STAGE 1

FUNCTIONAL LAYOUT PLAN

MAIN STREET - STRATHBOGIE



GENERAL NOTES

PRIOR TO THE COMMENCEMENT OF WORKS

- THE CONTRACTOR MUST NOTIFY THE RELEVANT AUTHORITY 7 DAYS PRIOR TO
- THE CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS FROM THE MUNICIPALITY & VICROADS FOR ANY WORKS UNDERTAKEN WITHIN AN EXISTING ROAD RESERVE PRIOR TO THE COMMENCEMENT OF WORKS.
- THE CONTRACTOR SHALL TAKE PHOTOGRAPHS AND PROVIDE A WRITTEN REPORT DETAILING THE CONDITION REGARDING ALL EXISTING INFRASTRUCTURE WHICH THEY ARE INTERFACING WITH, OR OTHERWISE HAVING AN IMPACT ON.
- PRIOR TO COMMENCING WORKS THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SERVICES BY SITE SURVEY (INSPECTION AND CONSULTATION WITH ALL RELEVANT SERVICING AUTHORITIES). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING SERVICES, WHETHER SHOWN OR
- THE CONTRACTOR MUST CONTACT DIAL BEFORE YOU DIG (CALL 1100), OR VISIT THE DIAL BEFORE YOU DIG WEBSITE PRIOR TO COMMENCING WORKS AND SATISFY THEMSELVES THAT THERE ARE NO SERVICES WITHIN THE VICINITY OF
- NO WORK IS TO COMMENCE REFORE THE CONTRACTOR HAS ASCERTAINED WHAT UNDERGROUND SERVICES ARE PRESENT & LOCATED THE SERVICES.
- CONTRACTOR MUST FOLLOW THE "NO GO ZONE" SAFETY PROCEDURES AT ALL TIMES, WHICH ARE AVAILABLE FROM ALL UTILITY AND TELECOMMUNICATIONS COMPANIES, INCLUDING THE OFFICE OF THE CHIEF ELECTRICAL INSPECTOR, THE OFFICE OF GAS SAFETY AND WORKSAFE VICTORIA.
- IF THESE SAFETY PROCEDURES CANNOT BE COMPLIED WITH THEN NO WORK IS TO BE UNDERTAKEN WITHOUT PERMISSION FROM THE UTILITY COMPANY
- THE CONTRACTOR MUST PREPARE A PROJECT MANAGEMENT PLAN (OTHERWISE CALLED A CONSTRUCTION OR SITE MANAGEMENT PLAN) AND HAVE IT APPROVED BY **BOTH** COUNCIL & THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF ANY WORKS. THIS PROJECT MANAGEMENT PLAN IS TO INCORPORATE THE FOLLOWING AT A MINIMUM AND IN ACCORDANCE WITH ANY LEGISLATION REQUIREMENTS:
- OCCUPATIONAL HEALTH & SAFETY PROCEDURES

- QUALITY ASSURANCE DETAILS (FOR QA CERTIFIED CONTRACTORS)
- CULTURAL HERITAGE CONSIDERATION

- 10. ALL LEVELS ARE TO A.H.D. AND ARE REFERENCED TO THE T.B.M. INDICATED.
- COORDINATION OF THIS DESIGN USES MGA2020, CORRECT AS OF THE DATE OF COORDINATION OF THIS DESIGN SESS WIGHZEAU CORNECT AS OF THE DATE OF THE THE OF THE SENSE OF THE
- NO TBM CAN BE USED WITHOUT FIRST PROVING IT TO BE CORRECT TO A SECOND TBM. NO HORIZONTAL SETOUT CONTROL CAN BE USED WITHOUT FIRST PROVING IT TO BE CORRECT TO A THIRD KNOWN POINT. THE CONSULTING SURVEYOR IS TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY. TITLE PEGS AND TIRM I'S TO BE RE-ESTABLISHED BY A LICENSED SURVEYOR IF FOUND TO BE MISSING
- IF USING GNSS \ GPS TO SETOUT FOR CONSTRUCTION PLEASE NOTE
- GNSS HAS REDUCED VERTICAL PRECISION COMPARED TO TRADITIONAL
- ONLY USE A SINGLE POINT CALIBRATION FOR THE VERTICAL THEN TEST TO AT LEAST 1 OTHER STATED TBM BEFORE PROCEEDING
- IF YOU HAVE ANY QUERIES OR CONCERNS CONTACT THE CONSULTING

SITE MANAGEMENT DURING CONSTRUCTION

- THE SUPERINTENDENT IS RESPONSIBLE FOR THE DESIGN AND MANAGEMENT OF THE CONSTRUCTION WORKS. ANY PROBLEMS ARISING DURING CONSTRUCTION SHALL BE DIRECTED TO THE SUPERINTENDENT.
- ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ALL WORKS SHALL BE CONSTRUCTED IN ALCOURANCE WITH THE INFRASTRUCTURE DESIGN MANUAL AND ANY OTHER RELEVANT AUTHORITY SPECIFICATIONS. A COPY OF THE INFRASTRUCTURE DESIGN MANUAL CAN BE FOUND AT www.designmanual.com.au IF YOU HAVE ANY ISSUES INTERPRETING THE MANUAL CONTACT THE MUNICIPAL ENGINEERING DEPARTMENT.
- ALL WORKS MUST ABIDE BY THE APPROVED CONSTRUCTION MANAGEMENT PLAN ALD WORKS WOST INDICEST THE RECOMMENDATIONS OF THE ENVIRONMENT AND MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL INDICEST
- 17. BEFORE COMMENCING ANY EXCAVATION WORKS OF 1.5m DEPTH OR GREATER.

- THE CONTRACTOR IS REQUIRED TO SUBMIT THE REQUIRED NOTIFICATION TO WORKSAFE VICTORIA. THE NOTIFICATION MUST BE RECEIVED BY THE AUTHORITY AT LEAST 3 DAYS PRIOR TO COMMENCING EXCAVATIONS, A COPY OF THE NOTIFICATION IS TO BE PROVIDED TO THE SUPERINTENDENT. THE CONTRACTOR SHALL COMPLY WITH THE MINES ACT, OCCUPATIONAL HEATH AND SAFETY ACT, WORKSAFE VICTORIA REQUIREMENTS INCLUDING COMPLIANCE CODES
 - TWENTY-FOUR (24) HOURS NOTIFICATION TO INSPECTORS OF RELEVANT AUTHORITY IS REQUIRED PRIOR TO AN INSPECTION BEING CONDUCTED ON ANY PARTICULAR PORTION OF THE WORKS
 - THE CONTRACTOR SHALL TAKE THE UTMOST CARE TO PRESERVE EXISTING TREES. NO TREES SHALL BE REMOVED WITHOUT THE PRIOR APPROVAL OF THE SUPERINTENDENT
 - THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO THE ALLOTMENTS MUST BE MADE GOOD
 - THE CONTRACTOR SHALL TO THE SATISFACTION OF THE SUPERINTENDENT AND COUNCIL'S SUPERVISING OFFICER PROVIDE AND MAINTAIN ALL NECESSARY WARNING SIGNAGE, LIGHTING AND BARRICADING TO COMPLY WITH THE REQUIREMENTS OF THE ROAD MANAGEMENT ACT.
- 22. DISPOSAL OF EXCESS SPOIL TRUCK ROUTE AND DISPOSAL LOCATION ARE TO BE PPROVED BY THE MUNICIPAL ENGINEERING DEPARTMENT
- AT THE COMPLETION OF WORKS ALL RUBBISH, DEBRIS AND SURPLUS SPOIL IS TO BE REMOVED AND ALL LOTS AND ROAD RESERVE TO BE LEFT IN A TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT & RELEVANT

PROTECTION OF VEGETATION

- NO WORKS ARE TO BE LINDERTAKEN WITHIN THE DRIP ZONE (CANOPY) OF AN EXISTING TREE UNLESS APPROVED BY THE RESPONSIBLE AUTHORITY
- MACHINERY IS NOT TO BE DRIVEN OVER OR PARKED WITHIN THE DRIP ZONE OF

- ALL FARTHWORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH AS 3798 (2007) GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL
- ALL FILLING WITHIN AREAS OF PROPOSED ROAD PAVEMENT IS TO ACHIEVE A MINIMUM COMPACTION OF 98% STANDARD

28. ALL FILLING WITHIN OTHER AREAS IS TO ACHIEVE A MINIMUM COMPACTION OF

LOCALITY PLAN & GENERAL NOTES

SIGNAGE & LINEMARKING PLAN

EAST FP NTH-STH LONG SECTIONS

EAST FP NTH-STH CROSS SECTIONS

CFA, SHOP & SCHOOL FP LONG SECTIONS

MAIN STREET EAST KERB CROSS SECTIONS

MAIN STREET MEDIAN STH LONG SECTION

MAIN STREET MEDIAN NTH LONG SECTION

DRAINAGE LONG SECTIONS & PIT SCHEDULE

DRAINAGE HYDRAULIC & HYDROLOGY CALCS

NETWORK CATCHMENTS & 1% AEP FLOWPATHS

DETAIL PLAN **CUT & FILL DEPTH RANGES**

PAVEMENT DETAILS

EXISTING CONDITIONS & SURVEY STATIONS \ TBMS

TOWNHALL & NEW EAST FP LONG & CROSS SECTION

MAIN STREET EAST KERB LONG SECTION (2 SHEETS)

ARMSTRONG RD KERB NTH & STH LONG SECTIONS

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- ANY FILLING IN EXCESS OF 300mm DEPTH IS TO BE CARRIED OUT UNDER LEVEL 1 SUPERVISION UNLESS DIRECTED OTHERWISE. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL & FILLED USING APPROVED CLAY FILL. TOPSOIL IS TO BE REPLACED NO MORE THAN 150mm THICK TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS, ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED AS DETAILED ABOVE IN ACCORDANCE WITH AS3798-2007 ("GLIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS"), ON EART INVOKAS FOR COMMERCIAL MUD ASSIDER IN LEVELOF WHITE 3. FUN COMPLETION THE CONTRACTOR SHALL PRESENT A "LEVEL 1" TYPED REPORT NOMINATING THE EXTENT OF FILL PLACED, IT'S CONFORMANCE WITH THE SPECIFICATION AND ITS CLASSIFICATION AS "CONTROLLED FILL". IF ANY SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE IT MUST BE REMOVED AND REPLACED WITH VERIFICATION PROVIDED TO THE SUPERVISING ENGINEER. A GEO-TECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED.
- THE SUPERINTENDENT IS TO BE ADVISED OF ANY FILLING THAT ACHIEVES A
- MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION NO. 448 (MAY 2007) AND SUBSEQUEN REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERVISING ENGINEER.
- ALL TRENCHES ARE TO ACHIEVE THE SPECIFIED COMPACTION RESULTS WITHOUT EXCEPTION. THE SUPERINTENDENT RESERVES THE RIGHT TO REQUIRE COMPACTION TESTING BY A NATA APPROVED LABORATORY AT THE CONTRACTORS EXPENSE
- 33. ALL EXCAVATIONS OF DEPTH 1.5m OR GREATER MUST COMPLY WITH LEGISLATION ENFORCED BY WORKSAFE VICTORIA. A "NOTICE OF INTENTION TO COMMENCE EXCAVATION" MUST BE SUBMITTED TO YOUR LOCAL WORKSAFE
- ALL LOTS ARE TO ACHIEVE A MINIMUM CROSS FALL OF 1 IN 150 (0.67%) TO A LEGAL POINT OF DISCHARGE (DRAINAGE POINT OR ROAD RESERVE) UNLESS
- 35 RESERVES TO BE ERRE DRAINING AND TO BE LEFT IN A CONDITION

