Christchurch International Airport

2007 Valuation of Runways, Taxiways, Aprons and Infrastructure Assets.

Final Valuation Report

Christchurch International | airport Limited

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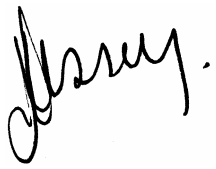
2007 Valuation of Runways, Taxiways, Aprons and Infrastructure Assets.

Final Valuation Report

for Christchurch International Airports Limited

Prepared By



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20 July 2007

Christchurch International Airport Limited
PO Box 14 001
Christchurch

Attention: Andrew Souness

5C1303.00

Dear Andrew

2007 Valuation of Christchurch Airport's Infrastructure Assets

In accordance with your instructions we have completed a 30th June 2007 valuation of Christchurch Airport airside and infrastructure assets. The finalised valuation is detailed in the attached report.

The valuation has been undertaken in accordance with the International Accountancy Standard (IAS) modified to New Zealand requirements (NZ IAS 16) and the Property Institute of New Zealand (PINZ) Valuation Practice Standard No 3 (PS-3).

The report details the methodology, assumptions and component breakdown for the valuation. It also provides a component level comparison with the previous valuation and where possible identifies and explains the causes of variations between the two.

Please contact me if you would like any clarification of the report contents.

Yours Sincerely

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APPENDICES

EXECUTIVE SUMMARY

Opus International Consultants Limited (Opus) has undertaken a valuation of the specialised assets owned by Christchurch International Airport Limited (CIAL). The valuation has been undertaken in accordance with CIAL's Asset Valuation Handbook May 2007.

The valuation complies with the International Accountancy Standard (IAS) for Property, Plant and Equipment, modified to New Zealand requirements (NZ IAS 16) and the Property Institute of New Zealand (PINZ) standards and guidelines, notably PS3 and GN 3.2: Valuations for Financial Reporting Purposes in New Zealand.

The specialised assets covered by this report include:

1. Runways, taxiways and aprons
2. Infrastructure assets
3. Specialised Buildings/Structures – water tower

The Optimised Depreciated Replacement Cost (ODRC) methodology has been used to value these assets.

Valuation results include optimised replacement cost (ORC), optimised depreciated replacement cost (ODRC) and Annual Depreciation (AD). The valuations have an effective date of 30th June 2007 and have been prepared for financial reporting and aeronautical pricing purposes.

The 2007 valuations are tabulated below, subdivided into the three subcategories identified above. Also tabulated are the previous valuation results for comparison.

***Table 1**: Runway, Taxiways & Aprons Valuation ($)*

Summary Description	Optimised Replacement Cost	Optimised Depreciated Replacement Cost	Annual Depreciation
2007 Value	$124,601,000	$77,020,000	$3,364,000
2004 Value	$112,498,000	$55,505,000	
Difference	$12,103,000	$21,515,000	

The value of the runway, taxiways and apron assets is $77.02M (seventy seven million and twenty thousand dollars), an increase of $21.515M since the 2004 valuation. The main contributors to this increase are the rise in construction costs

and a change in the depreciation assumption for earthworks assets. The 2007 valuation assumes that earthworks (including the subgrade formation) are non-depreciable while the 2004 valuation assumed a 100 year life for these assets. While this on the face of it appears to be a small change, the fact that the original earthworks were constructed over 50 years ago means that these assets have depreciated by some 50%.

Table 2: *2007 Valuation of Infrastructure and Specialised Building ($)*

Summary Description	Optimised Replacement Cost	Optimised Depreciated Replacement Cost	Annual Depreciation
Infrastructure Assets	$45,436,000	$25,442,000	$1,892,000
Specialised Buildings	$336,000	$122,000	$6,000

The value of the infrastructure assets is $25.442M. This is the first year that these assets have been included in the valuation so there are no comparative values from the previous 2004 valuation.

This infrastructure value should not be added separately as it is already subsumed in the market values assessed for the land (see land valuation report prepared by Seagar & Partners).

There are a small number of miscellaneous buildings/structures at the airport. All but two (water tower and sign gantry) have been optimised out of the valuation. These miscellaneous buildings/structures have a value of $122,000. The value of these buildings/structures is not subsumed in the land value and must therefore be included as an improvement value.

1 Introduction

1.1 Scope

Opus International Consultants Limited (Opus) has been engaged by Christchurch International Airport Limited (CIAL) to establish the fair value of its civil works assets. The assets valued are summarised in Table 3 below.

***Table 3**: Specialised Assets*

Asset Type	Asset Description
Airside Pavement	Runways, taxiways and aprons including shoulders plus other paved hardstand areas, perimeter road and flanking grassed areas.
Landside Pavement	Includes the carriageway, kerbs & drainage associated with the road , footpaths, car parks
Utility Services	Water supply system, storm water, artesian water, sewerage, communication ducts and cables, electrical and gas networks.
Miscellaneous Assets	Gates, fences, signs, lights, pavement markings and sign gantry.
Landscaping	Roadside berms.
Miscellaneous Bldgs/Structures	Water tower, swimming pool, radar bunker & sewage disp shed

Except for flanking areas to pavement assets, the cost of grass cover has not been valued as it is assumed to be subsumed in the land valuation provided by Seagar & Partners. The inclusion of road berms and flanking assets reflects that pavement construction involves levelling earthworks and subsequent regrassing of peripheral areas.

1.2 Purpose

The objective of this valuation is to assess the fair value of CIAL's specialised infrastructure assets. The valuation is for financial reporting and aeronautical pricing purposes.

1.3 Basis of Valuation

The valuation has been performed in accordance with the terms of reference and specific instructions contained in CIAL's Asset Valuation Handbook May 2007. Specifically the valuation has been undertaken in accordance with the New Zealand Equivalent to International Accounting Standard 16 (NZ IAS 16) "Property, Plant and Equipment" and with the relevant Property Institute of New Zealand (PINZ) standards and guidelines, notably PS3 and GN 3.2: Valuations for Financial Reporting Purposes in New Zealand.

CIAL's assets incorporate a combination of specialised and market assets and therefore different methodologies are required for individual asset classes.

CIAL's specialised assets are grouped into 4 main classes:

- Runways, taxiways and aprons
- Infrastructure
- Buildings
- Plant, machinery and equipment

The specialised assets covered by this report include:

1. Runway, taxiways and aprons
2. Infrastructure assets
3. Miscellaneous Specialised Buildings/Structures

Assets were classified into separate categories in consultation with CIAL. Once categorised, the appropriate valuation methodology was assigned to each asset class. The Optimised Depreciated Replacement Cost (ODRC) methodology has been used for the valuation of the specialised assets valued by Opus.

1.4 Valuation Outputs

This report describes the valuation methodology including a full explanation of the assumptions made and input parameters used in the valuation process. Key outputs from the valuation are:

- The quantity of assets included in the valuation.
- A summary of unit cost rates and service lives used in the asset valuation.
- The gross replacement cost, optimised depreciated replacement cost and annual depreciation, by asset type.
- An indication of the assessed accuracy of the valuation.
- A comparison with the previous (2004) valuation.

The effective date of the valuations is the 30th June 2007.

1.5 Report Structure

This report has been structured to address the key valuation issues.

Section 2 outlines the valuation process, including:

- development of the valuation inventory

- replacement cost assessment
- consideration of optimisation
- depreciation assessment

Section 3 describes the runway, taxiway and apron assets and provides the valuation details.

Section 4 describes the infrastructure assets and provides the valuation details.

Section 5 presents the valuation results and assessed accuracy.

Section 6 provides a comparison between the 2007 and 2004 valuations.

Valuation spreadsheets and supporting documentation are included as appendices.

2 Valuation Methodology

2.1 Valuation Process

The specialised pavement and infrastructure assets have been valued on an ODRC basis. The process involves four main steps. These are:

1. Development of an asset inventory (description and quantity of assets).
2. Adjustment to reflect any relevant optimisation.
3. Estimation of the current replacement cost.
4. Depreciation to reflect remaining life expectancy.

2.2 Asset Inventory

2.2.1 General Format

The valuation schedules have been developed using a Microsoft EXCEL database, with separate spreadsheets for each asset group. The file includes a summary sheet as well as look up tables for multi-use asset data such as unit costs, asset lives, residual values etc. Spreadsheets contain three main sections:

1. Asset identification and description.
2. The valuation parameters.
3. Valuation outputs.

2.2.2 Asset Identification & Description

The column fields are:

Asset Class	- classification number to identify component level.
Component	- component/sub-component of the parent asset group.
Description	- asset description.

2.2.3 Valuation Parameters

The column fields are:

Material	- material composition of the asset e.g. concrete, asphalt.
Quantity	- measurement of asset e.g. length, thickness, diameter.
Units	- unit of measurement.
Date	-date that the current asset was constructed/supplied.
Age	- current age of the asset.

Condition	- asset condition (if known or observed).
TUL	- total useful life of asset.
RL	- remaining life.
RV	- residual value at the end of asset life.

2.2.4 Valuation Outputs

The column fields are:

ORC	- optimised replacement cost.
ODRC	- optimised depreciated replacement cost.
AD	- annual depreciation

2.2.5 Data Sources

The data and information used for this valuation were collected from:

- Liaison and discussion with CIAL officers and their engineering consultants.
- Plans, drawings, reports, aerial photographs and other available technical documents.
- Field observations by the Opus team.
- CIAL's capital expenditure forecasts.

2.2.6 Validation

Where appropriate or possible we have verified the information and documentation provided. Data validation based on sampling was carried out along with visual assessments to verify the completeness and accuracy of information. This involved scaling areas/dimensions off plans and drawings, electronic measurement from CAD drawings, and field inspections to ensure that location, category and description were appropriately coded and that the listed quantities are realistic. Field measurements were made where practical. Checklists were developed to facilitate the task and to improve the likelihood that the majority of assets are captured in the valuation. Adequacy of the information was reviewed including consideration of level of certainty/reliability. Data gaps were identified and substitute inputs derived for use in the valuation where information was missing or uncertain. We would stress that we cannot accept responsibility for the accuracy of any information supplied.

2.2.7 Information Management

Information management was considered to be a crucial aspect of the valuation process. The source of information and management of data used in developing the

valuation was thoroughly assessed to ensure the robustness of the valuation schedules. All sources of information have been identified, documented and reviewed to ensure that assets and components have been correctly accounted for and appropriately valued.

2.3 Replacement Costs

Replacement costs were calculated by applying unit cost rates to the identified quantity of assets, with allowance for other costs such as site establishment, professional fees and financial charges.

2.3.1 Unit Costs

The unit costs were derived using construction cost information from a variety of sources. These included:

- Recent local competitively tendered construction works.
- Published cost information.
- Cost rates derived from recent construction work at the airport.
- Opus' database of costing information and experience of typical industry rates.

Assets lacking recent cost evidence have had to rely on price indexing to update historical cost information to current values.

2.3.2 Allowance for Other Costs

In addition to the construction cost, the gross replacement cost includes an allowance for other costs such as development fees and holding costs. These include:

a) Professional fees for planning, investigation, design and implementation.

b) Preliminaries and site establishment (contractor set-up costs for plant and equipment, offices and sheds, fences, temporary services, insurance etc).

c) Financial charges (opportunity cost of holding development costs through to the completion of construction).

The loading applied to the valuation to allow for these other costs has a material impact on the overall value. Each 1% change in this allowance results in a circa $17M change in the total replacement cost value of the runways, taxiways & aprons and infrastructure assets.

These allowances are expressed as a percentage (%) of the construction cost. The amount can vary depending on the scale of the project and the duration of construction. The allowances have been included:

- 10% for professional fees
- 10% for preliminary and general costs
- 2% for resource consents (for non- depreciable assets)
- 15% for the added costs of working airside.

In addition, an allowance in the form of an interest charge has been included to reflect the opportunity cost of capital tied up during construction. A holding rate of 7.2% per annum has been assumed for renewable pavement and infrastructure assets. A higher rate of 8.2% has been assumed for the original earthworks (non-depreciable) to reflect the higher risk premium associated with any construction undertaken prior to the airport became operational.

Details of the allowance assumed for each asset group are included in Appendix C.

2.4 Optimisation

There are three accepted requirements for the optimisation of infrastructure assets.

(a) It must represent the lowest cost of replacing the economic benefits embodied in an existing asset.

(b) All vestiges of over-design, excess capacity (over and above that necessary for expected short term growth) and redundancy must be eliminated.

(c) Optimisation is limited to the extent that it can occur in the normal course of business and uses commercially available technology.

The latter criterion is often called brownfield optimisation which recognises the incremental nature of infrastructure growth. Excess capacity and over-design are eliminated but the historic layout of the assets is retained. This reflects the normal process going forward where elements of the asset may be resized or reconfigured when they are replaced, but essentially the existing layout is retained.

In addition to the above requirements, there are 3 additional concepts that are often associated with optimisation.

(i) The hypothetical new entrant test.

(ii) Used and useful.

(iii) Prudence.

The first concept infers that an optimised asset must reflect what a hypothetical new entrant would construct if replicating the existing service (assuming the existing facility didn't already exist). Greenfield optimisation reflects the least cost to design and build an entirely new facility or network regardless of the historical constraints that may have applied. In practice, a greenfield replacement cannot occur in the normal course of business. Consequently optimisation of large-scale infrastructure, such as an airport, is generally considered in the context of incremental brownfield development, which assumes progressive development that matches the incremental growth that would occur in normal circumstances. Under-utilised assets are replaced by assets of lower capacity and redundant assets are removed, but the historical configuration of the assets is retained. This approach recognises that there is always some degree of sub-optimality and allowance for growth in future demand. It also reflects the historical development of the existing business, the time lag in asset planning and construction, the very long lives of these assets and the replacement of components in the normal course of business. As the facility expands and changes, a degree of sub-optimality at any point of time is inevitable and part of the cost of total output.

The second concept was introduced by the New Zealand Commerce Commission and requires that an asset must be used or useful in terms of the services provided, if it is to be optimal. The current assets were checked for compliance with this criterion.

The third point requires that the optimised arrangement should reflect the actions of a prudent asset owner. In other words inefficiencies arising from a lack of prudence by the asset owner should be optimised out of the asset base. There is no evidence of imprudent decision making in the development of this asset that would warrant optimisation from a valuation perspective.

A key element of the process is in deciding an appropriate level of optimisation. An incremental brownfield optimisation process has been assumed for this valuation. This optimisation process minimises the cost of replacing the services offered by CIAL, given the age and condition of the existing assets and recognising the incremental process (brownfield) associated with airport development. Costs have been assessed to reflect the replacement of current assets with modern equivalents, an optimised construction sequence and adjustment to allow for the difficulties associated with a "brownfield" environment. Where appropriate, adjustments have been made to eliminate surplus assets, obsolescence and over design.

The question of optimality of location or the impacts of site reconfiguration were considered to be outside the scope of this study, and have been assumed optimal for the purpose of this valuation.

2.5 Depreciation

2.5.1 Depreciation Profile

Depreciation is an accounting mechanism for the return of capital invested in depreciable assets. The depreciation profile is generally set to reflect the wearing out of the asset and match the pattern of benefits generated by its use. The key variables that determine the depreciation amount are the initial capital cost, the total useful life of the asset (TUL), its residual value at the end of that life (RV) and the number of years of remaining life expected for that asset (RL).

Straight-line depreciation is generally accepted as suitable for the valuation of civil works assets. Its profile reflects that a uniform (constant) level of benefits is derived from the assets as they wear out. A straight-line approach has been adopted for this valuation.

2.5.2 Asset Age

Where possible, information was obtained on the construction dates for the assets or asset components. Sources included CIAL's asset inventory, the capital expenditure programme and discussion with CIAL staff. Judgement was used during site inspections to reconcile the recorded age information with that apparent from observation.

2.5.3 Asset Life

Two approaches were considered for asset life; a fixed average life for each asset type, and an age adjusted base life.

The first method is the more commonly used approach and assumes a fixed life which varies depending on the asset type.

For the second method, each asset (component, sub-component) is assigned an expected base life (BL). This base life is adjusted to an expected physical life (PL) by taking account of the asset's age (using the method presented in the New Zealand Infrastructure Asset Management Manual). This adjustment is based on the premise that as an asset gets older, its total life expectancy increases. The distribution of asset lives is very sensitive to the base life assigned to each asset group, and requires an iterative trial and error process to arrive at the base life that best reflects the average life profile of the current assets.

Both methods were trialled. The fixed life method was adopted as it produced more realistic result.

An initial assessment of remaining life (RL) was then calculated as the difference between physical life and age of the asset (ie. RL = PL – age). Where condition information was available, condition ratings were assigned to assets. Using deterioration relationship information, the remaining lives of assets were adjusted to reflect their observed condition. Adjustments were also made to the remaining life estimates to take into account any other over-riding factors likely to influence a particular assets life expectancy. For example maintenance programmes and the airport development strategy were checked for early replacement or retirement of individual assets. The expected total useful life (TUL) is then given by the sum of expected remaining life and asset age (TUL = RL + age).

2.5.4 Residual Value

Where appropriate, assets are assigned residual values at the end of their useful lives. Basecourse is typically given some residual value to reflect the economic savings of re-use when pavement is replaced. However, given the local abundance of underlying river gravel, reuse is unlikely to yield any significant savings. A zero residual value has been adopted for all assets.

2.5.5 Demolition

Assets that incur cost for their demolition and removal at the end of their lives are assigned a liability (in net present value terms) only after a firm commitment are given to incur this cost. No definitive demolitions were identified for this valuation.

Demolition costs have been excluded from the replacement cost of assets. Where an existing asset has been demolished and removed to enable its replacement to be constructed, its current book value is reduced to zero. As a result of this, capital expenditure usually produces a less than 1:1 increase in asset value.

2.5.6 Capital Works Vs Operating Expense

Consideration has also been given to whether asset replacements are funded as capital works or as an operating expense. Capital funded assets are subject to a depreciation charge while work funded from an operating budget is not. This distinction is important to avoid double counting.

2.6 Valuation Confidence Rating

Confidence ratings have been assigned to the source data with respect to quantities, unit cost rates, remaining lives and total life expectancies. These ratings were

confirmed as part of the asset inspection process. The grading system used to rate confidence levels is summarised in the table below.

Table 4: *Confidence Rating System*

Grade	Label	Description	Accuracy
A	Accurate	Data based on reliable documents	± 10%
B	Minor inaccuracies	Data based on some supporting documentation	± 20%
C	Significant data estimated	Data based on local knowledge	± 30%
D	All data estimated	Data based on best guess of experienced person	± 40%

Accuracy levels have all been assessed on a consistent basis for all infrastructure assets. The approach taken is illustrated in the following table.

Table 5: *Application of Confidence Ratings*

Asset	Quantity	Unit Costs	Life/Rem Life	ODRC
XXXXXXX	A, B, C or D	A, B, C or D	A, B, C or D	A, B, C or D

2.7 Work In Progress (WIP)

The 2007 valuation has been calculated using a fully up-to-date inventory. Consequently no adjustment to the valuation is required for work in progress.

3 Runways, Taxiways and Aprons (RTA)

3.1 General Description

3.1.1 Runways

The airport has two runways with parallel full-length taxiways, providing operational flexibility and convenience while meeting the needs of all current aircraft types. The main runway 02/20 (NE/SW) is 3,288m in length and is used for 93% of all operations. The cross-runway 11/29 (NW/SE) is 1,741m in length and is used in Northwest wind conditions by aircraft up to and including 767's.

15 m width of asphaltic concrete (AC) shoulders flank these runways. These are planned to be widened to accommodate the extra wing span of the new Airbus 380 aircraft.

3.1.2 Taxiways

There are 9 designated sections of taxiways; two of which are the aforementioned main taxiways and five smaller taxiways joining the main runway to its full length taxiway. The main taxiway A is 2,991m in length and runs parallel to the main runway 02/20. Taxiways E, E1, F, F1 and A5 make up the taxiway that accompanies the cross-runway 11/29 and has a total length of 1,811m. There are three taxiways, E12, E13 and E14, which make up the access path from the Canterbury Aero Club apron to taxiway E. Taxiways A2, A3, A4, A6 and A7 are the five sections which join the main runway 02/20 to taxiway A.

Only taxiway A and the five joining taxiways just mentioned include the 15m of asphaltic concrete that make up the shoulders.

3.1.3 Aprons

There are 7 designated aprons of varied composition, size, age and surface material, covering an area of almost 18.5 hectares. The aprons accommodate 14 airbridges (9 International and 5 Domestic) plus there are a number of remote stands for aircraft. The International apron consists of stand 12 and stands 24 through to 35 while the Domestic apron includes stands 1 through to 11. Also included in the valuation were aprons under the following names: Fire Rescue; Air Ambulance; Antarctic; New Zealand Post; Parceline and Canterbury Aero Club.

3.2 Pavement Assets

Pavement assets have been separated into four components for valuation purposes: subgrade formation, subbase, basecourse and surface layer. Where the surface layer

is 100mm or thicker, this layer is further subdivided into a lower layer and upper layer.

The subgrade formation is the engineered platform upon which the pavement is constructed. It includes allowance for:

- Clearing the site and stockpiling of topsoil
- Profiling (cut and fill earthworks)
- Removal and replacement of unsuitable material
- Proof rolling and compaction of the subgrade materials

The subbase and basecourse layers are composed of compacted rock aggregates that protect the underlying soil foundations from deformation and generally provide the load bearing capacity. For thicker pavements economies are achieved by placing lower quality aggregate (sub-base) beneath the higher quality crushed rock aggregates. The unit cost rates have been derived on this basis.

The surface layer serves to spread the vertical loads, resist lateral loads, provide weatherproof protection to the underlying pavement layers and generally keep the surface free of loose debris. There are three basic types of pavement surface used at Christchurch Airport. These are:

- concrete
- asphalt
- interlocking blocks

Asphalt is the predominant pavement surface. It is the most economic material for airport pavement given the relatively good foundation strength of the underlying river gravels upon which a large portion of the airfield is constructed. Concrete is used in the apron areas where there is likelihood of fuel spillage from parked aircraft (aviation fuel tends to soften and damage bitumen based materials).

3.3 Optimisation

Optimisation considerations for pavement assets include:

(i) the quantity of asset (ie area of pavement)

(ii) The design of the pavement (thickness of pavement)

(iii) Type of material (i.e. asphalt or concrete)

No adjustments are considered necessary to pavement area (ie length x width). Similarly the pavement thicknesses assumed for the valuation are appropriate for the level of demand loading.

3.4 Quantities

3.4.1 Areas

RTA pavement area information comes from the asset schedules prepared for the 2006 valuation. These were checked against the areas calculated by Opus for the 1999 valuation and by electronically measuring pavement areas from CIAL CAD drawings.

3.4.2 Thickness

To support international class aircraft such as the Boeing 747 "Jumbo" jet or the new Airbus 380s, a pavement thickness of more than half a metre is required for the typical foundations present at Christchurch Airport. Thickness of the asphalt surface layer or concrete slabs must take into account the forecast wheel loading demand over its expected life. For heavy-duty AC pavements a structural thickness of 100mm is generally required to meet these minimum requirements (50mm is often used for lightly trafficked areas like shoulders).

Pavement thicknesses have been advised by CIAL, and indicate that:

- For flexible pavements, the thickness adopted for the optimised valuation of the flexible pavements is either 450mm of granular material and 100mm asphalt wearing course or actual pavement thickness, whichever is the lesser.
- For rigid concrete slabs, which are much thicker than the more flexible asphaltic concrete surface layers, a much lesser thickness of basecourse material (generally 200-300mm for recent rehabilitation works) is utilised.

3.5 Cost Rates for Pavements

The unit costs used for valuing the pavement assets are based on costs from recent construction contracts and from other major projects in the Canterbury Region (general road costs). In addition to the standard allowances for professional fees and finance charges an increase of 15% has been applied to airside construction to account for the extra costs associated with the increased security and work constraints.

3.6 Pavement Life

Pavement deterioration occurs from a combination of loading and environmental effects. Loading is the predominant determinant of total life for pavements. Based on pavement design and expected loadings, the following life expectancies have been assumed.

The upper surface of AC pavement is assumed to have an average life of 15 years. The lower AC layer and the basecouse layer are assumed to survive four overlay cycles (60 yrs). The subbase is expected to last two basecouse cycles (120 yrs). The formation is assumed to be non-depreciable.

Top 50mm of AC	- 15 yrs
Lower layer of AC	- 60 yrs
Basecourse	- 60 yrs
Subbase	- 120 yrs
Formation	- infinite

3.7 Residual Value

Little re-use or salvage value is expected to be made of the airfield pavement assets.

3.8 Demolition

There is however a cost associated with demolition and removal. This is more significant for the concrete pavements. This net liability is taken into account by deducting its net present value (i.e. discounted cost) from the asset value. This adjustment is not made until the likelihood of demolition becomes definite. (No adjustments have been included for this valuation.) AC overlay treatment usually involves milling off a certain thickness of the current surface layer. The cost of removing the top surface of the AC layer is a legitimate component of the cost of this surfacing option and has therefore been included in the replacement cost of the asset. Because milling is required for only two out of four upper surface cycles, it has been costed at half the normal rate.

3.9 Miscellaneous Airside Assets

The cost of creating the grassed strips that flank the runways, taxiways and aprons has been included as an asset. The cost includes stripping & stockpiling top soil, cut and fill earthworks, preparing the subgrade, re-spreading the top soil and grass seeding. The following strip widths have been assumed:

Table 6

Pavement	Width of Flanking Strip
Runways	60 – 65m each side
Main Taxiway	30m one side
Taxiways	Approximately 5m (varies) each side

The cost of the airside perimeter road has also been included. This road is 4m wide consisting of 300mm of pavement with a chipseal surfacing.

3.10 Valuation Parameters

The values assumed for each pavement component are summarised in the following table:

***Table 7**: Pavement Parameter Assumptions*

Component	Thickness (mm)	Unit Cost	Exp Life (yr)	Residual Value
Runways, Taxiways & Aprons				
Concrete slabs	350	$700/m^3$	50 yrs	0
Interlocking Concrete Block Pavers	N/A	$110/m^2$	40 yrs	0
Asphalt Surfacing - upper layer	50mm	$400/m^3$	15 yrs	0
Asphalt Surfacing - lower layer	60mm	$470/m^3$	60 yrs	0
Structural milling of AC surface layer*		$9.5/m^2$	15yrs	0
Grooving on runways	N/A	$7/m^2$	15 yrs	0
Bituminous Prime	N/A	$2/m^2$	60 yrs	0
Basecourse – AP20	150-225mm	$60/m^3$	60 yrs	0
Subbase – AP40	150-225mm	$45/m^3$	120 yrs	0
Subgrade – runways, taxiways. aprons	N/A	$25/m^2$	indefinite	0
Subgrade – shoulders	N/A	$22.5/m^2$	indefinite	0
Subgrade – aeroclub taxiway & apron	N/A	$20/m^2$	indefinite	0
Grassed covered flanking areas.	N/A	$10/m^2$	indefinite	0

Unit costs exclude the on-cost factors.

* Half the normal cost rate has been used to reflect that structural milling is required only twice for every four surface cycles.

4 Infrastructure Assets

4.1 Roads

4.1.1 Description

In general the roads are constructed of crushed rock basecourse with a mixture of AC and chip seal surfacing.

4.1.2 Optimisation

All main access roads are two lane dual carriageways, and are considered optimal for the current traffic demand. The remaining roads are service roads of suitable capacity to service the present needs of the airlines, the airport management and tenants.

4.1.3 Quantities

Areas and Thickness

Pavement area information comes from the 2006 valuation schedules. Pavement thicknesses have been based on typical designs for particular use categories; primary and secondary roads, car parks, and terminal area.

4.1.4 Cost Rates for Pavements

The unit costs used for valuing the pavement assets are based on construction costs from recent construction work in the Christchurch area.

4.1.5 Pavement Life

Pavement deterioration occurs from a combination of loading and environmental effects. Loading is the predominant determinant of total life for concrete pavements. Based on pavement design, expected loadings and site reconfiguration, a life of 50 years has been assumed. Life expectancy for AC pavements has been set at 15 years and 10 years for chip seal surfacing.

4.1.6 Residual Value

No salvage value or reuse is expected from these pavement assets.

