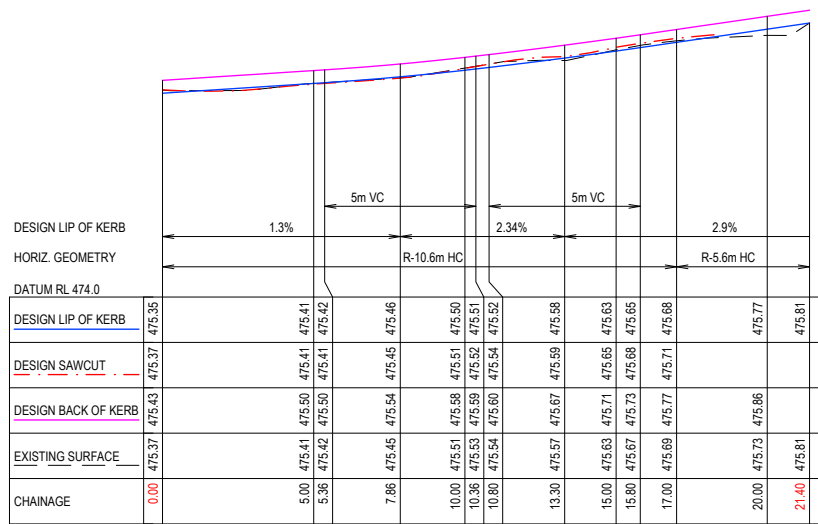
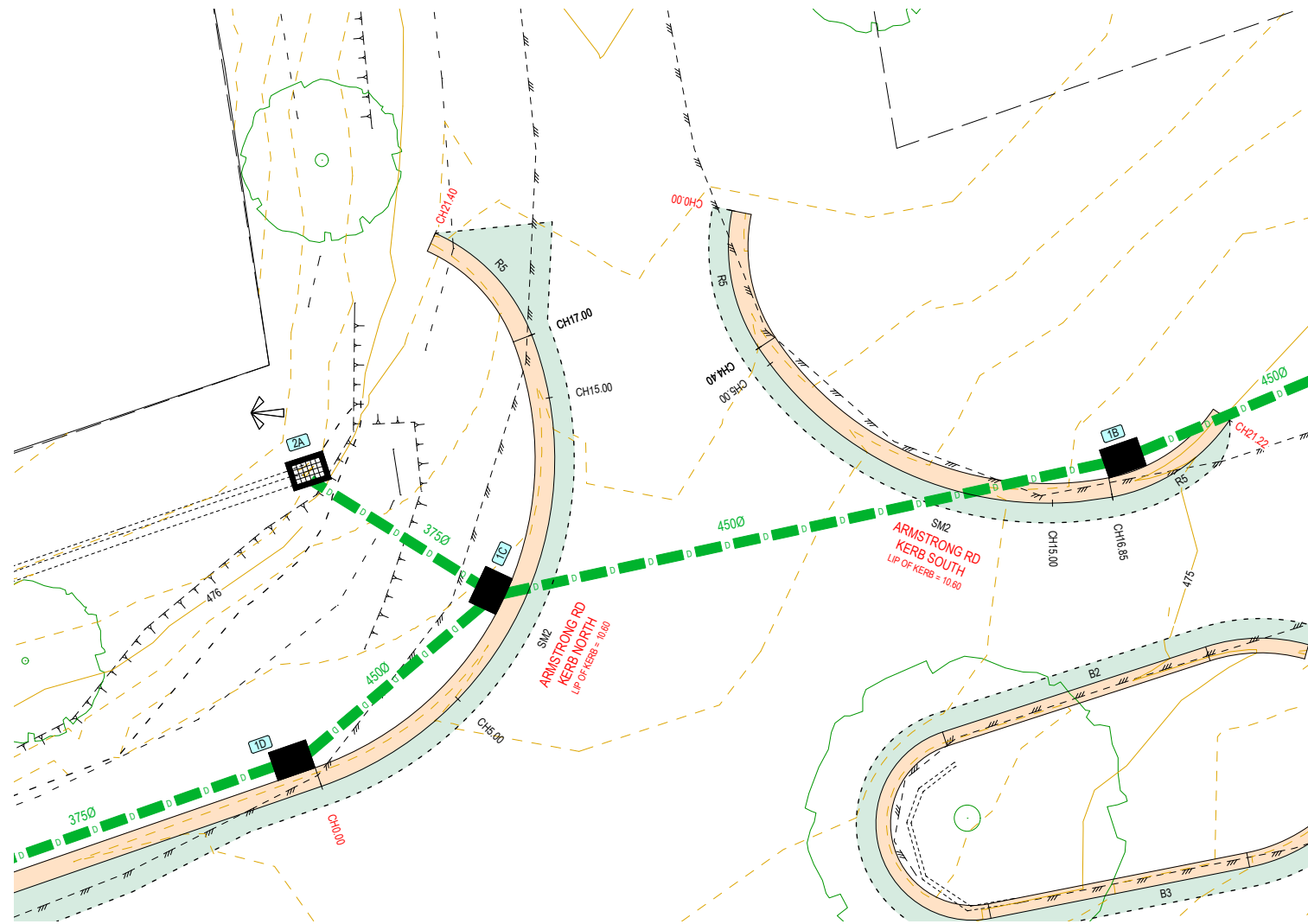
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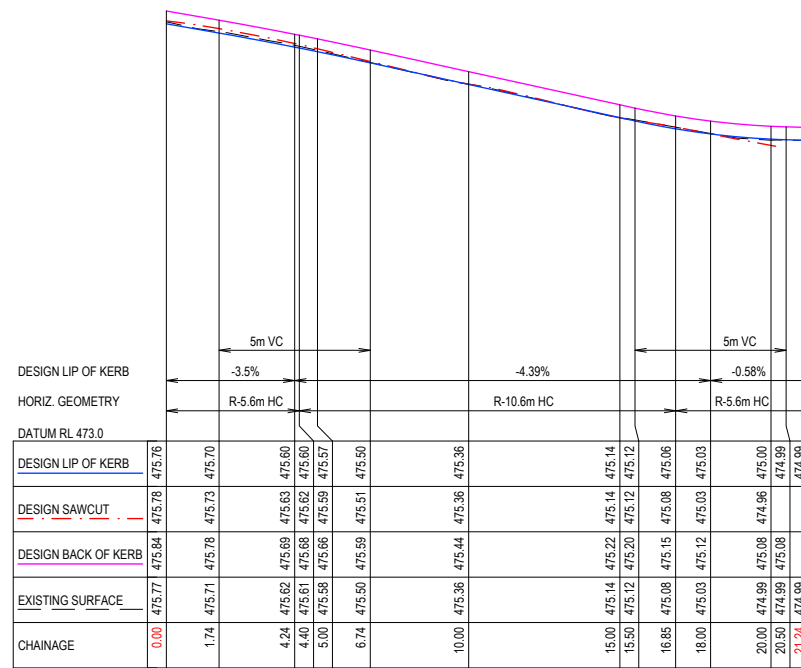
STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
MAIN STREET EAST KERB LONG SECTION (2 OF 2)
STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER** PROJECT & DWG No: 500960SRD12/ 19 REV: B

