CITY OF GOSNELLS

Southern River Precinct 3
Development Contribution Plan Report
Appendix L

Detailed Costs - Common Infrastructure Works
October 2026

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Document Control

Version	Date	Comment
1	19 December 2023	Move Appendix K from inside the DCPR to create a separate appendix L document
2	27 February 2024	As adopted by Council (Resolutions 19,20,21,22 & 23)
3	24 September 2024	As adopted by Council (Resolution 244)
4	16 December 2025	As adopted by Council (Resolution 368)
5	13 October 2026	As presented to Council OCM 13.10.2026

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Holmes Street costs - Preliminaries, Siteworks and Earthworks

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
PSEa1	Site Establishment	1	86,662.15	43,331.08
PSEa2	Insurances & BCTIF	1	51,997.29	25,998.65
PSEa3	Management Plans (safety, dust, noise & vibration, construction)	1	10,399.46	5,199.73
PSEa4	Location and Protection of existing services	1	34,664.85	17,332.43
PSEa5	Site operation & maintenance:			
PSEa6	Survey	20	4,333.10	43,331.00
PSEa7	Supervision	20	5,199.73	51,997.30
PSEa8	Site security	20	866.61	8,666.10
PSEa9	ATCO Gas safety spotter	20	5,199.73	51,997.30
PSEa10	Traffic Management (in accordance with Approved Traffic Management Plan)	20	5,199.73	51,997.30
PSEb1	Construction water	20	866.61	8,666.10
PSEb2	Site temporary fencing	3,000	34.67	52,005.00
PSEb3	Dust Control (in accordance with section 2.6 of specification)	20	2,599.86	25,998.60
PSEb4	Dustex	20	866.61	8,666.10
PSEb5	Sweeping of roads	20	433.31	4,333.10
PSEb6	Soil stabilisation bond	1	8,666.22	4,333.11
PSEe1	Clearing & mulching	61,400	0.87	40,063.50
PSEe2	Topsoil stripping & stockpile (100mm deep)	61,400	1.73	79,666.50
PSEe3	Proof rolling	61,400	0.87	40,063.50
PSEe4	Cut to fill	26,330	13.87	273,897.83
PSEe6	E/O for modified works practices as per DN1400 CTW requirements	1	17,332.43	12,999.32
PSEe7	Replace topsoil (100mm)	16,850	0.44	5,560.50
PSEe8	Dispose topsoil offiste	4,460	26	86,970.00
PSEe9	Trimming	19,500	0.44	6,435.00
PSEe10	Stabilisation - hydromulch	19,500	0.71	10,383.75
PSEe11	Quality assurance & as constructed	1	8,666.22	6,499.67
			Total	**966,392.47**

Holmes Street costs - Roadworks

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
Ra1	Subgrade Preparation	30,420	6.07	92,324.70
Ra2	E/O for modified works practices as per DN1400 CTW requirements	1	17,332.43	8,666.22
Ra3	Sub Base - 100mm limestone	25,600	10.40	133,120.00
Ra4	Sub Base - 110mm limestone (intersection)	4,820	11.26	27,136.60
Ra5	Base Course - 250mm crushed rock	25,600	38.99	499,072.00
Ra6	Base Course - 250mm crushed rock (intersection)	4,820	38.99	93,965.90
Ra7	Prime seal 7mm	38,200	6.07	115,937.00
Ra8	40mm AC14 Black asphalt (Class 320 binder)	22,000	36.98	406,780.00
Ra9	40mm AC14 Black asphalt Intersection Mix (Class A15E PMB)	1,917	43.32	41,522.22
Ra12	Faux brick	3,615	95.33	172,308.98
Ra18	Kerb Type - Semi Mountable	6,085	51.99	158,179.58
Ra22	Line Marking and signage	1	103,994.57	51,997.29
Ra23	Quality Assurance	1	34,664.85	17,332.43
			Total	**1,818,342.92**

Holmes Street costs - Drainage

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
Da1	Excavate and backfill trench:			
Da2	0-2m	2,634	48.54	63,927.18
Da5	Acid sulfate soil investigation & management plan	1	17,332.43	8,666.22
Da6	Acid sulfate soil treatment	1	173,324.29	86,662.15
Da8	300mm° class 2 RCP	1,492	104	77,584.00
Da9	300mm° class 4 RCP	183	138.66	12,687.39
Da10	375mm° class 2 RCP	155	129.99	10,074.23
Da12	450mm° class 2 RCP	223	182	20,293.00
Da13	525mm° class 2 RCP	114	216.66	12,349.62
Da14	600mm° class 2 RCP	195	259.99	25,349.03

Da15	750mm° class 2 RCP	28	363.98	5,095.72
Da21	Acces Chamber - 1050°mm liner complete	1	4,853.08	2,426.54
Da22	Access Chamber - 1200°mm liner complete	1	5,199.73	2,599.87
Da24	Grated gully pit - complete	3	4,766.41	7,149.62
Da26	Side entry pit - complete	80	4,766.41	190,656.40
Da27	Double side entry pit - complete	6	6,066.35	18,199.05
Da29	Headwall to suit 750mm dia pipe	1	8,666.22	4,333.11
Da30	Replacement and extension of 1800mm dia culvert under Holmes to suit new road. Dispose of existing culvert.	1	363,981.02	181,990.51
Da31	Quality Assurance & As-Constructed	1	25,998.65	12,999.33
			Total	**743,042.97**

Holmes Street costs - Power and Lighting

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
Pa1	Excavate, backfill and compact Common trenching includes: Power & NBN trenches including road crossings. The width of trench allowed for power is 0.5m and the width of a separate trench allowed for NBN is 0.8m. The maximum number of cables in any trench is two LV and one HV which would fit within a 0.5m trench.	1,960	26.00	25,480
Pa2	Hand trenching	30	259.99	3,899.85
Pa3	EO for boring under existing road	400	346.65	69,330
Pa4	16mm2 street lighting cable	2,645	13.84	18,303.40
Pa5	25mm2 LV Cable	18	39.86	358.74
Pa6	240mm2 LV cable	1,754	86.45	75,816.65
Pa7	35mm2 HV cable	24	69.07	828.84
Pa8	400mm2 HV cable	1,454	181.48	131,935.96
Pa9	Cover /Danger Tape (125 x 690m roll)	8	230.01	920.04
Pa10	Cable protector slabs (2m)	450	31.02	6,979.50
Pa11	CN73 - Cap ends SL LV10/16	98	3.55	173.95
Pa12	CN73 - Cap ends LV 25	6	7.31	21.93
Pa13	CN73 - Cap ends LV mains	14	3.19	22.33
Pa14	LU5 - Tee joint 25/240	3	126.16	189.24
Pa15	LU7 - 240 - Uni pillar termination 240 mm2	6	244.98	734.94
Pa16	LU11 - uni pillar	1	1,437.84	718.92
Pa17	LU10 - mini pillar	2	167.34	167.34
Pa18	LU14- 240	3	346.90	520.35
Pa19	LU36- Link	1	621.37	310.69
Pa20	Switchgear 2+1	1	52,908.96	26,454.48
Pa21	HV Fuse	1	2,311.29	1,155.65
Pa22	630kVA Transformer	1	77,995.93	38,997.97
Pa23	HU66 Load	1	541.28	270.64
Pa24	160W LED Single outreach 10.5m Pole - Heritage Red	10	7,328.86	36,644.30
Pa25	160W LED Double outreach 10.5m Pole - Heritage Red	18	10,683.55	96,151.95
Pa26	160W LED Single outreach 12.5m Pole - Heritage Red	8	8,304.32	33,217.28
Pa27	Supply and install conduits including sweeping bends - 50mm dia	204	27.73	2,828.46
Pa28	Supply and install conduits including sweeping bends - 100mm dia	150	31.19	2,339.25
Pa29	Supply and install conduits including sweeping bends - 150mm dia	135	38.13	2,573.78
Pa30	Transport of Materials	1	3,466.49	1,733.25
Pa31	Liaison with Western power	1	6,932.97	3,466.49
Pa32	All Necessary inspection including attendance by Recipient In Charge, Final Inspection, Handover, etc.	1	2,079.89	1,039.95
Pa33	Testing HV/LV as required	1	15,599.19	7,799.60
Pa35	Westerm Power Tax on Capital Contributions	1	209,698.62	104,849.31
Pa36	Re-connection of consumer cables	6	12,132.71	36,398.13
			Total	**732,633.16**

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Holmes Street costs - Street Trees and Total

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
STa1	Preliminaries	1	22,113.08	11,056.54
STa2	Survey	1	3,466.49	1,733.25
STa3	Traffic Management (in accordance with Approved Traffic Management Plan)	1	25,998.65	12,999.33
STa4	Minor earthworks/fine grading	12,125	2.60	15,762.50
STa5	O-spec as constructed survey	1	12,999.32	6,499.66
STa6	Tree planting (500 litre)	12	1,906.56	11,439.36
STa7	Tree planting (45 litre)	485	433.31	105,077.68
STa8	General planting	7,593	10.40	39,483.60
STa9	Mulch to general planting	2,535	9.53	12,079.28
STa10	Mulch to tree wells	485	34.67	8,407.48
STa11	Mulch only areas to medians	8,335	8.67	36,132.23
STa12	Soil conditioner to tree planting	485	27.73	6,724.53
STa13	Soil conditioner to general planitng	2,535	6.92	8,771.10
STa14	Consolidation maintenance	13	433.31	2,816.52
STa15	Water cart irrigation	21	4,333.10	45,497.55
STa16	Irrigation to trees	485	161.20	39,091
STa17	Irrigation to planting	2,535	13.87	17,580.23
STa18	Maintenance (post consolidation)	24	11,208.88	134,506.56
			Total	**515,658.40**

			Holmes Street Sub Total	**4,776,069.92**
	Provisional Sums (5%)	1		238,803.50
	Contingency (15%)	1		716,410.49
			Holmes Street TOTAL	**5,731,283.91**

Demolition of improvements costs

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
PSEc1	Demolition license fees - Lot 1000 (outstanding)	1	7,471.40	7,471.40
PSEc2	Demolition of existing house - Lot 1000 (outstanding)	1	60,663.50	60,663.50
PSEc3	Removal & disposal of existing road pavements	9,200	8.67	79,764.00
PSEc4	Removal & disposal of existing fencing	1,450	8.67	12,571.50
PSEc6	Removal & disposal of existing drainage infrastructure	1	17,332.43	17,332.43
			Total	**202,687.87**

			Demolition Sub Total	**202,687.87**
	Provisional Sums (5%)	1		10,134.39
	Contingency (15%)	1		30,403.18
			Demolition TOTAL	**243,225.44**

Holmes Street - Relocation of Services Costs

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
Pa34	Western Power fees and charges	1	402,193.84	402,193.84
PSEd2	Connection of existing customers from overhead to underground	6	8,666.22	51,997.32
PSEd3	Water Corporation amendment of SV lid on DN1400 trunk main	1	17,332.43	17,332.43
PSEd4	Relocation and amendment of communication assets	1,450	173.32	251,314.00
			Total	**722,837.59**

			Service Relocation Sub Total	**722,837.59**
	Provisional Sums (5%)	1		36,141.88
	Contingency (15%)	1		108,425.64
			Service Relocation TOTAL	**867,405.11**

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Holmes Street / Southern River Road Roundabout Costs

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
	Preliminaries, Siteworks & Earthworks			
PSEa4	Location and Protection of existing services			29,183.99
PSEa6	Survey			14,385.93
PSEa7	Supervision	619	80.89	50,070.91
PSEa10	Traffic Management - Planning	109	112.89	12,305.01
PSEa11	Traffic Management (in accordance with Approved Traffic Management Plan)	73	5304.88	387,256.24
PSEb6	Job clean up	4220	2.77	11,689.40
PSEe5	Fill Sand			64,743.93
PSEe6	Fill Sand behind Kerb	949	15.94	15,127.06
PSEe7	Waste Disposal	100	12.49	1,249.00
PSEe8	Waste Disposal	1716	85.29	146,357.64
PSEe9	Waste Disposal - kerbing	1152	12.96	14,929.92
			Preliminaries, Siteworks & Earthworks Total	**747,299.03**
	Roadworks			
Ra3	Sub Base - 100mm limestone	555	88.17	48,934.35
Ra5	Base Course - 250mm crushed rock	555	109.02	60,506.10
Ra7	Water Bind Box 0.45m	2777	3.80	10,552.60
Ra8	Water Bind Limestone 0.20m	2777	7.60	21,105.20
Ra9	Water Bind Roadbase 0.20m	2777	7.60	21,105.20
Ra10	Prime seal 7mm	7125	4.59	32,703.75
Ra11	40mm AC14 Black asphalt	737	231.26	170,438.62
Ra13	Asphalt cutting - Tie into existing	51	32.08	1,636.08
Ra14	Rip Pavement	967	1.33	1,286.11
Ra15	Profiling of pavement	6157	2.29	14,099.53
Ra16	Profiling Removal	308	10.81	3,329.48
Ra17	Faux brick	1058	160.21	169,502.18
Ra22	Kerb Type - Mountable	107	37.26	3,986.82
Ra23	Kerb Type - Semi Mountable	949	38.99	37,001.51
Ra24	Island Buffers	10	64.13	641.30
Ra25	Kerbing Handwork	12	27.73	332.76
Ra28	Traffic barrier complete	139	242.65	33,728.35
Ra29	Removal of Safety Barrier	555		8,666.22
			Roadworks Total	**639,556.16**
	Drainage			
Da8	Supply & Install Drainage Pipes 225mm	4	309.16	1,236.64
Da9	Supply & Install Drainage Pipes 300mm° class 2 RCP	2	173.34	346.68
Da27	Side entry pit - complete	2	3,524.33	7,048.66
Da30	Headwall	1	1,143.37	1,143.37
Da31	Swale	1	17,332.43	17,332.43
			Drainage Total	**27,107.78**
	Shared Paths			
FPa1	100mm thick Concrete 25mpa	342	67.20	22,982.40
FPa2	Pram ramps including tactile indicators	515	44.93	23,138.95
			Shared Paths Total	**46,121.35**
	Power & Lighting			
Pa34	Western Power fees and charges			170,275.52
			Power & Lighting Total	**170,275.52**

			Holmes St/Southern River Rd Roundabout Sub Total	**1,630,359.84**
	Provisional Sums (5%)	1		81,517.99
	Contingency (15%)	1		171,189.80
			Holmes St/Southern River Rd Roundabout TOTAL	**1,883,067.63**
			50% Total Cost	**941,533.82**

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Holmes Street / Matison Street Roundabout Costs

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
	Preliminaries, Siteworks & Earthworks			
PSEa1	Site Establishment	0.20	86,662.15	17,332.43
PSEa2	Insurances & BCTIF	0.20	51,997.29	10,399.46
PSEa3	Management Plans (safety, dust, noise & vibration, construction)	0.20	10,399.46	2,079.89
PSEa4	Location and Protection of existing services	0.20	34,664.85	6,932.97
PSEa5	Site operation & maintenance:			
PSEa6	Survey	6	4,333.10	25,998.60
PSEa7	Supervision	6	5,199.73	31,198.38
PSEa8	Site security	6	866.61	5,199.66
PSEa9	ATCO Gas safety spotter	6	5,199.73	31,198.38
PSEa10	Traffic Management (in accordance with Approved Traffic Management Plan)	6	5,199.73	31,198.38
PSEb1	Construction water	6	866.61	5,199.66
PSEb2	Site temporary fencing	200	34.67	6,934.00
PSEb3	Dust Control (in accordance with section 2.6 of specification)	6	2,599.86	15,599.16
PSEb4	Dustex	6	866.61	5,199.66
PSEb5	Sweeping of roads	6	433.31	2,599.86
PSEb6	Soil stabilisation bond	0.20	8,666.22	1,733.24
PSEe1	Clearing & mulching	8,100	0.87	7,047.00
PSEe2	Topsoil stripping & stockpile (100mm deep)	8,100	1.73	14,013.00
PSEe3	Proof rolling	8,100	0.87	7,047.00
PSEe4	Cut to fill	2,320	13.87	32,178.40
PSEe7	Replace topsoil (100mm)	250	0.44	110.00
PSEe8	Dispose topsoil offiste	785	26.00	20,410.00
PSEe9	Trimming	2,700	0.44	1,188.00
PSEe10	Stabilisation - hydromulch	2,700	0.71	1,917.00
PSEe11	Quality assurance & as constructed	0.50	8,666.22	4,333.11
			Preliminaries, Siteworks & Earthworks Total	**287,047.24**
	Roadworks			
Ra1	Subgrade Preparation	3,950	6.07	23,976.50
Ra4	Sub Base - 110mm limestone (intersection)	3,950	11.26	44,477.00
Ra6	Base Course - 250mm crushed rock (intersection)	3,950	38.99	154,010.50
Ra7	Prime seal 7mm	3,950	6.07	23,976.50
Ra9	40mm AC14 Black asphalt Intersection Mix (Class A15E PMB)	3,547	43.32	153,656.04
Ra12	Faux brick	780	95.33	74,357.40
Ra17	Kerb Type - Mountable	126	51.99	6,550.74
Ra18	Kerb Type - Semi Mountable	800	51.99	41,592.00
Ra23	Line Marking and signage	0.20	103,994.57	20,798.91
Ra24	Quality Assurance	0.50	34,664.85	17,332.43
			Roadworks Total	**560,728.02**
	Drainage			
Da1	Excavate and backfill trench:			
Da2	0-2m	94	48.54	4,562.76
Da8	300mm° class 2 RCP	94	104.00	9,776.00
Da21	Acces Chamber - 1050°mm liner complete	1	4,853.08	4,853.08
Da26	Side entry pit - complete	4	4,766.41	19,065.64
			Drainage Total	**38,257.48**
	Power & Lighting			
Pa1	Excavate, backfill and compact Common trenching includes: Power & NBN trenches including road crossings	580	26.00	15,080.00
Pa4	16mm2 street lighting cable	580	13.84	8,027.20
Pa8	400mm2 HV cable	200	181.48	36,296.00
Pa16	LU11 - uni pillar	1	1,437.84	1,437.84
Pa17	LU10 - mini pillar	1	167.34	167.34
Pa24	160W LED Single outreach 10.5m Pole - Heritage Red	2	7,328.86	14,657.72
Pa25	160W LED Double outreach 10.5m Pole - Heritage Red	4	10,683.55	42,734.20
Pa27	Supply and install conduits including sweeping bends - 50mm dia	160	27.73	4,436.80
Pa30	Transport of Materials	0.50	3,466.49	1,733.25

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Pa31	Liaison with Western power	0.50	6,932.97	3,466.49
Pa32	All Necessary inspection including attendance by Recipient In Charge, Final Inspection, Handover, etc.	1	2,079.89	2,079.89
Pa33	Testing HV/LV as required	0.50	15,599.19	7,799.60
			Power & Lighting Total	**137,916.33**

			Holmes St/Matison St Roundabout Sub Total	**1,023,949.07**
	Provisional Sums (5%)	1		51,197.45
	Contingency (15%)	1		153,592.36
			Holmes St/Matison St Roundabout TOTAL	**1,228,738.88**

Holmes Street / Passmore Street Roundabout Costs

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
	Preliminaries, Siteworks & Earthworks			
PSEa1	Site Establishment	0.20	86,662.15	17,332.43
PSEa2	Insurances & BCTIF	0.20	51,997.29	10,399.46
PSEa3	Management Plans (safety, dust, noise & vibration, construction)	0.20	10,399.46	2,079.89
PSEa4	Location and Protection of existing services	0.20	34,664.85	6,932.97
PSEa5	Site operation & maintenance:			
PSEa6	Survey	6	4,333.10	25,998.60
PSEa7	Supervision	6	5,199.73	31,198.38
PSEa8	Site security	6	866.61	5,199.66
PSEa9	ATCO Gas safety spotter	6	5,199.73	31,198.38
PSEa10	Traffic Management (in accordance with Approved Traffic Management Plan)	6	5,199.73	31,198.38
PSEb1	Construction water	6	866.61	5,199.66
PSEb2	Site temporary fencing	200	34.67	6,934.00
PSEb3	Dust Control (in accordance with section 2.6 of specification)	6	2,599.86	15,599.16
PSEb4	Dustex	6	866.61	5,199.66
PSEb5	Sweeping of roads	6	433.31	2,599.86
PSEb6	Soil stabilisation bond	0.20	8,666.22	1,733.24
PSEe1	Clearing & mulching	8,650	0.87	7,525.50
PSEe2	Topsoil stripping & stockpile (100mm deep)	8,650	1.73	14,964.50
PSEe3	Proof rolling	8,650	0.87	7,525.50
PSEe4	Cut to fill	12,300	13.87	170,601.00
PSEe7	Replace topsoil (100mm)	300	0.44	132.00
PSEe8	Dispose topsoil offiste	835	26.00	21,710.00
PSEe9	Trimming	2,800	0.44	1,232.00
PSEe10	Stabilisation - hydromulch	2,800	0.71	1,988.00
PSEe11	Quality assurance & as constructed	0.50	8,666.22	4,333.11
			Preliminaries, Siteworks & Earthworks Total	**428,815.34**
	Roadworks			
Ra1	Subgrade Preparation	3,830	6.07	23,248.10
Ra4	Sub Base - 110mm limestone (intersection)	3,830	11.26	43,125.80
Ra6	Base Course - 250mm crushed rock (intersection)	3,830	38.99	149,331.70
Ra7	Prime seal 7mm	3,830	6.07	23,248.10
Ra9	40mm AC14 Black asphalt Intersection Mix (Class A15E PMB)	3,436	43.32	148,847.52
Ra12	Faux brick	765	95.33	72,927.45
Ra17	Kerb Type - Mountable	126	51.99	6,550.74
Ra18	Kerb Type - Semi Mountable	785	51.99	40,812.15
Ra23	Line Marking and signage	0.20	103,994.57	20,798.91
Ra24	Quality Assurance	0.20	34,664.85	6,932.97
			Roadworks Total	**535,823.44**
	Drainage			
Da2	Excavate and Backfill trench - 0-2m	152	48.54	7,378.08
Da8	300mm° class 2 RCP	152	104.00	15,808.00
Da26	Side entry pit - complete	6	4,766.41	28,598.46
Da31	Quality Assurance & As-Constructed	0.20	25,998.65	5,199.73
			Drainage Total	**56,984.27**

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	Power & Lighting			
Pa1	Excavate, backfill and compact Common trenching includes: Power & NBN trenches including road crossings	360	26.00	9,360.00
Pa4	16mm2 street lighting cable	360	13.84	4,982.40
Pa8	400mm2 HV cable	100	181.48	18,148.00
Pa24	160W LED Single outreach 10.5m Pole - Heritage Red	4	7,328.86	29,315.44
Pa25	160W LED Double outreach 10.5m Pole - Heritage Red	4	10,683.55	42,734.20
Pa27	Supply and install conduits including sweeping bends - 50mm dia	160	27.73	4,436.80
Pa29	Supply and install conduits including sweeping bends - 150mm dia	40	38.13	1,525.20
Pa30	Transport of Materials	0.50	3,466.49	1,733.25
Pa31	Liaison with Western power	0.50	6,932.97	3,466.49
Pa32	All Necessary inspection including attendance by Recipient In Charge, Final Inspection, Handover, etc.	1	2,079.89	2,079.89
Pa33	Testing HV/LV as required	0.50	15,599.19	7,799.60
			Power & Lighting Total	**125,581.27**

			Holmes St/Passmore St Roundabout Sub Total	**1,147,204.32**
	Provisional Sums (5%)	1		57,360.22
	Contingency (15%)	1		172,080.65
			Holmes St/Passmore St Roundabout TOTAL	**1,376,645.19**
			50% Total Costs	**688,322.60**

Forrestdale Main Drain - Upgrade

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
DUa21	Roll on turf	3,320	13.87	45,687.78
DUa25	Soil conditioner to turf	3,320	7.45	24,540.30
DUa30	Bore cost	1	259,986.45	259,986.45
DUa33	Irrigation to turf	3,320	13.87	45,687.78
DUa34	Iron filter cost	1	259,986.45	259,986.45
			Forrestdale Main Drain - Upgrade Total	**635,888.76**

			Forrestdale Main Drain - Upgrade Sub Total	**635,888.76**
	Provisional Sums (5%)	1		31,794.44
	Contingency (15%)	1		95,383.31
			Forrestdale Main Drain - Upgrade TOTAL	**763,066.51**

Forrestdale Main Drain - Future Road Crossing

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
	Preliminaries, Siteworks & Earthworks			
PSEa1	Site Establishment	0.25	51,997.29	12,999.32
PSEa2	Insurances & BCTIF	0.25	25,998.65	6,499.66
PSEa3	Management Plans (safety, dust, noise & vibration, construction)	0.25	10,399.46	2,599.87
PSEa4	Location and Protection of existing services	0.25	17,332.43	4,333.11
PSEa6	Survey	4	4,333.10	17,332.40
PSEa7	Supervision	4	5,199.73	20,798.92
PSEa8	Site security	4	866.61	3,466.44
PSEa9	Traffic Management (in accordance with Approved Traffic Management Plan)	0.25	17,332.43	4,333.11
PSEb1	Construction water	4	866.61	3,466.44
PSEb3	Dust Control (in accordance with section 2.6 of specification)	4	1,299.93	5,199.72
PSEb4	Dustex	4	866.61	3,466.44
PSEb5	Sweeping of roads	4	433.31	1,733.24
PSEb6	Soil stabilisation bond	0.25	8,666.22	2,166.56
			Preliminaries, Siteworks & Earthworks Total	**88,395.23**
	Roadworks			
Ra1	Subgrade Preparation	168	6.07	1,019.76
Ra3	Sub Base - 140mm limestone (intersection)	168	13.11	2,202.48
Ra4	Base Course - 190mm crushed rock	168	29.63	4,977.84

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Ra6	Prime seal 7mm	168	6.07	1,019.76
Ra7	40mm AC14 Black asphalt (Class 320 binder)	144	36.98	5,325.12
Ra15	Kerb Type - Semi Mountable	40	51.99	2,079.60
Ra19	Traffic barrier complete (for FMD/Future Road)	1	60,663.50	60,663.50
Ra21	Quality Assurance	1	8,666.22	8,666.22
			Roadworks Total	**85,954.28**
	Drainage			
DUa7	Supply and install dual 1800 dia culverts (Future Road) complete	1	207,989.15	207,989.15
DUa8	Quality Assurance	0.50	12,999.32	6,499.66
			Drainage Total	**214,488.81**

			Forrestdale Main Drain – Future Road Crossing Sub Total	**388,838.32**
	Provisional Sums (5%)	1		19,441.92
	Contingency (15%)	1		58,325.75
			Forrestdale Main Drain – Future Road Crossing TOTAL	**466,605.99**

Balannup Lake Branch Drain - Upgrade

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
DUa19	Roll on turf	5,970	13.87	28,315.61
DUa19A	Roll on turf (complete)	3,812.50		44,771.49
DUa23	Soil conditioner to turf	5,970	7.45	15,209.18
DUa23A	Soil conditioner to turf (complete)	2,110.50		4,640.19
DUa23A	Soil conditioner to turf (complete)	1,702		5,320.45
DUa28	Bore cost	1	259,986.45	159,640.24
DUa28A	Bore cost (complete)	1,702		97,720.32
DUa31	Irrigation to turf	5,970	13.87	28,315.61
DUa31A	Irrigation to turf (complete)	3,812.50		44,771.49
DUa32	Iron filter cost	1	259,986.45	259,986.45
			Balannup Lake Branch Drain – Upgrade (Outstanding) Total	**491,467.09**

			Balannup Lake Branch Drain – Upgrade (Outstanding) Sub Total	**491,467.09**
	Provisional Sums (5%)	1		24,573.35
	Contingency (15%)	1		12,473.20
	Contingency (completed)			61,246.86
			Balannup Lake Branch Drain – Upgrade (Outstanding) TOTAL	**528,513.64**

Balannup Lake Branch Drain - Future Road Crossing

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
	Preliminaries & Siteworks			
PSEa1	Site Establishment	0.25	51,997.29	12,999.32
PSEa2	Insurances & BCTIF	0.25	25,998.65	6,499.66
PSEa3	Management Plans (safety, dust, noise & vibration, construction)	0.25	10,399.46	2,599.87
PSEa4	Location and Protection of existing services	0.25	17,332.43	4,333.11
PSEa6	Survey	4	4,333.10	17,332.40
PSEa7	Supervision	4	5,199.73	20,798.92
PSEa8	Site security	4	866.61	3,466.44
PSEa9	Traffic Management (in accordance with Approved Traffic Management Plan)	0.25	17,332.43	4,333.11
PSEb1	Construction water	4	866.61	3,466.44
PSEb3	Dust Control (in accordance with section 2.6 of specification)	4	1,299.93	5,199.72
PSEb4	Dustex	4	866.61	3,466.44
PSEb5	Sweeping of roads	4	433.31	1,733.24
	Soil stabilisation bond	0.25	8,666.22	2,166.56
			Preliminaries & Siteworks Total	**88,395.23**

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	Roadworks			
Ra1	Subgrade Preparation	126	6.07	764.82
Ra3	Sub Base - 140mm limestone (intersection)	126	13.11	1,651.86
Ra4	Base Course - 190mm crushed rock	126	29.63	3,733.38
Ra6	Prime seal 7mm	126	6.07	764.82
Ra7	40mm AC14 Black asphalt (Class 320 binder)	108	36.98	3,993.84
Ra15	Kerb Type - Semi Mountable	30	51.99	1,559.70
Ra19	Traffic barrier complete (for BLD/Future Road crossing)	1	60,663.50	60,663.50
Ra21	Quality Assurance	1	8,666.22	8,666.22
			Roadworks Total	**81,798.14**
	Drainage			
DUa6	Supply and install dual 600 dia culverts (Future Road 1) complete	1	60,663.50	60,663.50
DUa7	Quality Assurance	0.50	12,999.32	6,499.66
			Drainage Total	**67,163.16**

			Balannup Lake Branch Drain – Future Road Crossing Sub Total	**237,356.53**
	Provisional Sums (5%)	1		11,867.83
	Contingency (15%)	1		35,603.48
			Balannup Lake Branch Drain – Future Road Crossing TOTAL	**284,827.84**

Offsite Shared Paths - Detailed Costs

ITEM	DESCRIPTION	QTY	RATE ($)	TOTAL ($)
	Preliminaries, Siteworks & Earthworks			
PSEa1	Site Establishment	1	51,997.29	51,997.29
PSEa2	Insurances	1	25,998.65	25,998.65
PSEa3	Management Plans (safety, dust, noise & vibration, construction)	1	10,399.46	10,399.46
PSEa4	Location and Protection of existing services	1	25,998.65	25,998.65
PSEa6	Survey	14	2,166.56	30,331.84
PSEa7	Supervision	14	2,599.86	36,398.04
PSEa8	Site security	14	1,386.60	19,412.40
PSEa9	Safety manangement	14	433.31	6,066.34
PSEa10	Traffic Management (in accordance with Approved Traffic Management Plan)	14	1,733.25	24,265.50
PSEb1	Construction water	14	866.61	12,132.54
PSEb2	Site temporary fencing	1000	34.67	34,670.00
PSEb3	Dust Control (in accordance with section 2.6 of specification)	14	1,299.93	18,199.02
PSEb4	Dustex	14	866.61	12,132.54
PSEb5	Sweeping of roads	14	433.31	6,066.34
PSEb6	Soil stabilisation bond	1	8,666.22	8,666.22
PSEe1	Clearing & mulching	23962	1.73	41,454.26
PSEe2	Topsoil stripping & stockpile (100mm deep)	23962	1.73	41,454.26
PSEe3	Dispose topsoil offsite	2396	26.00	62,296.00
PSEe4	Subgrade preparation	20281	6.92	140,344.52
PSEe5	Trimming	20281	0.87	17,644.47
PSEe6	Quality assurance & as constructed	1	34,664.85	34,664.85
			Preliminaries, Siteworks & Earthworks Total	**660,593.19**
	Paths - Passmore St (From Woongan to Phoebe)			
FPa1	100mm thick Concrete 25mpa	3310	69.33	229,482.30
FPa3	Pram ramps including tactile pavers	6	1599.92	9,359.52
			Paths – Passmore St Total	238,841.82
	Paths – Southern River Foreshore (From Southern River to Woongan)			
FPa1	100mm thick Concrete 25mpa	4014	69.33	278,290.62
FPa3	Pram ramps including tactile pavers	8	1559.92	12,479.36
			Paths – Southern River Foreshore	**290,769.98**

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	Paths – Southern River Road (Furley to Southern River Foreshore)			
FPa1c	100mm thick Concrete 25mpa (completed)	3585		192,419.21
FPa1	100mm thick Concrete 25mpa (outstanding)	1652.5	69.33	114,567.83
FPa2	Faux Brick (stencil)	620	95.33	59,104.60
FPa3c	Pram ramps including tactile pavers (completed)	6		7,246.13
FPa3	Pram ramps including tactile pavers	2	1559.92	3,119.84
FPa4	Bridge structure for Southern River Road path crossing BLD (completed)	1		112,347.47
			Paths – Southern River Rd Total (Outstanding)	**176,792.27**
	Paths – Holmes St			
FPa1	100mm thick Concrete 25mpa	6440	69.33	446,485.20
FPa2	Pram ramps including tactile indicators	15	1559.92	23,398.80
			Paths – Holmes St TOTAL	**469,884.00**

			Offsite Shared Paths (Outstanding) Sub Total	**1,836,881.26**
	Provisional Sums (5%)	1		91,844.06
	Contingency (15%)	1		273,973.14
	Contingency (completed)			1,559.05
			Offsite Share Paths (Outstanding) TOTAL	**2,202,698.46**

Land Requirements - Southern River Road

Property Address	Land (m2)	2026 Cost ($)
Lot 104 Leslie Street	18	4,500.00
Lot 1508 Leslie Street	462	78,853.34
Lot 1744 Bradley Street	332	56,665.17
Lot 1 Southern River Road	22	3,754.92
Lot 14 Southern River Road	381	65,028.41
Lot 14 Southern River Road (drainage basin)	791	135,006.47
Lot 16 Southern River Road	407	29,828.81
Lot 100 Southern River Road	1770	442,500.00
Lot 1768 Southern River Road	98	24,500.00
Lot 21 Furley Road	237	59,250.00
	Total	**369,137.12**

Land Requirements - Holmes Street

Property Address	Land (m2)	2026 Cost ($)
Lot 11 Southern River Road	3208	510,758.58
Lot 1001 Holmes Street	4633	771,294.90
Lot 9 Matison Street	6221	934,640.32
Lot 3 Southern River Road	275	43,706.39
Lot 4 Holmes Street	387	76,646.29
Lot 5 Holmes Street	482	82,266.90
Lot 8 Matison Street	532	90,800.81
Lot 9 Holmes Street	2821	705,250.00
Lot 1792 Holmes Street	15620	3,655,000.00
Lot 1793 Matison Street	2452	418,503.01
Lot 1804 Holmes Street	521	130,250.00
Lot 1000 Holmes Street	897	858,000.00
Lot 8 Holmes Street	2962	740,500.00
	Total	**2,928,617.20**

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Land Requirements - Forrestdale Main Drain

Property Address	Land (m2)	2026 Cost ($)
Lot 9 Holmes Street	2772	693,000.00
Lot 8 Holmes Street	2024	506,000.00
Lot 6 Matison Street	7638	1,909,500.00
Lot 5 Matison Street	4947	247,350.00
Lot 102 Matison Street	2328	116,400.00
Lot 101 Matison Street	2330	116,500.00
Lot 3 Matison Street	4732	236,600.00
Lot 2 Matison Street	4822	241,100.00
Lot 1 Matison Street	4931	246,550.00
	Total	**4,313,000.00**

Land Requirements - Balannup Lake Branch Drain

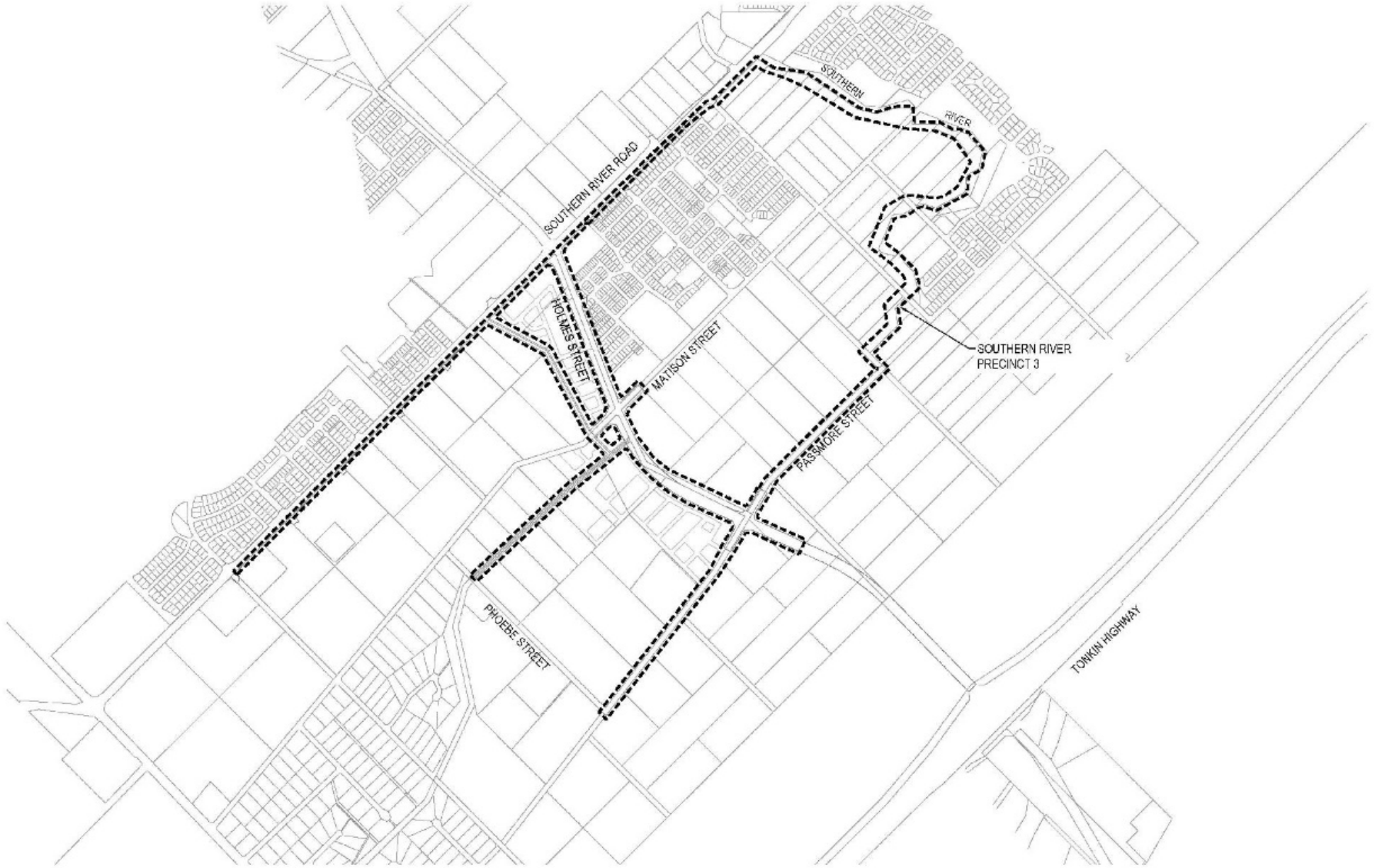
Property Address	Land (m2)	2026 Cost ($)
Lot 11 Southern River Road	681	108,627.93
Lot 1001 Holmes Street	836	142,687
Lot 9 Matison Street	1410	243,368.52
	Total	**494,683.45**

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CIVIL

DRAWING NUMBER	DESCRIPTION
CI-000-GE-P1	COVER PAGE
C-050-EX-P1	EXISTING SERVICES PLAN
CI-060-SI-P1	SITEWORKS PLAN
CI-060-SI-P2	DEMOLITION PLAN - SHEET 1
CI-060-SI-P3	DEMOLITION PLAN - SHEET 2
CI-100-EW-P1	EARTHWORKS PLAN
CI-400-RD-P1	ROADWORKS PLAN AND PROFILE - SHEET 1
CI-400-RD-P2	ROADWORKS PLAN AND PROFILE - SHEET 2
CI-400-RD-P3	ROADWORKS PLAN AND PROFILE - SHEET 3
CI-400-RD-P4	ROADWORKS PLAN AND PROFILE - SHEET 4
CI-404-RD-I1	INTERSECTION DETAILS - SHEET 1
CI-404-RD-I2	INTERSECTION DETAILS - SHEET 2
CI-404-RD-I3	INTERSECTION DETAILS - SHEET 3
CI-404-RD-I4	INTERSECTION DETAILS - SHEET 4
CI-404-RD-I5	INTERSECTION DETAILS - SHEET 5
CI-406-RD-D1	ROAD DETAILS - SHEET 1
CI-440-FP-P1	FOOTPATH PLAN - SHEET 1
CI-440-FP-P2	FOOTPATH PLAN - SHEET 2
CI-440-FP-P3	FOOTPATH PLAN - SHEET 3
CI-440-FP-P4	FOOTPATH PLAN - SHEET 4
CI-440-FP-P5	FOOTPATH PLAN - SHEET 5
CI-440-FP-P6	FOOTPATH PLAN - SHEET 6
CI-446-FP-D1	FOOTPATH DETAILS - SHEET 1
CI-520-DR-P5	DRAINAGE PLAN - SHEET 1
CI-520-DR-P5	DRAINAGE PLAN - SHEET 2
CI-520-DR-P5	DRAINAGE PLAN - SHEET 3
CI-520-DR-P5	DRAINAGE PLAN - SHEET 4
CI-520-DR-P5	DRAINAGE - LIVING STREAM LAYOUT
CI-520-DR-P6	DRAINAGE - FORRESTDALE MAIN DRAIN
CI-520-DR-P7	DRAINAGE - BALANUP LAKE DRAIN
CI-526-DR-D1	DRAINAGE DETAILS - SHEET 1
CI-526-DR-D2	DRAINAGE DETAILS - SHEET 2



CITY OF GOSNELLS

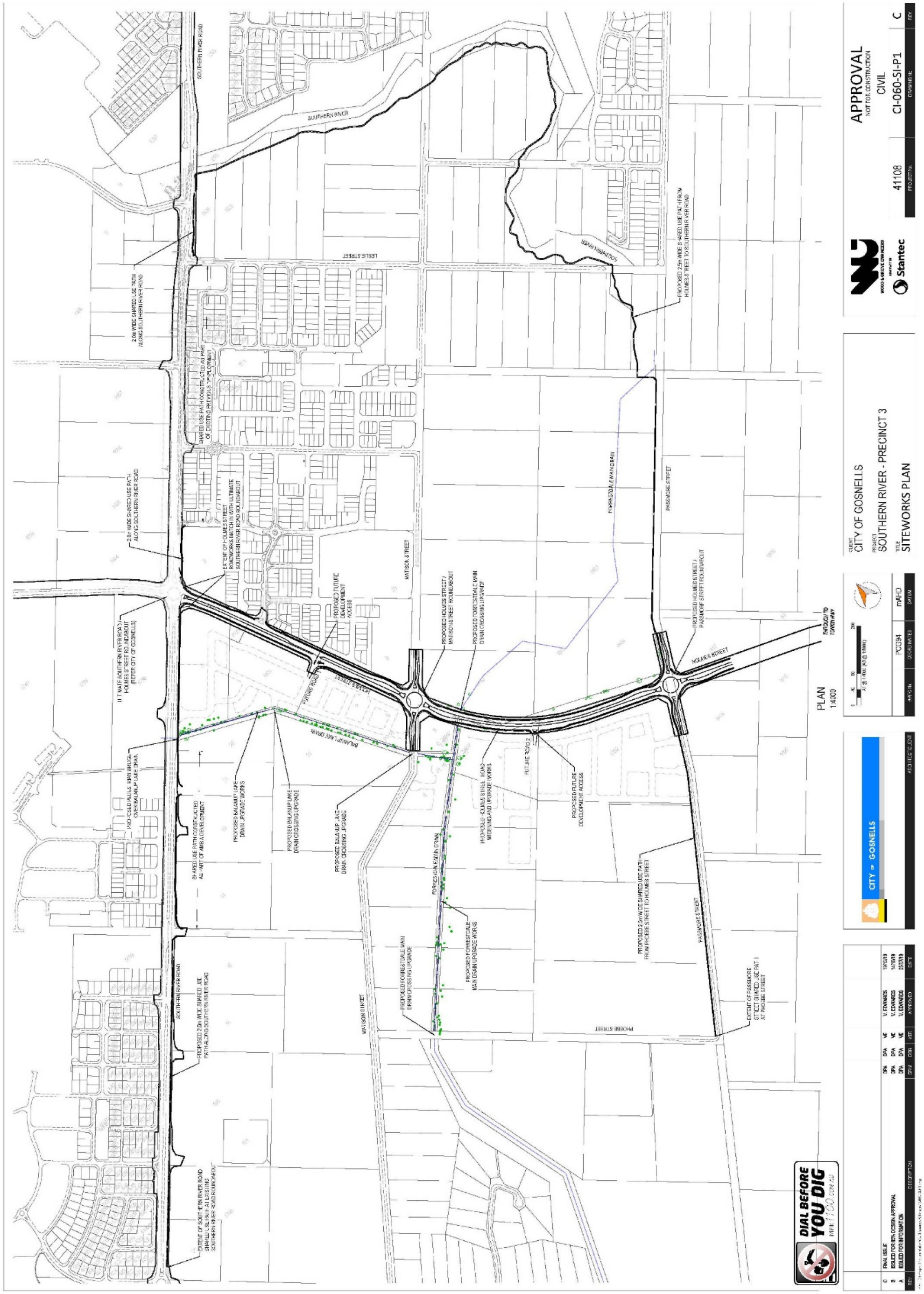
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CLIENT	PROJECT	PROJECT No	DRAWING No	REV

Existing Services Plan



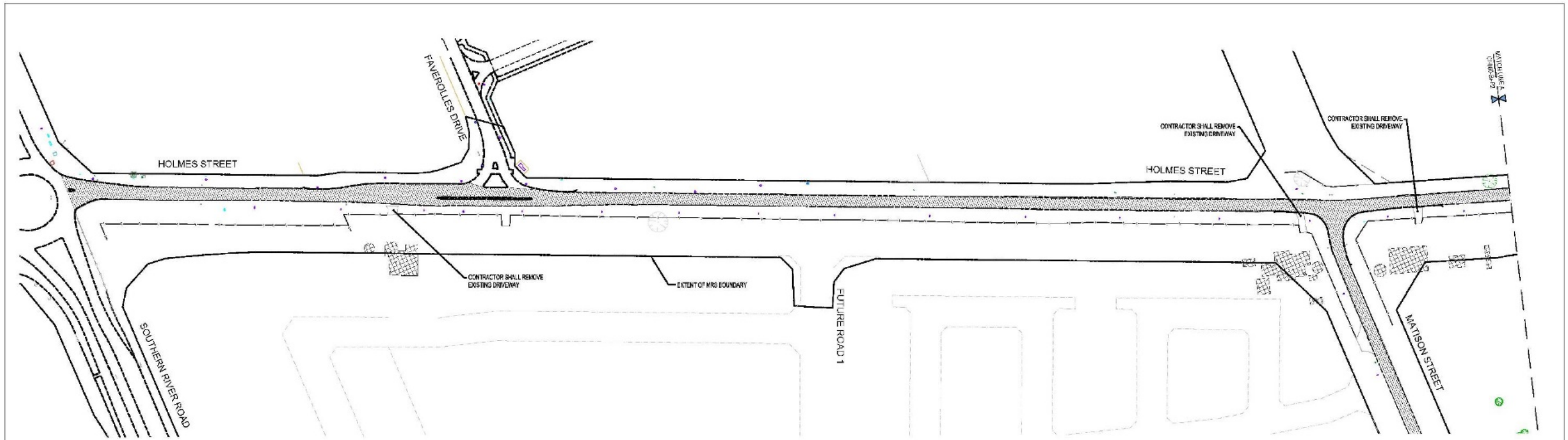
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Siteworks Plan



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PLAN
SCALE 1:1000

NOTES

1. GENERAL
1.1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL DRAWINGS AND THE SPECIFICATION. IT IS THE CONTRACTORS RESPONSIBILITY TO INSPECT THE SITE AND DETERMINE THE WORKS INVOLVED TO ACHIEVE THE INTENT OF THE PROJECT.