4.1.7 Valuation Parameters

The values assumed for each pavement component are summarised in the following table:

Table 8: *Road Pavement Parameters*

Component	Thickness (mm)	Unit Cost	Total Life (yr)	Residual Value (%RC)
Asphalt Surface	25-50	$15/m2	15	0
Basecourse – AP20	100-150	$60/m3	60	0
Subbase – AP40	100-200	$45/m3	60	0
Subgrade – roads	-	$10/m2	-	100
Subgrade - other	-	5/m2	-	100

Unit costs exclude the on-cost allowance.

4.2 Main Services

4.2.1 Water Supply System

General Description

The water reticulation system is comprised of six components - pipes, valves, meters, metering points, hydrants and wells. CIAL database records include pipe diameters, lengths, material types and year of construction. CAD drawings show the extent of the water reticulation network.

Optimisation

The valuation is based on UPVC or HDPE replacement pipes for diameters less than 225mm and ductile iron (DI) or concrete lined mild steel (CLMS) pipes for larger diameters. Given the current usage and projected growth of the airport site, it is unlikely that any major water reticulation components are over capacity.

4.2.2 Sewerage System

General Description

The airport sewerage system is comprised of seven components - pipes, valves, tanks (septic and flush), chambers (inspection and pump), manholes, interceptor traps and a disposal field. CIAL database records include pipe diameters, lengths, material types and year of construction. CAD drawings show the extent of the water reticulation network.

Optimisation

The valuation is based on UPVC or HDPE replacement pipes for diameters less than 225mm and Reinforced Concrete Rubber Ring Jointed (RCRRJ) pipes for larger diameters. Given the current usage and projected growth of the airport site, it is

unlikely that any major wastewater components are currently over designed. Any component that was classified as redundant was not excluded from the valuation.

4.2.3 Drainage/Stormwater System

General Description

The drainage system has been constructed between 1965 and the present day. CIAL's database records include pipe diameters, lengths, material types and year of construction. Drawings show the extent of the stormwater network and details of the main stormwater components. The drainage system consists of sumps (single and double), soakpits, interceptor traps, stormwater pipes, manholes, and swales.

Optimisation

The stormwater system has been valued based on the existing layout. The valuation is based on UPVC or HDPE replacement pipes for diameters less than 225mm and RCRRJ pipes for larger diameters. Given the projected growth of the airport site, paved surface areas will increase significantly in the future. Therefore it is unlikely that any major stormwater components are over designed.

4.2.4 Electrictrical System

The electrical distribution system owned by CIAL provides power to the Domestic and International terminals and to the Artic Centre. The high voltage system, cable ladders, submains and switch boards owned by CIAL are distributed throughout the terminal buildings and within the carpark and Antartic Centre. Only those sections external to the buildings have been included in this valuation. The information gathered and used in the valuation as an asset base was taken from the 2001/2002 Electrical Infrastructure Valuation prepared by Pedersen Read.

4.2.5 Gas Distribution Network

No inventory information is available for the gas network assets.

4.3 Miscellaneous Assets

4.3.1 Services Ducts

The service ducts included in the valuation are primarily used to convey electrical services and communications across the airport site. Manholes and chambers act as node points linking the ducts together. The ducts are generally 100mm in diameter and constructed of plastic. CIAL supplied databases with information on size, length, material type and year of installation.

4.3.2 Fibre Optics

Very limited inventory was available for the fibre optic cables. There was no information on lengths or diameters.

4.3.3 Fences and Gates

The fences and gates asset base was established from information on the CIAL AutoCAD infrastructure drawings. There are two varieties of fences; the airfield security fence, which surrounds the perimeter of the airfield, and the standard fences that divide the various sections on CIAL land. The gates along both fence lines vary in sizes, with the majority ranging between one and six meters wide. Because no detailed inventory was available for the gates they have been valued by applying an estimated average cost to the total number of gates.

The three main entrance gates have recently been replaced. These gates have been separately identified in the inventory and valued using actual construction costs for these assets (including the cost of security cameras, hardware/software and electrical componentry).

4.3.4 Signs, Lights and Pavement Markings

No inventory was available for these assets. Their value has been calculated using $/m2 rates derived from Auckland Airport. A small downward adjustment was applied to reflect the slightly lower intensity at Christchurch Airport.

4.3.5 Miscellaneous Specialised Buildings & Structures

A number of miscellaneous specialised buildings/structures have been included with the civil works valuation. These include:

- Building No. 190 – Water Tower
- Building No. 196 – Swimming Pool (including changing shed)
- Building No. 205 – Radar Building (concrete bunker)
- Building No. 206 – Sewage Disposal Shed

5 Results

5.1 Runway, Taxiways & Aprons

The 2007 valuations of the runway, taxiway and apron assets are tabulated below.

***Table 9**: 2007 Valuation of Runways, Taxiways & Aprons ($)*

Asset	Gross Replacement Cost	Optimised Depreciated Replacement Cost	Annual Depreciation
Main Runway	$28,979,000	$17,446,000	$938,000
Second Runway	$11,160,000	$4,606,000	$293,000
Main Taxiway	$17,125,000	$11,450,000	$657,000
Other Taxiways	$25,213,000	$14,278,000	$630,000
Passenger Aprons	$14,188,000	$8,139,000	$457,000
Other Aprons	$13,839,000	$7,895,000	$336,000
Fire Service	$720,000	$490,000	$18,000
Grass Flanks	$11,130,000	$11,130,000	$0
Perimeter Road	$2,247,000	$1,587,000	$35,000
Total	**$124,601,000**	**$77,020,000**	**$3,364,000**

The RTA assets have a current value of seventy seven million, and twenty thousand dollars ($77,020,000) and an annual depreciation of $3.364M.

The confidence ratings are tabulated below for the runway, taxiways & aprons.

***Table 10**: Confidence Rating for Runways, Taxiways & Aprons*

Business Unit	Quantity	Unit Cost	Life/Rem Life	ODRC
Airside Pavements	A	A - B	A - B	A - B

The accuracy rating for the runway, taxiways and aprons is A-B i.e. around ± 15%.

5.2 Infrastructure Assets

The 2007 valuations of infrastructure assets are tabulated below.

***Table 11**: 2007 Valuation of Infrastructure Assets ($)*

Asset	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation
Roads & Carparks	$6,620,000	$3,451,000	$125,000
Grassed Berms	$493,000	$303,000	$8,000
Kerb & Channel	$1,079,000	$365,000	$71,000
Paths & Drives	$374,000	$154,000	$12,000
Artesian Water	$1,366,000	$1,161,000	$19,000
Comm Ducts & Cables	$1,542,000	$813,000	$18,000
Sewerage System	$5,414,000	$2,438,000	$41,000
Stormwater System	$4,945,000	$3,924,000	$65,000
Water System	$5,443,000	$2,969,000	$49,000
Electrical System	$1,377,000	$1,037,000	$23,000
Signs & Markings	$4,785,000	$2,392,000	$1,032,000
Lights	$2,817,000	$1,409,000	$94,000
Gates & Fences	$9,181,000	$5,026,000	$335,000
Total	**$45,436,000**	**$25,442,000**	**$1,892,000**

The infrastructure assets have a current value of twenty five million, four hundred and forty two thousand dollars ($25,422,000).

The confidence ratings are tabulated below for the infrastructure business units.

***Table 12**: Confidence Ratings for Infrastructure Assets*

Business Unit	Quantity	Unit Cost	Life/Rem Life	ODRC
Roads & Pavements	A	B	A-B	A-B
Utilities	A-B	A-B	B-C	B

The weighted average accuracy rating for the infrastructure valuation is in the range A to B ie around ± 15 – 20%.

5.3 Miscellaneous Specialised Buildings/Structures

The 2007 valuations of miscellaneous buildings/structures are tabulated below.

***Table 11**: 2007 Valuation of Miscellaneous Buildings/Structures ($)*

Asset	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation
Water Tower	$249,000	$40,000	$500
Sign Gantry	$87,000	$81,000	$5,400
Total	**$336,000**	**$121,000**	**$5,900**

6 Change in Valuation

6.1 Runways, Taxiways & Aprons

The change in the value between 2004 and 2007 is tabulated below.

***Table 13**: Change in Valuation of Runways, Taxiways and Aprons*

Asset	Gross Replacement Cost			Opt Depreciated Rep Cost		
	2004	2007	%	2004	2007	%
Main Runway	$26,448,000	$28,979,000	10%	$12,744,000	$17,446,000	37%
Second Runway	$8,996,000	$11,160,000	24%	$3,583,000	$4,606,000	29%
Main Taxiway	$12,877,000	$17,125,000	33%	$6,223,000	$11,450,000	84%
Other Taxiways	$16,129,000	$25,213,000	56%	$7,137,000	$14,278,000	100%
Passenger Aprons	$11,161,000	$14,188,000	27%	$4,731,000	$8,139,000	72%
Other Aprons	$13,582,000	$13,839,000	2%	$7,222,000	$7,895,000	9%
Fire Service	$618,000	$720,000	17%	$432,000	$490,000	13%
Grass Flanks	$22,687,000	$11,130,000	-51%	$13,432,000	$11,130,000	-17%
Perimeter Road	$0	$2,247,000	0%	$0	$1,587,000	0%
Total	**$112,498,000**	**$124,601,000**	**11%**	**$55,505,000**	**$77,020,000**	**39%**

The value of the RTAs has undergone a series of changes since the last valuation undertaken in 2004. The 2004 ODRC value was $55.5M and has now risen 39% to $77M in 2007.

These valuation changes are the result of a number of key factors;

- Changes in asset lifecycle assumptions
- Changes in replacement costs
- Changes in quantities
- General price increases
- Depreciation
- Capital works
- Disposals

The broad components of the change in value between 2004 and 2007 are tabulated below.

Table 14 2004 and 2007 Movement in ODRC

	ORC ($)	ODRC
2004 Value ($M)	$112.5	$55.5
eliminate stripping cost	-$11.4	-$6.1
reduce quantity of flanking works	-$11.6	-$6.3
reduce earthworks cost rate	-$5.5	-$2.5
eliminate depreciation of earthworks	$0.0	$15.0
increase in price of pavement assets (14%)	$2.8	$1.0
increase thickness of AC (55mm to 110mm)	$23.6	$8.3
addition of milling costs	$10.3	$3.6
increase pavement life	$0.0	$4.8
addition of airside perimeter road	$2.2	$1.6
Subtotal Change	$10.4	$19.3
Capex - improvement/new assets	$1.7	$1.7
Capex - renewal of existing assets		$12.1
Capex write-off		-$1.5
2004 - 2007 Depreciation		-$10.1
2007 Value ($M)	$124.6	$77.0

The diagrammatic representation of the above movements is presented below.

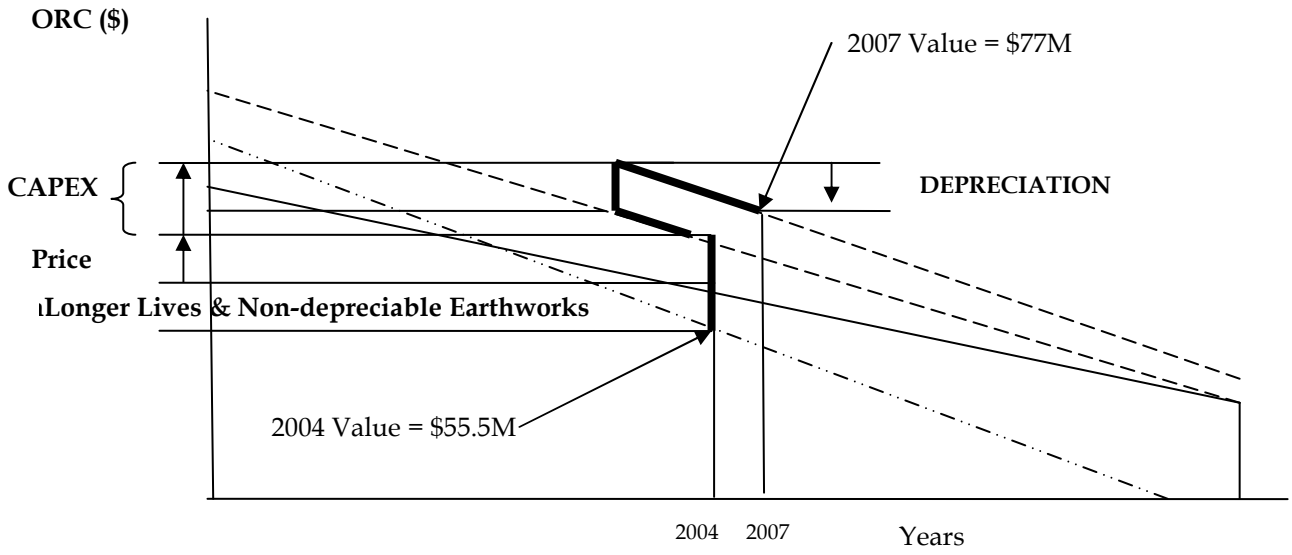

Figure 1 Change in Value of RTAs

(i) Site Stripping Costs

The 2004 earthworks included $5/m^2$ for the initial site stripping. This cost has been excluded from the 2007 valuation as the initial site stripping is assumed to be already included in the assessed land value. This reduces the value by $6.1M.

(ii) Grassed Flanks

The 2004 earthworks assumed an average depth of 1m for flanking earthworks and allowed a cost of $15/m^2$ for the formation and grassing of the flanking area. A reduced depth of earthworks has been adopted for the 2007 valuation yielding a cost rate of $10/m^2$. This reduces the value by a further $6.3M.

(iii) RTA Earthworks

A rate of $30/m^2$ was assumed in the 2004 valuation for the construction of the formation platform for the RTAs. A lower rate of $25/m^2$ has been adopted for the 2007 valuation. Also a lower on-cost has been applied (see section 6.2 below). This reduces the value by a further $2.5M.

(iv) Depreciation of Earthworks

Earthworks were depreciated at 1% for the 2004 valuation. The Opus model assumes that earthworks are non-depreciable. While this may not seem much different from the 2004 assumption of 100 year life, the fact that the earthworks are some 50 years old, means that for the 2004 valuation the earthworks have depreciated by more than 50%. As the replacement cost of earthworks (including the flank areas) is large, this represents a significant level of cumulative depreciation and results in an increase of $15M to the 2007 valuation.

(v) Pavement Costs

The cost of pavement components have increased by varying amounts with an average increase of around 15% since 2004. This increase has been largely offset by a 10% reduction in the on-cost allowance (see section 6.2 below). The overall impact is less than $1M increase in value.

(vi) Pavement Surface Thickness

The 2004 valuation assume a single 50 - 55mm layer of asphalt for the pavement surfacing. The 2007 valuation recognises that the current pavements have a thickness of 100 - 110mm. The additional 50mm of pavement adds $8.3M to the value.

(vii) Milling Costs

The current replacement of the asphalt surfacing involves mill and overlay. The cost of milling is a recognised component of this process and has been included in the 2007 valuation. This increases the value by $3.6M.

(viii) Pavement Life

The 2004 valuation used a base life adjusted for age for estimating the useful life of pavement assets. The 2007 lives for the basecourse and surfacing assets are similar to those assumed for the 2004 valuation. The 2007 life adopted for the subbase component is approximately 55 yrs longer. This increases the value by $4.8M.

(ix) Airside Perimeter Road

The airside perimeter road was not included in the 2004 valuation. This increases the value by $1.6M.

(x) CAPEX

Capital expenditure between 1 July 2004 and 30 June 2007 has a direct impact on the asset value.

There has been $16.5M spent on RTAs between June 2004 and June 2007. The main projects included:

- Engine run-up pad A320.
- International Apron Reseal
- Reseal of part of main runway.
- Reseal of taxiway L
- Extension of Parceline Apron
- Reseal of part of main taxiway

This expenditure has resulted in a net increase in value of $13.8M of which $1.7M represents either new or improved assets while the other $12.1M represents renewal of the existing assets.

Some existing assets inevitably gets damaged/destroyed and replaced during the capital works programme, resulting in a write-off of book value for the impacted assets. The 2004 - 2007 capital works has resulted in a write-down of $1.5M.

(xi) Depreciation

There have been 3 years of depreciation since the last valuation. The RTAs have a high proportion of non-depreciable and long life components and

hence has a relatively low depreciation rate of 2.5% (ie an effective composite life of approximately 40 years). The depreciation between 2004 and 2007 has reduced the value of the asset by $10.1M (ie $3.36M/yr x 3 years)

6.2 Allowance for Other Costs

The allowances included for other costs are tabulated below.

***Table 15**: Changes in On-Cost Allowances*

Allowance	Original Earthworks		RTAs		Utilities	
	2004	2007	2004	2007	2004	2007
Site Estab , P & G	6.7%	10%	6.7%	10%	na	10%
Professional Fees	10.7%	10%	10.7%	10%	na	10%
Contingencies	21.3%	-	21.3%	-	na	-
Opportunity Cost	11.1%	18%	11.1%	5%	na	5%
Resource Consents		2%			na	
Airside Costs				15%	na	
Subtotal	49.8%	40%	49.8%	40%	na	25%[1]

The 2007 allowances for on-costs for RTAs and associated earthworks are 10% lower than that used in 2004. The individual component allowances are quite different. No contingency has been included in the 2007 valuation but this is offset by the higher holding (opportunity) costs (earthworks costs are held for a 2 to 3 year period), and the inclusion of an airside factor to account for the increased costs of security and restricted working conditions. No comment can be made on the comparative on-costs for utility assets. The utility assets were not included in the 2004 valuation.

6.3 Infrastructure Assets

This is the first time that a financial value of CIAL's infrastructure assets has been reported and hence no comparison can be made with the previous valuation.

[1] The allowance is increased by 15% to a total of 40% for airside utilities eg airfield drainage.

6.4 Forward Price Expectations

The international price drivers continue to put pressure on the costs of construction in NZ. The recent fall in the value of the NZ$ has fed directly the rising cost of construction inputs. While the value of the NZ$ has corrected marginally, most financial commentators predict a further weakening over the next two to three years, suggesting continued price rises, albeit at a lesser rate than that experienced over the last few years. The forecast expenditure levels for buildings and infrastructure over the next decade (particularly in the roading sector) suggest continued buoyancy in the construction industry and along with the shortages in the labour market mean that the corporate and labour cost drivers will continue to fuel price increases in the short to medium term. The October 2005 NZIER Update express the view that construction activity as a whole may be close to a plateau but need not be expected to decline significantly from current levels. The April 2007 Rider Hunt Forecast 45 makes a forward prediction of an average 4.5% per annum rise in construction prices over the next 4 years (based on the Statistics NZ Capital Goods Price Index for Non-Residential Buildings).

Alice Leonard writing in Progressive BUILDING April/May 2006, covered a presentation by Robert Mellor at the New Zealand Building & Construction Forecasting Workshop held in Auckland. Mr Mellor indicated that the strong growth in the construction sector over recent years is far from over. In fact he is convinced that "infrastructure construction is expected to gather momentum over the next three years to 2008/09, with record levels of spending on roads. The average annual allocation over the four years to 2008/09 is a whopping $1.42 billion which will lessen the impact of any downturn on infrastructure suppliers."