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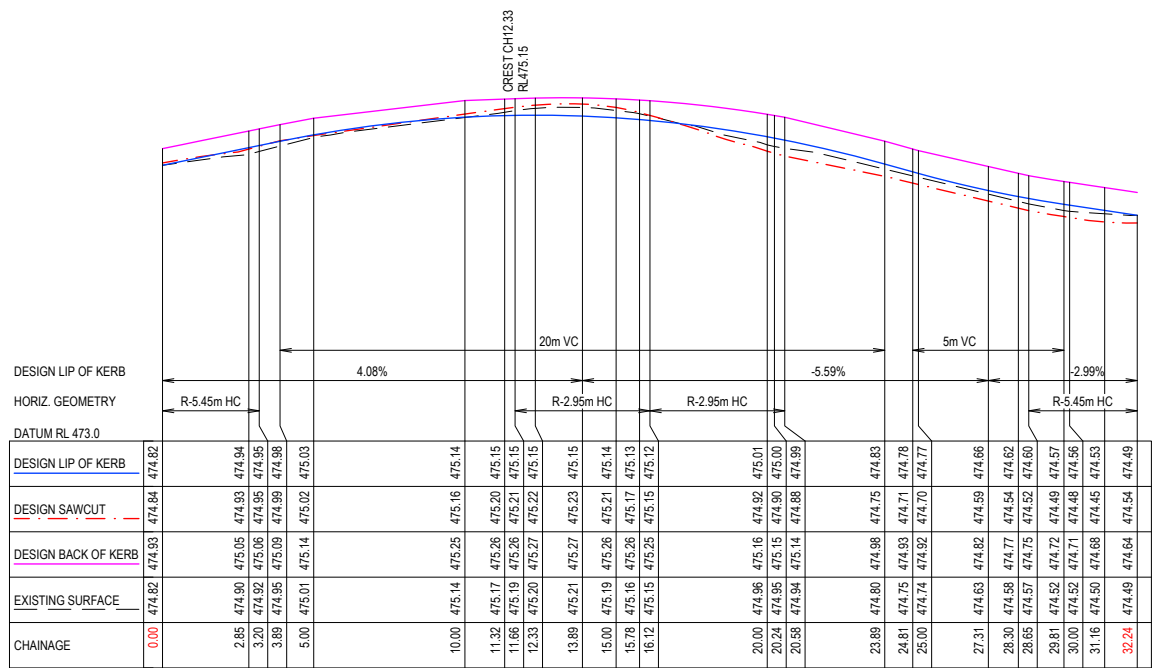
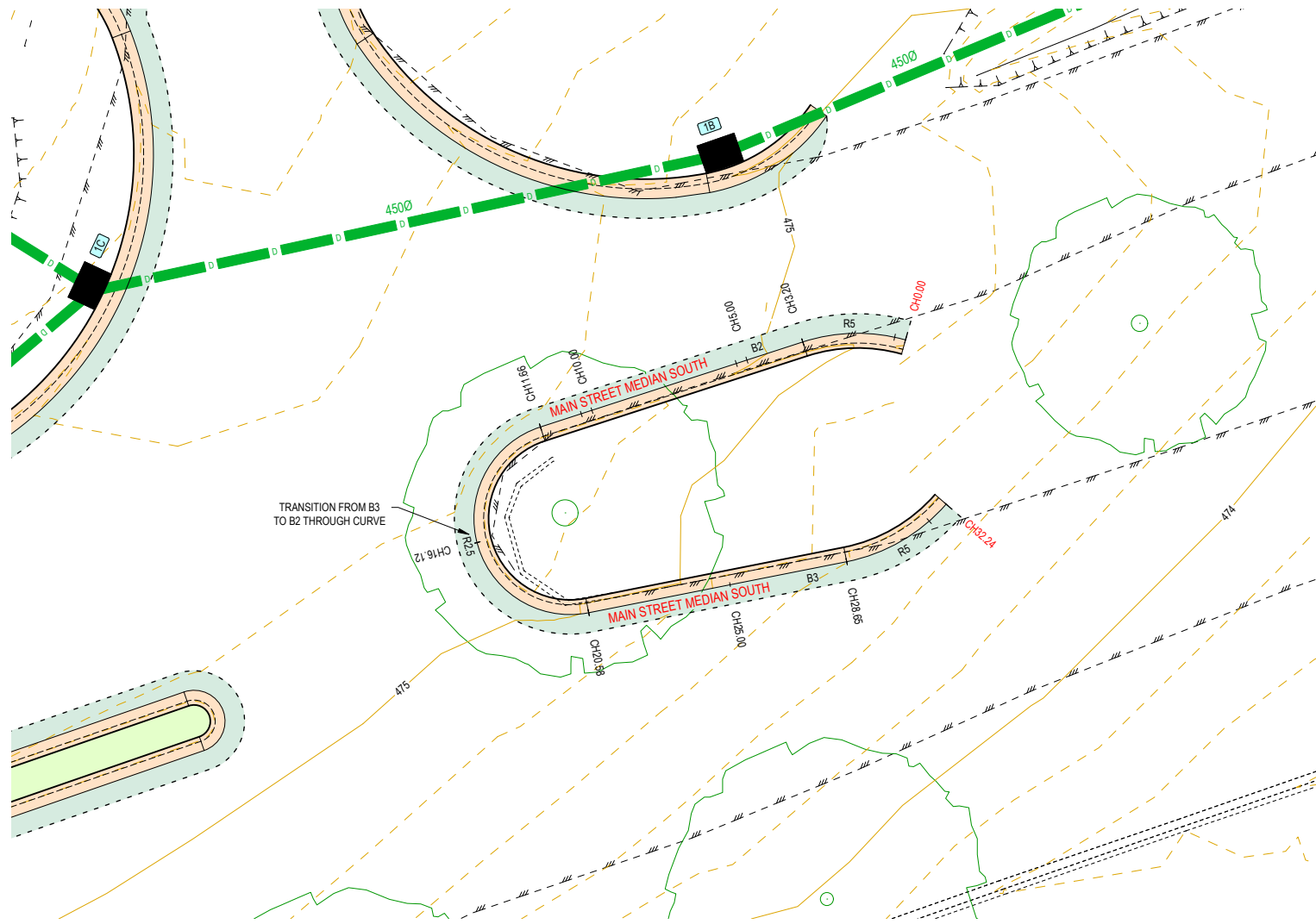


