



## Standard Technical Specifications Part 1 – General

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## 1.0 General

These standard technical specifications set out the standards for materials and construction that are required by Matamata Piako District Council.

These standard technical specifications apply to all works that are for Council whether by way of direct contract to Council or as part of a development where the infrastructural assets will become part of the Council network following completion.

All drawings referred to are found appended in the relevant Part of the Specifications.

## 2.0 Health and Safety

All work being carried out either as a direct contract to Council, or as part of a subdivision development shall be completed in such a manner that it complies in every aspect with the Health & Safety in Employment Act 1992 and its amendments.

Prior to any work commencing, it is necessary that an “approved” Health & Safety Plan be provided.

Where the work extends onto the existing road network, the Contractor shall provide and maintain an approved temporary traffic management scheme in accordance with the NZTA ‘Code of Practice for Temporary Traffic Management’.

## 3.0 Industry Standards and Industry Best Practice

Where there is an approved Industry Standard such as ANZ Standards ([www.standards.co.nz](http://www.standards.co.nz)) or recognised industry best practice, these should be applied to all workmanship. The current relevant standards that control the design, construction and installation of land development and civil engineering system, which are referred to throughout this manual, include but are not limited to:

Schedule of documents referred to in Part 2 – Earthworks		
Standard		
NZS	4402:1988	Soil Compaction and Strength Tests
NZS	4431:1989	Code of Practice for Earth Fill for Residential Development
Other Documents		
Moturiki Datum (Level Datum)		
NZGD2000 (New Zealand Geodetic Datum 2000)		
NZTA Specification F/1 – Earthworks Construction		
NZTM (New Zealand Transverse Mercator)		
WRC (EW) Guidelines – “Erosion and Sediment Control for Soil Disturbing Activities”		

Schedule of documents referred to in Part 3 – Roading		
Standard		
AS/NZS	1158:2010	Lighting for Roads and Public Spaces
AS/NZS	2312:2002	Guide to the Protection of Structural Steel against corrosion
AS/NZS	3000:2007	Electrical Installations

NZS	3116:2002	Concrete Segmental & Flagstone Paving	
NZS	3104:2003	Concrete Production	
NZS	3109:1997	Concrete Construction	
NZS	3114:1987	Specification for Concrete Surface Finishes	
NZS	3121:1986	Water and Aggregate for Concrete	
NZS	3122:2009	Portland and Blended Cement	
NZS	4402:1988	Soil Compaction Tests	
NZS	4407:1991	Sampling and Testing Roving Aggregate	
AS/NZS	4671:2001	Steel Reinforcing Materials	
AS/NZS	4676:2000	Structural Design for Service Poles	
AS/NZS	4677:2000	Steel Utility Poles	
NZS	5414:1977	Construction of Traffic Signs	
New Zealand Transport Agency Documents			
NZTA	B/2:2005	Construction of Unbound Granular Pavement layers	
NZTA	C/20:2003	Erection and Maintenance of Traffic Signs, Chevrons & Rails	
NZTA	C/24:1991	Maintenance of Highway Lighting	
NZTA	F/1:1997	Earthworks Construction	
NZTA	F/2:2000	Pipe Subsoil Drain Construction	
NZTA	M/1:2011	Roving Bitumen	
NZTA	M/4:2006	Basecourse Aggregate	
NZTA	M/6:2011	Sealing Chip	
NZTA	M/7:2009	Roadmarking Paint	
NZTA	M/10:2010	Asphaltic Concrete	
NZTA	M/12:2007	Raised Pavement Markers	
NZTA	M/19:1994	Tubular Steel Lighting Column	
NZTA	M/20:2003	Long-Life Roadmarking Materials	
NZTA	M/24:2009	Audio Tactile Profiled Roadmarking	
NZTA	P/3:1995	First Coat Seal	
NZTA	P/4:1995	Resealing	
NZTA	P/9:1975	Asphaltic Concrete Paving Construction	
NZTA	P/11:2007	Open Graded Porous Asphalt	
NZTA	P/12:2000	Pavement Marking	
NZTA	P/14:1995	Raised Pavement Marker Installation	
NZTA	P/22:2006	Refactorised Pavement Paint	
NZTA	T/1:1977	Benkelman Beam Deflection Measurement	
NZTA	T/3:1981	Texture Measurement by Sand Circle method	
NZTA	T/8:2008	Roadmarking Paint Applicator Testing	
NZTA	T/12:2003	Long-life Road Marking Applicator Testing	
Other Documents			
TDC Rule	Land Transport Rule: Traffic Control Devices 2004		NZ TA
MoTSaM	Manual of Signs and Markings Part II		NZ TA
CoPTTM	Code of Practice for Temporary Traffic Management		NZ TA
Road Sign Manufacturers Association Compliance Standard for Traffic Signs			RS MA
Guide to Urban Roadmarking			NZ TA