APPENDIX A

Airside Pavement Schedule

2007 Christchurch Airport: Valuation of Airside Sealed and Grassed Areas

Asset	Component	Category	Area (m2)	Date of Construction						Gross Replacement Cost						Depreciated Replacement Cost						Annual Depreciation					
				S/grade	S/base	B/course	Lower Sur	Upper Sur		S/grade	S/base	B/course	Lower Sur	Upper Sur	Total	S/grade	S/base	B/course	Lower Sur	Upper Sur	Total	S/grade	S/base	B/course	Lower Sur	Upper Sur	Total
Main Runway	T/way A2 - A3 (A - B)	Runway	40,800	1984	1984	1984	1984	1998		1,429,739	577,413	769,884	1,710,853	2,138,566	6,626,454	1,429,739	466,742	474,762	1,055,026	763,773	4,190,042	0	4,812	12,831	28,514	152,755	198,912
	T/way A2 - A3 (A - B)	Shoulder	11,800	1984	1984	1984	1984	1998		372,153	111,331	148,442	0	494,805	1,126,731	372,153	89,993	91,539	0	176,716	730,401	0	928	2,474	0	35,343	38,745
	T/way A3 - A4 (B - C)	Runway	24,900	1951	1951	1951	1951	2003		872,562	352,392	469,855	1,044,123	1,305,154	4,044,086	872,561	187,942	31,324	69,608	870,103	2,031,538	0	2,937	7,831	17,402	108,763	136,932
	T/way A3 - A4 (B - C)	Shoulder	7,500	1951	1951	1980	1980	2003		236,538	70,761	94,348	0	314,495	716,143	236,538	37,739	51,892	0	209,663	535,832	0	590	1,572	0	26,208	28,370
	T/way A4 - R/way 11-29 (C - Subsidary R/way)	Runway	28,100	1951	1951	1951	1951	2004		984,698	397,679	530,238	1,178,308	1,472,885	4,563,808	984,697	212,095	35,349	78,554	1,104,664	2,415,359	0	3,314	8,837	19,638	122,740	154,530
	T/way A4 - R/way 11-29 (C -Subsidary R/way)	Shoulder	7,500	1951	1951	1980	1980	1993		236,538	70,761	94,348	0	314,495	716,143	236,538	37,739	51,892	0	123,063	449,232	0	590	1,572	0	13,674	15,836
	R/way 11-29 - T/way A6 (Subsidary R/way - E)	Runway	36,900	1951	1951	1951	1951	2005		1,293,073	522,219	696,292	1,547,315	1,934,144	5,993,043	1,293,072	278,517	46,419	103,154	1,611,787	3,332,950	0	4,352	11,605	25,789	161,179	202,924
	R/way 11-29 - T/way A6 (Subsidary R/way - E)	Shoulder	11,000	1951	1951	1951	1951	2005		346,922	103,783	138,378	0	461,259	1,050,342	346,922	55,351	9,225	0	384,383	795,881	0	865	2,306	0	38,438	41,609
	T/way A6 - A7 (E - F)	Runway	21,300	1963	1963	1963	1963	2007		746,408	301,443	401,925	893,166	1,116,457	3,459,399	746,408	190,914	107,180	238,178	1,116,457	2,399,136	0	2,512	6,699	14,886	74,430	98,527
	T/way A6 - A7 (E - F)	Shoulder	5,600	1963	1963	1980	1980	2007		176,615	52,835	70,447	0	234,823	534,720	176,615	33,462	38,746	0	234,823	483,646	0	440	1,174	0	15,655	17,269
	Blast Pad Pavement (N & S)	Pad	1,500	1963	1963	1984	1984	1991		52,564	14,152	18,870	0	62,899	148,485	52,564	8,963	11,636	0	8,387	81,550	0	118	314	0	4,193	4,626
		Subtotal	196,900							6,747,809	2,574,770	3,433,027	6,373,764	9,849,982	28,979,353	6,747,806	1,599,458	949,963	1,544,520	6,603,818	17,445,566	0	21,456	57,217	106,229	753,378	938,281
Subsidary	West of M R/way	Subsidiary Runway	35,900	1951	1951	1951	1951	1997		1,258,031	508,067	677,422	1,254,485	1,505,383	5,203,387	1,258,030	270,969	45,161	83,632	564,518	2,222,311	0	4,234	11,290	20,908	94,086	130,519
	M R/way- M T/way	Subsidiary Runway	8,800	1951	1951	1951	1951	2002		308,375	124,540	166,053	307,506	369,007	1,275,482	308,375	66,421	11,070	20,500	215,254	621,621	0	1,038	2,768	5,125	30,751	39,681
	East of M T/way	Subsidiary Runway	32,300	1951	1951	1951	1951	1995		1,131,877	457,118	609,491	1,128,687	1,354,425	4,681,599	1,131,876	243,796	40,633	75,246	270,885	1,762,436	0	3,809	10,158	18,811	90,295	123,074
		Subtotal	77,000							2,698,283	1,089,725	1,452,967	2,690,679	3,228,815	11,160,468	2,698,281	581,187	96,864	179,379	1,050,658	4,606,369	0	9,081	24,216	44,845	215,132	293,274
Main Taxiway	T/way A2 - A11 (A - ANZ)	Taxiway	6,300	1984	1984	1984	1984	1984		220,769	89,159	118,879	220,146	264,176	913,129	220,769	72,070	73,309	135,757	21,134	523,039	0	743	1,981	3,669	10,567	16,960
	T/way A2 - A11 (A - ANZ)	Shoulder	3,300	1984	1984	1984	1984	1984		104,077	31,135	41,513	0	138,378	315,103	104,077	25,167	25,600	0	11,070	165,914	0	259	692	0	5,535	6,486
	T/way A11 - A3 (ANZ - B)	Taxiway	13,500	1977	1977	1977	1977	2006		473,076	191,056	254,741	471,742	566,091	1,956,705	473,075	143,292	127,370	235,871	528,352	1,507,960	0	1,592	4,246	7,862	37,739	51,440
	T/way A11 - A3 (ANZ - B)	Shoulder	7,100	1977	1977	1977	1977	2006		223,922	66,987	89,317	0	297,722	677,948	223,922	50,241	44,658	0	277,874	596,695	0	558	1,489	0	19,848	21,895
	T/way A3 - A4 (B - C)	Taxiway	8,300	1951	1951	1951	1984	2006		290,854	117,464	156,618	290,034	348,041	1,203,012	290,854	62,647	10,441	178,854	324,838	867,635	0	979	2,610	4,834	23,203	31,626
	T/way A3 - A4 (B - C)	Shoulder	3,600	1951	1951	1951	1984	2006		113,538	33,965	45,287	0	150,958	343,748	113,538	18,115	3,019	0	140,894	275,566	0	283	755	0	10,064	11,102
	T/way A4 - R/way 11-29 (C - Subsidary R/way)	Taxiway	40,000	1967	1967	1967	1967	2007		1,401,705	566,091	754,788	1,397,755	1,677,306	5,797,646	1,401,705	377,394	251,596	465,918	1,677,306	4,173,919	0	4,717	12,580	23,296	111,820	152,414
	T/way A4 - R/way 11-29 (C -Subsidary R/way)	Shoulder	6,400	1967	1967	1973	1973	2007		201,846	60,383	80,511	0	268,369	611,108	201,845	40,255	34,888	0	268,369	545,358	0	503	1,342	0	17,891	19,736
	R/way 11-29 - T/way A6 (C - Subsidary R/way)	Taxiway	16,900	1958	1958	1958	1958	2005		592,221	239,173	318,898	590,552	708,662	2,449,505	592,220	141,511	58,465	108,268	354,331	1,254,795	0	1,993	5,315	9,843	177,165	194,316
	R/way 11-29 - T/way A6 (C - Subsidary R/way)	Shoulder	8,700	1958	1958	1973	1973	2005		274,384	82,083	109,444	0	364,814	830,725	274,384	48,566	47,426	0	182,407	552,782	0	684	1,824	0	91,204	93,712
	T/way A6 - A7 (E - F)	Taxiway	9,300	1973	1973	1973	1973	1994		325,896	131,616	175,488	324,978	389,974	1,347,953	325,896	94,325	76,045	140,824	27,855	664,945	0	1,097	2,925	5,416	27,855	37,293
	T/way A6 - A7 (E - F)	Shoulder	5,200	1973	1973	1973	1973	1994		164,000	49,061	65,415	181,708	218,050	678,234	163,999	35,161	28,346	78,740	15,575	321,822	0	409	1,090	3,028	15,575	20,103
		Subtotal	128,600							4,386,286	1,658,175	2,210,900	3,476,916	5,392,540	17,124,817	4,386,284	1,108,744	781,164	1,344,233	3,830,005	11,450,430	0	13,818	36,848	57,949	548,467	657,082
Taxiways	A2	Taxiway	8,400	1984	1984	1984	1984	1984		294,358	118,879	158,505	293,529	352,234	1,217,506	294,358	96,094	97,745	181,009	28,179	697,385	0	991	2,642	4,892	14,089	22,614
	A2	Shoulder	4,900	1984	1984	1984	1984	1984		154,538	46,231	61,641	0	205,470	467,880	154,538	37,370	38,012	0	16,438	246,357	0	385	1,027	0	8,219	9,631
	A3	Taxiway	9,000	1951	1951	1951	1984	1984		315,384	127,370	169,827	314,495	377,394	1,304,470	315,384	67,931	11,322	193,939	30,192	618,766	0	1,061	2,830	5,242	15,096	24,229
	A3	Shoulder	3,700	1951	1951	1951	1984	1984		116,692	34,909	46,545	0	155,151	353,297	116,692	18,618	3,103	0	12,412	150,825	0	291	776	0	6,206	7,273
	A4	Taxiway	9,700	1951	1951	1951	1977	2002		339,914	137,277	183,036	338,956	406,747	1,405,929	339,913	73,214	12,202	169,478	279,638	874,446	0	1,144	3,051	5,649	25,422	35,266
	A4	Shoulder	4,300	1951	1951	1951	1977	2002		135,615	40,570	54,093	0	180,310	410,588	135,615	21,637	3,606	0	123,963	284,822	0	338	902	0	11,269	12,509
	A5	Taxiway	4,700	1951	1951	1951	1988	1988		164,700	66,516	88,688	164,236	197,084	681,223	164,700	35,475	5,913	112,228	18,770	337,086	0	554	1,478	2,737	9,385	14,155
	A6	Taxiway	9600	1951	1951	1951	1951	1996		336,409	135,862	181,149	335,461	402,554	1,391,435	336,409	72,460	12,077	22,364	33,546	476,856	0	1,132	3,019	5,591	33,546	43,288
	A6	Shoulder	4,000	1958	1958	1958	1958	1996		126,153	37,739	50,319	0	167,731	381,943	126,153	22,329	9,225	0	13,978	171,685	0	314	839	0	13,978	15,131
	A7	Taxiway	9,000	1958	1958	1958	1958	1994		315,384	127,370	169,827	314,495	377,394	1,304,470	315,384	75,361	31,135	57,657	26,957	506,494	0	1,061	2,830	5,242	26,957	36,090
	A7	Shoulder	3,700	1973	1973	1973	1973	1994		116,692	34,909	46,545	0	155,151	353,297	116,692	25,018	20,170	0	11,082	172,962	0	291	776	0	11,082	12,149
	Engine Runup Pad A320	Concrete Pad	316	2005	2005	2005	2005	2005		11,086	3,980	0	0	139,284	154,350	11,086	3,913	0	0	120,713	135,712	0	33	0	0	9,286	9,319
	A11 (Air NZ Taxiway)	Apron Taxiway	13,300	1958	1958	1958	1977	2006		466,067	167,311	223,082	464,754	557,704	1,878,918	466,067	98,993	40,898	232,377	520,524	1,358,859	0	1,394	3,718	7,746	37,180	50,038
	A11 (Air NZ Taxiway)	Shoulder	2,700	1977	1977	1977	1977	2006		85,154	25,474	33,965	94,348	113,218	352,160	85,154	19,106	16,983	47,174	105,670	274,086	0	212	566	1,572	7,548	9,899
	A12 (Maintanance Taxiway North)	Apron Taxiway	7,000	1996	1996	1996	1996	1996		245,298	88,059	117,411	244,607	293,529	988,904	245,298	79,987	95,886	199,763	123,591	744,525	0	734	1,957	4,077	15,449	22,216
	A12 (Maintanance Taxiway North)	Shoulder	3,800	1996	1996	1996	1996	1996		119,846	35,852	47,803	132,787	159,344	495,632	119,846	32,566	39,039	108,443	67,092	366,986	0	299	797	2,213	8,387	11,695
	A13 (Maintanance Taxiway South)	Apron Taxiway	2700	1996	1996	1996	1984	2006		94,615	33,965	45,287	0	113,218	287,086	94,615	30,852	36,985	0	105,670	268,122	0	283	755	0	7,548	8,586
	A15	Taxiway	27,400	1973	1973	1973	1981	2005		960,168	387,772	517,030	957,462	1,148,955	3,971,387	960,168	277,903	224,046	542,562	1,005,336	3,010,015	0	3,231	8,617	15,958	71,810	99,616
	F & F1	Taxiway	32,900	1951	1951	1951	1951	1995		1,152,903	465,610	620,813	1,149,654	1,379,585	4,768,564	1,152,902	248,325	41,388	76,644	197,084	1,716,342	0	3,880	10,347	19,161	98,542	131,930
	E & E1	Taxiway	21,000	1981	1981	1981	1986	1986		735,895	297,198	396,264	733,822	880,586	3,043,764	735,895	232,805	224,549	476,984	195,686	1,865,919	0	2,477	6,604	12,230	32,614	53,926
		Subtotal	182,116							6,286,871	2,412,854	3,211,832	5,538,606	7,762,642	25,212,804	6,286,868	1,569,957	964,283	2,420,621	3,036,520	14,278,249	0	20,107	53,531	92,310	463,611	629,559
Passenger Aprons	International Gates 12,24-35	International	16,807	1951	1951	1951	1951	1998		588,944	237,850	317,134	587,285	704,742	2,435,955	588,944	126,854	21,142	39,152	281,897	1,057,989	0	1,982	5,286	9,788	46,983	64,039
	International Gates 12,24-36 (Reseal)	International	32,093	1951	1951	2006	2006	2006		1,124,640	454,196	605,594	1,121,471	1,345,765	4,651,667	1,124,640	242,238	595,501	1,102,780	1,256,048	4,321,206	0	3,785	10,093	18,691	89,718	122,287
	International Gates 12,24-35	Concrete Pad	4,500	1951	1951	1951	1951	1998		157,692	56,609	0	0	1,981,318	2,195,619	157,692	30,192	0	0	792,527	980,411	0	472	0	0	132,088	132,560
	International Gate 25	ICBP	500	1951	1951	1951	1951	2004		17,521	7,076	9,435	0	97,843	131,875	17,521	3,774	629	0	78,274	100,199	0	59	157	0	6,523	6,739
	Domestic Gates 1-11	Domestic	31,750	1951	1951	1951	1951	1989		1,112,604	449,335	599,113	1,109,468	1,331,362	4,601,881	1,112,603	239,645	39,941	73,965	177,515	1,643,668	0	3,744	9,985	18,491	88,757	120,978
	Domestic Gates 1-11	Concrete Pad	350	1951	1951	1951	1951	1989		12,265	4,403	0	0	154,103	170,770	12,265	2,348	0	0	20,547	35,160	0	37	0	0	10,274	10,310
		Subtotal	86,000							3,013,666	1,209,469	1,531,276	2,818,224	5,615,133	14,187,768	3,013,665	645,050	657,213	1,215,897	2,606,808	8,138,633	0	10,079	25,521	46,970	374,342	456,913
Other Aprons	Antartic Apron (Deep Freeze)	Domestic	50,600	1965	1965	1965	1965	1989		1,773,157	716,105	954,807	1,768,161	2,121,793	7,334,022	1,773,156	465,468	286,442	530,448	303,113	3,358,628	0	5,968	15,913	29,469	101,038	152,388
	NZ Post Apron	Domestic	10,900	1959	1959	1959	1959	1997		381,965	68,560	91,413	380,888	457,066	1,379,892	381,965	41,136	18,283	76,178	105,477	623,038	0	571	1,524	6,348	35,159	43,602
	NZ Post Apron Extension	Domestic	12,500	2006	2006	2006	2006	2006		438,033	78,624	104,832	436,799	524,158	1,582,445	438,033	77,969	103,084	429,519	489,214	1,537,819	0	655	1,747	7,280	34,944	44,626
	Parceline Apron	International	10,500	1996	1996	1996	1996	1996		367,948	132,088	176,117	366,911	440,293	1,483,356	367,948	119,980	143,829	299,644	117,411	1,048,812	0	1,101	2,935	6,115	29,353	39,504
	Equipment & Freight Can Storage Area	Apron	2,100	1998	1998	1998	1998	1998		73,590	19,813	26,418	0	70,447	190,267	73,590	18,327	22,455	0	28,179	142,550	0	165	440	0	4,696	5,302
	Air Ambulance Parking Apron	Apron	4,100	1963	1963	1963	1963	1991		143,675	0	51,577	143,270	171,924	510,446	143,675	0	13,754	38,205	22,923	218,557	0	0	860	2,388	11,462	14,709
	Aeroclub Apron and Taxiways E12-E14	Apron Taxiway	10,700	1996	1996	1996	1996	1996		299,965	100,953	134,604	373,900	448,679	1,358,101	299,965	91,699	109,926	305,351	158,357	965,299	0	841	2,243	6,232	26,393	35,709
		Subtotal	101,400							3,478,332	1,116,143	1,539,767	3,469,928	4,234,360	13,838,529	3,478,331	814,579	697,773	1,679,345	1,224,675	7,894,703	0	9,301	25,663	57,832	243,044	335,841
Fire Service	Fire Rescue Apron	Apron	5,100	1982	1982	1982	1982	1999		178,717	64,157	85,543	178,214	213,857	720,487	178,717	50,791	49,900	103,958	106,928	490,295	0	535	1,426	2,970	13,366	18,297
Road	4 meter Wide Road	Perimeter Road	44,000	1980	1980	1980	1980	1980		925,126	276,756	738,015	0	307,506	2,247,402	925,125	214,486	405,908	0	41,001	1,586,520	0	2,306	12,300	0	20,500	35,107
Grassed Area			794,000											11,129,540	11,129,540					11,129,540	11,129,540						
		TOTAL	821,116							27,715,091	10,402,048	14,203,326	24,546,331	47,734,375	124,601,170	27,715,077	6,584,251	4,603,070	8,487,952	29,629,954	77,020,304	0	86,684	236,722	409,106	2,631,842	3,364,354

APPENDIX B

Infrastructure Asset Schedules

APPENDIX C

Allowance for Other Costs

Adjustment Factor for Professional Fees and Financial Charges

(multiplier applied to the construction cost to account for the cost and timing of professional fees, fixed costs such as site establishment /preliminaries & general, and financial charges.)

Resourse Consent - original consruction		2.0%
Investigations	-	3%
Design		3%
Construction Supervision		4%
Site Establishment/Preliminaries & General		10.0%
Finance Rate (%/yr) - original non-depreciable assets		8.2%
Finance Rate (%/yr) - renewable assets	(as % of construction cost)	7.2%
Airside Factor		15.0%

Asset	Activity	3 -2.5	2 -1.5	1 -0.5	0	Adjustment Factor
Pavements Utilities (landside)	Resourse Consent					
	Investigations			3%		
	Design			3%		
	Constrn Supervision			4%		
	Site Est/Prelim & Gen			10%		
	Construction			100%		
	Total			120%		**1.25**
Original Earthworks	Resourse Consent	2%				
	Investigations	3%				
	Design	2%	1%			
	Constrn Supervision	1%	3%			
	Site Est/Prelim & Gen	3%	7%			
	Construction	20%	80%			
	Total	31%	91%	0%		**1.40**
Pavements Utilities (airside)	Resourse Consent					
	Investigations			3%		
	Design			3%		
	Constrn Supervision			4%		
	Site Est/Prelim & Gen			10%		
	Airside costs			15%		
	Construction			100%		
	Total			135%		**1.40**

VALUATION OF ARTESIAN WATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
AP001	Pipes	51.3	150	1998	9	$140	0%	60	51	$7,182	$8,946	$7,604	$127
AP002	Pipes	162.4	200	2006	1	$400	0%	60	59	$64,960	$80,911	$79,563	$1,326
AP003	Pipes	113.1	150	1998	9	$140	0%	60	51	$15,834	$19,722	$16,764	$279
AP004	Pipes	63.1	200	1998	9	$400	0%	60	51	$25,240	$31,438	$26,722	$445
AP005	Pipes	101.9	200	1998	9	$400	0%	60	51	$40,760	$50,769	$43,154	$719
AP006	Pipes	133.9	200	1998	9	$400	0%	60	51	$53,560	$66,712	$56,705	$945
AP007	Pipes	322	200	1998	9	$400	0%	60	51	$128,800	$160,428	$136,363	$2,273
AP008	Pipes	322	200	1998	9	$400	0%	60	51	$128,800	$160,428	$136,363	$2,273
AP009	Pipes	130	400	1998	9	$860	0%	60	51	$111,800	$139,253	$118,365	$1,973
SH001	Soakpit	34.5		1997	10	$280,000	0%	60	50	$280,000	$348,755	$290,630	$4,844
AW001	Air Conditioning Well No.1		250	1997	10	$48,000	0%	60	50	$48,000	$59,787	$49,822	$830
AW002	Air Conditioning Well No.2		250	1997	10	$48,000	0%	60	50	$48,000	$59,787	$49,822	$830
AW003	Air Conditioning Well No.3		250	1997	10	$48,000	0%	60	50	$48,000	$59,787	$49,822	$830
AW004	Air Conditioning Well No.4		250	1997	10	$48,000	0%	60	50	$48,000	$59,787	$49,822	$830
AW005	Air Conditioning Well No.5		250	1997	10	$48,000	0%	60	50	$48,000	$59,787	$49,822	$830
											$1,366,294	$1,161,344	$19,356

VALUATION OF DUCTS & FIBRE OPTICS ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
D0001	Duct	91.8	100	1985	22	$30	0%	45	23	$2,754	$3,430	$1,753	$39
D0002	Duct	120.8	100	1985	22	$30	0%	45	23	$3,624	$4,514	$2,307	$51
D0003	Duct	29.5	50	1985	22	$20	0%	45	23	$590	$735	$376	$8
D0004	Duct	22.2	50	1985	22	$20	0%	45	23	$444	$553	$283	$6
D0005	Duct	352.8	100	1985	22	$30	0%	45	23	$10,584	$13,183	$6,738	$150
D0006	Duct	107.7	100	1985	22	$30	0%	45	23	$3,231	$4,024	$2,057	$46
D0007	Duct	47.4	100	1985	22	$30	0%	45	23	$1,422	$1,771	$905	$20
D0008	Duct	10.8	100	1985	22	$30	0%	45	23	$324	$404	$206	$5
D0009	Duct	115.6	100	1985	22	$30	0%	45	23	$3,468	$4,320	$2,208	$49
D0010	Duct	124.5	100	1985	22	$30	0%	45	23	$3,735	$4,652	$2,378	$53
D0011	Duct	21.3	100	1985	22	$30	0%	45	23	$639	$796	$407	$9
D0012	Duct	287.4	100	1985	22	$30	0%	45	23	$8,622	$10,739	$5,489	$122
D0013	Duct	16	100	1985	22	$30	0%	45	23	$480	$598	$306	$7
D0014	Duct	72.6	100	1985	22	$30	0%	45	23	$2,178	$2,713	$1,387	$31
D0015	Duct	1385.4	100	1985	22	$30	0%	45	23	$41,562	$51,768	$26,459	$588
D0016	Duct	163.2	100	1985	22	$30	0%	45	23	$4,896	$6,098	$3,117	$69
D0017	Duct	210.2	100	1985	22	$30	0%	45	23	$6,306	$7,854	$4,015	$89
D0018	Duct	440.6	100	1985	22	$30	0%	45	23	$13,218	$16,464	$8,415	$187
D0019	Duct	401.4	100	1985	22	$30	0%	45	23	$12,042	$14,999	$7,666	$170
D0020	Duct	473.4	100	1985	22	$30	0%	45	23	$14,202	$17,689	$9,041	$201
D0021	Duct	144.4	100	1985	22	$30	0%	45	23	$4,332	$5,396	$2,758	$61
D0022	Duct	187.4	100	1985	22	$30	0%	45	23	$5,622	$7,003	$3,579	$80
D0023	Duct	55.2	50	1985	22	$20	0%	45	23	$1,104	$1,375	$703	$16
D0024	Duct	13.7	50	1985	22	$20	0%	45	23	$274	$341	$174	$4
D0025	Duct	18.1	50	1985	22	$20	0%	45	23	$362	$451	$230	$5
D0026	Duct	112.6	100	1985	22	$30	0%	45	23	$3,378	$4,207	$2,150	$48
D0027	Duct	198.7	25	1985	22	$20	0%	45	23	$3,974	$4,950	$2,530	$56
D0028	Duct	137.4	Service Tre	1985	22	$30	0%	45	23	$4,122	$5,134	$2,624	$58
D0029	Duct	41.7	100	1985	22	$30	0%	45	23	$1,251	$1,558	$796	$18
D0030	Duct	53.5	32	1985	22	$20	0%	45	23	$1,070	$1,333	$681	$15
D0031	Duct	519.3	32	1985	22	$20	0%	45	23	$10,386	$12,936	$6,612	$147
D0032	Duct	179.2	100	1985	22	$30	0%	45	23	$5,376	$6,696	$3,422	$76
D0033	Duct	201.5	100	1985	22	$30	0%	45	23	$6,045	$7,529	$3,848	$86
D0034	Duct	95.1	100	1985	22	$30	0%	45	23	$2,853	$3,554	$1,816	$40
D0035	Duct	9.9	50	1985	22	$20	0%	45	23	$198	$247	$126	$3
D0036	Duct	92.3	250	1985	22	$40	0%	45	23	$3,692	$4,599	$2,350	$52
D0037	Duct	105.2	100	1985	22	$30	0%	45	23	$3,156	$3,931	$2,009	$45
D0038	Duct	30.4	50	1985	22	$20	0%	45	23	$608	$757	$387	$9
D0039	Duct	106.6	100	1985	22	$30	0%	45	23	$3,198	$3,983	$2,036	$45
D0040	Duct	47.9	100	1985	22	$30	0%	45	23	$1,437	$1,790	$915	$20
D0041	Duct	19.8	100	1985	22	$30	0%	45	23	$594	$740	$378	$8
D0042	Duct	50.8	100	1985	22	$30	0%	45	23	$1,524	$1,898	$970	$22
D0043	Duct	48.5	100	1985	22	$30	0%	45	23	$1,455	$1,812	$926	$21
D0044	Duct	25.6	100	1985	22	$30	0%	45	23	$768	$957	$489	$11
D0045	Duct	39.4	100	1985	22	$30	0%	45	23	$1,182	$1,472	$752	$17
D0046	Duct	21.8	50	1985	22	$20	0%	45	23	$436	$543	$278	$6
D0047	Duct	43.2	100	1985	22	$30	0%	45	23	$1,296	$1,614	$825	$18
D0048	Duct	11.1	100	1985	22	$30	0%	45	23	$333	$415	$212	$5
D0049	Duct	235.4	100	1985	22	$30	0%	45	23	$7,062	$8,796	$4,496	$100
D0050	Duct	239.9	100	1985	22	$30	0%	45	23	$7,197	$8,964	$4,582	$102

VALUATION OF DUCTS & FIBRE OPTICS ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
D0051	Duct	205.2	100	1985	22	$30	0%	45	23	$6,156	$7,668	$3,919	$87
D0052	Duct	12.2	100	1985	22	$30	0%	45	23	$366	$456	$233	$5
D0053	Duct	473	100	1985	22	$30	0%	45	23	$14,190	$17,674	$9,034	$201
D0054	Duct	12.5	100	1985	22	$30	0%	45	23	$375	$467	$239	$5
D0055	Duct	18.7	100	1985	22	$30	0%	45	23	$561	$699	$357	$8
D0056	Duct	472.8	100	1985	22	$30	0%	45	23	$14,184	$17,667	$9,030	$201
D0057	Duct	180.4	100	1985	22	$30	0%	45	23	$5,412	$6,741	$3,445	$77
D0058	Duct	80.7	100	1985	22	$30	0%	45	23	$2,421	$3,015	$1,541	$34
D0059	Duct	41.9	50	1985	22	$20	0%	45	23	$838	$1,044	$533	$12
D0060	Duct	82	100	1985	22	$30	0%	45	23	$2,460	$3,064	$1,566	$35
D0061	Duct	129.6	100	1985	22	$30	0%	45	23	$3,888	$4,843	$2,475	$55
D0062	Duct	163.6	100	1985	22	$30	0%	45	23	$4,908	$6,113	$3,125	$69
D0063	Duct	81.8	50	1985	22	$20	0%	45	23	$1,636	$2,038	$1,042	$23
D0064	Duct	24	100	1985	22	$30	0%	45	23	$720	$897	$458	$10
D0065	Duct	3	100	1985	22	$30	0%	45	23	$90	$112	$57	$1
D0066	Duct	279.6	50	1985	22	$20	0%	45	23	$5,592	$6,965	$3,560	$79
D0067	Duct	559.2	100	1985	22	$30	0%	45	23	$16,776	$20,895	$10,680	$237
D0068	Duct	72.2	250	1985	22	$40	0%	45	23	$2,888	$3,597	$1,839	$41
D0069	Duct	855.8	100	1985	22	$30	0%	45	23	$25,674	$31,978	$16,345	$363
D0070	Duct	596.4	100	1985	22	$30	0%	45	23	$17,892	$22,285	$11,390	$253
D0071	Duct	17.6	100	1985	22	$30	0%	45	23	$528	$658	$336	$7
D0072	Duct	199.6	100	1985	22	$30	0%	45	23	$5,988	$7,458	$3,812	$85
D0073	Duct	358.4	100	1985	22	$30	0%	45	23	$10,752	$13,392	$6,845	$152
D0074	Duct	456.4	100	1985	22	$30	0%	45	23	$13,692	$17,054	$8,717	$194
D0075	Duct	176	100	1985	22	$30	0%	45	23	$5,280	$6,577	$3,361	$75
D0076	Duct	169.6	100	1985	22	$30	0%	45	23	$5,088	$6,337	$3,239	$72
D0077	Duct	1704	100	1985	22	$30	0%	45	23	$51,120	$63,673	$32,544	$723
D0078	Duct	821.2	100	1985	22	$30	0%	45	23	$24,636	$30,686	$15,684	$349
D0079	Duct	120.6	100	1985	22	$30	0%	45	23	$3,618	$4,506	$2,303	$51
D0080	Duct	519.7	100	1985	22	$30	0%	45	23	$15,591	$19,419	$9,925	$221
D0081	Duct	11.5	100	1985	22	$30	0%	45	23	$345	$430	$220	$5
D0082	Duct	15	50	1985	22	$20	0%	45	23	$300	$374	$191	$4
D0083	Duct	25.4	100	1985	22	$30	0%	45	23	$762	$949	$485	$11
D0084	Duct	74	100	1985	22	$30	0%	45	23	$2,220	$2,765	$1,413	$31
D0085	Duct	15.5	50	1985	22	$20	0%	45	23	$310	$386	$197	$4
D0086	Duct	9.7	100	1985	22	$30	0%	45	23	$291	$362	$185	$4
D0087	Duct	6.2	100	1985	22	$30	0%	45	23	$186	$232	$118	$3
D0088	Duct	10.7	100	1985	22	$30	0%	45	23	$321	$400	$204	$5
D0089	Duct	42.9	100	1985	22	$30	0%	45	23	$1,287	$1,603	$819	$18
D0090	Duct	46.3	100	1985	22	$30	0%	45	23	$1,389	$1,730	$884	$20
D0091	Duct	18.3	100	1985	22	$30	0%	45	23	$549	$684	$350	$8
D0092	Duct	6.9	50	1985	22	$20	0%	45	23	$138	$172	$88	$2
D0093	Duct	48	50	1985	22	$20	0%	45	23	$960	$1,196	$611	$14
D0094	Duct	146.2	100	1985	22	$30	0%	45	23	$4,386	$5,463	$2,792	$62
D0095	Duct	28.8	100	1985	22	$30	0%	45	23	$864	$1,076	$550	$12
D0097	Duct	329	100	1985	22	$30	0%	45	23	$9,870	$12,294	$6,283	$140
D0098	Duct	47	50	1985	22	$20	0%	45	23	$940	$1,171	$598	$13
D0099	Duct	21	75	1985	22	$28	0%	45	23	$588	$732	$374	$8
D0100	Duct	33.3	100	1985	22	$30	0%	45	23	$999	$1,244	$636	$14

VALUATION OF DUCTS & FIBRE OPTICS ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
D0051	Duct	205.2	100	1985	22	$30	0%	45	23	$6,156	$7,668	$3,919	$87
D0052	Duct	12.2	100	1985	22	$30	0%	45	23	$366	$456	$233	$5
D0053	Duct	473	100	1985	22	$30	0%	45	23	$14,190	$17,674	$9,034	$201
D0054	Duct	12.5	100	1985	22	$30	0%	45	23	$375	$467	$239	$5
D0055	Duct	18.7	100	1985	22	$30	0%	45	23	$561	$699	$357	$8
D0056	Duct	472.8	100	1985	22	$30	0%	45	23	$14,184	$17,667	$9,030	$201
D0057	Duct	180.4	100	1985	22	$30	0%	45	23	$5,412	$6,741	$3,445	$77
D0058	Duct	80.7	100	1985	22	$30	0%	45	23	$2,421	$3,015	$1,541	$34
D0059	Duct	41.9	50	1985	22	$20	0%	45	23	$838	$1,044	$533	$12
D0060	Duct	82	100	1985	22	$30	0%	45	23	$2,460	$3,064	$1,566	$35
D0061	Duct	129.6	100	1985	22	$30	0%	45	23	$3,888	$4,843	$2,475	$55
D0062	Duct	163.6	100	1985	22	$30	0%	45	23	$4,908	$6,113	$3,125	$69
D0063	Duct	81.8	50	1985	22	$20	0%	45	23	$1,636	$2,038	$1,042	$23
D0064	Duct	24	100	1985	22	$30	0%	45	23	$720	$897	$458	$10
D0065	Duct	3	100	1985	22	$30	0%	45	23	$90	$112	$57	$1
D0066	Duct	279.6	50	1985	22	$20	0%	45	23	$5,592	$6,965	$3,560	$79
D0067	Duct	559.2	100	1985	22	$30	0%	45	23	$16,776	$20,895	$10,680	$237
D0068	Duct	72.2	250	1985	22	$40	0%	45	23	$2,888	$3,597	$1,839	$41
D0069	Duct	855.8	100	1985	22	$30	0%	45	23	$25,674	$31,978	$16,345	$363
D0070	Duct	596.4	100	1985	22	$30	0%	45	23	$17,892	$22,285	$11,390	$253
D0071	Duct	17.6	100	1985	22	$30	0%	45	23	$528	$658	$336	$7
D0072	Duct	199.6	100	1985	22	$30	0%	45	23	$5,988	$7,458	$3,812	$85
D0073	Duct	358.4	100	1985	22	$30	0%	45	23	$10,752	$13,392	$6,845	$152
D0074	Duct	456.4	100	1985	22	$30	0%	45	23	$13,692	$17,054	$8,717	$194
D0075	Duct	176	100	1985	22	$30	0%	45	23	$5,280	$6,577	$3,361	$75
D0076	Duct	169.6	100	1985	22	$30	0%	45	23	$5,088	$6,337	$3,239	$72
D0077	Duct	1704	100	1985	22	$30	0%	45	23	$51,120	$63,673	$32,544	$723
D0078	Duct	821.2	100	1985	22	$30	0%	45	23	$24,636	$30,686	$15,684	$349
D0079	Duct	120.6	100	1985	22	$30	0%	45	23	$3,618	$4,506	$2,303	$51
D0080	Duct	519.7	100	1985	22	$30	0%	45	23	$15,591	$19,419	$9,925	$221
D0081	Duct	11.5	100	1985	22	$30	0%	45	23	$345	$430	$220	$5
D0082	Duct	15	50	1985	22	$20	0%	45	23	$300	$374	$191	$4
D0083	Duct	25.4	100	1985	22	$30	0%	45	23	$762	$949	$485	$11
D0084	Duct	74	100	1985	22	$30	0%	45	23	$2,220	$2,765	$1,413	$31
D0085	Duct	15.5	50	1985	22	$20	0%	45	23	$310	$386	$197	$4
D0086	Duct	9.7	100	1985	22	$30	0%	45	23	$291	$362	$185	$4
D0087	Duct	6.2	100	1985	22	$30	0%	45	23	$186	$232	$118	$3
D0088	Duct	10.7	100	1985	22	$30	0%	45	23	$321	$400	$204	$5
D0089	Duct	42.9	100	1985	22	$30	0%	45	23	$1,287	$1,603	$819	$18
D0090	Duct	46.3	100	1985	22	$30	0%	45	23	$1,389	$1,730	$884	$20
D0091	Duct	18.3	100	1985	22	$30	0%	45	23	$549	$684	$350	$8
D0092	Duct	6.9	50	1985	22	$20	0%	45	23	$138	$172	$88	$2
D0093	Duct	48	50	1985	22	$20	0%	45	23	$960	$1,196	$611	$14
D0094	Duct	146.2	100	1985	22	$30	0%	45	23	$4,386	$5,463	$2,792	$62
D0095	Duct	28.8	100	1985	22	$30	0%	45	23	$864	$1,076	$550	$12
D0097	Duct	329	100	1985	22	$30	0%	45	23	$9,870	$12,294	$6,283	$140
D0098	Duct	47	50	1985	22	$20	0%	45	23	$940	$1,171	$598	$13
D0099	Duct	21	75	1985	22	$28	0%	45	23	$588	$732	$374	$8
D0100	Duct	33.3	100	1985	22	$30	0%	45	23	$999	$1,244	$636	$14

