



Approved for Construction by:

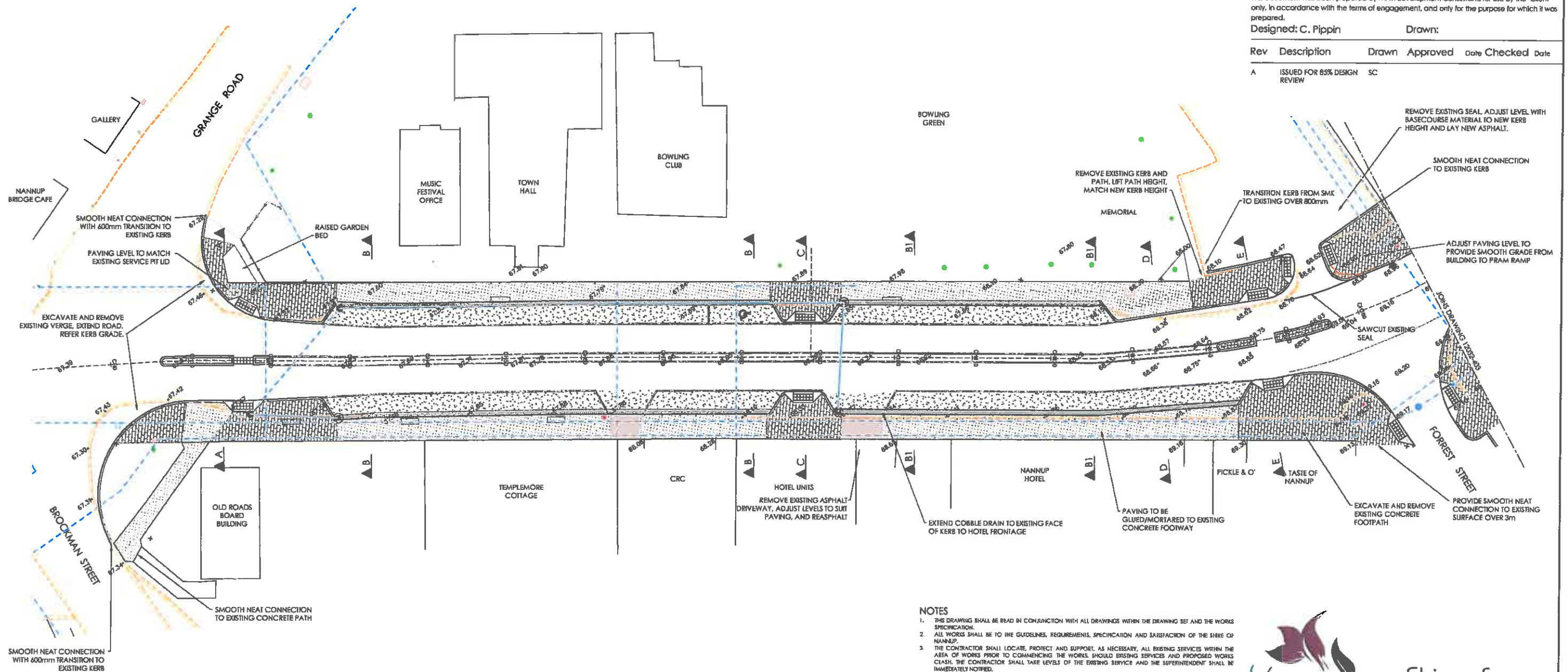
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Designed: C. Pippin Drawn: _____

Rev	Description	Drawn	Approved	Date Checked	Date
A	ISSUED FOR 85% DESIGN REVIEW	SC			



LEGEND

	EXISTING KERB
	EXISTING TREE
	EXISTING GRATED DRAINAGE PIT
	EXISTING SERVICE INFRASTRUCTURE, REFER EXISTING SERVICES
	EXISTING GROUND LEVEL
	PROPOSED SEMI MOUNTABLE KERB
	FEATURE PAVING, REFER LANDSCAPE DRAWINGS
	GENERAL PAVING, REFER LANDSCAPE DRAWINGS
	GENERAL PAVING (TRAFFICABLE), REFER LANDSCAPE DRAWINGS
	PROPOSED ASPHALT AND PAVEMENT
	PROPOSED ASPHALT RESEAL/SEAL
	PRAM RAMP, REFER DETAIL
	LINEMARKING, REFER LINEMARKING PLAN
	RAISED MEDIAN ISLAND
	PROPOSED DRAINAGE PIPE, REFER DRAINAGE PLAN