Schedule of documents referred to in Part 4 – Stormwater and Wastewater
Standard

AS/NZS	2032:2006	Installation of PVC Pipe Systems
NZS	3109:1997	Concrete Construction
NZS	3114:1987	Specification for Concrete Surface Finishes
AS/NZS	3725:2007	Design for Installation of Buried Concrete Pipes
Other Documents		
Moturiki Datum (Level Datum)		
MPDC Consolidated Bylaw 2008		
NZ Building Code – Clause E1 “Surface Water”		
NZGD2000 (New Zealand Geodetic Datum 2000)		
NZTM (New Zealand Transverse Mercator)		

Schedule of documents referred to in Part 5 – Wastewater Pump Stations		
Standard		
AS/NZS	2845.1:2009	Stand-alone Power Systems – Safety and Installation
AS/NZS	3000:2007	Electrical Installations (Australian/New Zealand Wiring Rules)
AS/NZS	3017:2007	Electrical Installations – Verification Guidelines
Other Documents		
Electricity Act 1992		
Electricity Safety Regulations 2010		
Moturiki Datum (Level Datum)		
NZ Building Code – Clause G12 “Water Supplies”		
NZ ECP 04 (Supply by LV Generating Systems)		
NZ ECP 11 (Testing)		
NZ ECP 17 (Control Protection and Switch Boards)		
NZ ECP 36 (Harmonic Levels)		
NZGD2000 (New Zealand Geodetic Datum 2000)		
NZTM (New Zealand Transverse Mercator)		

Schedule of documents referred to in Part 6 – Water Supply		
Standard		
BS	4515-1:2009	Specifications for Welding of Steel Pipeline on Land & Offshore
AS/NZS	2032:2006	Installation of PVC Pipe Systems
AS/NZS	2566.2:2006	Buried Flexible Pipelines - Installation
SNZ PAS	4509:2008	NZ Fire Service Firefighting Water Supplies Code of Practice
Other Documents		
Moturiki Datum (Level Datum)		
MPDC Consolidated Bylaw 2008		
NZ Building Code – Clause G12 “Water Supplies”		
NZGD2000 (New Zealand Geodetic Datum 2000)		
NZTM (New Zealand Transverse Mercator)		

Schedule of documents referred to in Part 7 – Landscape Works		
Standard		
NZS	8409:2004	Management of Agrichemicals
SNZ HB	8630:2004	Tracks and outdoor visitor structures
Other Documents		

MPDC District Tree Strategy 2010
Waikato Regional Pest Management Strategy
Growsafe Code of Practice for Safe Use of Pesticides and Herbicides

All work shall comply with and be consistent with any current and operating Matamata-Piako District Council adopted strategies and policies, unless exemption to this is approved by the Engineer.

## 4.0 Existing Utility Network Services

### 4.1 Utility Network Services

Works of any nature may encounter utility network services whether overhead or underground. The following specifications set out minimum requirements and guidelines. The contract documents will set out the respective responsibilities of the parties.