VALUATION OF DUCTS & FIBRE OPTICS ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value	TUL (Years)	Remaining Useful Life	Replacement Cost ($)	Gross Replacement	Optimised Depreciated	Annual Depreciation ($)
D0101	Duct	284.3	100	1985	22	$30	0%	45	23	$8,529	$10,623	$5,430	$121
D0102	Duct	1363.2	100	1985	22	$30	0%	45	23	$40,896	$50,938	$26,035	$579
D0103	Duct	103	100	1985	22	$30	0%	45	23	$3,090	$3,849	$1,967	$44
D0104	Duct	20	150	1985	22	$32	0%	45	23	$640	$797	$407	$9
D0105	Duct	561	100	1985	22	$30	0%	45	23	$16,830	$20,963	$10,714	$238
D0106	Duct						0%						
D0107	Duct	47	100	1985	22	$30	0%	45	23	$1,410	$1,756	$898	$20
D0108	Duct	104.4	100	1985	22	$30	0%	45	23	$3,132	$3,901	$1,994	$44
D0109	Duct	125.7	100	1985	22	$30	0%	45	23	$3,771	$4,697	$2,401	$53
D0110	Duct	67.5	100	1985	22	$30	0%	45	23	$2,025	$2,522	$1,289	$29
D0111	Duct	160.8	100	1985	22	$30	0%	45	23	$4,824	$6,009	$3,071	$68
D0112	Duct	50.6	100	1985	22	$30	0%	45	23	$1,518	$1,891	$966	$21
D0113	Duct	95.6	100	1985	22	$30	0%	45	23	$2,868	$3,572	$1,826	$41
D0114	Duct	115.4	100	1985	22	$30	0%	45	23	$3,462	$4,312	$2,204	$49
D0115	Duct	44.3	100	1985	22	$30	0%	45	23	$1,329	$1,655	$846	$19
D0116	Duct	17.2	50	1985	22	$20	0%	45	23	$344	$428	$219	$5
D0117	Duct	26.3	100	1985	22	$30	0%	45	23	$789	$983	$502	$11
D0118	Duct	9.6	50	1985	22	$20	0%	45	23	$192	$239	$122	$3
D0119	Duct	222.4	100	1985	22	$30	0%	45	23	$6,672	$8,310	$4,248	$94
D0120	Duct	35.9	50	1985	22	$20	0%	45	23	$718	$894	$457	$10
D0121	Duct	8.9	50	1985	22	$20	0%	45	23	$178	$222	$113	$3
D0122	Duct	9.1	100	1985	22	$30	0%	45	23	$273	$340	$174	$4
D0123	Duct	66	100	1985	22	$30	0%	45	23	$1,980	$2,466	$1,261	$28
D0124	Duct	117	100	1985	22	$30	0%	45	23	$3,510	$4,372	$2,235	$50
D0125	Duct	41.4	100	1985	22	$30	0%	45	23	$1,242	$1,547	$791	$18
D0126	Duct	18.4	100	1985	22	$30	0%	45	23	$552	$688	$351	$8
D0127	Duct	15.5	100	1985	22	$30	0%	45	23	$465	$579	$296	$7
D0128	Duct	145.5	100	1985	22	$30	0%	45	23	$4,365	$5,437	$2,779	$62
D0129	Duct	44.3	100	1985	22	$30	0%	45	23	$1,329	$1,655	$846	$19
D0130	Duct	42.8	100	1985	22	$30	0%	45	23	$1,284	$1,599	$817	$18
D0131	Duct	74.2	100	1985	22	$30	0%	45	23	$2,226	$2,773	$1,417	$31
D0132	Duct	111	100	1985	22	$30	0%	45	23	$3,330	$4,148	$2,120	$47
D0133	Duct	583.8	100	1985	22	$30	0%	45	23	$17,514	$21,815	$11,150	$248
D0134	Duct	311.1	100	1985	22	$30	0%	45	23	$9,333	$11,625	$5,942	$132
D0135	Duct	10.7	75	1985	22	$28	0%	45	23	$300	$373	$191	$4
D0136	Duct	61.8	100	1985	22	$30	0%	45	23	$1,854	$2,309	$1,180	$26
D0137	Duct	170.4	100	1985	22	$30	0%	45	23	$5,112	$6,367	$3,254	$72
D0138	Duct	90.9	100	1985	22	$30	0%	45	23	$2,727	$3,397	$1,736	$39
D0139	Duct	49.2	100	1985	22	$30	0%	45	23	$1,476	$1,838	$940	$21
D0140	Duct	276	100	1985	22	$30	0%	45	23	$8,280	$10,313	$5,271	$117
D0141	Duct	84.3	100	1985	22	$30	0%	45	23	$2,529	$3,150	$1,610	$36
D0142	Duct	5.6	100	1985	22	$30	0%	45	23	$168	$209	$107	$2
D0144	Duct	9.9	50	1985	22	$20	0%	45	23	$198	$247	$126	$3
D0145	Duct	13.8	50	1985	22	$20	0%	45	23	$276	$344	$176	$4
D0146	Duct	17.3	50	1985	22	$20	0%	45	23	$346	$431	$220	$5
D0147	Duct	21	50	1985	22	$20	0%	45	23	$420	$523	$267	$6
D0148	Duct	39.4	100	1985	22	$30	0%	45	23	$1,182	$1,472	$752	$17
D0149	Duct	4.6	50	1985	22	$20	0%	45	23	$92	$115	$59	$1
D0150	Duct	25	100	1985	22	$30	0%	45	23	$750	$934	$477	$11

VALUATION OF DUCTS & FIBRE OPTICS ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
D0151	Duct						0%						
D0152	Duct	60	100	1985	22	$30	0%	45	23	$1,800	$2,242	$1,146	$25
D0153	Duct	168	100	1985	22	$30	0%	45	23	$5,040	$6,278	$3,209	$71
D0154	Duct	70.6	100	1985	22	$30	0%	45	23	$2,118	$2,638	$1,348	$30
D0155	Duct	254	100	1985	22	$30	0%	45	23	$7,620	$9,491	$4,851	$108
D0156	Duct	14.3	100	1985	22	$30	0%	45	23	$429	$534	$273	$6
D0157	Duct	33.1	50	1985	22	$20	0%	45	23	$662	$825	$421	$9
D0158	Duct	373.6	100	1985	22	$30	0%	45	23	$11,208	$13,960	$7,135	$159
D0159	Duct	55.4	100	1985	22	$30	0%	45	23	$1,662	$2,070	$1,058	$24
D0160	Duct	62.4	100	1985	22	$30	0%	45	23	$1,872	$2,332	$1,192	$26
D0161	Duct	184	100	1985	22	$30	0%	45	23	$5,520	$6,875	$3,514	$78
D0162	Duct	434.7	100	1985	22	$30	0%	45	23	$13,041	$16,243	$8,302	$184
D0163	Duct	372.9	100	1985	22	$30	0%	45	23	$11,187	$13,934	$7,122	$158
D0164	Duct	369.9	100	1985	22	$30	0%	45	23	$11,097	$13,822	$7,065	$157
D0165	Duct	153.4	50	1985	22	$20	0%	45	23	$3,068	$3,821	$1,953	$43
D0166	Duct	6.8	32	1985	22	$20	0%	45	23	$136	$169	$87	$2
D0167	Duct	24.8	50	1985	22	$20	0%	45	23	$496	$618	$316	$7
D0168	Duct	41.8	100	1985	22	$30	0%	45	23	$1,254	$1,562	$798	$18
D0169	Duct	29.1	100	1985	22	$30	0%	45	23	$873	$1,087	$556	$12
D0170	Duct	457.8	100	1985	22	$30	0%	45	23	$13,734	$17,106	$8,743	$194
D0171	Duct	20.2	50	1985	22	$20	0%	45	23	$404	$503	$257	$6
D0172	Duct	485.1	100	1985	22	$30	0%	45	23	$14,553	$18,127	$9,265	$206
D0173	Duct	202.5	100	1985	22	$30	0%	45	23	$6,075	$7,567	$3,867	$86
D0174	Duct	115.2	100	1985	22	$30	0%	45	23	$3,456	$4,305	$2,200	$49
D0175	Duct	45.2	100	1985	22	$30	0%	45	23	$1,356	$1,689	$863	$19
D0176	Duct	79.2	100	1985	22	$30	0%	45	23	$2,376	$2,959	$1,513	$34
D0177	Duct	31.6	100	1985	22	$30	0%	45	23	$948	$1,181	$604	$13
D0193	Duct	112.8	100	1985	22	$30	0%	45	23	$3,384	$4,215	$2,154	$48
D0194	Duct	49	100	1985	22	$30	0%	45	23	$1,470	$1,831	$936	$21
D0195	Duct	307.8	100	1985	22	$30	0%	45	23	$9,234	$11,501	$5,879	$131
D0196	Duct	9.2	100	1985	22	$30	0%	45	23	$276	$344	$176	$4
D0197	Duct	26.4	100	1985	22	$30	0%	45	23	$792	$986	$504	$11
D0198	Duct	63.2	100	1985	22	$30	0%	45	23	$1,896	$2,362	$1,207	$27
D0199	Duct	408.8	100	1985	22	$30	0%	45	23	$12,264	$15,275	$7,807	$173
D0200	Duct	9.1	50	1985	22	$20	0%	45	23	$182	$227	$116	$3
D0201	Duct	24.1	50	1985	22	$20	0%	45	23	$482	$600	$307	$7
D0202	Duct	3.5	50	1985	22	$20	0%	45	23	$70	$87	$45	$1
D0203	Duct	13.9	100	1985	22	$30	0%	45	23	$417	$519	$265	$6
D0204	Duct	14.4	100	1985	22	$30	0%	45	23	$432	$538	$275	$6
D0205	Duct	27.2	100	1985	22	$30	0%	45	23	$816	$1,016	$519	$12
D0206	Duct	6.4	100	1985	22	$30	0%	45	23	$192	$239	$122	$3
D0207	Duct	10	100	1985	22	$30	0%	45	23	$300	$374	$191	$4
D0208	Duct	9.9	100	1985	22	$30	0%	45	23	$297	$370	$189	$4
D0209	Duct	86.4	100	1985	22	$30	0%	45	23	$2,592	$3,228	$1,650	$37
D0210	Duct	58.8	100	1985	22	$30	0%	45	23	$1,764	$2,197	$1,123	$25

VALUATION OF DUCTS & FIBRE OPTICS ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value	TUL (Years)	Remaining Useful Life	Replacement Cost ($)	Gross Replacement	Optimised Depreciated	Annual Depreciation ($)
D0211	Duct	15.6	100	1985	22	$30	0%	45	23	$468	$583	$298	$7
D0212	Duct	26	100	1985	22	$30	0%	45	23	$780	$972	$497	$11
D0213	Duct	23.6	100	1985	22	$30	0%	45	23	$708	$882	$451	$10
D0215	Duct	104.4	100	1985	22	$30	0%	45	23	$3,132	$3,901	$1,994	$44
D0216	Duct	492.3	100	1985	22	$30	0%	45	23	$14,769	$18,396	$9,402	$209
D0217	Duct	4.8	100	1985	22	$30	0%	45	23	$144	$179	$92	$2
D0218	Duct	115.2	100	1985	22	$30	0%	45	23	$3,456	$4,305	$2,200	$49
D0219	Duct	129.6	100	1985	22	$30	0%	45	23	$3,888	$4,843	$2,475	$55
D0220	Duct	106.8	100	1985	22	$30	0%	45	23	$3,204	$3,991	$2,040	$45
D0221	Duct	166.4	100	1985	22	$30	0%	45	23	$4,992	$6,218	$3,178	$71
D0223	Duct	17.7	100	1985	22	$30	0%	45	23	$531	$661	$338	$8
D0224	Duct	55.6	Lapson Tub	1985	22	$30	0%	45	23	$1,668	$2,078	$1,062	$24
D0225	Duct	238.2	100	1985	22	$30	0%	45	23	$7,146	$8,901	$4,549	$101
D0226	Duct	271.8	100	1985	22	$30	0%	45	23	$8,154	$10,156	$5,191	$115
D0227	Duct	41.9	100	1985	22	$30	0%	45	23	$1,257	$1,566	$800	$18
D0228	Duct	97.6	100	1985	22	$30	0%	45	23	$2,928	$3,647	$1,864	$41
D0229	Duct	7	100	1985	22	$30	0%	45	23	$210	$262	$134	$3
D0230	Duct						0%						
D0231	Duct	389.1	100	1985	22	$30	0%	45	23	$11,673	$14,539	$7,431	$165
D0232	Duct	7.4	100	1985	22	$30	0%	45	23	$222	$277	$141	$3
D0233	Duct	182.3	100	1985	22	$30	0%	45	23	$5,469	$6,812	$3,482	$77
D0234	Duct	846	100	1985	22	$30	0%	45	23	$25,380	$31,612	$16,157	$359
D0235	Duct	98.1	100	1985	22	$30	0%	45	23	$2,943	$3,666	$1,874	$42
D0236	Duct	24.3	100	1985	22	$30	0%	45	23	$729	$908	$464	$10
D0237	Duct	12.1	50	1985	22	$20	0%	45	23	$242	$301	$154	$3
D0238	Duct	659.4	100	1985	22	$30	0%	45	23	$19,782	$24,640	$12,594	$280
D0239	Duct	91.2	100	1985	22	$30	0%	45	23	$2,736	$3,408	$1,742	$39
D0240	Duct	1.3	100	1985	22	$30	0%	45	23	$39	$49	$25	$1
D0241	Duct	28.5	100	1985	22	$30	0%	45	23	$855	$1,065	$544	$12
D0242	Duct	29.4	60	1985	22	$25	0%	45	23	$735	$915	$468	$10
D0243	Duct	375.3	100	1985	22	$30	0%	45	23	$11,259	$14,024	$7,168	$159
D0244	Duct	133.5	100	1985	22	$30	0%	45	23	$4,005	$4,988	$2,550	$57
D0245	Duct	107.1	100	1985	22	$30	0%	45	23	$3,213	$4,002	$2,045	$45
D0246	Duct	74.7	100	1985	22	$30	0%	45	23	$2,241	$2,791	$1,427	$32
D0247	Duct	600.9	100	1985	22	$30	0%	45	23	$18,027	$22,454	$11,476	$255
D0248	Duct	461.7	100	1985	22	$30	0%	45	23	$13,851	$17,252	$8,818	$196
D0249	Duct	45.9	100	1985	22	$30	0%	45	23	$1,377	$1,715	$877	$19
D0250	Duct	273.6	100	1985	22	$30	0%	45	23	$8,208	$10,224	$5,225	$116
D0251	Duct	262.2	100	1985	22	$30	0%	45	23	$7,866	$9,798	$5,008	$111
D0252	Duct	92.1	100	1985	22	$30	0%	45	23	$2,763	$3,441	$1,759	$39
D0258	Duct	47.5	100	1985	22	$30	0%	45	23	$1,425	$1,775	$907	$20
D0259	Duct	17.1	100	1985	22	$30	0%	45	23	$513	$639	$327	$7

VALUATION OF DUCTS & FIBRE OPTICS ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value	TUL (Years)	Remaining Useful Life	Replacement Cost ($)	Gross Replacement	Optimised Depreciated	Annual Depreciation ($)
MHT006	Manhole			1994	13	$2,500	0%	50	37	$2,500	$3,114	$2,304	$46
MHT008	Manhole			1994	13	$2,500	0%	50	37	$2,500	$3,114	$2,304	$46
CF001	Core Fibre			1996	11	$6,800	0%	16	5	$6,800	$8,470	$2,647	$165
CF003	Core Fibre			1994	13	$3,900	0%	16	3	$3,900	$4,858	$911	$57
CF004	Core Fibre			1994	13	$1,600	0%	16	3	$1,600	$1,993	$374	$23
CF005	Core Fibre			1994	13	$2,750	0%	16	3	$2,750	$3,425	$642	$40
CF006	Core Fibre			1994	13	$3,350	0%	16	3	$3,350	$4,173	$782	$49
CF007	Core Fibre			1994	13	$250	0%	16	3	$250	$311	$58	$4
CF008	Core Fibre			2001	6	$10,000	0%	16	10	$10,000	$12,456	$7,785	$487
PI004	Pipe	141	100	1996	11	$50	0%	50	39	$7,050	$8,781	$6,849	$137
PI005	Pipe	86.9	100	1994	13	$50	0%	50	37	$4,345	$5,412	$4,005	$80
PI006	Pipe	33.4	100	1994	13	$50	0%	50	37	$1,670	$2,080	$1,539	$31
PI007	Pipe	7.6	100	1994	13	$50	0%	50	37	$380	$473	$350	$7
PI008	Pipe	38.7	100	1994	13	$50	0%	50	37	$1,935	$2,410	$1,784	$36
PI009	Pipe	80.8	100	1994	13	$50	0%	50	37	$4,040	$5,032	$3,724	$74
PI010	Pipe	91.8	100	1994	13	$50	0%	50	37	$4,590	$5,717	$4,231	$85
PI011	Pipe	126.8	100	1994	13	$50	0%	50	37	$6,340	$7,897	$5,844	$117
PI012	Pipe	130.3	100	1994	13	$50	0%	50	37	$6,515	$8,115	$6,005	$120
PI013	Pipe	104.8	100	1994	13	$50	0%	50	37	$5,240	$6,527	$4,830	$97
PI014	Pipe	19.8	100	1994	13	$50	0%	50	37	$990	$1,233	$912	$18
PI015	Pipe	58.1	100	1994	13	$50	0%	50	37	$2,905	$3,618	$2,678	$54
PI016	Pipe	283.8	100	1994	13	$50	0%	50	37	$14,190	$17,674	$13,079	$262
PI017	Pipe	33.8	100	1994	13	$50	0%	50	37	$1,690	$2,105	$1,558	$31
PI020	Pipe	61.2	100	1994	13	$50	0%	50	37	$3,060	$3,811	$2,820	$56
PI021	Pipe	29.2	100	1994	13	$50	0%	50	37	$1,460	$1,819	$1,346	$27
PI022	Pipe	30.9	100	2001	6	$50	0%	50	44	$1,545	$1,924	$1,693	$34
PI023	Pipe	29.4	100	2001	6	$50	0%	50	44	$1,470	$1,831	$1,611	$32
											$1,541,972	$813,011	$18,388

VALUATION OF SEWER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL[1] (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
FP001	Pipe	90.1	305	1963	44	$475	0%	60	16	$42,798	$53,307	$14,215	$237
FP002	Pipe	90.1	305	1963	44	$475	0%	60	16	$42,798	$53,307	$14,215	$237
FP003	Pipe	90.1	305	1963	44	$475	0%	60	16	$42,798	$53,307	$14,215	$237
FP004	Pipe	90.1	305	1963	44	$475	0%	60	16	$42,798	$53,307	$14,215	$237
FP005	Pipe	90.1	305	1963	44	$475	0%	60	16	$42,798	$53,307	$14,215	$237
FP006	Pipe	88.5	305	1963	44	$475	0%	60	16	$42,038	$52,360	$13,963	$233
FP007	Pipe	92.5	305	1963	44	$475	0%	60	16	$43,938	$54,727	$14,594	$243
FP008	Pipe	90.5	305	1963	44	$475	0%	60	16	$42,988	$53,543	$14,278	$238
FP009	Pipe	90.5	305	1963	44	$475	0%	60	16	$42,988	$53,543	$14,278	$238
FP010	Pipe	92.8	305	1963	44	$475	0%	60	16	$44,080	$54,904	$14,641	$244
FP011	Pipe	90.6	305	1963	44	$475	0%	60	16	$43,035	$53,602	$14,294	$238
FP012	Pipe	90.6	305	1963	44	$475	0%	60	16	$43,035	$53,602	$14,294	$238
FP013	Pipe	82.9	305	1963	44	$475	0%	60	16	$39,378	$49,047	$13,079	$218
FP014	Pipe	72.1	305	1963	44	$475	0%	60	16	$34,248	$42,657	$11,375	$190
FP015	Pipe	7.9	305	1963	44	$475	0%	60	16	$3,753	$4,674	$1,246	$21
FP016	Pipe	84	305	1963	44	$475	0%	60	16	$39,900	$49,698	$13,253	$221
FP017	Pipe	95.4	305	1963	44	$475	0%	60	16	$45,315	$56,442	$15,051	$251
FP018	Pipe	93.1	305	1963	44	$475	0%	60	16	$44,223	$55,082	$14,688	$245
FP019	Pipe	92.2	305	1963	44	$475	0%	60	16	$43,795	$54,549	$14,546	$242
FP020	Pipe	93.6	305	1963	44	$475	0%	60	16	$44,460	$55,377	$14,767	$246
FP021	Pipe	89	305	1963	44	$475	0%	60	16	$42,275	$52,656	$14,042	$234
FP022	Pipe	76.9	150	2001	6	$240	0%	60	54	$18,456	$22,988	$20,689	$345
FP023	Pipe	88.2	150	1985	22	$240	0%	60	38	$21,168	$26,366	$16,698	$278
FP024	Pipe	40.6	150	1985	22	$240	0%	60	38	$9,744	$12,137	$7,687	$128
FP025	Pipe	31.4	150	1985	22	$240	0%	60	38	$7,536	$9,387	$5,945	$99
FP026	Pipe	43.5	80	1985	22	$185	0%	60	38	$8,048	$10,024	$6,348	$106
FP027	Pipe	58.5	150	1985	22	$240	0%	60	38	$14,040	$17,488	$11,075	$185
FP028	Pipe	27.6	150	1985	22	$240	0%	60	38	$6,624	$8,251	$5,225	$87
FP029	Pipe	53.5	150	1985	22	$240	0%	60	38	$12,840	$15,993	$10,129	$169
FP030	Pipe	53.6	150	1985	22	$240	0%	60	38	$12,864	$16,023	$10,148	$169
FP031	Pipe	54.4	150	1985	22	$240	0%	60	38	$13,056	$16,262	$10,299	$172
FP032	Pipe	72.3	150	1995	12	$240	0%	60	48	$17,352	$21,613	$17,290	$288
FP033	Pipe	74.8	150	1995	12	$240	0%	60	48	$17,952	$22,360	$17,888	$298
FP034	Pipe	68.7	150	1995	12	$240	0%	60	48	$16,488	$20,537	$16,429	$274
FP035	Pipe	61.8	150	1995	12	$240	0%	60	48	$14,832	$18,474	$14,779	$246
FP036	Pipe	59.8	150	1995	12	$240	0%	60	48	$14,352	$17,876	$14,301	$238
FP037	Pipe	72.6	150	2002	5	$240	0%	60	55	$17,424	$21,703	$19,894	$332
FP038	Pipe	41.5	150	2002	5	$240	0%	60	55	$9,960	$12,406	$11,372	$190
FP039	Pipe	81.6	150	2001	6	$240	0%	60	54	$19,584	$24,393	$21,954	$366
FP040	Pipe	58.1	150	2001	6	$240	0%	60	54	$13,944	$17,368	$15,631	$261
FP041	Pipe	18.8	250	1990	17	$390	0%	60	43	$7,332	$9,132	$6,545	$109
FP042	Pipe	82.3	150	1975	32	$240	0%	60	28	$19,752	$24,602	$11,481	$191
FP043	Pipe	22.9	250	1990	17	$390	0%	60	43	$8,931	$11,124	$7,972	$133
FP044	Pipe	78.3	250	1990	17	$390	0%	60	43	$30,537	$38,036	$27,259	$454
FP045	Pipe	45.4	250	1990	17	$390	0%	60	43	$17,706	$22,054	$15,805	$263
FP046	Pipe	36.8	150	1990	17	$240	0%	60	43	$8,832	$11,001	$7,884	$131
FP047	Pipe	40.2	150	1990	17	$240	0%	60	43	$9,648	$12,017	$8,612	$144
FP048	Pipe	16	150	1990	17	$240	0%	60	43	$3,840	$4,783	$3,428	$57
FP049	Pipe	13.1	150	1990	17	$240	0%	60	43	$3,144	$3,916	$2,806	$47
FP050	Pipe	15.8	150	1990	17	$240	0%	60	43	$3,792	$4,723	$3,385	$56

VALUATION OF SEWER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL[1] (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
FP051	Pipe	54.2	150	1990	17	$240	0%	60	43	$13,008	$16,202	$11,612	$194
FP052	Pipe	17.4	150	1990	17	$240	0%	60	43	$4,176	$5,201	$3,728	$62
FP053	Pipe	10.2	150	1990	17	$240	0%	60	43	$2,448	$3,049	$2,185	$36
FP054	Pipe	30.7	150	1990	17	$240	0%	60	43	$7,368	$9,177	$6,577	$110
FP055	Pipe	85	225	1973	34	$340	0%	60	26	$28,900	$35,997	$15,599	$260
FP056	Pipe	19.5	225	1973	34	$340	0%	60	26	$6,630	$8,258	$3,578	$60
FP057	Pipe	43.8	150	1973	34	$240	0%	60	26	$10,512	$13,093	$5,674	$95
FP058	Pipe	28.3	150	1973	34	$240	0%	60	26	$6,792	$8,460	$3,666	$61
FP059	Pipe	108	100	1973	34	$195	0%	60	26	$21,060	$26,231	$11,367	$189
FP060	Pipe	22.5	150	1973	34	$240	0%	60	26	$5,400	$6,726	$2,915	$49
FP061	Pipe	13.3	100	1973	34	$195	0%	60	26	$2,594	$3,230	$1,400	$23
FP062	Pipe	4.4	100	1973	34	$195	0%	60	26	$858	$1,069	$463	$8
FP063	Pipe	7.6	100	1973	34	$195	0%	60	26	$1,482	$1,846	$800	$13
FP064	Pipe	22.8	225	1962	45	$340	0%	60	15	$7,752	$9,656	$2,414	$40
FP065	Pipe	45.3	225	1962	45	$340	0%	60	15	$15,402	$19,184	$4,796	$80
FP066	Pipe	73	150	1965	42	$240	0%	60	18	$17,520	$21,822	$6,547	$109
FP067	Pipe	62	150	1965	42	$240	0%	60	18	$14,880	$18,534	$5,560	$93
FP068	Pipe	17.7	150	1965	42	$240	0%	60	18	$4,248	$5,291	$1,587	$26
FP069	Pipe	19.6	150	1965	42	$240	0%	60	18	$4,704	$5,859	$1,758	$29
FP070	Pipe	45.6	150	1950	57	$240	0%	60	3	$10,944	$13,631	$682	$11
FP071	Pipe	0.3	150	1950	57	$240	0%	60	3	$72	$90	$4	$0
FP072	Pipe	72.3	150	1950	57	$240	0%	60	3	$17,352	$21,613	$1,081	$18
FP073	Pipe	44.8	150	1950	57	$240	0%	60	3	$10,752	$13,392	$670	$11
FP074	Pipe	20.5	150	1950	57	$240	0%	60	3	$4,920	$6,128	$306	$5
FP075	Pipe	0.3	150	1950	57	$240	0%	60	3	$72	$90	$4	$0
FP076	Pipe	9.7	150	1950	57	$240	0%	60	3	$2,328	$2,900	$145	$2
FP077	Pipe	12.1	150	1950	57	$240	0%	60	3	$2,904	$3,617	$181	$3
FP078	Pipe	8.7	150	1950	57	$240	0%	60	3	$2,088	$2,601	$130	$2
FP079	Pipe	8.9	150	1950	57	$240	0%	60	3	$2,136	$2,661	$133	$2
FP080	Pipe	59	150	1965	42	$240	0%	60	18	$14,160	$17,637	$5,291	$88
FP081	Pipe	23.5	150	1965	42	$240	0%	60	18	$5,640	$7,025	$2,107	$35
FP082	Pipe	37.7	150	1965	42	$240	0%	60	18	$9,048	$11,270	$3,381	$56
FP083	Pipe	18.4	150	1965	42	$240	0%	60	18	$4,416	$5,500	$1,650	$28
FP084	Pipe	31.7	100	1960	47	$195	0%	60	13	$6,182	$7,699	$1,668	$28
FP085	Pipe	110	100	1960	47	$195	0%	60	13	$21,450	$26,717	$5,789	$96
FP086	Pipe	24.1	100	1962	45	$195	0%	60	15	$4,700	$5,853	$1,463	$24
FP087	Pipe	20.5	100	1962	45	$195	0%	60	15	$3,998	$4,979	$1,245	$21
FP088	Pipe	73.5	300	2002	5	$475	0%	60	55	$34,913	$43,485	$39,862	$664
FP089	Pipe	72.8	300	2002	5	$475	0%	60	55	$34,580	$43,071	$39,482	$658
FP090	Pipe	28.6	300	2002	5	$475	0%	60	55	$13,585	$16,921	$15,511	$259
FP091	Pipe	78.8	225	2002	5	$340	0%	60	55	$26,792	$33,371	$30,590	$510
FP092	Pipe	78.9	225	2002	5	$340	0%	60	55	$26,826	$33,413	$30,629	$510
FP093	Pipe	19.3	150	1950	57	$240	0%	60	3	$4,632	$5,769	$288	$5
FP094	Pipe	32.3	150	1965	42	$240	0%	60	18	$7,752	$9,656	$2,897	$48
FP095	Pipe	30.8	150	1965	42	$240	0%	60	18	$7,392	$9,207	$2,762	$46
FP096	Pipe	54.4	150	1950	57	$240	0%	60	3	$13,056	$16,262	$813	$14
FP097	Pipe	38	150	1950	57	$240	0%	60	3	$9,120	$11,359	$568	$9
FP098	Pipe	71.7	100	1950	57	$195	0%	60	3	$13,982	$17,415	$871	$15
FP099	Pipe	61.6	100	1950	57	$195	0%	60	3	$12,012	$14,962	$748	$12
FP100	Pipe	90.2	100	1950	57	$195	0%	60	3	$17,589	$21,908	$1,095	$18
FP101	Pipe	68.8		commissioned									