ROAD WORKS AND FOOTPATHS

36. ALL KERB & CHANNEL IS MODIFIED SM2 (IDM SD 100) UNLESS STATED

LEGEND

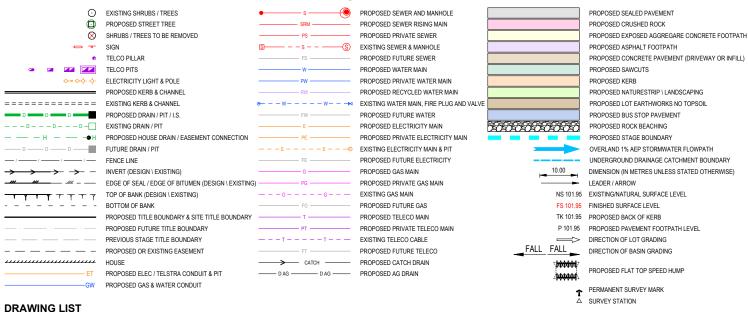


TABLE OF OFFSETS FOR SERVICES

STREET	GA	S	DW	TELO	00	OH ELEC		вок			
MAIN STREET	-	-	4m	Е	3-4m	Е	2.3m-4.8m	Е	VARIES-E / VARIES-W		
ARMSTRONG AVENUE	-	-	3.6m-6m	N	-	-	-	-	-		



37. ALL ASPHALT ROAD SEALS ARE TO BE 7mm TYPE 'N' UNLESS STATED OTHERWISE

- ALL KERB RADII ARE TO BACK OF KERB UNLESS STATED OTHERWISE
- MANUAL (IDM) 200 SERIES STANDARD DRAWINGS AND IN ACCORDANCE WITH COUNCIL STANDARDS UNLESS STATED OTHERWISE.
- 40. TGSIs ARE TO BE INSTALLED ON ALL PEDESTRIAN CROSSINGS AS PER AS 1428.4.
- ALL NEW INTERSECTIONS ARE TO HAVE STREET SIGNS INSTALLED TO COUNCI L NEW INTERSECTIONS ARE TO HAVE STREET SIGNS INSTALLED TO CANDARDS IRRESPECTIVE OF WHETHER THEY ARE DETAILED ON THE GINEERING PLANS OR NOT.
- 42. AT ALL TEMPORARY STAGE BOUNDARY TERMINATIONS TO ROADS THE CONTRACTOR IS TO INSTALL A D4-5 HAZARD SIGN
- 43 ALL CONCRETE IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25MPa AT 28
- 45. ROAD PAVEMENT COMPACTION & TESTING REQUIREMENTS ARE AS PER THE INFRASTRUCTURE DESIGN MANUAL

STORMWATER DRAINAGE AND SERVICE CONDUIT NOTES

- ALL EASEMENT DRAINAGE PIPES ARE 1.0m OFFSET TITLE BOUNDARY UNLESS
- 47. ALL EASEMENT DRAINAGE PITS ARE TO BE ARE 1.0m PAST TITLE BOUNDARY UNLESS DIMENSIONED OTHERWISE.
- ALL PROPERTY DRAINAGE CONNECTIONS FROM ROAD RESERVES ARE TO ENTER THE PROPERTY 1.0m O/S SIDE BOUNDARY ON THE LOW SIDE WITH 0.5m COVER
- CHANNEL AND FOOTPATH SHALL BE BACKFILLED IN ACCORDANCE WITH THE IDM UNLESS STATED OTHERWISE
- 49. REFER TO THE CERTIFIED PLAN OF SUBDIVISION FOR ALL EASEMENT WIDTHS, DO
- 50. STORMWATER DRAINS SHALL BE RCP FLUSH JOINTED CLASS 2 OR PVC CLASS
- 51. ALL RCP FLUSH JOINTED PIPES BELOW 600mm DIA ARE TO HAVE EXTERIOR

WARNING

DEWARE UP UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND
SERVICES ARE APPROXIMATE ONLY AND
HEIR EXACT POSITION SHOULD BE PROVE
ON SITE. NO GUARANTEE IS GIVEN THAT
ALL EXISTING SERVICES ARE SHOWN.

MORTARED JOINTS. ALL PIPES 600 DIA AND GREATER ARE TO HAVE INTERIOR

- ALL PROPOSED DRAINAGE STUBS TO BE BLANKED OFF AT END OF PIPE WITH TIMBER PLANKS TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
- 53. ALL CONDUIT LOCATIONS ARE TO BE STAMPED IN THE CONCRETE KERBING
- 54. ALL CONCRETE IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25MPa AT 28
- DRAINAGE AND DIRECTED TO LEGAL POINT OF DISCHARGE
- 57. STEP IRONS ARE NOT TO BE INSTALLED IN ANY DRAINAGE PIT, ACCESS LIDS ARE TO BE LOCATED TO ENABLE REASONABLE ACCESS.
- HOUSE DRAIN CONNECTIONS TO REINFORCED CONCRETE PIPES ARE TO UTILISE "CONCONECT" OR COUNCIL APPROVED EQUIVALENT PRODUCTS TO AVOID PIPE PROTRUSIONS INTO THE LARGER PIPE.
- 59. REFER ROAD LAYOUT PLANS FOR WATER & GAS ROAD SERVICE CONDUIT LOCATIONS. INTERSECTION DETAILS PLANS DO NOT SHOW CONDUITS.
- 60. ELECTRICITY & TELECOMMUNICATIONS CONDUITS SHOWN ON THESE PLANS ARE CONCEPTUAL ONLY. REFER TO ELECTRICITY & TELECOMMUNICATION PLANS FOR ACTUAL ROAD SERVICE CONDUIT LOCATIONS. IF THERE ARE ANY DISCREPANCIES BETWEEN THESE PLANS CONTACT SUPERINTENDENT FOR

CONSTRUCTION HOLD POINTS

61 CONSTRUCTION HOLD POINTS ARE TO BE IN ACCORDANCE WITH THE NFRASTRUCTURE DESIGN MAN

62. THE PROJECT AREA CONTAINS THE FOLLOWING SERVICES FOR ASSISTANCE IN

SERVICE	AUTHORITY	& CONTACT	TELEPHONE
DRAINAGE	CITY OF GRE	EATER BENDIGO	5434 6000
ELECTRICITY	<pre>/ POWERCOR</pre>		132 412
GAS	SP AUSNET		136 707
COMMUNICA	TIONS TELSTRA		132 203
SEWER & WA	ATER COLIBAN WA	ATER	1300 363 200

63. IN ANY EMERGENCY IF YOU BELIEVE LIFE OR PROPERTY IS THREATENED DO NOT HESITATE TO CONTACT STATE EMERGENCY SERVICES ON TELEPHONE 000