ARMSTRONG RD KERB NTH
 SCALE H 1 : 250 V 1 : 50



ARMSTRONG RD KERB STH
 SCALE H 1 : 250 V 1 : 50





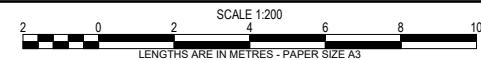
MAIN STREET MEDIAN STH
SCALE H 1 : 250 V 1 : 50

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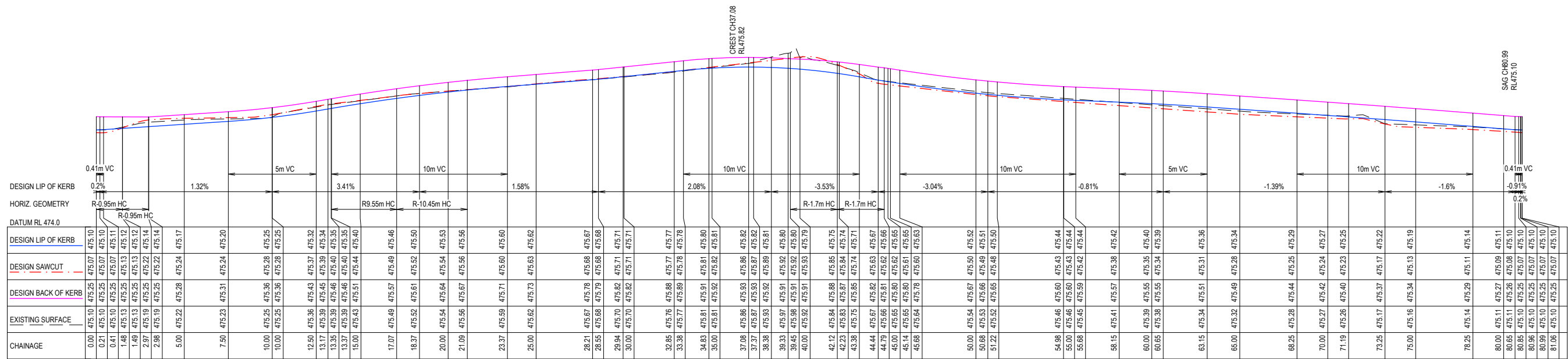
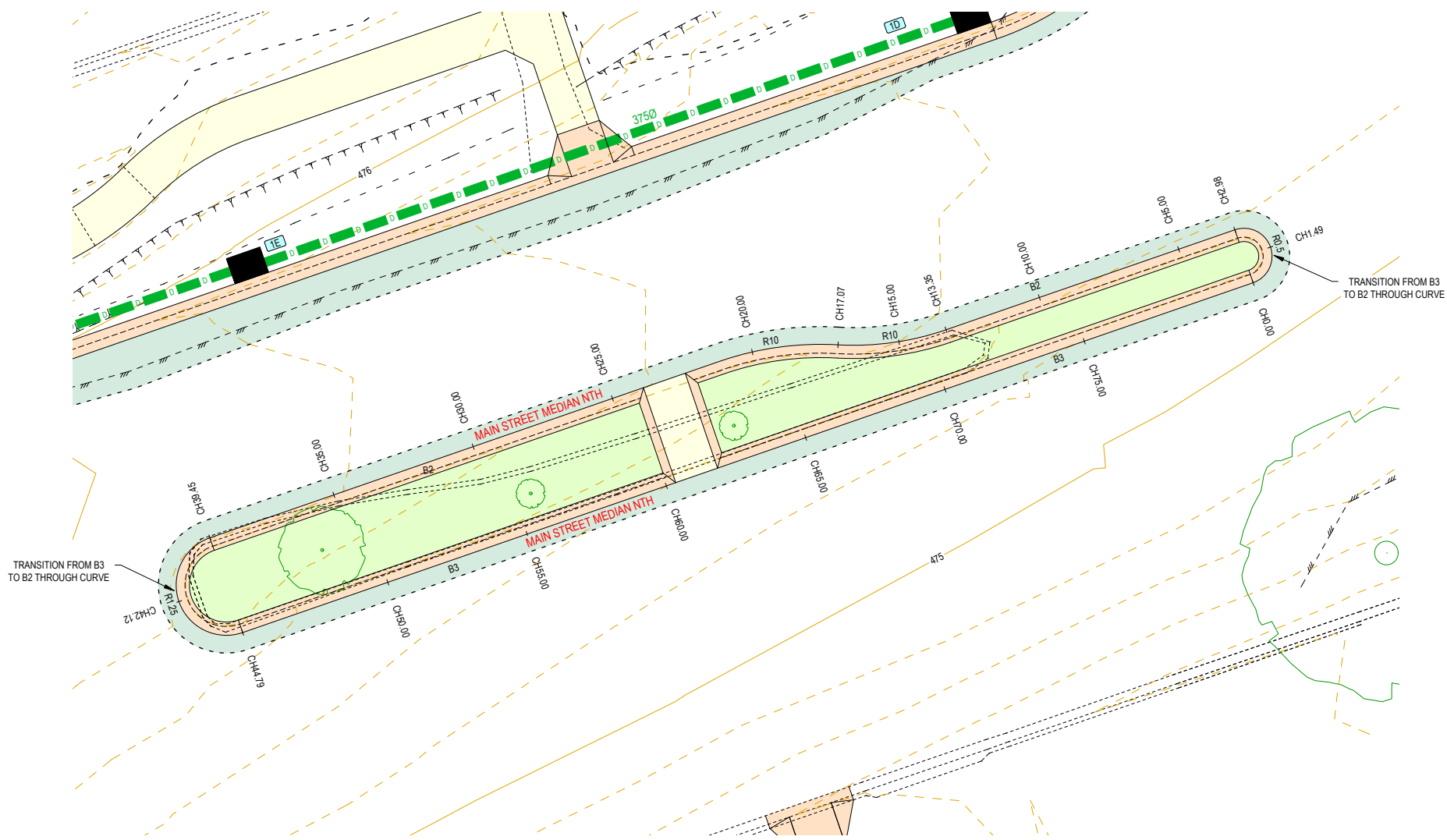
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STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
MAIN STREET MEDIAN STH LONG SECTION
STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER** PROJECT & DWG No: 500960SRD15/ 19 REV: B

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MAIN STREET MEDIAN NTH
SCALE H: 1:250 V: 1:50

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REV	REVISION	DES	DWG	CHK	AUTH	DATE



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Strathbogie
SHIRE COUNCIL

SCALE 1:200
LENGTHS ARE IN METRES - PAPER SIZE A3

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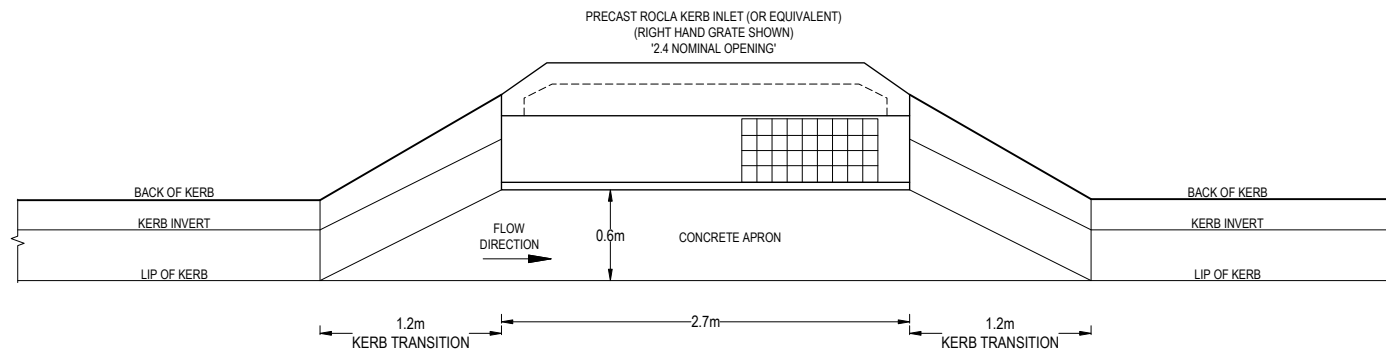
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STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
MAIN STREET MEDIAN NTH LONG SECTION
STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER**
PROJECT & DWG No: 500960SRD16/ 19