VALUATION OF SEWER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL[1] (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
FP102	Pipe	69.5		commissioned									
FP103	Pipe	36	150	1965	42	$240	0%	60	18	$8,640	$10,762	$3,228	$54
FP104	Pipe	15.8	150	1966	41	$240	0%	60	19	$3,792	$4,723	$1,496	$25
FP105	Pipe	59.5	150	1966	41	$240	0%	60	19	$14,280	$17,787	$5,632	$94
FP106	Pipe	31	150	1966	41	$240	0%	60	19	$7,440	$9,267	$2,935	$49
FP107	Pipe	43.8	100	1966	41	$195	0%	60	19	$8,541	$10,638	$3,369	$56
FP108	Pipe	2.6	100	1966	41	$195	0%	60	19	$507	$631	$200	$3
FP109	Pipe	20.4	150	1965	42	$240	0%	60	18	$4,896	$6,098	$1,829	$30
FP110	Pipe	7.9	150	1965	42	$240	0%	60	18	$1,896	$2,362	$708	$12
FP111	Pipe	29.3	150	1960	47	$240	0%	60	13	$7,032	$8,759	$1,898	$32
FP112	Pipe	17.1	150	1960	47	$240	0%	60	13	$4,104	$5,112	$1,108	$18
FP113	Pipe	29.5	150	1960	47	$240	0%	60	13	$7,080	$8,819	$1,911	$32
FP114	Pipe	35	150	1960	47	$240	0%	60	13	$8,400	$10,463	$2,267	$38
FP115	Pipe	41.4	150	1960	47	$240	0%	60	13	$9,936	$12,376	$2,681	$45
FP116	Pipe	23.1	150	1960	47	$240	0%	60	13	$5,544	$6,905	$1,496	$25
FP117	Pipe	11.1	150	1960	47	$240	0%	60	13	$2,664	$3,318	$719	$12
FP118	Pipe	16	150	1960	47	$240	0%	60	13	$3,840	$4,783	$1,036	$17
FP119	Pipe	16.8	150	1960	47	$240	0%	60	13	$4,032	$5,022	$1,088	$18
FP120	Pipe	16.1	100	1960	47	$195	0%	60	13	$3,140	$3,910	$847	$14
FP121	Pipe	27.1	100	1960	47	$195	0%	60	13	$5,285	$6,582	$1,426	$24
FP122	Pipe	28.6	100	1960	47	$195	0%	60	13	$5,577	$6,946	$1,505	$25
FP123	Pipe	1.5	100	1960	47	$195	0%	60	13	$293	$364	$79	$1
FP124	Pipe	5.5	150	1960	47	$240	0%	60	13	$1,320	$1,644	$356	$6
FP125	Pipe	29.1	100	1950	57	$195	0%	60	3	$5,675	$7,068	$353	$6
FP126	Pipe	84.2	150	1960	47	$240	0%	60	13	$20,208	$25,170	$5,454	$91
FP127	Pipe	28.1	100	1950	57	$195	0%	60	3	$5,480	$6,825	$341	$6
FP128	Pipe	29.8	100	1950	57	$195	0%	60	3	$5,811	$7,238	$362	$6
FP129	Pipe	36	100	1950	57	$195	0%	60	3	$7,020	$8,744	$437	$7
FP130	Pipe	22.8	100	1960	47	$195	0%	60	13	$4,446	$5,538	$1,200	$20
FP131	Pipe	87.9	150	1960	47	$240	0%	60	13	$21,096	$26,276	$5,693	$95
FP132	Pipe	15.2	100	1950	57	$195	0%	60	3	$2,964	$3,692	$185	$3
FP133	Pipe	28.2	100	1970	37	$195	0%	60	23	$5,499	$6,849	$2,626	$44
FP134	Pipe	24.5	100	1950	57	$195	0%	60	3	$4,778	$5,951	$298	$5
FP135	Pipe	24.3	100	1950	57	$195	0%	60	3	$4,739	$5,902	$295	$5
FP136	Pipe	41.8	100	1950	57	$195	0%	60	3	$8,151	$10,153	$508	$8
FP137	Pipe	78.4	150	1960	47	$240	0%	60	13	$18,816	$23,436	$5,078	$85
FP138	Pipe	18.7	100	1950	57	$195	0%	60	3	$3,647	$4,542	$227	$4
FP139	Pipe	66.5	100	1950	57	$195	0%	60	3	$12,968	$16,152	$808	$13
FP140	Pipe	25.9	150	1960	47	$240	0%	60	13	$6,216	$7,742	$1,678	$28
FP141	Pipe	22.8	150	1960	47	$240	0%	60	13	$5,472	$6,816	$1,477	$25
FP142	Pipe	50.6	160	1987	20	$240	0%	60	40	$12,144	$15,126	$10,084	$168
FP143	Pipe	19.2	150	1987	20	$240	0%	60	40	$4,608	$5,740	$3,826	$64
FP144	Pipe	14.1	150	1978	29	$240	0%	60	31	$3,384	$4,215	$2,178	$36
FP145	Pipe	61.1	150	1978	29	$240	0%	60	31	$14,664	$18,265	$9,437	$157
FP146	Pipe	34.9	150	1970	37	$240	0%	60	23	$8,376	$10,433	$3,999	$67
FP147	Pipe	60.6	150	1960	47	$240	0%	60	13	$14,544	$18,115	$3,925	$65
FP148	Pipe	20.2	100	1982	25	$195	0%	60	35	$3,939	$4,906	$2,862	$48
FP149	Pipe	19.5	100	1960	47	$195	0%	60	13	$3,803	$4,736	$1,026	$17
FP150	Pipe	21.7	100	1960	47	$195	0%	60	13	$4,232	$5,271	$1,142	$19
FP151	Pipe	41.4	100	1960	47	$195	0%	60	13	$8,073	$10,055	$2,179	$36
FP152	Pipe	11.8	100	1997	10	$195	0%	60	50	$2,301	$2,866	$2,388	$40

VALUATION OF SEWER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL[1] (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
FP153	Pipe	69.9	150	1962	45	$240	0%	60	15	$16,776	$20,895	$5,224	$87
FP154	Pipe	77.5	225	1976	31	$340	0%	60	29	$26,350	$32,820	$15,863	$264
FP155	Pipe	88	150	1962	45	$240	0%	60	15	$21,120	$26,306	$6,577	$110
FP156	Pipe	69.6	225	1976	31	$340	0%	60	29	$23,664	$29,475	$14,246	$237
FP157	Pipe	91.6	150	1962	45	$240	0%	60	15	$21,984	$27,382	$6,846	$114
FP158	Pipe	55.1	225	1976	31	$340	0%	60	29	$18,734	$23,334	$11,278	$188
FP159	Pipe	14.9	225	1976	31	$340	0%	60	29	$5,066	$6,310	$3,050	$51
FP160	Pipe	74.5	150	2001	6	$240	0%	60	54	$17,880	$22,271	$20,043	$334
FP161	Pipe	73.8	150	2001	6	$240	0%	60	54	$17,712	$22,061	$19,855	$331
FP162	Pipe	58.5	150	2001	6	$240	0%	60	54	$14,040	$17,488	$15,739	$262
FP163	Pipe	59.9	150	2001	6	$240	0%	60	54	$14,376	$17,906	$16,115	$269
FP164	Pipe	39.5	150	1976	31	$240	0%	60	29	$9,480	$11,808	$5,707	$95
FP165	Pipe	46.6	150	1976	31	$240	0%	60	29	$11,184	$13,930	$6,733	$112
FP166	Pipe	87.4	150	1976	31	$240	0%	60	29	$20,976	$26,127	$12,628	$210
FP167	Pipe	87.6	150	1976	31	$240	0%	60	29	$21,024	$26,187	$12,657	$211
FP168	Pipe	53.1	150	1976	31	$240	0%	60	29	$12,744	$15,873	$7,672	$128
FP169	Pipe	60.7	150	1976	31	$240	0%	60	29	$14,568	$18,145	$8,770	$146
FP170	Pipe	59.3	150	1976	31	$240	0%	60	29	$14,232	$17,727	$8,568	$143
FP171	Pipe	16.1	150	1975	32	$240	0%	60	28	$3,864	$4,813	$2,246	$37
FP172	Pipe	61.7	150	1975	32	$240	0%	60	28	$14,808	$18,444	$8,607	$143
FP173	Pipe	30.7	150	1975	32	$240	0%	60	28	$7,368	$9,177	$4,283	$71
FP174	Pipe	30.7	150	1975	32	$240	0%	60	28	$7,368	$9,177	$4,283	$71
FP175	Pipe	43.3	150	1975	32	$240	0%	60	28	$10,392	$12,944	$6,040	$101
FP176	Pipe	62.9	150	1975	32	$240	0%	60	28	$15,096	$18,803	$8,775	$146
FP177	Pipe	22.4	150	1975	32	$240	0%	60	28	$5,376	$6,696	$3,125	$52
FP178	Pipe	18.2	100	1975	32	$195	0%	60	28	$3,549	$4,420	$2,063	$34
FP179	Pipe	36.8	150	1975	32	$240	0%	60	28	$8,832	$11,001	$5,134	$86
FP180	Pipe	56.7	150	1975	32	$240	0%	60	28	$13,608	$16,950	$7,910	$132
FP181	Pipe	47	150	1975	32	$240	0%	60	28	$11,280	$14,050	$6,557	$109
FP182	Pipe	89.9	150	1962	45	$240	0%	60	15	$21,576	$26,874	$6,719	$112
FP183	Pipe	89.9	150	1962	45	$240	0%	60	15	$21,576	$26,874	$6,719	$112
FP184	Pipe	89.6	150	1962	45	$240	0%	60	15	$21,504	$26,784	$6,696	$112
FP185	Pipe	91.2	150	1962	45	$240	0%	60	15	$21,888	$27,263	$6,816	$114
FP186	Pipe	91.4	150	1962	45	$240	0%	60	15	$21,936	$27,323	$6,831	$114
FP187	Pipe	52.8	150	1962	45	$240	0%	60	15	$12,672	$15,784	$3,946	$66
FP188	Pipe	37	150	1962	45	$240	0%	60	15	$8,880	$11,061	$2,765	$46
FP189	Pipe	30.7	150	1962	45	$240	0%	60	15	$7,368	$9,177	$2,294	$38
FP190	Pipe	43.1	150	1962	45	$240	0%	60	15	$10,344	$12,884	$3,221	$54
FP191	Pipe	82.7	150	1975	32	$240	0%	60	28	$19,848	$24,722	$11,537	$192
FP192	Pipe	9.8	150	1969	38	$240	0%	60	22	$2,352	$2,930	$1,074	$18
FP193	Pipe	2.4	100	1985	22	$195	0%	60	38	$468	$583	$369	$6
FP194	Pipe	75.5	100	1995	12	$195	0%	60	48	$14,723	$18,338	$14,670	$245
FP195	Pipe	25.6	100	1995	12	$195	0%	60	48	$4,992	$6,218	$4,974	$83
FP196	Pipe	0.3	100	1995	12	$195	0%	60	48	$59	$73	$58	$1
FP197	Pipe	3.1	100	1995	12	$195	0%	60	48	$605	$753	$602	$10
FP198	Pipe	2.1	100	1995	12	$195	0%	60	48	$410	$510	$408	$7
FP199	Pipe	21.4	100	1995	12	$195	0%	60	48	$4,173	$5,198	$4,158	$69
FP200	Pipe	84.9	150	1966	41	$240	0%	60	19	$20,376	$25,379	$8,037	$134
FP201	Pipe	90.2	150	1966	41	$240	0%	60	19	$21,648	$26,964	$8,539	$142
FP202	Pipe	90.2	150	1966	41	$240	0%	60	19	$21,648	$26,964	$8,539	$142
FP203	Pipe	62.4	150	1966	41	$240	0%	60	19	$14,976	$18,653	$5,907	$98

VALUATION OF SEWER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL[1] (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
FP204	Pipe	27	150	1966	41	$240	0%	60	19	$6,480	$8,071	$2,556	$43
FP205	Pipe	53.6	150	1966	41	$240	0%	60	19	$12,864	$16,023	$5,074	$85
FP206	Pipe	79.6	150	1966	41	$240	0%	60	19	$19,104	$23,795	$7,535	$126
FP207	Pipe	79.6	150	1977	30	$240	0%	60	30	$19,104	$23,795	$11,898	$198
FP208	Pipe	89.4	150	1977	30	$240	0%	60	30	$21,456	$26,725	$13,362	$223
FP209	Pipe	90.2	150	1977	30	$240	0%	60	30	$21,648	$26,964	$13,482	$225
FP210	Pipe	26.4	150	1997	10	$240	0%	60	50	$6,336	$7,892	$6,577	$110
FP211	Pipe	74.2	150	commissioned									
FP212	Pipe	0.8	150	1997	10	$240	0%	60	50	$192	$239	$199	$3
FP213	Pipe	11.4	150	1997	10	$240	0%	60	50	$2,736	$3,408	$2,840	$47
FP214	Pipe	38.7	150	1997	10	$240	0%	60	50	$9,288	$11,569	$9,641	$161
FP215	Pipe	77	150	1997	10	$240	0%	60	50	$18,480	$23,018	$19,182	$320
FP216	Pipe	71.2	150	1997	10	$240	0%	60	50	$17,088	$21,284	$17,737	$296
FP217	Pipe	22.9	100	1973	34	$195	0%	60	26	$4,466	$5,562	$2,410	$40
FP218	Pipe	21.4	100	1973	34	$195	0%	60	26	$4,173	$5,198	$2,252	$38
FP219	Pipe	81.8	150	1970	37	$240	0%	60	23	$19,632	$24,453	$9,374	$156
FP220	Pipe	89.8	150	1970	37	$240	0%	60	23	$21,552	$26,844	$10,290	$172
FP221	Pipe	67.2	150	1984	23	$240	0%	60	37	$16,128	$20,088	$12,388	$206
FP222	Pipe	26.1	150	1984	23	$240	0%	60	37	$6,264	$7,802	$4,811	$80
FP223	Pipe	47.2	150	1973	34	$240	0%	60	26	$11,328	$14,110	$6,114	$102
FP224	Pipe	11.7	150	1973	34	$240	0%	60	26	$2,808	$3,498	$1,516	$25
FP225	Pipe	74.2	150	1973	34	$240	0%	60	26	$17,808	$22,181	$9,612	$160
FP226	Pipe	42.6	50	1996	11	$180	0%	60	49	$7,668	$9,551	$7,800	$130
FP227	Pipe	16	150	1996	11	$240	0%	60	49	$3,840	$4,783	$3,906	$65
FP228	Pipe	55.4	100	1998	9	$195	0%	60	51	$10,803	$13,456	$11,437	$191
FP229	Pipe	33	50	1998	9	$180	0%	60	51	$5,940	$7,399	$6,289	$105
FP230	Pipe	83.1	40	2006	1	$175	0%	60	59	$14,543	$18,113	$17,812	$297
FP231	Pipe	100	40	1996	11	$175	0%	60	49	$17,500	$21,797	$17,801	$297
FP232	Pipe	88	50	2005	2	$180	0%	60	58	$15,840	$19,730	$19,072	$318
FP233	Pipe	19.4	225	2002	5	$340	0%	60	55	$6,596	$8,216	$7,531	$126
FP234	Pipe	98.4	150	2005	2	$240	0%	60	58	$23,616	$29,415	$28,435	$474
FP235	Pipe	99	150	2004	3	$240	0%	60	57	$23,760	$29,594	$28,115	$469
FP236	Pipe	68.8	150	2004	3	$240	0%	60	57	$16,512	$20,567	$19,538	$326
DF001	Disposal Field			2000	7	$10,000	0%	60	53	$10,000	$12,456	$11,002	$183
DF002	Disposal Field			2000	7	$10,000	0%	60	53	$10,000	$12,456	$11,002	$183
MS001	Std Manhole		305	1963	44	$4,500	0%	60	16	$4,500	$5,605	$1,495	$25
MS002	Std Manhole		305	1963	44	$4,500	0%	60	16	$4,500	$5,605	$1,495	$25
MS003	Std Manhole		305	1963	44	$4,500	0%	60	16	$4,500	$5,605	$1,495	$25
MS004	Std Manhole		305	1976	31	$4,500	0%	60	29	$4,500	$5,605	$2,709	$45
MS005	Std Manhole		305	1963	44	$4,500	0%	60	16	$4,500	$5,605	$1,495	$25
MS006	Std Manhole		305	1963	44	$4,500	0%	60	16	$4,500	$5,605	$1,495	$25
MS007	Std Manhole		305	1963	44	$4,500	0%	60	16	$4,500	$5,605	$1,495	$25
MS008	Std Manhole		305	1963	44	$4,500	0%	60	16	$4,500	$5,605	$1,495	$25
MS009	Std Manhole		305	1963	44	$4,500	0%	60	16	$4,500	$5,605	$1,495	$25
MS010	Std Manhole		150	2001	6	$4,500	0%	60	54	$4,500	$5,605	$5,044	$84
MS011	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS012	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS013	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS014	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40

VALUATION OF SEWER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL[1] (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
MS015	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS016	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS017	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS018	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS019	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS020	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS021	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS022	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS023	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS024	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS025	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS026	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS027	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS028	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS029	Std Manhole		305	1963	44	$4,500	0%	60	16	$4,500	$5,605	$1,495	$25
MS030	Std Manhole		150	1985	22	$4,500	0%	60	38	$4,500	$5,605	$3,550	$59
MS031	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS032	Std Manhole		150	1985	22	$4,500	0%	60	38	$4,500	$5,605	$3,550	$59
MS033	Std Manhole		150	2002	5	$4,500	0%	60	55	$4,500	$5,605	$5,138	$86
MS034	Std Manhole		150	1985	22	$4,500	0%	60	38	$4,500	$5,605	$3,550	$59
MS035	Std Manhole		150	1985	22	$4,500	0%	60	38	$4,500	$5,605	$3,550	$59
MS036	Std Manhole		150	1995	12	$4,500	0%	60	48	$4,500	$5,605	$4,484	$75
MS037	Std Manhole		150	1995	12	$4,500	0%	60	48	$4,500	$5,605	$4,484	$75
MS038	Std Manhole		150	1995	12	$4,500	0%	60	48	$4,500	$5,605	$4,484	$75
MS039	Std Manhole		305	1963	44	$4,500	0%	60	16	$4,500	$5,605	$1,495	$25
MS040	Std Manhole		100	1960	47	$4,500	0%	60	13	$4,500	$5,605	$1,214	$20
MS041	Std Manhole		100	1960	47	$4,500	0%	60	13	$4,500	$5,605	$1,214	$20
MS042	Std Manhole		100	1960	47	$4,500	0%	60	13	$4,500	$5,605	$1,214	$20
MS043	Std Manhole		100	1960	47	$4,500	0%	60	13	$4,500	$5,605	$1,214	$20
MS044	Std Manhole		100	1960	47	$4,500	0%	60	13	$4,500	$5,605	$1,214	$20
MS045	Std Manhole		225	1962	45	$4,500	0%	60	15	$4,500	$5,605	$1,401	$23
MS046	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS047	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS048	Std Manhole		150	1965	42	$4,500	0%	60	18	$4,500	$5,605	$1,681	$28
MS049	Std Manhole		150	1965	42	$4,500	0%	60	18	$4,500	$5,605	$1,681	$28
MS050	Std Manhole		150	1965	42	$4,500	0%	60	18	$4,500	$5,605	$1,681	$28
MS051	Std Manhole		150	1965	42	$4,500	0%	60	18	$4,500	$5,605	$1,681	$28
MS052	Std Manhole		150	1965	42	$4,500	0%	60	18	$4,500	$5,605	$1,681	$28
MS053	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS054	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS055	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS056	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS057	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS058	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS059	Std Manhole		150	2005	2	$4,500	0%	60	58	$4,500	$5,605	$5,418	$90
MS060	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS061	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS062	Std Manhole		300	2002	5	$4,500	0%	60	55	$4,500	$5,605	$5,138	$86
MS063	Std Manhole		300	2002	5	$4,500	0%	60	55	$4,500	$5,605	$5,138	$86
MS064	Std Manhole		300	2002	5	$4,500	0%	60	55	$4,500	$5,605	$5,138	$86
MS065	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5

VALUATION OF SEWER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL[1] (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
MS066	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS067	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS068	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS069	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS070	Std Manhole		150	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS071	Std Manhole		100	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS072	Std Manhole		100	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS073	Std Manhole		100	1950	57	$4,500	0%	60	3	$4,500	$5,605	$280	$5
MS074	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS075	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS076	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS077	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS078	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS079	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS080	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS081	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS082	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS083	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS084	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS085	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS086	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS087	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS088	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS089	Std Manhole		150	2005	2	$4,500	0%	60	58	$4,500	$5,605	$5,418	$90
MS090	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS091	Std Manhole		150	1960	47	$4,500	0%	60	13	$4,500	$5,605	$1,214	$20
MS092	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS093	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS094	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS095	Std Manhole		150	1960	47	$4,500	0%	60	13	$4,500	$5,605	$1,214	$20
MS096	Std Manhole		100	1955	52	$4,500	0%	60	8	$4,500	$5,605	$747	$12
MS097	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS098	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS099	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS100	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS101	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS102	Std Manhole		100	1955	52	$4,500	0%	60	8	$4,500	$5,605	$747	$12
MS103	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS104	Std Manhole		100	1955	52	$4,500	0%	60	8	$4,500	$5,605	$747	$12
MS105	Std Manhole		150	1960	47	$4,500	0%	60	13	$4,500	$5,605	$1,214	$20
MS106	Std Manhole		150	1987	20	$4,500	0%	60	40	$4,500	$5,605	$3,737	$62
MS107	Std Manhole		150	1987	20	$4,500	0%	60	40	$4,500	$5,605	$3,737	$62
MS108	Std Manhole		150	1987	20	$4,500	0%	60	40	$4,500	$5,605	$3,737	$62
MS109	Std Manhole		150	1978	29	$4,500	0%	60	31	$4,500	$5,605	$2,896	$48
MS110	Std Manhole		150	1978	29	$4,500	0%	60	31	$4,500	$5,605	$2,896	$48
MS111	Std Manhole		150	1970	37	$4,500	0%	60	23	$4,500	$5,605	$2,149	$36
MS112	Std Manhole		150	1960	47	$4,500	0%	60	13	$4,500	$5,605	$1,214	$20
MS113	Std Manhole		100	1982	25	$4,500	0%	60	35	$4,500	$5,605	$3,270	$54
MS114	Std Manhole		100	1960	47	$4,500	0%	60	13	$4,500	$5,605	$1,214	$20
MS115	Std Manhole		100	1960	47	$4,500	0%	60	13	$4,500	$5,605	$1,214	$20
MS116	Std Manhole		100	1960	47	$4,500	0%	60	13	$4,500	$5,605	$1,214	$20

VALUATION OF SEWER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL[1] (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
MS117	Std Manhole		100	1997	10	$4,500	0%	60	50	$4,500	$5,605	$4,671	$78
MS118	Std Manhole		150	1962	45	$4,500	0%	60	15	$4,500	$5,605	$1,401	$23
MS119	Std Manhole		225	1976	31	$4,500	0%	60	29	$4,500	$5,605	$2,709	$45
MS120	Std Manhole		225	1976	31	$4,500	0%	60	29	$4,500	$5,605	$2,709	$45
MS121	Std Manhole		150	2001	6	$4,500	0%	60	54	$4,500	$5,605	$5,044	$84
MS122	Std Manhole		150	2001	6	$4,500	0%	60	54	$4,500	$5,605	$5,044	$84
MS123	Std Manhole		150	1976	31	$4,500	0%	60	29	$4,500	$5,605	$2,709	$45
MS124	Std Manhole		150	1976	31	$4,500	0%	60	29	$4,500	$5,605	$2,709	$45
MS125	Std Manhole		150	1976	31	$4,500	0%	60	29	$4,500	$5,605	$2,709	$45
MS126	Std Manhole		150	1976	31	$4,500	0%	60	29	$4,500	$5,605	$2,709	$45
MS127	Std Manhole		150	1976	31	$4,500	0%	60	29	$4,500	$5,605	$2,709	$45
MS128	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS129	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS130	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS131	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS132	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS133	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS134	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS135	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS136	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS137	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS138	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS139	Std Manhole		150	1962	45	$4,500	0%	60	15	$4,500	$5,605	$1,401	$23
MS140	Std Manhole		150	1962	45	$4,500	0%	60	15	$4,500	$5,605	$1,401	$23
MS141	Std Manhole		150	1962	45	$4,500	0%	60	15	$4,500	$5,605	$1,401	$23
MS142	Std Manhole		150	1962	45	$4,500	0%	60	15	$4,500	$5,605	$1,401	$23
MS143	Std Manhole		150	1962	45	$4,500	0%	60	15	$4,500	$5,605	$1,401	$23
MS144	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS145	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS146	Std Manhole		150	1969	38	$4,500	0%	60	22	$4,500	$5,605	$2,055	$34
MS147	Std Manhole		150	1969	38	$4,500	0%	60	22	$4,500	$5,605	$2,055	$34
MS148	Std Manhole		100	1986	21	$4,500	0%	60	39	$4,500	$5,605	$3,643	$61
MS149	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS150	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS151	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS152	Std Manhole		150	1966	41	$4,500	0%	60	19	$4,500	$5,605	$1,775	$30
MS153	Std Manhole		150	1966	41	$4,500	0%	60	19	$4,500	$5,605	$1,775	$30
MS154	Std Manhole		150	1970	37	$4,500	0%	60	23	$4,500	$5,605	$2,149	$36
MS155	Std Manhole		150	1970	37	$4,500	0%	60	23	$4,500	$5,605	$2,149	$36
MS156	Std Manhole		150	1984	23	$4,500	0%	60	37	$4,500	$5,605	$3,456	$58
MS157	Std Manhole		150	1984	23	$4,500	0%	60	37	$4,500	$5,605	$3,456	$58
MS158	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS159	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS160	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS161	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS162	Std Manhole		150	1966	41	$4,500	0%	60	19	$4,500	$5,605	$1,775	$30
MS163	Std Manhole		150	1973	34	$4,500	0%	60	26	$4,500	$5,605	$2,429	$40
MS164	Std Manhole		150	1977	30	$4,500	0%	60	30	$4,500	$5,605	$2,802	$47
MS165	Std Manhole		150	1977	30	$4,500	0%	60	30	$4,500	$5,605	$2,802	$47
MS166	Std Manhole		150	1997	10	$4,500	0%	60	50	$4,500	$5,605	$4,671	$78
MS167	Std Manhole		150	1997	10	$4,500	0%	60	50	$4,500	$5,605	$4,671	$78