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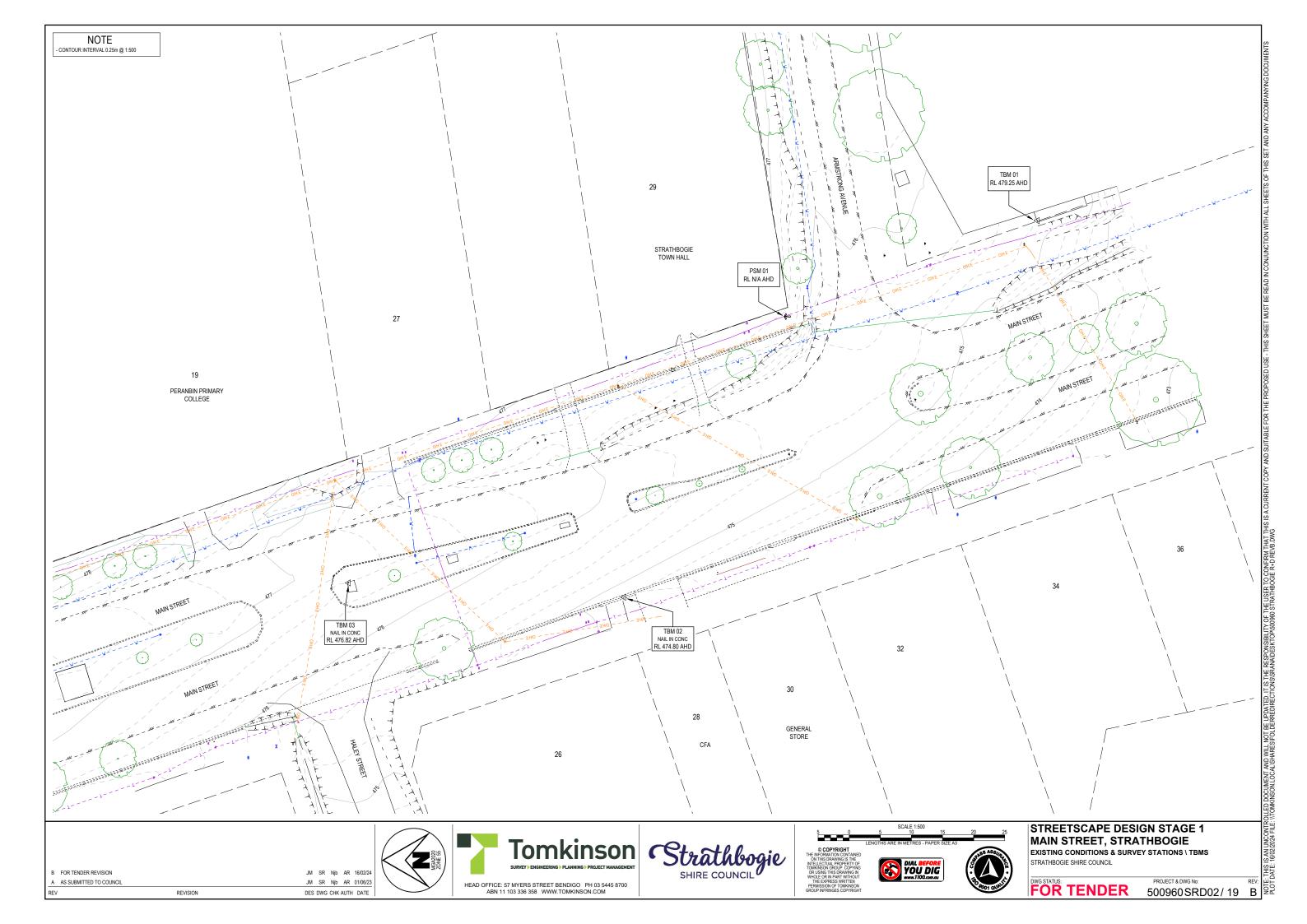
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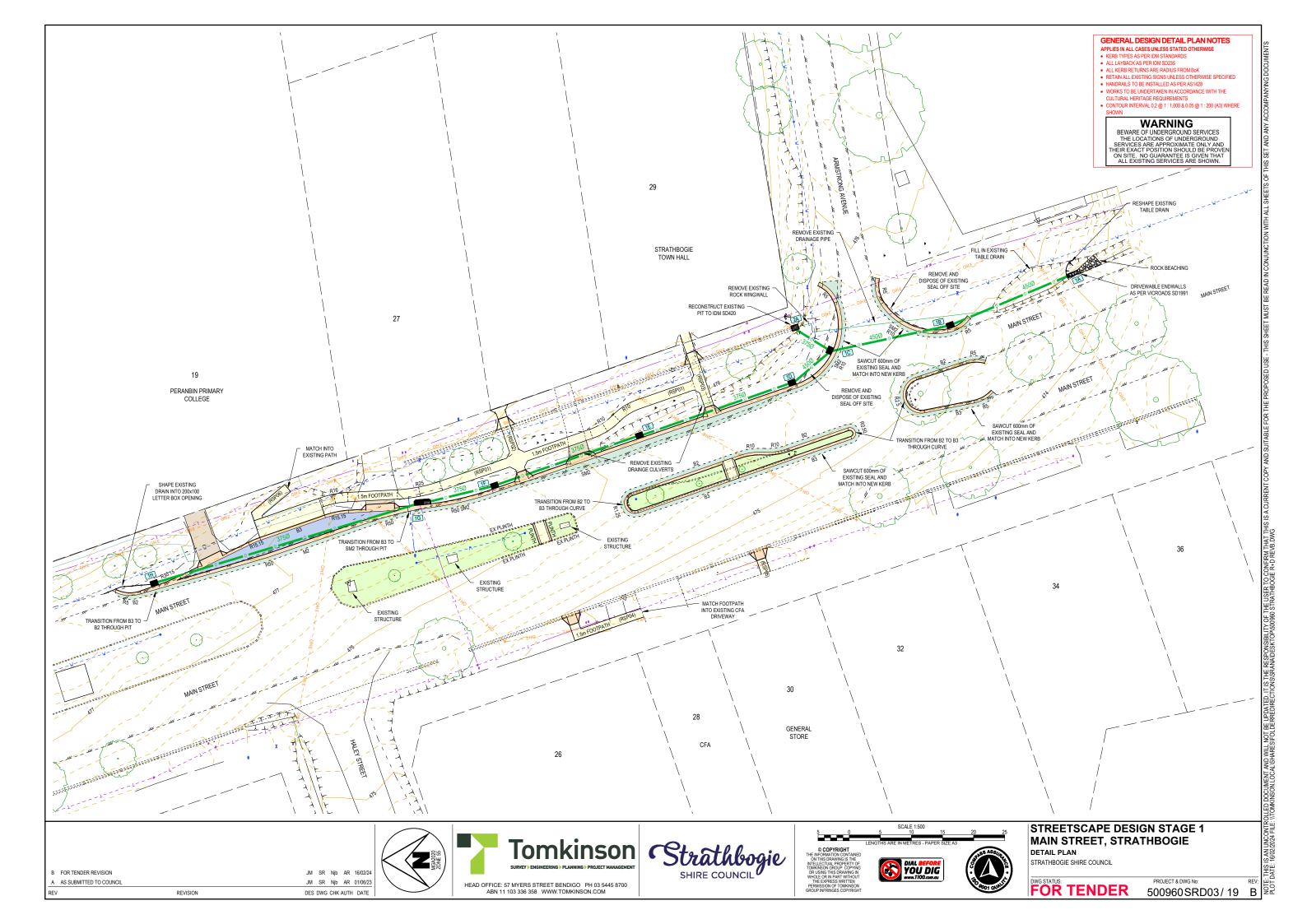
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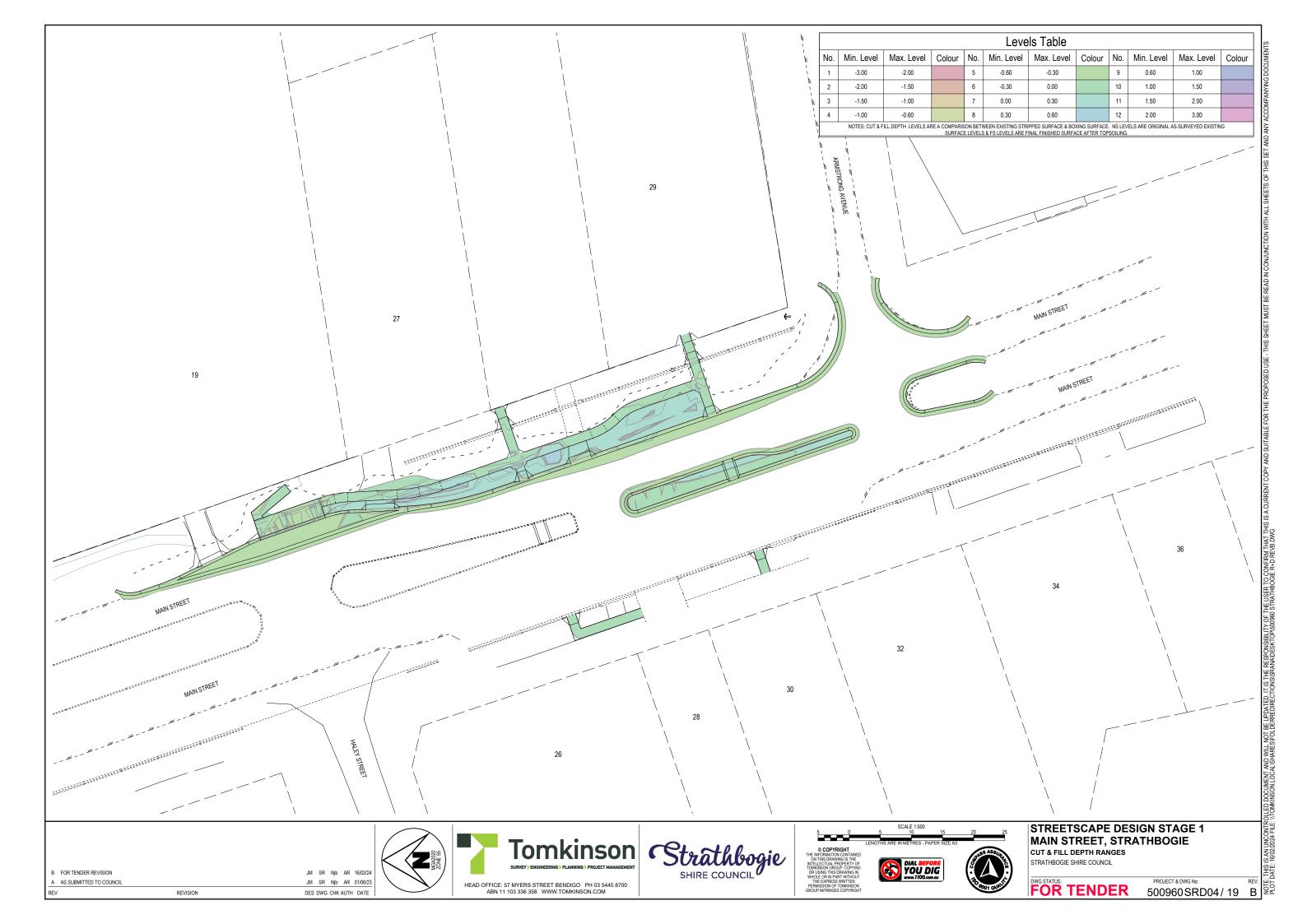
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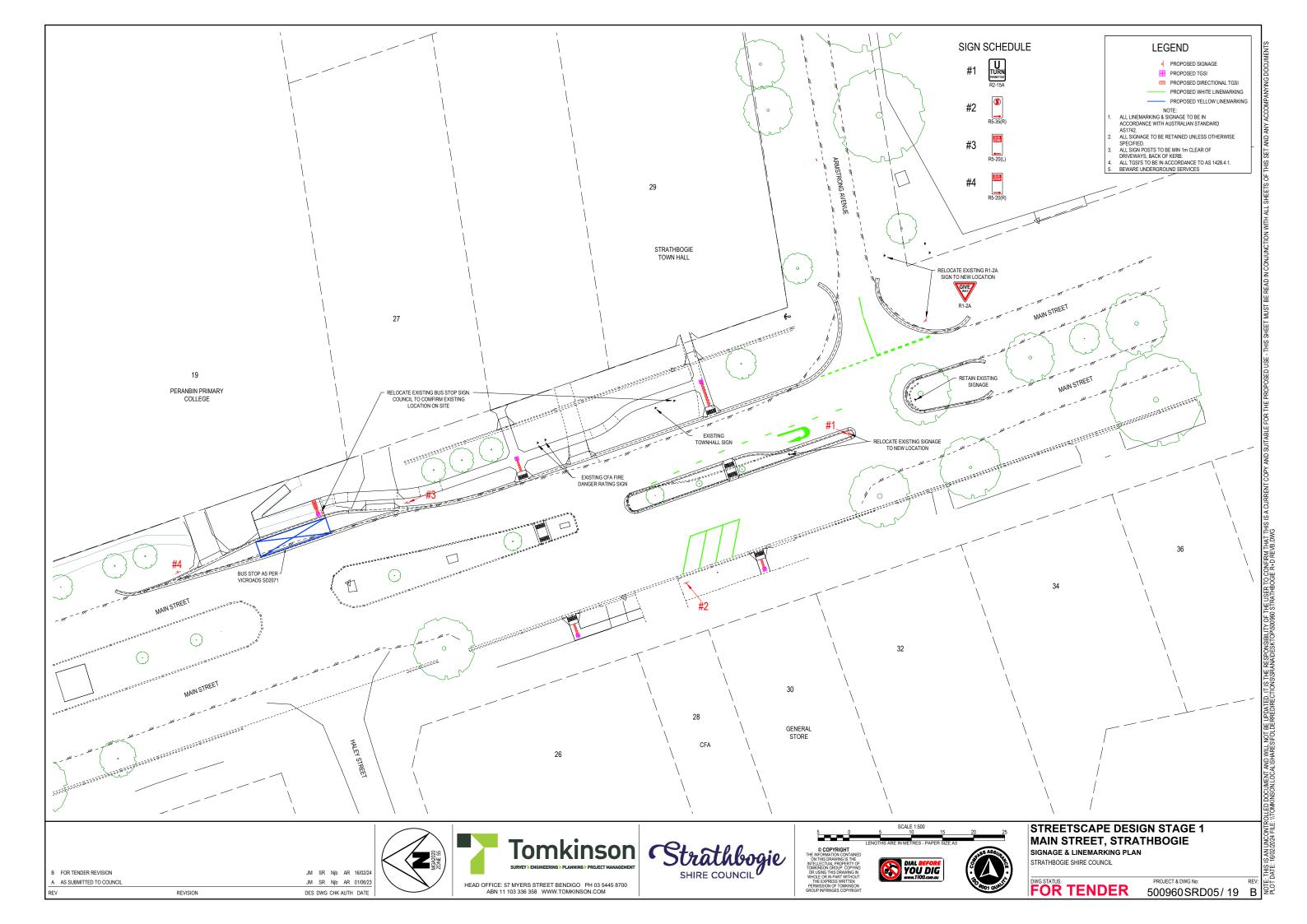