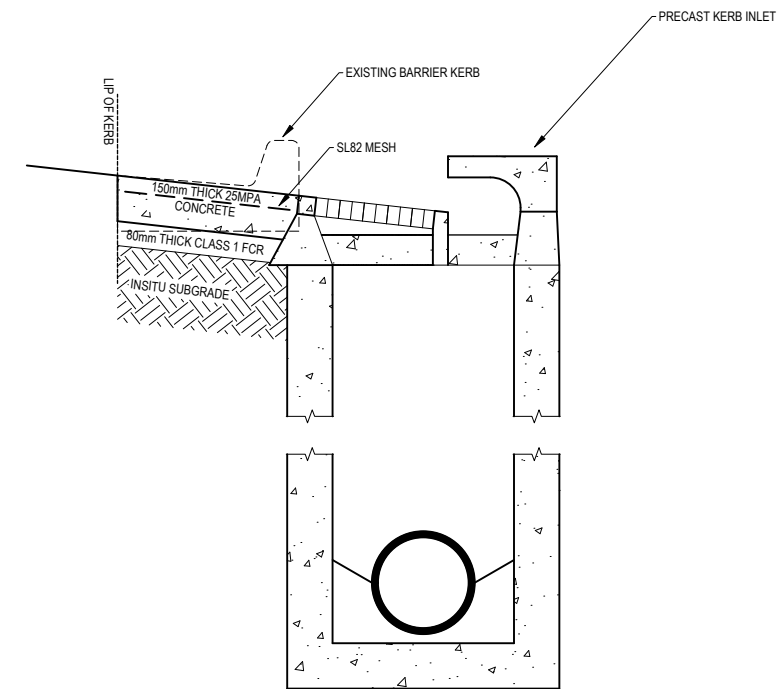
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PIT SCHEDULE												
PIT NAME	TYPE	EASTING	NORTHING	INTERNAL		INLET DIA	INV LEV	OUTLET DIA	INV LEV	PIT SETOUT RL	DEPTH	REMARKS
				WD	LEN							
01A	EWALL	387366.886	5920169.027	600	900	450	473.871			474.371	0.500	DRIVEABLE ENDWALL AS PER VICROADS SD1991
01B	SEP	387358.913	5920188.172	600	900	450	473.994	450	473.974	475.135	1.160	IDM SD435
01C	SEP	387354.858	5920207.5	600	900	450	474.212	450	474.192	475.578	1.385	IDM SD435
							375	474.267				
01D	SEP	387349.596	5920213.64	600	900	375	474.369	450	474.294	475.460	1.166	IDM SD435
01E	SEP	387341.175	5920238.118	600	900	375	474.648	375	474.628	475.886	1.258	IDM SD435
01F	SEP	387332.977	5920261.354	600	900	375	474.914	375	474.894	476.398	1.504	IDM SD435
01G	JP + GJP	387330.527	5920272.315	600	900	375	475.047	375	475.027	476.585	1.559	EXTENDED KERB INLET AS PER TYPICAL DETAILS
01H	SEP	387317.421	5920316.108	600	900			375	475.733	477.513	1.781	IDM SD431
02A	JP	387358.509	5920213.104	600	900			375	474.403	475.991	1.589	IDM SD420