### 4.2 General

The Contractor shall at all times have a full set of up to date service plans for the entire site. These service plans shall be produced by each service authority and shall include the key for all symbols used on their plans.

The service authorities are:

- Powerco Ltd
- Telecom New Zealand Limited
- Telstra Clear
- Vector (Gas)
- Matamata-Piako District Council

A full set of these plans should also be readily available for the Engineer to refer to when required.

### 4.3 Existing Utility Services

The Contractor shall, before starting any excavation work, obtain all necessary consents for excavating in the region of any service. The Contractor shall be bound by the Special Restraints imposed on work methods as set down below:

Special Restraints for:

- Underground Electricity Power Cables

All cables and slabs are to be located by hand-digging. If requested by the Contractor, supervision of deep excavation (i.e. below 0.4m) will be provided by the controlling electrical lines company at the Contractor's expense. 48 hours notice must be given to ensure adequate supervision can be provided.

11,000 & 33,000 volt cables, or covering slabs are to be located by hand-digging. The Contractor is advised to request supervision from the controlling electrical lines Company when working within 2.0m horizontal distance of a 11,000 or 33,000 volt cable. When requested, supervision will be provided by the controlling electrical lines company at the Contractor's expense. 48 hours notice must be given to ensure adequate supervision can be provided.

No cables are to be moved by anyone without authorisation from the appropriate electrical supply authority or the owner of the cables where they are privately owned.

*Note*

*Matamata Piako District Council and Powerco Ltd accept no liability for Contractors working in the vicinity of PowerCo Ltd cables. The Contractor involved in the work shall be responsible for the location of the cables in the affected area of work.*

Matamata Piako District Council and Powerco Ltd do not automatically require supervision of work near cables of any voltage - the decision to request supervision is that of the Contractor.

The Contractor shall follow any instructions from the controlling electrical authority with regard to work near cables of any voltage.

Telecom Coaxial Cables. (Telecom provides a free plan and cable location service by Telephoning 124).

Supervision by Telecom staff is required when excavating within 2.0m of the position of a coaxial cable, as determined by a pipe locator and recorded with pegs at intervals of 4.0m, or within 2.0m of fibre-optic cable.

Machinery can be used up to 0.5m from the cable when the cable has been located by hand at intervals of not greater than 2.0m. The machinery is to be operated away from the cable. 48 hours notification is required in all cases except genuine cases of emergency.

#### Gas Mains

- i) Mains up to 400 KPa pressure - when working closer than 0.3m vertical or 0.6m horizontal, mains are to be located by hand-digging.
- ii) Mains over 400 KPa pressure - when working closer than 0.5m vertical or 1.0m horizontal mains are to be located by hand-digging under supervision of the Gas Distribution Authority and continuous supervision during construction is required.

48 hours notification is required in all cases except genuine cases of emergency.

## 4.4 Service Covers

### 4.4.1 General

During construction no rollers or compactors or any other equipment which may cause damage shall be used over service boxes.

After construction or rehabilitation of the pavement courses and prior to final compaction and surfacing, all surface covers shall be adjusted in level so as to be generally flush with the finished surfaces. In some cases service covers are already hidden or buried and these shall be located, from the service plans, uncovered and adjusted. Service covers shall be so located as to allow access for their intended purpose.

Note: During the course of construction, all surface openings of underground services must be maintained clear of spoil and be readily accessible at all times.

#### 4.4.2 Water Supply Covers

Water covers include, but are not limited to, the following:

- Toby boxes - usually circular and found in berm areas
- Fire hydrants - found in berms and carriageways (yellow)
- Valve boxes - usually marked "V"
- Air bleed boxes - similar to fire hydrant boxes (painted white)
- Manholes (housing large valves enclosed in chambers)

These covers shall be adjusted by the Contractor in accordance with the relevant Standard Technical Specification

The adjustments shall be made according to Standard Details and must be to the correct level as any subsequent adjustment required will be at the Contractor's expense.