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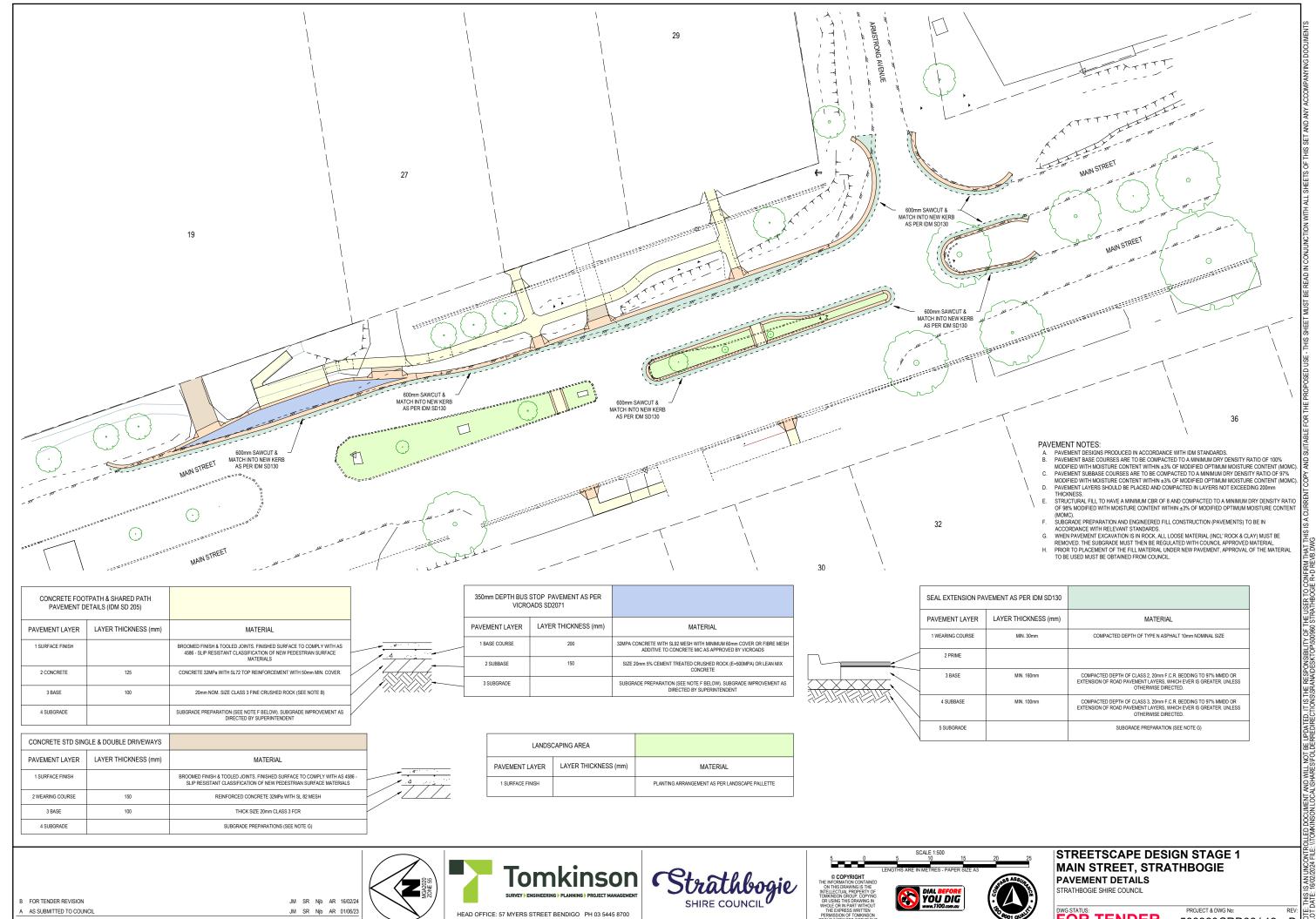
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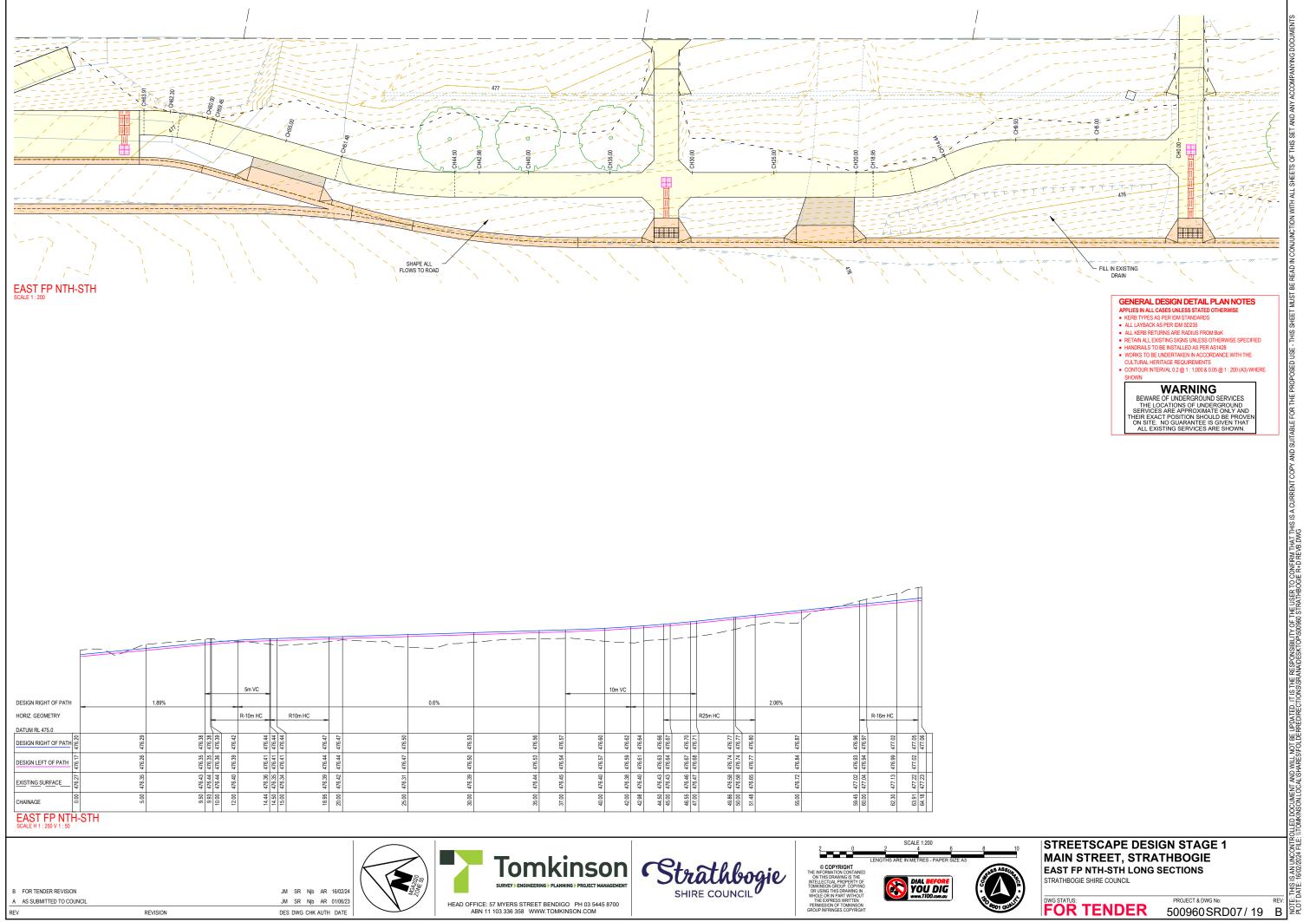
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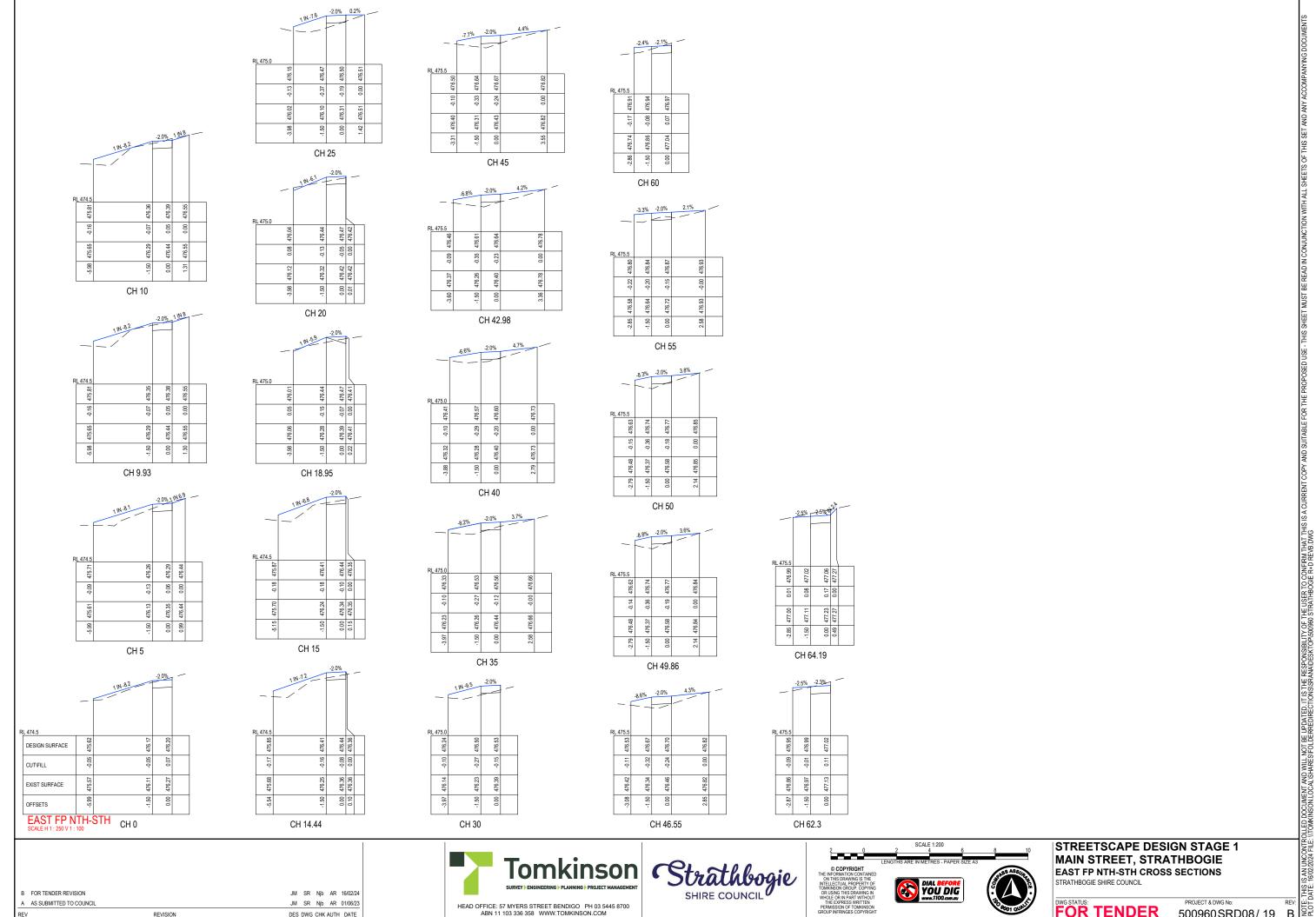