1.2. THE CONTRACTOR SHALL LIAISE WITH SERVICING AUTHORITIES AND AGENCIES FOR THE LOCATION AND PROTECTION OF ALL SERVICES WITHIN AND ADJOINING THE SITE BY MEANS OF REFERENCE TO EXISTING DRAWINGS AND SURVEY, REFERENCE TO THE 1 CALL DATABASE AND DIRECT NEGOTIATION WITH AGENCIES. THE CONTRACTOR SHALL MAKE ITSELF SATISFIED THAT ALL INFORMATION ASSEMBLED IS CORRECT AND REPRESENTATIVE OF ALL RELEVANT SERVICES WITH THE CAPABILITY OF AVAILABLE INFORMATION.

2. DEMOLITION
2.1. DEMOLITION SHALL BE COMPLETED IN ACCORDANCE WITH THE SPECIFICATION.
2.2. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL COMPLY WITH AND OBTAIN ALL REQUIRED AUTHORITY CONDITIONS AND LICENSES. THIS INCLUDES BUT IS NOT LIMITED TO.
- OBTAINING CITY APPROVAL TO DEMOLISH.
- OTHER CITY REQUIREMENTS.

3. SCOPE OF WORKS
3.1. DEMOLITION OF STRUCTURES AS SHOWN SHALL BE UNDERTAKEN BY THE CONTRACTOR. THE CONTRACTOR SHALL ALLOW TO GRUB OUT FOOTINGS AND IN GROUND SERVICES TO THE STRUCTURES AND DISPOSAL TO RECYCLING OR TO LANDFILL AS SPECIFIED. ALL OTHER SLABS, PAVING, FENCES, SERVICES NOT OTHERWISE REQUIRED BY THE APPLICABLE SERVICE AUTHORITY OR THE COUNCIL AND THE LIKE WITHIN THE SITE AS SHOWN ON THE DRAWINGS SHALL BE REMOVED AND DISPOSED OFF SITE TO RECYCLING OR TO LANDFILL.
3.2. THE CONTRACTOR SHALL TAKE RESPONSIBILITY FOR ALL CONTRACTUAL WORKS STAGING, OCCUPATIONAL HEALTH & SAFETY REQUIREMENTS, PROJECT MANAGEMENT, RISK MANAGEMENT, TRAFFIC MANAGEMENT AND SO ON IN ACCORDANCE WITH THE GENERAL AND SPECIFIC CONDITIONS OF CONTRACT, THE TECHNICAL SPECIFICATION AND THE DETAILS WITH THIS DRAWING SET.
3.3. THE CONTRACTOR SHALL ALLOW TO DISCONNECT ALL SERVICES TO THE EXISTING BUILDINGS BEING DEMOLISHED.
3.4. THE CONTRACTOR SHALL ENSURE ALL STRUCTURES ABOVE AND BELOW GROUND IN AREAS MARKED FOR BUILDING DEMOLITION BE DEMOLISHED IN ACCORDANCE WITH THE SPECIFICATION. THE EXISTING STRUCTURES TO BE DEMOLISHED AS SHOWN ON THE PLAN MAY NOT SHOW ALL STRUCTURES IN THE AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THE LOCATION AND EXTENT OF ALL STRUCTURES IN THE WORKS BOUNDARY AND SHALL MAKE ALLOWANCE TO DEMOLISH ALL STRUCTURES IN ACCORDANCE WITH THE SPECIFICATION.

4. PROTECTION OF ADJACENT BUILDINGS AND VEGETATION
4.1. THE CONTRACTOR SHALL LIMIT THE MOVEMENT OF EQUIPMENT AND MANPOWER TO THE MINIMUM AREA NECESSARY AND PROTECT ALL VEGETATION ON SITE.
4.2. THE CONTRACTOR SHALL ENSURE THE ADJACENT PROPERTYS ARE PROTECTED AT ALL TIMES.

5. DUST CONTROL
5.1. THE CONTRACTOR SHALL ALLOW FOR DUST CONTROL MEASURES IN ACCORDANCE WITH DEC DUST CONTROL GUIDELINES FOR DEMOLITION WORKS, IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATION.

6. GENERAL
6.1. THE CONTRACTOR SHALL REFER TO THE WATER RETICULATION AND SEWER RETICULATION PLANS FOR THE TIMELY REMOVAL OR DISCONNECTION OF THESE SERVICES DURING THE DEMOLITION WORKS.

LEGEND

EXISTING ROAD PAVEMENT TO BE REMOVED AND DISPOSED OF OFF-SITE. ROAD PAVEMENT REMOVAL SHALL EXTEND 1.0m PAST ROAD EDGE.

EXISTING BUILDINGS AND OTHER IN-SITU ITEMS SHALL BE REMOVED AND DISPOSED OF OFF SITE. EXISTING GROUND IN THE AREA OF REMOVAL SHALL BE LEFT FLAT AND COMPACTED TO EQUAL OR GREATER COMPACTION THAN EXISTING GROUND.

EXISTING FENCE TO BE REMOVED AND DISPOSED OFF-SITE

DIAL BEFORE YOU DIG
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REV	DESCRIPTION	ORIG	DSN	VER	APPROVED	DATE
C	FINAL ISSUE	DPA	DPA	VE	V. EDWARDS	19/12/19
B	ISSUED FOR 85% DESIGN APPROVAL	DPA	AFD	VE	V. EDWARDS	14/10/19
A	ORIGINAL ISSUE	AFD	AFD	VE	V. EDWARDS	05/07/19

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CITY of GOSNELLS
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A1 @ 1:1000 (A3 @ 1:2000)

#APD No.	COORDINATES	DATUM
	PCG94	mAHD

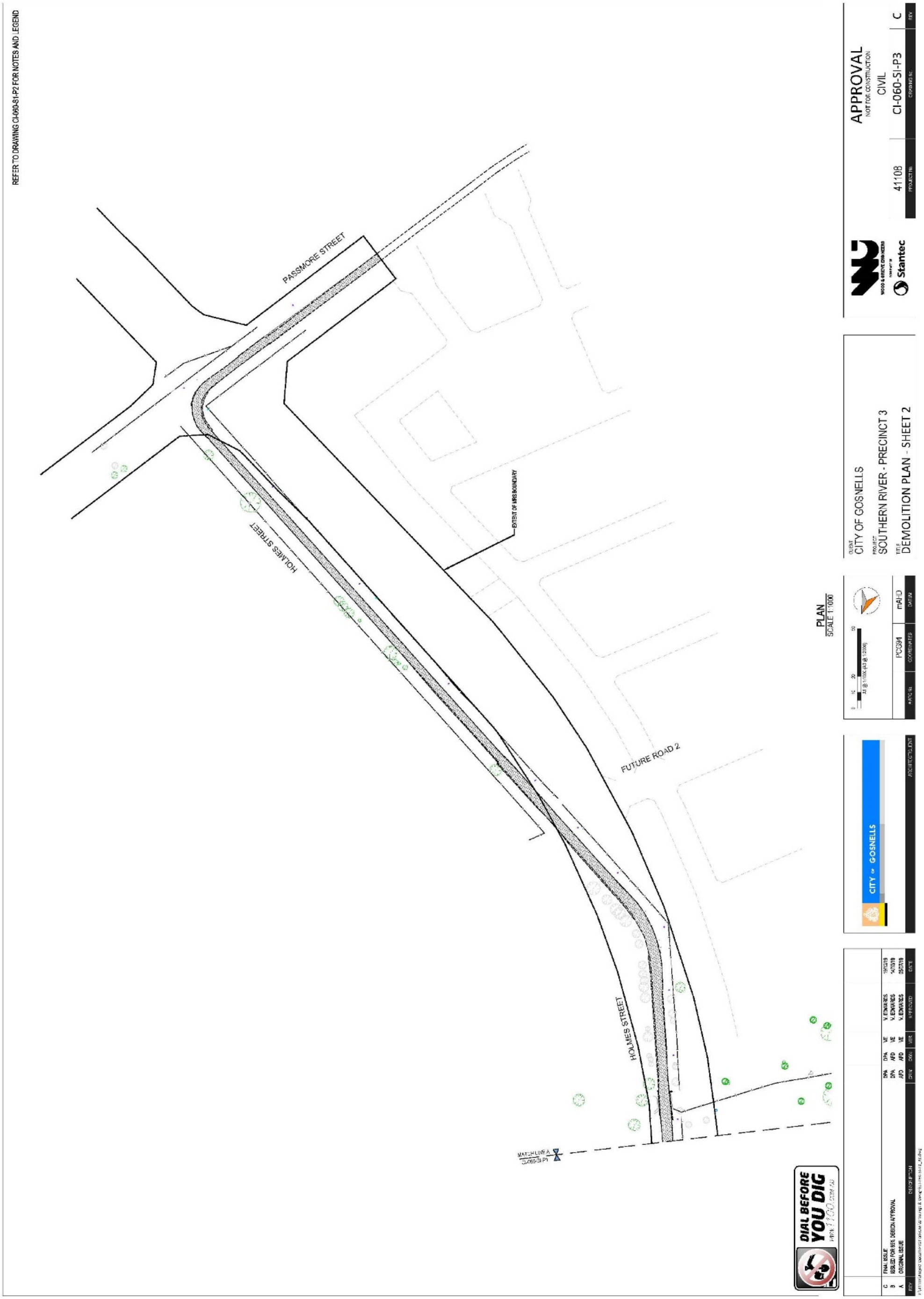
CLIENT
CITY OF GOSNELLS
PROJECT
SOUTHERN RIVER - PRECINCT 3
TITLE
DEMOLITION PLAN - SHEET 1

WOOD & GRIEVE ENGINEERS
COMPANY OF
Stantec

APPROVAL
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CIVIL

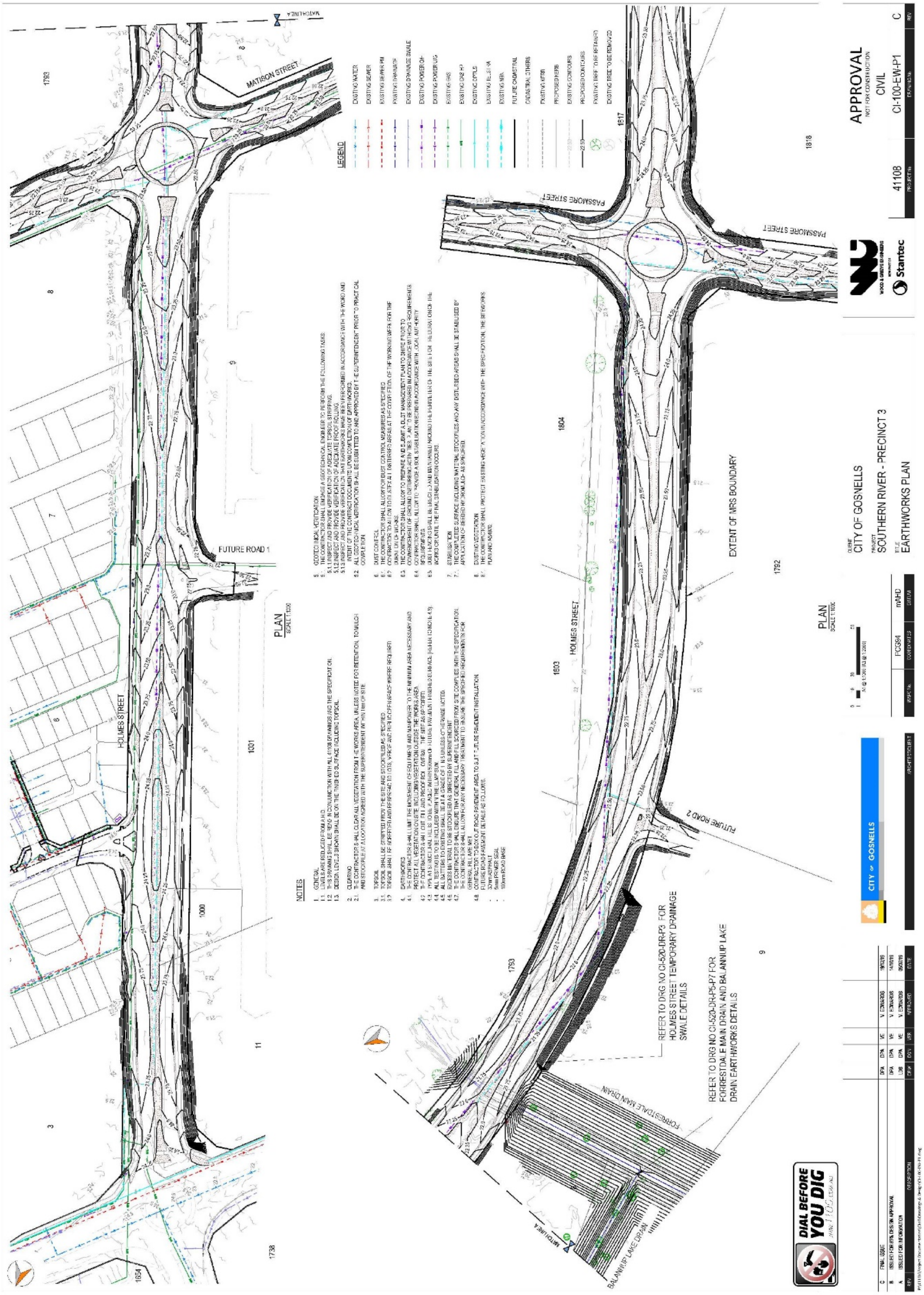
PROJECT No.	DRAWING No.	REV.
41108	CI-060-SI-P2	C

Demolition Plan 2



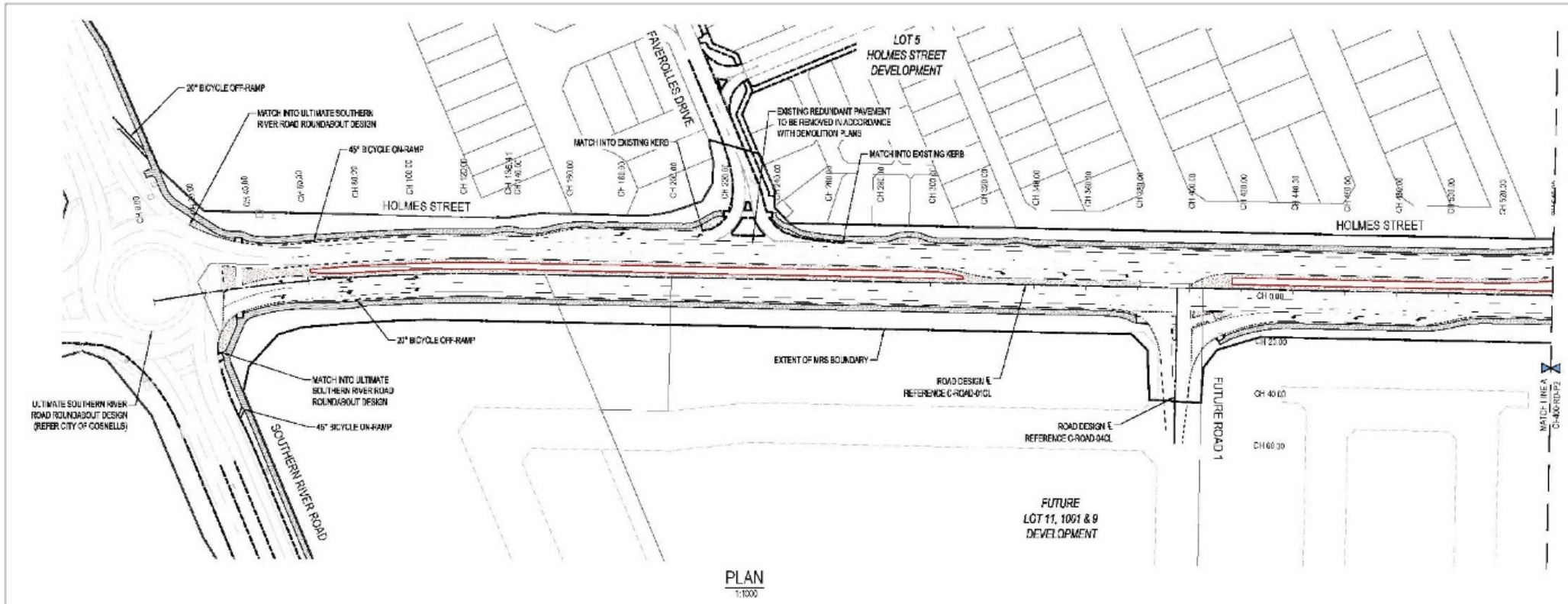
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Version: 1, Version Date: 20/10/2026

Earthworks Plan 1

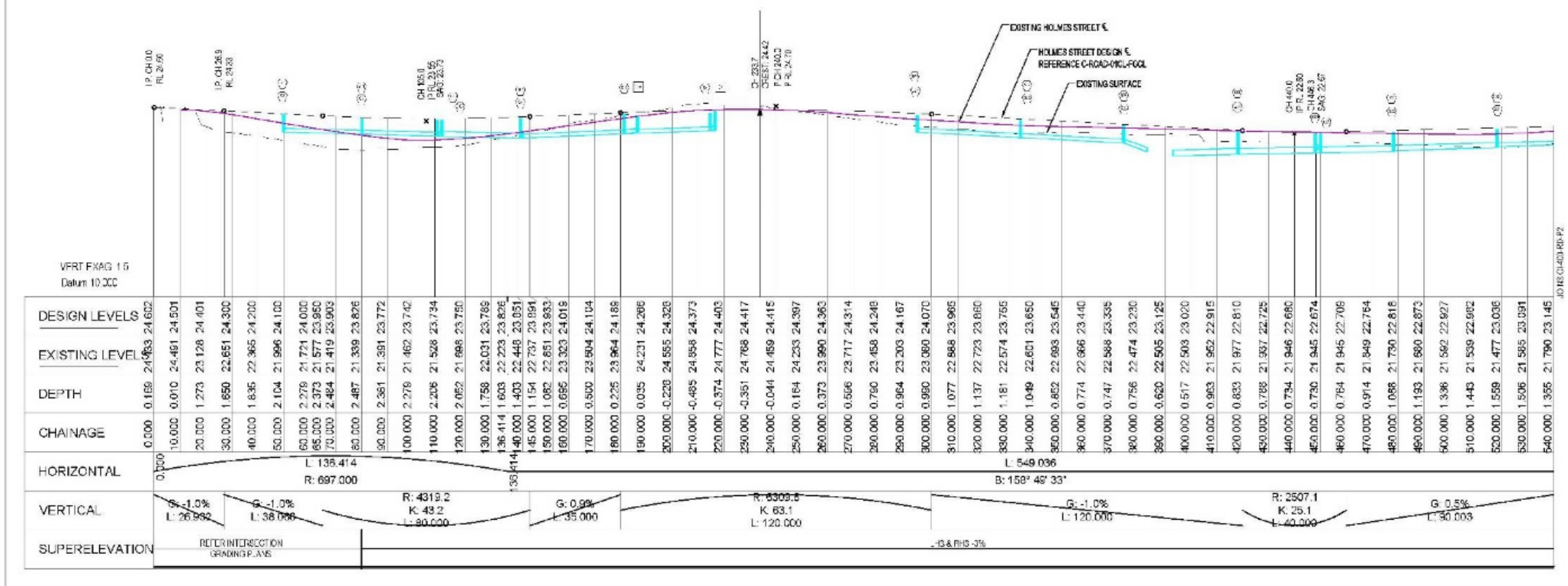


Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026



PLAN
1:1000



HOLMES STREET PROFILE
H 1:1000
V 1:100

NOTES

1. GENERAL
1.1. LEVELS ARE REDUCED FROM A.H.D.
1.2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL 41108 DRAWINGS AND THE SPECIFICATION.
1.3. THE CONTRACTOR SHALL LIMIT THE MOVEMENT OF EQUIPMENT AND MANPOWER TO THE MINIMUM AREA NECESSARY AND PROTECT ALL VEGETATION ON SITE.
1.4. CONTRACTOR TO PROVIDE SUPPLIERS MATERIAL COMPLIANCE CERTIFICATES TO SUPERINTENDENT PRIOR TO MATERIAL INSTALLATION ON SITE.

2. ROADWORKS
2.1. ALL ROAD PAVEMENT TO BE:
- 40mm ASPHALT
- 5mm PRIMER SEAL
- 150mm TYPICAL ROAD BASE OR 110mm INTERSECTION ROAD BASE
- 250m - MIN STONE SUB-BASE
- 300mm SAND SUBGRADE (COMPLETED IN EARTHWORKS CONTRACT)

2.2. ALL CORNER SWEEPS SHALL BE IN ACCORDANCE WITH INTERSECTION DETAIL PLANS.
2.3. ALL KERBS SHALL BE SEMI-MOUNTABLE UNLESS OTHERWISE SHOWN.
2.4. PAVEMENT WIDTH SHALL BE AS SHOWN ON THE DRAWING AND SHALL BE MEASURED BETWEEN KERBS.
2.5. ALL DISTURBED AREAS SHALL BE STABILISED WITH HYDROMULCH.
2.6. MRWA TO INSTALL REGULATORY SIGNS AND LINE MARKINGS IN CONJUNCTION WITH THE WORKS. NON MRWA COSTS SHALL BE BORNE BY THE CONTRACTOR. MRWA COSTS ARE PROVISIONAL SUMS.
2.7. THE CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT IN A STRAIGHT LINE AND MAKE SMOOTH CONNECTION.

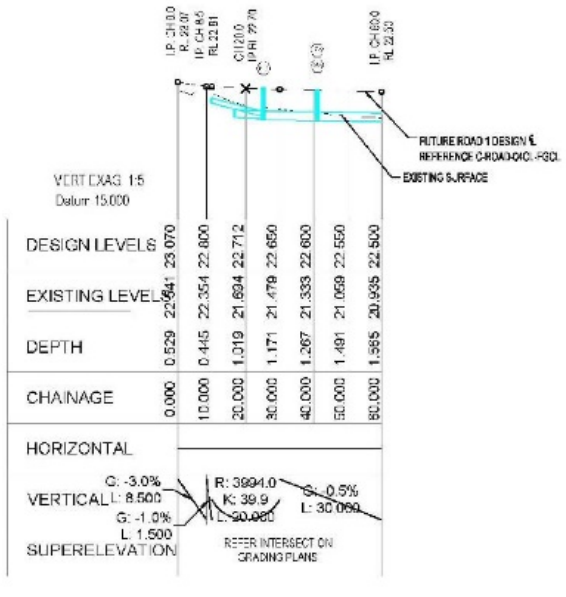
3. SERVICE INSTALLATION
3.1. THE CONTRACTOR SHALL SUPPLY AND INSTALL UNDERGROUND POWER DUCTS IN THE LOCATIONS SHOWN ON THE POWER PLANS.
3.2. THE CONTRACTOR SHALL LIAISE WITH THE ATCO GAS FOR THE TIMELY INSTALLATION OF ANY ROAD CROSSINGS.
3.3. THE CONTRACTOR SHALL LIAISE WITH NBN FOR TIMELY INSTALLATION OF ANY ROAD CROSSINGS.

4. IRRIGATION DUCTS
4.1. ALL DUCTS TO EXTEND 1.0m MIN BEYOND BACK OF KERB OR FOOTPATH WITH ENDS CAPPED OR SEALED WITH DUCT TAPE.
4.2. MINIMUM COVER SHALL BE 750mm.
4.3. DUCT LOCATIONS TO BE MARKED ON BOTH SIDES OF KERB.
4.4. CONTRACTOR SHALL PROVIDE AN "IRRIGATION DUCT LOCATION PLAN" DETAILING END LOCATION (AS MEASURED FROM LOT BOUNDARY P=90) AND DETAIL OF ALL IRRIGATION DUCTS.

5. TEMPORARY GUIDE POSTS
5.1. TEMPORARY GUIDE POSTS TO BE INSTALLED AT 4m SPACING AROUND TEMPORARY TURNAROUND. POSTS TO BE WHITE IN COLOUR AND HAVE RED AND WHITE REFLECTIVE PANELS TO MRWA STANDARDS.

LEGEND

- FUTURE CADASTRAL
- CADASTRAL OTHERS
- POST NO KERB
- PROPOSED KERB
- FUTURE KERB (CITY OF GOSNELLS)
- PROPOSED RAMP
- PROPOSED 2.0m SHARED USE PATH
- PROPOSED 2.5m SHARED USE PATH
- PROPOSED FALK PAVING
- PROPOSED BICYCLE ON/OFF-RAMP
- EXISTING TREE TO BE RETAINED



FUTURE ROAD 1 PROFILE
H 1:1000
V 1:100

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REV	DESCRIPTION	DRW	DSN	VER	APPROVED	DATE
C	FINAL ISSUE	DPA	DPA	VE	V. EDWARDS	19/12/19
B	ISSUED FOR 85% DESIGN APPROVAL	DPA	DPA	VE	V. EDWARDS	15/10/19
A	ISSUED FOR INFORMATION	DPA	DPA	VE	V. EDWARDS	25/07/19

CITY OF GOSNELLS
ARCHITECTS/JOINT

A1 @ 1:400 (A3 @ 1:800)
A1 @ 1:200 (A3 @ 1:400)

MAP/GRID	COORDINATES	DATUM
PCG94		mAHD

CLIENT
CITY OF GOSNELLS
PROJECT
SOUTHERN RIVER - PRECINCT 3
TITLE
ROADWORKS PLAN AND PROFILE- SHEET 1

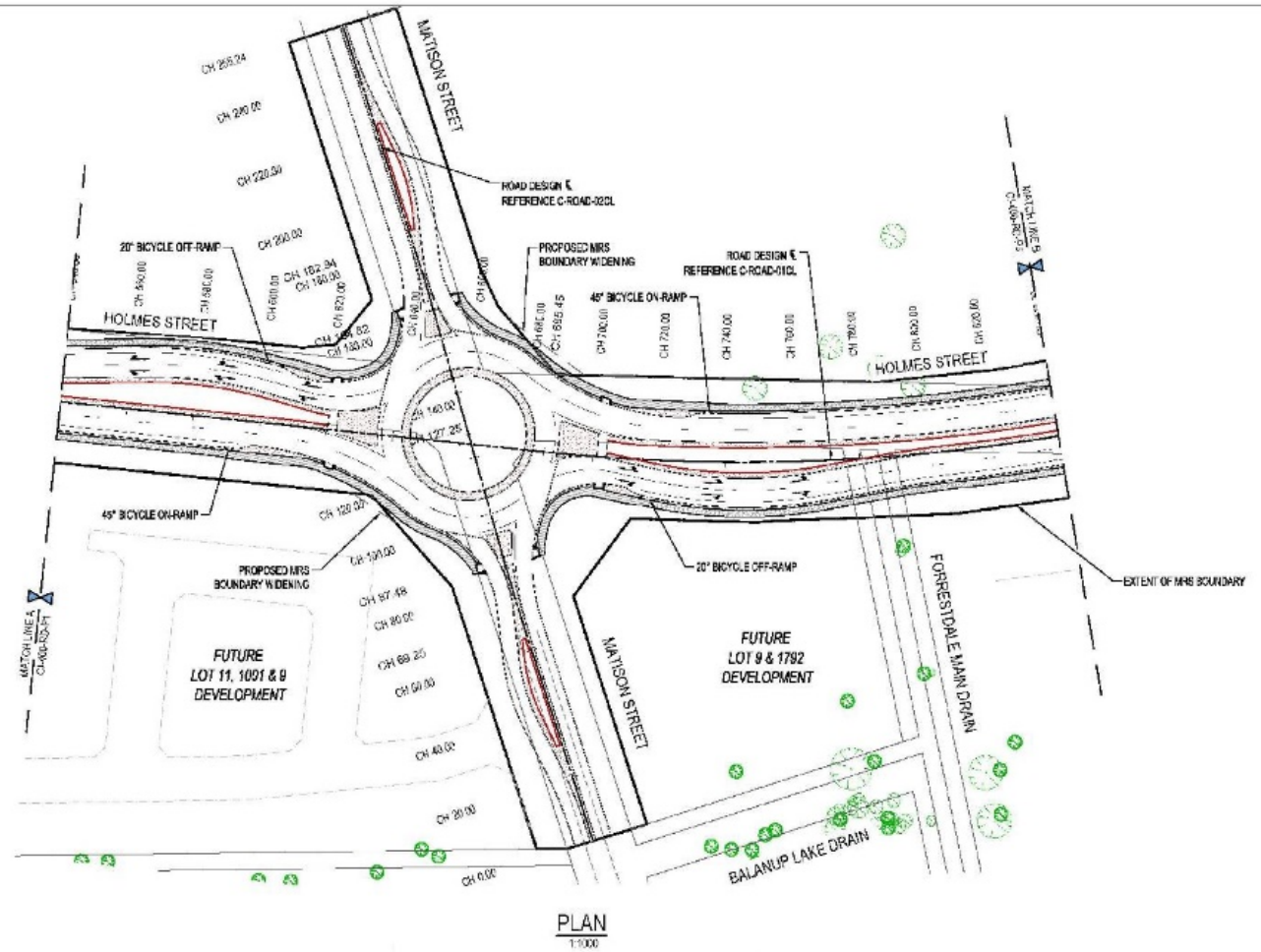
WOOD & GRIEVE ENGINEERS
Stantec

APPROVAL
NOT FOR CONSTRUCTION
CIVIL

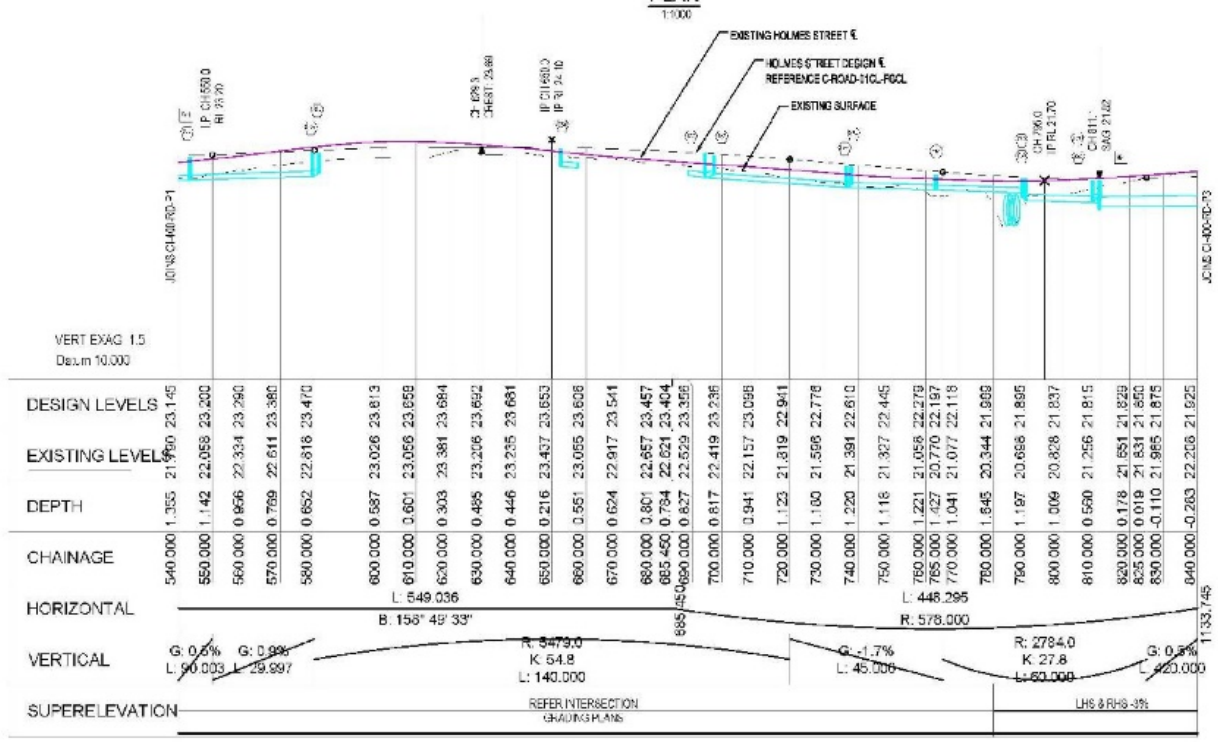
PROJECT No.	DRAWING No.	REV.
41108	CI-400-RD-P1	C

Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

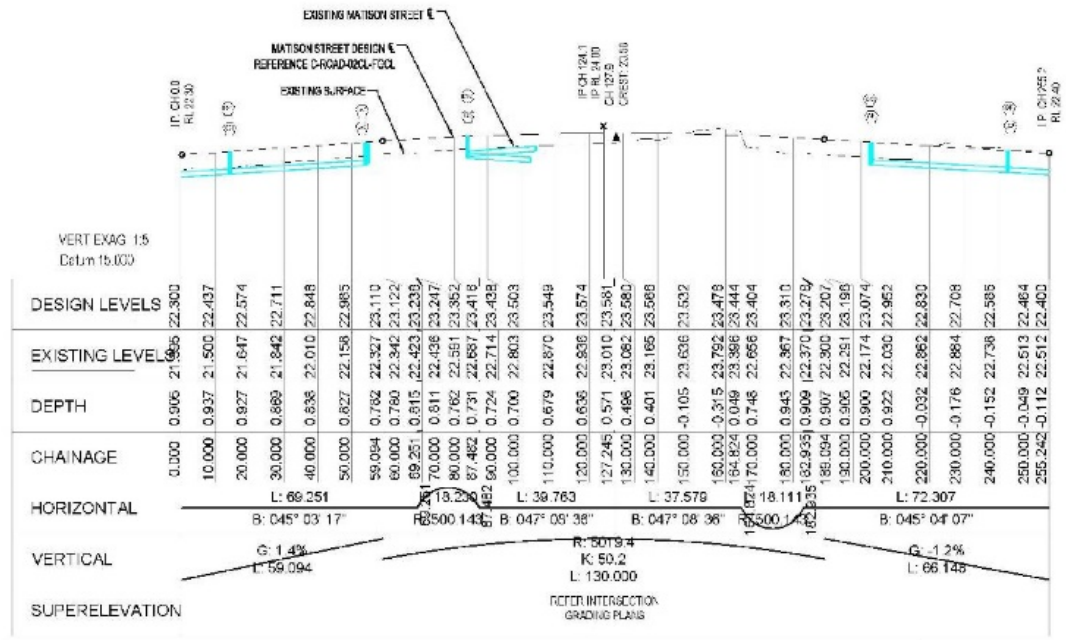
REFER TO DRAWING C-400-RD-P1 FOR NOTES AND LEGEND



PLAN
1:1000



HOLMES STREET PROFILE
H 1:1000
V 1:200



MATISON STREET PROFILE
H 1:1000
V 1:200

DIAL BEFORE YOU DIG
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REV	DESCRIPTION	DRW	DSN	VER	APPROVED	DATE
C	FINAL ISSUE	DPA	DPA	VE	V. EDWARDS	19/12/19
B	ISSUED FOR 85% DESIGN APPROVAL	DPA	DPA	VE	V. EDWARDS	15/10/19
A	ISSUED FOR INFORMATION	DPA	DPA	VE	V. EDWARDS	05/07/19

CITY OF GOSNELLS
ARCHITECTS JOINT

A1 @ 1:1000 (A3 @ 1:2000)
A1 @ 1:200 (A3 @ 1:400)

#MGA 94	COORDINATES	PCG94	DATUM	mAHD

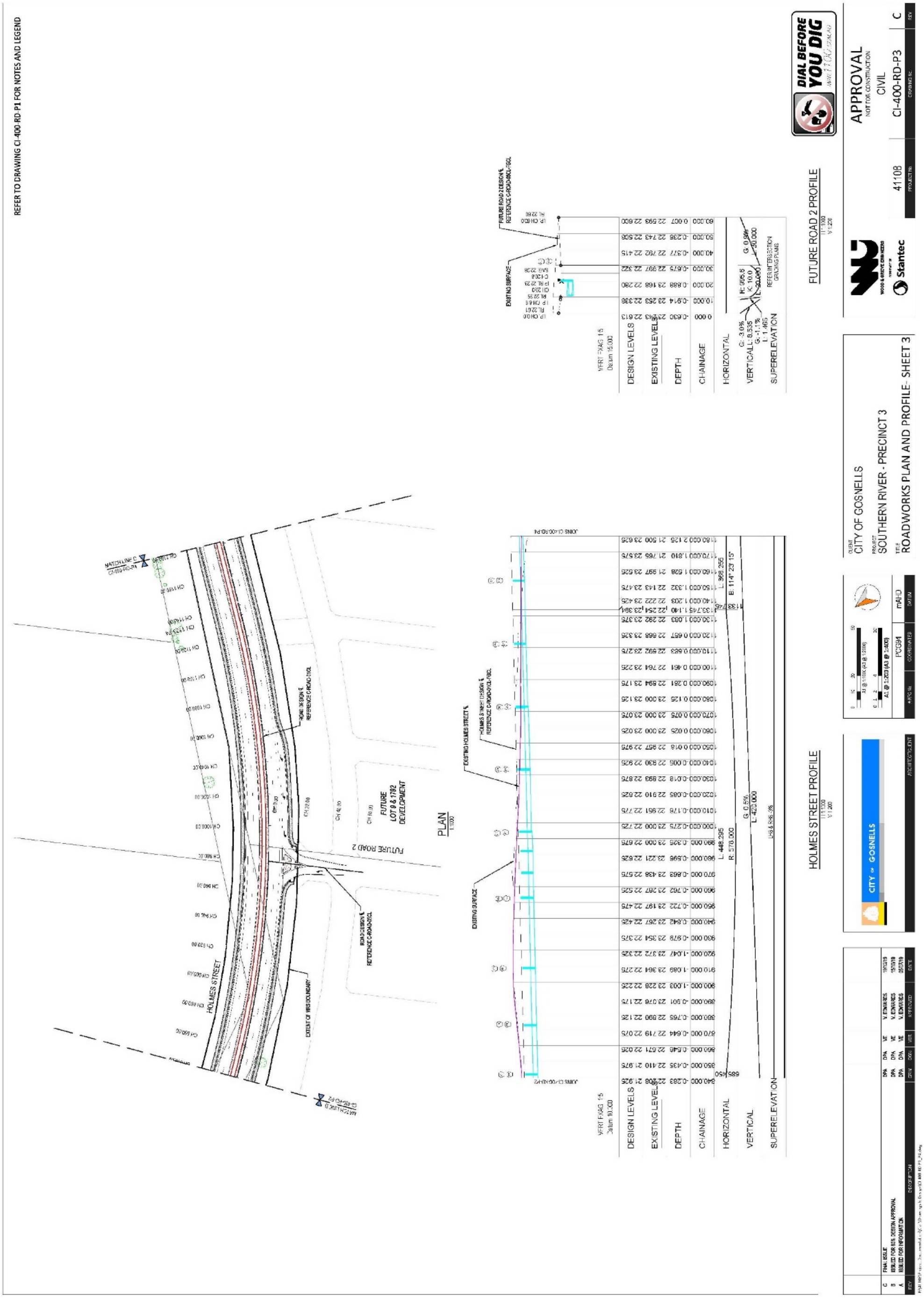
CLIENT
CITY OF GOSNELLS
PROJECT
SOUTHERN RIVER - PRECINCT 3
TITLE
ROADWORKS PLAN AND PROFILE- SHEET 2