The Kaimai Valley Services Unit of the Matamata Piako District Council will inspect the adjustment work. 24 hour notification to inspect is required.

#### 4.4.3 Water Supply Marker Posts

Marker posts are installed in the berms to mark the following:

- Hydrants
- Valves
- Air bleed boxes

The Contractor shall ensure that any marker post damaged or removed during the course of the work is replaced and/or reinstated in the correct location as soon as possible at the Contractor's cost.

#### 4.4.4 Telecom Service Covers and Above-ground Structures

Such structures include, but are not limited to, the following:

Aluminium or glass reinforced plastic (G.R.P) cabinets  
Aluminium oval shaped covers - usually in berm areas  
Fibre cement manholes - usually in the berms  
Manholes with steel or concrete lids - in berms and in carriageways  
Cable protection up poles

These will be adjusted by Telecom New Zealand Ltd. This work is to be arranged by the Contractor after liaison with the Engineer and the Contractor shall give adequate notice to the authority when they require this work to be carried out. The Contractor shall ensure that the adjustment is to correct level as any subsequent adjustment will be at the Contractor's expense.

#### 4.4.5 Electrical Above-ground Structures



Such structures include, but are not limited to, the following:

- Pillar boxes - usually in the berms near the boundary
- Transformer cabinets
- Cable protection up poles

These will be adjusted by Powerco Ltd. This work is to be arranged by the Contractor after liaison with the Engineer and the Contractor shall give adequate notice to the authority when they require this work to be carried out. The Contractor shall ensure adjustment is to the correct level and location as any subsequent adjustment will be at the Contractor's expense.

#### Note

Where earthing straps for transformer boxes are damaged or no longer in contact with the ground, the Contractor shall report this to Powerco Ltd.

#### 4.4.6 Gas Service Covers

Gas valve boxes include, but are not limited to, the following:

- unmarked approx 100 x 100 sized lids
- marked "HCC" Gas"
- marked "NGW"

These service covers will be adjusted by Natural Gas Corporation of N.Z. This work is to be arranged by the Contractor and the Contractor shall give adequate (48 hour) notice to the Authority of when they require this work to be carried out. The Contractor shall ensure that adjustment is to the correct level. Natural Gas Corporation of NZ do not charge for one time adjustment, provided that the correct notice requirements have been met.

#### 4.4.7 Stormwater and Sanitary Sewer Covers and Structures

Such structures include, but are not limited to, the following:

- Manholes
- Gully traps
- Pump Station structures
- Pump Station electrical cabinets

The adjustment of manholes shall be carried out by the Contractor after liaison with the Engineer and notification to the Water & Waste Services Unit of Matamata Piako District Council at least 48 hours prior to commencement of work. No debris shall be allowed to enter the sewers during this work.

For all other structures that may need adjusting, liaison should be with the Water & Waste Services Unit.

#### 4.4.8 Survey Standard Covers

The adjustment of all survey standard covers shall be carried out by the Contractor after liaison with the Engineer.

#### 4.4.9 Other Surface Openings and Structures

The Contractor shall arrange for the adjustment of all other surface openings and structures. These works shall be carried out by the appropriate service authority.

#### 4.4.10 Payment

Unless noted otherwise, the Contractor shall have allowed for all adjustments, costs and attendances.

### 5.0 Catchpits

Special care shall be taken to prevent catchpit chambers being filled, or catchpit grates being blocked with any rubble, topsoil, sealing chip, asphalt, concrete or other spoil created during the works. The Contractor shall ensure that all catchpit chambers are clean and all grates are open and clear at all times, and at the end of the works the Contractor shall clean all catchpits.

### 6.0 Working within the vicinity of trees

Guidelines for work within the vicinity of trees can be found in the Matamata-Piako District Tree Strategy 2010 – Part Three. Before commencement of any works within the dripline or vicinity of any tree(s), the Contractor shall familiar themselves with these guidelines.