MAIN STREET, STRATHBOGIE EAST FP NTH-STH LONG SECTIONS STRATHBOGIE SHIRE COUNCIL

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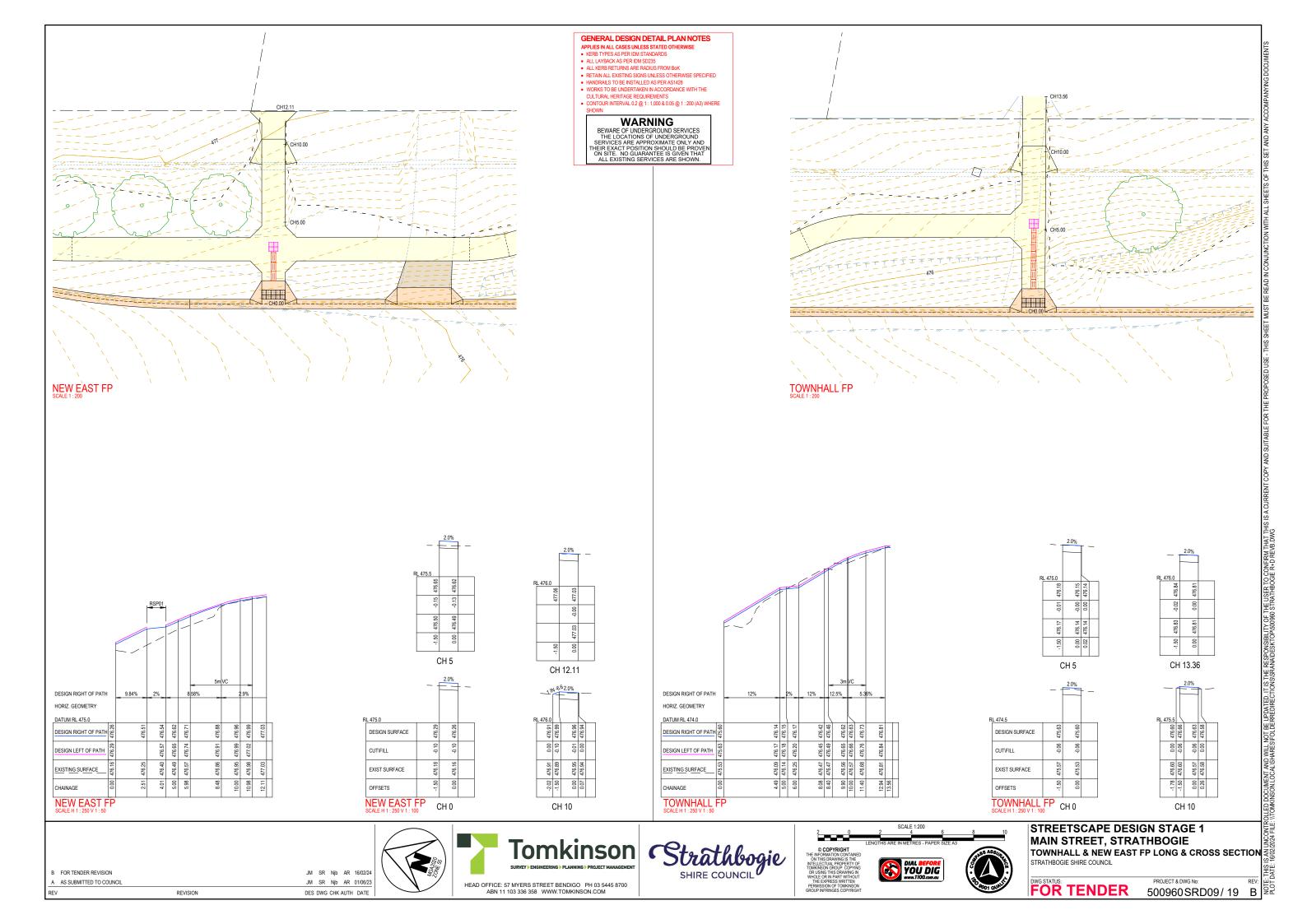
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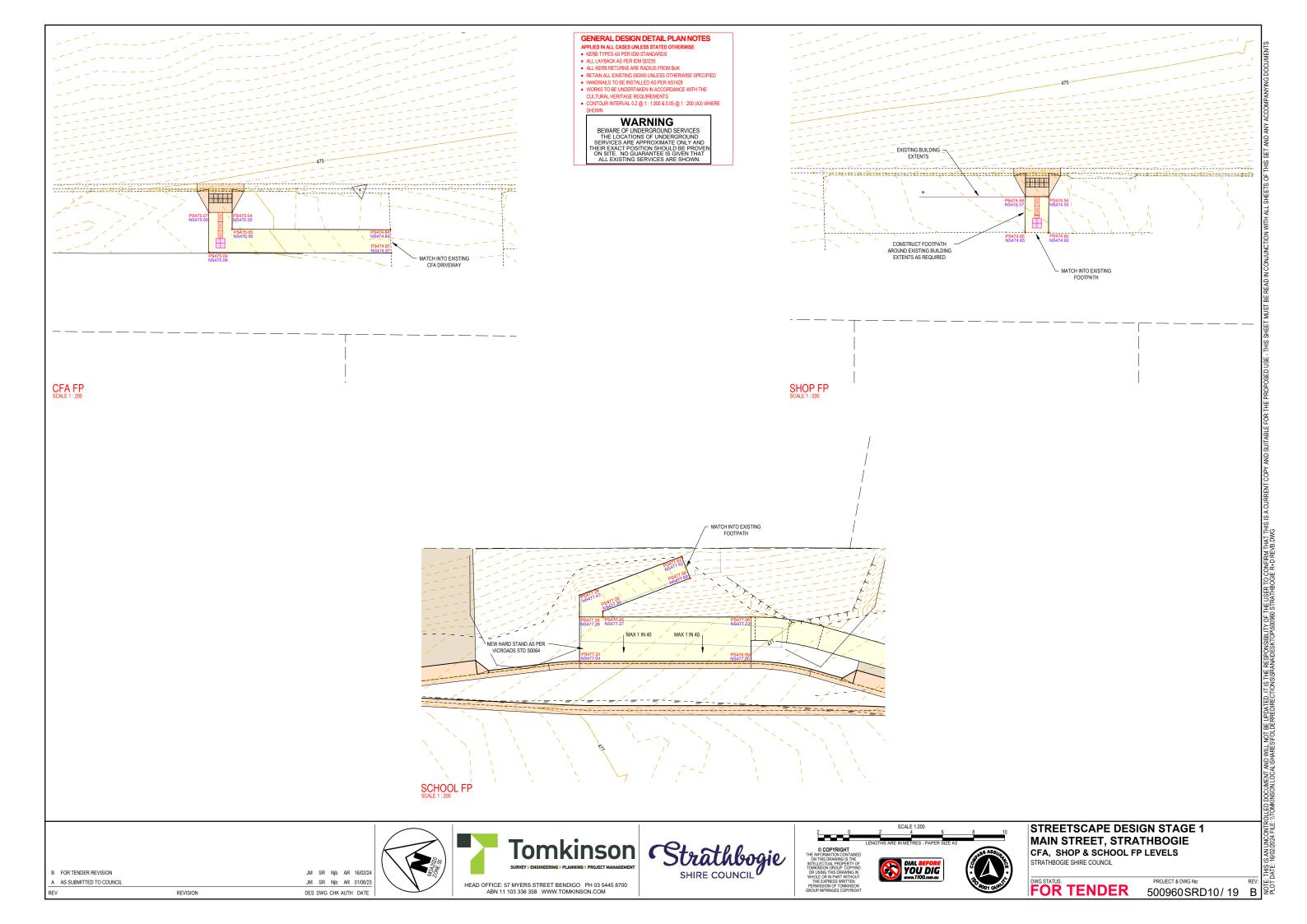
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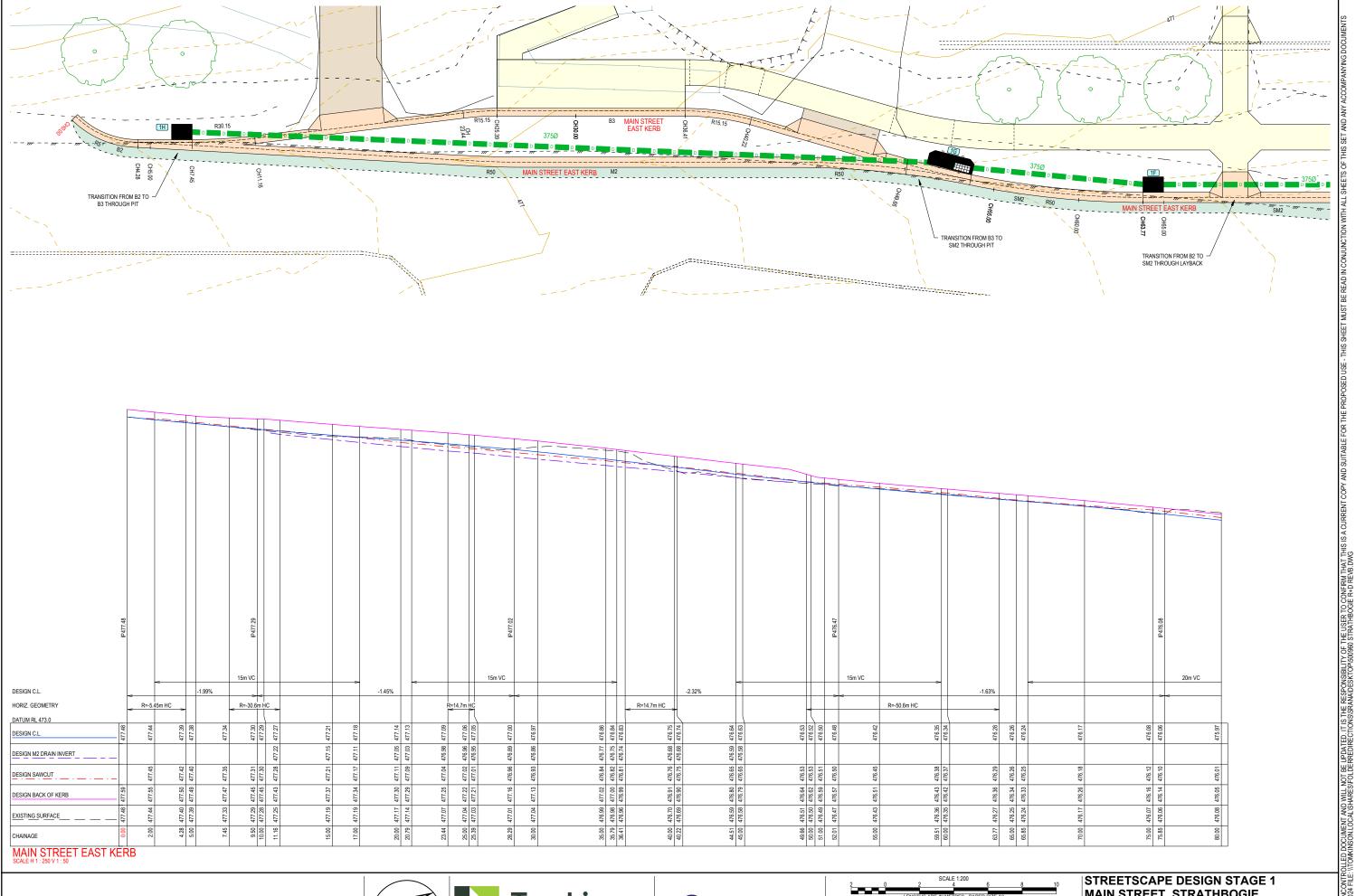
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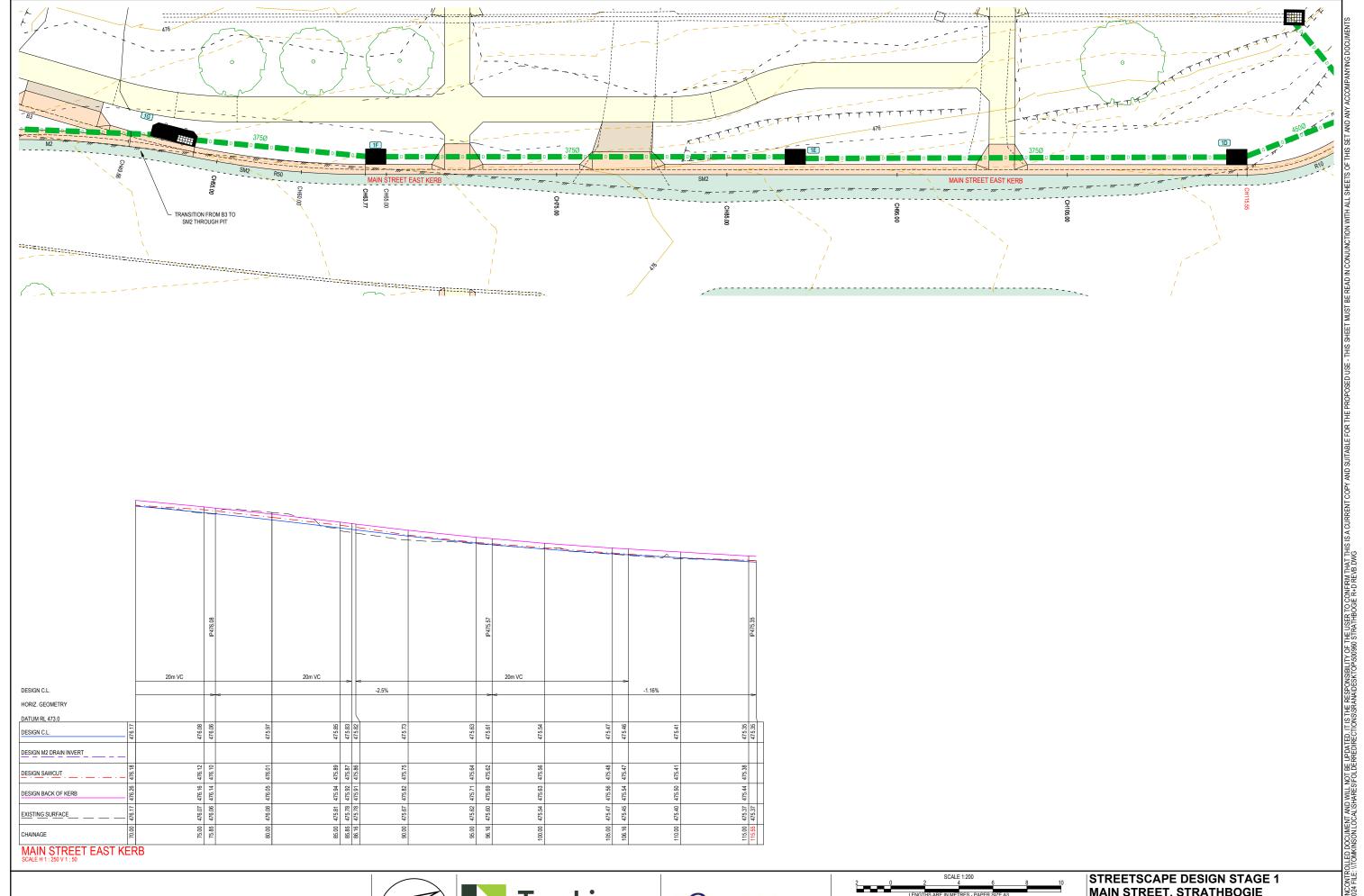