- NOTES**
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL DRAWINGS WITHIN THE DRAWING SET AND THE WORKS SPECIFICATION.
 2. ALL WORKS SHALL BE TO THE GUIDELINES, REQUIREMENTS, SPECIFICATION AND SATISFACTION OF THE SHIRE OF NANNUP.
 3. THE CONTRACTOR SHALL LOCATE, PROTECT AND SUPPORT, AS NECESSARY, ALL EXISTING SERVICES WITHIN THE AREA OF WORKS PRIOR TO COMMENCING THE WORKS. SHOULD EXISTING SERVICES AND PROPOSED WORKS CLASH, THE CONTRACTOR SHALL TAKE LEVELS OF THE EXISTING SERVICE AND THE SUPERINTENDENT SHALL BE IMMEDIATELY NOTIFIED.
 4. ALL WORKS SHALL BE LOCATED FROM THE ESTABLISHED BENCHMARKS AS PROVIDED BY THE PROJECT SURVEYOR. ALL BENCHMARKS SHALL BE PROTECTED AND PRESERVED DURING THE WORKS.
 5. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF SUB-BASE PAVEMENT WORKS.
 6. ANY IRRIGATION DUCTS SHALL BE A MINIMUM CLASS 9 PVC PIPEWORK WITH A MINIMUM OF 600mm COVER. THE PIPEWORK SHALL EXTEND A MINIMUM OF 1.5m PAST THE KERBLINE AND/OR PATH, BE CAPPED AT BOTH ENDS WITH THE ENDS MARKED WITH BLUE FLAGGING TAPES BROUGHT TO THE SURFACE AND ATTACHED TO A SURVEYOR'S STAKE. ALL CORNER RADII SHALL BE 12.0m UNLESS NOTED OTHERWISE.
 7. ALL KERBS SHALL BE SEMI MOUNTABLE KERB TYPE UNLESS NOTED OTHERWISE.
 8. ALL KERB TYPES ON RADII LESS THAN 25.0m SHALL BE TIED INTO THE ROAD PAVEMENT, REFER DESIGN DETAIL.
 9. SEAL WIDTH SHALL BE AS SHOWN ON THE DRAWINGS AND STANDARD CROSS SECTION AND SHALL BE MEASURED BETWEEN THE FACE OF KERBS.
 10. TRAFFIC MANAGEMENT PLAN PREPARATION, APPROVAL AND IMPLEMENTATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
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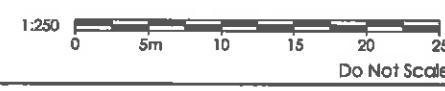
mpm
development consultants
107 Beach Road
PO Box 2035
BUNBURY WA 6231
Website: www.mpmdc.com.au

Telephone: (08)97 214777
Facsimile: (08)97 214666
Email: reception@mpmdc.com.au

Client: SHIRE OF NANNUP
Project: NANNUP MAIN STREET
Title: ROADWORKS PLAN
1 OF 4
Drawing Number: 12032-402
Original Size: A1