The Contractor shall endeavour to mitigate and prevent potential damage both to the above ground structures of the tree(s) and the underground root systems. Refer to Part 7 Standard Drawings – Landscape Works TP 1a and TP 1b.

There are specific rules within the tree protection provisions of the District Plan in relation to undertaking work within the dripline of any protected tree or group of trees. These provisions shall be considered prior to the commencement of any works.

### 7.0 Completed works

Upon completion of works the Contractor shall supply to council As-built plans for any assets to be vested in council.

### 8.0 Forms

## Form 1.1: Notice of intention to commence development works

(This form to be completed by the Developer and sent to the Subdivision Officer, MPDC Regulatory Planning Department - Fax 07 884 8865)

MPDC Consent No: \_\_\_\_\_  
Development Location: \_\_\_\_\_ Stage: \_\_\_\_\_  
Engineering Design approval issued on: \_\_\_\_\_  
Name of Developer: \_\_\_\_\_ Contact Phone: \_\_\_\_\_  
Developer's Engineer: \_\_\_\_\_ Contact Phone: \_\_\_\_\_  
(responsible for certifying quality and compliance)

Works Commencement Date: \_\_\_\_\_ Proposed Duration: \_\_\_\_\_  
Name of Contractor: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Pre-construction Meeting Arranged:

Venue: \_\_\_\_\_ Date: \_\_\_\_\_  
(required attendees: Developer, Developer's Engineer, Contractor, Waikato RC Rep, MPDC Representative)

Engineer's Rep Contact Details: \_\_\_\_\_  
Contractor's Rep Contact Details: \_\_\_\_\_  
MPDC Representative Contact Details: \_\_\_\_\_  
Regional Council Rep Contact Details: \_\_\_\_\_  
Waikato Regional Council advised of works and consent issued: \_\_\_\_\_

Disposal of surplus soil required: \_\_\_\_\_  
Disposal Site Approved: \_\_\_\_\_  
Corridor access request issued: \_\_\_\_\_  
Rights of Entry from neighbours obtained: \_\_\_\_\_  
Health & Safety Plan prepared and approved by MPDC: \_\_\_\_\_  
Insurances in place: \_\_\_\_\_  
Traffic Management Plan approved by RCA: \_\_\_\_\_

Name: \_\_\_\_\_

Signed: \_\_\_\_\_  
Date: \_\_\_\_\_ (signed by Developer)

**Form 1.2: Items to be corrected or requiring action**

Correction Form No.:

Job: \_\_\_\_\_

Site: \_\_\_\_\_ Date: \_\_\_\_\_

Inspection: i) Type \_\_\_\_\_  
 ii) Area \_\_\_\_\_

No	Action Required	Party to Action	Party to Accept	Acceptance Approved	Date

Copy for: Contractor/Developer/Council  
 Master form to be retained by developer and returned at time of final acceptance, duly completed.

### Form 1.3: Compliance acceptance release checklist

Ref No: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

Site: \_\_\_\_\_

MPDC Representative: \_\_\_\_\_

LT No(s): \_\_\_\_\_

		N/A	Confirmed Provided		Final Check	
			Yes	No	OK	Not OK
1)	Completed checklists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2)	Correction action items	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3)	Schedule of work to be bonded for	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4)	Bonding arrangements:					
	Refundable deposit details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	In-house bond details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Deposit paid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5)	Resource consent approval conditions satisfied	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6)	Engineering drawing approval conditions satisfied	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7)	Final certified as-builts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8)	Certification of works	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9)	Details of arrangements for connection to public lines:					
	Wastewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Stormwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Watermain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10)	Overland flowpaths:					
	As-builts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Floor levels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Easements					
11)	Right to entry release confirmation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12)	Other items:					
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Form 1.4: GST requirements

Details:

Date:	
Subdivision Name	
Developer Representative	
Address	
Issued to (Applicant)	
DPS Number(s)	

### Land Costs

		Area m <sup>2</sup>		Value \$
Land Values				
Vested as Road				
Reserves: Local Purpose Reserves (all types)				
Other (name)				
Total			m <sup>2</sup>	