MAIN STREET, STRATHBOGIE MAIN STREET EAST KERB LONG SECTION (1 OF 2) STRATHBOGIE SHIRE COUNCIL

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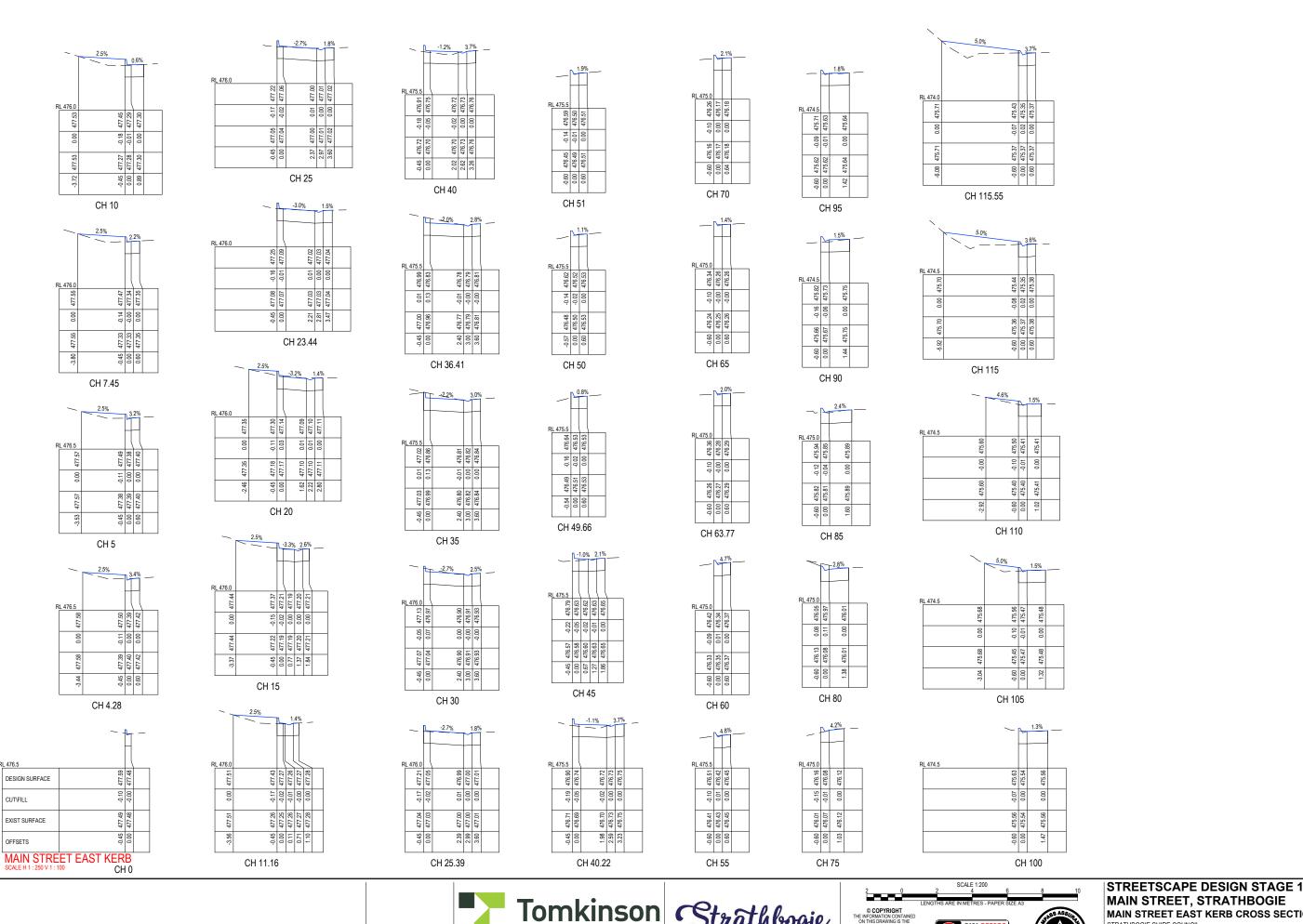
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SHIRE COUNCIL