WOOD & GRIEVE ENGINEERS
Stantec

APPROVAL
NOT FOR CONSTRUCTION
CIVIL

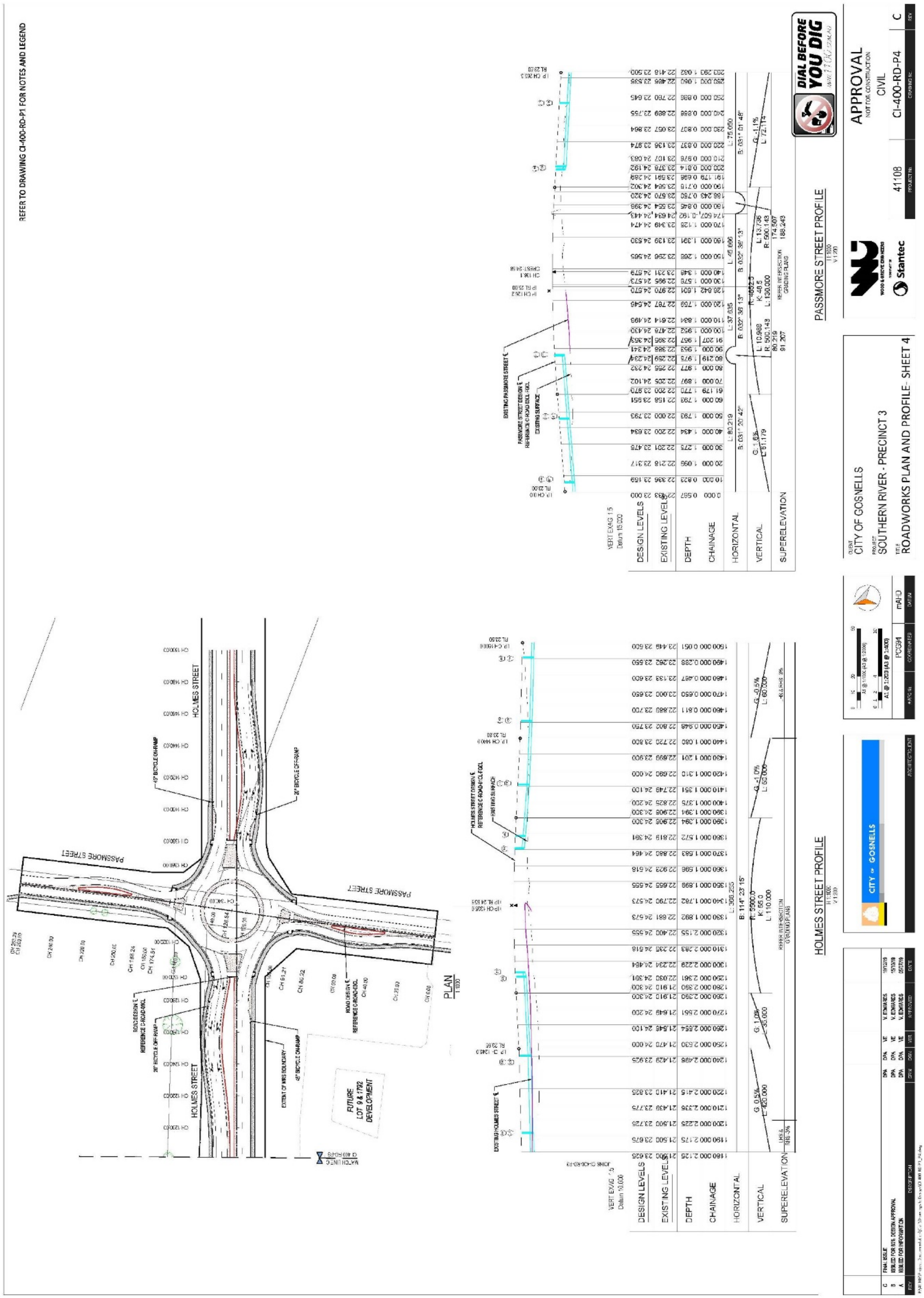
PROJECT No.	DRAWING No.	REV.
41108	CI-400-RD-P2	C

Roadworks Plan and Profile 3



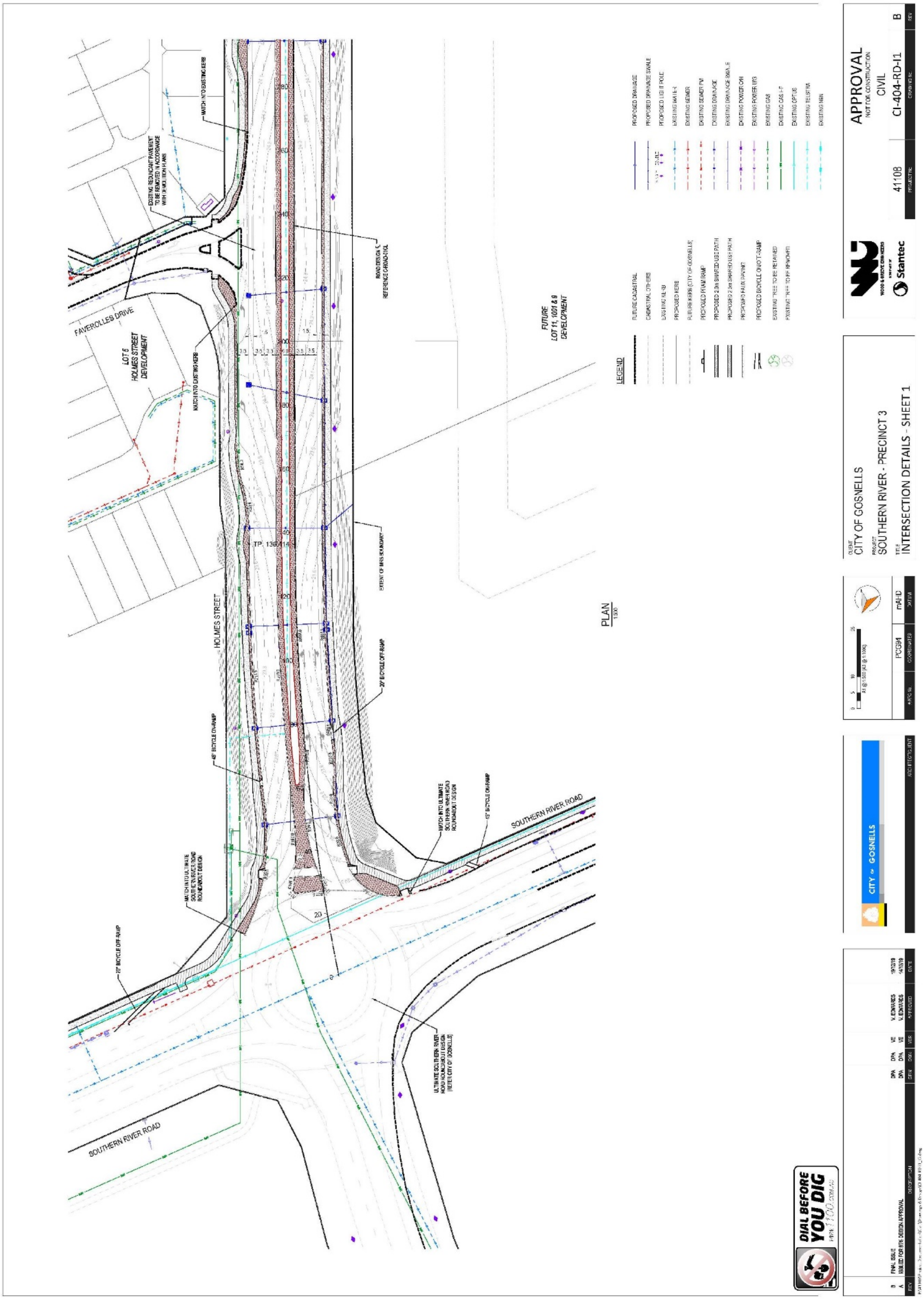
Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Roadworks Plan and Profile 4



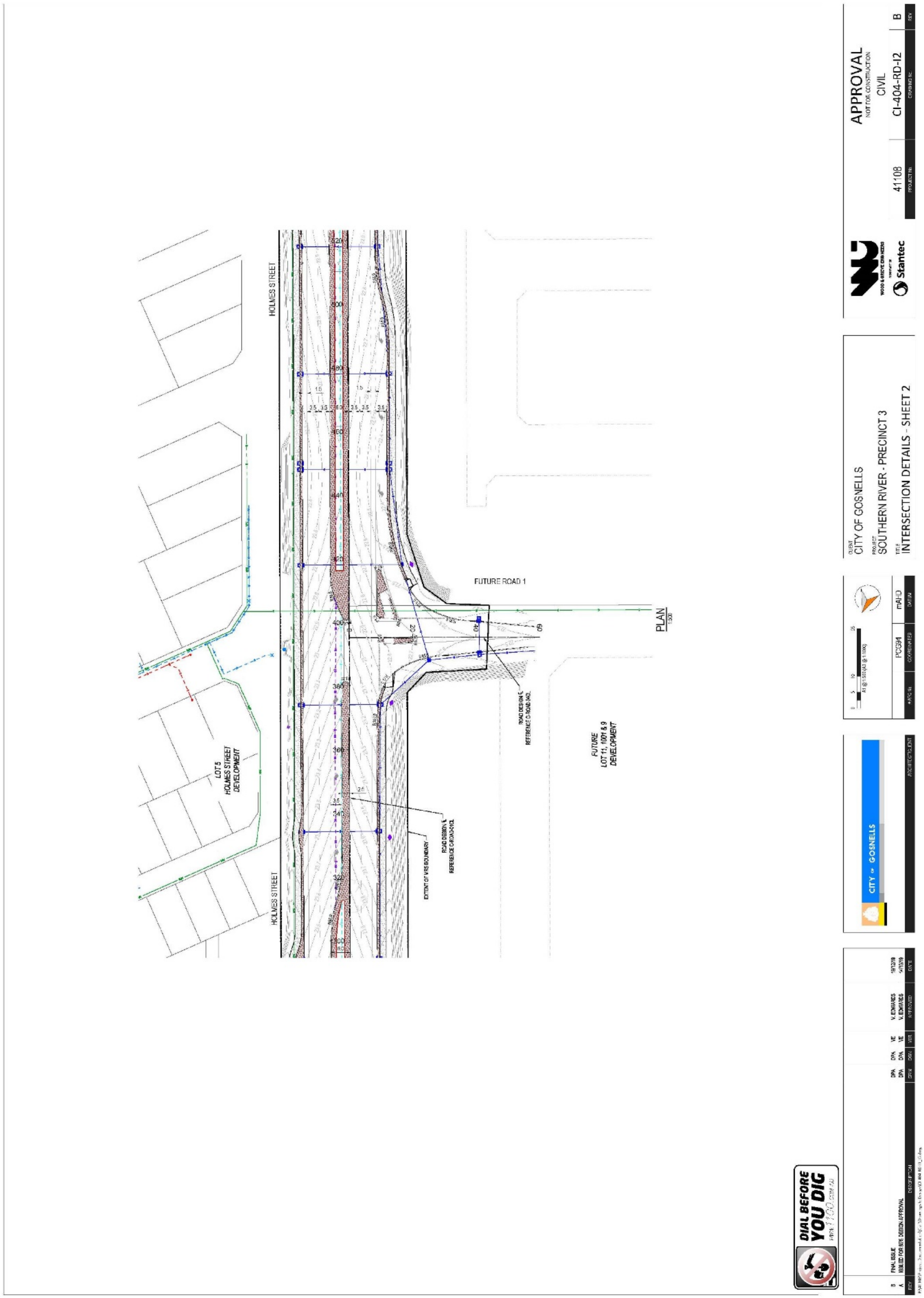
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Intersection Details 1



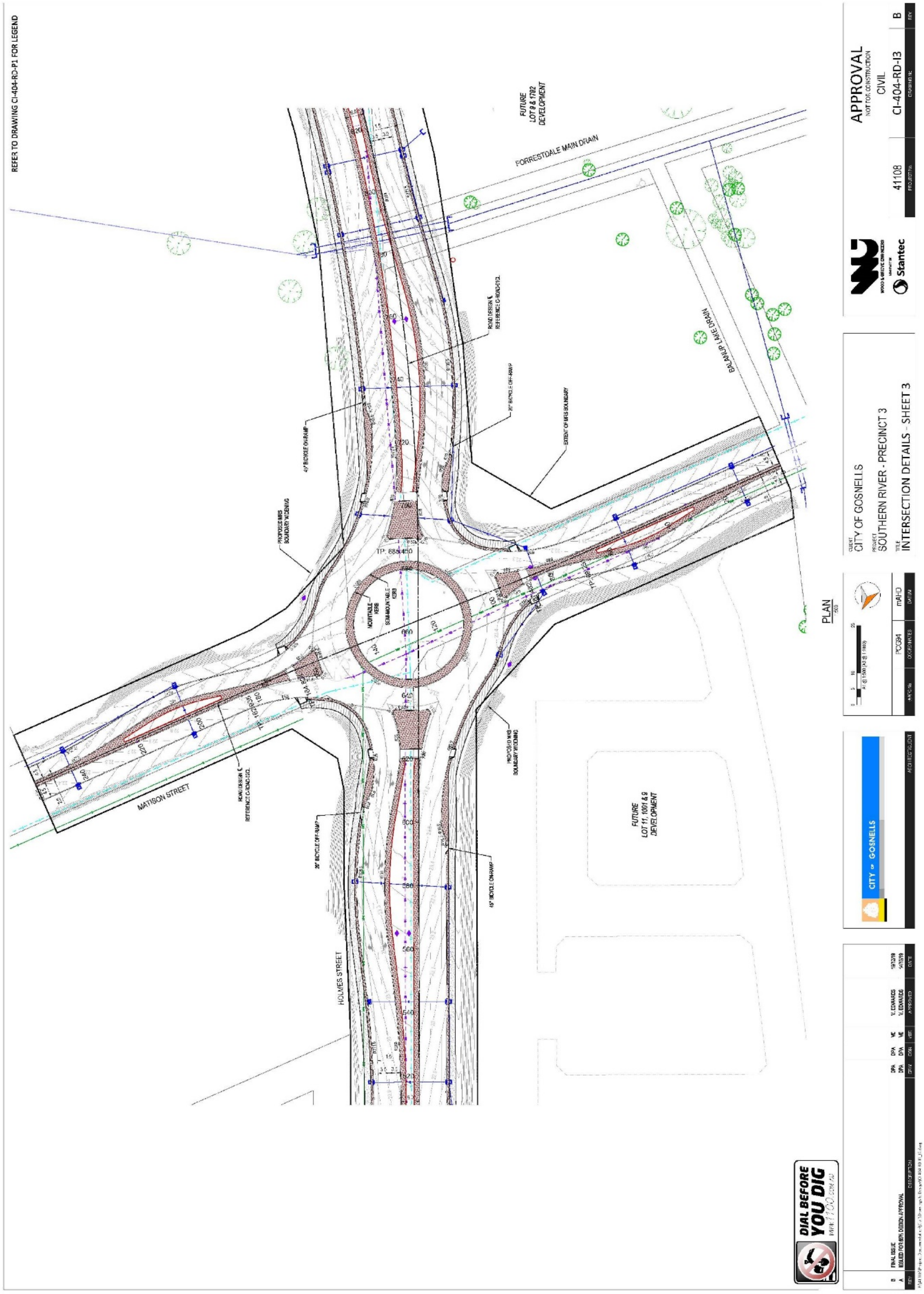
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Version: 1, Version Date: 20/10/2026

Intersection Details 2



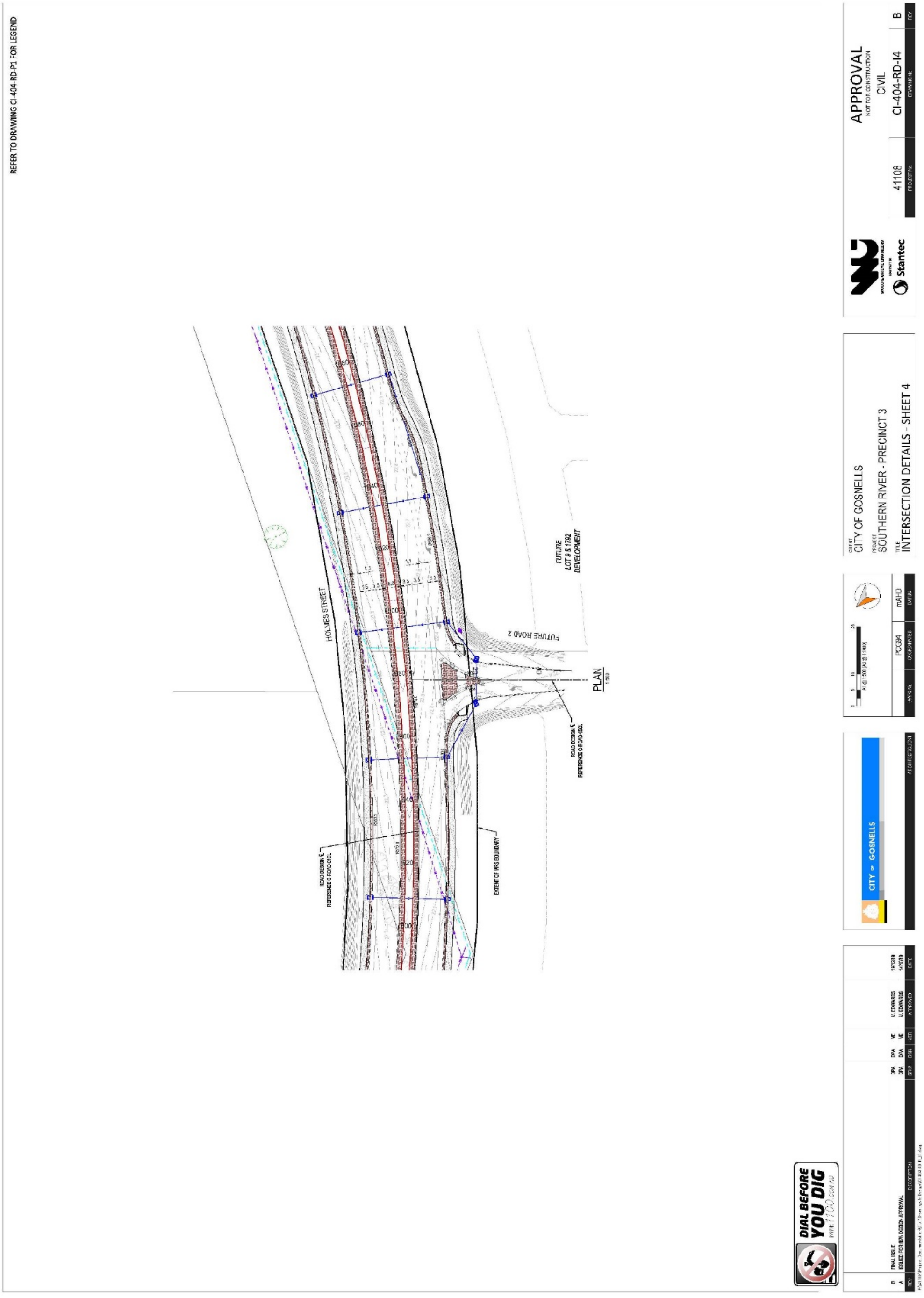
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Intersection Details 3



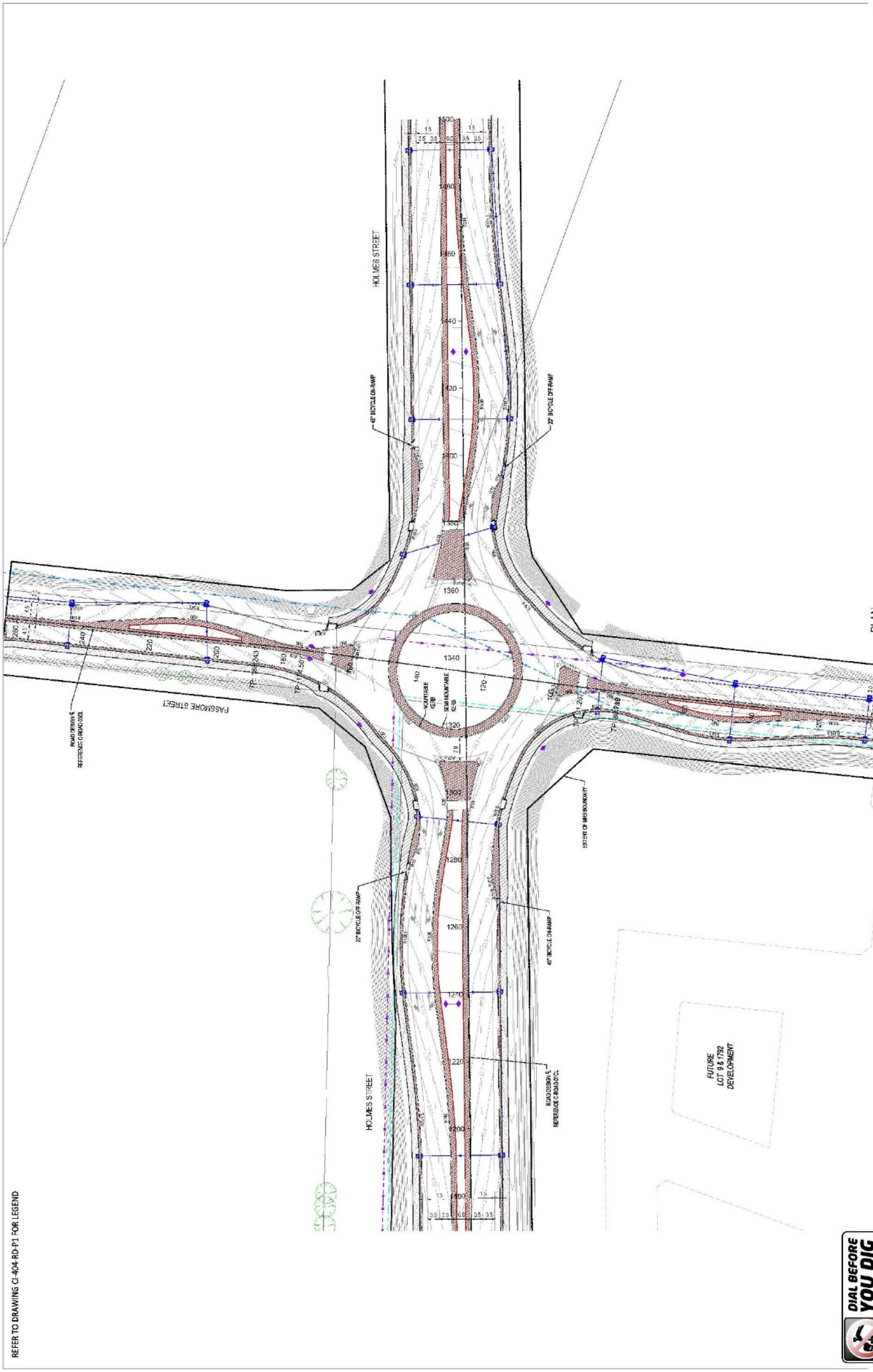
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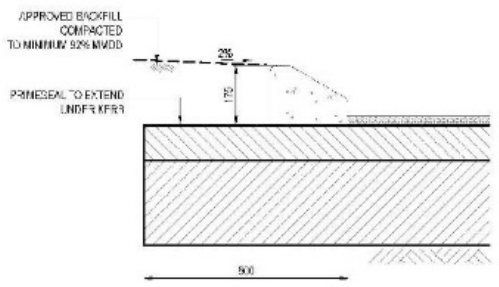
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Intersection Details 5

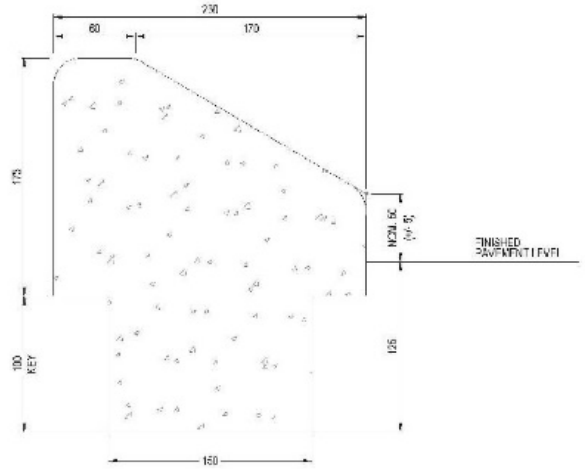


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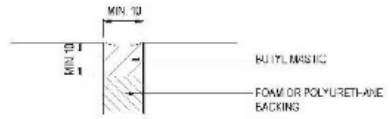
SEMI MOUNTABLE KERB DETAIL
SCALE 1:10



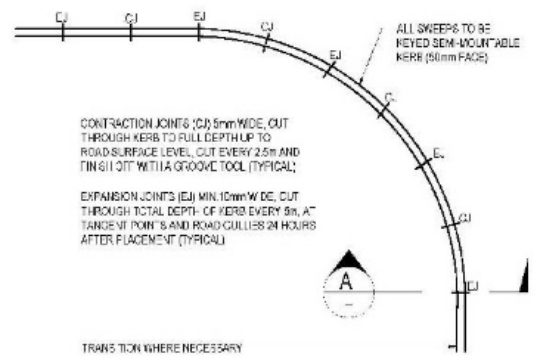
SEMI MOUNTABLE KERB DETAIL (KEYED)
SEE NOTE 11
SCALE 1:250



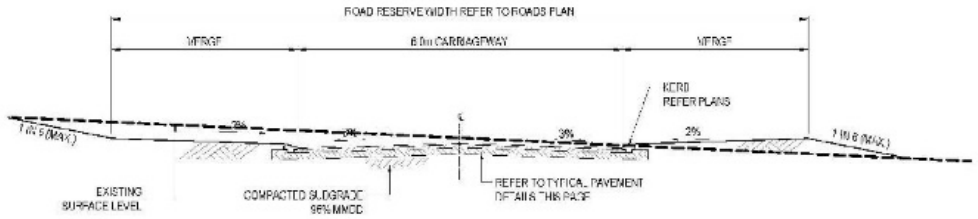
SECTION A-A EXPANSION JOINT
SCALE 1:10



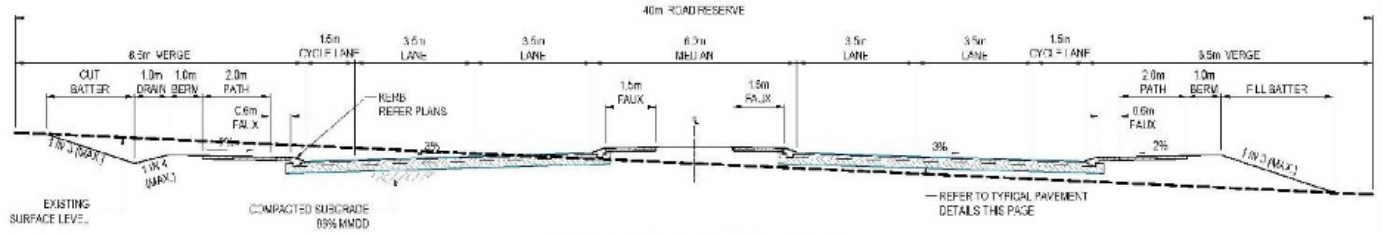
KERB EXPANSION JOINT DETAIL
N.T.S.



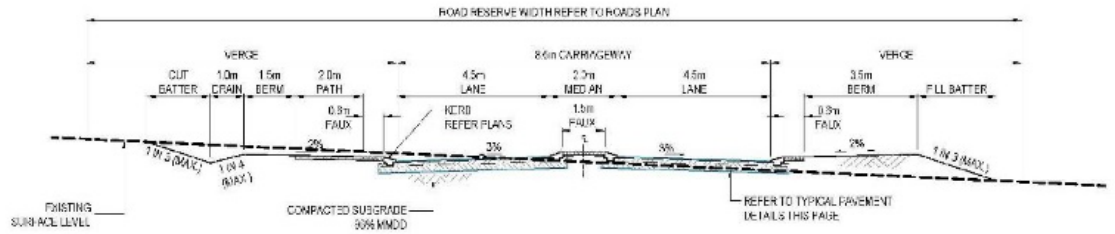
PLAN OF EXPANSION JOINT DETAIL
N.T.S.



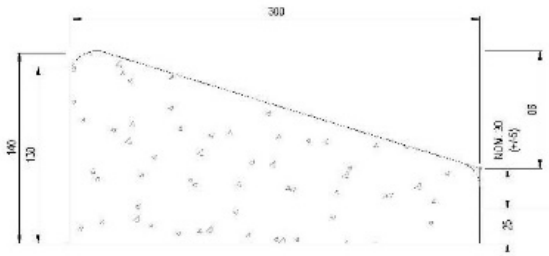
TYPICAL ROAD CROSS SECTION 1
FUTURE ROAD 1 AND FUTURE ROAD 2
N.T.S



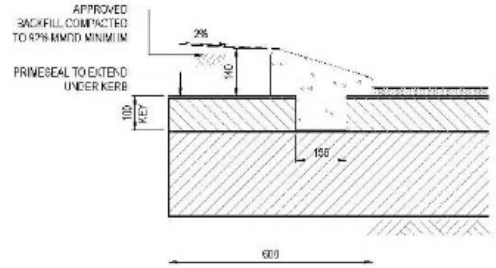
TYPICAL ROAD CROSS SECTION 2
HOLMES STREET
N.T.S



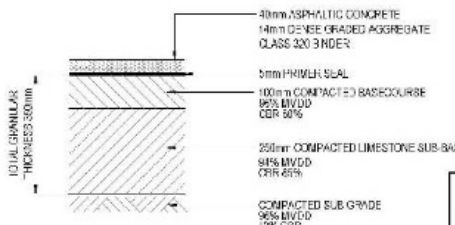
TYPICAL ROAD CROSS SECTION 3
MATISON STREET AND PASSMORE STREET
N.T.S



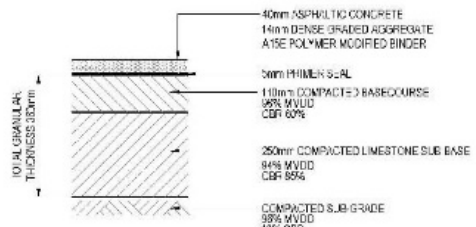
MOUNTABLE KERB DETAIL
SCALE 1:250



MOUNTABLE KERB (KEYED)
SCALE 1:10



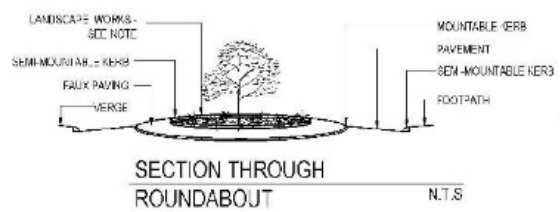
TYPICAL PAVEMENT DETAIL
SCALE 1:10



INTERSECTION PAVEMENT DETAIL
SCALE 1:10

PAVEMENT NOTE

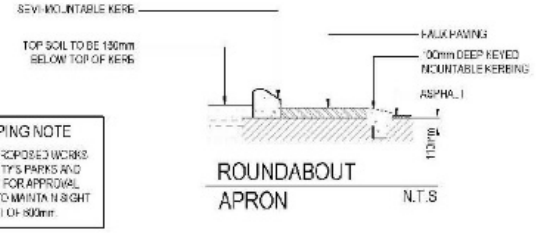
1. ALL PAVEMENTS TO BE IN ACCORDANCE WITH MRWA SPECIFICATION 501 AND DOUGLAS PARTNERS GEOTECHNICAL INVESTIGATION 199592.00R.001.Rev0 AUGUST 2019



SECTION THROUGH ROUNDABOUT
N.T.S

ROUNDABOUT LANDSCAPING NOTE

1. A LANDSCAPE PLAN FOR ALL PROPOSED WORKS IS TO BE SUBMITTED TO THE CITY'S PARKS AND ENVIRONMENTAL OPERATIONS FOR APPROVAL.
2. ALL LANDSCAPE WORKS ARE TO MAINTAIN SIGHT LINES WITH A MAXIMUM HEIGHT OF 800mm.



ROUNDABOUT APRON
N.T.S

NOTES

1. EXPANSION JOINTS AND CONTRACTION JOINTS SHALL BE IN ACCORDANCE WITH THE SPACINGS
2. APPROVED BACKFILL BEHIND KERB SHALL BE COMPACTED TO A MINIMUM 92% MMDD
3. KERBING ALONG WITH EXPANSION AND CONTRACTION JOINTS SHALL BE CONSTRUCTED PRIOR TO LAYING OF BRICK PAVING
4. CONTRACTION JOINTS AT MAXIMUM 2.5m CENTRES
5. EXPANSION JOINTS AT 6m CENTRES
6. KERB JOINTS TO COINCIDE WITH FOOTPATH JOINTS WHERE POSSIBLE (REFER TO DS-49)
7. ALL KERB PROFILE RADII ARE 20mm UNLESS OTHERWISE ADVISED
8. KERBING TO BE EXTRUDED USING 32MPa GRADE CONCRETE IN ACCORDANCE WITH AS1379 WITH MICRO SYNTHETIC FIBRE REINFORCEMENT AT A MIXING RATE OF 0.9kg/m³
9. WHERE KERB TO BE BOXED IN AFTER PRIME SEAL, BOXED EDGES TO BE RESEALED AFTER KERBING HAS BEEN PLACED
10. ALL KERBING ON A KERB ALIGNMENT RADIUS OF LESS THAN 40m SHALL BE KEYED EXCEPT WHERE CONCRETE PATH IS INSTALLED BACK OF KERB
11. ENSURE REAR PROFILE OF KERB IS VERTICAL & ALL EXCESS MATERIALS ARE REMOVED
12. PAVEMENT DESIGN SUBJECT TO CITY OF GOSNELLS APPROVAL

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REV	DESCRIPTION	DRW	DSN	VER	APPROVED	DATE
B	FINAL ISSUE	DPA	DPA	VE	V. EDWARDS	16/12/19
A	ISSUED FOR 85% DESIGN APPROVAL	DP	DP	VE	V. EDWARDS	14/10/19

CITY OF GOSNELLS
ARCHITECT/JOINT

A1 @ 1:250 (A3 @ 1:500)
A1 @ 1:10 (A3 @ 1:20)
MGA94 | PCG94 | mAHD
DATUM | COORDINATES | DATUM

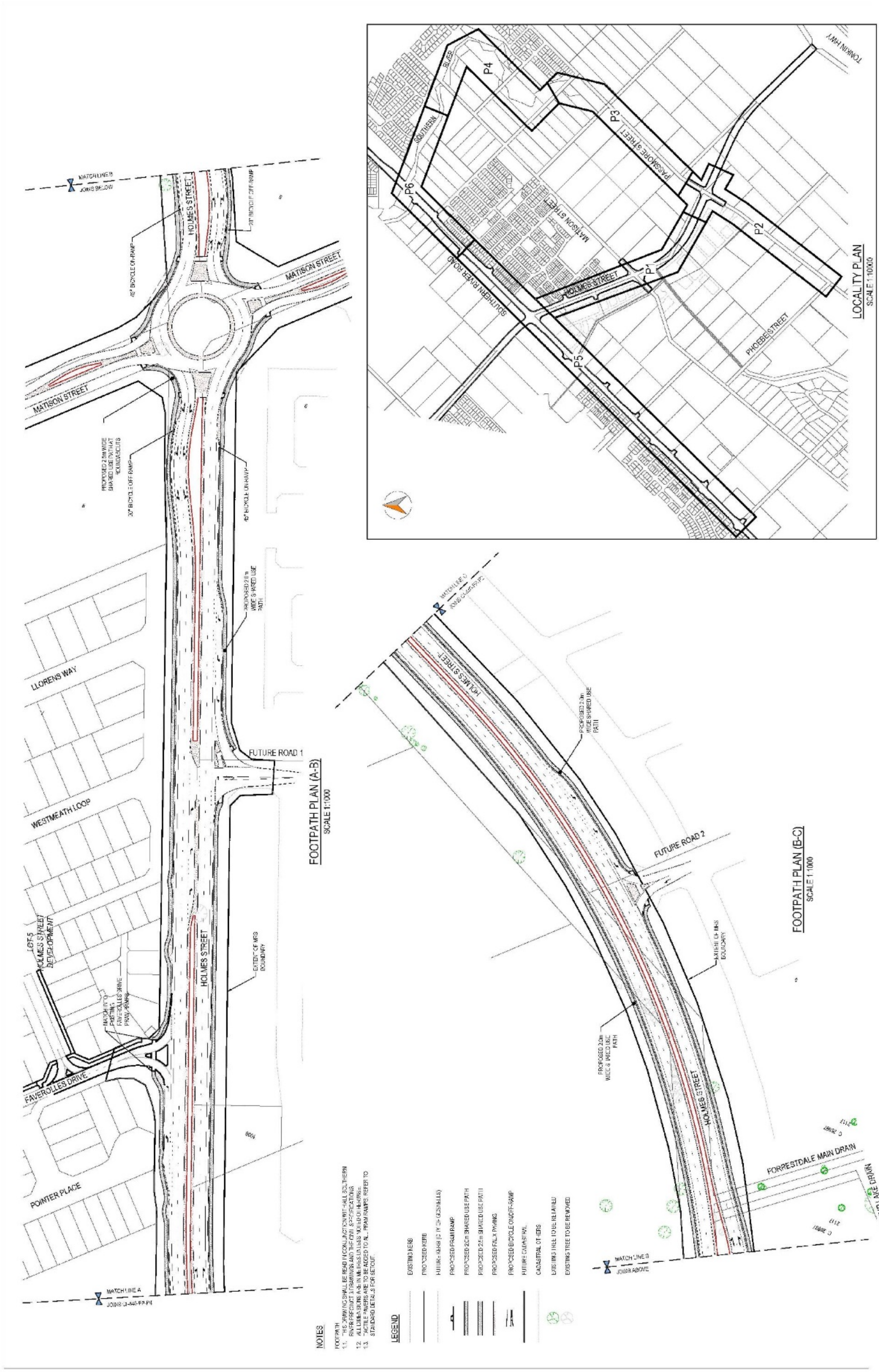
CLIENT: CITY OF GOSNELLS
PROJECT: SOUTHERN RIVER - PRECINCT 3
TITLE: ROAD DETAILS - SHEET 1

WOOD & GRIEVE ENGINEERS
Stantec

APPROVAL
NOT FOR CONSTRUCTION
CIVIL

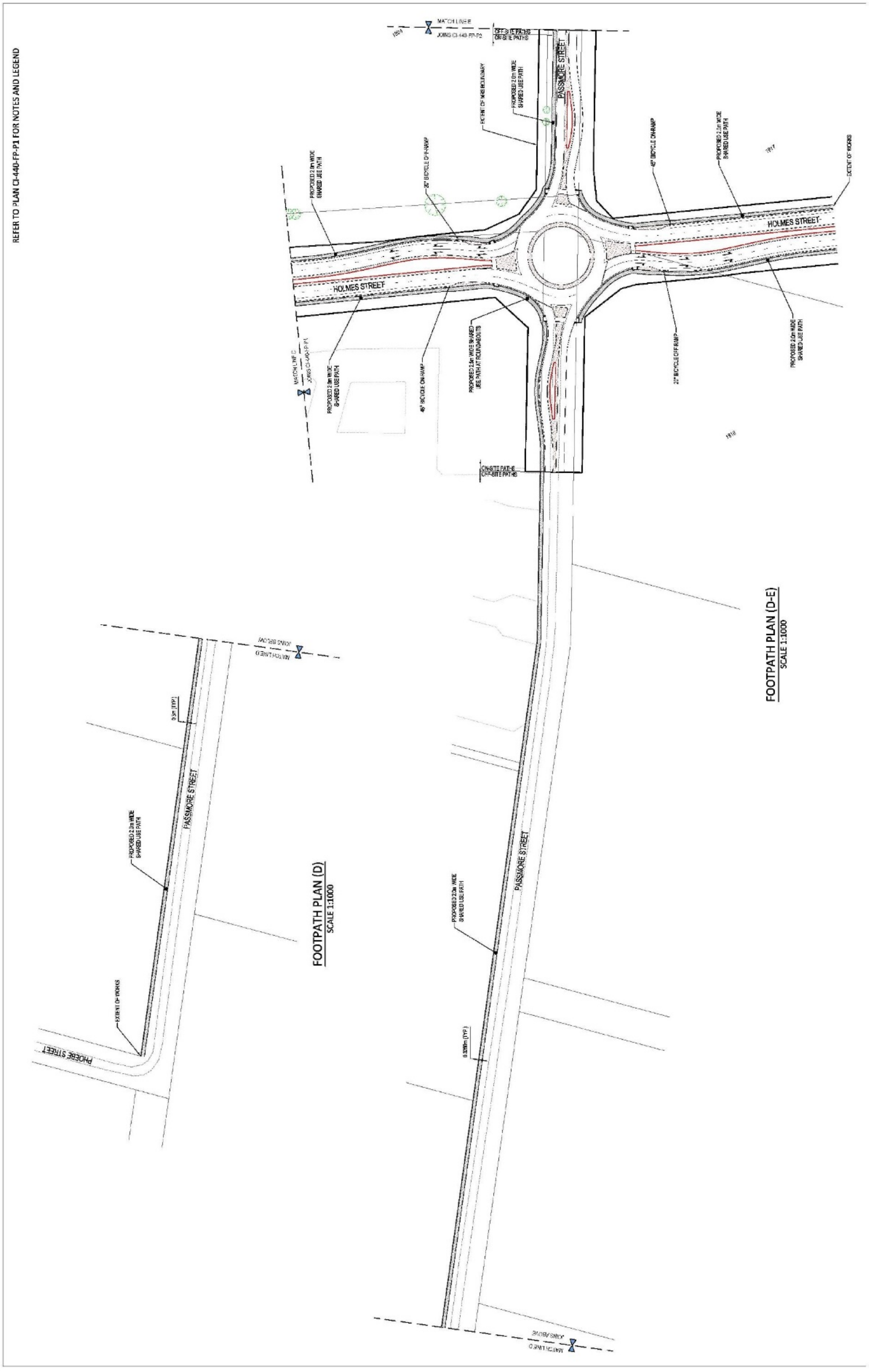
PROJECT No.	DRAWING No.	REV
41108	C-406-RD-D1	B

Footpath Plan 1



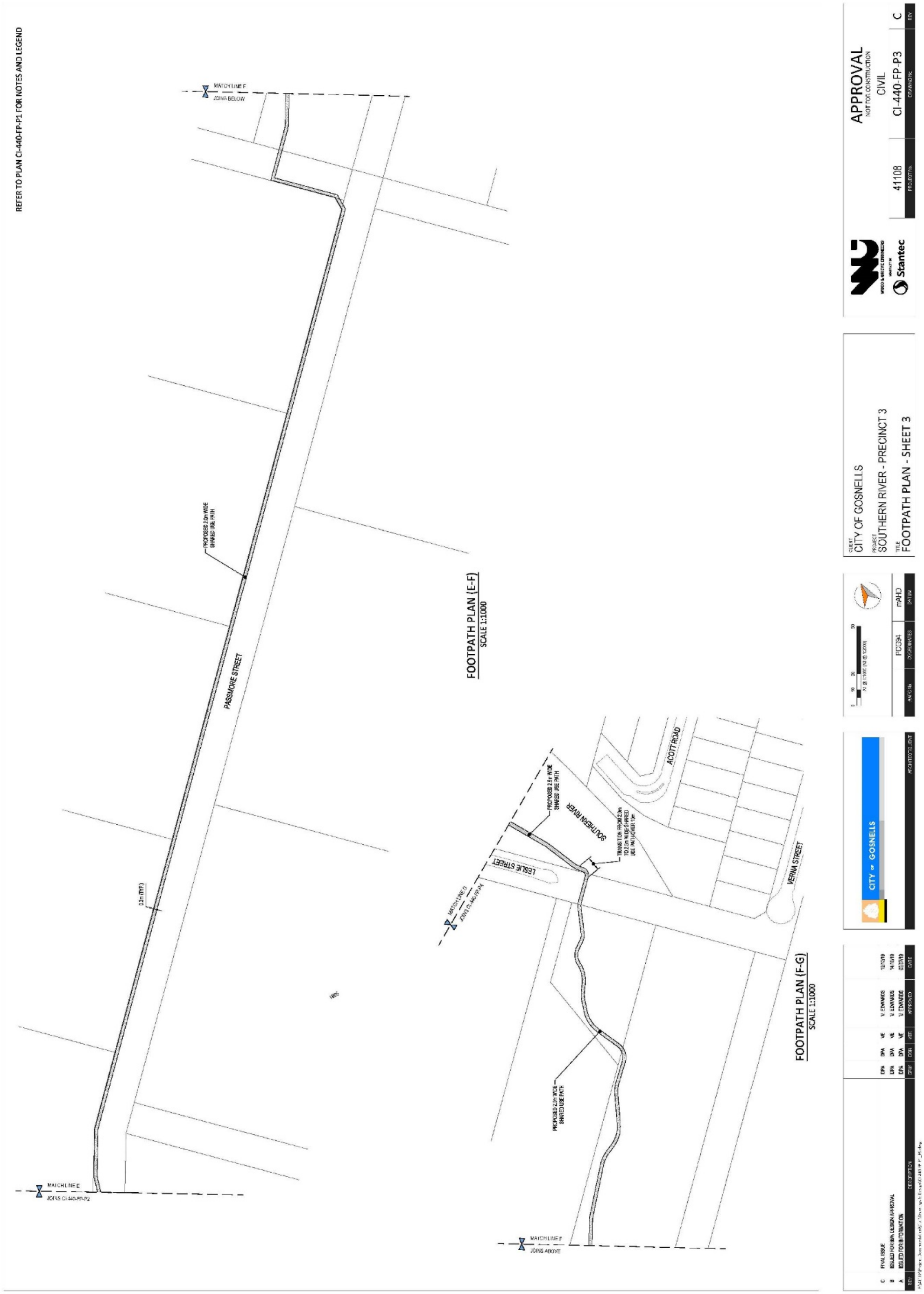
Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Footpath Plan 2



Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Footpath Plan 3



Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026



FOOTPATH PLAN (G-H)
SCALE 1:1000

REV	DESCRIPTION	DRW	DSN	VER	APPROVED	DATE
C	FINAL ISSUE	DPA	DPA	VE	V. EDWARDS	19/12/19
B	ISSUED FOR 95% DESIGN APPROVAL	DPA	DPA	VE	V. EDWARDS	14/10/19
A	ISSUED FOR INFORMATION	DPA	DPA	VE	V. EDWARDS	05/07/19

CITY OF GOSNELLS
ARCHITECT/CONSULTANT

0 10 20 50
A1 @ 1:1000 (A3 @ 1:2000)