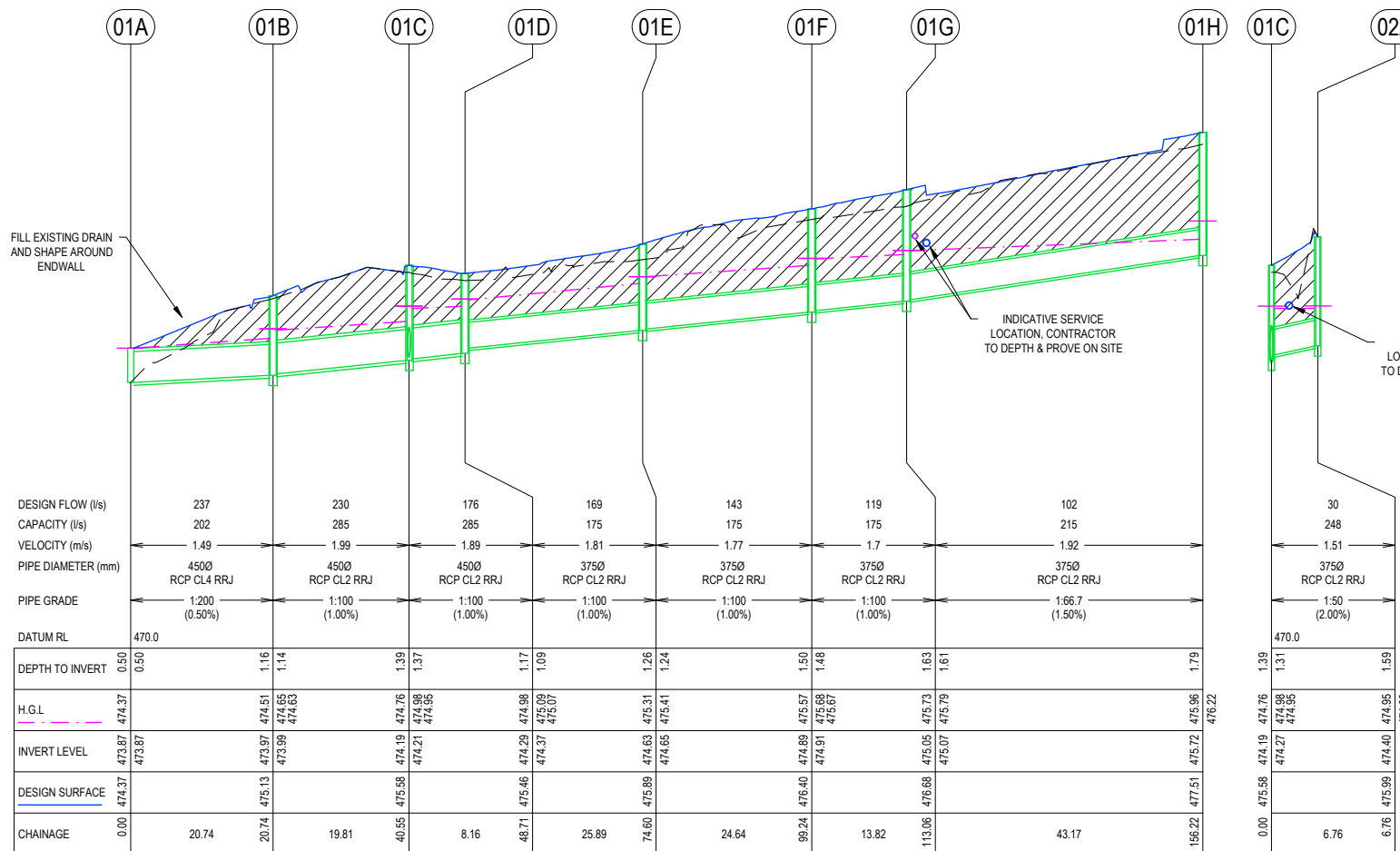
EXTENDED KERB INLET DETAIL - ON GRADE

SCALE 1:50



EXTENDED KERB INLET SECTION - ON GRADE

SCALE 1:25



NOTE:

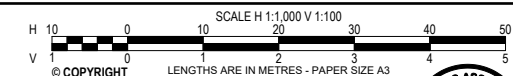


DENOTES FULL DEPTH 20mm CLASS 3 BACKFILL

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A AS SUBMITTED TO COUNCIL	JM SR Np AR 01/06/23
REV	DES DWG CHK AUTH DATE