VALUATION OF SEWER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL[1] (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
MS168	Std Manhole		150	1997	10	$4,500	0%	60	50	$4,500	$5,605	$4,671	$78
MS169	Std Manhole		150	1997	10	$4,500	0%	60	50	$4,500	$5,605	$4,671	$78
MS170	Std Manhole		150	1997	10	$4,500	0%	60	50	$4,500	$5,605	$4,671	$78
MS171	Std Manhole		150	2005	2	$4,500	0%	60	58	$4,500	$5,605	$5,418	$90
MS172	Std Manhole		150	2005	2	$4,500	0%	60	58	$4,500	$5,605	$5,418	$90
MS173	Std Manhole		150	2005	2	$4,500	0%	60	58	$4,500	$5,605	$5,418	$90
MS174	Std Manhole		150	2005	2	$4,500	0%	60	58	$4,500	$5,605	$5,418	$90
MS175	Std Manhole		150	2005	2	$4,500	0%	60	58	$4,500	$5,605	$5,418	$90
MS176	Std Manhole		150	2005	2	$4,500	0%	60	58	$4,500	$5,605	$5,418	$90
MV001	Vented Manhole		305	1963	44	$6,000	0%	60	16	$6,000	$7,473	$1,993	$33
MV002	Vented Manhole		305	1963	44	$6,000	0%	60	16	$6,000	$7,473	$1,993	$33
MV003	Vented Manhole		305	1963	44	$6,000	0%	60	16	$6,000	$7,473	$1,993	$33
MV004	Vented Manhole		305	1962	45	$6,000	0%	60	15	$6,000	$7,473	$1,868	$31
MV005	Vented Manhole		305	1963	44	$6,000	0%	60	16	$6,000	$7,473	$1,993	$33
MV006	Vented Manhole		305	1963	44	$6,000	0%	60	16	$6,000	$7,473	$1,993	$33
MV007	Vented Manhole		305	1963	44	$6,000	0%	60	16	$6,000	$7,473	$1,993	$33
MV008	Vented Manhole		150	2001	6	$6,000	0%	60	54	$6,000	$7,473	$6,726	$112
MV009	Vented Manhole		150	2001	6	$6,000	0%	60	54	$6,000	$7,473	$6,726	$112
MV010	Vented Manhole		305	1963	44	$6,000	0%	60	16	$6,000	$7,473	$1,993	$33
MV011	Vented Manhole		200	1978	29	$6,000	0%	60	31	$6,000	$7,473	$3,861	$64
MV012	Vented Manhole		200	1978	29	$6,000	0%	60	31	$6,000	$7,473	$3,861	$64
MV013	Vented Manhole		200	1978	29	$6,000	0%	60	31	$6,000	$7,473	$3,861	$64
MV014	Vented Manhole		200	1978	29	$6,000	0%	60	31	$6,000	$7,473	$3,861	$64
MV015	Vented Manhole		150	1985	22	$6,000	0%	60	38	$6,000	$7,473	$4,733	$79
MV016	Vented Manhole		150	2002	5	$6,000	0%	60	55	$6,000	$7,473	$6,851	$114
MV017	Vented Manhole		150	1985	22	$6,000	0%	60	38	$6,000	$7,473	$4,733	$79
MV018	Vented Manhole		150	1985	22	$6,000	0%	60	38	$6,000	$7,473	$4,733	$79
MV019	Vented Manhole		150	1995	12	$6,000	0%	60	48	$6,000	$7,473	$5,979	$100
MV020	Vented Manhole		305	1963	44	$6,000	0%	60	16	$6,000	$7,473	$1,993	$33
MV021	Vented Manhole		300	2002	5	$6,000	0%	60	55	$6,000	$7,473	$6,851	$114
MV022	Vented Manhole		300	2002	5	$6,000	0%	60	55	$6,000	$7,473	$6,851	$114
MV023	Vented Manhole		225	2002	5	$6,000	0%	60	55	$6,000	$7,473	$6,851	$114
MV024	Vented Manhole		200	1978	29	$6,000	0%	60	31	$6,000	$7,473	$3,861	$64
MV025	Vented Manhole		225	1976	31	$6,000	0%	60	29	$6,000	$7,473	$3,612	$60
MV026	Vented Manhole		150	1962	45	$6,000	0%	60	15	$6,000	$7,473	$1,868	$31
MV027	Vented Manhole		150	2001	6	$6,000	0%	60	54	$6,000	$7,473	$6,726	$112
MV028	Vented Manhole		150	2001	6	$6,000	0%	60	54	$6,000	$7,473	$6,726	$112
MV029	Vented Manhole		150	1976	31	$6,000	0%	60	29	$6,000	$7,473	$3,612	$60
MV030	Vented Manhole		150	1976	31	$6,000	0%	60	29	$6,000	$7,473	$3,612	$60
MV031	Vented Manhole		150	1976	31	$6,000	0%	60	29	$6,000	$7,473	$3,612	$60
MV032	Vented Manhole		150	1962	45	$6,000	0%	60	15	$6,000	$7,473	$1,868	$31
MV033	Vented Manhole		150	1962	45	$6,000	0%	60	15	$6,000	$7,473	$1,868	$31
MV034	Vented Manhole		150	1962	45	$6,000	0%	60	15	$6,000	$7,473	$1,868	$31
MV035	Vented Manhole		100	1995	12	$6,000	0%	60	48	$6,000	$7,473	$5,979	$100
MV036	Vented Manhole		150	1979	28	$6,000	0%	60	32	$6,000	$7,473	$3,986	$66
MV037	Vented Manhole		150	1966	41	$6,000	0%	60	19	$6,000	$7,473	$2,367	$39
MV038	Vented Manhole		150	1970	37	$6,000	0%	60	23	$6,000	$7,473	$2,865	$48
MV039	Vented Manhole		150	1966	41	$6,000	0%	60	19	$6,000	$7,473	$2,367	$39
MV040	Vented Manhole		150	1966	41	$6,000	0%	60	19	$6,000	$7,473	$2,367	$39
MV041	Vented Manhole		150	1997	10	$6,000	0%	60	50	$6,000	$7,473	$6,228	$104
MV042	Vented Manhole		200	2005	2	$6,000	0%	60	58	$6,000	$7,473	$7,224	$120

VALUATION OF SEWER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL[1] (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
IT001	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT002	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT003	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT004	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT005	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT006	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT007	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT008	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT009	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT010	Interceptor Trap		100	1997	10	$2,100	0%	60	50	$2,100	$2,616	$2,180	$36
IT011	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT012	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT013	Interceptor Trap		100	1979	28	$2,100	0%	60	32	$2,100	$2,616	$1,395	$23
IT014	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT015	Interceptor Trap		100	1991	16	$2,100	0%	60	44	$2,100	$2,616	$1,918	$32
IT016	Interceptor Trap		100	1997	10	$2,100	0%	60	50	$2,100	$2,616	$2,180	$36
FT001	Flush Tank		100	1960	47	$7,000	0%	60	13	$7,000	$8,719	$1,889	$31
FT002	Flush Tank		100	1979	28	$7,000	0%	60	32	$7,000	$8,719	$4,650	$78
FT003	Flush Tank		100	1966	41	$7,000	0%	60	19	$7,000	$8,719	$2,761	$46
FT004	Flush Tank		100	1997	10	$7,000	0%	60	50	$7,000	$8,719	$7,266	$121
IC001	Inspection Chamber		100	1960	47	$1,500	0%	60	13	$1,500	$1,868	$405	$7
IC002	Inspection Chamber		100	1960	47	$1,500	0%	60	13	$1,500	$1,868	$405	$7
PC001	Pump Chamber		150	1985	22	$6,500	0%	60	38	$6,500	$8,096	$5,128	$85
PC002	Pump Chamber		150	2000	7	$6,500	0%	60	53	$6,500	$8,096	$7,152	$119
PC003	Pump Chamber		150	2005	2	$6,500	0%	60	58	$6,500	$8,096	$7,826	$130
ST001	Septic Tank			2000	7	$10,000	0%	60	53	$10,000	$12,456	$11,002	$183
ST002	Septic Tank			2000	7	$10,000	0%	60	53	$10,000	$12,456	$11,002	$183
SV001	Valve			2005	2	$0	0%	60	58	$0	$0	$0	$0
											$5,414,111	$2,437,883	$40,631

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SP001	Pipe	19.6	225	1975	32	$260	0%	60	28	$5,096	$6,347	$2,962	$49
SP002	Pipe	3.2	225	1975	32	$260	0%	60	28	$832	$1,036	$484	$8
SP003	Pipe	19.6	225	1975	32	$260	0%	60	28	$5,096	$6,347	$2,962	$49
SP004	Pipe	3.6	225	1975	32	$260	0%	60	28	$936	$1,166	$544	$9
SP005	Pipe	9.8	225	1975	32	$260	0%	60	28	$2,548	$3,174	$1,481	$25
SP006	Pipe	5.1	225	1975	32	$260	0%	60	28	$1,326	$1,652	$771	$13
SP007	Pipe	32.5	225	1975	32	$260	0%	60	28	$8,450	$10,525	$4,912	$82
SP008	Pipe	16	225	1970	37	$260	0%	60	23	$4,160	$5,182	$1,986	$33
SP009	Pipe	21.4	225	1970	37	$260	0%	60	23	$5,564	$6,930	$2,657	$44
SP010	Pipe	9.8	225	1970	37	$260	0%	60	23	$2,548	$3,174	$1,217	$20
SP011	Pipe	3.2	225	1970	37	$260	0%	60	23	$832	$1,036	$397	$7
SP012	Pipe	6.2	225	1997	10	$260	0%	60	50	$1,612	$2,008	$1,673	$28
SP013	Pipe	5.5	225	1997	10	$260	0%	60	50	$1,430	$1,781	$1,484	$25
SP014	Pipe	2.5	225	1997	10	$260	0%	60	50	$650	$810	$675	$11
SP015	Pipe	20.9	225	1997	10	$260	0%	60	50	$5,434	$6,768	$5,640	$94
SP016	Pipe	17.4	225	1970	37	$260	0%	60	23	$4,524	$5,635	$2,160	$36
SP017	Pipe	9.6	150	1970	37	$185	0%	60	23	$1,776	$2,212	$848	$14
SP018	Pipe	19.5	150	1970	37	$185	0%	60	23	$3,608	$4,493	$1,722	$29
SP019	Pipe	8.6	100	1970	37	$150	0%	60	23	$1,290	$1,607	$616	$10
SP020	Pipe	15	225	1970	37	$260	0%	60	23	$3,900	$4,858	$1,862	$31
SP021	Pipe	43.1	100	1970	37	$150	0%	60	23	$6,465	$8,053	$3,087	$51
SP022	Pipe	7.1	225	1970	37	$260	0%	60	23	$1,846	$2,299	$881	$15
SP023	Pipe	44.8	225	1970	37	$260	0%	60	23	$11,648	$14,508	$5,561	$93
SP024	Pipe	13.2	100	1970	37	$150	0%	60	23	$1,980	$2,466	$945	$16
SP025	Pipe	15.7	100	1970	37	$150	0%	60	23	$2,355	$2,933	$1,124	$19
SP026	Pipe	10.1	225	1970	37	$260	0%	60	23	$2,626	$3,271	$1,254	$21
SP027	Pipe	26.9	225	1970	37	$260	0%	60	23	$6,994	$8,711	$3,339	$56
SP028	Pipe	7.3	100	1970	37	$150	0%	60	23	$1,095	$1,364	$523	$9
SP029	Pipe	12.6	225	1970	37	$260	0%	60	23	$3,276	$4,080	$1,564	$26
SP030	Pipe	13.9	100	1970	37	$150	0%	60	23	$2,085	$2,597	$996	$17
SP031	Pipe	49	225	1970	37	$260	0%	60	23	$12,740	$15,868	$6,083	$101
SP032	Pipe	1.1	225	1987	20	$260	0%	60	40	$286	$356	$237	$4
SP033	Pipe	12.9	100	1995	12	$150	0%	60	48	$1,935	$2,410	$1,928	$32
SP034	Pipe	5.2	225	1995	12	$260	0%	60	48	$1,352	$1,684	$1,347	$22
SP035	Pipe	44	225	1995	12	$260	0%	60	48	$11,440	$14,249	$11,399	$190
SP036	Pipe	1.1	150	1995	12	$185	0%	60	48	$204	$253	$203	$3
SP037	Pipe	7.2	150	1995	12	$185	0%	60	48	$1,332	$1,659	$1,327	$22
SP038	Pipe	5.4	225	1987	20	$260	0%	60	40	$1,404	$1,749	$1,166	$19
SP039	Pipe	1.3	150	1969	38	$185	0%	60	22	$241	$300	$110	$2
SP040	Pipe	3.3	150	1969	38	$185	0%	60	22	$611	$760	$279	$5
SP041	Pipe	4.6	150	1995	12	$185	0%	60	48	$851	$1,060	$848	$14
SP042	Pipe	1.5	150	1969	38	$185	0%	60	22	$278	$346	$127	$2
SP043	Pipe	1.1	150	1995	12	$185	0%	60	48	$204	$253	$203	$3
SP044	Pipe	1.5	150	1995	12	$185	0%	60	48	$278	$346	$277	$5
SP045	Pipe	2.6	225	1995	12	$260	0%	60	48	$676	$842	$674	$11
SP046	Pipe	13.4	225	1995	12	$260	0%	60	48	$3,484	$4,340	$3,472	$58
SP047	Pipe	2.3	100	1995	12	$150	0%	60	48	$345	$430	$344	$6
SP048	Pipe	2.3	100	1995	12	$150	0%	60	48	$345	$430	$344	$6
SP049	Pipe	2.3	100	1995	12	$150	0%	60	48	$345	$430	$344	$6
SP050	Pipe	2.3	100	1995	12	$150	0%	60	48	$345	$430	$344	$6

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SP051	Pipe	2.1	150	1960	47	$185	0%	60	13	$389	$484	$105	$2
SP052	Pipe	1.1	150	1995	12	$185	0%	60	48	$204	$253	$203	$3
SP053	Pipe	1.9	150	1960	47	$185	0%	60	13	$352	$438	$95	$2
SP054	Pipe	16.8	150	1960	47	$185	0%	60	13	$3,108	$3,871	$839	$14
SP055	Pipe	14	150	1979	28	$185	0%	60	32	$2,590	$3,226	$1,721	$29
SP056	Pipe	1.6	150	1995	12	$185	0%	60	48	$296	$369	$295	$5
SP057	Pipe	1.2	150	1995	12	$185	0%	60	48	$222	$277	$221	$4
SP058	Pipe	1.5	150	1995	12	$185	0%	60	48	$278	$346	$277	$5
SP059	Pipe	3.5	150	1979	28	$185	0%	60	32	$648	$806	$430	$7
SP060	Pipe	14.7	150	1979	28	$185	0%	60	32	$2,720	$3,387	$1,807	$30
SP061	Pipe	17.4	150	1979	28	$185	0%	60	32	$3,219	$4,009	$2,138	$36
SP062	Pipe	15.5	150	1979	28	$185	0%	60	32	$2,868	$3,572	$1,905	$32
SP063	Pipe	2.3	150	1995	12	$185	0%	60	48	$426	$530	$424	$7
SP064	Pipe	2.8	150	1960	47	$185	0%	60	13	$518	$645	$140	$2
SP065	Pipe	1.9	150	1995	12	$185	0%	60	48	$352	$438	$350	$6
SP066	Pipe	5.9	150	1995	12	$185	0%	60	48	$1,092	$1,360	$1,088	$18
SP067	Pipe	2.1	150	1995	12	$185	0%	60	48	$389	$484	$387	$6
SP068	Pipe	1.5	150	1995	12	$185	0%	60	48	$278	$346	$277	$5
SP069	Pipe	14	150	1979	28	$185	0%	60	32	$2,590	$3,226	$1,721	$29
SP070	Pipe	1.8	150	1995	12	$185	0%	60	48	$333	$415	$332	$6
SP071	Pipe	3.1	150	1995	12	$185	0%	60	48	$574	$714	$571	$10
SP072	Pipe	3.8	150	1995	12	$185	0%	60	48	$703	$876	$701	$12
SP073	Pipe	1.5	150	1979	28	$185	0%	60	32	$278	$346	$184	$3
SP074	Pipe	16.2	150	1979	28	$185	0%	60	32	$2,997	$3,733	$1,991	$33
SP075	Pipe	2.7	150	1979	28	$185	0%	60	32	$500	$622	$332	$6
SP076	Pipe	5.2	150	1979	28	$185	0%	60	32	$962	$1,198	$639	$11
SP077	Pipe	5	225	1995	12	$260	0%	60	48	$1,300	$1,619	$1,295	$22
SP078	Pipe	7.1	150	1995	12	$185	0%	60	48	$1,314	$1,636	$1,309	$22
SP079	Pipe	7	225	1995	12	$260	0%	60	48	$1,820	$2,267	$1,814	$30
SP080	Pipe	6.7	225	1995	12	$260	0%	60	48	$1,742	$2,170	$1,736	$29
SP081	Pipe	5.4	225	1995	12	$260	0%	60	48	$1,404	$1,749	$1,399	$23
SP082	Pipe	11.1	225	1995	12	$260	0%	60	48	$2,886	$3,595	$2,876	$48
SP083	Pipe	6.2	150	1995	12	$185	0%	60	48	$1,147	$1,429	$1,143	$19
SP084	Pipe	11.6	150	1995	12	$185	0%	60	48	$2,146	$2,673	$2,138	$36
SP085	Pipe	7.2	450	1995	12	$495	0%	60	48	$3,564	$4,439	$3,551	$59
SP086	Pipe	28.9	450	1995	12	$495	0%	60	48	$14,306	$17,818	$14,255	$238
SP087	Pipe	22.1	450	1995	12	$495	0%	60	48	$10,940	$13,626	$10,901	$182
SP088	Pipe	37.1	450	1995	12	$495	0%	60	48	$18,365	$22,874	$18,299	$305
SP089	Pipe	55.9	450	1995	12	$495	0%	60	48	$27,671	$34,465	$27,572	$460
SP090	Pipe	35.9	200	1995	12	$235	0%	60	48	$8,437	$10,508	$8,407	$140
SP091	Pipe	45.3	600	1995	12	$680	0%	60	48	$30,804	$38,368	$30,694	$512
SP092	Pipe	25.1	150	1995	12	$185	0%	60	48	$4,644	$5,784	$4,627	$77
SP093	Pipe	10.1	300	1995	12	$330	0%	60	48	$3,333	$4,151	$3,321	$55
SP094	Pipe	91.4	600	1997	10	$680	0%	60	50	$62,152	$77,414	$64,511	$1,075
SP095	Pipe	59.3	225	1997	10	$260	0%	60	50	$15,418	$19,204	$16,003	$267
SP096	Pipe	0.9	225	1987	20	$260	0%	60	40	$234	$291	$194	$3
SP097	Pipe	1.1	225	1987	20	$260	0%	60	40	$286	$356	$237	$4
SP098	Pipe	19.4	225	1940	67	$260	0%	69	2	$5,044	$6,283	$209	$3
SP099	Pipe	9.4	225	1940	67	$260	0%	69	2	$2,444	$3,044	$101	$2
SP100	Pipe	5	150	1940	67	$185	0%	69	2	$925	$1,152	$38	$1

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SP101	Pipe	2.6	150	1940	67	$185	0%	69	2	$481	$599	$20	$0
SP102	Pipe	2.6	150	1940	67	$185	0%	69	2	$481	$599	$20	$0
SP103	Pipe	11.2	150	1940	67	$185	0%	69	2	$2,072	$2,581	$86	$1
SP104	Pipe	2.2	150	1940	67	$185	0%	69	2	$407	$507	$17	$0
SP105	Pipe	11.2	150	1940	67	$185	0%	69	2	$2,072	$2,581	$86	$1
SP106	Pipe	211.6	150	1940	67	$185	0%	69	2	$39,146	$48,759	$1,625	$27
SP107	Pipe	7.4	150	1940	67	$185	0%	69	2	$1,369	$1,705	$57	$1
SP108	Pipe	2.1	150	1940	67	$185	0%	69	2	$389	$484	$16	$0
SP109	Pipe	4.4	150	1940	67	$185	0%	69	2	$814	$1,014	$34	$1
SP110	Pipe	3.8	150	1940	67	$185	0%	69	2	$703	$876	$29	$0
SP111	Pipe	3.8	150	1940	67	$185	0%	69	2	$703	$876	$29	$0
SP112	Pipe	2.4	150	1940	67	$185	0%	69	2	$444	$553	$18	$0
SP113	Pipe	8.6	225	1975	32	$260	0%	60	28	$2,236	$2,785	$1,300	$22
SP114	Pipe	16.6	225	1975	32	$260	0%	60	28	$4,316	$5,376	$2,509	$42
SP115	Pipe	6.9	225	1975	32	$260	0%	60	28	$1,794	$2,235	$1,043	$17
SP116	Pipe	1.9	150	1994	13	$185	0%	60	47	$352	$438	$343	$6
SP117	Pipe	6.9	225	1985	22	$260	0%	60	38	$1,794	$2,235	$1,415	$24
SP118	Pipe	2.4	150	1985	22	$185	0%	60	38	$444	$553	$350	$6
SP119	Pipe	0.6	150	1985	22	$185	0%	60	38	$111	$138	$88	$1
SP120	Pipe	9.8	225	1985	22	$260	0%	60	38	$2,548	$3,174	$2,010	$33
SP121	Pipe	16.4	225	1985	22	$260	0%	60	38	$4,264	$5,311	$3,364	$56
SP122	Pipe	8.1	225	1985	22	$260	0%	60	38	$2,106	$2,623	$1,661	$28
SP123	Pipe	9.9	225	1985	22	$260	0%	60	38	$2,574	$3,206	$2,031	$34
SP124	Pipe	2.5	225	1985	22	$260	0%	60	38	$650	$810	$513	$9
SP125	Pipe	10	225	1985	22	$260	0%	60	38	$2,600	$3,238	$2,051	$34
SP126	Pipe	16.6	225	2002	5	$260	0%	60	55	$4,316	$5,376	$4,928	$82
SP127	Pipe	9.6	225	1995	12	$260	0%	60	48	$2,496	$3,109	$2,487	$41
SP128	Pipe	52.6	100	1995	12	$150	0%	60	48	$7,890	$9,827	$7,862	$131
SP129	Pipe	1.9	225	1995	12	$260	0%	60	48	$494	$615	$492	$8
SP130	Pipe	8.2	225	1995	12	$260	0%	60	48	$2,132	$2,656	$2,124	$35
SP131	Pipe	3.6	225	1995	12	$260	0%	60	48	$936	$1,166	$933	$16
SP132	Pipe	10.3	225	1995	12	$260	0%	60	48	$2,678	$3,336	$2,668	$44
SP133	Pipe	2.2	225	1995	12	$260	0%	60	48	$572	$712	$570	$9
SP134	Pipe	22.4	225	2001	6	$260	0%	60	54	$5,824	$7,254	$6,529	$109
SP135	Pipe	13.1	225	2001	6	$260	0%	60	54	$3,406	$4,242	$3,818	$64
SP136	Pipe	1.4	225	2001	6	$260	0%	60	54	$364	$453	$408	$7
SP137	Pipe	13.1	225	2001	6	$260	0%	60	54	$3,406	$4,242	$3,818	$64
SP138	Pipe	0.8	225	2001	6	$260	0%	60	54	$208	$259	$233	$4
SP139	Pipe	13.3	225	2001	6	$260	0%	60	54	$3,458	$4,307	$3,876	$65
SP140	Pipe	0.8	225	2001	6	$260	0%	60	54	$208	$259	$233	$4
SP141	Pipe	13.1	225	2001	6	$260	0%	60	54	$3,406	$4,242	$3,818	$64
SP142	Pipe	1.2	225	2001	6	$260	0%	60	54	$312	$389	$350	$6
SP143	Pipe	13.1	225	2001	6	$260	0%	60	54	$3,406	$4,242	$3,818	$64
SP144	Pipe	0.9	225	2001	6	$260	0%	60	54	$234	$291	$262	$4
SP145	Pipe	1.5	150	1970	37	$185	0%	60	23	$278	$346	$132	$2
SP146	Pipe	0.7	225	1970	37	$260	0%	60	23	$182	$227	$87	$1
SP147	Pipe	2.1	150	1970	37	$185	0%	60	23	$389	$484	$185	$3
SP148	Slot Drain	57.3	150	1997	10	$185	0%	60	50	$10,601	$13,204	$11,003	$183
SP149	Pipe	3	225	1997	10	$260	0%	60	50	$780	$972	$810	$13
SP150	Slot Drain	21.3	150	1997	10	$185	0%	60	50	$3,941	$4,908	$4,090	$68