PCG94 | mAHD
MGA Grid No | COORDINATES | DATUM

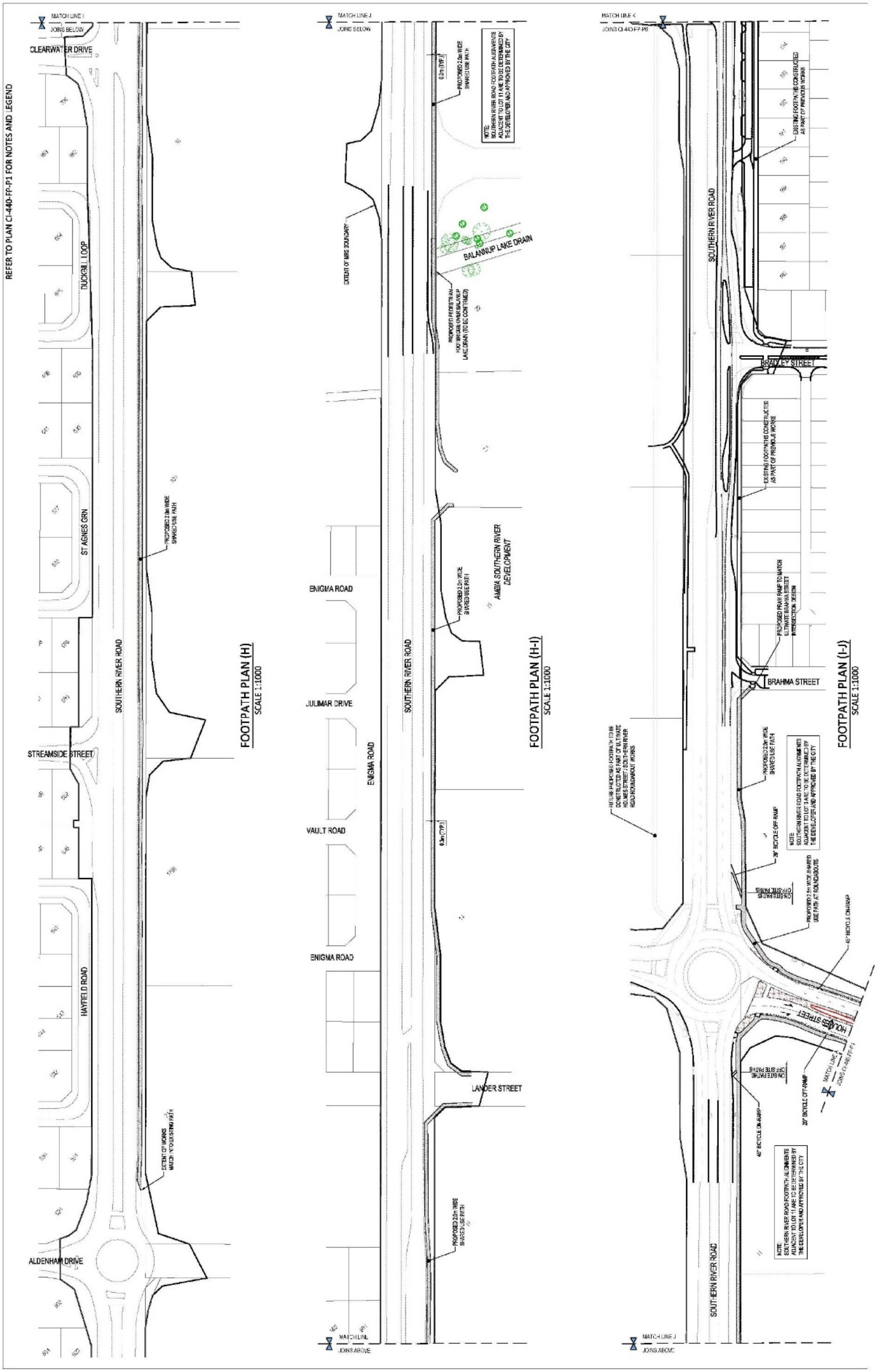
CLIENT
CITY OF GOSNELLS
PROJECT
SOUTHERN RIVER - PRECINCT 3
TITLE
FOOTPATH PLAN - SHEET 4

WOOD & GRIEVE ENGINEERS
PART OF
Stantec

APPROVAL
NOT FOR CONSTRUCTION
CIVIL

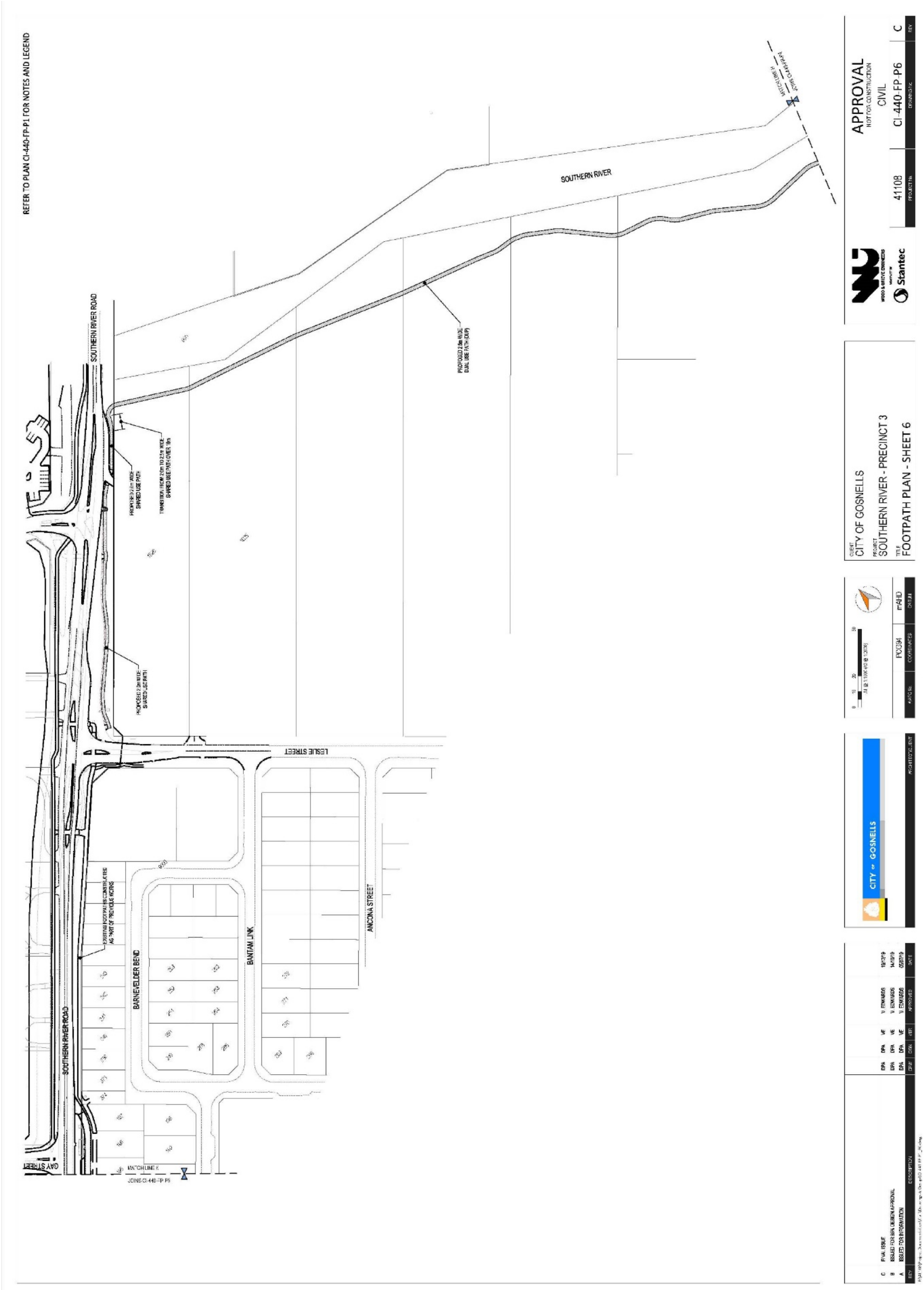
41108	CI-440-FP-P4	C
PROJECT No.	DRAWING No.	REV

Footpath Plan 5



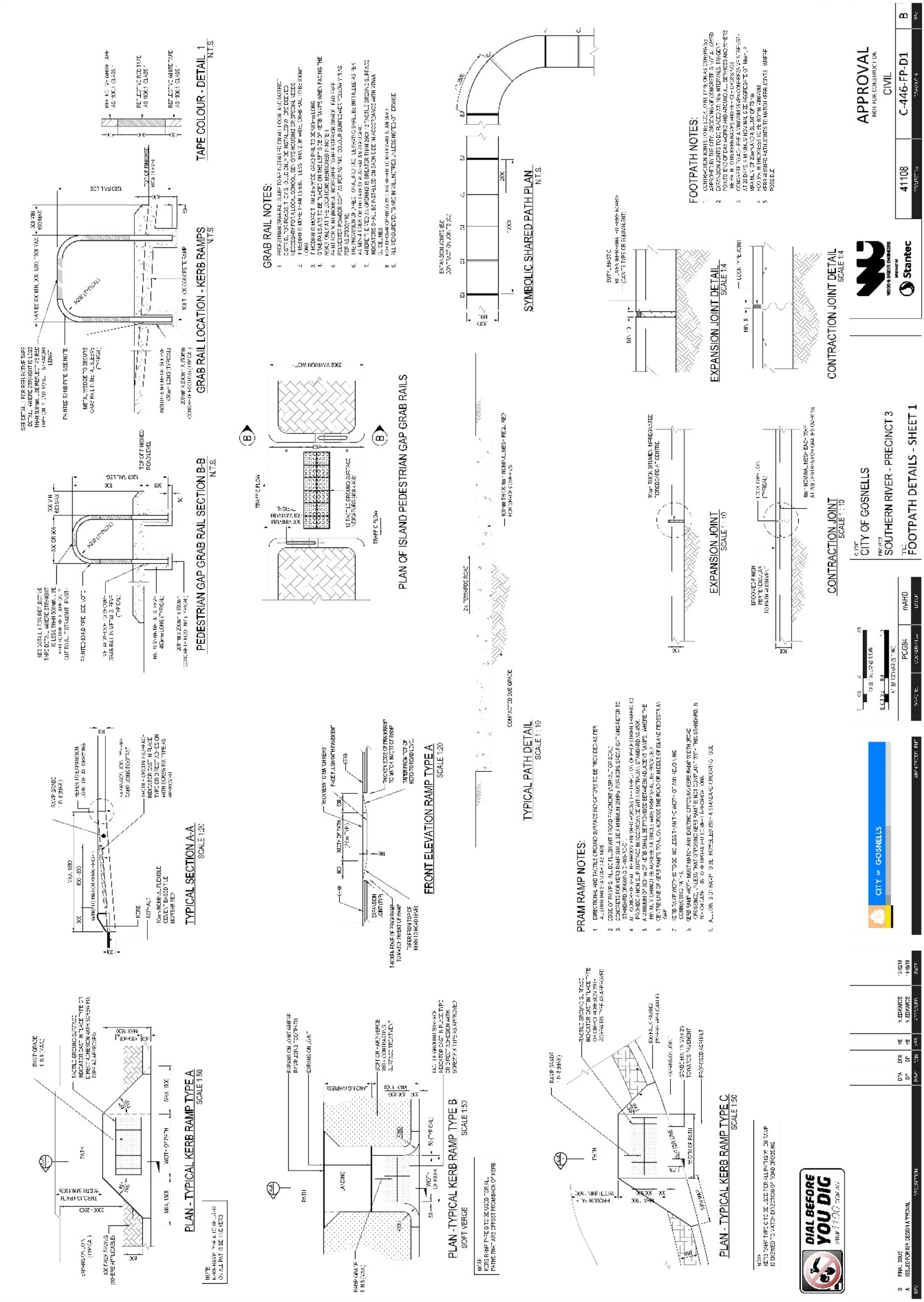
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Version: 1, Version Date: 20/10/2026

Footpath Plan 6



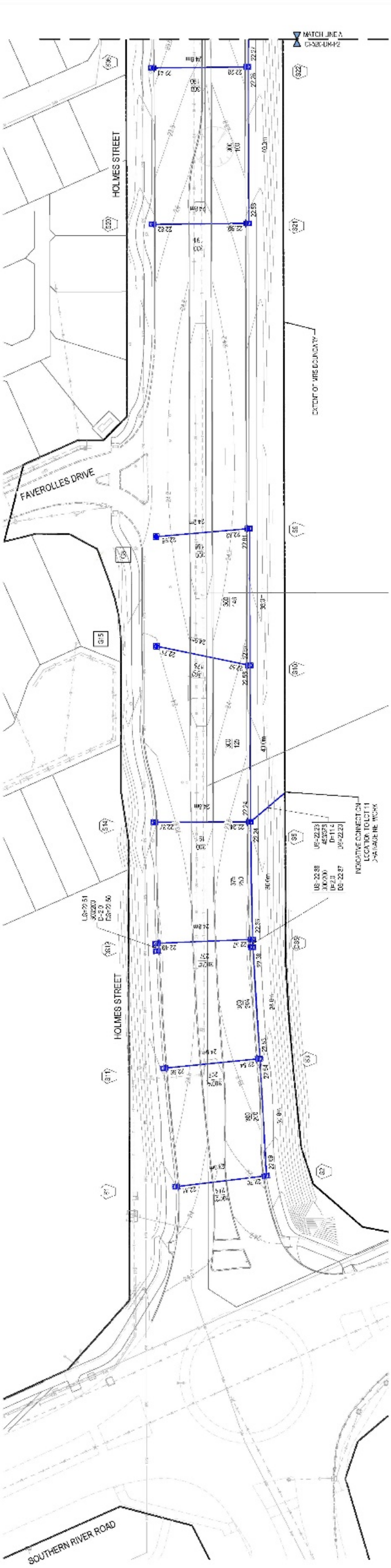
Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Footpath Details Plan 3



Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Drainage Plan 1



PLAN

LEGEND

NOTES

NOTATION

APPROVAL
NOT FOR CONSTRUCTION

WOOD & GRIEVE ENGINEERS
Stantec

41108 | CI-520-DR-P1 | B

CITY OF GOSNELLS
SOUTHERN RIVER - PRECINCT 3
DRAINAGE PLAN - SHEET 1

PCG94 | mAHD

CITY OF GOSNELLS

B	FINAL ISSUE	DPA	V. EDWARDS	19/12/19
A	ISSUED FOR 85% DESIGN APPROVAL	DPA	V. EDWARDS	14/10/19

DIAL BEFORE YOU DIG

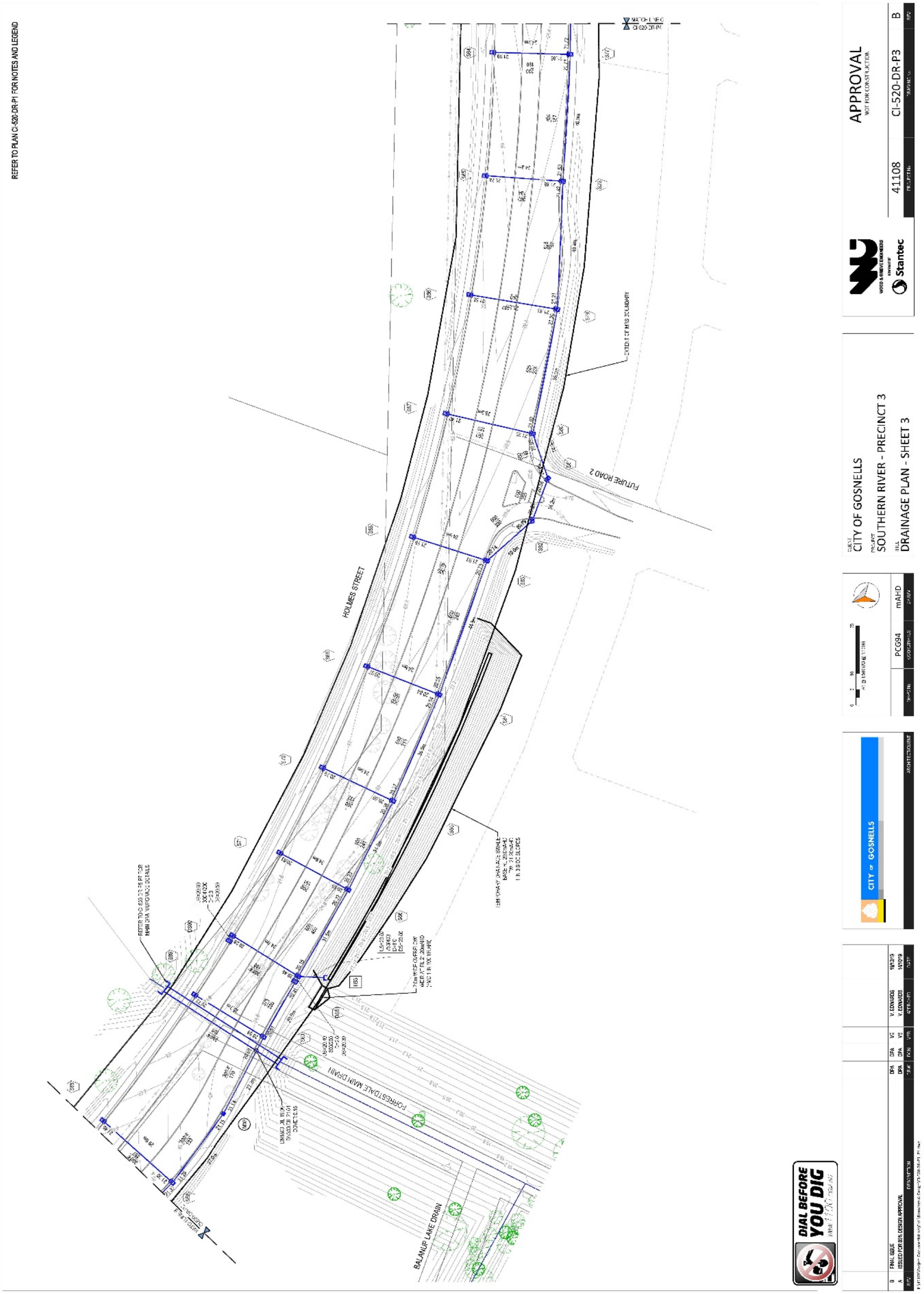
Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Drainage Plan 2



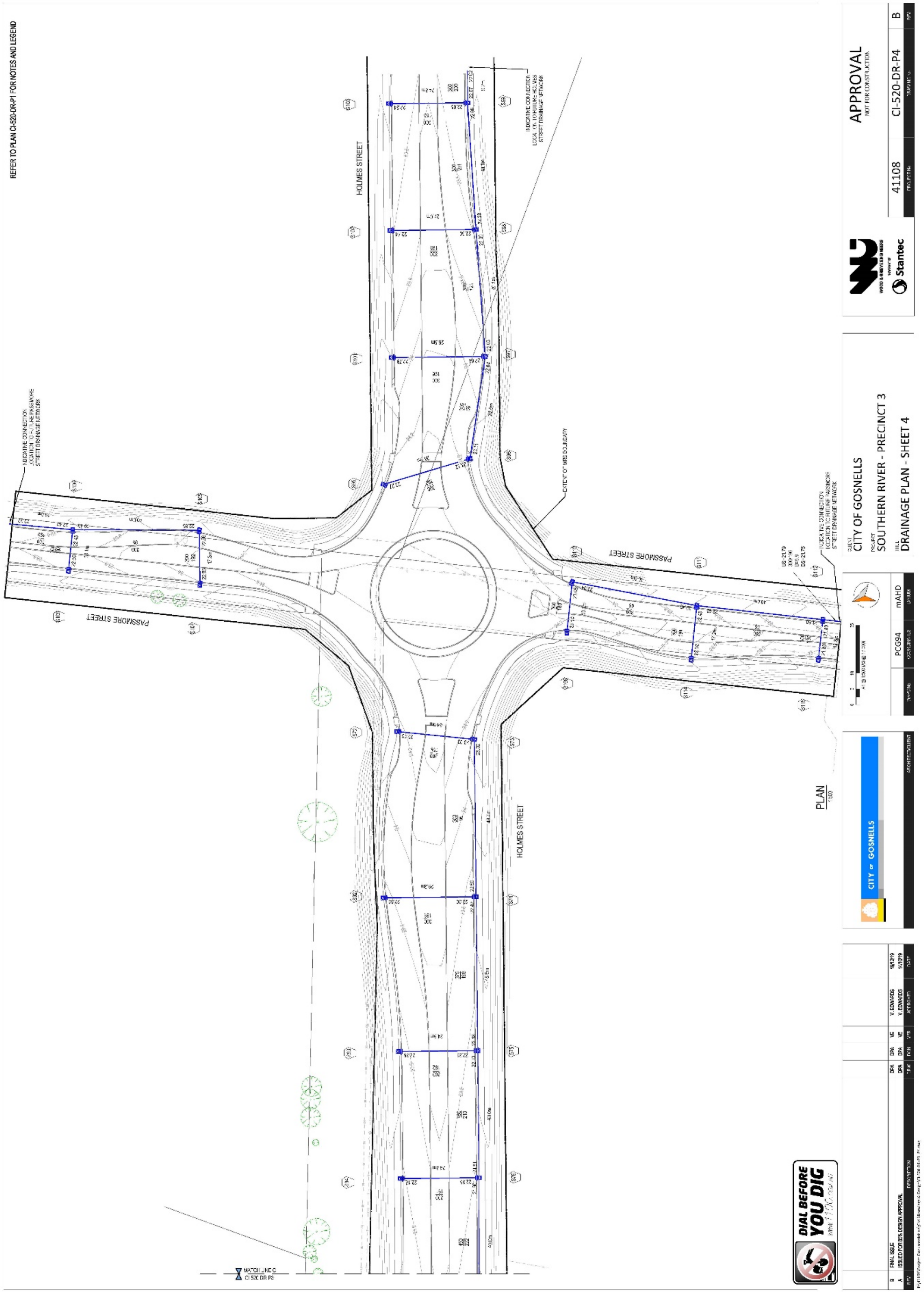
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Version: 1, Version Date: 20/10/2026

Drainage Plan 3



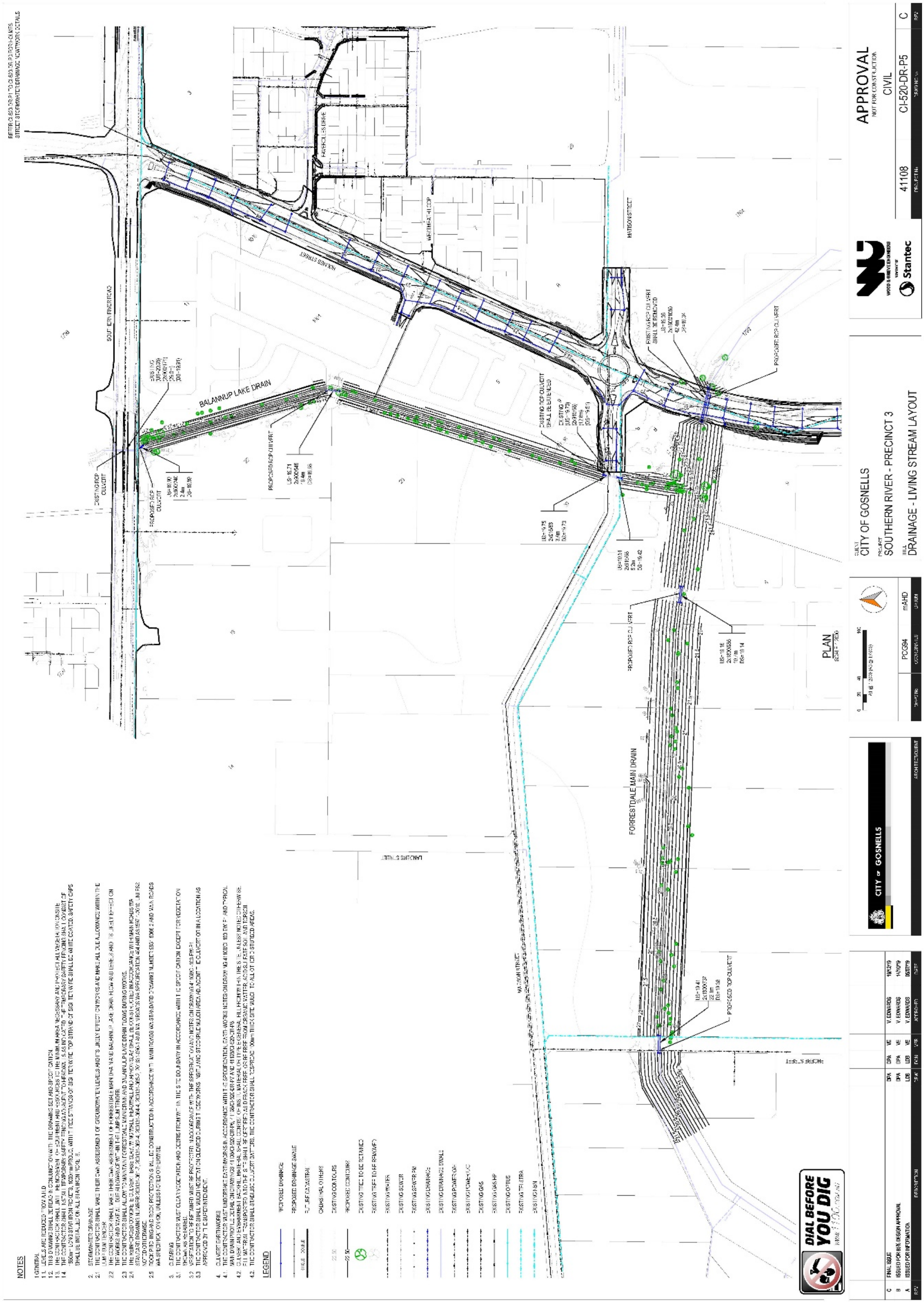
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Version: 1, Version Date: 20/10/2026

Drainage Plan 4

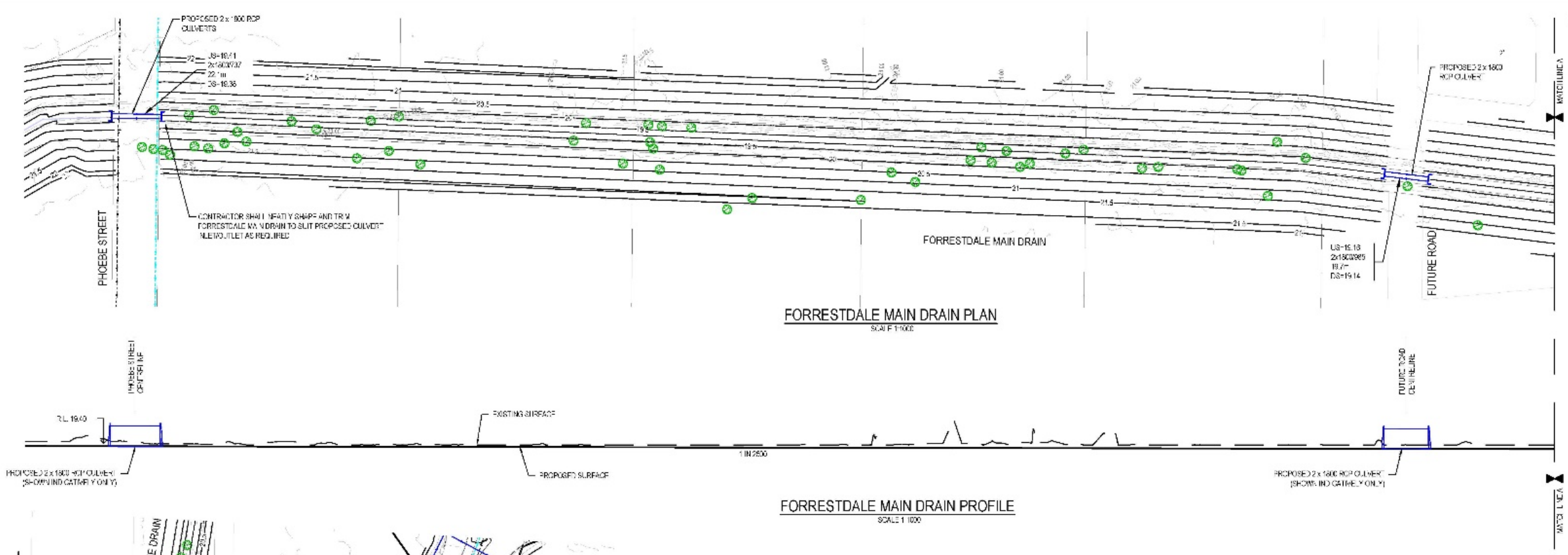


Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Drainage Plan – Living Stream Layout



Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026



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REV	DESCRIPTION	DRAW	DSN	VER	APPROVED	DATE
C	FINAL ISSUE	DPA	DPA	VE	V. EDWARDS	18/12/19
B	ISSUED FOR 85% DESIGN APPROVAL	DPA	DPA	VE	V. EDWARDS	14/10/19
A	ISSUED FOR INFORMATION	LDB	LDB	VE	V. EDWARDS	05/07/19

CITY OF GOSNELLS
ARCHITECT/CLIENT

DRAWING No	DATUM	
PCG94	mAHD	

SUBJECT: CITY OF GOSNELLS
PROJECT: SOUTHERN RIVER - PRECINCT 3
TITLE: DRAINAGE - FORRESTDALE MAIN DRAIN

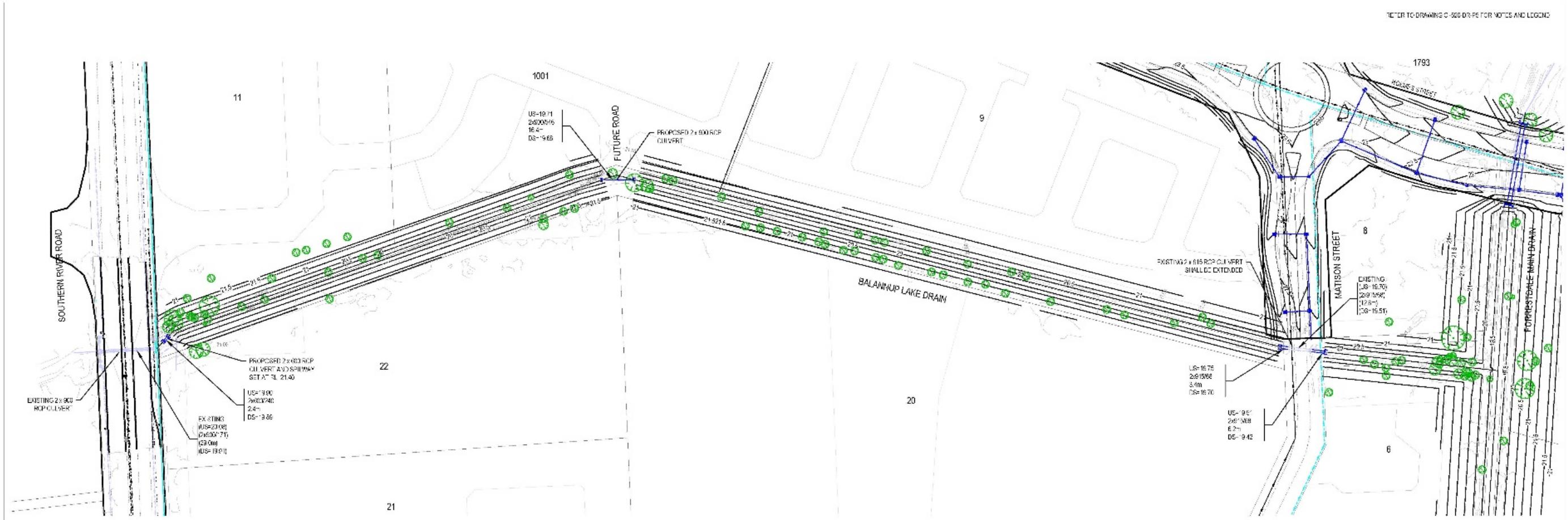
WOOD & GRIEVE ENGINEERS
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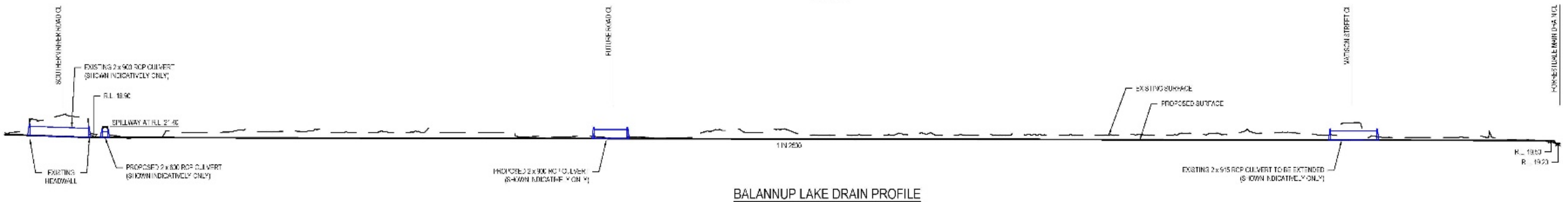
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41108	CI-520-DR-P6	C

Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

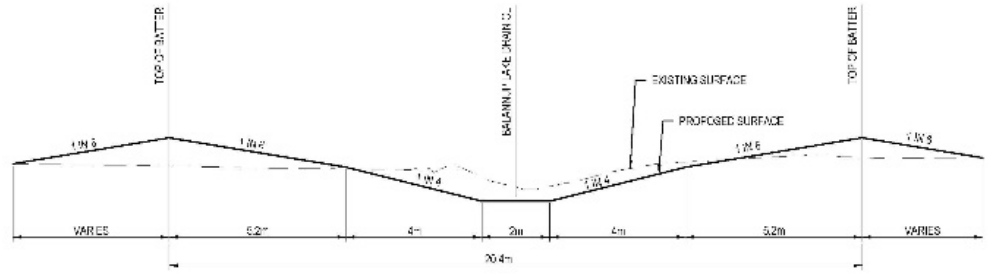
Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026



BALANNUP LAKE DRAIN PLAN
SCALE 1:1000



BALANNUP LAKE DRAIN PROFILE
SCALE 1:1000



BALLANUP LAKE DRAIN TYPICAL CROSS SECTION
SCALE 1:100

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REV	DESCRIPTION	DRAW	DSN	VFR	APPROVED	DATE
C	FINAL ISSUE	DPA	DPA	VE	V. EDWARDS	18/12/19
B	ISSUED FOR 95% DESIGN APPROVAL	DPA	DPA	VE	V. EDWARDS	14/10/19
A	ISSUED FOR INFORMATION	LDB	LDB	VE	V. EDWARDS	05/07/19

CITY OF GOSNELLS
ARCHITECT/CLIENT

DRAWING No	COORDINATES	DATUM
	PCG94	mAHD

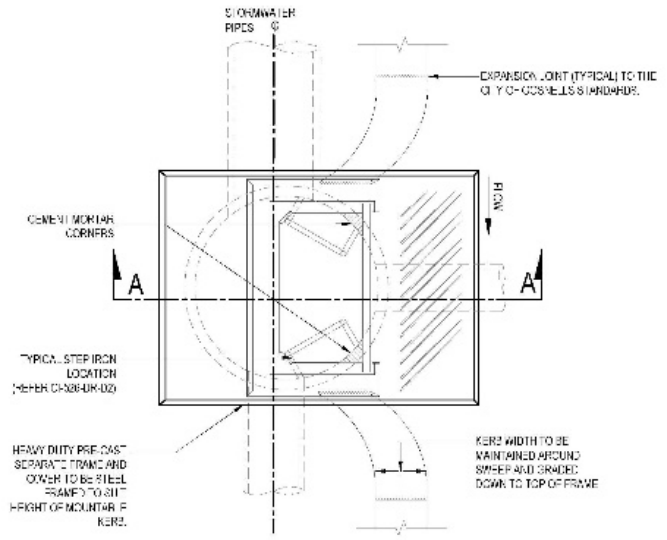
SUBJECT
CITY OF GOSNELLS
PROJECT
SOUTHERN RIVER - PRECINCT 3
TITLE
DRAINAGE - BALANNUP LAKE DRAIN

WOOD & GRIEVE ENGINEERS
Stantec

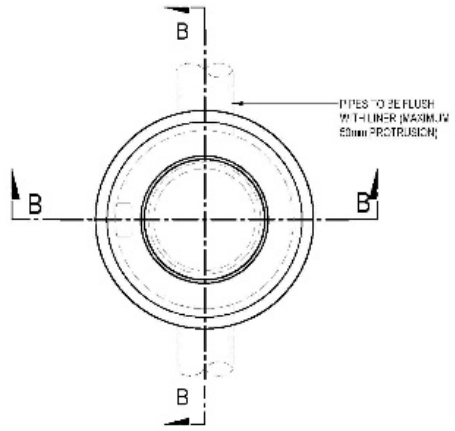
APPROVAL
NOT FOR CONSTRUCTION
CIVIL

PROJECT No	DRAWING No	REV
41108	CI-520-DR-P7	C

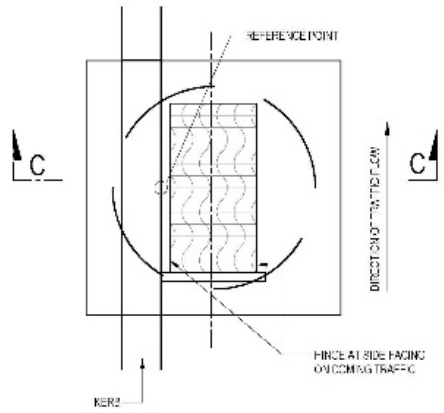
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Version: 1, Version Date: 20/10/2026



PLAN
SCALE 1:20



PLAN
SCALE 1:20

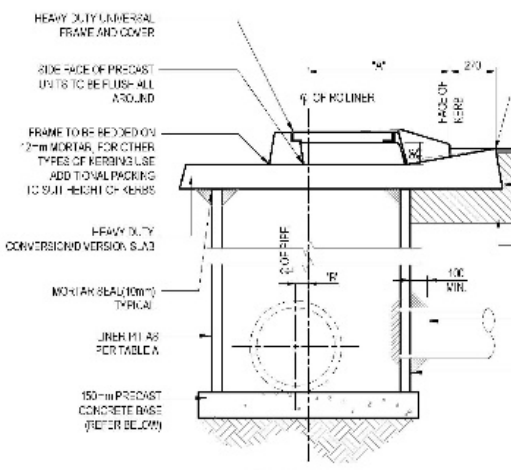


PLAN
SCALE 1:20

NOTES:

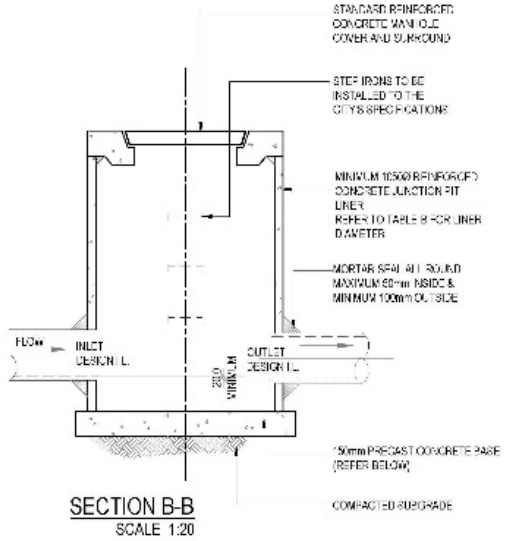
1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER CITY OF GOSNELLS CONSTRUCTION DRAWINGS
2. ALL COVERS ARE TO BE INSTALLED TO MANUFACTURERS GUIDELINES
3. CONCRETE TO BE 20mPa NOMINAL AGGREGATE AND HAVE A MINIMUM STRENGTH AT 28 DAYS OF:
   PRECAST UNIT 40 MPa
   INSITU BASE 25 MPa
4. GROUT (MORTAR) TO BE 3 SAND : 1 CEMENT
5. STEPIRONS TO BE INSTALLED IN ACCORDANCE WITH THE CITY OF GOSNELLS REQUIREMENTS
6. PIPES TO BE FINISHED FLUSH WITH INSIDE OF LINER AND MADE GOOD WITH MORTAR (MAX 10MM PROTRUSION OF 50mm)
7. SUBGRADE TO BASE OF PRECAST LINER AND BACKFILL TO BE COMPACTED TO 95% MMDD BEFORE PLACING BASE
8. IN HIGH GROUNDWATER AREAS THE BASE AND PIT MUST BE SEALED
9. SAND TRAPPING OF LAST JUNCTION PIT PRIOR TO DISCHARGE INTO EXISTING SYSTEM MAY BE REQUIRED. CONFIRM WITH THE CITY OF GOSNELLS
10. SELECTION OF PRE-CAST BASE TYPE IS DETERMINED BY:
    DEPTH FROM UNDERSIDE OF COVER TO TOP OF PIPE
    DIAMETER OF LARGEST PIPE
11. ALL PIT BASE AND PIPE JOINTS TO BE SEALED WITH MORTAR AS SHOWN.
12. SUBGRADE TO BASE SHALL BE COMPACTED TO 95% MMDD BEFORE PLACING BASE
13. ALL PIPES TO BE FINISHED FLUSH WITH INSIDE OF LINER AND MADE GOOD WITH MORTAR (MAX 50mm PROTRUSION)
14. CONCRETE SEAL ALL ROUND PIPES A MAXIMUM OF 50mm INSIDE AND MINIMUM OF 100mm OUTSIDE
15. BASES TO BE SET 50mm BELOW THE INVERT OF THE LOWEST PIPE
16. SUMP ENTRY PITS WITH SOAKAGE REQUIRED TO BE SIZED TO EXTEND BEYOND THE LINER EXTERIOR
17. MINIMUM LINER SIZE TO BE 1050mm, UNLESS OTHERWISE APPROVED
18. PRECAST COVERS, FRAMES AND SLABS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES
19. ALL COMPONENTS SHALL BE DESIGNED TO ACCEPT LOADINGS IN ACCORDANCE WITH AS3725 AND MANUFACTURERS' GUIDELINES
20. MORTAR TO BE 3:1, SAND:CEMENT MIX
21. LINERS SHALL BE INTERLOCKING JOINT AND SPUN REINFORCED CONCRETE LINERS TO AS 4058
22. A MAXIMUM OF THREE PIPE OPENINGS ARE ALLOWED - MANY ONE JUNCTION PIT
23. A MINIMUM WALL WIDTH OF 250mm IS ALLOWED BETWEEN HOLES CUT FOR PIPE OPENINGS
24. THE MAXIMUM OUTSIDE DIAMETER OF A PIPE CONNECTED TO THE JUNCTION PIT SHALL NOT EXCEED 30% OF THE INTERNAL DIAMETER OF THE JUNCTION PIT
25. HOLES FOR PIPES ENTERING JUNCTION PIT WALLS ARE TO BE NON-LINE CUT OR MADE BY DRILLING 10mm HOLES AT 20mm CENTRES AROUND A CIRCLE MARKED ON THE INSIDE WALL AND THEN BREAKING OUT THE CONCRETE
26. RUBBER RING JOINTS TO BE INSTALLED IN ACCORDANCE WITH AS3500
27. MINIMUM PIPE DIAMETER 300mm
28. LINER DIAMETER TO BE A MINIMUM 1050mm.