MAIN STREET, STRATHBOGIE MAIN STREET EAST KERB LONG SECTION (2 OF 2) STRATHBOGIE SHIRE COUNCIL

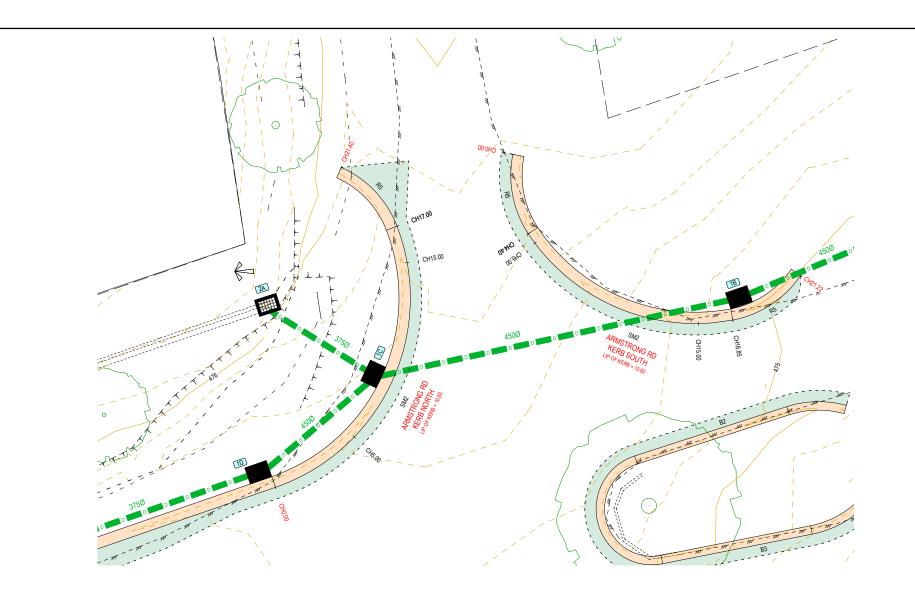
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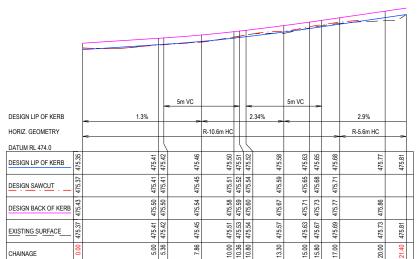
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DESIGN LIP OF KERB -3.5% -0.58% -4.39% HORIZ. GEOMETRY R-5.6m HC R-10.6m HC DATUM RL 473.0 475.14 475.60 475.60 475.57 475.00 474.99 474.99 DESIGN LIP OF KERB DESIGN SAWCUT 475.22 475.69 475.68 475.66 475.08 DESIGN BACK OF KERB 475.14 474.99 EXISTING SURFACE 15.00 4.24 4.40 5.00 ARMSTRONG RD KERB STH

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

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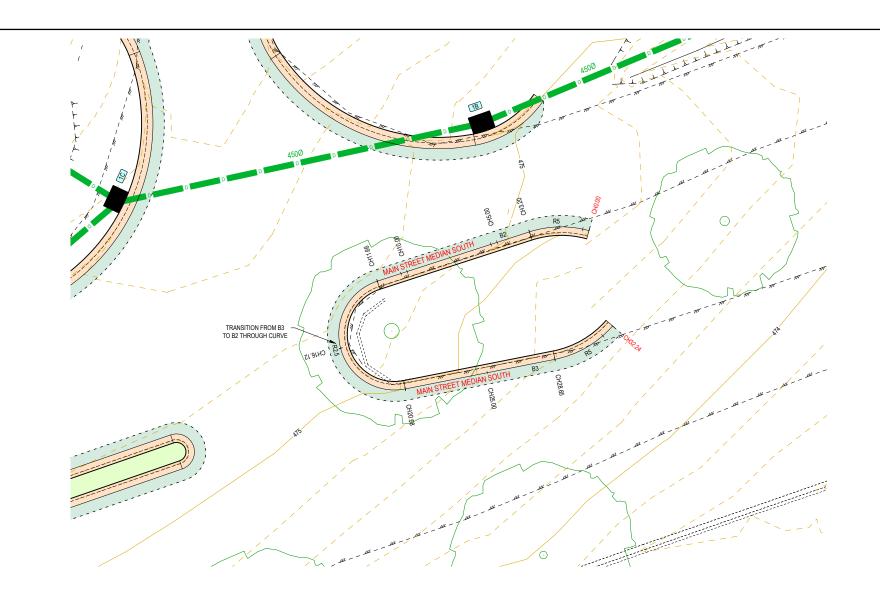


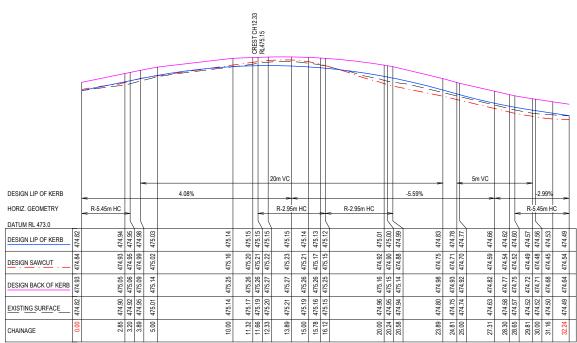
STREETSCAPE DESIGN STAGE 1 MAIN STREET, STRATHBOGIE ARMSTRONG RD KERB NTH & STH LONG SECTIONS

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

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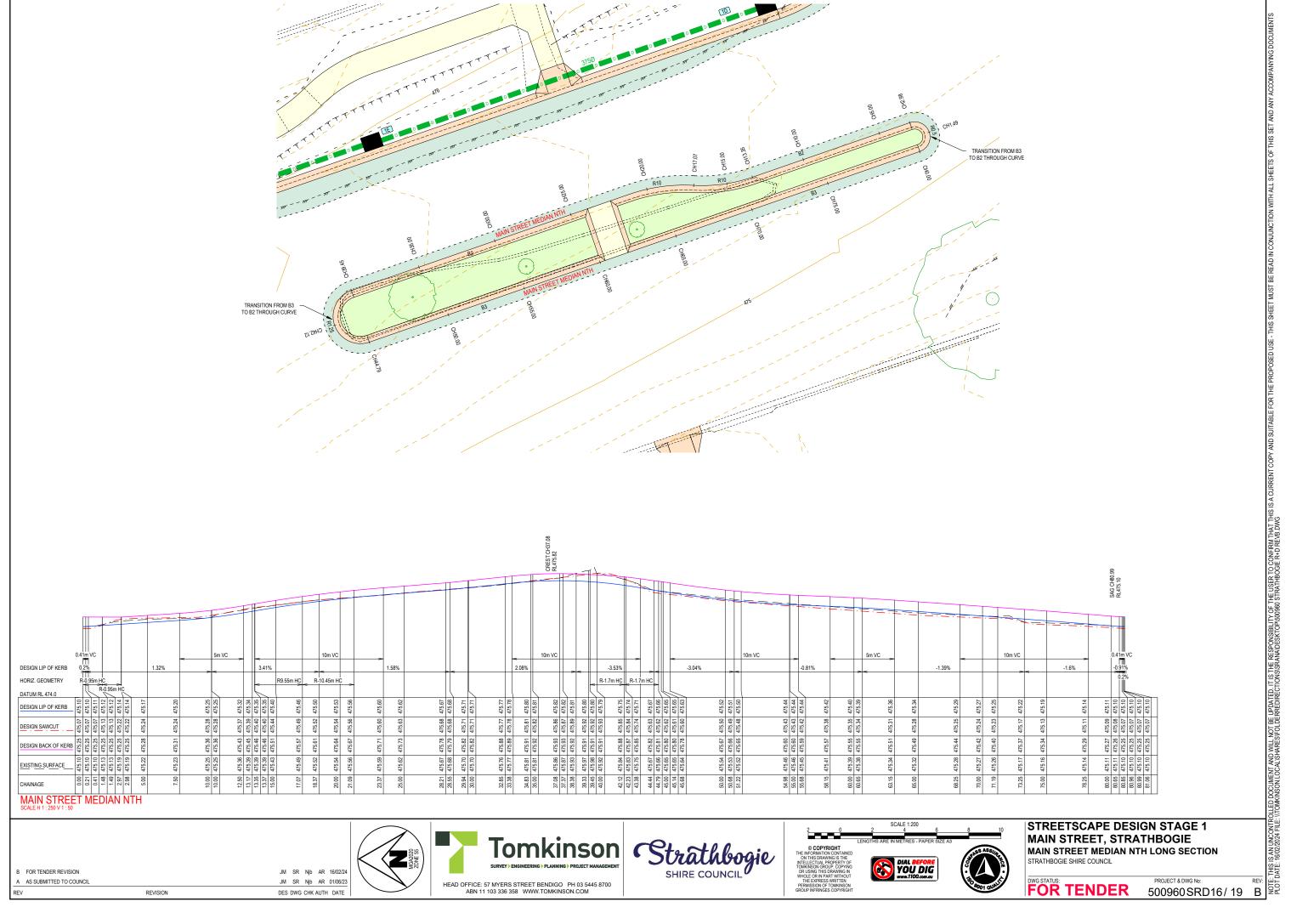


STREETSCAPE DESIGN STAGE 1 MAIN STREET, STRATHBOGIE MAIN STREET MEDIAN STH LONG SECTION STRATHBOGIE SHIRE COUNCIL

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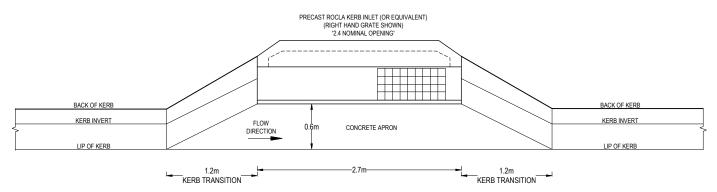