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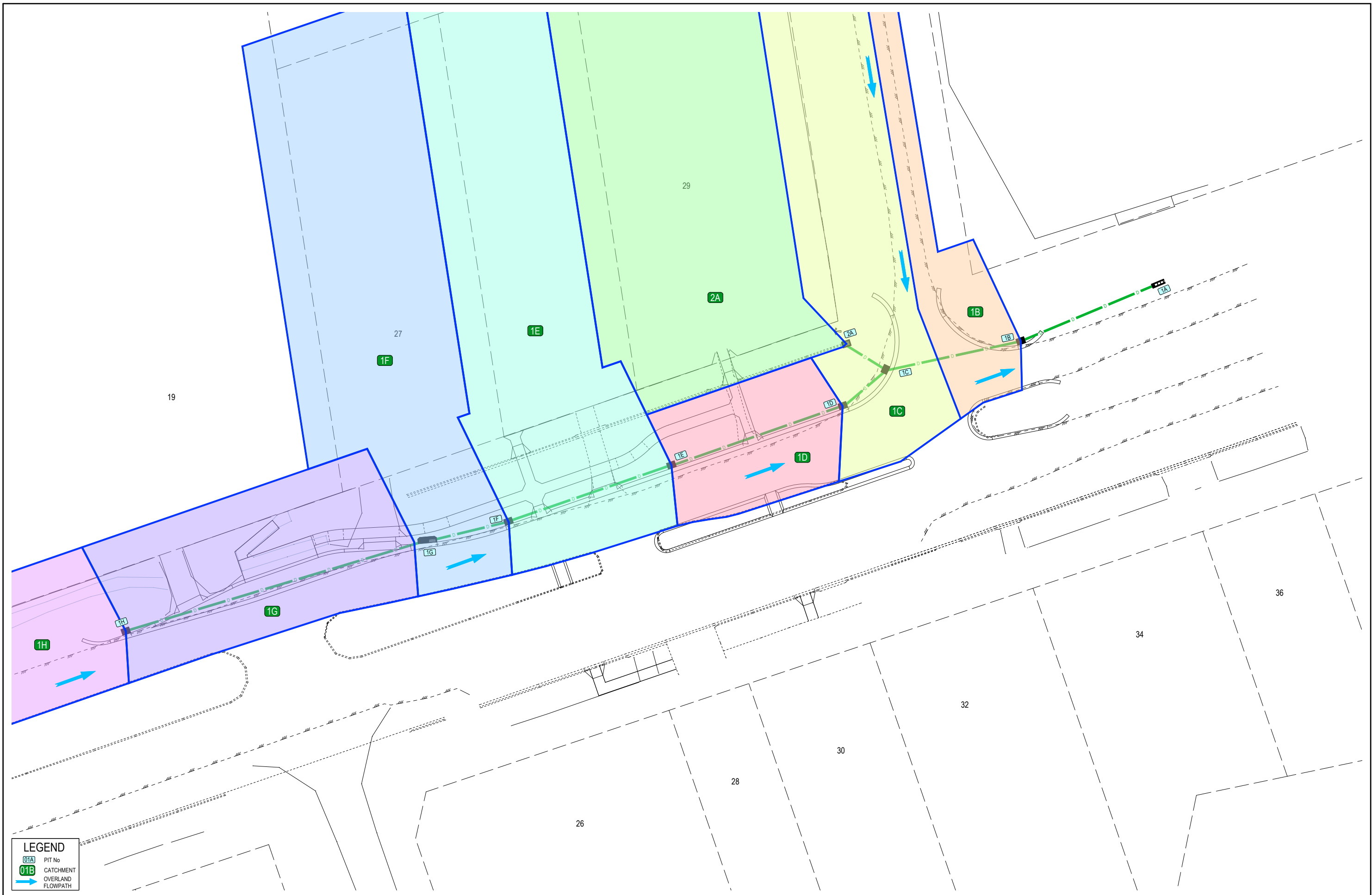
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STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
DRAINAGE LONG SECTIONS & PIT SCHEDULE
STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER** PROJECT & DWG No: 500960SRD17/ 19 REV: B