Revision A

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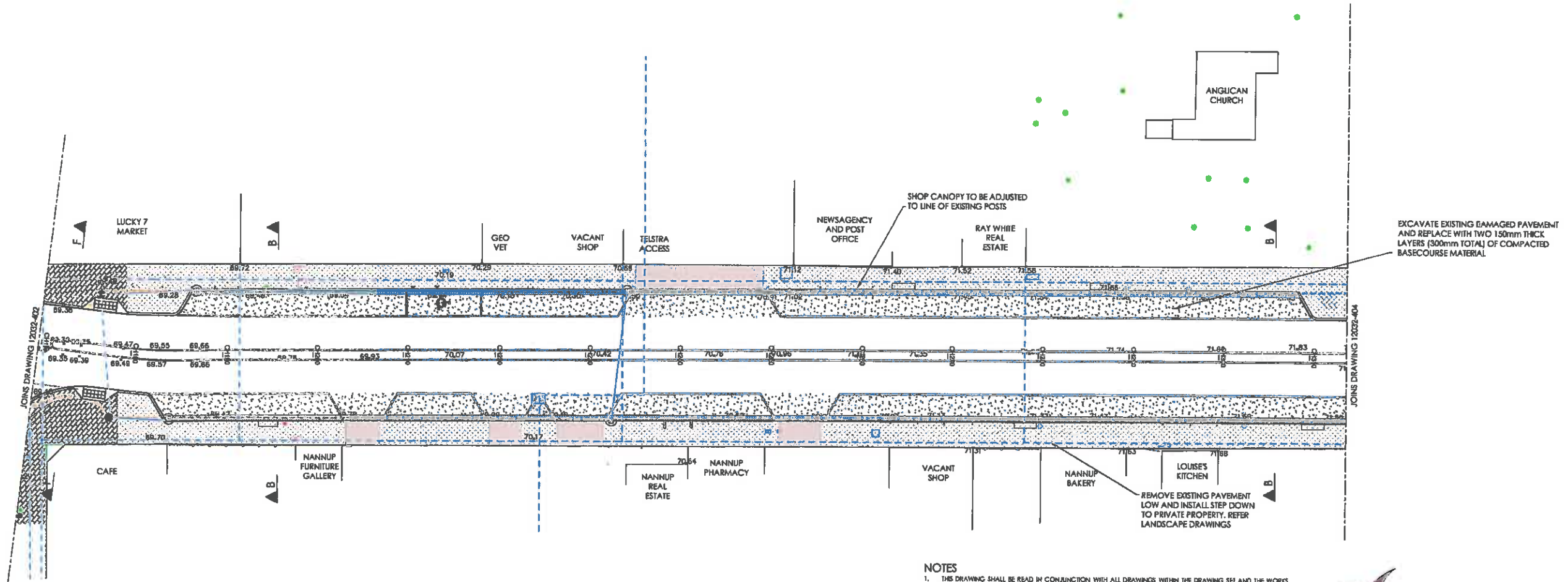
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Designed: C. Pippin

Drawn: _____

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LEGEND

- EXISTING KERB
- EXISTING TREE
- EXISTING GRATED DRAINAGE PIT
- EXISTING SERVICE INFRASTRUCTURE, REFER EXISTING SERVICES
- EXISTING GROUND LEVEL
- PROPOSED SEMI MOUNTABLE KERB
- FEATURE PAVING, REFER LANDSCAPE DRAWINGS
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- PROPOSED ASPHALT AND PAVEMENT
- PROPOSED ASPHALT RESEAL/SEAL
- PRAM RAMP, REFER DETAIL
- LINEMARKING, REFER LINEMARKING PLAN
- RAISED MEDIAN ISLAND
- PROPOSED DRAINAGE PIPE, REFER DRAINAGE PLAN

NOTES

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6. ANY IRRIGATION DUCTS SHALL BE A MINIMUM CLASS 9 PVC PIPEWORK WITH A MINIMUM OF 600mm COVER. THE PIPEWORK SHALL EXTEND A MINIMUM OF 1.2m PAST THE KERBLINE AND/OR PATH, BE CAPPED AT BOTH ENDS WITH THE ENDS MARKED WITH BLUE FLAGGING TAPE BROUGHT TO THE SURFACE AND ATTACHED TO A SURVEYOR'S STAKE.
7. ALL CORNER RADII SHALL BE 12.0m UNLESS NOTED OTHERWISE.
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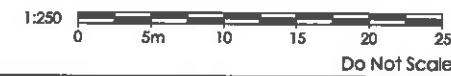
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107 Beach Road
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Client: SHIRE OF NANNUP
Project: NANNUP MAIN STREET
Title: ROADWORKS PLAN
2 OF 4

Drawing Number: 12032-403
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Revision A