NB: All figures are GST INCLUSIVE

### Form 1.5: Subdividers/Developers Tax Invoice (GST Registered)

Company Name	
GST Number	
Address	
Date	

Issued to MATAMATA-PIAKO DISTRICT COUNCIL

Dr to	
	(Subdivider/Developer) *

For Barter with MATAMATA-PIAKO DISTRICT COUNCIL of roading, reserve, drainage and watermains included in Resource Consent \_\_\_\_\_ for a subdivision/development \* located at \_\_\_\_\_

DPS Number (s)	
Land to Vest m <sup>2</sup>	
Total (A)	(incl. GST)
Construction Cost	
Total (B)	(incl. GST)
TOTAL	(incl. GST)

Signed	
Date	

\* delete as applicable

**Form 1.6: Subdividers/Developers Tax Invoice (Not GST Registered)**

Name	
Address	
Date	

Issued to MATAMATA-PIAKO DISTRICT COUNCIL

Dr to	
	(Subdivider/Developer) *

For Barter with MATAMATA PIAKO DISTRICT COUNCIL of roading, reserve, drainage and watermains included in Resource Consent \_\_\_\_\_ for a subdivision/development \* located at \_\_\_\_\_

DPS Number (s)	
Land to Vest m <sup>2</sup>	
Total (A)	(incl. GST)
Construction Cost	
Total (B)	(incl. GST)
TOTAL	(incl. GST)

I confirm that for the purposes of the above subdivision/development I am not registered for GST.

Signed	
Date	

\* delete as applicable



**Form 1.7: Asset register/schedule of engineering items**

UTILITIES					
Sanitary Sewer	Units	Quantity	Type / Description	Rate	Cost (incl GST)
Mains	m				
Manholes	No.				
Service Lines	m				
Connections	No.				
Pump Stations (complete)	No.				
Rising Mains	m				
Other					
			SUB-TOTAL		
Water Supply	Units	Quantity	Type / Description	Rate	Cost (incl GST)
Mains	m				
Ridermains	m				
Service Lines	m				
Connections	No.				
Fire Hydrants	No.				
Sluice Valves	No.				
Other					
			SUB-TOTAL		
Stormwater	Units	Quantity	Type / Description	Rate	Cost (incl GST)
Mains	m				
Manholes	m				
Service Lines	m				
Connections	No.				
Catchpits/Sumps*	No.				
Inlet/Outlet Structures	No.				
Culverts	m				
Other					
				SUB-TOTAL	
ROADING					
Roading	Units	Quantity	Type / Description	Rate	Cost (incl GST)
Road Formation (incl. berms & topsoil)	m <sup>2</sup>				
Subbase	m <sup>2</sup>				
Basecourse	m <sup>2</sup>				
Surfacing	m				
Kerb & Channel	m <sup>2</sup>				
Footpaths (incl. w/ways & c/ways)	m <sup>2</sup>				
Urban Vehicle Crossings	m <sup>2</sup>				
Rural Vehicle Crossings	No.				
Rural Drainage (incl. culverts,		lump			

catchpits & leads)		sum			
Street Lighting		lump sum			
Signage & Marking		lump sum			
Other (i.e. bridges, culverts, walls etc)					
				SUB- TOTAL	
<b>LANDSCAPE WORKS</b>					
Landscape works	Units	Quantity	Type / Description	Rate	Cost (incl GST)
Litter bin	ea				
Seat	ea				
Picnic table	ea				
Hand rail	m				
Bike stand	ea				
Other (i.e drinking fountains)					
				SUB- TOTAL	
				TOTAL	(B)

Please continue details as necessary, on separate list, and INCLUDE:

- (i) Fees paid to join to existing reticulation
- (ii) Additional services installed by Council (water/drainage/roading)

1.1. Any contribution paid BY COUNCIL to install services  
(water/drainage/roading)