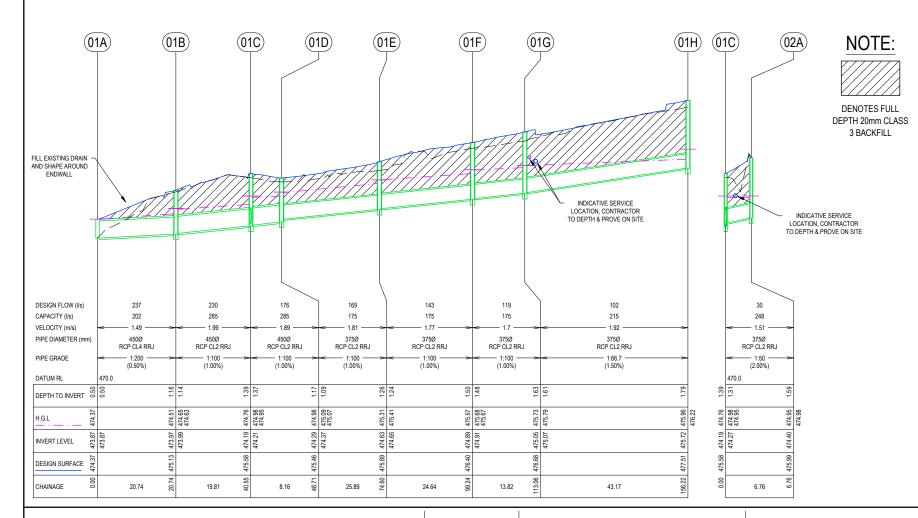


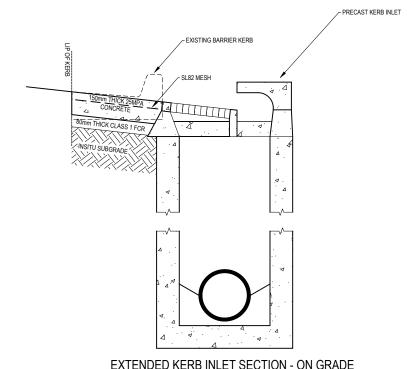
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FOR TENDER



EXTENDED KERB INLET DETAIL - ON GRADE SCALE 1:50





EXTENDED KERB INLET SECTION - ON GRADE

SCALE H 1:1.000 V 1:100 © COPYRIGHT DIAL BEFORE
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STREETSCAPE DESIGN STAGE 1 MAIN STREET, STRATHBOGIE DRAINAGE LONG SECTIONS & PIT SCHEDULE STRATHBOGIE SHIRE COUNCIL

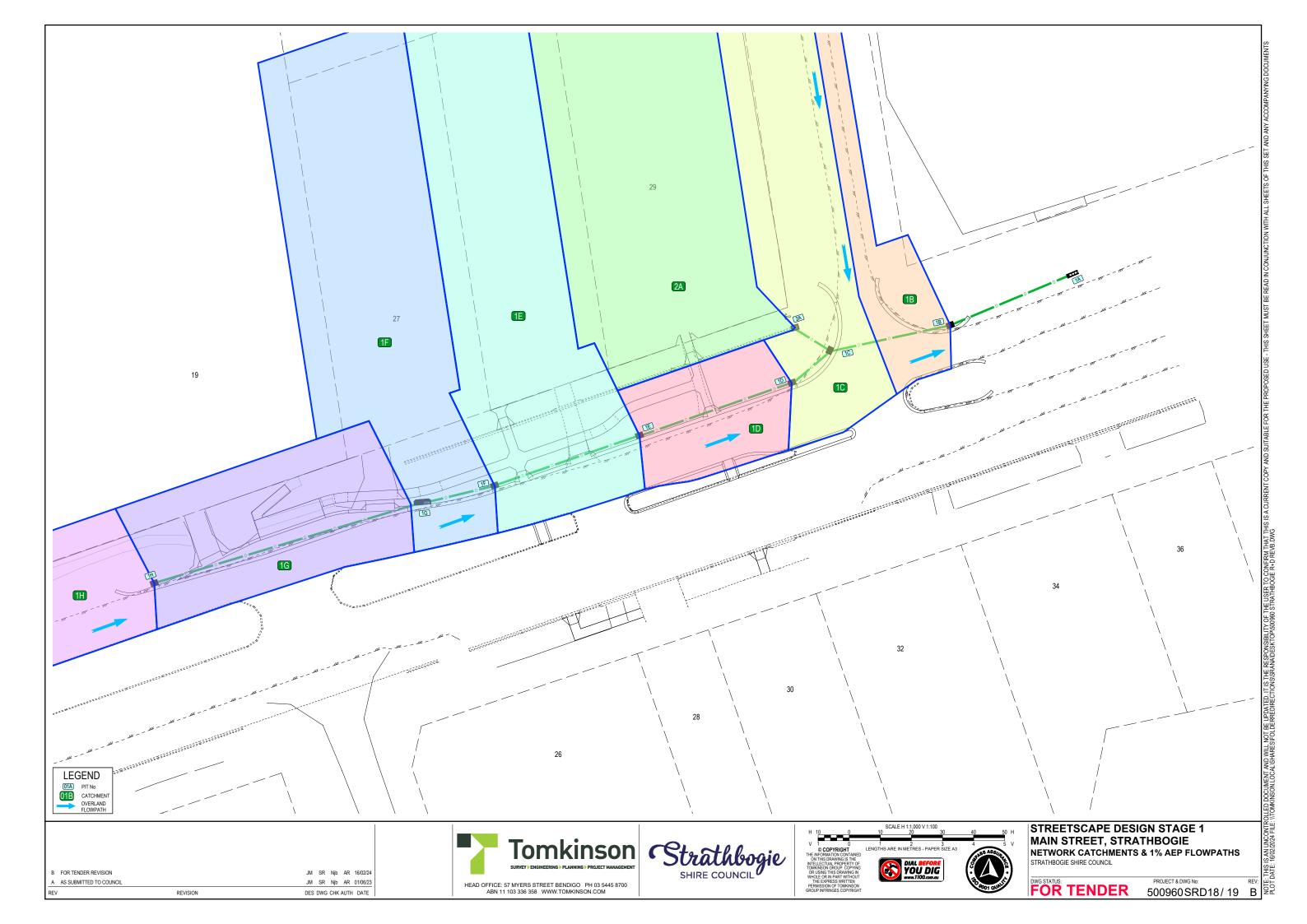
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500960 Design Strathbogie DRNSTR Strathbogie_15052023.12dhydro IFD Table 0.6 m 0.013 0.15 m

Project:
Drainage Model:
Rainfall File:
Rainfall Method:
Pipe Cover Limit:
Manning n Roughr
Freeboard Limit:

Minor 20.00 AEP(%) Storm Event

Pipe	Pipe	Pipe	Pipe	Full Pipe	Pipe	Pipe	Full-area	Full-area	Full-area	Full-area	Part-area			Part-area		Capacit	y Q/Qca	ap Full Pipe		th Crit Depth		US Node	e Pipe	Pipe	DS Node	Cover	Pipe	Pipe	US Nod	e US Nod	Pipe	P'head Los	s WSE Los	s Pipe	US Node	Pipe	Pipe	DS Node	HGL	HGL	F'board
ID	Туре	Length	Size	Area Af	Grade	Grade	Tct	1	Sum CA	Qc=CIA	Tct	1	Sum CA	Qc=CIA	Flow Q	Flow Q	ap Ratio	Vel Vf=Q	/Af Vel Vn=Q	An Vel Vc=Q/	Ac Vcap=Qcap/A	f Grate R	L US IL	DS IL	Grate RL	Min	DS Ber	nd DS Dro	p Ku	Kw	V'head	(Ku.V'head) (Kw.V'hea	ad) Thead Los	HGL	US HGL	DS HGL	HGL	Grade	Grade	US
(-)	(-)	(m)	(mm)	(sq.m)	(%)	(1 in)	(min)	(mm/hr)	(ha)	(L/s)	(min)	(mm/hr)	(ha)	(L/s)	(L/s)	(L/s)	(-)	(m/s)	(m/s)	(m/s)	(m/s)	(m)	(m)	(m)	(m)	(m)	(deg)	(m)	(-)	(-)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(%)	(1 in)	(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	0.60
01D to 01C	RCP CL2 RRJ	8.16	450	0.159	1.00	100.0	6.90	92.67	0.6839	176.0	6.51	94.55	0.6598	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	0.6507	169.4	6.30	95.61	0.6265	166.4	169.4	175.4	0.97	1.53	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	0.5448	143.4	6.09	96.62	0.5207	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	0.4498	118.9	6.00	97.08	0.4256	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

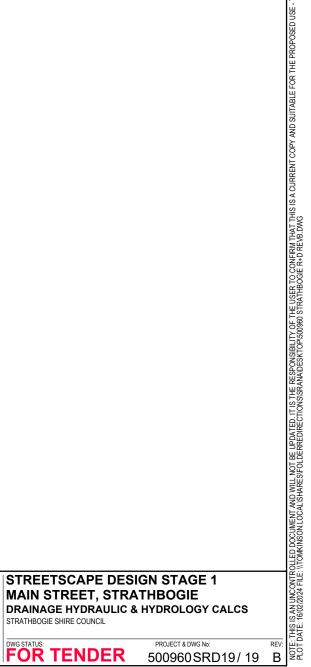
500960 Design Strathbogie DRN/STR Strathbogie_15052023.12dhydro Direct IFD Table Project: Drainage Model: Rainfall File: Tc Method: Rainfall Method: Runoff C Method:

Minor	20.0	O AE	P(%)	Storm	Event	

Node	Node	Setout	Setout	Setout	Catch	Time	Intensity	Runoff	Area	Full	Full	Full	Partial	Partial	Partial	Approach
Name	Туре	Easting	Northing	RL	ID	Tc	I	С	A	CA	Sum CA	Qc=CIA	CA	Sum CA	Qc=CIA	Flow Qa
(-)	(-)	(m)	(m)	(m)	(-)	(min)	(mm/hr)	(-)	(ha)	(ha)	(ha)	(L/s)	(ha)	(ha)	(L/s)	(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
					2P	6.00	97.08	0.50	0.1210	0.0605			0.0605			
01F	IDM 900x600 SEP SD435	387332.98	5920261.35	476.40	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			







JM SR Njb AR 16/02/24