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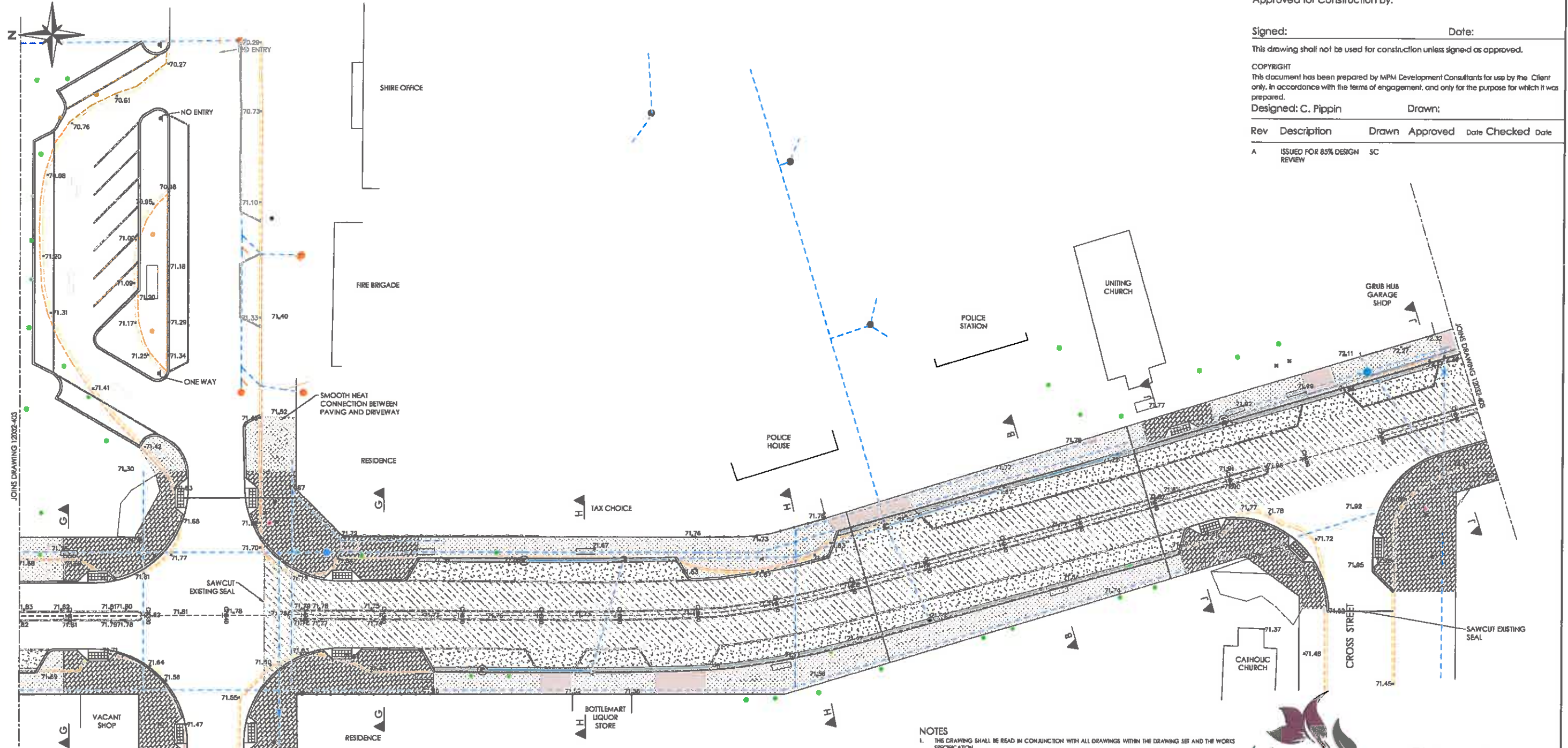
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mpm
development consultants
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PO Box 2035
BUNBURY WA 6231
Website: www.mpmc.com.au