TABLE A				
PIPE SIZE	NOMINAL Ø CLASS "2" RC LINER	DIMENSION 'A'	DIMENSION 'B'	PIPE ALIGNMENT (A&B)
300-450	1200	600	75	600
525-675	1350	675	75	675
750	1500#	750	150	825
825-900	1650#	825	150	900
975	1800#	900	150	975

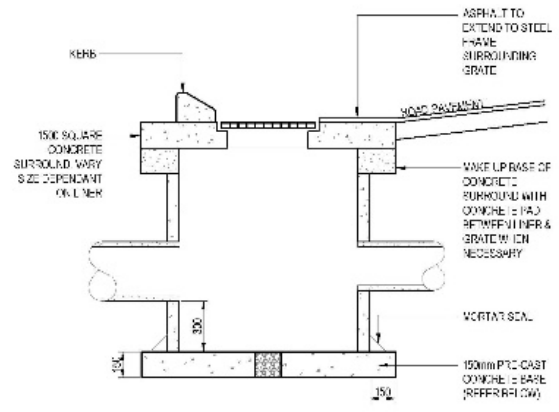


NOTE
(1) THE CLEAR OPENING IS 65 ±15mm
(2) THE WALL DONATION ACROSS THE FACE OF OPENING IS 1.2m²

SECTION A-A
SCALE 1:20



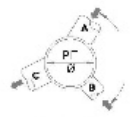
SECTION B-B
SCALE 1:20



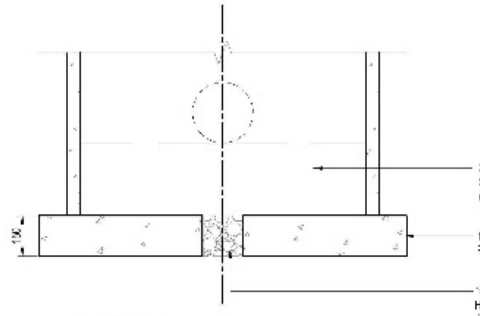
SECTION C-C
SCALE 1:20

TABLE B			
PIT Ø	PIPE A	PIPE B	PIPE C
1050	-	-	525#
1050	-	-	750#
1050	300		525#
1050	525	525	525#
1050	600	450	525#
1050			525#
1050	525	450	525#
1050	600	600	525#
1050	750		750#

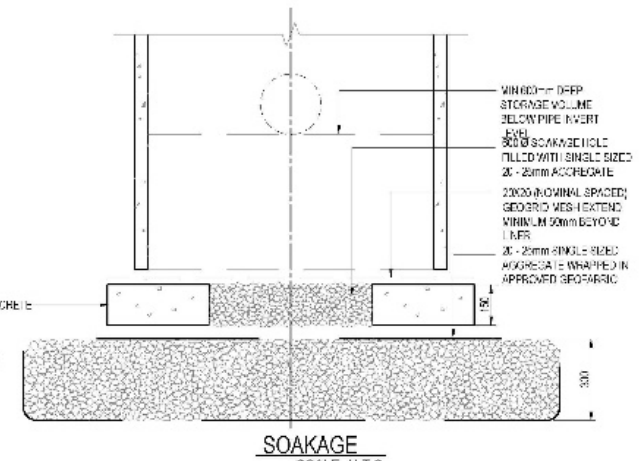
#OPENINGS IN LINER MUST BE DIAMOND SAW CUT TO ENSURE WALL INTEGRITY



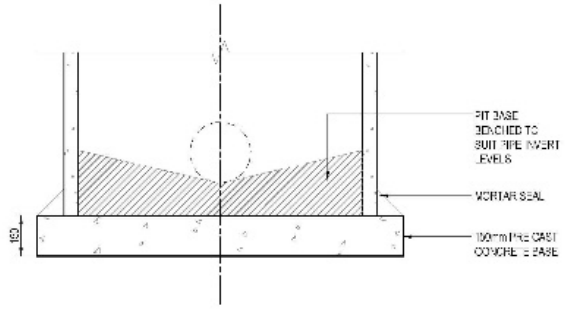
PLAN VIEW



SEEPAGE
SCALE N.T.S



SOAKAGE
SCALE N.T.S



SEALED
SCALE N.T.S

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REV	DESCRIPTION	DRW	DSN	VFR	APPROVED	DATE
B	FINAL ISSUE	DPA	DPA	VE	V. EDWARDS	19/12/2019
A	ISSUED FOR 85% DESIGN APPROVAL	DP	DP	VE	V. EDWARDS	14/10/2019

CITY OF GOSNELLS
ARCHITECT/CLIENT

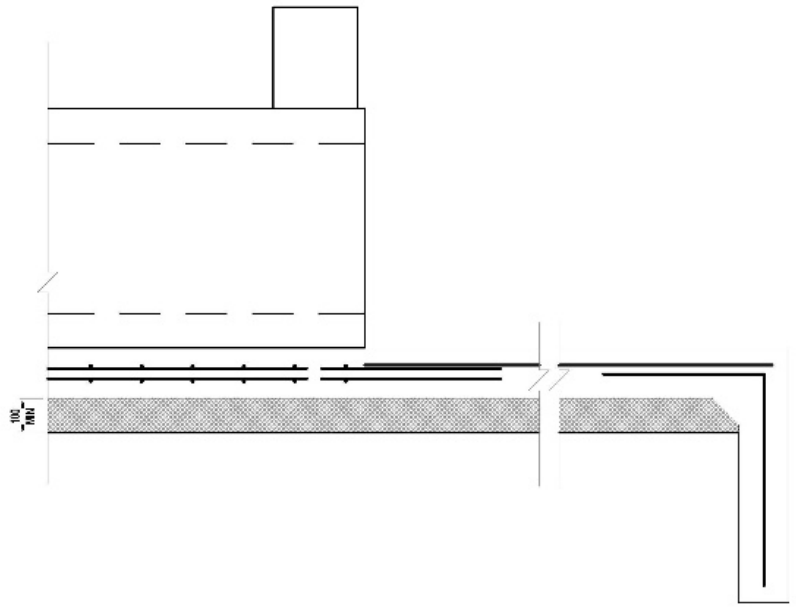
DRAWING No.	DESCRIPTION	DATUM
	PCG94	mAHD

CLIENT
CITY OF GOSNELLS
PROJECT
SOUTHERN RIVER - PRECINCT 3
TITLE
DRAINAGE DETAILS - SHEET 1

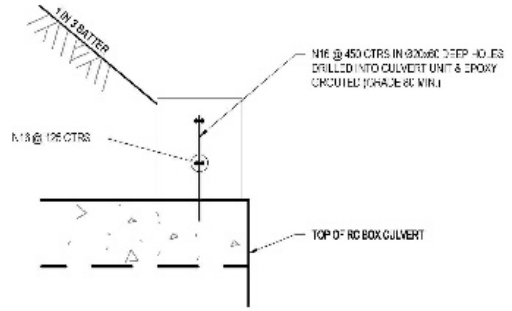
WOOD & GRIEVE ENGINEERS
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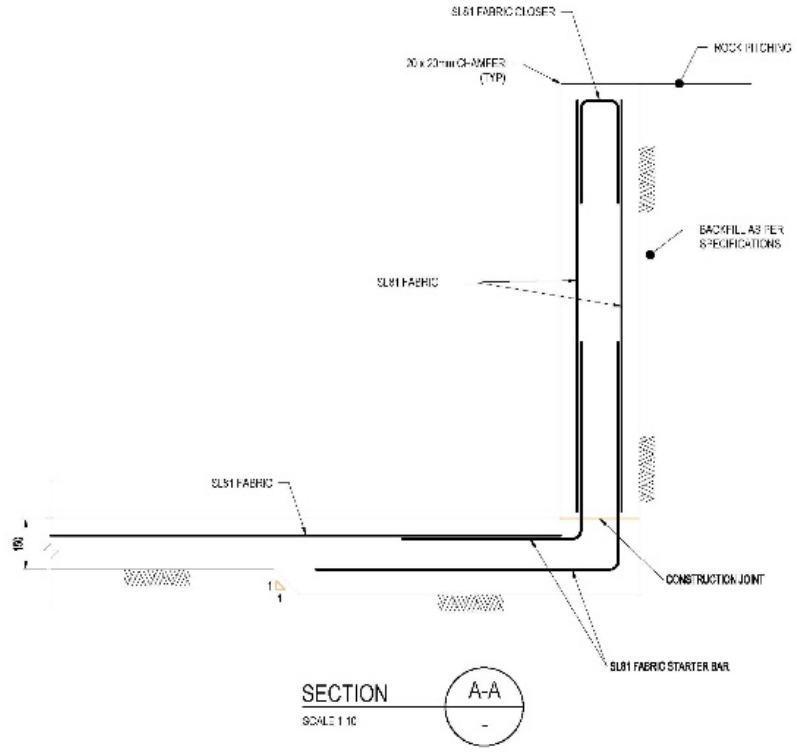
PROJECT No.	DRAWING No.	REV
41108	C-526-DR-D1	B



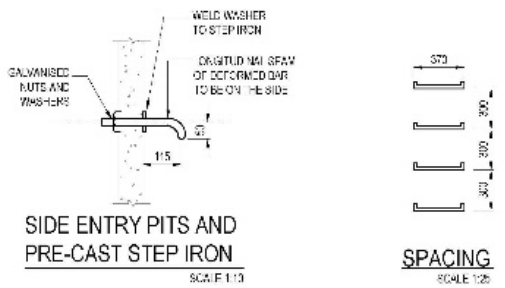
BASE SLAB AND APRON SLAB DETAIL
SCALE 1:10



CULVERT HEADWALL DETAIL - 300mm HIGH
SCALE 1:10



SECTION A-A
SCALE 1:10

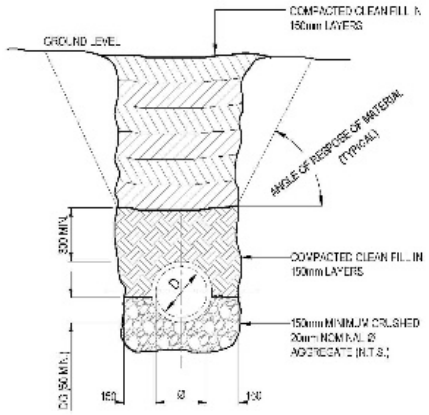


SIDE ENTRY PITS AND PRE-CAST STEP IRON
SCALE 1:10

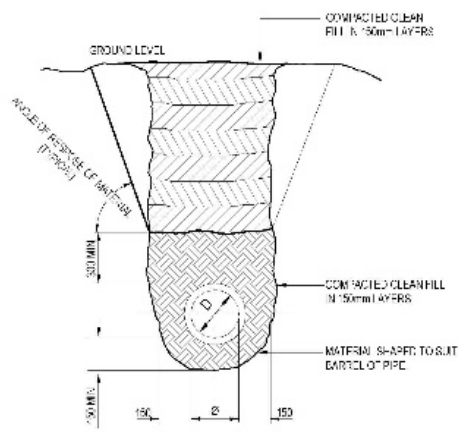
SPACING
SCALE 1:25

STEP IRON NOTES

1. ALL DRAINAGE STRUCTURES DEEPER THAN 1200mm SHALL BE FITTED WITH STEP IRONS
2. STEP IRONS TO CONFORM TO AS1657
3. STEP IRONS TO BE LOCATED ON THE SIDE WITH LEAST INTERFERENCE FROM PIPES IN A JUNCTION PIT, SUMPS, SIDE ENTRY AND/OR CONFLAGRATION PITS
4. LINERS TO BE MADE GOOD EXTERNALLY USING CEMENT MORTAR FOLLOWING STEP IRON INSTALLATION
5. STEP IRONS TO BE 20Ø HOT DIPPED GALVANIZED DEFORMED BARS OR ALTERNATIVE FOR UNITS WITH PRE CAST HOLES USE PARTIALLY ENCAPSULATED KNOCK IN STEP IRONS TYPE CONFORM TO AS1657 OR ALTERNATIVE STEP IRONS APPROVED BY THE CITY OF GOSNELLS



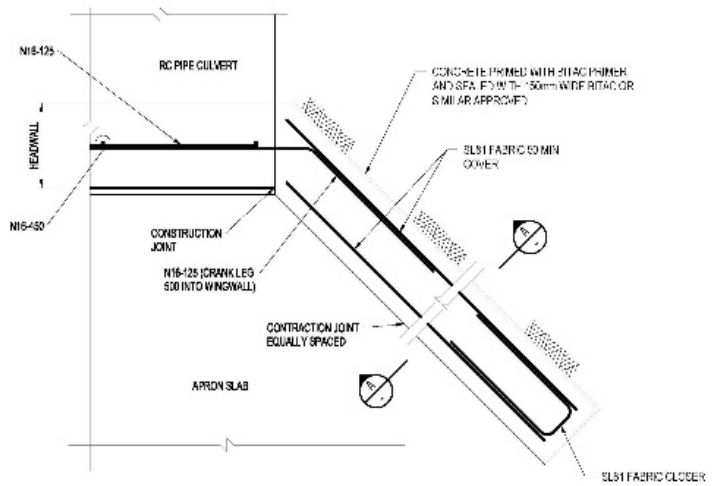
WET GROUND BEDDING
SCALE 1:20



DRY GROUND BEDDING
SCALE 1:20

PIPE BEDDING NOTES

1. FILL SHALL BE COMPACTED TO MINIMUM 95% MMDD UNDER ROADS AND MINIMUM 95% MMDD FOR VERGES
2. WET GROUNDING BEDDING TO BE USED AS NECESSARY OR WHEN DIRECTED BY ENGINEER AND WHEN WATER IS ENCOUNTERED IN TRENCHES
3. CONCRETE ENCASEMENT TO BE USED AS NECESSARY OR WHEN DIRECTED BY ENGINEER
4. PILED FOOTING TO BE USED AS NECESSARY OR WHERE DIRECTED BY ENGINEER



PLAN - WINGWALL
SCALE 1:10

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B	FINAL ISSUE	DPA	DPA	VE	V. EDWARDS	19/12/19
A	ISSUED FOR 85% DESIGN APPROVAL	DP	DP	VE	V. EDWARDS	14/10/19
R.EV	DESCRIPTION	DRAW	DESIGN	VER	APPROVED	DATE

CITY OF GOSNELLS
ARCHITECT/CLIENT

A1 @ 1:20 (A3 @ 1:40)

	PCG94	mAHD
DRAWING No	DATUM/ZONE	DATUM

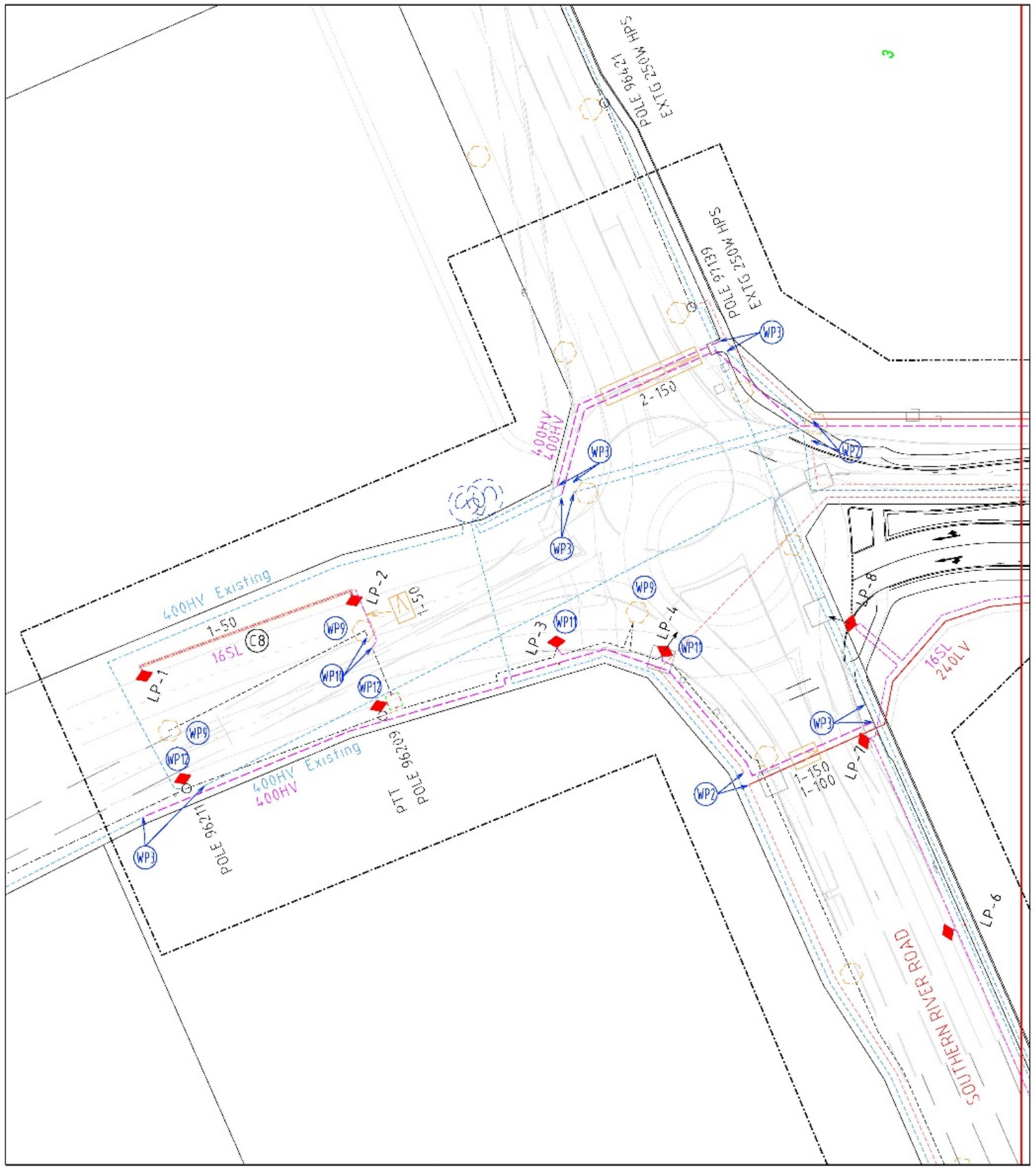
CLIENT
CITY OF GOSNELLS
PROJECT
SOUTHERN RIVER - PRECINCT 3
TITLE
DRAINAGE DETAILS - SHEET 2

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41108	C-526-DR-D2	B
PROJECT No	DRAWING No	REV

Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026



CONTRACTOR NOTES:

C1. ALL STREETLIGHTS SHALL BE LOCATED ON THE STANDARD 2.7m ALIGNMENT DIRECTLY OPPOSITE THE NEAREST BOUNDARY PEG UNLESS DIMENSIONED OTHERWISE.

C2. THE CONTRACTOR SHALL COIL SUFFICIENT LENGTH OF CABLE AT THE END OF THE SCHEME BOUNDARY TO JOINT FUTURE STAGES.

C3. THE CONTRACTOR TO SUPPLY AND INSTALL A CONCRETE BOX CULVERT FOR TRANSFORMER BASE REFER TO WESTERN POWER UDS POLICY & INSTALLATION MANUAL FOR FULL DETAILS.

C4. THE CONTRACTOR TO SUPPLY AND INSTALL ALL CONDUITS REQUIRED FOR ROAD CROSSINGS, EASEMENTS AND WHERE RETAINING WALLS ARE PRESENT. THE CONTRACTOR SHALL REFER TO THE CIVIL DRAWINGS FOR DETAILS AS REQUIRED.
50mm CONDUIT - 16SL & 25LV
100mm CONDUIT - 185LV, 240LV & 95HV
150mm CONDUIT - 185HV, 240HV & 400HV

C5. ALL STREET LIGHT CABLES UNDER ROAD PAVEMENT TO BE IN 50mm CONDUIT WHERE STREETLIGHT CABLES ARE INSTALLED IN, OR CROSS ALIGNMENTS OTHER THAN THE C500 ALIGNMENT THEY ARE TO BE INSTALLED IN 50mm CONDUIT.

C6. REFER TO CLAUSE 5.3.5.2 OF THE UDS MANUAL AND DETAIL C FOR WESTERN POWER'S SERVICE PILLAR EXCLUSION ZONE.

C7. CONTRACTOR TO EXERT CAUTION WHEN IN THE VICINITY OF EXISTING CABLES AND TO HAND DIG WHEN NECESSARY. ALLOW FOR RECIPIENT IN CHARGE AS REQUIRED.

C8. CONTRACTOR TO INSTALL NEW 16SL CABLE 1m BEHIND FRONT OF KERB IN 50mm CONDUIT.

C9. REFER TO POLE COORDINATES TABLE FOR NEW STREETLIGHT POSITIONS.

C10. THE CONTRACTOR SHALL ALLOW FOR RECONNECTION OF EXISTING CONSUMER MAINS AFFECTED BY THE OVERHEAD REMOVALS CONTAINED WITHIN THE SCOPE BOUNDARY THESE WORKS SHALL BE PAID VIA THE APPROPRIATE PROVISIONAL SUM ITEM. THESE WORKS SHALL INCLUDE ELECTRICAL CABLE RUN-IN FROM THE PROPOSED PILLAR TO THE EXISTING SWITCHBOARD UPGRADE (IF REQUIRED) EXTERNAL ELECTRICAL CABLE CONDUIT FOR RUN-INS TO SWITCHBOARDS SHALL BE USED WHERE WALL CAVITIES ARE UNAVAILABLE. CONTRACTOR SHALL MINIMISE DISRUPTION TO RESIDENTS FRONT YARD, DRIVEWAYS, FOOTPATHS, GARDEN BEDS ETC ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION AS REQUIRED. CONTRACTOR SHALL UPGRADE EXISTING SWITCHBOARDS TO COMPLY WITH AS3000. CONTRACTOR SHALL LIAISE WITH EXISTING RESIDENTS TO COORDINATE AND OBTAIN ACCESS APPROVAL.

WESTERN POWER SCOPE OF WORKS

WP1. WESTERN POWER TO REMOVE EXISTING OVERHEAD POLES AND AERIALS BETWEEN:
- POLES 97134 AND 396968 (POLE 396968 TO REMAIN)
- POLES 97138 AND 97139
- POLES 97133 AND 1013774 (POLE 1013774 TO REMAIN)
- POLES 97132 AND 1025712

WP2. WESTERN POWER TO CUT AND STRAIGHT JOINT EXISTING 240LV CABLE TO NEW 240LV CABLE AS SHOWN AND ALLOW FOR ALL MATERIALS FOR COMPLETE INSTALLATION. EXISTING PIECE OF CABLE TO BE REMOVED OR ABANDONED.

WP3. WESTERN POWER TO CUT AND STRAIGHT JOINT EXISTING 400HV CABLE TO NEW 400HV CABLE AS SHOWN AND ALLOW FOR ALL MATERIALS FOR COMPLETE INSTALLATION. EXISTING PIECE OF CABLE TO BE REMOVED OR ABANDONED.

WP4. WESTERN POWER TO TERMINATE NEW 240LV CABLE TO POLE 1013774. AS SHOWN EXISTING POLE TO BE REPLACED WITH A NEW TERMINATION POLE AND TERMINATION XARMS AS REQUIRED.

WP5. WESTERN POWER TO TERMINATE NEW 400HV RINGMAIN CABLE TO POLE 396968. AS SHOWN EXISTING POLE TO BE REPLACED WITH A NEW TERMINATION POLE AND TERMINATION XARMS AS REQUIRED.

WP6. WESTERN POWER TO DISCONNECT EXISTING 240LV CABLE FROM POLE 97135, CUT EXISTING CABLE AND JOINT TO NEW 240LV CABLE AS SHOWN EXISTING PIECE OF CABLE TO BE CAPPED AND ABANDONED.

WP7. WESTERN POWER TO DISCONNECT EXISTING 400HV CABLE FROM POLE 97136, CUT EXISTING CABLE AND JOINT TO NEW 400HV CABLE AS SHOWN EXISTING PIECE OF CABLE TO BE CAPPED AND ABANDONED.

WP8. WESTERN POWER TO REMOVE EXISTING EXISTING STREETLIGHT FITTING AND INSTALL NEW 160W STANDARD LED FITTING ON EXISTING POLE.

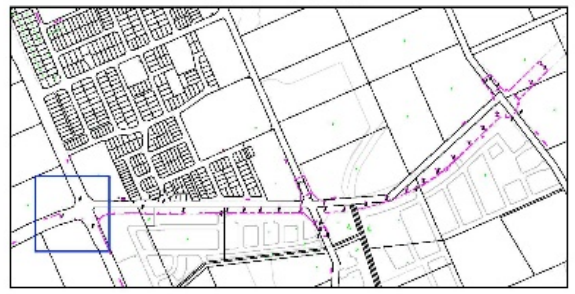
WP9. WESTERN POWER TO REMOVE EXISTING STREETLIGHT POLE. EXISTING PIECE OF 16SL CABLE TO BE CAPPED AND ABANDONED.

WP10. WESTERN POWER TO CUT AND STRAIGHT JOIN EXISTING 16SL CABLE TO NEW 16SL CABLE AS SHOWN WESTERN POWER TO ALLOW FOR ALL MATERIALS FOR COMPLETE INSTALLATION.

WP11. WESTERN POWER TO CUT AND TERMINATE EXISTING 16SL CABLE UP NEW STREETLIGHT POLE AND STRAIGHT JOINT EXISTING 16SL CABLE TO NEW 16SL CABLE AS SHOWN. EXISTING PIECE OF 16SL CABLE TO BE REMOVED OR ABANDONED.

WP12. WESTERN POWER TO INSTALL NEW 160W STANDARD LED FITTING ON EXISTING POLES AS SHOWN AND ALLOW FOR ALL ASSOCIATED MATERIALS.

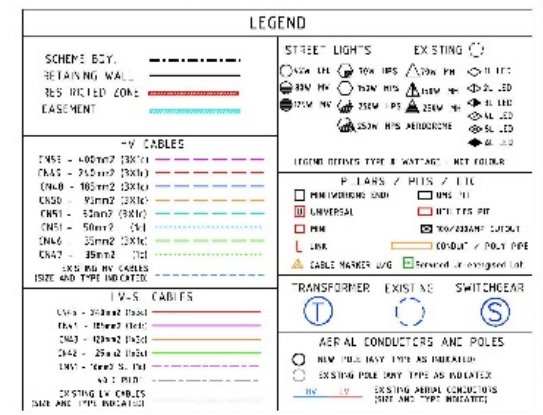
KEY PLAN



WARNING
IF WORKING IN THE VICINITY OF EXISTING OVERHEAD DISTRIBUTION OR TRANSMISSION LINES CONTRACTOR TO COMPLY WITH "WORKSAFE" CLEARANCES DURING CONSTRUCTION

WARNING
DIAL1100 BEFORE YOU DIG
REMARK OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND CABLES ARE APPROXIMATE ONLY AND THEIR EXACT POSITIONS SHOULD BE CHECKED ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING CABLES ARE SHOWN OR ARE KNOWN. LOCATE ALL UNDERGROUND CABLES AND SERVICES BEFORE COMMENCEMENT OF WORK. Refer to Worksafe Regulation 3.64.

LEGEND



REV	DESCRIPTION	DRW	DGN	VER	APPROVED	DATE
0	ISSUE SENT TO CLIENT FOR COMMENT/APPROVAL	SD	SD	SM	S.MILLMAN	27/09/19

LOT DETAILS
Residential Lots: 0
Group Housing: 0
Commercial: 0
Pumps: 0
Other: 0

WESTERN POWER REF	LATITUDE	LONGITUDE
ML010552	32<06'17"S	115<58'06"E

0 5 10 25
A1 @ 1:500 (A3 @ 1:1000)

WAPC No.	COORDINATES	DATUM
N/A	PCG - 94	A.H.D.

CLIENT
CITY OF GOSNELLS

PROJECT
SOUTHERN RIVER PRECINCT 3

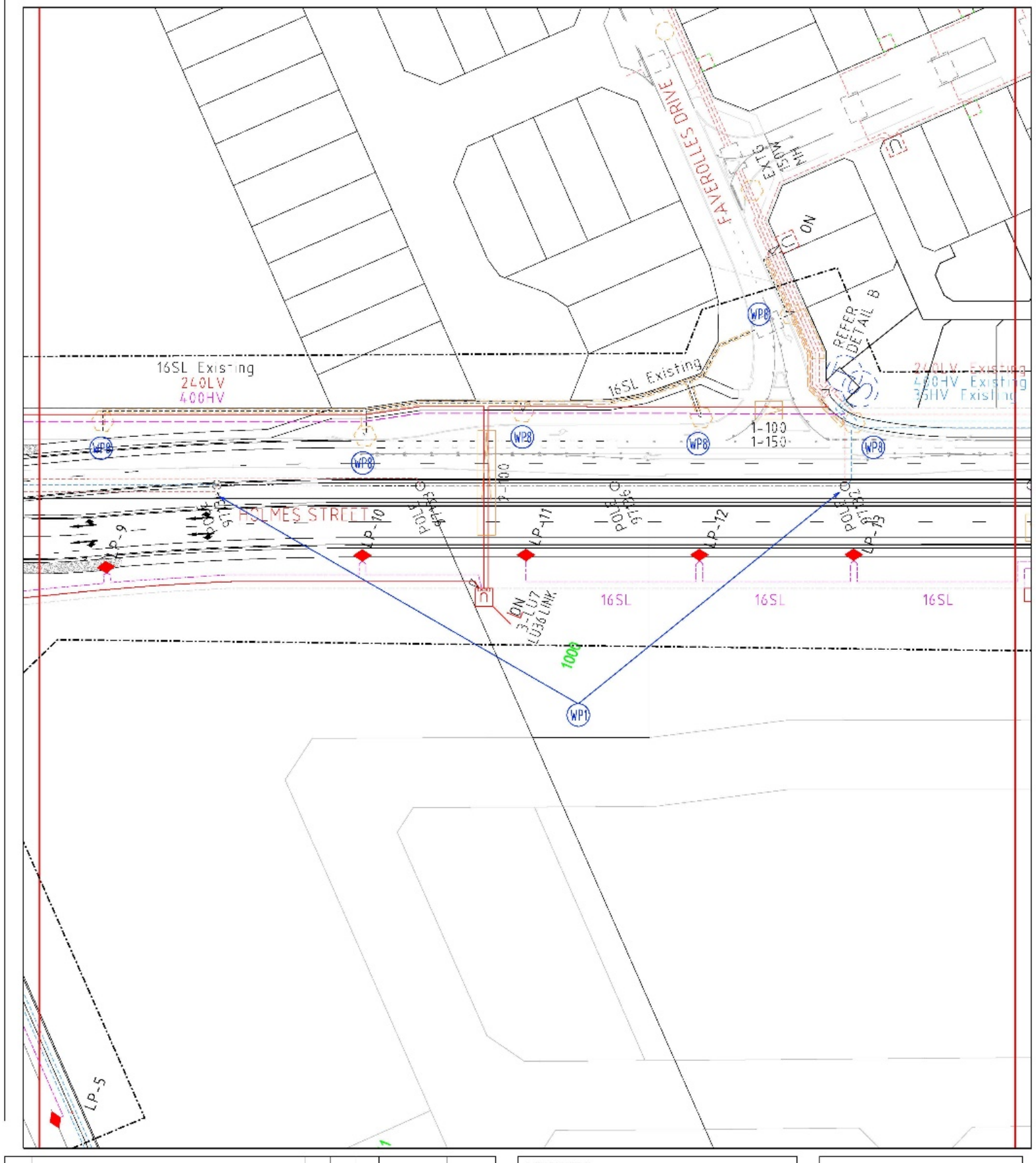
TITLE
STREETLIGHTING PLAN

WOOD & GRIEVE ENGINEERS
Stantec

PRELIMINARY
NOT FOR CONSTRUCTION
UNDERGROUND POWER

PROJECT No.	DRAWING No.	REVISION
41108	UP-780-P1	0

Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026



CONTRACTOR NOTES:

C1. ALL STREETLIGHTS SHALL BE LOCATED ON THE STANDARD 2.7m ALIGNMENT DIRECTLY OPPOSITE THE NEAREST BOUNDARY PEG UNLESS DIMENSIONED OTHERWISE.

C2. THE CONTRACTOR SHALL COIL SUFFICIENT LENGTH OF CABLE AT THE END OF THE SCHEME BOUNDARY TO JOINT FUTURE STAGES.

C3. THE CONTRACTOR TO SUPPLY AND INSTALL A CONCRETE BOX CULVERT FOR TRANSFORMER BASE REFER TO WESTERN POWER UDS POLICY & INSTALLATION MANUAL FOR FULL DETAILS.

C4. THE CONTRACTOR TO SUPPLY AND INSTALL ALL CONDUITS REQUIRED FOR ROAD CROSSINGS, EASEMENTS AND WHERE RETAINING WALLS ARE PRESENT. THE CONTRACTOR SHALL REFER TO THE CIVIL DRAWINGS FOR DETAILS AS REQUIRED.
50mm CONDUIT - 19SL & 25LV
100mm CONDUIT - 185LV, 240LV & 35HV
150mm CONDUIT - 185HV, 240HV & 400HV

C5. ALL STREET LIGHT CABLES UNDER ROAD PAVEMENT TO BE IN 50mm CONDUIT WHERE STREETLIGHT CABLES ARE INSTALLED IN, OR CROSS ALIGNMENTS OTHER THAN THE C.500 ALIGNMENT THEY ARE TO BE INSTALLED IN 50mm CONDUIT.

C6. REFER TO CLAUSE 5.3.5.2 OF THE UDS MANUAL AND DETAIL G FOR WESTERN POWER'S SERVICE PILLAR EXCLUSION ZONE.

C7. CONTRACTOR TO EXERT CAUTION WHEN IN THE VICINITY OF EXISTING CABLES AND TO HAND DIG WHEN NECESSARY. ALLOW FOR RECIPIENT IN CHARGE AS REQUIRED.

C8. CONTRACTOR TO INSTALL NEW 18SL CABLE 1m BEHIND FRONT OF KERB IN 50mm CONDUIT.

C9. REFER TO POLE COORDINATES TABLE FOR NEW STREETLIGHT POSITIONS.

C10. THE CONTRACTOR SHALL ALLOW FOR RECONNECTION OF EXISTING CONSUMER MAINS AFFECTED BY THE OVERHEAD REMOVALS CONTAINED WITHIN THE SCOPE BOUNDARY THESE WORKS SHALL BE PAID VIA THE APPROPRIATE PROVISIONAL SUM ITEM. THESE WORKS SHALL INCLUDE ELECTRICAL CABLE RUN-IN FROM THE PROPOSED PILLAR TO THE EXISTING SWITCHBOARD UPGRADE (IF REQUIRED) EXTERNAL ELECTRICAL CABLE CONDUIT FOR RUNNING TO SWITCHBOARDS SHALL BE USED WHERE WALL CAVITIES ARE UNAVAILABLE. CONTRACTOR SHALL MINIMISE DISRUPTION TO RESIDENTS FRONT YARD, DRIVEWAYS, FOOTPATHS, GARDEN BEDS ETC ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION AS REQUIRED. CONTRACTOR SHALL UPGRADE EXISTING SWITCHBOARDS TO COMPLY WITH AS3000. CONTRACTOR SHALL LIAISE WITH EXISTING RESIDENTS TO COORDINATE AND OBTAIN ADDRESS APPROVAL.

WESTERN POWER SCOPE OF WORKS:

WP1. WESTERN POWER TO REMOVE EXISTING OVERHEAD POLES AND AERIALS BETWEEN:
- POLES 97134 AND 396968 (POLE 396968 TO REMAIN)
- POLES 97133 AND 97138
- POLES 97133 AND 1013774 (POLE 1013774 TO REMAIN)
- POLES 97133 AND 1025712

WP2. WESTERN POWER TO CUT AND STRAIGHT JOINT EXISTING 240LV CABLE TO NEW 240LV CABLE AS SHOWN AND ALLOW FOR ALL MATERIALS FOR COMPLETE INSTALLATION EXISTING PIECE OF CABLE TO BE REMOVED OR ABANDONED.

WP3. WESTERN POWER TO CUT AND STRAIGHT JOINT EXISTING 400HV CABLE TO NEW 400HV CABLE AS SHOWN AND ALLOW FOR ALL MATERIALS FOR COMPLETE INSTALLATION EXISTING PIECE OF CABLE TO BE REMOVED OR ABANDONED.

WP4. WESTERN POWER TO TERMINATE NEW 240LV CABLE TO POLE 1013774 AS SHOWN EXISTING POLE TO BE REPLACED WITH A NEW TERMINATION POLE AND TERMINATION XARMS AS REQUIRED.

WP5. WESTERN POWER TO TERMINATE NEW 400HV RINGMAIN CABLE TO POLE 986986 AS SHOWN EXISTING POLE TO BE REPLACED WITH A NEW TERMINATION POLE AND TERMINATION XARMS AS REQUIRED.

WP6. WESTERN POWER TO DISCONNECT EXISTING 240LV CABLE FROM POLE 97138, CUT EXISTING CABLE AND JOINT TO NEW 240LV CABLE AS SHOWN EXISTING PIECE OF CABLE TO BE CAPPED AND ABANDONED.

WP7. WESTERN POWER TO DISCONNECT EXISTING 400HV CABLE FROM POLE 97138, CUT EXISTING CABLE AND JOINT TO NEW 400HV CABLE AS SHOWN EXISTING PIECE OF CABLE TO BE CAPPED AND ABANDONED.

WP8. WESTERN POWER TO REMOVE EXISTING EXISTING STREETLIGHT FITTING AND INSTALL NEW 160W STANDARD LED FITTING ON EXISTING POLE.

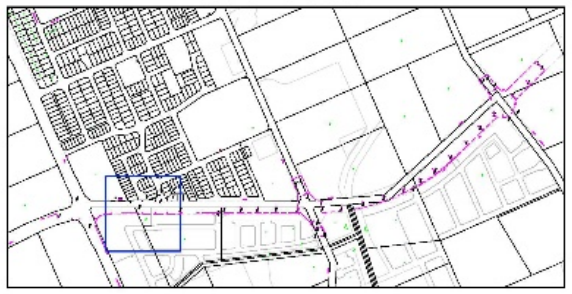
WP9. WESTERN POWER TO REMOVE EXISTING STREETLIGHT POLE. EXISTING PIECE OF 16SL CABLE TO BE CAPPED AND ABANDONED.

WP10. WESTERN POWER TO CUT AND STRAIGHT JOINT EXISTING 16SL CABLE TO NEW 16SL CABLE AS SHOWN WESTERN POWER TO ALLOW FOR ALL MATERIALS FOR COMPLETE INSTALLATION.

WP11. WESTERN POWER TO CUT AND TERMINATE EXISTING 16SL CABLE UP NEW STREETLIGHT POLE AND STRAIGHT JOINT EXISTING 16SL CABLE TO NEW 16SL CABLE AS SHOWN. EXISTING PIECE OF 16SL CABLE TO BE REMOVED OR ABANDONED.

WP12. WESTERN POWER TO INSTALL NEW 160W STANDARD LED FITTING ON EXISTING POLES AS SHOWN AND ALLOW FOR ALL ASSOCIATED MATERIALS.

KEY PLAN



WARNING
IF WORKING IN THE VICINITY OF EXISTING OVERHEAD DISTRIBUTION OR TRANSMISSION LINES CONTRACTOR TO COMPLY WITH WORKSAFE CLEARANCES DURING CONSTRUCTION

WARNING
DAMAGE OF UNDERGROUND SERVICES
DIAL1100 BEFORE YOU DIG
The location of underground cables are approximate only and their exact position should be checked on site by potholing to prove that all warning rods are not covering any other services. Locate all underground cables and services before commencement of work. Refer to Worksafe Regulation 351.

LEGEND

SCHEME BDY.
RETAINING WALL
RES RESTRICTED ZONE
EASEMENT

HV CABLES
CNS5 - 400mm2 (3X1)
CNA5 - 240mm2 (3X1)
CNA8 - 185mm2 (3X1)
CN50 - 95mm2 (3X1)
CN95 - 50mm2 (3X1)
CNA6 - 35mm2 (3X1)
CNA7 - 25mm2 (3X1)
EXISTING HV CABLES SIZE AND TYPE INDICATED

LV-S CABLES
CNA4 - 300mm2 (4X1)
CNA1 - 185mm2 (4X1)
CN83 - 120mm2 (4X1)
CN42 - 25mm2 (2X1)
CN97 - 50mm2 SL (2X1)
4X1 PILC
EXISTING LV CABLES SIZE AND TYPE INDICATED

STREET LIGHTS EXISTING
42W LED, 70W MPS, 120W HPS, 70W MH, 150W MH, 150W HPS, 250W HPS, 250W MH, 250W HPS AEROSCREEN
N LED, DL LED, BL LED, ML LED, SL LED
LEGEND DEFINES TYPE & WATTAGE - NOT COLOUR

PILLARS / PITS / ETC
PENINSULA SWER, UNIVERSAL, PENE, LINK, CABLE MARKER LVG, WPC/ESSANE OUTLET, CONDUIT / POLY PIPE, Removed or energised list

TRANSFORMER EXISTING SWITCHGEAR

AERIAL CONDUCTORS AND POLES
NEW POLE (HVY TYPE AS INDICATED)
EXISTING POLE (HVY TYPE AS INDICATED)
EXISTING AERIAL CONDUCTORS (SIZE AND TYPE INDICATED)

REV	DESCRIPTION	DRW	DGN	VER	APPROVED	DATE
0	ISSUE SENT TO CLIENT FOR COMMENT/APPROVAL	SD	SD	SM	S.MILLMAN	27/09/19

LOT DETAILS
Residential Lots: 0
Group Housing : 0
Commercial: 0
Pumps: 0
Other: 0

WESTERN POWER REF	LATITUDE	LONGITUDE
ML010552	32<06'17"S	115<58'06"E

0 5 10 25
A1 @ 1:500 (A3 @ 1:1000)

WAPC No.	COORDINATES	DATUM
N/A	PCG - 94	A.H.D.

CLIENT
CITY OF GOSNELLS

PROJECT
SOUTHERN RIVER PRECINCT 3

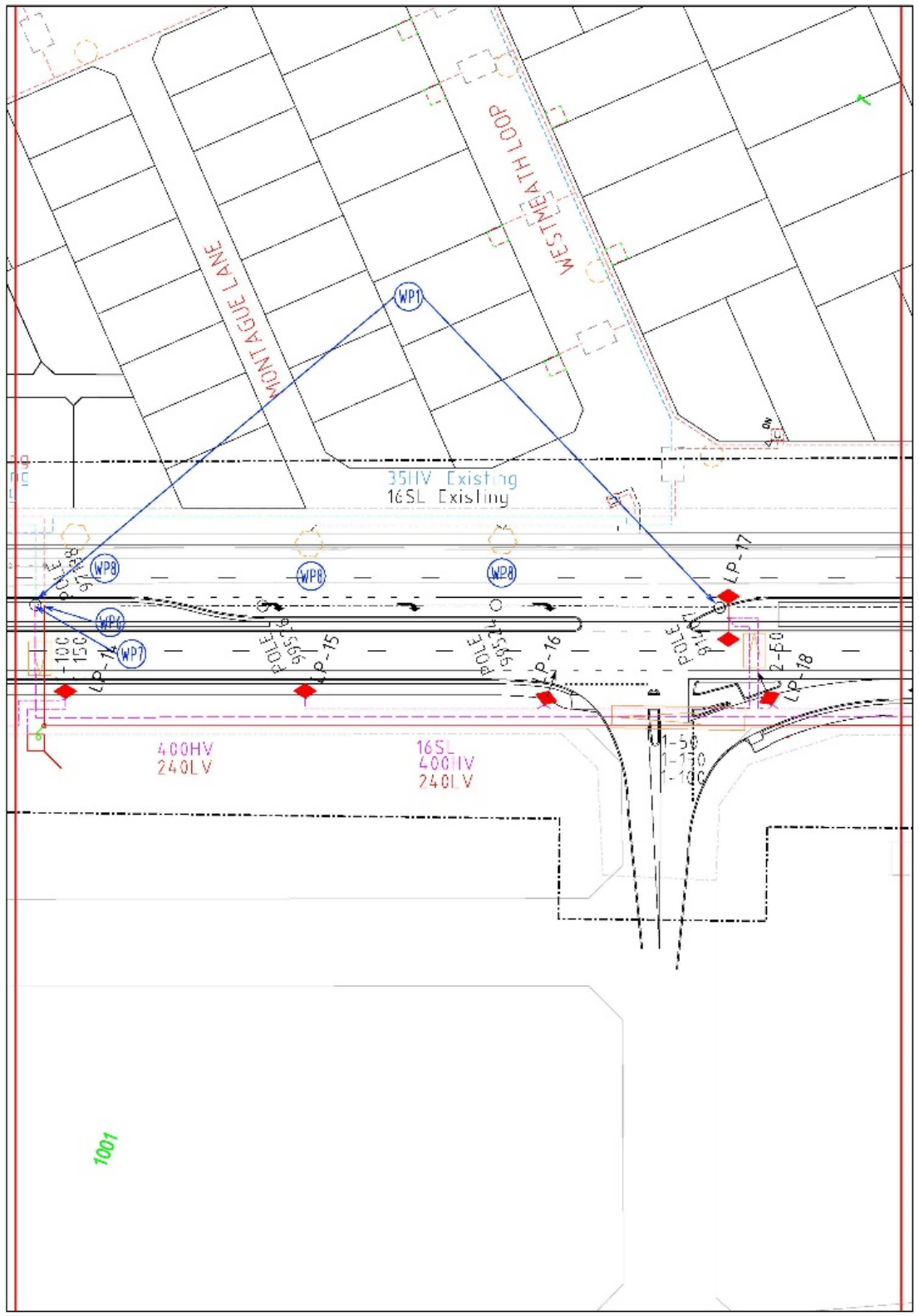
TITLE
STREETLIGHTING PLAN

WOOD & GRIEVE ENGINEERS
Stantec

PRELIMINARY
NOT FOR CONSTRUCTION
UNDERGROUND POWER

PROJECT No.	DRAWING No.	REVISION
41108	UP-780-P2	0

Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026



CONTRACTOR NOTES:

C1. ALL STREETLIGHTS SHALL BE LOCATED ON THE STANDARD 2.7m ALIGNMENT DIRECTLY OPPOSITE THE NEAREST BOUNDARY PEG UNLESS DIMENSIONED OTHERWISE.