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SP151	Slot Drain	33.4	150	1997	10	$185	0%	60	50	$6,179	$7,696	$6,414	$107
SP152	Pipe	7.3	300	1975	32	$330	0%	60	28	$2,409	$3,001	$1,400	$23
SP153	Pipe	57.6	150	1975	32	$185	0%	60	28	$10,656	$13,273	$6,194	$103
SP154	Pipe	6.1	150	1975	32	$185	0%	60	28	$1,129	$1,406	$656	$11
SP155	Pipe	107.7	375	1975	32	$410	0%	60	28	$44,157	$55,000	$25,667	$428
SP156	Pipe	41.5	375	1975	32	$410	0%	60	28	$17,015	$21,193	$9,890	$165
SP157	Pipe	70.5	375	1975	32	$410	0%	60	28	$28,905	$36,003	$16,801	$280
SP158	Pipe	69.6	375	1975	32	$410	0%	60	28	$28,536	$35,543	$16,587	$276
SP159	Pipe	66.9	375	1975	32	$410	0%	60	28	$27,429	$34,164	$15,943	$266
SP160	Pipe	1	150	1960	47	$185	0%	60	13	$185	$230	$50	$1
SP161	Pipe	1.9	450	1995	12	$495	0%	60	48	$941	$1,171	$937	$16
SP162	Pipe	1.1	225	1970	37	$260	0%	60	23	$286	$356	$137	$2
SP163	Pipe	3.7	150	1995	12	$185	0%	60	48	$685	$853	$682	$11
SP164	Pipe	3.5	150	1995	12	$185	0%	60	48	$648	$806	$645	$11
SP165	Pipe	2.2	150	1995	12	$185	0%	60	48	$407	$507	$406	$7
SP166	Pipe	2.2	150	1995	12	$185	0%	60	48	$407	$507	$406	$7
SP167	Pipe	1.1	150	1995	12	$185	0%	60	48	$204	$253	$203	$3
SP168	Pipe	1.2	150	1995	12	$185	0%	60	48	$222	$277	$221	$4
SP169	Pipe	1.2	150	1995	12	$185	0%	60	48	$222	$277	$221	$4
SP170	Pipe	15.8	150	2000	7	$185	0%	60	53	$2,923	$3,641	$3,216	$54
SP171	Pipe	35.5	225	2000	7	$260	0%	60	53	$9,230	$11,496	$10,155	$169
SP172	Pipe	3.6	200	2000	7	$235	0%	60	53	$846	$1,054	$931	$16
SP173	Pipe	2.9	200	2000	7	$235	0%	60	53	$682	$849	$750	$12
SP174	Pipe	1.9	200	2000	7	$235	0%	60	53	$447	$556	$491	$8
SP175	Pipe	4.8	200	2000	7	$235	0%	60	53	$1,128	$1,405	$1,241	$21
SP176	Pipe	3.7	200	2000	7	$235	0%	60	53	$870	$1,083	$957	$16
SP177	Pipe	17.3	225	2000	7	$260	0%	60	53	$4,498	$5,603	$4,949	$82
SP178	Pipe	7.6	100	2000	7	$150	0%	60	53	$1,140	$1,420	$1,254	$21
SP179	Pipe	7.7	100	2000	7	$150	0%	60	53	$1,155	$1,439	$1,271	$21
SP180	Pipe	4.4	100	2000	7	$150	0%	60	53	$660	$822	$726	$12
SP181	Pipe	30.9	150	2005	2	$185	0%	60	58	$5,717	$7,120	$6,883	$115
SP182	Pipe	4.3	150	2005	2	$185	0%	60	58	$796	$991	$958	$16
SP183	Pipe	9.6	150	2005	2	$185	0%	60	58	$1,776	$2,212	$2,138	$36
SP184	Pipe	43	150	2005	2	$185	0%	60	58	$7,955	$9,908	$9,578	$160
SP185	Pipe	27	150	2005	2	$185	0%	60	58	$4,995	$6,222	$6,014	$100
SP186	Pipe	4.8	300	2005	2	$330	0%	60	58	$1,584	$1,973	$1,907	$32
SP187	Pipe	35.2	300	2005	2	$330	0%	60	58	$11,616	$14,468	$13,986	$233
SP188	Pipe	5.1	300	2005	2	$330	0%	60	58	$1,683	$2,096	$2,026	$34
SP189	Pipe	34.1	150	2005	2	$185	0%	60	58	$6,309	$7,858	$7,596	$127
SP190	Pipe	23.8	150	2005	2	$185	0%	60	58	$4,403	$5,484	$5,301	$88
SP191	Pipe	23.8	150	2005	2	$185	0%	60	58	$4,403	$5,484	$5,301	$88
SP192	Pipe	10.5	150	2005	2	$185	0%	60	58	$1,943	$2,419	$2,339	$39
SP193	Pipe	34.1	225	2005	2	$260	0%	60	58	$8,866	$11,043	$10,675	$178
SP194	Pipe	7.4	225	2005	2	$260	0%	60	58	$1,924	$2,396	$2,317	$39
SP195	Pipe	5.3	225	2005	2	$260	0%	60	58	$1,378	$1,716	$1,659	$28
SP196	Pipe	14.1	300	2005	2	$330	0%	60	58	$4,653	$5,796	$5,602	$93
SP197	Pipe	2.7	300	2005	2	$330	0%	60	58	$891	$1,110	$1,073	$18
SP198	Pipe	19.8	150	2005	2	$185	0%	60	58	$3,663	$4,562	$4,410	$74
SP199	Pipe	4.5	150	2005	2	$185	0%	60	58	$833	$1,037	$1,002	$17
SP200	Pipe	6.7	225	2005	2	$260	0%	60	58	$1,742	$2,170	$2,097	$35

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SP201	Pipe	30	225	2005	2	$260	0%	60	58	$7,800	$9,715	$9,391	$157
SP202	Pipe	30	225	2005	2	$260	0%	60	58	$7,800	$9,715	$9,391	$157
SP203	Pipe	14.6	150	2005	2	$185	0%	60	58	$2,701	$3,364	$3,252	$54
SP204	Pipe	13.8	150	2005	2	$185	0%	60	58	$2,553	$3,180	$3,074	$51
SP205	Pipe	4.1	150	2005	2	$185	0%	60	58	$759	$945	$913	$15
SP206	Pipe	18.2	150	2005	2	$185	0%	60	58	$3,367	$4,194	$4,054	$68
SP207	Pipe	12.1	150	2005	2	$185	0%	60	58	$2,239	$2,788	$2,695	$45
SP208	Pipe	3.9	150	2005	2	$185	0%	60	58	$722	$899	$869	$14
SP209	Pipe	3.6	150	2005	2	$185	0%	60	58	$666	$830	$802	$13
SP210	Pipe	7.8	225	2005	2	$260	0%	60	58	$2,028	$2,526	$2,442	$41
SP211	Pipe	31.5	375	2005	2	$410	0%	60	58	$12,915	$16,086	$15,550	$259
SP212	Pipe	6.6	375	2005	2	$410	0%	60	58	$2,706	$3,370	$3,258	$54
SP213	Pipe	2.9	375	2005	2	$410	0%	60	58	$1,189	$1,481	$1,432	$24
SP214	Pipe	100.9	225	2005	2	$260	0%	60	58	$26,234	$32,676	$31,587	$526
SP215	Pipe	33	225	2005	2	$260	0%	60	58	$8,580	$10,687	$10,331	$172
SP216	Slot Drain	61.4	150	2005	2	$185	0%	60	58	$11,359	$14,148	$13,677	$228
SP217	Slot Drain	25.9	150	2005	2	$185	0%	60	58	$4,792	$5,968	$5,769	$96
SP218	Slot Drain	52.5	150	2005	2	$185	0%	60	58	$9,713	$12,097	$11,694	$195
SP219	Slot Drain	46.9	150	2005	2	$185	0%	60	58	$8,677	$10,807	$10,447	$174
SP220	Slot Drain	48.5	150	2005	2	$185	0%	60	58	$8,973	$11,176	$10,803	$180
SP221	Pipe	8.6	300	2005	2	$330	0%	60	58	$2,838	$3,535	$3,417	$57
SP222	Pipe	35.5	375	2005	2	$410	0%	60	58	$14,555	$18,129	$17,525	$292
SP223	Pipe	2.5	450	2005	2	$495	0%	60	58	$1,238	$1,541	$1,490	$25
SP224	Pipe	4.2	450	2005	2	$495	0%	60	58	$2,079	$2,590	$2,503	$42
SP225	Pipe	83.3	450	2005	2	$495	0%	60	58	$41,234	$51,359	$49,647	$827
SP226	Pipe	10.8	300	2005	2	$330	0%	60	58	$3,564	$4,439	$4,291	$72
SP227	Pipe	64	450	2005	2	$495	0%	60	58	$31,680	$39,459	$38,144	$636
SP228	Pipe	55.5	450	2005	2	$495	0%	60	58	$27,473	$34,219	$33,078	$551
SP229	Slot Drain	11.9	150	2005	2	$185	0%	60	58	$2,202	$2,742	$2,651	$44
SP230	Pipe	50.3	225	2005	2	$260	0%	60	58	$13,078	$16,289	$15,746	$262
SP231	Pipe	69.1	300	2005	2	$330	0%	60	58	$22,803	$28,402	$27,456	$458
SP232	Slot Drain	11.9	150	2005	2	$185	0%	60	58	$2,202	$2,742	$2,651	$44
SP233	Pipe	50.1	225	2005	2	$260	0%	60	58	$13,026	$16,225	$15,684	$261
SP234	Pipe	68.7	300	2005	2	$330	0%	60	58	$22,671	$28,238	$27,297	$455
SP235	Slot Drain	11.9	150	2005	2	$185	0%	60	58	$2,202	$2,742	$2,651	$44
SP236	Pipe	50.3	225	2005	2	$260	0%	60	58	$13,078	$16,289	$15,746	$262
SP237	Pipe	8.7	600	2005	2	$680	0%	60	58	$5,916	$7,369	$7,123	$119
SP238	Pipe	3.1	600	2005	2	$680	0%	60	58	$2,108	$2,626	$2,538	$42
SP239	Pipe	54	600	2005	2	$680	0%	60	58	$36,720	$45,737	$44,212	$737
SP240	Pipe	52.7	450	2005	2	$495	0%	60	58	$26,087	$32,492	$31,409	$523
SP241	Slot Drain	11.3	150	2005	2	$185	0%	60	58	$2,091	$2,604	$2,517	$42
SP242	Pipe	49.4	450	2005	2	$495	0%	60	58	$24,453	$30,458	$29,442	$491
SP243	Pipe	67.3	450	2005	2	$495	0%	60	58	$33,314	$41,494	$40,111	$669
SP244	Slot Drain	49.3	150	2005	2	$185	0%	60	58	$9,121	$11,360	$10,981	$183
SP245	Pipe	42.2	375	2005	2	$410	0%	60	58	$17,302	$21,551	$20,832	$347
SP246	Slot Drain	1.8	150	2005	2	$185	0%	60	58	$333	$415	$401	$7
SP247	Slot Drain	48	150	2005	2	$185	0%	60	58	$8,880	$11,061	$10,692	$178
SP248	Pipe	18.2	225	2005	2	$260	0%	60	58	$4,732	$5,894	$5,698	$95
SP249	Pipe	45.3	225	2005	2	$260	0%	60	58	$11,778	$14,670	$14,181	$236
SP250	Pipe	25.8	225	2005	2	$260	0%	60	58	$6,708	$8,355	$8,077	$135

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SP251	Pipe	29.2	225	2005	2	$260	0%	60	58	$7,592	$9,456	$9,141	$152
SP252	Pipe	61.2	300	2005	2	$330	0%	60	58	$20,196	$25,155	$24,317	$405
SP253	Pipe	1.6	300	2005	2	$330	0%	60	58	$528	$658	$636	$11
SP254	Pipe	3.2	450	2005	2	$495	0%	60	58	$1,584	$1,973	$1,907	$32
SP255	Pipe	14.3	450	2005	2	$495	0%	60	58	$7,079	$8,817	$8,523	$142
SP256	Slot Drain	12.6	150	2005	2	$185	0%	60	58	$2,331	$2,903	$2,807	$47
SP257	Pipe	11.9	225	2005	2	$260	0%	60	58	$3,094	$3,854	$3,725	$62
SP258	Pipe	13.9	450	2005	2	$495	0%	60	58	$6,881	$8,570	$8,284	$138
SP259	Slot Drain	6.5	150	2005	2	$185	0%	60	58	$1,203	$1,498	$1,448	$24
SP260	Pipe	53.3	150	2005	2	$185	0%	60	58	$9,861	$12,282	$11,872	$198
SP261	Pipe	16.7	150	2005	2	$185	0%	60	58	$3,090	$3,848	$3,720	$62
SP262	Slot Drain	11.5	150	2005	2	$185	0%	60	58	$2,128	$2,650	$2,562	$43
SP263	Pipe	25.3	450	2005	2	$495	0%	60	58	$12,524	$15,599	$15,079	$251
SP264	Pipe	90	300	2005	2	$200	0%	60	58	$18,000	$22,420	$21,673	$361
SP265	Slot Drain	12.5	150	2005	2	$185	0%	60	58	$2,313	$2,880	$2,784	$46
SP266	Pipe	58.7	225	2005	2	$260	0%	60	58	$15,262	$19,010	$18,376	$306
SP267	Pipe	2.9	225	2005	2	$260	0%	60	58	$754	$939	$908	$15
SP268	Pipe	59.3	300	2005	2	$330	0%	60	58	$19,569	$24,374	$23,562	$393
SP269	Slot Drain	6.2	150	2005	2	$185	0%	60	58	$1,147	$1,429	$1,381	$23
SP270	Pipe	32.2	225	2005	2	$260	0%	60	58	$8,372	$10,428	$10,080	$168
SP271	Slot Drain	12.2	150	2005	2	$185	0%	60	58	$2,257	$2,811	$2,718	$45
SP272	Pipe	64	225	2005	2	$260	0%	60	58	$16,640	$20,726	$20,035	$334
SP273	Pipe	5	300	2005	2	$330	0%	60	58	$1,650	$2,055	$1,987	$33
SP274	Pipe	1.9	300	2005	2	$330	0%	60	58	$627	$781	$755	$13
SP275	Pipe	55	450	2005	2	$495	0%	60	58	$27,225	$33,910	$32,780	$546
SP276	Pipe	27.2	150	2005	2	$185	0%	60	58	$5,032	$6,268	$6,059	$101
SP277	Pipe	4.4	225	2005	2	$260	0%	60	58	$1,144	$1,425	$1,377	$23
SP278	Pipe	40.2	225	2005	2	$260	0%	60	58	$10,452	$13,019	$12,585	$210
SP279	Pipe	5.2	150	2005	2	$185	0%	60	58	$962	$1,198	$1,158	$19
SP280	Pipe	19.2	150	2005	2	$185	0%	60	58	$3,552	$4,424	$4,277	$71
SP281	Pipe	9.4	225	2005	2	$260	0%	60	58	$2,444	$3,044	$2,943	$49
SP282	Pipe	66.9	225	2005	2	$260	0%	60	58	$17,394	$21,665	$20,943	$349
SP283	Slot Drain	11.8	150	2005	2	$185	0%	60	58	$2,183	$2,719	$2,628	$44
SP284	Pipe	63.1	225	2005	2	$260	0%	60	58	$16,406	$20,435	$19,753	$329
SP285	Pipe	46.6	450	2005	2	$495	0%	60	58	$23,067	$28,731	$27,774	$463
SP286	Slot Drain	28.7	150	2005	2	$185	0%	60	58	$5,310	$6,613	$6,393	$107
SP287	Pipe	18.5	225	2005	2	$260	0%	60	58	$4,810	$5,991	$5,791	$97
SP288	Pipe	54.1	225	2005	2	$260	0%	60	58	$14,066	$17,520	$16,936	$282
SP289	Slot Drain	6.1	150	2005	2	$185	0%	60	58	$1,129	$1,406	$1,359	$23
SP290	Pipe	66.8	225	2005	2	$260	0%	60	58	$17,368	$21,633	$20,912	$349
SP291	Pipe	48.1	375	2005	2	$410	0%	60	58	$19,721	$24,564	$23,745	$396
SP292	Slot Drain	10.2	150	2005	2	$185	0%	60	58	$1,887	$2,350	$2,272	$38
SP293	Pipe	7.8	225	2005	2	$260	0%	60	58	$2,028	$2,526	$2,442	$41
SP294	Pipe	36.7	225	2005	2	$260	0%	60	58	$9,542	$11,885	$11,489	$191
SP295	Pipe	65.1	225	2005	2	$260	0%	60	58	$16,926	$21,082	$20,380	$340
SP296	Pipe	61.5	375	2005	2	$410	0%	60	58	$25,215	$31,407	$30,360	$506
SP297	Pipe	40.1	150	2005	2	$185	0%	60	58	$7,419	$9,240	$8,932	$149
SP298	Slot Drain	12	150	2005	2	$185	0%	60	58	$2,220	$2,765	$2,673	$45
SP299	Pipe	57.7	225	2005	2	$260	0%	60	58	$15,002	$18,686	$18,063	$301
SP300	Pipe	3.2	225	2005	2	$260	0%	60	58	$832	$1,036	$1,002	$17

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SP301	Pipe	77.8	300	2005	2	$330	0%	60	58	$25,674	$31,978	$30,912	$515
SP302	Pipe	71.9	150	2005	2	$185	0%	60	58	$13,302	$16,568	$16,015	$267
SP303	Slot Drain	12.5	150	2005	2	$185	0%	60	58	$2,313	$2,880	$2,784	$46
SP304	Pipe	8.9	225	2005	2	$260	0%	60	58	$2,314	$2,882	$2,786	$46
SP305	Pipe	63.5	225	2005	2	$260	0%	60	58	$16,510	$20,564	$19,879	$331
SP306	Pipe	8.7	225	2005	2	$260	0%	60	58	$2,262	$2,817	$2,724	$45
SP307	Pipe	3	225	2005	2	$260	0%	60	58	$780	$972	$939	$16
SP308	Pipe	35.7	300	2005	2	$330	0%	60	58	$11,781	$14,674	$14,185	$236
SP309	Pipe	13.9	225	2005	2	$260	0%	60	58	$3,614	$4,501	$4,351	$73
SP310	Pipe	47.1	225	2005	2	$260	0%	60	58	$12,246	$15,253	$14,745	$246
SP311	Pipe	200.6	150	2005	2	$185	0%	60	58	$37,111	$46,224	$44,683	$745
SP312	Pipe	141.3	225	2005	2	$260	0%	60	58	$36,738	$45,759	$44,234	$737
SP313	Slot Drain	12.1	150	2005	2	$185	0%	60	58	$2,239	$2,788	$2,695	$45
SP314	Pipe	12.6	225	2005	2	$260	0%	60	58	$3,276	$4,080	$3,944	$66
SP315	Pipe	4	150	2005	2	$185	0%	60	58	$740	$922	$891	$15
SP316	Pipe	28.3	225	2005	2	$260	0%	60	58	$7,358	$9,165	$8,859	$148
SP317	Pipe	173.2	225	2005	2	$260	0%	60	58	$45,032	$56,090	$54,220	$904
SP318	Pipe	2	225	2005	2	$260	0%	60	58	$520	$648	$626	$10
SP319	Slot Drain	4.9	150	2005	2	$185	0%	60	58	$907	$1,129	$1,091	$18
SP320	Pipe	143.8	225	2005	2	$260	0%	60	58	$37,388	$46,569	$45,017	$750
SP321	Slot Drain	59.8	150	2005	2	$185	0%	60	58	$11,063	$13,780	$13,320	$222
SP322	Slot Drain	31.9	150	2005	2	$185	0%	60	58	$5,902	$7,351	$7,106	$118
SP323	Slot Drain	70.5	150	2005	2	$185	0%	60	58	$13,043	$16,245	$15,704	$262
SP324	Pipe	21.9	375	2005	2	$410	0%	60	58	$8,979	$11,184	$10,811	$180
SP325	Pipe	0.6	375	2005	2	$410	0%	60	58	$246	$306	$296	$5
SP326	Pipe	7.6	375	2005	2	$410	0%	60	58	$3,116	$3,881	$3,752	$63
SP327	Slot Drain	3.7	150	2005	2	$185	0%	60	58	$685	$853	$824	$14
SP328	Pipe	0.6	225	2005	2	$260	0%	60	58	$156	$194	$188	$3
SP329	Pipe	1	225	2005	2	$260	0%	60	58	$260	$324	$313	$5
SP330	Pipe	12.6	225	2005	2	$260	0%	60	58	$3,276	$4,080	$3,944	$66
SP331	Pipe	39.6	375	2005	2	$410	0%	60	58	$16,236	$20,223	$19,549	$326
SP332	Slot Drain	4.7	150	2005	2	$185	0%	60	58	$870	$1,083	$1,047	$17
SP333	Pipe	14.8	225	2005	2	$260	0%	60	58	$3,848	$4,793	$4,633	$77
SP334	Pipe	38.9	375	2005	2	$410	0%	60	58	$15,949	$19,865	$19,203	$320
SP335	Slot Drain	4.3	150	2005	2	$185	0%	60	58	$796	$991	$958	$16
SP336	Pipe	10.5	225	2005	2	$260	0%	60	58	$2,730	$3,400	$3,287	$55
SP337	Pipe	2	225	2005	2	$260	0%	60	58	$520	$648	$626	$10
SP338	Pipe	33.8	450	2005	2	$495	0%	60	58	$16,731	$20,839	$20,145	$336
SP339	Pipe	3.3	450	2005	2	$495	0%	60	58	$1,634	$2,035	$1,967	$33
SP340	Slot Drain	4.8	150	2005	2	$185	0%	60	58	$888	$1,106	$1,069	$18
SP341	Pipe	12.2	225	2005	2	$260	0%	60	58	$3,172	$3,951	$3,819	$64
SP342	Pipe	1.7	225	2005	2	$260	0%	60	58	$442	$551	$532	$9
SP343	Pipe	138	150	2005	2	$185	0%	60	58	$25,530	$31,799	$30,739	$512
SP344	Pipe	6.1	300	2005	2	$330	0%	60	58	$2,013	$2,507	$2,424	$40
SP345	Pipe	5.7	300	2005	2	$330	0%	60	58	$1,881	$2,343	$2,265	$38
SP346	Pipe	58.6	600	2005	2	$680	0%	60	58	$39,848	$49,633	$47,978	$800
SP347	Field Tile	177.1	400	2005	2	$235	0%	60	58	$41,619	$51,838	$50,110	$835
SP348	Pipe	20.5	150	2005	2	$185	0%	60	58	$3,793	$4,724	$4,566	$76
SP349	Pipe	22.7	100	2005	2	$150	0%	60	58	$3,405	$4,241	$4,100	$68
SP350	Pipe	12.6	100	2005	2	$150	0%	60	58	$1,890	$2,354	$2,276	$38

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SP351	Pipe	3.1	225	2005	2	$260	0%	60	58	$806	$1,004	$970	$16
SC001	Corner Sump			1997	10	$1,500	0%	60	50	$1,500	$1,868	$1,557	$26
SC002	Corner Sump			1970	37	$1,500	0%	60	23	$1,500	$1,868	$716	$12
SC003	Corner Sump			1970	37	$1,500	0%	60	23	$1,500	$1,868	$716	$12
SC004	Corner Sump			1970	37	$1,500	0%	60	23	$1,500	$1,868	$716	$12
SC005	Corner Sump			1970	37	$1,500	0%	60	23	$1,500	$1,868	$716	$12
SC006	Corner Sump			1970	37	$1,500	0%	60	23	$1,500	$1,868	$716	$12
SC007	Corner Sump			1970	37	$1,500	0%	60	23	$1,500	$1,868	$716	$12
SC008	Corner Sump			1970	37	$1,500	0%	60	23	$1,500	$1,868	$716	$12
SC009	Corner Sump			1987	20	$1,500	0%	60	40	$1,500	$1,868	$1,246	$21
SC010	Corner Sump			1987	20	$1,500	0%	60	40	$1,500	$1,868	$1,246	$21
SC011	Corner Sump			1969	38	$1,500	0%	60	22	$1,500	$1,868	$685	$11
SC012	Corner Sump			1960	47	$1,500	0%	60	13	$1,500	$1,868	$405	$7
SC013	Corner Sump			1960	47	$1,500	0%	60	13	$1,500	$1,868	$405	$7
SC014	Corner Sump			1960	47	$1,500	0%	60	13	$1,500	$1,868	$405	$7
SC015	Corner Sump			1960	47	$1,500	0%	60	13	$1,500	$1,868	$405	$7
SC016	Corner Sump			1979	28	$1,500	0%	60	32	$1,500	$1,868	$996	$17
SC017	Corner Sump			1979	28	$1,500	0%	60	32	$1,500	$1,868	$996	$17
SC018	Corner Sump			1995	12	$1,500	0%	60	48	$1,500	$1,868	$1,495	$25
SC019	Corner Sump			1995	12	$1,500	0%	60	48	$1,500	$1,868	$1,495	$25
SC020	Corner Sump			1979	28	$1,500	0%	60	32	$1,500	$1,868	$996	$17
SC021	Corner Sump			1979	28	$1,500	0%	60	32	$1,500	$1,868	$996	$17
SC022	Corner Sump			1979	28	$1,500	0%	60	32	$1,500	$1,868	$996	$17
SC023	Corner Sump			1979	28	$1,500	0%	60	32	$1,500	$1,868	$996	$17
SC024	Corner Sump			1979	28	$1,500	0%	60	32	$1,500	$1,868	$996	$17
SC025	Corner Sump			1995	12	$1,500	0%	60	48	$1,500	$1,868	$1,495	$25
SC026	Corner Sump			1997	10	$1,500	0%	60	50	$1,500	$1,868	$1,557	$26
SC027	Corner Sump			1997	10	$1,500	0%	60	50	$1,500	$1,868	$1,557	$26
SS001	Single Sump			1975	32	$2,000	0%	60	28	$2,000	$2,491	$1,163	$19
SS002	Single Sump			1975	32	$2,000	0%	60	28	$2,000	$2,491	$1,163	$19
SS003	Single Sump			1975	32	$2,000	0%	60	28	$2,000	$2,491	$1,163	$19
SS004	Single Sump			1975	32	$2,000	0%	60	28	$2,000	$2,491	$1,163	$19
SS005	Single Sump			1975	32	$2,000	0%	60	28	$2,000	$2,491	$1,163	$19
SS006	Single Sump			1975	32	$2,000	0%	60	28	$2,000	$2,491	$1,163	$19
SS007	Single Sump			1975	32	$2,000	0%	60	28	$2,000	$2,491	$1,163	$19
SS008	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS009	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS010	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS011	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS012	Single Sump			1997	10	$2,000	0%	60	50	$2,000	$2,491	$2,076	$35
SS013	Single Sump			1997	10	$2,000	0%	60	50	$2,000	$2,491	$2,076	$35
SS014	Single Sump			1997	10	$2,000	0%	60	50	$2,000	$2,491	$2,076	$35
SS015	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS016	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS017	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS018	Single Sump			1987	20	$2,000	0%	60	40	$2,000	$2,491	$1,661	$28
SS019	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS020	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SS021	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS022	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS023	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS024	Single Sump			1987	20	$2,000	0%	60	40	$2,000	$2,491	$1,661	$28
SS025	Single Sump			1969	38	$2,000	0%	60	22	$2,000	$2,491	$913	$15
SS026	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS027	Single Sump			1969	38	$2,000	0%	60	22	$2,000	$2,491	$913	$15
SS028	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS029	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS030	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS031	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS032	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS033	Single Sump			1997	10	$2,000	0%	60	50	$2,000	$2,491	$2,076	$35
SS034	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS035	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS036	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS037	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS038	Single Sump			1960	47	$2,000	0%	60	13	$2,000	$2,491	$540	$9
SS039	Single Sump			1960	47	$2,000	0%	60	13	$2,000	$2,491	$540	$9
SS040	Single Sump			1960	47	$2,000	0%	60	13	$2,000	$2,491	$540	$9
SS041	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS042	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS043	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS044	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS045	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS046	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS047	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS048	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS049	Single Sump			1979	28	$2,000	0%	60	32	$2,000	$2,491	$1,329	$22
SS050	Single Sump			1979	28	$2,000	0%	60	32	$2,000	$2,491	$1,329	$22
SS051	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS052	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS053	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS054	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS055	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS056	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS057	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS058	Single Sump			1983	24	$2,000	0%	60	36	$2,000	$2,491	$1,495	$25
SS059	Single Sump			1983	24	$2,000	0%	60	36	$2,000	$2,491	$1,495	$25
SS060	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS061	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS062	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS063	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS064	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS065	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS066	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS067	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS068	Single Sump			1983	24	$2,000	0%	60	36	$2,000	$2,491	$1,495	$25
SS069	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS070	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SS071	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS072	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS073	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS074	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS075	Single Sump			1983	24	$2,000	0%	60	36	$2,000	$2,491	$1,495	$25
SS076	Single Sump			1983	24	$2,000	0%	60	36	$2,000	$2,491	$1,495	$25
SS077	Single Sump			1983	24	$2,000	0%	60	36	$2,000	$2,491	$1,495	$25
SS078	Single Sump			1983	24	$2,000	0%	60	36	$2,000	$2,491	$1,495	$25
SS079	Single Sump			1983	24	$2,000	0%	60	36	$2,000	$2,491	$1,495	$25
SS080	Single Sump			1983	24	$2,000	0%	60	36	$2,000	$2,491	$1,495	$25
SS081	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS082	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS083	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS084	Single Sump			1940	67	$2,000	0%	69	2	$2,000	$2,491	$83	$1
SS085	Single Sump			1975	32	$2,000	0%	60	28	$2,000	$2,491	$1,163	$19
SS086	Single Sump			1985	22	$2,000	0%	60	38	$2,000	$2,491	$1,578	$26
SS087	Single Sump			1985	22	$2,000	0%	60	38	$2,000	$2,491	$1,578	$26
SS088	Single Sump			1985	22	$2,000	0%	60	38	$2,000	$2,491	$1,578	$26
SS089	Single Sump			1985	22	$2,000	0%	60	38	$2,000	$2,491	$1,578	$26
SS090	Single Sump			1985	22	$2,000	0%	60	38	$2,000	$2,491	$1,578	$26
SS091	Single Sump			1985	22	$2,000	0%	60	38	$2,000	$2,491	$1,578	$26
SS092	Single Sump			1985	22	$2,000	0%	60	38	$2,000	$2,491	$1,578	$26
SS093	Single Sump			1985	22	$2,000	0%	60	38	$2,000	$2,491	$1,578	$26
SS094	Single Sump			1985	22	$2,000	0%	60	38	$2,000	$2,491	$1,578	$26
SS095	Single Sump			1985	22	$2,000	0%	60	38	$2,000	$2,491	$1,578	$26
SS096	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS097	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS098	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS099	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS100	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS101	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS102	Single Sump			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SS103	Single Sump			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SS104	Single Sump			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SS105	Single Sump			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SS106	Single Sump			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SS107	Single Sump			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SS108	Single Sump			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SS109	Single Sump			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SS110	Single Sump			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SS111	Single Sump			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SS112	Single Sump			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SS113	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS114	Single Sump			1975	32	$2,000	0%	60	28	$2,000	$2,491	$1,163	$19
SS115	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS116	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS117	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS118	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS119	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS120	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SS121	Single Sump			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SS122	Single Sump			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SS123	Single Sump			2000	7	$2,000	0%	60	53	$2,000	$2,491	$2,200	$37
SS124	Single Sump			2000	7	$2,000	0%	60	53	$2,000	$2,491	$2,200	$37
SS125	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS126	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS127	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS128	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS129	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS130	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS131	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS132	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS133	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS134	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS135	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS136	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS137	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS138	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS139	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS140	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS141	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS142	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS143	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS144	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS145	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SS146	Single Sump			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SD001	Double Sump			1970	37	$2,500	0%	60	23	$2,500	$3,114	$1,194	$20
SD002	Double Sump			1940	67	$2,500	0%	69	2	$2,500	$3,114	$104	$2
SD003	Double Sump			1940	67	$2,500	0%	69	2	$2,500	$3,114	$104	$2
SD004	Double Sump			1975	32	$2,500	0%	60	28	$2,500	$3,114	$1,453	$24
SD005	Double Sump			1975	32	$2,500	0%	60	28	$2,500	$3,114	$1,453	$24
SD006	Double Sump			2002	5	$2,500	0%	60	55	$2,500	$3,114	$2,854	$48
SD007	Double Sump			1995	12	$2,500	0%	60	48	$2,500	$3,114	$2,491	$42
SD008	Double Sump			2000	7	$2,500	0%	60	53	$2,500	$3,114	$2,751	$46
SD009	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD010	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD011	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD012	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD013	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD014	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD015	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD016	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD017	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD018	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD019	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD020	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD021	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD022	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD023	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SD024	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD025	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD026	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD027	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD028	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD029	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD030	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD031	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD032	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD033	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD034	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD035	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD036	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD037	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD038	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD039	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD040	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD041	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD042	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD043	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD044	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD045	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD046	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SD047	Double Sump			2005	2	$2,500	0%	60	58	$2,500	$3,114	$3,010	$50
SI001	Trap Interceptor			1970	37	$2,000	0%	60	23	$2,000	$2,491	$955	$16
SI002	Trap Interceptor			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SI003	Trap Interceptor			2002	5	$2,000	0%	60	55	$2,000	$2,491	$2,284	$38
SI004	Trap Interceptor			1995	12	$2,000	0%	60	48	$2,000	$2,491	$1,993	$33
SI005	Trap Interceptor			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SI006	Trap Interceptor			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SI007	Trap Interceptor			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SI008	Trap Interceptor			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SI009	Trap Interceptor			2001	6	$2,000	0%	60	54	$2,000	$2,491	$2,242	$37
SI010	Trap Interceptor			2000	7	$2,000	0%	60	53	$2,000	$2,491	$2,200	$37
SI011	Trap Interceptor			2000	7	$2,000	0%	60	53	$2,000	$2,491	$2,200	$37
SI012	Trap Interceptor			2000	7	$2,000	0%	60	53	$2,000	$2,491	$2,200	$37
SI013	Trap Interceptor			2000	7	$2,000	0%	60	53	$2,000	$2,491	$2,200	$37
SI014	Trap Interceptor			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SI015	Trap Interceptor			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SI016	Separator			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SI017	Separator			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SI018	Separator			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SI019	Separator			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SI020	Separator			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SI021	Separator			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SI022	Separator			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SI023	Separator			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SI024	Trap Interceptor			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40
SI025	Separator			2005	2	$2,000	0%	60	58	$2,000	$2,491	$2,408	$40