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A	AS SUBMITTED TO COUNCIL	JM	SR	Njb	AR	01/06/23
REV	REVISION	DES	DWG	CHK	AUTH	DATE

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SCALE H 1:1,000 V 1:100
 H 10 0 10 20 30 40 50 H
 V 1 2 3 4 5 V
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STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
NETWORK CATCHMENTS & 1% AEP FLOWPATHS
 STRATHBOGIE SHIRE COUNCIL
 DWG STATUS: **FOR TENDER** PROJECT & DWG No: 500960SRD18/ 19 REV: B
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 PLOT DATE: 16/02/2024 FILE: \\TOMKINSON\LOCAL\SHARES\FOLDER\RECORDS\STRATHBOGIE RFD\REV18.DWG

Project: 500960 Design Strathbogie
 Drainage Model: DRN/STR
 Rainfall File: Strathbogie_15052023.12dhydro
 Rainfall Method: FD Table
 Pipe Cover Limit: 0.6 m
 Manning n Roughness: 0.013
 Freeboard Limit: 0.15 m

Minor 20.00 AEP(%) Storm Event

Pipe ID	Pipe Type	Pipe Length (m)	Pipe Size (mm)	Full Pipe Area Af (sq.m)	Pipe Grade (%)	Pipe Grade (1 in)	Full-area Tct (min)	Full-area I (mm/hr)	Full-area Sum CA (ha)	Full-area Qc=CA (L/s)	Part-area Tct (min)	Part-area I (mm/hr)	Part-area Sum CA (ha)	Part-area Qc=CA (L/s)	Pipe Flow Q (L/s)	Capacity Flow Qcap (L/s)	Q/Qcap Ratio	Full Pipe Vel V=Q/Af (m/s)	Norm Depth Vel Vn=Q/An (m/s)	Crit Depth Vel Vc=Q/Ac (m/s)	Capacity Vel Vcap=Qcap/Af (m/s)	US Node Grate RL (m)	Pipe US L (m)	Pipe DS L (m)	DS Node Grate RL (m)	Cover Mn (m)	Pipe DS Bend (deg)	Pipe DS Drop (m)	US Node Ku	US Node Kw	Pipe Vhead (m)	Phead Loss (Ku.Vhead) (m)	WSE Loss (Kw.Vhead) (m)	Pipe Thead Loss (m)	US Node HGL (m)	Pipe US HGL (m)	Pipe DS HGL (m)	DS Node HGL (m)	HGL Grade (%)	HGL Grade (1 in)	Fboard US (m)
01B to 01A	RCP CL2 RRJ	20.74	450	0.159	0.50	200.0	7.13	91.53	0.9329	237.2	6.75	93.40	0.9088	235.8	237.2	201.7	1.18	1.49	1.49	1.82	1.27	475.13	473.97	473.87	474.37	-0.45	0.0		1.03	1.21	0.11	0.12	0.14	0.14	474.65	474.51	474.37	474.37	0.69	144.6	0.48
01C to 01B	RCP CL2 RRJ	19.81	450	0.159	1.00	100.0	6.96	92.34	0.8949	229.5	6.58	94.21	0.8708	227.9	229.5	285.2	0.80	1.44	1.99	1.79	1.79	475.58	474.19	473.99	475.13	0.66	10.5	0.020	1.78	2.10	0.11	0.19	0.22	0.13	474.98	474.76	474.63	474.65	0.65	154.4	0.50
01D to 01C	RCP CL2 RRJ	8.16	450	0.159	1.00	100.0	6.90	92.67	0.8839	176.0	5.51	94.55	0.8598	173.3	176.0	285.2	0.62	1.11	1.89	1.59	1.79	475.46	474.29	474.21	475.58	0.67	-28.2	0.020	1.49	1.70	0.06	0.09	0.11	0.03	475.09	474.98	474.95	474.98	0.38	262.5	0.37
01E to 01D	RCP CL2 RRJ	25.89	375	0.110	1.00	100.0	6.68	93.73	0.8507	169.4	6.30	95.61	0.8265	166.4	169.4	175.4	0.97	1.63	1.81	1.78	1.59	475.89	474.63	474.37	475.46	0.67	21.4	0.075	0.81	0.81	0.12	0.10	0.10	0.24	475.41	475.31	475.07	475.09	0.93	107.2	0.48
01F to 01E	RCP CL2 RRJ	24.64	375	0.110	1.00	100.0	6.47	94.74	0.8448	143.4	6.09	96.62	0.8207	139.7	143.4	175.4	0.82	1.30	1.77	1.63	1.59	476.40	474.89	474.65	475.89	0.85	-0.5	0.020	1.07	1.14	0.09	0.09	0.10	0.16	475.67	475.57	475.41	475.41	0.67	149.6	0.73
01G to 01F	RCP CL2 RRJ	11.24	375	0.110	1.00	100.0	6.38	95.21	0.8498	118.9	6.00	97.08	0.8266	114.8	118.9	175.4	0.68	1.08	1.71	1.49	1.59	476.59	475.03	474.91	476.40	1.06	6.7	0.020	0.93	0.97	0.06	0.05	0.06	0.05	475.78	475.72	475.67	475.67	0.46	217.5	0.81
01H to 01G	RCP CL2 RRJ	45.72	375	0.110	1.50	66.7	6.00	97.08	0.3799	102.4	6.00	97.08	0.3799	102.4	102.4	214.8	0.48	0.93	1.92	1.40	1.95	477.51	475.73	475.05	476.59	1.03	-4.1	0.020	6.07		0.04	0.27		0.25	476.23	475.97	475.77	475.78	0.43	234.7	1.28
02A to 01C	RCP CL2 RRJ	6.76	375	0.110	2.00	50.0	6.00	97.08	0.1097	29.6	6.00	97.08	0.1097	29.6	29.6	248.1	0.12	0.27	1.51	0.94	2.25	475.99	474.40	474.27	475.58	0.91	44.0	0.075	9.43		0.00	0.03		0.00	474.98	474.95	474.95	474.98	0.03	3517.7	1.01