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Facsimile: (08)97 214666
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Client: SHIRE OF NANNUP
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Title: ROADWORKS PLAN
3 OF 4
Drawing Number: 12032-404
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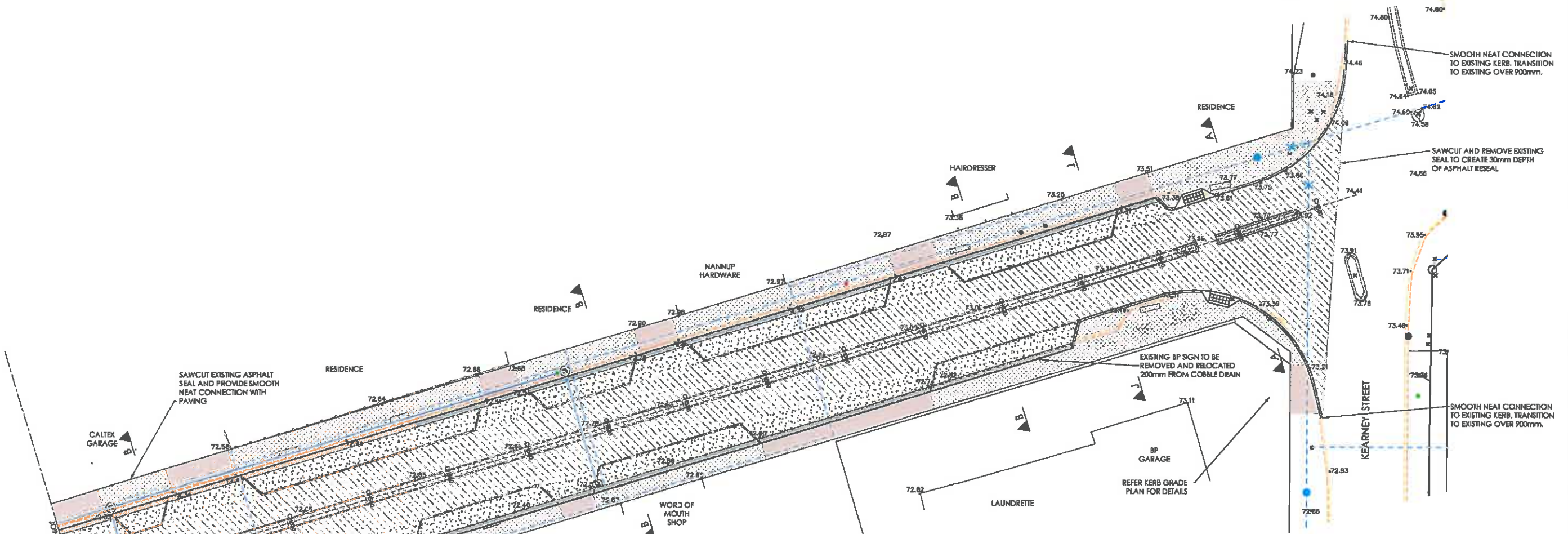
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A	ISSUED FOR 85% DESIGN REVIEW	SC				
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SAWCUT EXISTING ASPHALT SEAL AND PROVIDE SMOOTH NEAT CONNECTION WITH PAVING

EXISTING BP SIGN TO BE REMOVED AND RELOCATED 200mm FROM COBBLE DRAIN

SMOOTH NEAT CONNECTION TO EXISTING KERB. TRANSITION TO EXISTING OVER 900mm.

SAWCUT AND REMOVE EXISTING SEAL TO CREATE 30mm DEPTH OF ASPHALT RESEAL

SMOOTH NEAT CONNECTION TO EXISTING KERB. TRANSITION TO EXISTING OVER 900mm.

LEGEND

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No	ITEM	PROPOSED CONTENTS	COST
1	Stage 1 Total Cost	Grange Road to Adam Street	\$ 1,549,145.35
2	Stage 2 Total Cost	Adam Street to Cross Street	\$ 855,278.18
3	Stage 3 Total Cost	Cross Street to Kearney Street	\$ 968,448.70
GRAND TOTAL			\$ 3,372,872.23
GST			\$ 3,710,159.45