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50mm CONDUIT - 16SL & 25LV
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WESTERN POWER SCOPE OF WORKS

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- POLES 97134 AND 396968 (POLE 396968 TO REMAIN)
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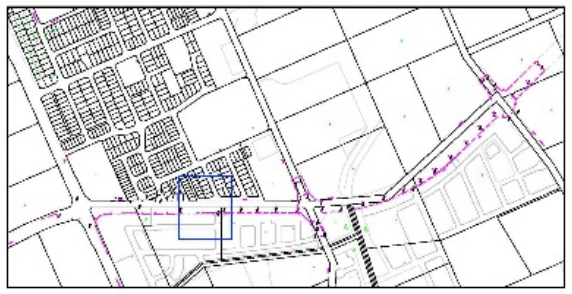
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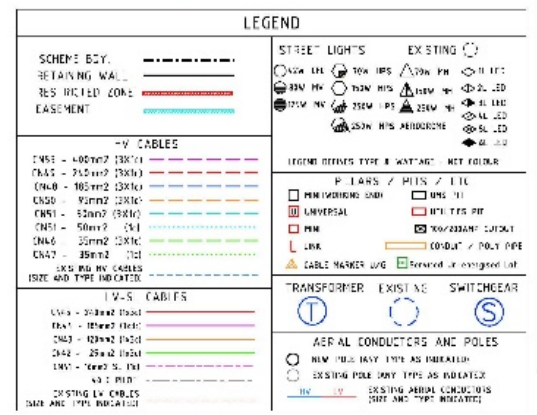
KEY PLAN



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DIAL1100 BEFORE YOU DIG

LEGEND



REV	DESCRIPTION	DRW	DSN	VER	APPROVED	DATE
0	ISSUE SENT TO CLIENT FOR COMMENT/APPROVAL	SD	SD	SM	S.MILLMAN	27/09/19

LOT DETAILS
Residential Lots: 0
Group Housing : 0
Commercial: 0
Pumps: 0
Other: 0

WESTERN POWER REF	LATITUDE	LONGITUDE
ML010552	32<06'17"S	115<58'06"E

0 5 10 25
A1 @ 1:500 (A3 @ 1:1000)

WAPC No.	COORDINATES	DATUM
N/A	PCG - 94	A.H.D.

CLIENT
CITY OF GOSNELLS

PROJECT
SOUTHERN RIVER PRECINCT 3

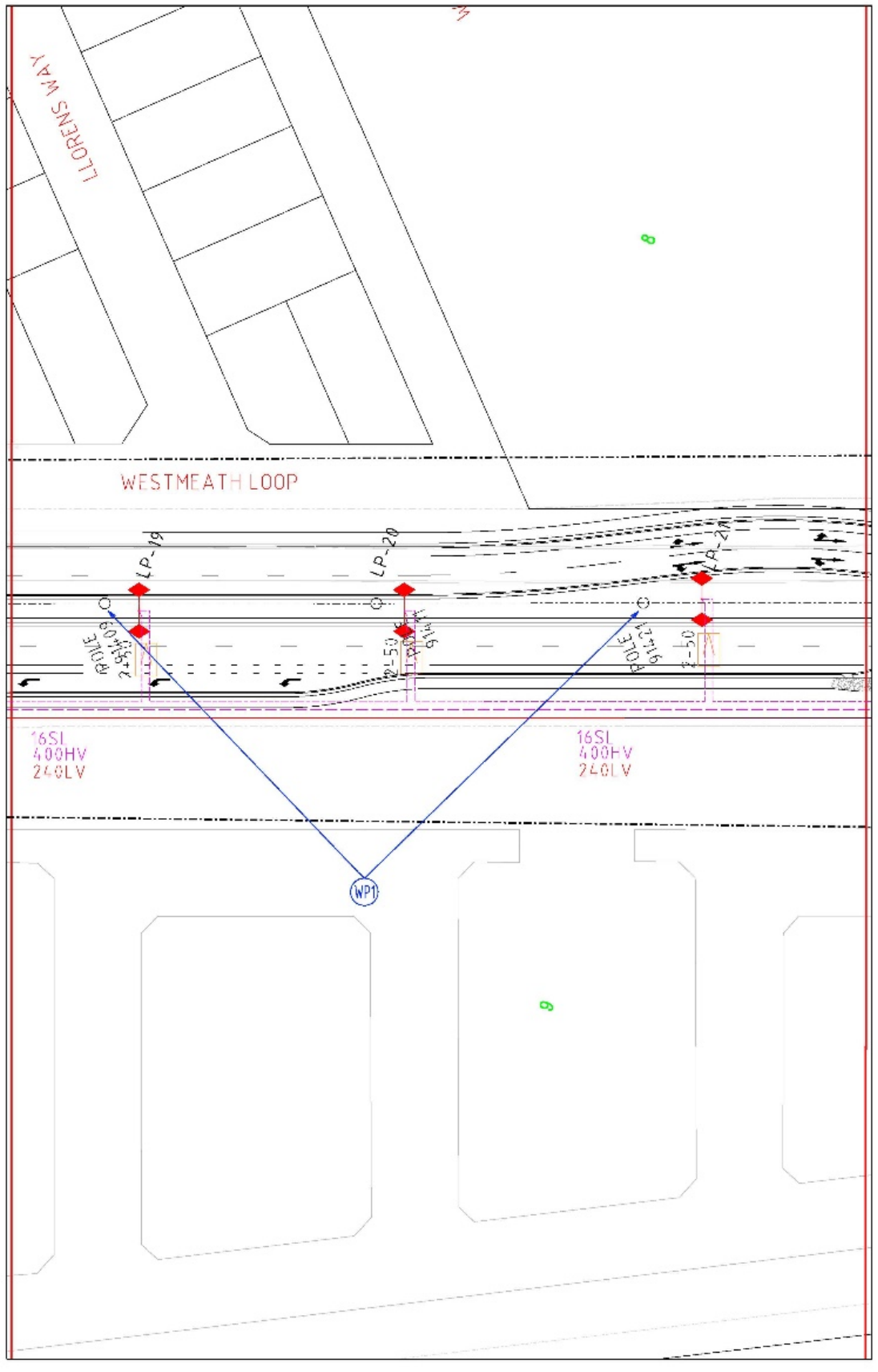
TITLE
STREETLIGHTING PLAN

WOOD & GRIEVE ENGINEERS
Stantec

PRELIMINARY
NOT FOR CONSTRUCTION
UNDERGROUND POWER

PROJECT No.	DRAWING No.	REVISION
41108	UP-780-P3	0

Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026



CONTRACTOR NOTES:

C1. ALL STREETLIGHTS SHALL BE LOCATED ON THE STANDARD 2.7m ALIGNMENT DIRECTLY OPPOSITE THE NEAREST BOUNDARY PEG UNLESS DIMENSIONED OTHERWISE.

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WESTERN POWER SCOPE OF WORKS

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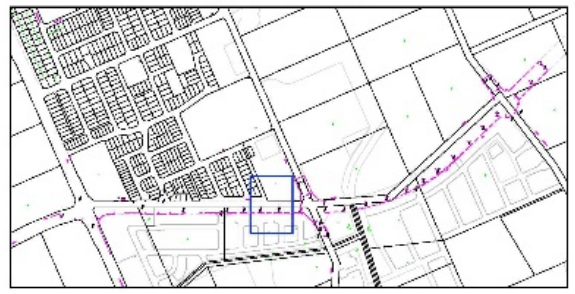
WP9. WESTERN POWER TO REMOVE EXISTING STREETLIGHT POLE. EXISTING PIECE OF 16SL CABLE TO BE CAPPED AND ABANDONED.

WP10. WESTERN POWER TO CUT AND STRAIGHT JOIN EXISTING 16SL CABLE TO NEW 16SL CABLE AS SHOWN WESTERN POWER TO ALLOW FOR ALL MATERIALS FOR COMPLETE INSTALLATION

WP11. WESTERN POWER TO CUT AND TERMINATE EXSTING 16SL CABLE UP NEW STREETLIGHT POLE AND STRAIGHT JOINT EXISTING 16SL CABLE TO NEW 16SL CABLE AS SHOWN. EXISTING PIECE OF 16SL CABLE TO BE REMOVED OR ABANDONED.

WP12. WESTERN POWER TO INSTALL NEW 160W STANDARD LED FITTING ON EXISTING POLES AS SHOWN AND ALLOW FOR ALL ASSOCIATED MATERIALS

KEY PLAN



WARNING
IF WORKING IN THE VICINITY OF EXISTING OVERHEAD DISTRIBUTION OR TRANSMISSION LINES CONTRACTOR TO COMPLY WITH WORKSAFE CLEARANCES DURING CONSTRUCTION

WARNING
DAMAGE OF UNDERGROUND SERVICES
The location of underground cables are approximate only and their exact position should be checked on site by potholing in order that all warning signs and services are known. Locate all underground cables and services before commencement of work. Refer to Worksafe Regulation 351.
DIAL 1100 BEFORE YOU DIG

LEGEND
SCHEME BDY.
RETAINING WALL
RES NOTED ZONE
EASEMENT
STREET LIGHTS
EXISTING
HV CABLES
LV-S CABLES
P. LABELS / PITS / ETC
TRANSFORMER EXISTING
SWITCHGEAR
AERIAL CONDUCTORS AND POLES

REV	DESCRIPTION	DRW	DGN	VER	APPROVED	DATE
0	ISSUE SENT TO CLIENT FOR COMMENT/APPROVAL	SD	SD	SM	S.MILLMAN	27/09/19

LOT DETAILS
Residential Lots: 0
Group Housing : 0
Commercial: 0
Pumps: 0
Other: 0

WESTERN POWER REF	LATITUDE	LONGITUDE
ML010552	32<06'17"S	115<58'06"E

0 5 10 25
A1 @ 1:500 |A3 @ 1:1000)

WAPC No.	COORDINATES	DATUM
N/A	PCG - 94	A.H.D.

CLIENT
CITY OF GOSNELLS
PROJECT
SOUTHERN RIVER PRECINCT 3
TITLE
STREETLIGHTING PLAN

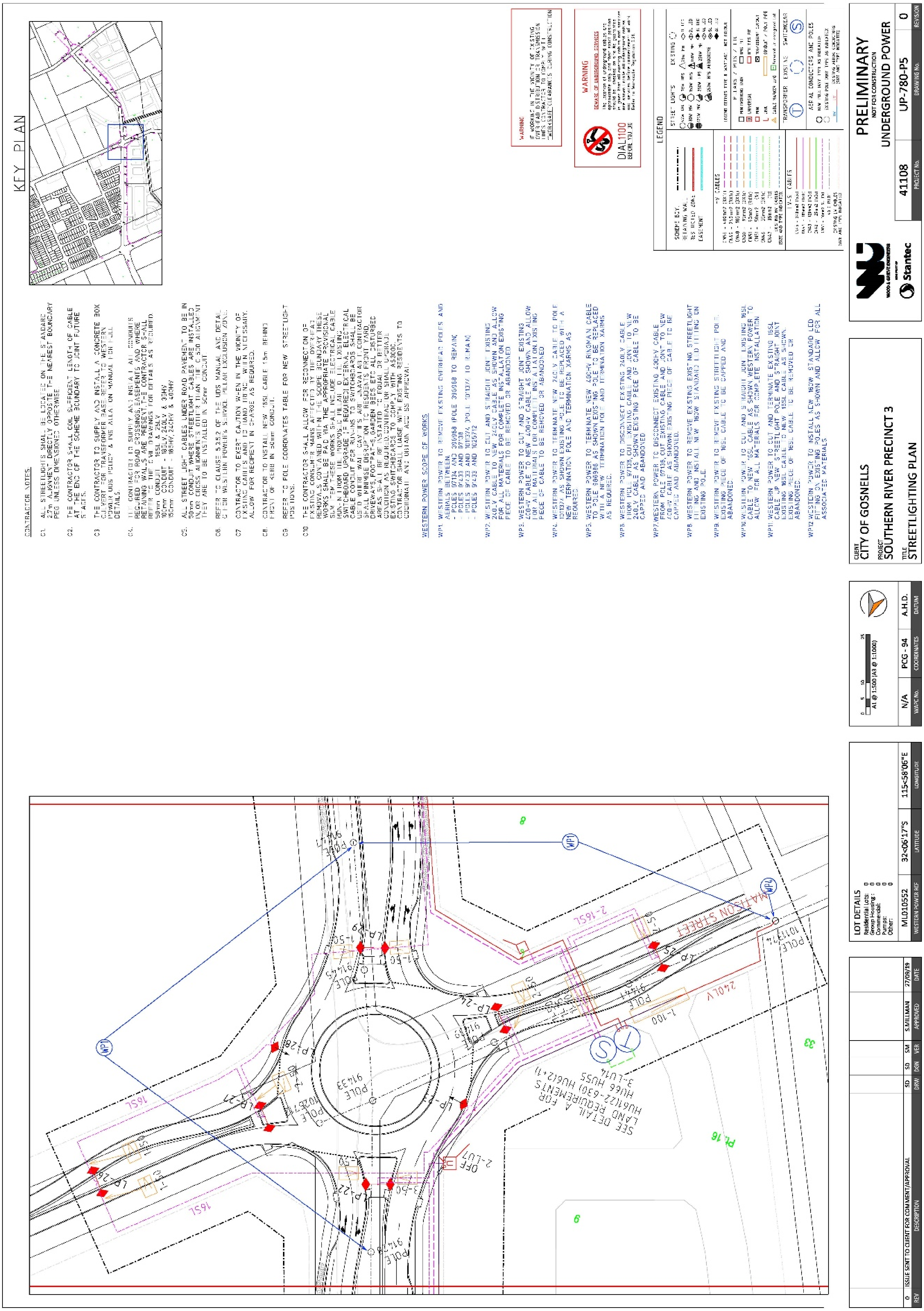
WOOD & GRIEVE ENGINEERS
Stantec

PRELIMINARY
NOT FOR CONSTRUCTION
UNDERGROUND POWER

PROJECT No.	DRAWING No.	REVISION
41108	UP-780-P4	0

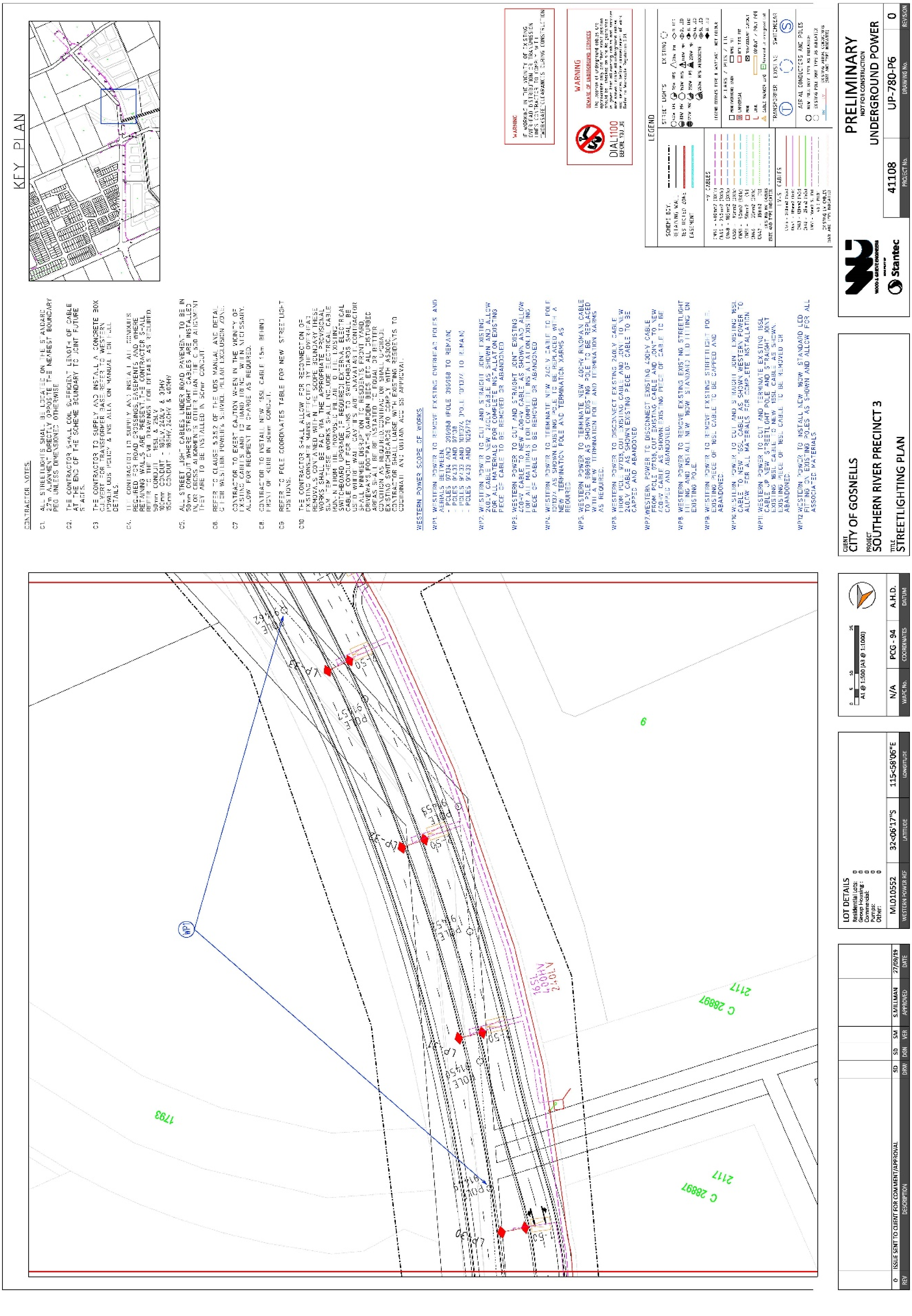
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Version: 1, Version Date: 20/10/2026

Street Lighting Plan 5

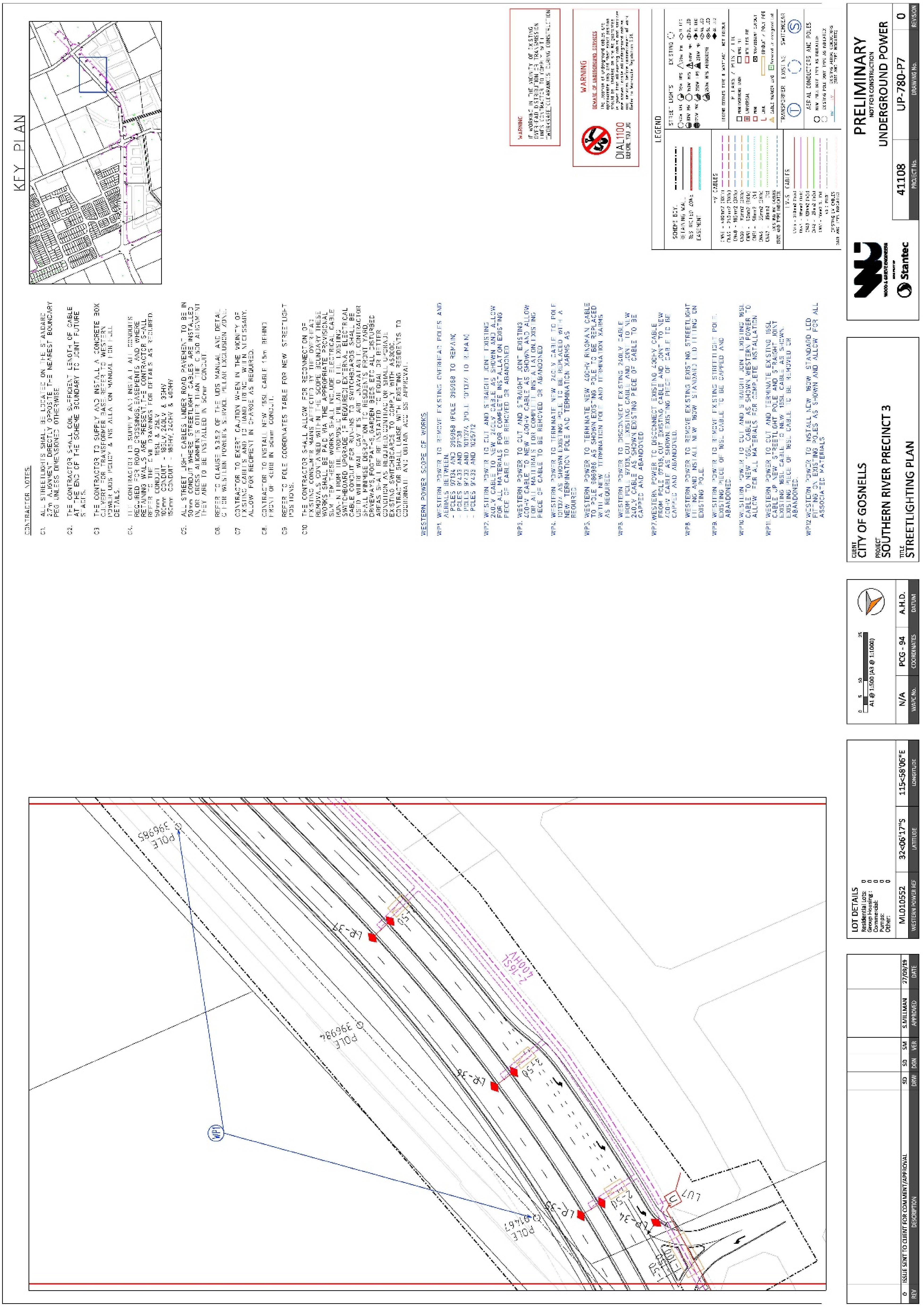


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Version: 1, Version Date: 20/10/2026

Street Lighting Plan 6

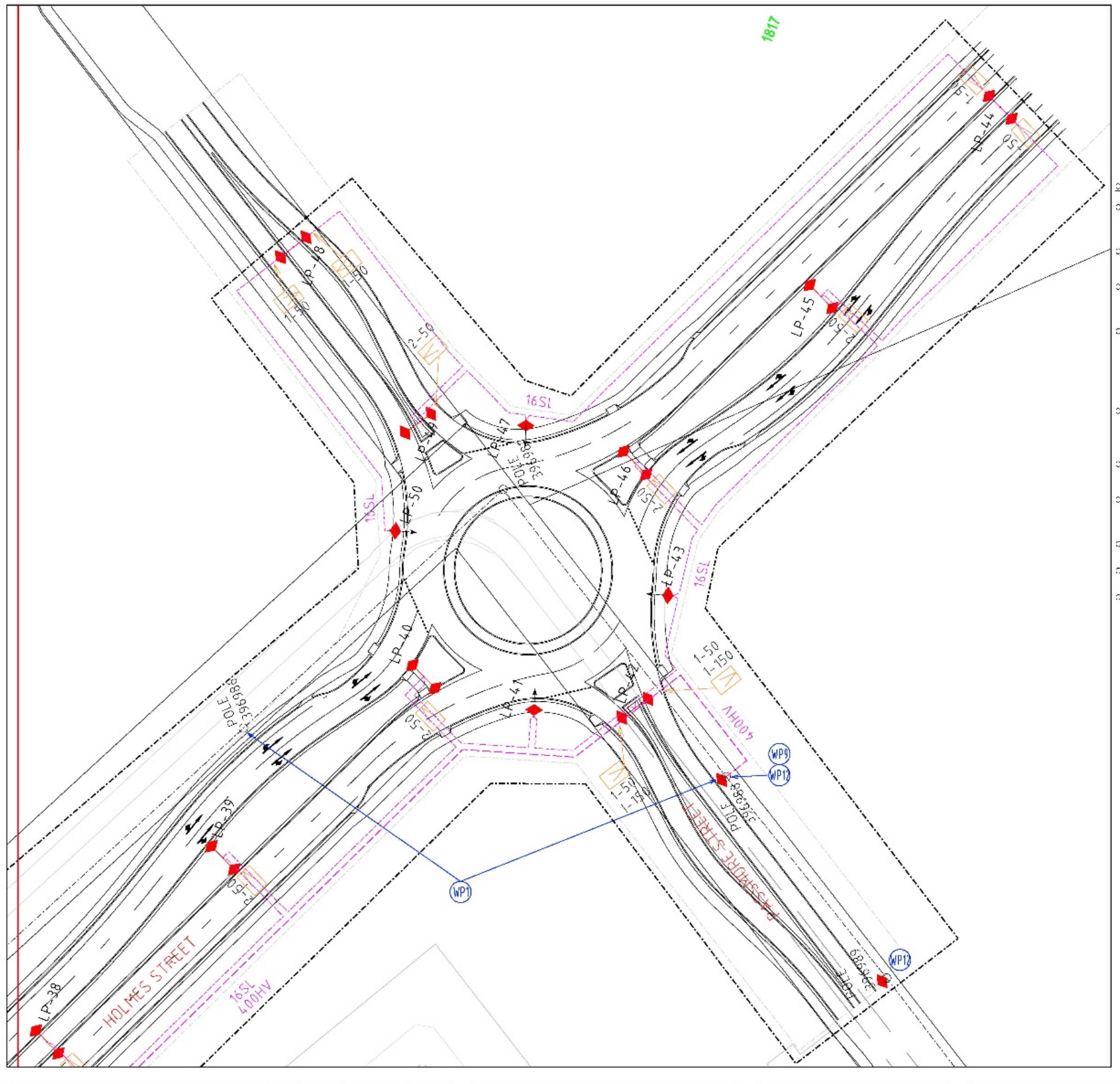


Street Lighting Plan 7

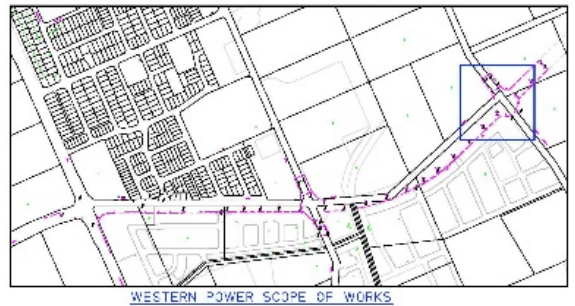


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Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026



KEY PLAN



CONTRACTOR NOTES

C1. ALL STREETLIGHTS SHALL BE LOCATED ON THE STANDARD 2.7m ALIGNMENT DIRECTLY OPPOSITE THE NEAREST BOUNDARY PEG UNLESS DIMENSIONED OTHERWISE

C2. THE CONTRACTOR SHALL COIL SUFFICIENT LENGTH OF CABLE AT THE END OF THE SCHEME BOUNDARY TO JOINT FUTURE STAGES

C3. THE CONTRACTOR TO SUPPLY AND INSTALL A CONCRETE BOX CULVERT FOR TRANSFORMER BASE REFER TO WESTERN POWER LDS POLICY & INSTALLATION MANUAL FOR FULL DETAILS.

C4. THE CONTRACTOR TO SUPPLY AND INSTALL ALL CONDUITS REQUIRED FOR ROAD CROSSINGS, EASEMENTS AND WHERE RETAINING WALLS ARE PRESENT. THE CONTRACTOR SHALL REFER TO THE CIVIL DRAWINGS FOR DETAILS AS REQUIRED.
50mm CONDUIT - 16SL & 2SLV
100mm CONDUIT - 185LV, 240LV & 35HV
150mm CONDUIT - 185HV, 240HV & 400HV

C5. ALL STREET LIGHT CABLES UNDER ROAD PAVEMENT TO BE IN 50mm CONDUIT WHERE STREETLIGHT CABLES ARE INSTALLED IN A DIAGONAL ALIGNMENT OTHER THAN IN 0-500 ALIGNMENT THEY ARE TO BE INSTALLED IN 50mm CONDUIT

C6. REFER TO CLAUSE 5.9.5.2 OF THE LDS MANUAL AND DETAIL C FOR WESTERN POWER's SERVICE PILLAR EXCLUSION ZONE

C7. CONTRACTOR TO EXERT CAUTION WHEN IN THE VICINITY OF EXISTING CABLES AND TO HAND TRENCH WHEN NECESSARY. ALLOW FOR RECIPIENT IN CHARGE AS REQUIRED

C8. CONTRACTOR TO INSTALL NEW 16SL CABLE 1m BEHIND FRONT OF KERB IN 50mm CONDUIT.

C9. REFER TO POLE COORDINATES TABLE FOR NEW STREETLIGHT POSITIONS.

C10. THE CONTRACTOR SHALL ALLOW FOR RECONNECTION OF EXISTING CONSUMER MAINS AFFECTED BY THE OVERHEAD REMOVALS CONTAINED WITHIN THE SCOPE BOUNDARY. THESE WORKS SHALL BE PAID VIA THE APPROPRIATE PROVISIONAL SUM ITEM. ELV WORKS SHALL INCLUDE ELECTRICAL CABLE RUN-IN FROM THE PROPOSED PILLAR TO THE EXISTING SWITCHBOARD. UPGRADE OF REQUIRED EXISTING ELECTRICAL CABLE CONDUIT FOR RUN INS TO SWITCHBOARDS SHALL BE USED WHERE WALL CAVITIES ARE UNAVAILABLE. CONTRACTOR SHALL MINIMISE DISRUPTION TO RESIDENTS FRONT YARD DRIVEWAYS FOOTPATHS GARDEN BEDS ETC. ALL DISTURBED AREAS SHALL BE RE-INSTATED TO EQUAL OR BETTER CONDITION AS REQUIRED. CONTRACTOR SHALL UPGRADE EXISTING SWITCHBOARDS TO COMPLY WITH AS3000. CONTRACTOR SHALL LIAISE WITH EXISTING RESIDENTS TO COORDINATE AND OBTAIN ACCESS APPROVAL

WESTERN POWER SCOPE OF WORKS

WP1. WESTERN POWER TO REMOVE EXISTING OVERHEAD POLES AND AERIALS BETWEEN:
- POLES 97134 AND 396988 (POLE 396988 TO REMAIN)
- POLES 97433 AND 97138
- POLES 97433 AND 1011374 (POLE 1011374 TO REMAIN)
- POLES 97433 AND 1025712

WP2. WESTERN POWER TO CUT AND STRAIGHT JOINT EXISTING 240LV CABLE TO NEW 240LV CABLE AS SHOWN AND ALLOW FOR ALL MATERIALS FOR COMPLETE INSTALLATION. EXISTING PIECE OF CABLE TO BE REMOVED OR ABANDONED.

WP3. WESTERN POWER TO CUT AND STRAIGHT JOINT EXISTING 400HV CABLE TO NEW 400HV CABLE AS SHOWN AND ALLOW FOR ALL MATERIALS FOR COMPLETE INSTALLATION. EXISTING PIECE OF CABLE TO BE REMOVED OR ABANDONED.

WP4. WESTERN POWER TO TERMINATE NEW 240LV CABLE TO POLE 1011374 AS SHOWN. EXISTING POLE TO BE REPLACED WITH A NEW TERMINATION POLE AND TERMINATION XARMS AS REQUIRED.

WP5. WESTERN POWER TO TERMINATE NEW 400HV RINGMAIN CABLE TO POLE 396988 AS SHOWN. XISTING POLE TO BE REPLACED WITH A NEW TERMINATION POLE AND TERMINATION XARMS AS REQUIRED.

WP6. WESTERN POWER TO DISCONNECT EXISTING 240LV CABLE FROM POLE 97138, CUT EXISTING CABLE AND JOINT TO NEW 240LV CABLE AS SHOWN. EXISTING PIECE OF CABLE TO BE CAPPED AND ABANDONED.

WP7. WESTERN POWER TO DISCONNECT EXISTING 400HV CABLE FROM POLE 97138, CUT EXISTING CABLE AND JOINT TO NEW 400HV CABLE AS SHOWN. EXISTING PIECE OF CABLE TO BE CAPPED AND ABANDONED.

WP8. WESTERN POWER TO REMOVE EXISTING EXISTING STREETLIGHT FITTING AND INSTALL NEW 160W STANDARD LED FITTING ON EXISTING POLE.

WP9. WESTERN POWER TO REMOVE EXISTING STREETLIGHT POLE EXISTING PIECE OF 16SL CABLE TO BE CAPPED AND ABANDONED.

WP10. WESTERN POWER TO CUT AND STRAIGHT JOINT EXISTING 16SL CABLE TO NEW 16SL CABLE AS SHOWN WESTERN POWER TO ALLOW FOR ALL MATERIALS FOR COMPLETE INSTALLATION.

WP11. WESTERN POWER TO CUT AND TERMINATE EXISTING 16SL CABLE UP NEW STREETLIGHT POLE AND STRAIGHT JOINT EXISTING 16SL CABLE TO NEW 16SL CABLE AS SHOWN. EXISTING PIECE OF 16SL CABLE TO BE REMOVED OR ABANDONED.

WP12. WESTERN POWER TO INSTALL NEW 160W STANDARD LED FITTING ON EXISTING POLES AS SHOWN AND ALLOW FOR ALL ASSOCIATED MATERIALS.

LEGEND

SCHEME BDY.
RETAINING WALL
RESTRICTED ZONE
EASEMENT

STREET LIGHTS EXISTING

HV CABLES

LV-S CABLES

PILLARS / PITS / ETC

TRANSFORMER EXISTING SWITCHGEAR

AERIAL CONDUCTORS AND POLES

WARNING
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WARNING
BEWARE OF UNDERGROUND SERVICES
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DIAL 1100 BEFORE YOU DIG

REV	DESCRIPTION	DRW	DGN	VER	APPROVED	DATE
0	ISSUE SENT TO CLIENT FOR COMMENT/APPROVAL	SD	SD	SM	S.MILLMAN	27/09/19

LOT DETAILS
Residential Lots: 0
Group Housing : 0
Commercial: 0
Pumps: 0
Other: 0

WESTERN POWER REF	LATITUDE	LONGITUDE
ML010552	32<06'17"S	115<58'06"E

0 5 10 25
A1 @ 1:500 |A3 @ 1:1000)

WAPC No.	COORDINATES	DATUM
N/A	PCG - 94	A.H.D.

CLIENT
CITY OF GOSNELLS

PROJECT
SOUTHERN RIVER PRECINCT 3

TITLE
STREETLIGHTING PLAN

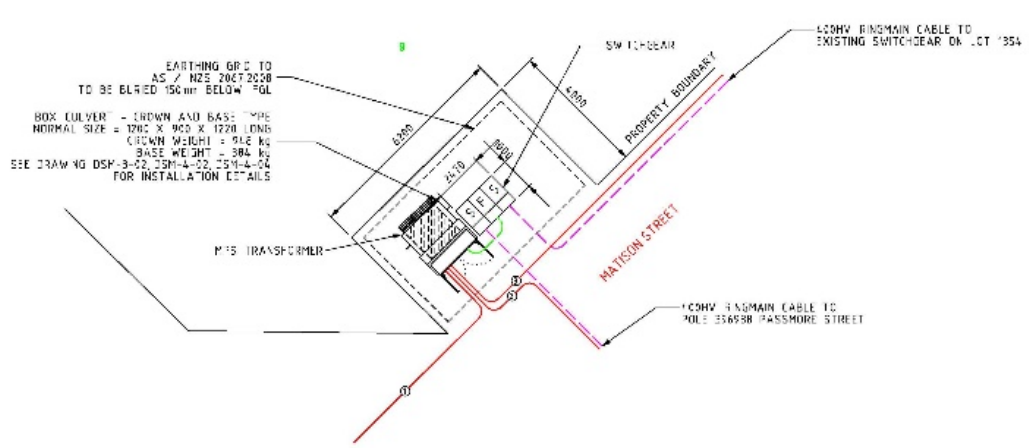
WOOD & GRIEVE ENGINEERS
Stantec

PRELIMINARY
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UNDERGROUND POWER

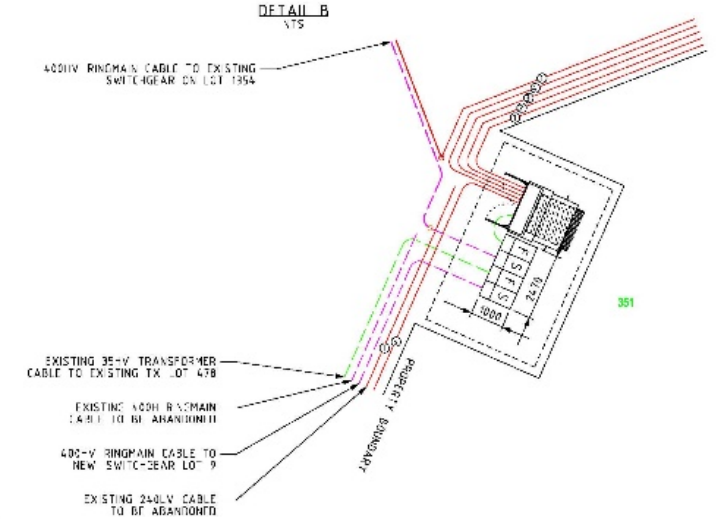
PROJECT No.	DRAWING No.	REVISION
41108	UP-780-P8	0

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DETAIL A
NTS



DETAIL B
NTS



TRANSFORMER SPECIFICATIONS AND LOCATION	FUSEWAY NO	CIRCUIT NO	FUSE AMPS	CABLE mm²	CIRCUIT NAME	VOLT DROP	AMPS	TOTAL AMPS
630kVA Tx-A LOT 9 22kV 656A ADMD 4.7kVA	1	1	315	240	POLE 1011074	---	---	894
	2	2	315	240	LOT 1992	1.86%	394	
	3	3	315	240	INTERCONNECTION TX LOT 351	2.34%	69A	
	4	4	315	---	SPARE		---	
	5	5	315	---	SPARE	---	---	

NOTE TO CABLE CONTRACTOR
EARTH RODS TO BE INSTALLED AS PER LATEST DSM & DOC MANUALS

REFER TO WESTERN POWER STANDARD DRAWINGS DSM-3-07 FOR LV ASSEMBLIES AND EQUIPMENT AND LV WIRE INSTALLATION DETAILS

Description	Recorder Level (1.2m)
Substation Site	---
11kV Pole Mounted Unit	---
Kiosk Site	---
Substation (22kV) - PS	---

NOTE
WESTERN POWER SITE TO BE INCORPORATED EITHER AS AN EXTENSION OF THE ROAD RESERVE OR PUBLIC OPEN SPACE. NO PIPES, DRAINS OR OTHER SERVICES ARE PERMITTED BENEATH SUBSTATION SITE

NOTE
SUBSTATION & HV SWITCHGEAR SITES ARE TO BE LEVELED ABOVE THE 1:100 YEAR AR EVENT PLUS 500mm FREEBOARD

TRANSFORMER SPECIFICATIONS AND LOCATION	FUSEWAY NO	CIRCUIT NO	FUSE AMPS	CABLE mm²	CIRCUIT NAME	VOLT DROP	AMPS	TOTAL AMPS
EXISTING 630kVA Tx-B LOT 351 22kV 656A ADMD 4.7kVA	1	1	315	240	LOT 353	0.75%	127A	222A
	2	2	315	240	LOT 368	1.91%	98A	
	3	3	315	240	LOT 373	1.20%	95A	
	4	4	315	240	L/EVS LOT 330		---	
	5	5	315	240	INTERCONNECTION TX LOT 9	---	---	

POLE LOCATIONS TABLE (PCG-94 COORDS)

Number	EASTING	NORTHING
LP-1	64001.60	247264.31
LP-2	64033.31	247207.62
LP-3	64035.59	247199.85
LP-4	64042.53	247139.99
LP-5	63980.30	247022.26
LP-6	64014.70	247066.69
LP-7	64046.67	247099.30
LP-8	64067.23	247102.46
LP-9	64084.51	247058.44
LP-10	64117.73	247098.46
LP-11	64130.94	246972.62
LP-12	64144.57	246936.70
LP-13	64157.26	246904.83
LP-14	64173.56	246863.17
LP-15	64188.97	246823.57
LP-16	64203.13	246783.73
LP-17	64229.50	246758.81
LP-18	64213.46	246741.40
LP-19	64249.46	246708.60
LP-20	64267.38	246683.18
LP-21	64285.79	246612.51
LP-22	64308.46	246554.09
LP-23	64285.67	246521.69
LP-24	64291.41	246482.16
LP-25	64252.59	246456.66
LP-26	64365.10	246594.50
LP-27	64348.69	246547.21
LP-28	64305.75	246525.78
LP-29	64336.56	246486.10
LP-30	64368.84	246432.80
LP-31	64383.58	246360.49
LP-32	64432.28	246330.62
LP-33	64474.91	246286.88
LP-34	64496.33	246243.12
LP-35	64517.74	246205.39
LP-36	64557.70	246222.51
LP-37	64612.36	246182.75
LP-38	64665.57	246165.66
LP-39	64724.14	246142.97
LP-40	64781.15	246114.19
LP-41	64781.91	246088.52
LP-42	64792.23	246064.97
LP-43	64820.28	246068.05
LP-44	64855.75	246035.75
LP-45	64865.77	246069.13
LP-46	64846.25	246035.90
LP-47	64846.42	246013.60
LP-48	64864.64	246179.65
LP-49	64836.50	246137.05
LP-50	64810.49	246134.05

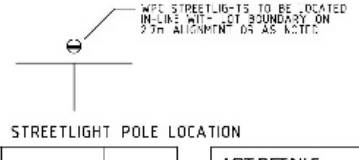
ASSEMBLY	QUANTITY
DN41 16mm SL CABLE	3583
DN42 25mm LV CABLE	18
DN43 240mm LV CABLE	1351
DN46 35mm HV CABLE	24
DN53 400mm HV CABLE	1754
DN54 CABLE PROTECTOR SLAB	450
DN61122 CABLE PROTECTOR ROLL	8
DN74215 CAP ENDS	10
DN75135/185 CAP ENDS	2
DN77150/240 CAP ENDS	98
DN79195 CAP ENDS	6
DN81LVMAINS CAP ENDS	14
DM11HRD STD POLE 12.5m	8
DM20HRD STD 3m SOR	24
DM21HRD STD 3m DOR	25
DM12HRD STD POLE 10.5m	42
DM496 HRD PARKVILLE LED 6C	75
HJ15 630/22 630kVA FUSE CATRIDGE	1
HJ15630/22 630kVA TRANSFORMER	1
HJ59 22 ELBOW	1
HJE5400 NEX EXTENSIBLE 2-1 SWITCHGEAR	1
LJ10 MINI PILLAR	3
LJ11 UNI PILLAR	2
LJ24 240 CABLE TO FUSE SWITCH	3
LJ36 LINK TERMINAL LINK	1
LJ5 TT JOINT	9
LJ7 240 UN PILLAR TERMINATION	6

THE MATERIALS LIST SUPPLIED WITH THIS DRAWING IS A SUMMARY LIST ONLY AND IS PROVIDED FOR YOUR ASSISTANCE. UNDER OPTION B, FINAL QUANTITIES ARE THE CONTRACTORS RESPONSIBILITY SEE SECTION 5.2 OF THE HANDBOOK FOR DEVELOPERS (DSB 25/2)

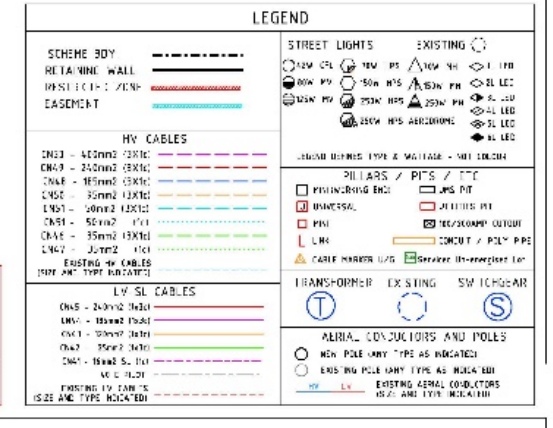
NOTE ALL UNMETERED SUPPLIES (including CUSTOMER AND WESTERN POWER STREETLIGHTING ASSETS)

TYPE OF EQUIPMENT	NO of UNITS	UNIT WATTAGE	TOTAL WATTAGE	DAILY HRS OPERATION	WPC Asset Yes / No
12.5m SOR Standard Pole, LED Luminaire - Heritage Rec	4	150W	620W	Dusk/Dawn	YES
12.5m SOR Standard Pole, LED Luminaire - Heritage Rec	27	112W	6570W	Dusk/Dawn	YES
12.5m SOR Standard Pole, LED Luminaire - Heritage Rec	8	150W	1240W	Dusk/Dawn	YES

NOTE ALL UNMETERED SUPPLIES and STREETLIGHTS MUST BE INCLUDED IN DESIGN DRAWING



STREETLIGHT POLE LOCATION



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DIAL1100 BEFORE YOU DIG

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LOT DETAILS
Residential Lots: 0
Group Housing : 0
Commercial: 0
Pumps: 0
Other: 0

WESTERN POWER REF	LATITUDE	LONGITUDE
ML010552	32<06'17"S	115<58'06"E

0 5 10 25
A1 @ 1:500 (A3 @ 1:1000)

WAPC No.	COORDINATES	DATUM
N/A	PCG - 94	A.H.D.