Project: 500960 Design Strathbogie
 Drainage Model: DRN/STR
 Rainfall File: Strathbogie_15052023.12dhydro
 Tc Method: Direct
 Rainfall Method: IFD Table
 Runoff C Method: Direct

Minor 20.00 AEP(%) Storm Event

Node Name	Node Type	Setout Easting (m)	Setout Northing (m)	Setout RL (m)	Catch ID	Time Tc (min)	Intensity I (mm/hr)	Runoff C	Area A (ha)	Full CA (ha)	Full Sum CA (ha)	Full Qc=CA (L/s)	Partial CA (ha)	Partial Sum CA (ha)	Partial Qc=CA (L/s)	Approach Flow Qa (L/s)
01A	ENDWALL PRECAST	387366.89	5920169.03	474.37												
01B	IDM 900x600 SEP SD435	387358.91	5920188.17	475.13	1P	6.00	97.08	0.75	0.0507	0.0380	0.0380	10.3	0.0380	0.0380	10.3	10.3
01C	IDM 900x600 SEP SD435	387354.86	5920207.50	475.58	1P	6.00	97.08	0.75	0.1351	0.1014	0.1014	27.3	0.1014	0.1014	27.3	27.3
01D	IDM 900x600 SEP SD435	387349.60	5920213.64	475.46	1P	6.00	97.08	0.75	0.0443	0.0332	0.0332	9.0	0.0332	0.0332	9.0	9.0
01E	IDM 900x600 SEP SD435	387341.18	5920238.12	475.89	1P	6.00	97.08	0.75	0.0604	0.0453	0.1058	28.5	0.0453	0.1058	28.5	28.5
01F	IDM 900x600 SEP SD435	387332.98	5920261.35	476.40	2P	6.00	97.08	0.50	0.1210	0.0605			0.0605			
					1P	6.00	97.08	0.75	0.0289	0.0217	0.0951	25.6	0.0217	0.0951	25.6	25.6
					2P	6.00	97.08	0.50	0.1467	0.0734			0.0734			
01G	IDM 900x600 GJP+JP SD480	387330.15	5920274.88	476.59	1P	6.00	97.08	0.75	0.0932	0.0699	0.0699	18.8	0.0699	0.0699	18.8	18.8
01H	IDM 900x600 SEP SD431	387317.42	5920316.11	477.51	1P	6.00	97.08	0.75	0.1933	0.1450	0.3799	102.4	0.1450	0.3799	102.4	102.4
					2P	6.00	97.08	0.50	0.4698	0.2349			0.2349			
02A	IDM 900x600 GJP SD420	387358.51	5920213.10	475.99	1P	6.00	97.08	0.75	0.0244	0.0183	0.1097	29.6	0.0183	0.1097	29.6	29.6
					2P	6.00	97.08	0.50	0.1827	0.0914			0.0914			

B FOR TENDER REVISION	JM SR Njb AR 16/02/24
A AS SUBMITTED TO COUNCIL	JM SR Njb AR 01/06/23
REV	DES DWG CHK AUTH DATE

HEAD OFFICE: 57 MYERS STREET BENDIGO PH 03 5445 8700
 ABN 11 103 336 358 WWW.TOMKINSON.COM

SCALE H 1:1,000 V 1:100

LENGTHS ARE IN METRES - PAPER SIZE A3

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STREETSCAPE DESIGN STAGE 1
MAIN STREET, STRATHBOGIE
DRAINAGE HYDRAULIC & HYDROLOGY CALCS
 STRATHBOGIE SHIRE COUNCIL

DWG STATUS: **FOR TENDER** PROJECT & DWG No: 500960SRD19/ 19 REV: B

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