STAGE 1 - GRANGE ROAD TO ADAM STREET						
No	ITEM	PROPOSED CONTENTS	QTY	UNIT	\$ RATE	COST
CIVIL WORKS						
1	General / Preliminaries	Mobilisation, Insurances, OH&S etc	1	Item	\$ 286,500.00	\$ 286,500.00
2	Siteworks, Earthworks & Protection	Demolition, site fencing, adjustments to existing services and buildings	1	Item	\$ 173,530.00	\$ 173,530.00
3	Stormwater Drainage	Pipework, pits, cobble drainage channel and adjustments to private properties	1	Item	\$ 274,290.00	\$ 274,290.00
4	Roadworks	Sub-grade, pavement, kerbing, signage and pram ramps	1	Item	\$ 266,820.10	\$ 266,820.10
PRELIMINARIES						
1	General Preliminaries	Mobilisation, Insurances, OH&S etc included within civil works preliminaries				Incl above
2	Site Establishment	Temporary site fencing, security etc	1	Item	\$ 2,500.00	\$ 2,500.00
3	Survey & Set-out	Site survey & set-out including surveyor costs	1	Item	\$ 2,500.00	\$ 2,500.00
4	Traffic Management	Traffic management in accordance with Shire of Nannup Requirements				Incl above
5	Weed Eradication	Weed spray and removal as required	2390	sq m	\$ 0.20	\$ 478.00
	Demolition	Removal of existing planter boxes and street furniture	1	PS	\$ 7,500.00	\$ 7,500.00
	Tree Removal / Pruning	Removal or pruning of existing trees as may be required	1	PS	\$ 10,000.00	\$ 10,000.00
EARTHWORKS & GRADING						
5	Earthworks	Box-out of verges and removal of spoil from site	1	PS	\$ 12,500.00	\$ 12,500.00
6	Fine Grading	Final trim and grading +/- 50mm and connection for brick paving	2390	sq m	\$ 1.00	\$ 2,390.00
HARDSCAPE						
7	Urbanstone Paving	Supply and install Urbanstone 400x200x60mm feature paving . Colour: Casino Grey Finish: Shotblast	890	sq m	\$ 190.00	\$ 169,100.00
7	Eco-Outdoor Cobblestone	Supply and install Eco-outdoor 85x95x30mm feature cobblestones paving . Colour: Raven Finish: Bushhammered	12	sq m	\$ 220.00	\$ 2,640.00
7	Brickmakers 60mm Paving	Supply and install Brickmakers 330x330x60 Helenastone Paver to footpaths. Colour: Tundra	1285	sq m	\$ 75.00	\$ 96,375.00
9	Brickmakers 76mm Paving	Supply and install Brickmakers 220x110x76 Eastpave Paver to driveway crossovers. Colour: Silver	105	sq m	\$ 90.00	\$ 9,450.00
10	Sealing Pavers	Supply and apply sealant to Urbanstone pavers and cobblestone	422	sq m	\$ 9.50	\$ 4,009.00
STREET FURNITURE						
11	Custom Bench Seat	Customised bench seats, bike racks from hardwood timber	10	PS	\$ 6,500.00	\$ 65,000.00
12	Rubbish Bin	Woodlands 'Bennelong' 240L bin enclosure, Model:EM235	6	ea	\$ 3,295.00	\$ 19,770.00
13	White Picket Fencing	Install new white picket fencing to residential lots	70	Lin m	\$ 150.00	\$ 10,500.00
	Tree Grates	Supply and install tree grates to existing retained trees, model TBC	9	ea	\$ 3,500.00	\$ 31,500.00
SOFTSCAPE						
15	Tree Planting - 1000Ltr	Supply and install 1000Ltr (including mulching and staking)	5	ea	\$ 2,500.00	\$ 12,500.00
18	Shrub Planting - 140mm Pot	Supply and install 140mm Shrub planting to garden beds	294	ea	\$ 6.50	\$ 1,911.00
19	Soil Conditioner	Supply and install soil conditioner* to tree pits	5	ea	\$ 6.45	\$ 32.25
20	Soil Conditioner	Supply and install 75mm thick imported soil conditioner* to garden beds	100	sq m	\$ 4.00	\$ 400.00
21	Imported Mulch	Supply and install 75mm thick imported black mulch to garden beds	100	sq m	\$ 4.50	\$ 450.00
22	Root Control Barrier	Supply and install Rootrector 1050	5	ea	\$ 380.00	\$ 1,900.00
IRRIGATION						
24	Irrigation Headworks & Connections	Connections to existing system, location of sleeves etc	1	Item	\$ 20,000.00	\$ 20,000.00
25	Irrigation to Planting Beds	Supply and install drip irrigation to planting beds and trees	100	sq m	\$ 50.00	\$ 5,000.00
CONSOLIDATION						
26	Consolidation	Initial maintenance & establishment period	12	weeks	\$ 800.00	\$ 9,600.00
CONTINGENCY						
27	Contingency		1	PS	\$ 50,000.00	\$ 50,000.00
Sub-Total					\$ 1,549,145.35	
GST					\$ 1,704,059.89	