CLIENT
CITY OF GOSNELLS

PROJECT
SOUTHERN RIVER PRECINCT 3

TITLE
STREETLIGHTING PLAN

WOOD & GREVE ENGINEERS
Stantec

PRELIMINARY
NOT FOR CONSTRUCTION
UNDERGROUND POWER

PROJECT No.	DRAWING No.	REVISION
41108	UP-780-P9	0

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LOCATION PLAN
1:3000 @ A1

SOUTHERN RIVER, WA

PRECINCT 3

BALANNUP & FORRESTDALE MAIN DRAIN

LANDSCAPE CONTRACT: WGE-01

LANDSCAPE WORKS

CLIENT:CITY OF GOSNELLS

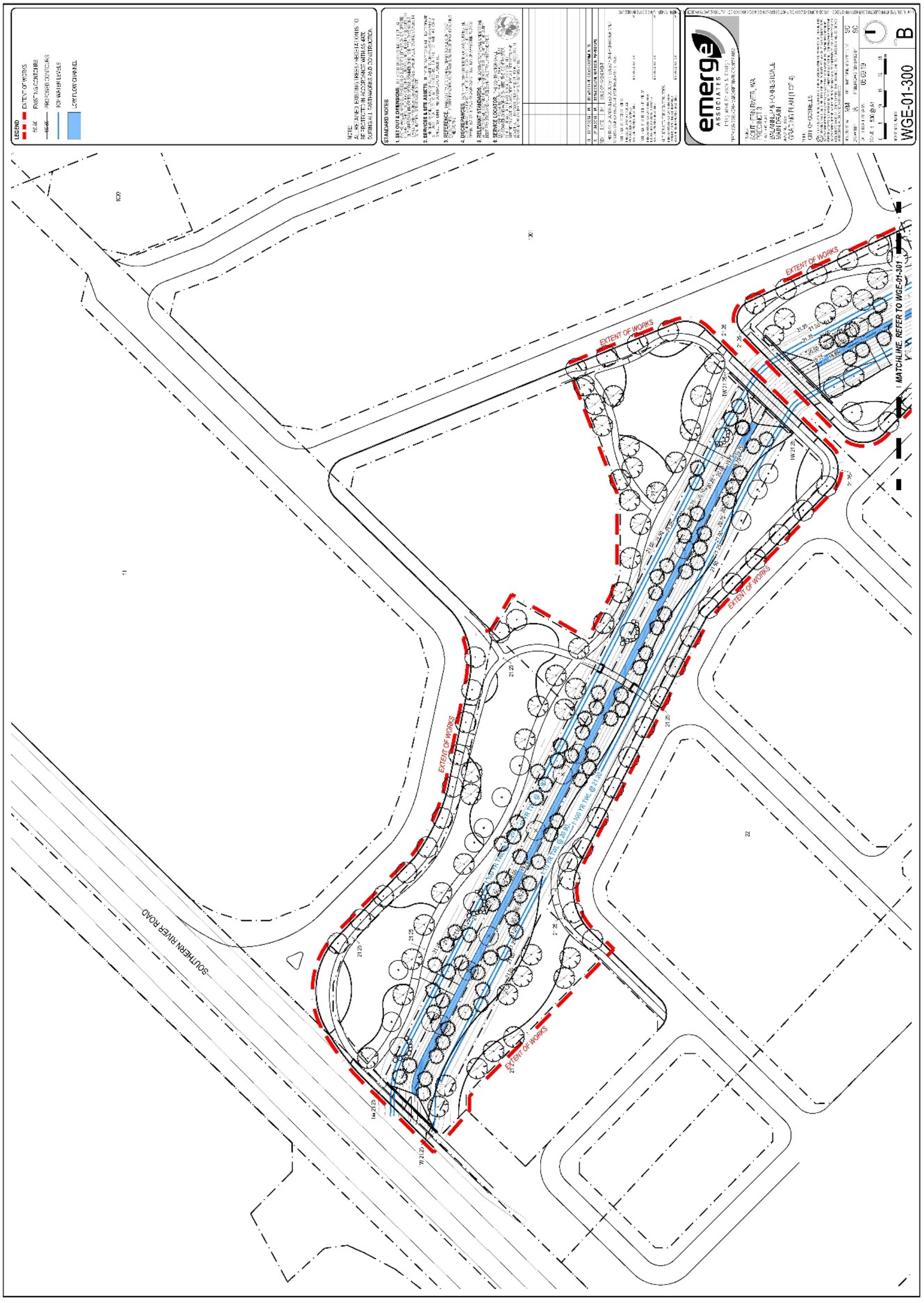
ISSUE FOR: ***REVISED PER CoG COMMENTS***

DATE: **DECEMBER 2019**

SHEET LIST TABLE		
SHEET	REV	SHEET TITLE
WGE-01-000	B	COVER PAGE
WGE-01-300	B	GRADING PLAN (1 OF 4)
WGE-01-301	B	GRADING PLAN (2 OF 4)
WGE-01-302	B	GRADING PLAN (3 OF 4)
WGE-01-303	B	GRADING PLAN (4 OF 4)
WGE-01-400	B	HARDSCAPE PLAN (1 OF 4)
WGE-01-401	B	HARDSCAPE PLAN (2 OF 4)
WGE-01-402	B	HARDSCAPE PLAN (3 OF 4)
WGE-01-403	B	HARDSCAPE PLAN (4 OF 4)
WGE-01-500	B	SOFTSCAPE PLAN (1 OF 4)
WGE-01-501	B	SOFTSCAPE PLAN (2 OF 4)
WGE-01-502	B	SOFTSCAPE PLAN (3 OF 4)
WGE-01-503	B	SOFTSCAPE PLAN (4 OF 4)
WGE-01-900	B	TYPICAL HARDWORKS DETAILS
WGE-01-910	B	TYPICAL WALL DETAILS
WGE-01-951	B	DECKING DETAIL
WGE-01-960	B	PLAY EQUIPMENTS DETAILS
WGE-01-970	B	TYPICAL SOFTWORKS DETAILS
WGE-01-950	B	PARK FURNITURE DETAILS

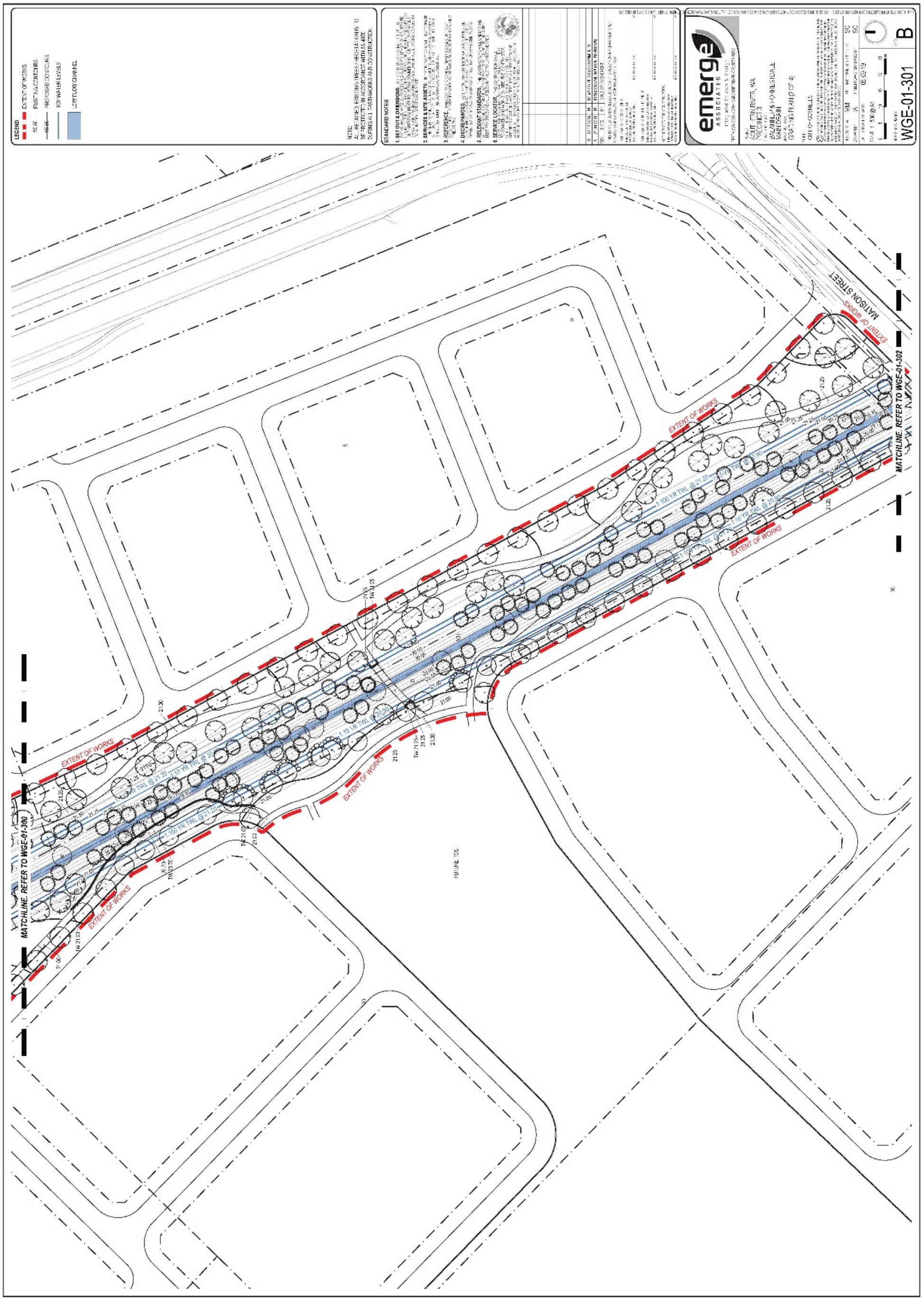
emerge ASSOCIATES
Integrated Science & Design

Balannup & Forrestdale Drain – Landscape Works Grading Plan 1



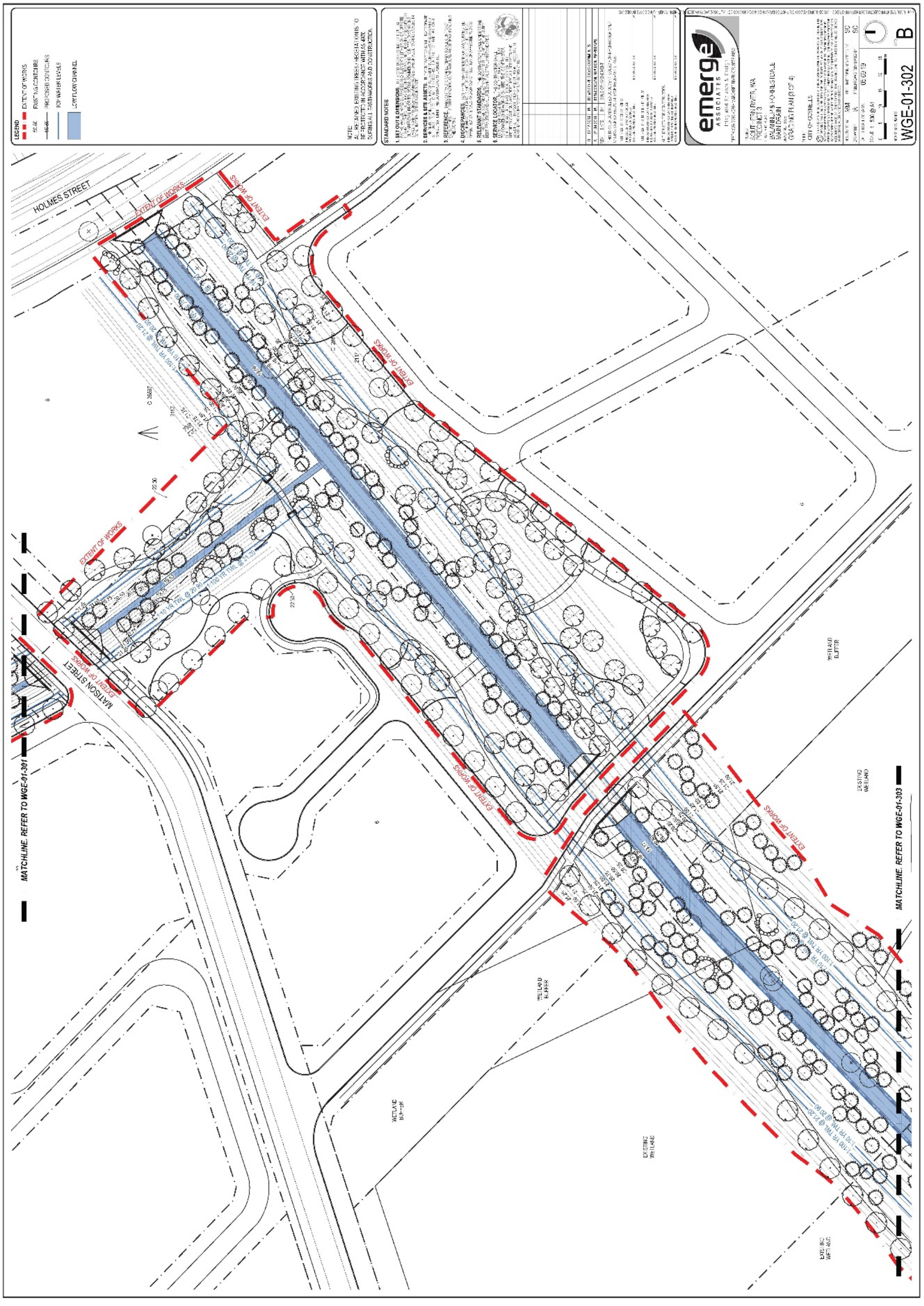
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Version: 1, Version Date: 20/10/2026

Balannup & Forrestdale Drain – Landscape Works Grading Plan 2



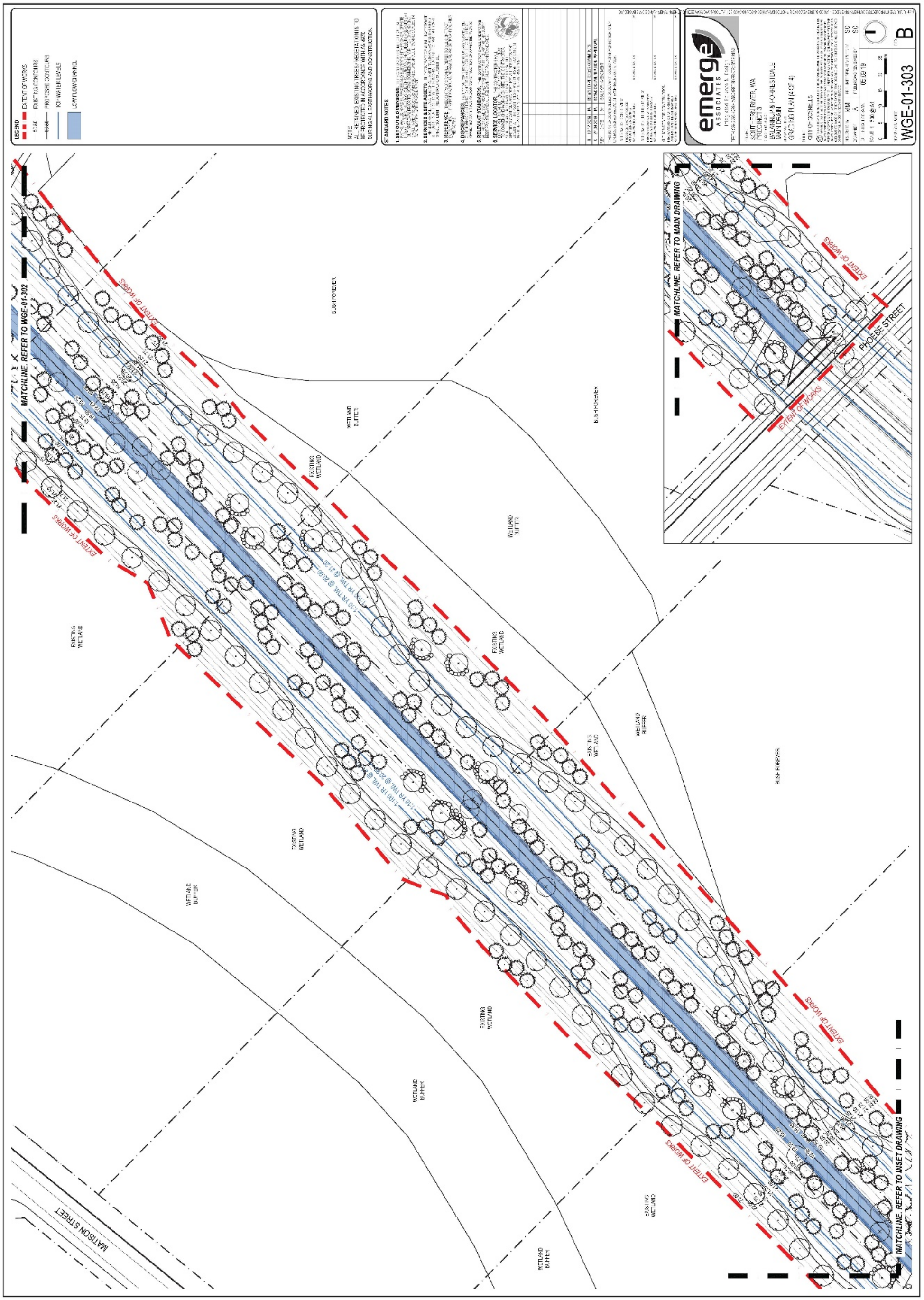
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Balannup & Forrestdale Drain – Landscape Works Grading Plan 3



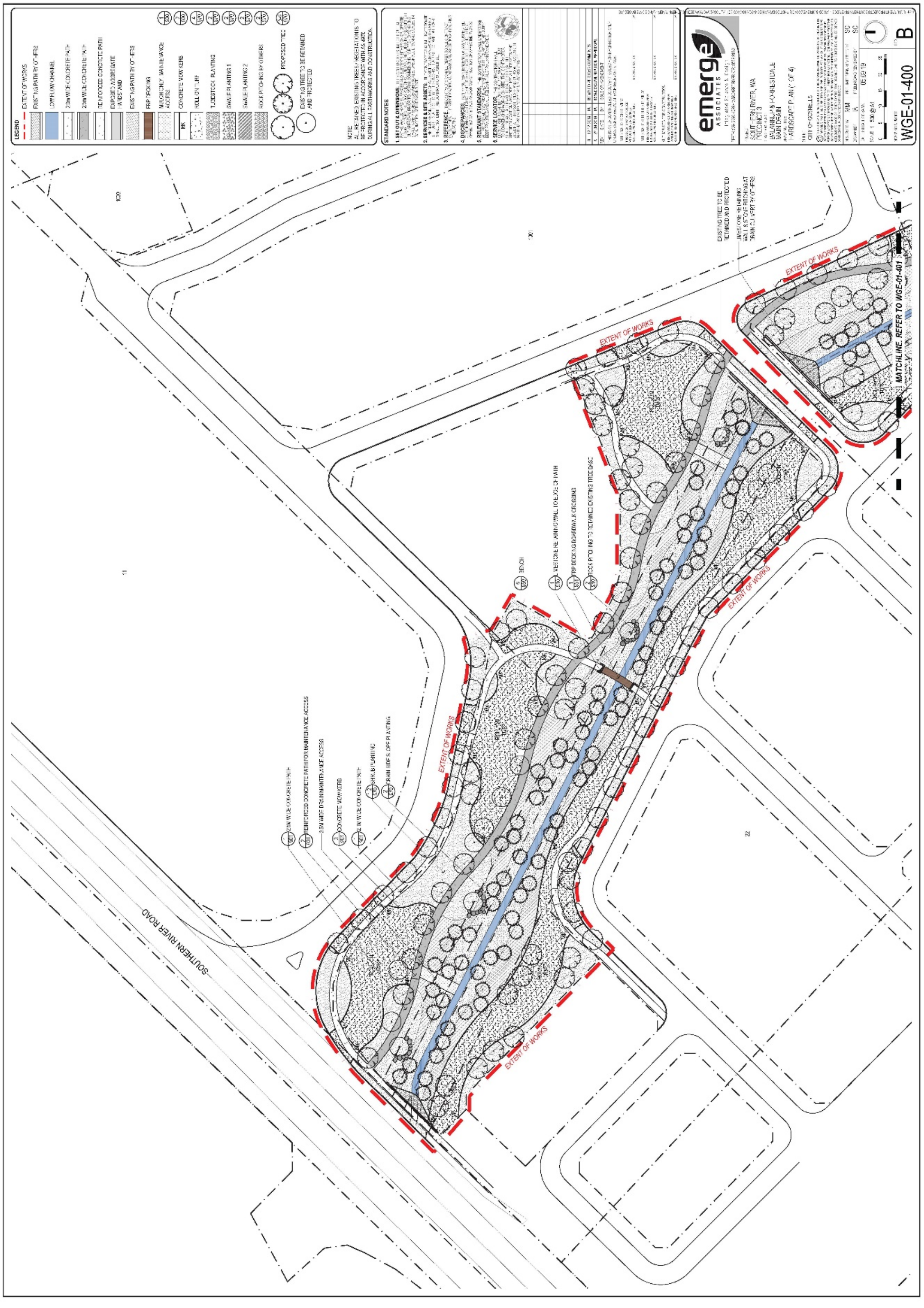
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Balannup & Forrestdale Drain – Landscape Works Grading Plan 4



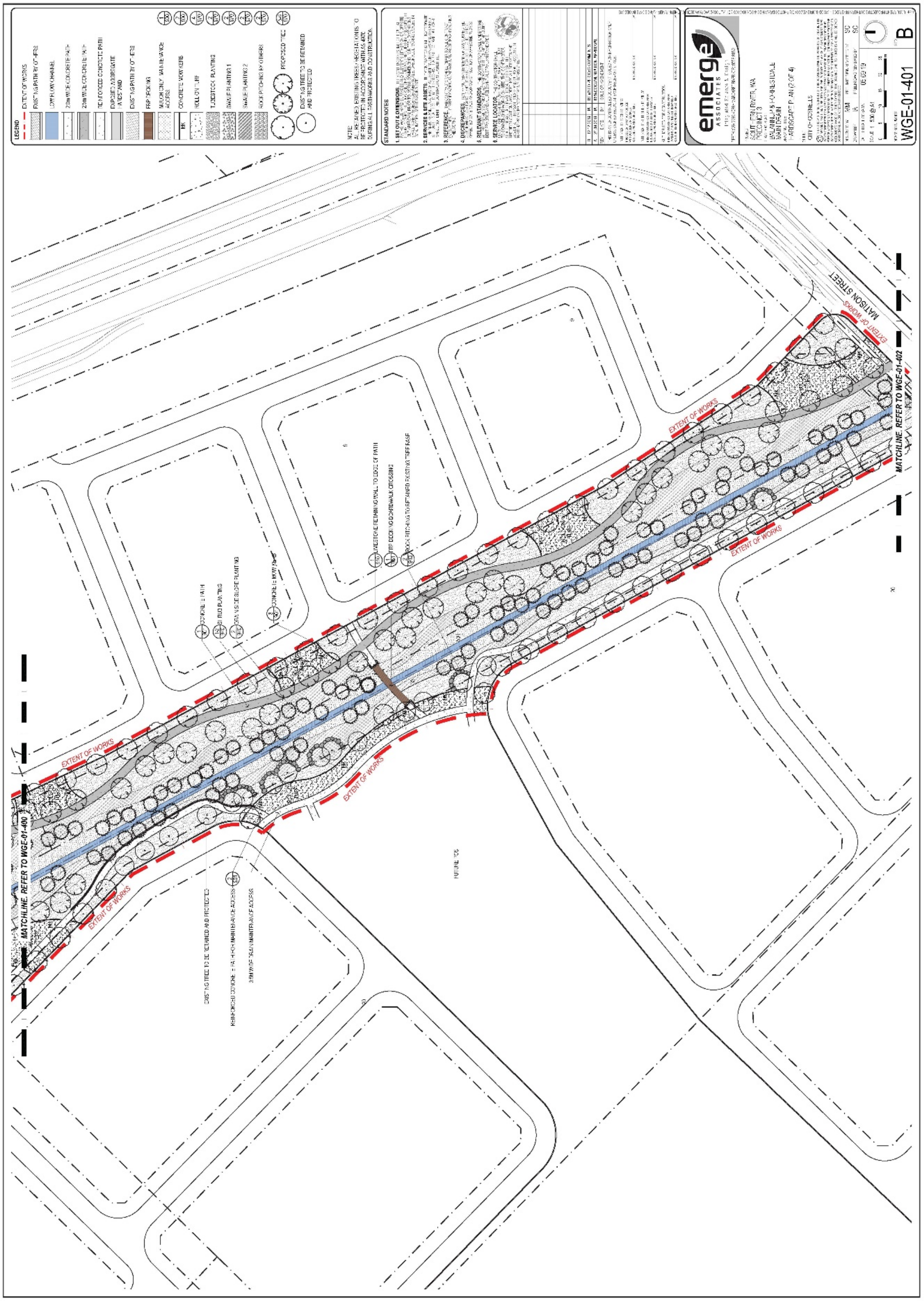
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Version: 1, Version Date: 20/10/2026

Balannup & Forrestdale Drain – Landscape Works Hardscape Plan 1



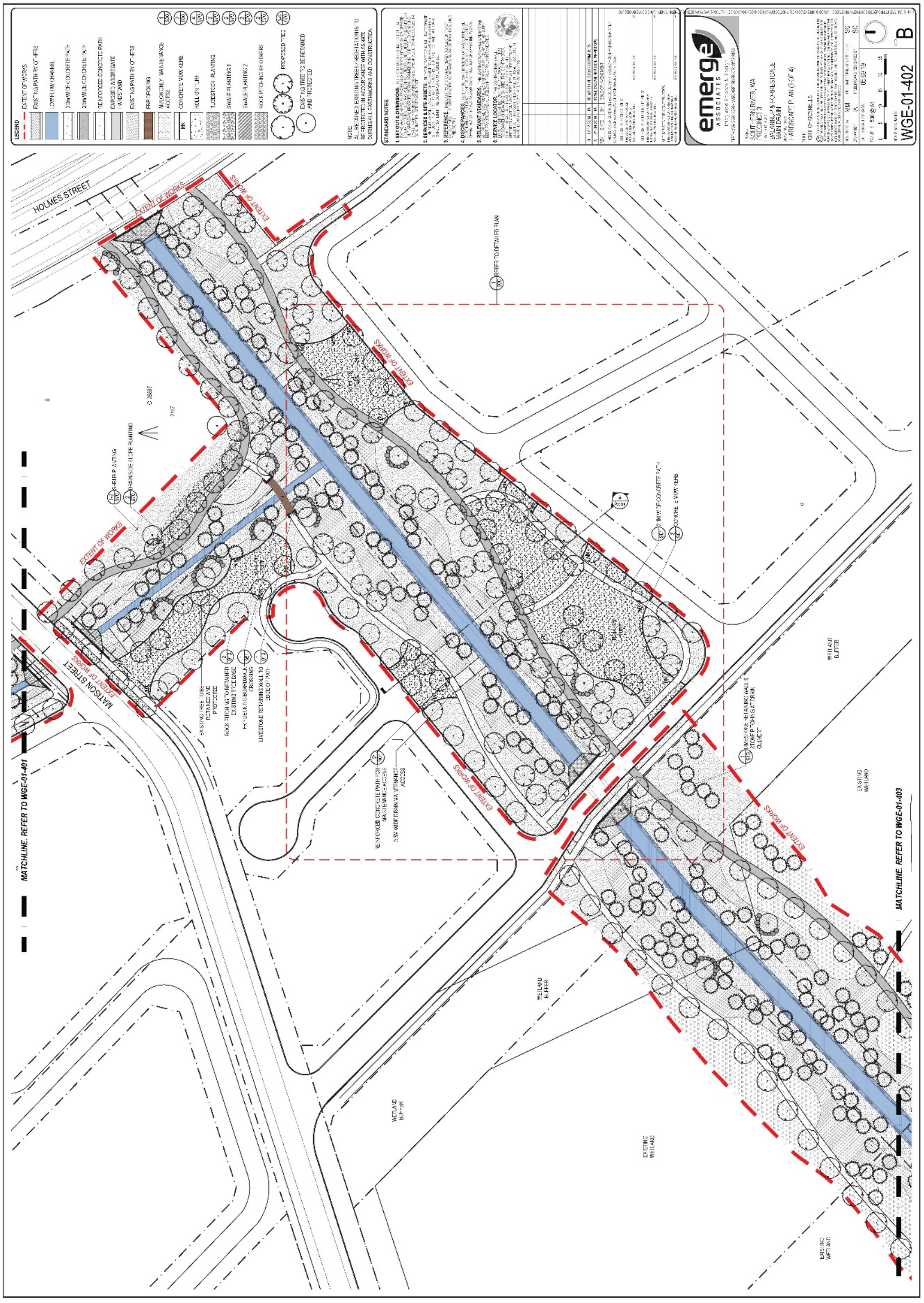
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Version: 1, Version Date: 20/10/2026

Balannup & Forrestdale Drain – Landscape Works Hardscape Plan 2



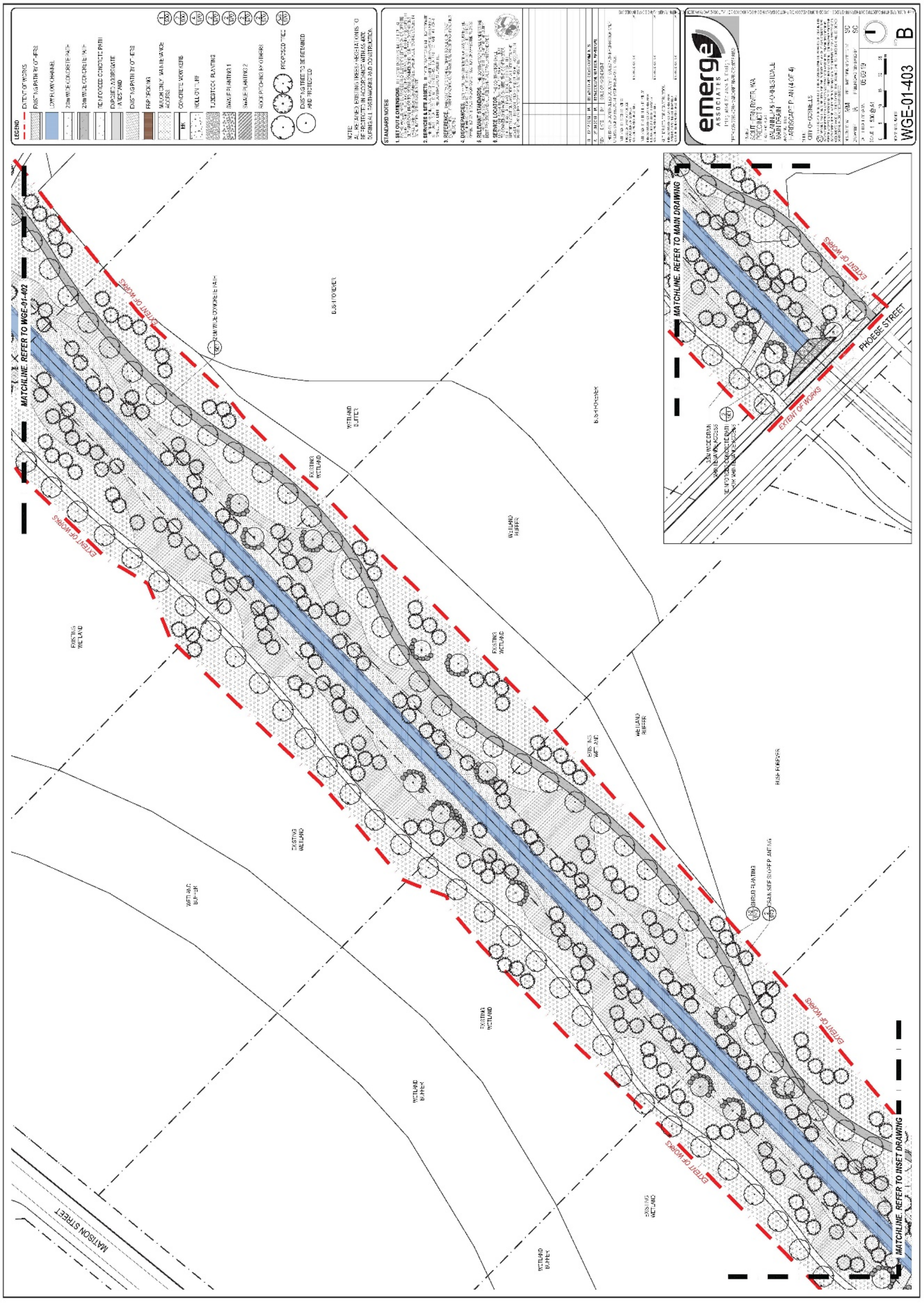
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Version: 1, Version Date: 20/10/2026

Balannup & Forrestdale Drain – Landscape Works Hardscape Plan 3



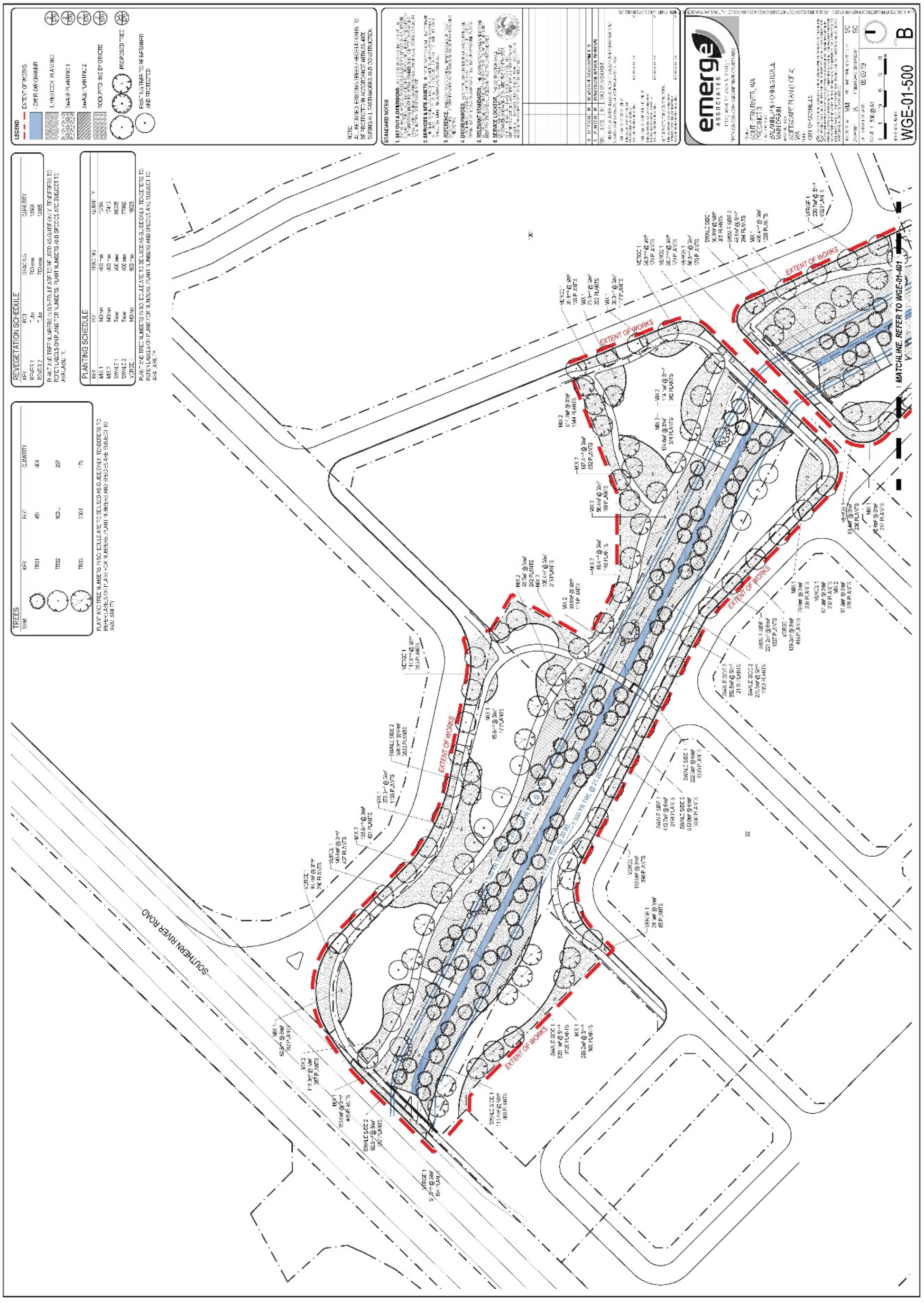
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Balannup & Forrestdale Drain – Landscape Works Hardscape Plan 4



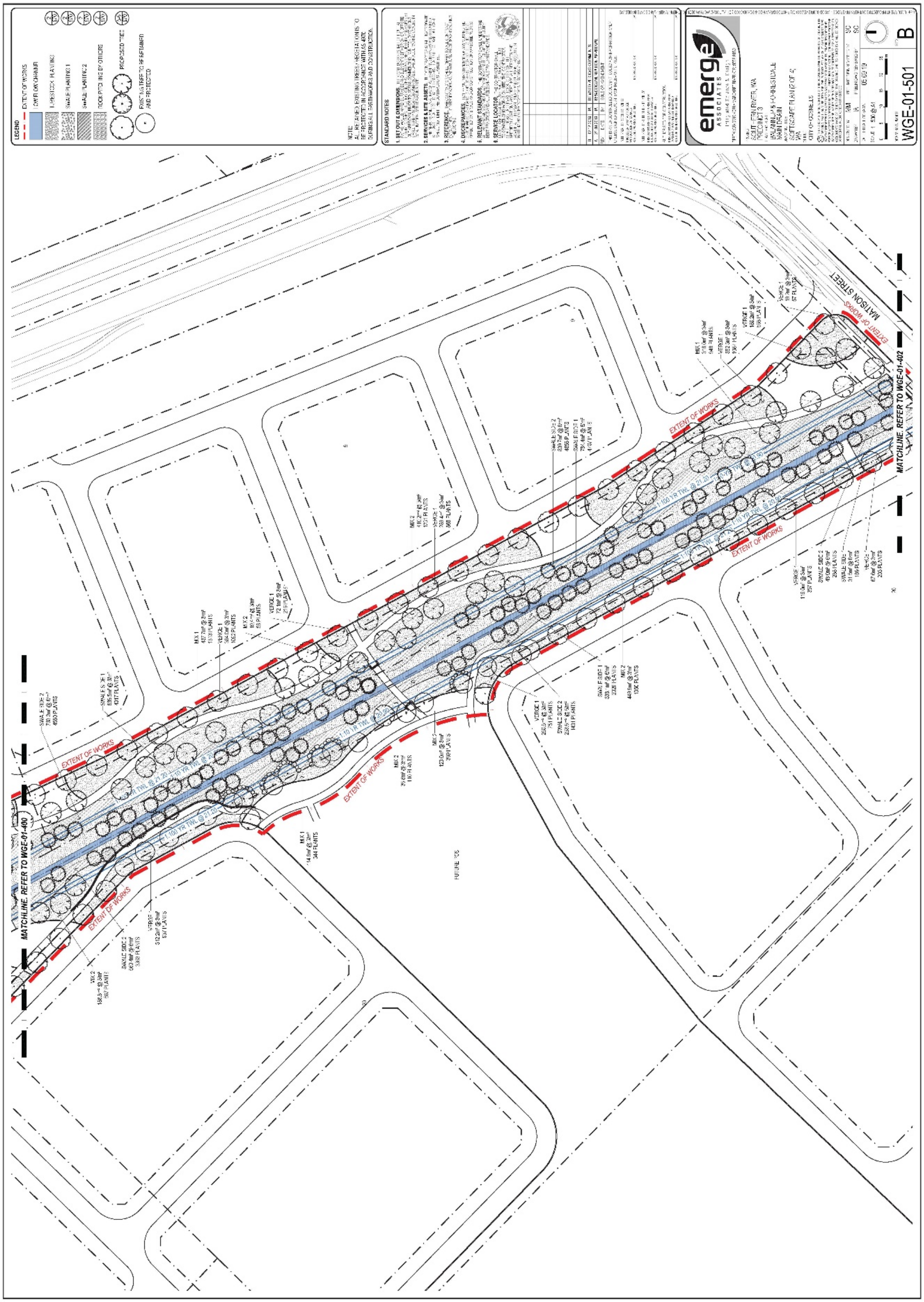
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Balannup & Forrestdale Drain – Landscape Works Softscape Plan 1



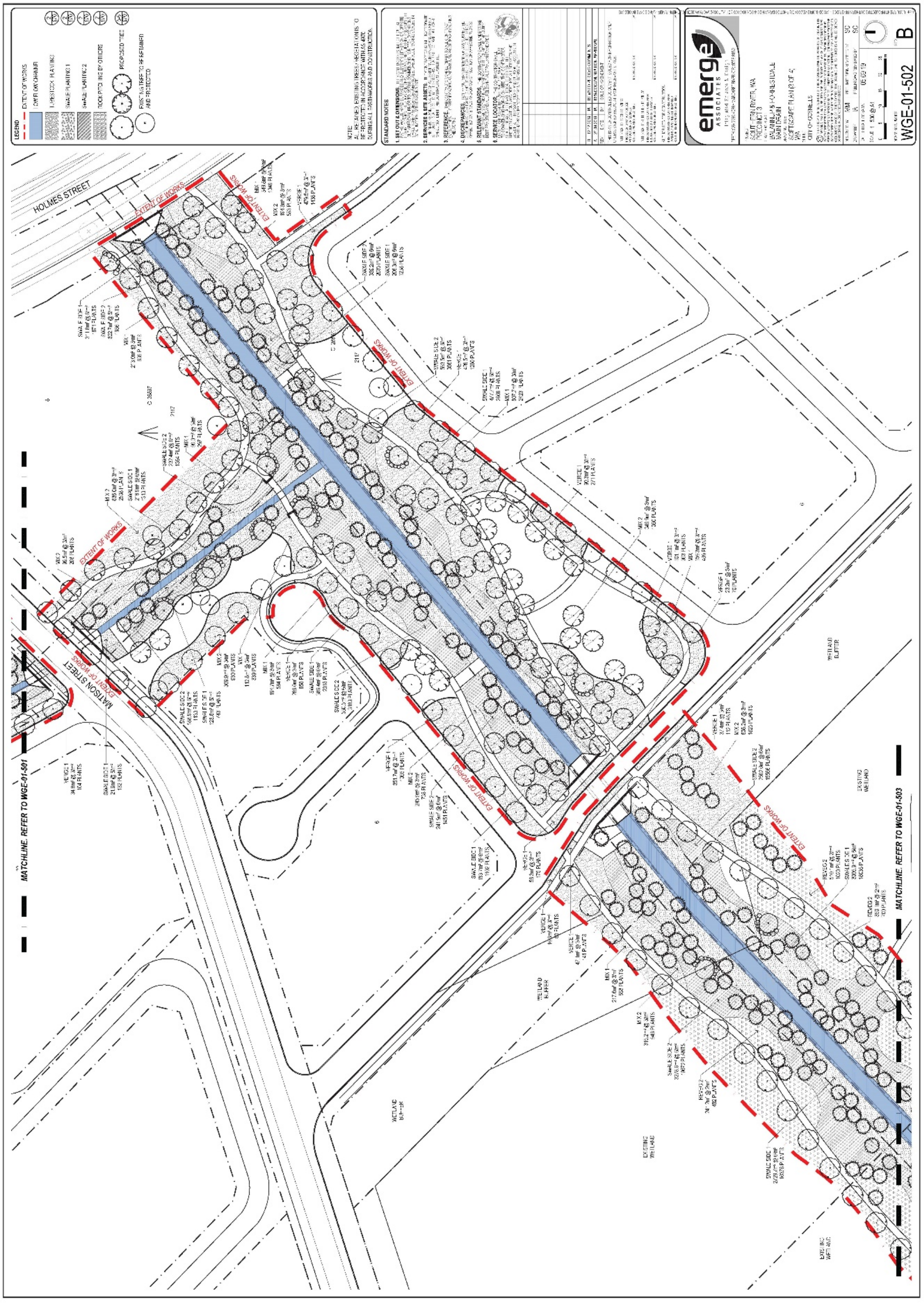
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Balannup & Forrestdale Drain – Landscape Works Softscape Plan 2



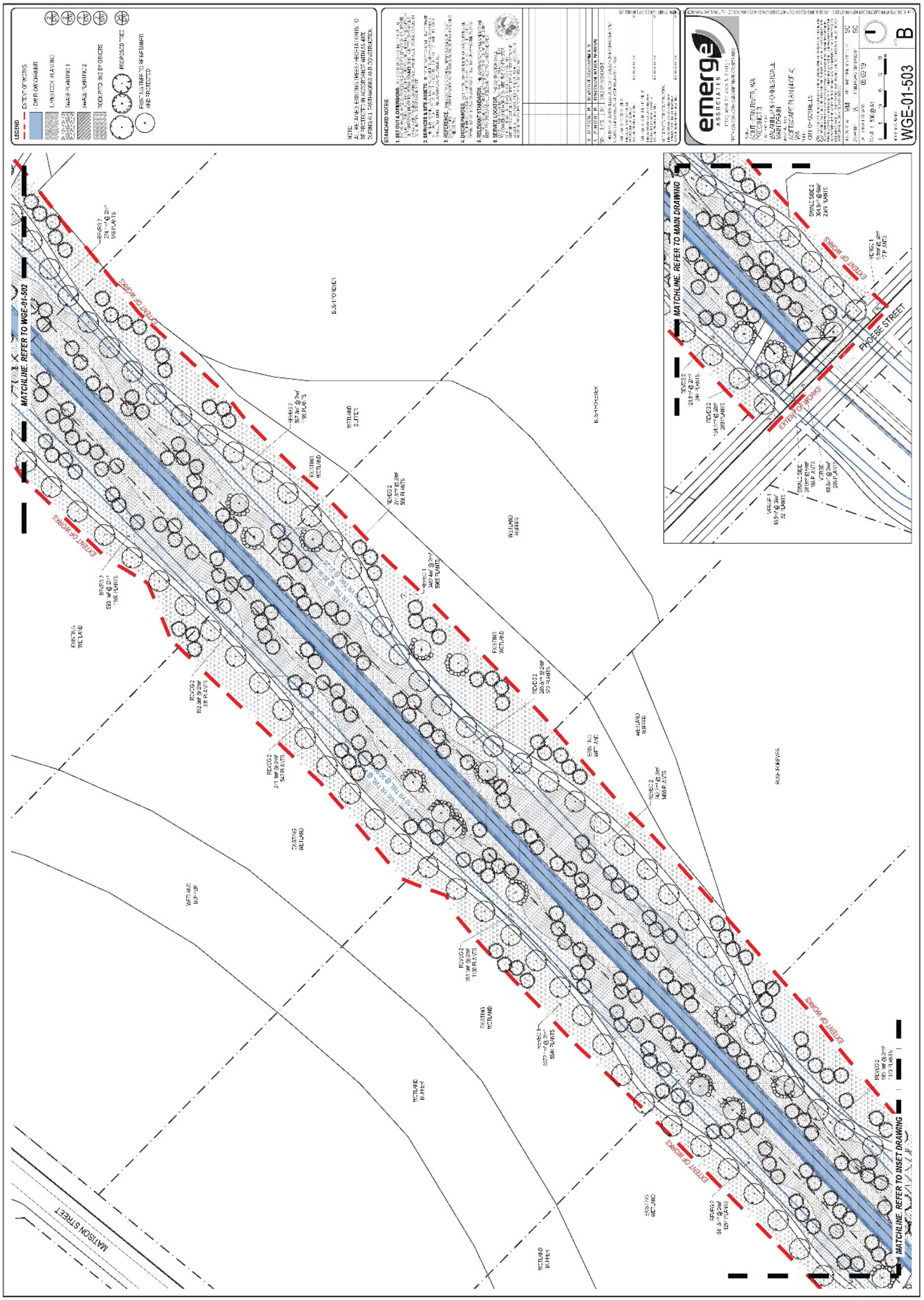
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Balannup & Forrestdale Drain – Landscape Works Softscape Plan 3



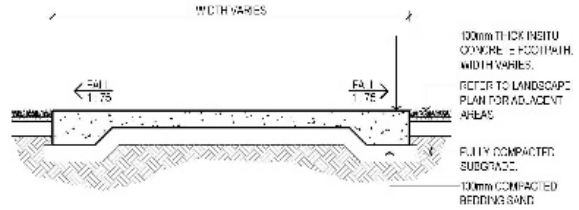
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Balannup & Forrestdale Drain – Landscape Works Softscape Plan 4



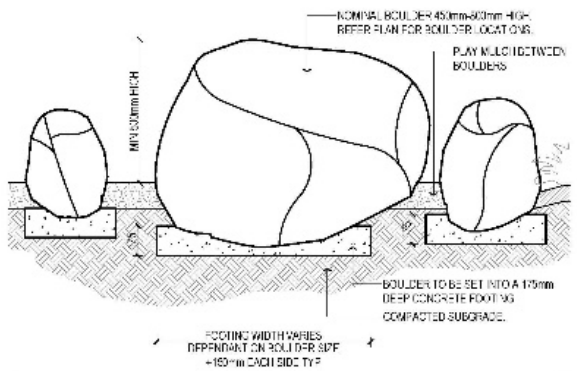
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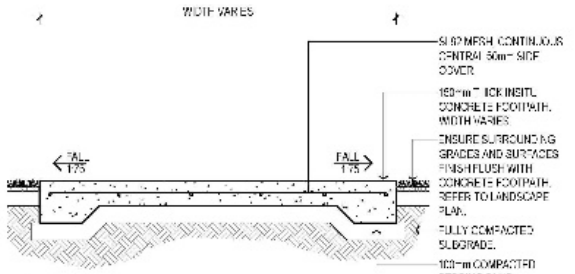
NOTES
1. FOUNDATION TO BE COMPACTED TO 95% MDD
2. ALL CONCRETE FOOTPATH CONSTRUCTION TO BE A MIN 25MPa 20mm AGGREGATE AND MAX SLUMP OF 75mm
3. BEDDING - SAND (100mm MIN NOM)
4. EXPANSION JOINT EVERY 10.0M. SEE DETAIL 4/903
5. CONTRACTION JOINT EVERY 2.0M. SEE DETAIL 5/900
6. SURFACE TO BE BROOM FINISH, NON SLIP, WITH SMOOTH EDGE APPROX 75mm WIDE AT EDGES AND JOINTS.
7. LONGITUDINAL GRADES SHOULD NOT EXCEED 1 IN 20.
8. CROSS FALLS - 1:33M, GRADE IS GREATER THAN 1 IN 14, LANDINGS WILL BE PROVIDED EVERY 9m.
9. VERTICAL CLEARANCES ALONG PATH SHOULD BE A MINIMUM OF 3m
10. WHERE STREET FURNITURE (POLES, BINS, BOLLARDS, RUBBISH BINS, POSTS, ETC) ARE LOCATED IN PATH, A MIN UNOBSTRUCTED WIDTH OF 1.2m MUST BE MAINTAINED.