STAGE 2 - ADAM STREET TO CROSS STREET									
No	ITEM	PROPOSED CONTENTS	QTY	UNIT	\$ RATE	COST			
CIVIL WORKS									
1	General / Preliminaries	Mobilisation, Insurances, OH&S etc	1	Item	\$ 183,500.00	\$ 183,500.00	Incl above		
2	Siteworks, Earthworks & Protection	Demolition, site fencing, adjustments to existing services and buildings	1	Item	\$ 77,701.60	\$ 77,701.60			
3	Stormwater Drainage	Pipework, pits, cobble drainage channel and adjustments to private properties	1	Item	\$ 130,254.00	\$ 130,254.00			
4	Roadworks	Sub-grade, pavement, kerbing, signage and pram ramps	1	Item	\$ 155,818.08	\$ 155,818.08			
PRELIMINARIES									
1	General Preliminaries	Mobilisation, Insurances, OH&S etc included within civil works preliminaries	1	Item	\$ 1,500.00	\$ 1,500.00	Incl above		
2	Site Establishment	Temporary site fencing, security etc	1	Item	\$ 1,500.00	\$ 1,500.00			
3	Survey & Set-out	Site survey & set-out including surveyor costs	1	Item	\$ 1,500.00	\$ 1,500.00			
4	Traffic Management	Traffic management in accordance with State of Nannup Requirements	1150	sq m	\$ 0.20	\$ 230.00	Incl above		
5	Weed Eradication	Weed spray and removal as required	1	PS	\$ 7,500.00	\$ 7,500.00			
	Demolition	Removal of existing planter boxes and street furniture	1	PS	\$ 30,000.00	\$ 30,000.00			
	Tree Removal / Pruning	Removal or pruning of existing trees as may be required	1	PS	\$ 30,000.00	\$ 30,000.00			
EARTHWORKS & GRADING									
5	Earthworks	Box-out of verges and removal of spoil from site	1	PS	\$ 10,000.00	\$ 10,000.00			
6	Fine Grading	Final trim and grading +/- 50mm and compaction for brick paving	1150	sq m	\$ 1.00	\$ 1,150.00			
HARDSCAPE									
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7	Brickmakers 60mm Paving	Supply and install Brickmakers 330x330x60 Helenastone Paver to footpaths. Colour: Tundra	605	sq m	\$ 75.00	\$ 45,375.00			
9	Brickmakers 76mm Paving	Supply and install Brickmakers 220x110x76 Easipave Paver to driveway crossovers. Colour: Silver	60	sq m	\$ 90.00	\$ 5,400.00			
10	Sealing Pavers	Supply and apply sealant to Urbanstone pavers and cobblestone	421	sq m	\$ 9.50	\$ 3,999.50			
STREET FURNITURE									
11	Custom Bench Seat	Customised bench seats, bike racks from hardwood timber	6	PS	\$ 6,500.00	\$ 39,000.00			
12	Rubbish Bin	Woodlands 'Bennelong' 240L bin enclosure. Model:EM235	4	ea	\$ 3,295.00	\$ 13,180.00			
13	White Picket Fencing	Install new white picket fencing to residential lots	35	LIn m	\$ 150.00	\$ 5,250.00			
	Tree Grates	Supply and install tree grates to existing retained trees, model TBC	0	ea	\$ 3,500.00	\$ -			
SOFTSCAPE									
15	Tree Planting - 1000Ltr	Supply and install 1000Ltr (including mulching and staking)	0	ea	\$ 2,500.00	\$ -			
18	Shrub Planting - 140mm Pot	Supply and install 140mm Shrub planting to garden beds	150	ea	\$ 6.50	\$ 975.00			
19	Soil Conditioner	Supply and install soil conditioner to tree pits	0	ea	\$ 6.45	\$ -			
20	Soil Conditioner	Supply and install 75mm thick imported soil conditioner to garden beds	50	sq m	\$ 4.00	\$ 200.00			
21	Imported Mulch	Supply and install 75mm thick imported black mulch to garden beds	50	sq m	\$ 4.50	\$ 225.00			
22	Root Control Barrier	Supply and install Rootdirector 1050	0	ea	\$ 380.00	\$ -			
IRRIGATION									
24	Irrigation Headworks & Connections	Connections to existing system, location of sleeves etc	1	Item	\$ 12,500.00	\$ 12,500.00			
25	Irrigation to Planting Beds	Supply and install drip irrigation to planting beds and trees	50	sq m	\$ 50.00	\$ 2,500.00			
CONSOLIDATION									
26	Consolidation	Initial maintenance & establishment period	12	weeks	\$ 600.00	\$ 7,200.00			
CONTINGENCY									
27	Contingency		1	PS	\$ 40,000.00	\$ 40,000.00			
					Sub-Total	\$ 855,278.18			
					GST	\$ 940,806.00			

STAGE 3 - CROSS STREET TO KEARNEY STREET									
No	ITEM	PROPOSED CONTENTS	QTY	UNIT	\$ RATE	COST			
CIVIL WORKS									
1	General / Preliminaries	Mobilisation, Insurances, OH&S etc	1	Item	\$ 207,000.00	\$ 207,000.00			
2	Siteworks, Earthworks & Protection	Demolition, site fencing, adjustments to existing services and buildings	1	Item	\$ 80,210.00	\$ 80,210.00			
3	Stormwater Drainage	Pipework, pits, cobble drainage channel and adjustments to private properties	1	Item	\$ 169,712.00	\$ 169,712.00			
4	Roadworks	Sub-grade, pavement, kerbing, signage and pram ramps	1	Item	\$ 179,344.00	\$ 179,344.00			
PRELIMINARIES									
1	General Preliminaries	Mobilisation, Insurances, OH&S etc included within civil works preliminaries					Incl above		
2	Site Establishment	Temporary site fencing, security etc	1	Item	\$ 2,500.00	\$ 2,500.00			
3	Survey & Set-out	Site survey & set-out including surveyor costs	1	Item	\$ 2,500.00	\$ 2,500.00			
4	Traffic Management	Traffic management in accordance with Shire of Nannup Requirements					Incl above		
5	Weed Eradication	Weed spray and removal as required	1050	sq m	\$ 0.20	\$ 210.00			
	Demolition	Removal of existing planter boxes and street furniture	1	PS	\$ 7,500.00	\$ 7,500.00			
	Tree Removal / Pruning	Removal or pruning of existing trees as may be required	1	PS	\$ 5,000.00	\$ 5,000.00			
EARTHWORKS & GRADING									
5	Earthworks	Box-out of verges and removal of spoil from site	1	PS	\$ 10,000.00	\$ 10,000.00			
6	Fine Grading	Final trim and grading +/- 50mm and compaction for brick paving	1050	sq m	\$ 1.00	\$ 1,050.00			
HARDSCAPE									
7	Urbanstone Paving	Supply and install Urbanstone 400x200x60mm feature paving. Colour: Casino Grey Finish: Shotblast	325	sq m	\$ 190.00	\$ 61,750.00			
7	Eco-Outdoor Cobblestone	Supply and install Eco-outdoor 95x95x30mm feature cobblestones paving. Colour: Raven Finish: Bushhammered	7	sq m	\$ 220.00	\$ 1,540.00			
7	Brikmakers 60mm Paving	Supply and install Brikmakers 330x330x60 Helenastone Paver to footpaths. Colour: Tundra	450	sq m	\$ 75.00	\$ 33,750.00			
9	Brikmakers 76mm Paving	Supply and install Brikmakers 220x110x76 Eastpave Paver to driveway crossovers. Colour: Silver	150	sq m	\$ 90.00	\$ 13,500.00			
10	Sealing Pavers	Supply and apply sealant to Urbanstone pavers and cobblestone	332	sq m	\$ 9.50	\$ 3,154.00			
STREET FURNITURE									
11	Custom Bench Seat	Customised bench seats, bike racks from hardwood timber	6	PS	\$ 7,500.00	\$ 45,000.00			
12	Rubbish Bin	Woodlands 'Bannelong' 240L bin enclosure, Model:EM235	4	ea	\$ 3,295.00	\$ 13,180.00			
13	White Picket Fencing	Install new white picket fencing to residential lots	150	Lin m	\$ 150.00	\$ 22,500.00			
	Tree Grates	Supply and install tree grates to existing retained trees, model TBC	3	ea	\$ 3,500.00	\$ 10,500.00			
SOFTSCAPE									
15	Tree Planting - 1000Ltr	Supply and install 1000Ltr (including mulching and staking)	6	ea	\$ 2,500.00	\$ 15,000.00			
18	Shrub Planting - 140mm Pot	Supply and install 140mm Shrub planting to garden beds	255	ea	\$ 6.50	\$ 1,657.50			
19	Soil Conditioner	Supply and install soil conditioner to tree pits	6	ea	\$ 6.45	\$ 38.70			
20	Soil Conditioner	Supply and install 75mm thick imported soil conditioner to garden beds	85	sq m	\$ 4.00	\$ 340.00			
21	Imported Mulch	Supply and install 75mm thick imported black mulch to garden beds	85	sq m	\$ 4.50	\$ 382.50			
22	Root Control Barrier	Supply and install Rootdirector 1050	6	ea	\$ 380.00	\$ 2,280.00			
IRRIGATION									
24	Irrigation Headworks & Connections	Connections to existing system, location of sleeves etc	1	Item	\$ 25,000.00	\$ 25,000.00			
25	Irrigation to Planting Beds	Supply and install drip irrigation to planting beds and trees	85	sq m	\$ 50.00	\$ 4,250.00			
CONSOLIDATION									
26	Consolidation	Initial maintenance & establishment period	12	weeks	\$ 800.00	\$ 9,600.00			
CONTINGENCY									
27	Contingency		1	PS	\$ 40,000.00	\$ 40,000.00			
					Sub-Total	\$ 968,448.70			
					GST	\$ 1,065,293.57			