1/901 INSITU CONCRETE FOOTPATH - TYPICAL
SECTION SCALE 1:20



NOTES
LIMESTONE BOULDERS TO BE SOURCED AND INSTALLED. MIN HEIGHT SIZE 450mm - MAX SIZE 600mm
GENERALLY BOULDERS TO BE BURIED APPROX 1/3 OF EXPOSED HEIGHT AND INSTALLED WITH A MORTAR BED

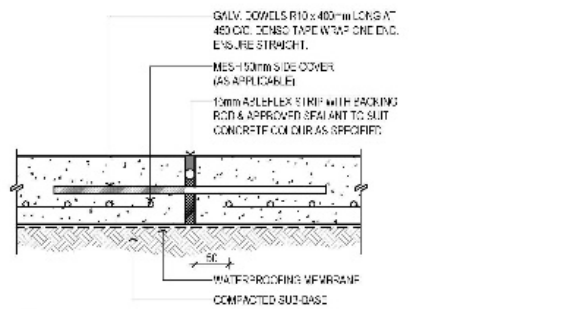
6/900 FEATURE BOULDERS @ MULCH
SECTION SCALE 1:20



2/901 REINFORCED CONCRETE PATH FOR MAINTENANCE VEHICLE ACCESS
SECTION SCALE 1:20

NOTES:
1. KERB ALIGNED PATH JOINTS TO MATCH KERB JOINTS WHERE POSSIBLE
2. ALL CONCRETE TO BE 32MPa @ 28 DAYS
3. CONTRACTION JOINTS RULED / STAMPED AT 2.5M INTERVALS
4. EXPANSION JOINTS 5.0M INTERVALS TO LINE UP WITH FOOTPATH JOINTS

3/901 MOWING KERB
SECTION SCALE 1:10



4/901 TYPICAL EXPANSION JOINT DETAIL (NON-TRAFFICABLE)
SECTION SCALE 1:5



5/901 TYPICAL CONTRACTION JOINT
SECTION SCALE 1:5

STANDARD NOTES

1. SET OUT & DIMENSIONS.
2. SERVICES & SITE ASSETS.
3. REFERENCE.
4. DISCREPANCIES.
5. RELEVANT STANDARDS.
6. SERVICE LOCATOR.

REV	DATE	BY	DESCRIPTION
C	10.12.2019	D	REVISED AS PER COMMENTS
B	29.08.2019	WL	PRELIMINARY FOR REVIEW/APPROVAL

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PROJECT
SOUTHERN RIVER, WA
PRECINCT 3
SUBDIVISION
BALANNUP & FORRESTDALE MAIN DRAIN
DRAWING TITLE
TYPICAL HARDWORKS DETAILS
WA
TITLE
CITY OF GOSNELLS

DESIGNED	WM	PRELIMINARY NOT FOR CONSTRUCTION	SC
DRAWN	IA	DETAILED DESIGN	SC
DATE INITIAL DRAWING	05.09.19		

SCALE AS SHOWN
DRAWING NUMBER WGE-01-900
REV B

Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026



SOUTHERN RIVER, WA

PRECINCT 3

HOLMES STREET

LANDSCAPE CONTRACT: WGE-HS

LANDSCAPE WORKS

CLIENT:CITY OF GOSNELLS

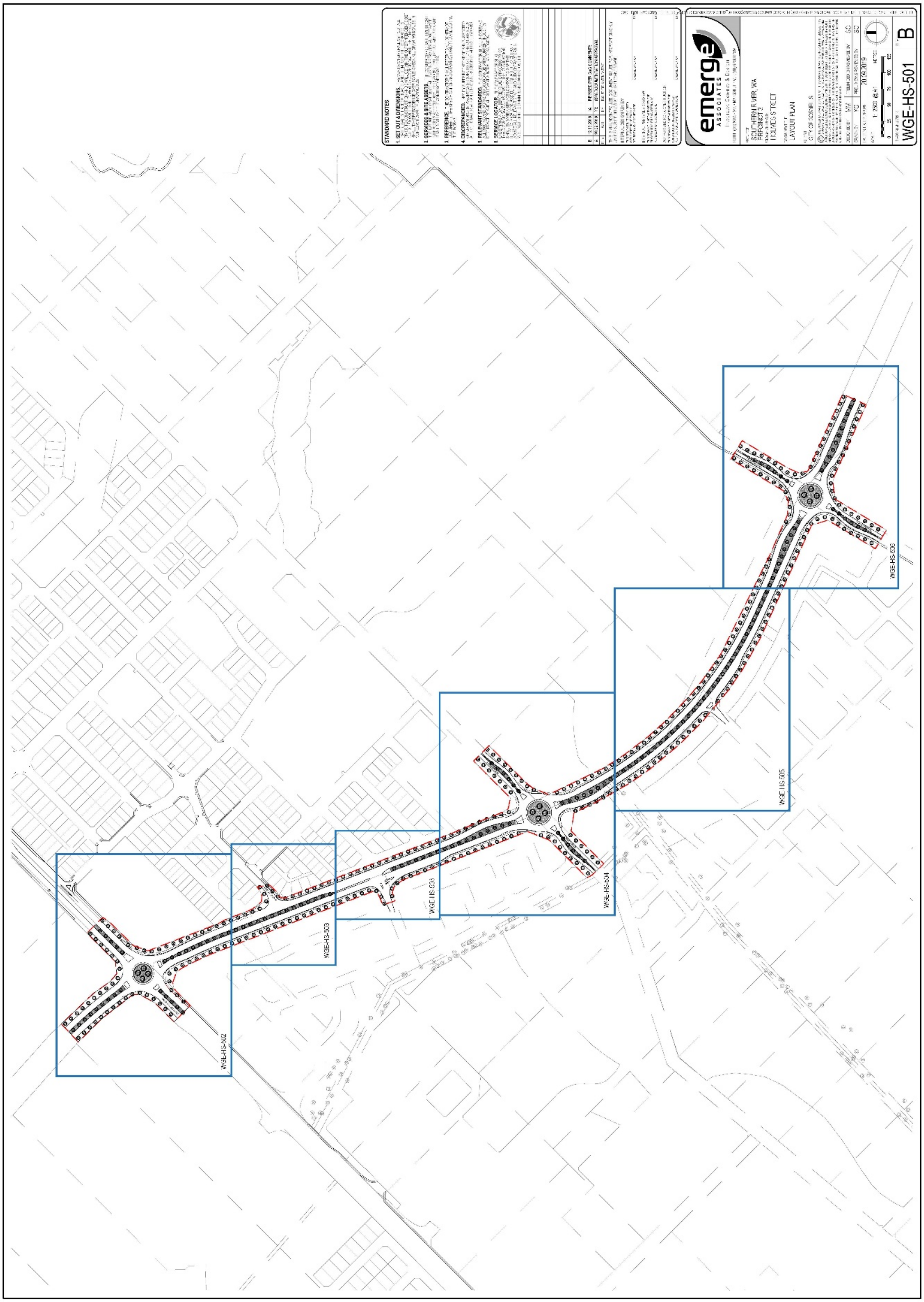
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DATE: **DECEMBER 2019**

SHEET LIST TABLE		
SHEET	REVISION	SHEET TITLE
WGE-HS-000	B	COVER PAGE
WGE-HS-501	B	LAYOUT PLAN
WGE-HS-502	B	LANDSCAPE PLANTING PLAN 1 OF 5
WGE-HS-503	B	LANDSCAPE PLANTING PLAN 2 OF 5
WGE-HS-504	B	LANDSCAPE PLANTING PLAN 3 OF 5
WGE-HS-505	B	LANDSCAPE PLANTING PLAN 4 OF 5
WGE-HS-506	B	LANDSCAPE PLANTING PLAN 5 OF 5
WGE-HS-970	B	TYPICAL SOFTWORKS DETAILS

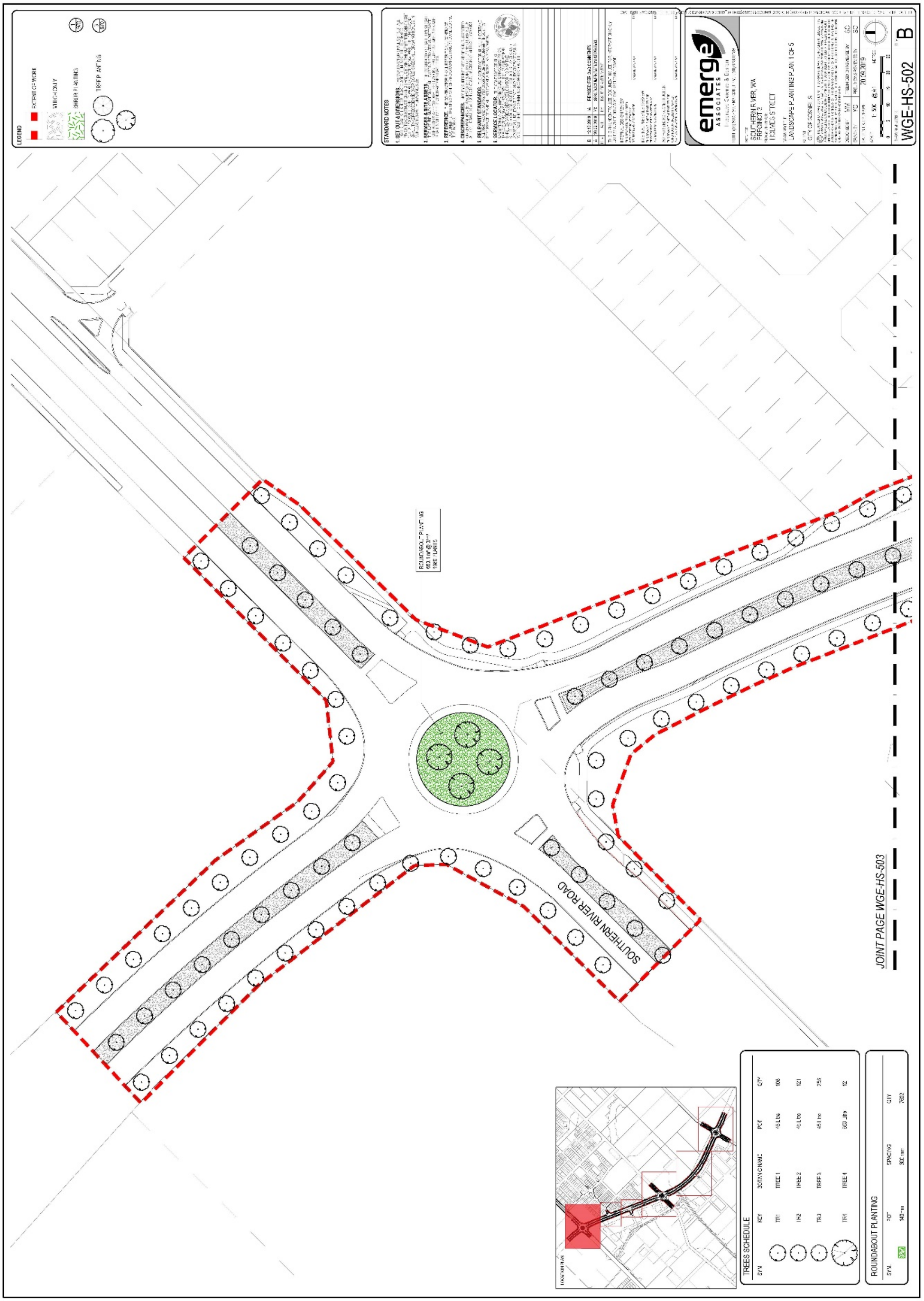
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Holmes Street Landscape Works Layout Plan



Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Holmes Street Landscape Works Planting Plan 1



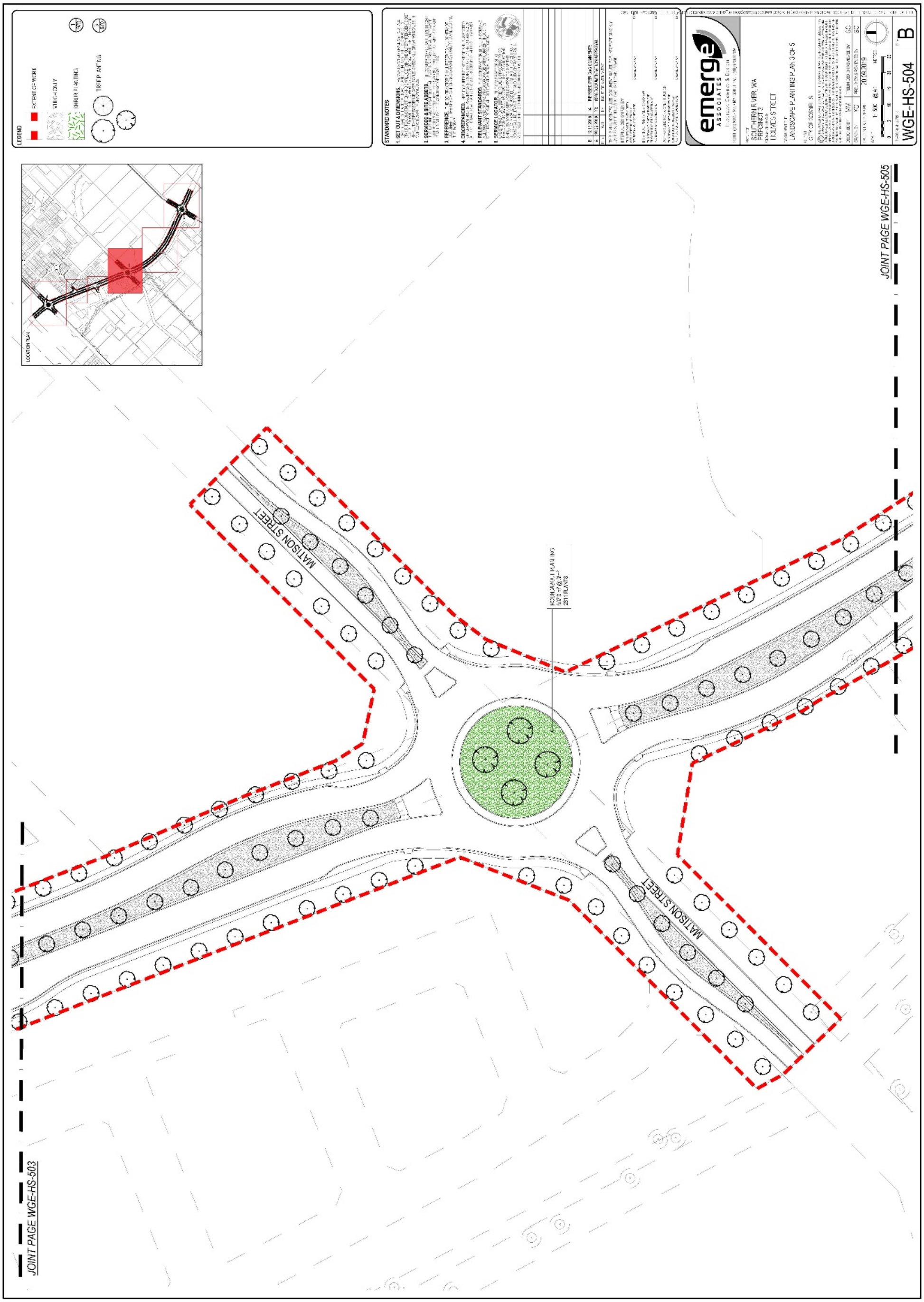
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Holmes Street Landscape Works Planting Plan 2



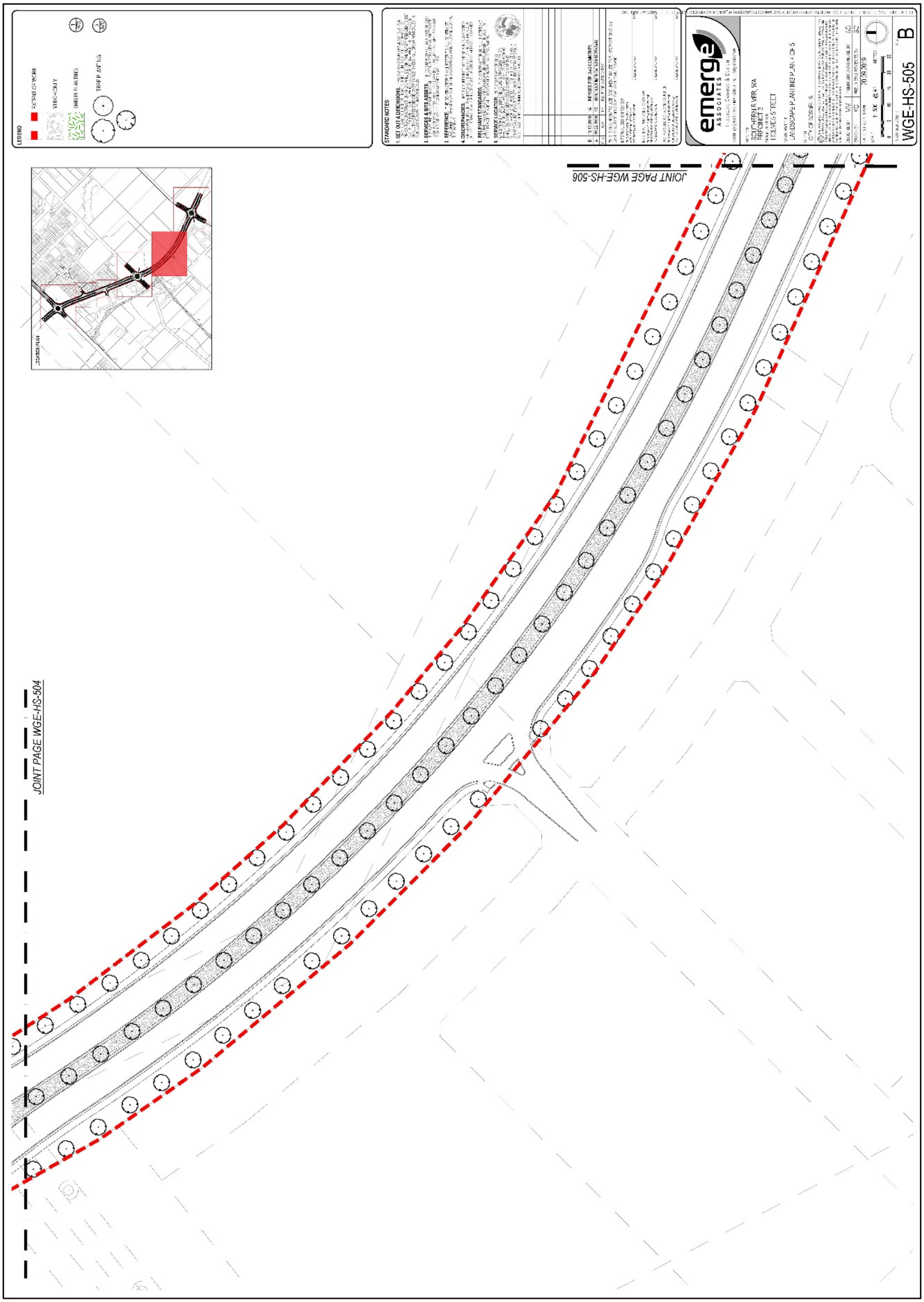
Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Holmes Street Landscape Works Planting Plan 3



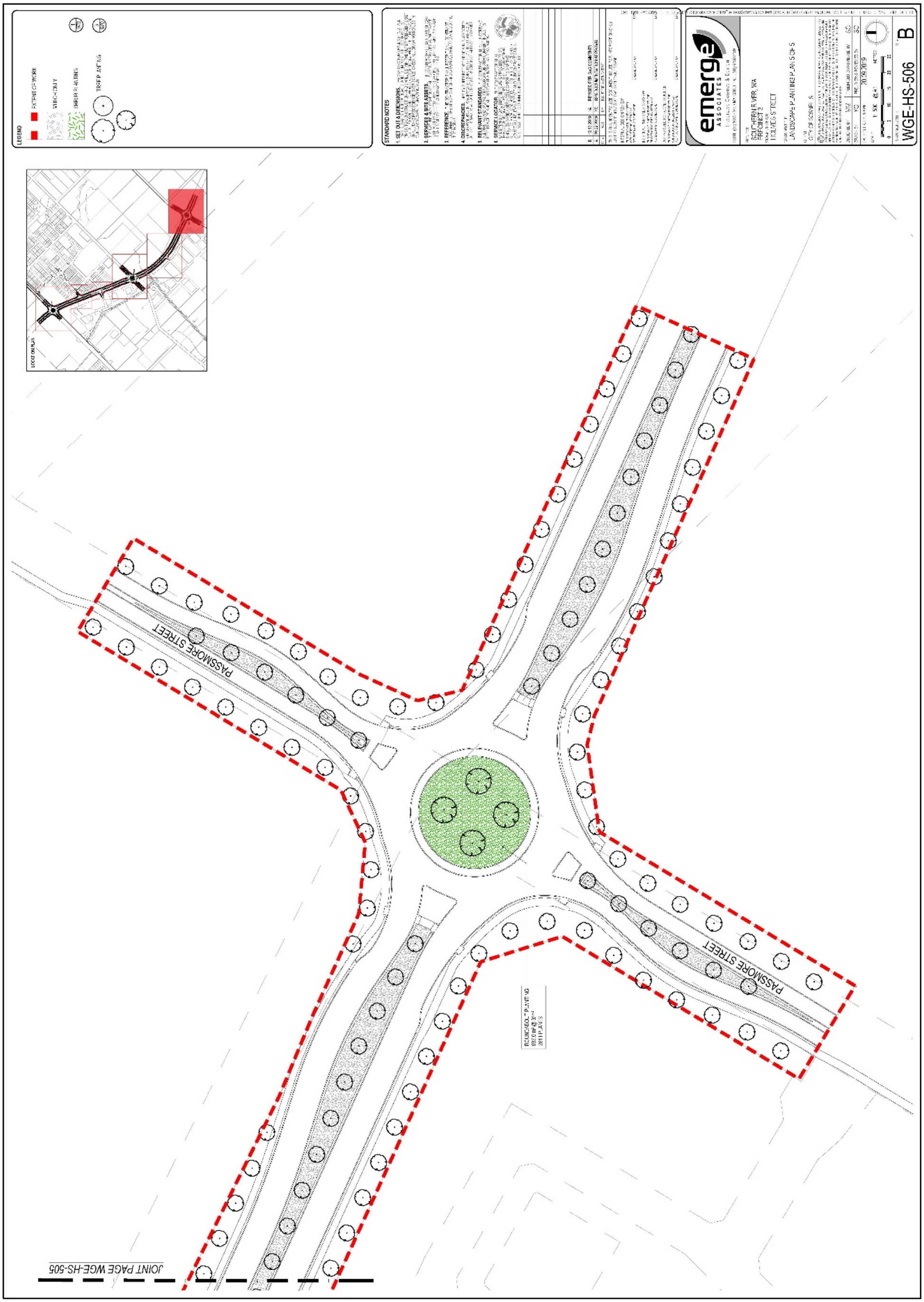
Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Holmes Street Landscape Works Planting Plan 4

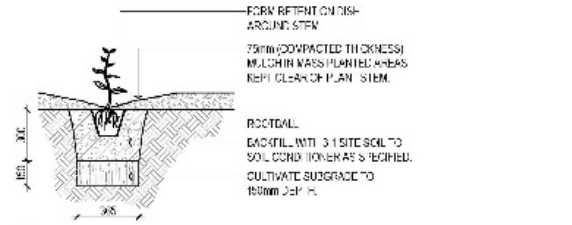


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Version: 1, Version Date: 20/10/2026

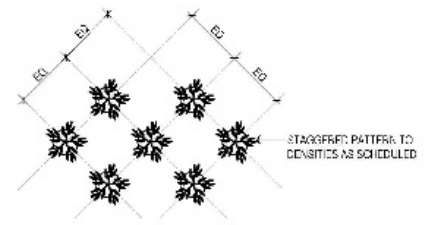
Holmes Street Landscape Works Plan 5



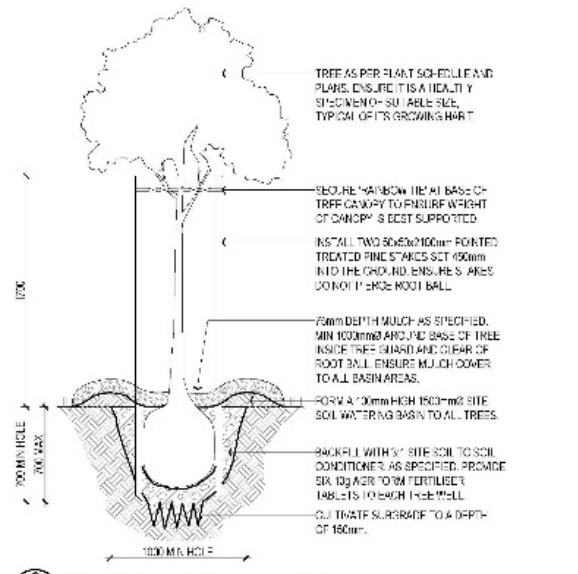
Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026



1 970 140mm - 200mm POT PLANTING
SECTION SCALE 1:20



2 970 TYPICAL STAGGERED PLANTING PATTERN
PLAN SCALE 1:20



3 970 TYPICAL 100 & 200 LITRE TREE PLANTING
SECTION SCALE 1:25

STANDARD NOTES

1. **SET OUT & DIMENSIONS.**
2. **SERVICES & SITE ASSETS.**
3. **REFERENCE.**
4. **DISCREPANCIES.**
5. **RELEVANT STANDARDS.**
6. **SERVICE LOCATOR.**

B	12.12.19	NA	REVISED PER Q+C COMMENTS
A	09.12.19	YC	ISSUED DOCUMENT AT CONCEPTUAL

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PROJECT
SOUTHERN RIVER, WA
PRECINCT 3

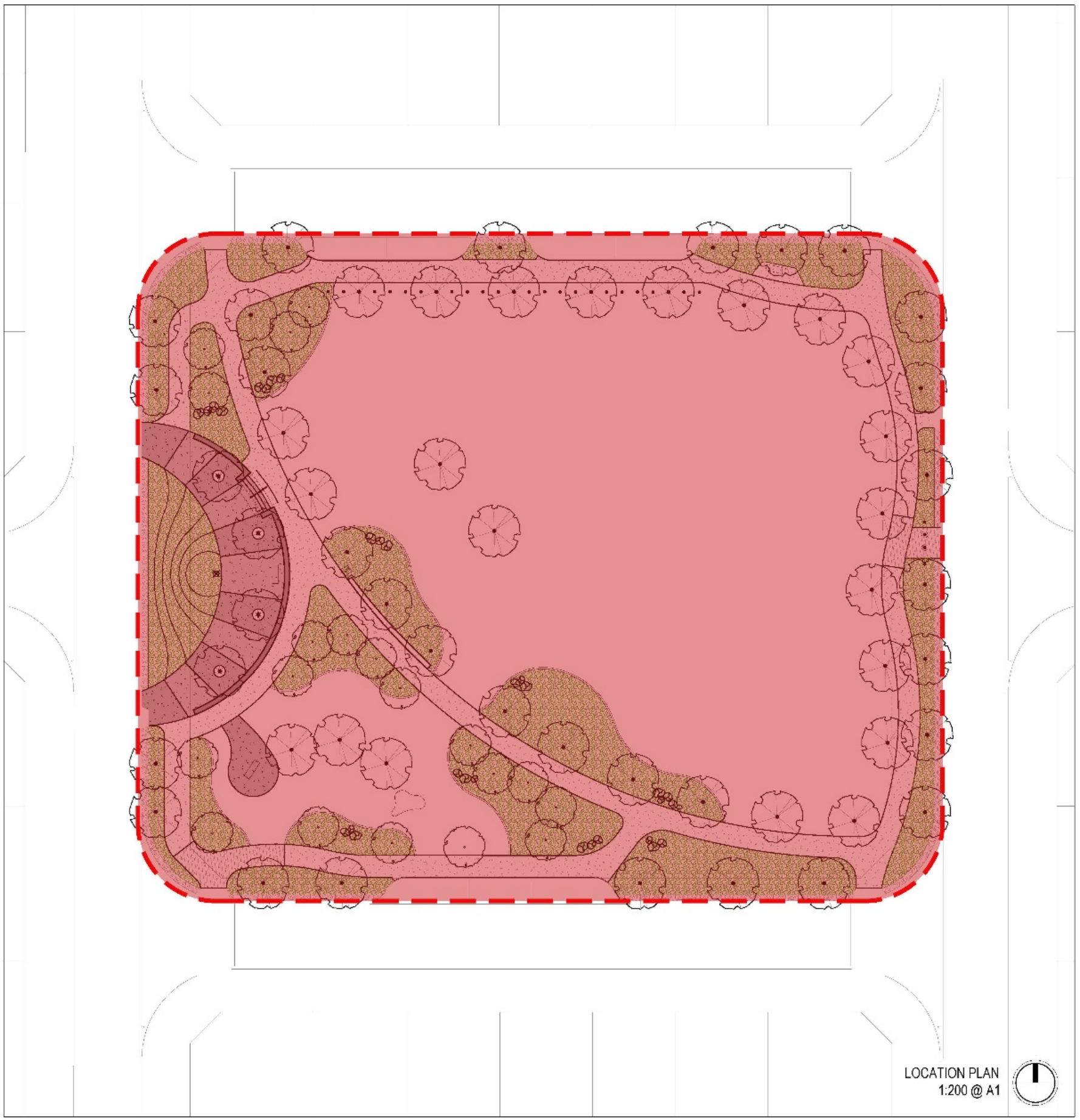
DRAWING TITLE
HOLMES STREET

DRAWING TITLE
TYPICAL SOFTWORKS DETAILS

CLIENT
CITY OF GOSNELLS

DESIGNED	MM	DRAWN	MM
CHECKED	YC	APPROVED	
DATE	20.09.2019		
SCALE	AS SHOWN		
DRAWING NUMBER	WGE-HS-970	REV	B

Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026



SOUTHERN RIVER, WA

PRECINCT 3

NEIGHBOURHOOD PARK

LANDSCAPE CONTRACT: SR-NP

LANDSCAPE WORKS

CLIENT:CITY OF GOSNELLS

ISSUE FOR: ***REVISED PER CoG COMMENTS***

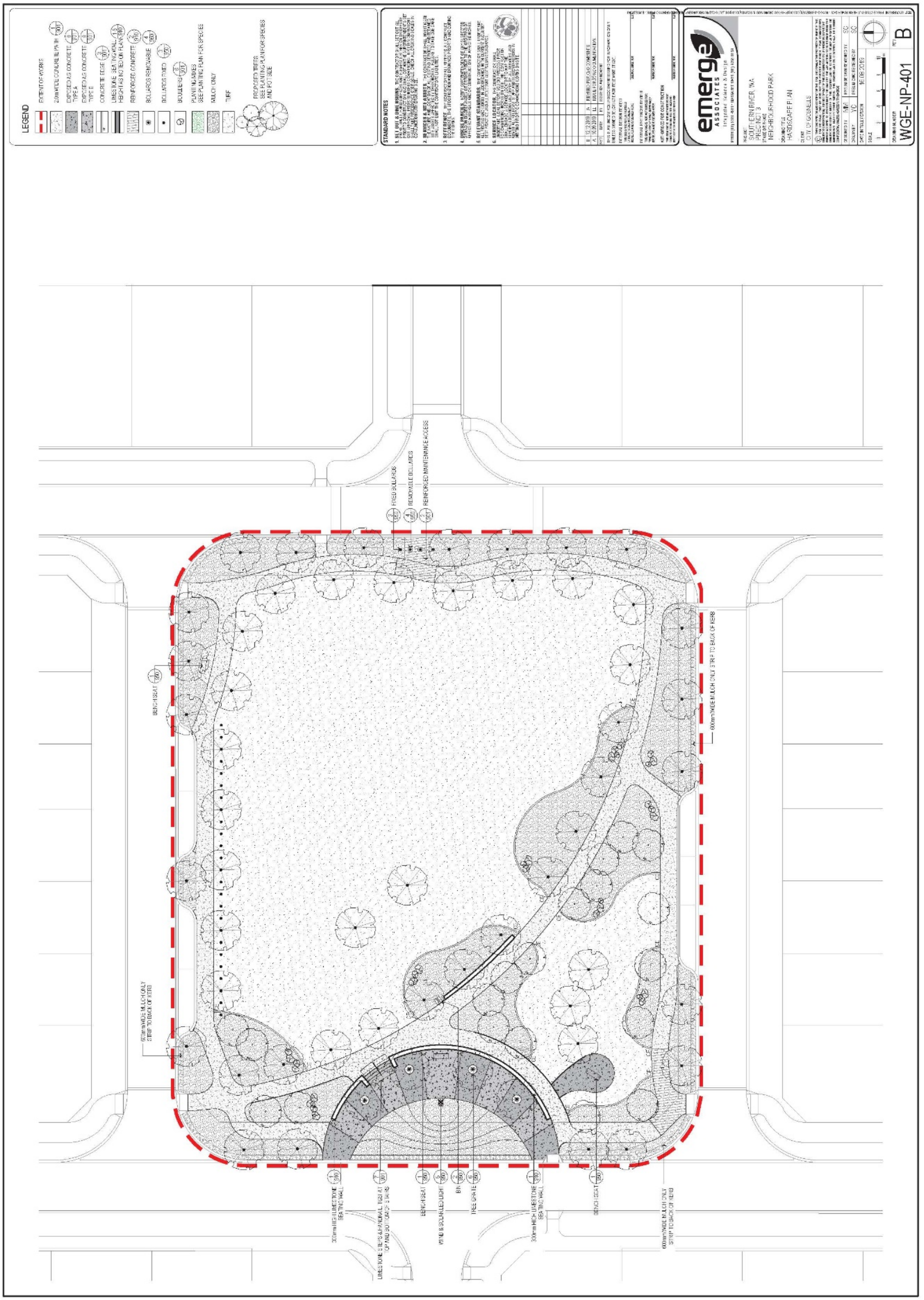
DATE: **DECEMBER 2019**

SHEET LIST TABLE		
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WGE-NP-000	B	COVER PAGE
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WGE-NP-501	B	PLANTING PLAN
WGE-NP-900	B	TYPICAL HARDWORKS DETAILS
WGE-NP-910	B	TYPICAL WALL DETAILS
WGE-NP-950	B	PARK FURNITURE DETAILS
WGE-NP-960	B	PLAY EQUIPMENT DETAILS
WGE-NP-970	B	TYPICAL SOFTWORKS DETAILS
WGE-NP-980	B	NOTES

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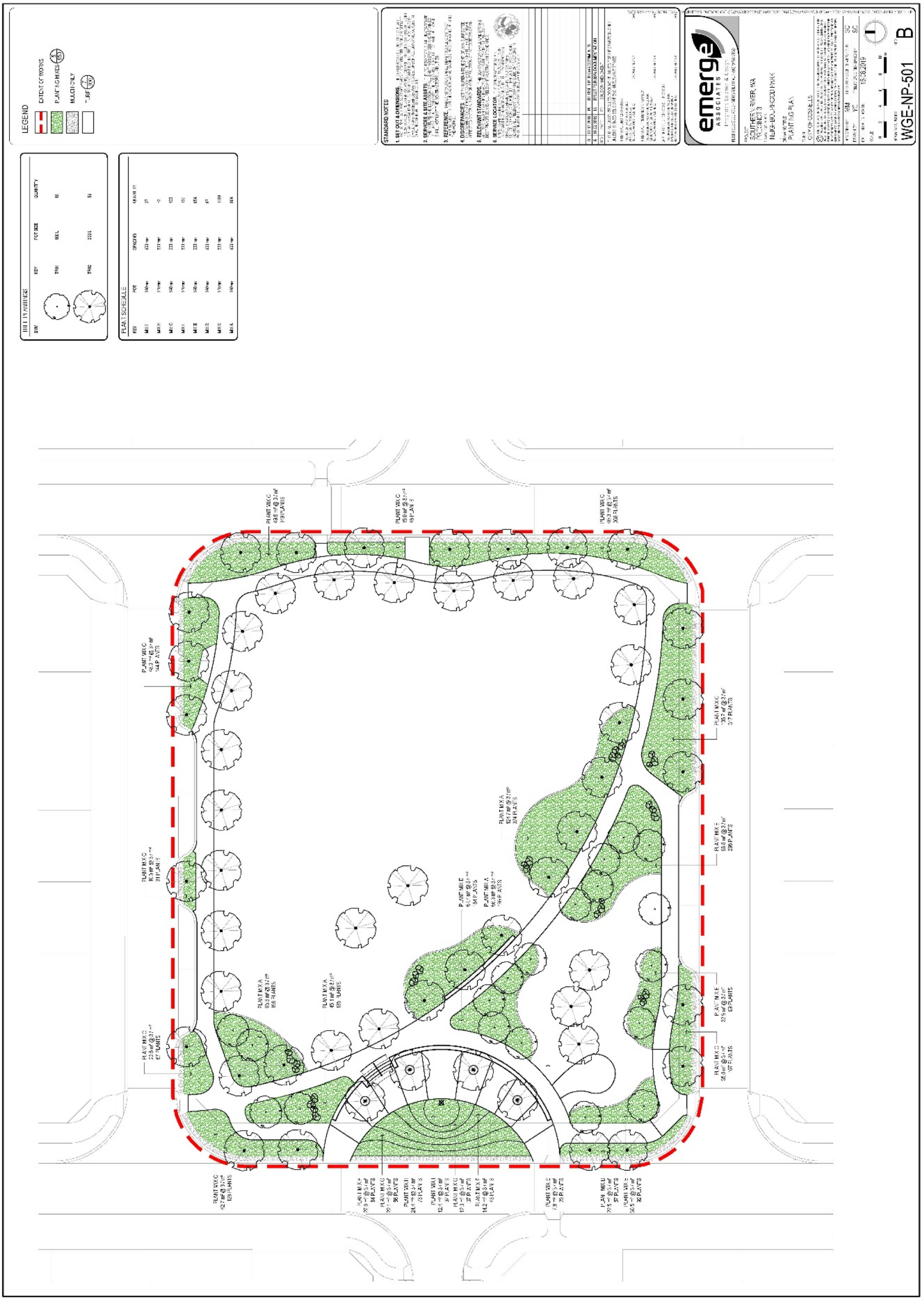
Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Neighbourhood Park Hardscape Plan



Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026

Neighbourhood Park Planting Plan



Document Set ID: 9426311
Version: 1, Version Date: 20/10/2026