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SM001	Manhole			1995	12	$4,000	0%	60	48	$4,000	$4,982	$3,986	$66
SM002	Manhole			1979	28	$4,000	0%	60	32	$4,000	$4,982	$2,657	$44
SM003	Manhole			1995	12	$4,000	0%	60	48	$4,000	$4,982	$3,986	$66
SM004	Manhole			1995	12	$4,000	0%	60	48	$4,000	$4,982	$3,986	$66
SM005	Manhole			1995	12	$4,000	0%	60	48	$4,000	$4,982	$3,986	$66
SM006	Manhole			1995	12	$4,000	0%	60	48	$4,000	$4,982	$3,986	$66
SM007	Manhole			1995	12	$4,000	0%	60	48	$4,000	$4,982	$3,986	$66
SM008	Manhole			1995	12	$4,000	0%	60	48	$4,000	$4,982	$3,986	$66
SM009	Manhole			1997	10	$4,000	0%	60	50	$4,000	$4,982	$4,152	$69
SM010	Manhole			1997	10	$4,000	0%	60	50	$4,000	$4,982	$4,152	$69
SM011	Manhole			1997	10	$4,000	0%	60	50	$4,000	$4,982	$4,152	$69
SM012	Manhole			1997	10	$4,000	0%	60	50	$4,000	$4,982	$4,152	$69
SM013	Manhole			1997	10	$4,000	0%	60	50	$4,000	$4,982	$4,152	$69
SM014	Manhole			1997	10	$4,000	0%	60	50	$4,000	$4,982	$4,152	$69
SM015	Manhole			1997	10	$4,000	0%	60	50	$4,000	$4,982	$4,152	$69
SM016	Manhole			1997	10	$4,000	0%	60	50	$4,000	$4,982	$4,152	$69
SM017	Manhole			1975	32	$4,000	0%	60	28	$4,000	$4,982	$2,325	$39
SM018	Manhole			1975	32	$4,000	0%	60	28	$4,000	$4,982	$2,325	$39
SM019	Manhole			1975	32	$4,000	0%	60	28	$4,000	$4,982	$2,325	$39
SM020	Manhole			1975	32	$4,000	0%	60	28	$4,000	$4,982	$2,325	$39
SM021	Manhole			1975	32	$4,000	0%	60	28	$4,000	$4,982	$2,325	$39
SM022	Manhole			1970	37	$4,000	0%	60	23	$4,000	$4,982	$1,910	$32
SM023	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM024	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM025	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM026	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM027	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM028	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM029	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM030	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM031	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM032	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM033	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM034	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM035	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM036	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM037	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM038	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM039	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM040	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM041	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM042	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM043	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM044	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM045	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM046	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM047	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM048	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM049	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SM050	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM051	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM052	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM053	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM054	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM055	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM056	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM057	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM058	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM059	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM060	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM061	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM062	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM063	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM064	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM065	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM066	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM067	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM068	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM069	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM070	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM071	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM072	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM073	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM074	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM075	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SM076	Manhole			2005	2	$4,000	0%	60	58	$4,000	$4,982	$4,816	$80
SH001	Soakpit	5		1975	32	$8,500	0%	60	28	$8,500	$10,587	$4,941	$82
SH002	Soakpit	5		1975	32	$8,500	0%	60	28	$8,500	$10,587	$4,941	$82
SH003	Soakpit	5		1975	32	$8,500	0%	60	28	$8,500	$10,587	$4,941	$82
SH004	Soakpit	6		1970	37	$8,500	0%	60	23	$8,500	$10,587	$4,058	$68
SH005	Soakpit	29.6		1970	37	$8,500	0%	60	23	$8,500	$10,587	$4,058	$68
SH006	Soakpit	5		1997	10	$8,500	0%	60	50	$8,500	$10,587	$8,823	$147
SH007	Soakpit	5		1997	10	$8,500	0%	60	50	$8,500	$10,587	$8,823	$147
SH008	Soakpit	3		1970	37	$8,500	0%	60	23	$8,500	$10,587	$4,058	$68
SH009	Soakpit	30.8		1970	37	$8,500	0%	60	23	$8,500	$10,587	$4,058	$68
SH010	Soakpit	29.3		1970	37	$8,500	0%	60	23	$8,500	$10,587	$4,058	$68
SH011	Soakpit	12		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH012	Soakpit	6.1		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH013	Soakpit	2		1987	20	$8,500	0%	60	40	$8,500	$10,587	$7,058	$118
SH014	Soakpit	10		1987	20	$8,500	0%	60	40	$8,500	$10,587	$7,058	$118
SH015	Soakpit	1.5		1987	20	$8,500	0%	60	40	$8,500	$10,587	$7,058	$118
SH016	Soakpit	10		1987	20	$8,500	0%	60	40	$8,500	$10,587	$7,058	$118
SH017	Soakpit	1.2		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH018	Soakpit	8		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH019	Soakpit	3.7		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH020	Soakpit	3.7		1969	38	$8,500	0%	60	22	$8,500	$10,587	$3,882	$65
SH021	Soakpit	1.8		1969	38	$8,500	0%	60	22	$8,500	$10,587	$3,882	$65
SH022	Soakpit	8		1969	38	$8,500	0%	60	22	$8,500	$10,587	$3,882	$65

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SH023	Soakpit	8		1969	38	$8,500	0%	60	22	$8,500	$10,587	$3,882	$65
SH024	Soakpit	8		1969	38	$8,500	0%	60	22	$8,500	$10,587	$3,882	$65
SH025	Soakpit	2.4		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH026	Soakpit	1.8		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH027	Soakpit	1.8		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH028	Soakpit	5		1960	47	$8,500	0%	60	13	$8,500	$10,587	$2,294	$38
SH029	Soakpit	5		1960	47	$8,500	0%	60	13	$8,500	$10,587	$2,294	$38
SH030	Soakpit	8		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH031	Soakpit	8		1960	47	$8,500	0%	60	13	$8,500	$10,587	$2,294	$38
SH032	Soakpit	8		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH033	Soakpit	2.4		1979	28	$8,500	0%	60	32	$8,500	$10,587	$5,647	$94
SH034	Soakpit	8		1960	47	$8,500	0%	60	13	$8,500	$10,587	$2,294	$38
SH035	Soakpit	8		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH036	Soakpit	8		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH037	Soakpit	8		1960	47	$8,500	0%	60	13	$8,500	$10,587	$2,294	$38
SH038	Soakpit	2.4		1960	47	$8,500	0%	60	13	$8,500	$10,587	$2,294	$38
SH039	Soakpit	2.4		1979	28	$8,500	0%	60	32	$8,500	$10,587	$5,647	$94
SH040	Soakpit	2.4		1979	28	$8,500	0%	60	32	$8,500	$10,587	$5,647	$94
SH041	Soakpit	2.4		1979	28	$8,500	0%	60	32	$8,500	$10,587	$5,647	$94
SH042	Soakpit	2.4		1979	28	$8,500	0%	60	32	$8,500	$10,587	$5,647	$94
SH043	Soakpit	5		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH044	Soakpit	5		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH045	Soakpit	2.4		1979	28	$8,500	0%	60	32	$8,500	$10,587	$5,647	$94
SH046	Soakpit	2.4		1979	28	$8,500	0%	60	32	$8,500	$10,587	$5,647	$94
SH047	Soakpit	5		1979	28	$8,500	0%	60	32	$8,500	$10,587	$5,647	$94
SH048	Soakpit	8		1979	28	$8,500	0%	60	32	$8,500	$10,587	$5,647	$94
SH049	Soakpit	5		1979	28	$8,500	0%	60	32	$8,500	$10,587	$5,647	$94
SH050	Soakpit	8		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH051	Soakpit	8		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH052	Soakpit	5		1940	67	$8,500	0%	69	2	$8,500	$10,587	$353	$6
SH053	Soakpit	5		1940	67	$8,500	0%	69	2	$8,500	$10,587	$353	$6
SH054	Soakpit	8		1940	67	$8,500	0%	69	2	$8,500	$10,587	$353	$6
SH055	Soakpit	8		1940	67	$8,500	0%	69	2	$8,500	$10,587	$353	$6
SH056	Soakpit	6.4		1940	67	$8,500	0%	69	2	$8,500	$10,587	$353	$6
SH057	Soakpit	5		1975	32	$8,500	0%	60	28	$8,500	$10,587	$4,941	$82
SH058	Soakpit	8		1975	32	$8,500	0%	60	28	$8,500	$10,587	$4,941	$82
SH059	Soakpit	5		1987	20	$8,500	0%	60	40	$8,500	$10,587	$7,058	$118
SH060	Soakpit	15		1985	22	$8,500	0%	60	38	$8,500	$10,587	$6,705	$112
SH061	Soakpit	8		1985	22	$8,500	0%	60	38	$8,500	$10,587	$6,705	$112
SH062	Soakpit	8		1985	22	$8,500	0%	60	38	$8,500	$10,587	$6,705	$112
SH063	Soakpit	14		1985	22	$8,500	0%	60	38	$8,500	$10,587	$6,705	$112
SH064	Soakpit	10		2002	5	$8,500	0%	60	55	$8,500	$10,587	$9,705	$162
SH065	Soakpit	2		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH066	Soakpit	4		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH067	Soakpit	6		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH068	Soakpit	10		2001	6	$8,500	0%	60	54	$8,500	$10,587	$9,528	$159
SH069	Soakpit	10		2001	6	$8,500	0%	60	54	$8,500	$10,587	$9,528	$159
SH070	Soakpit	10		2001	6	$8,500	0%	60	54	$8,500	$10,587	$9,528	$159
SH071	Soakpit	10		2001	6	$8,500	0%	60	54	$8,500	$10,587	$9,528	$159
SH072	Soakpit	20		2001	6	$8,500	0%	60	54	$8,500	$10,587	$9,528	$159

VALUATION OF STORMWATER ASSETS

Asset ID	Asset Category	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
SH073	Soakpit	5		1970	37	$8,500	0%	60	23	$8,500	$10,587	$4,058	$68
SH074	Soakpit	10		1975	32	$8,500	0%	60	28	$8,500	$10,587	$4,941	$82
SH075	Soakpit	10		1975	32	$8,500	0%	60	28	$8,500	$10,587	$4,941	$82
SH076	Soakpit	2		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH077	Soakpit	2		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH078	Soakpit	2		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH079	Soakpit	2		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH080	Soakpit	2		1995	12	$8,500	0%	60	48	$8,500	$10,587	$8,470	$141
SH081	Soakpit	5		2000	7	$8,500	0%	60	53	$8,500	$10,587	$9,352	$156
SH082	Soakpit	9		2000	7	$8,500	0%	60	53	$8,500	$10,587	$9,352	$156
SH083	Soakpit	9		2000	7	$8,500	0%	60	53	$8,500	$10,587	$9,352	$156
SH084	Soakpit	9		2000	7	$8,500	0%	60	53	$8,500	$10,587	$9,352	$156
SH085	Soakpit	2		2000	7	$8,500	0%	60	53	$8,500	$10,587	$9,352	$156
SH086	Soakpit	2		2000	7	$8,500	0%	60	53	$8,500	$10,587	$9,352	$156
SH087	Soakpit	2		2000	7	$8,500	0%	60	53	$8,500	$10,587	$9,352	$156
SH088	Soakpit	10		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH089	Soakpit	15		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH090	Soakpit	12		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH091	Soakpit	10		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH092	Soakpit	10		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH093	Soakpit	2		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH094	Soakpit	4		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH095	Soakpit	6		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH096	Soakpit	7		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH097	Soakpit	7		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH098	Soakpit	4.8		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH099	Soakpit	6		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH100	Soakpit	80		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH101	Soakpit	15		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH102	Soakpit	15		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH103	Soakpit	25		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH104	Soakpit	20		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH105	Soakpit	21		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH106	Soakpit	2		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH107	Soakpit	2		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SH108	Soakpit	10		2005	2	$8,500	0%	60	58	$8,500	$10,587	$10,234	$171
SW001	Swale	19		2000	7	$300	0%	60	53	$5,700	$7,100	$6,271	$105
											$4,945,294	$3,923,741	$65,396

VALUATION OF WATER ASSETS

Asset ID	Asset Category	Asset Description	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual % RC	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
WW001	Well	Well No.1			1973	34	$44,000	$0	60	26	$44,000	$54,804	$23,749	$396
WW002	Well	Well No.2			1966	41	$33,000	$0	60	19	$33,000	$41,103	$13,016	$217
WW003	Well	Well No.3			1996	11	$66,000	$0	60	49	$66,000	$82,207	$67,135	$1,119
WW004	Well	Well No.4			1966	41	$43,000	$0	60	19	$43,000	$53,559	$16,960	$283
WW005	Well	Well No.5			Decomisioned									
WW006	Well	Well No.6			1975	32	$44,000	$0	60	28	$44,000	$54,804	$25,575	$426
WW007	Well	Well No.7			1988	19	$41,000	$0	60	41	$41,000	$51,068	$34,896	$582
WW008	Well	Well No.1A			1973	34	$0	$0	60	26	$0	$0	$0	$0
WW009	Well	Well No.8			Decomisioned									
WW010	Well	Aviation Park Well			2005	2	$48,000	$0	60	58	$48,000	$59,787	$57,794	$963
WP001	Pipe		111.9	150	1995	12	$220	$0	60	48	$24,618	$30,663	$24,530	$409
WP002	Pipe		101.1	200	1985	22	$295	$0	60	38	$29,825	$37,148	$23,527	$392
WP003	Pipe		101.2	200	1985	22	$295	$0	60	38	$29,854	$37,185	$23,550	$393
WP004	Pipe		101.1	200	1985	22	$295	$0	60	38	$29,825	$37,148	$23,527	$392
WP005	Pipe		96.4	200	1985	22	$295	$0	60	38	$28,438	$35,421	$22,433	$374
WP006	Pipe		87.2	150	1985	22	$220	$0	60	38	$19,184	$23,895	$15,133	$252
WP007	Pipe		11.5	150	1985	22	$220	$0	60	38	$2,530	$3,151	$1,996	$33
WP008	Pipe		16.6	100	1985	22	$150	$0	60	38	$2,490	$3,101	$1,964	$33
WP009	Pipe		174.6	100	2002	5	$150	$0	60	55	$26,190	$32,621	$29,903	$498
WP010	Pipe		92.1	150	2002	5	$220	$0	60	55	$20,262	$25,237	$23,134	$386
WP011	Pipe		101.1	200	1985	22	$295	$0	60	38	$29,825	$37,148	$23,527	$392
WP012	Pipe		8.2	200	1985	22	$295	$0	60	38	$2,419	$3,013	$1,908	$32
WP013	Pipe		544.5	80	1983	24	$125	$0	60	36	$68,063	$84,776	$50,865	$848
WP014	Pipe		180.9	63	2003	4	$105	$0	60	56	$18,995	$23,659	$22,081	$368
WP015	Pipe		92.9	100	2003	4	$150	$0	60	56	$13,935	$17,357	$16,200	$270
WP016	Pipe		211.2	200	1970	37	$295	$0	60	23	$62,304	$77,603	$29,748	$496
WP017	Pipe		115.1	200	1970	37	$295	$0	60	23	$33,955	$42,292	$16,212	$270
WP018	Pipe		101	200	1970	37	$295	$0	60	23	$29,795	$37,111	$14,226	$237
WP019	Pipe		77.6	200	1970	37	$295	$0	60	23	$22,892	$28,513	$10,930	$182
WP020	Pipe		42.1	200	1985	22	$295	$0	60	38	$12,420	$15,469	$9,797	$163
WP021	Pipe		65.6	200	2002	5	$295	$0	60	55	$19,352	$24,104	$22,095	$368
WP022	Pipe		4.1	200	2002	5	$295	$0	60	55	$1,210	$1,506	$1,381	$23
WP023	Pipe		93.4	200	1978	29	$295	$0	60	31	$27,553	$34,319	$17,731	$296
WP024	Pipe		71.6	150	2002	5	$220	$0	60	55	$15,752	$19,620	$17,985	$300
WP025	Pipe		66.1	150	1950	57	$220	$0	60	3	$14,542	$18,113	$906	$15
WP026	Pipe		104	150	1950	57	$220	$0	60	3	$22,880	$28,498	$1,425	$24
WP027	Pipe		4.3	150	1950	57	$220	$0	60	3	$946	$1,178	$59	$1
WP028	Pipe		74.6	150	1950	57	$220	$0	60	3	$16,412	$20,442	$1,022	$17
WP029	Pipe		97.3	150	1950	57	$220	$0	60	3	$21,406	$26,662	$1,333	$22
WP030	Pipe		20	200	1950	57	$295	$0	60	3	$5,900	$7,349	$367	$6
WP031	Pipe		42	200	1964	43	$295	$0	60	17	$12,390	$15,432	$4,373	$73
WP032	Pipe		87.7	200	1964	43	$295	$0	60	17	$25,872	$32,224	$9,130	$152
WP033	Pipe		32.6	200	1964	43	$295	$0	60	17	$9,617	$11,979	$3,394	$57
WP034	Pipe		90.8	250	1970	37	$380	$0	60	23	$34,504	$42,977	$16,474	$275

VALUATION OF WATER ASSETS

Asset ID	Asset Category	Asset Description	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual % RC	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
WP035	Pipe		127.4	250	1964	43	$380	$0	60	17	$48,412	$60,300	$17,085	$285
WP036	Pipe		121.9	250	1964	43	$380	$0	60	17	$46,322	$57,697	$16,347	$272
WP037	Pipe		117	250	1964	43	$380	$0	60	17	$44,460	$55,377	$15,690	$262
WP038	Pipe		83.8	250	1964	43	$380	$0	60	17	$31,844	$39,663	$11,238	$187
WP039	Pipe		52.7	100	1964	43	$150	$0	60	17	$7,905	$9,846	$2,790	$46
WP040	Pipe		239.2	150	1940	67	$220	$0	69	2	$52,624	$65,546	$2,185	$36
WP041	Pipe		16.2	150	1940	67	$220	$0	69	2	$3,564	$4,439	$148	$2
WP042	Pipe		12.1	150	1940	67	$220	$0	69	2	$2,662	$3,316	$111	$2
WP043	Pipe		121.6	150	1940	67	$220	$0	69	2	$26,752	$33,321	$1,111	$19
No record	Pipe													
WP045	Pipe		11	150	1940	67	$220	$0	69	2	$2,420	$3,014	$100	$2
WP046	Pipe		67.9	150	1940	67	$220	$0	69	2	$14,938	$18,606	$620	$10
WP047	Pipe		22.4	150	1940	67	$220	$0	69	2	$4,928	$6,138	$205	$3
WP048	Pipe		109.2	150	1940	67	$220	$0	69	2	$24,024	$29,923	$997	$17
WP049	Pipe		71	150	1958	49	$220	$0	60	11	$15,620	$19,456	$3,567	$59
WP050	Pipe		176.4	150	1958	49	$220	$0	60	11	$38,808	$48,338	$8,862	$148
WP051	Pipe		67.8	150	1958	49	$220	$0	60	11	$14,916	$18,579	$3,406	$57
WP052	Pipe		136.4	150	1958	49	$220	$0	60	11	$30,008	$37,377	$6,852	$114
WP053	Pipe		21.9	150	1964	43	$220	$0	60	17	$4,818	$6,001	$1,700	$28
WP054	Pipe		12.4	150	1964	43	$220	$0	60	17	$2,728	$3,398	$963	$16
WP055	Pipe		279.3	100	Abandoned									
WP056	Pipe		30.3	150	1970	37	$220	$0	60	23	$6,666	$8,303	$3,183	$53
WP057	Pipe		130.8	100	1970	37	$150	$0	60	23	$19,620	$24,438	$9,368	$156
WP058	Pipe	MISSING	39.5	150	1980	27	$220	$0	60	33	$8,690	$10,824	$5,953	$99
WP059	Pipe	MISSING	8.9	150	1980	27	$220	$0	60	33	$1,958	$2,439	$1,341	$22
WP060	Pipe		15.3	150	1970	37	$220	$0	60	23	$3,366	$4,193	$1,607	$27
WP061	Pipe		192.5	150	1970	37	$220	$0	60	23	$42,350	$52,749	$20,221	$337
WP062	Pipe		19.9	150	1970	37	$220	$0	60	23	$4,378	$5,453	$2,090	$35
WP063	Pipe		376.5	150	1993	14	$220	$0	60	46	$82,830	$103,169	$79,096	$1,318
WP064	Pipe		13.4	200	1958	49	$295	$0	60	11	$3,953	$4,924	$903	$15
WP065	Pipe		52.7	100	1958	49	$150	$0	60	11	$7,905	$9,846	$1,805	$30
WP066	Pipe		12.8	150	1958	49	$220	$0	60	11	$2,816	$3,507	$643	$11
WP067	Pipe		132.6	150	1997	10	$220	$0	60	50	$29,172	$36,335	$30,279	$505
WP068	Pipe		106.9	150	1997	10	$220	$0	60	50	$23,518	$29,293	$24,411	$407
WP069	Pipe		139.2	150	1997	10	$220	$0	60	50	$30,624	$38,144	$31,787	$530
WP070	Pipe		153.1	150	2005	2	$220	$0	60	58	$33,682	$41,953	$40,554	$676
WP071	Pipe		29.2	100	2005	2	$150	$0	60	58	$4,380	$5,456	$5,274	$88
WP072	Pipe		4.2	100	1997	10	$150	$0	60	50	$630	$785	$654	$11
WP073	Pipe		36.7	100	2005	2	$150	$0	60	58	$5,505	$6,857	$6,628	$110
WP074	Pipe		6.7	100	1997	10	$150	$0	60	50	$1,005	$1,252	$1,043	$17
WP075	Pipe		12.8	100	1997	10	$150	$0	60	50	$1,920	$2,391	$1,993	$33
WP076	Pipe		12.3	100	1997	10	$150	$0	60	50	$1,845	$2,298	$1,915	$32
WP077	Pipe		59.8	100	1997	10	$150	$0	60	50	$8,970	$11,173	$9,311	$155
WP078	Pipe		7	100	2005	2	$150	$0	60	58	$1,050	$1,308	$1,264	$21
WP079	Pipe		11.4	100	2005	2	$150	$0	60	58	$1,710	$2,130	$2,059	$34
WP080	Pipe		301	150	1970	37	$220	$0	60	23	$66,220	$82,481	$31,618	$527
WP081	Pipe		47.5	150	1970	37	$220	$0	60	23	$10,450	$13,016	$4,989	$83

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Asset ID	Asset Category	Asset Description	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual % RC	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
WP082	Pipe		77.3	150	1970	37	$220	$0	60	23	$17,006	$21,182	$8,120	$135
WP083	Pipe		30.7	250	1970	37	$380	$0	60	23	$11,666	$14,531	$5,570	$93
WP084	Pipe		84.9	250	1970	37	$380	$0	60	23	$32,262	$40,184	$15,404	$257
WP085	Pipe		130.8	250	1970	37	$380	$0	60	23	$49,704	$61,909	$23,732	$396
WP086	Pipe		159	250	1970	37	$380	$0	60	23	$60,420	$75,256	$28,848	$481
WP087	Pipe		40.3	250	1970	37	$380	$0	60	23	$15,314	$19,074	$7,312	$122
WP088	Pipe		71.1	250	1970	37	$380	$0	60	23	$27,018	$33,652	$12,900	$215
WP089	Pipe		153.3	250	1970	37	$380	$0	60	23	$58,254	$72,559	$27,814	$464
WP090	Pipe		145.1	250	1970	37	$380	$0	60	23	$55,138	$68,677	$26,326	$439
WP091	Pipe		133.5	250	1970	37	$380	$0	60	23	$50,730	$63,187	$24,222	$404
WP092	Pipe		24.4	100	1972	35	$150	$0	60	25	$3,660	$4,559	$1,899	$32
WP093	Pipe		135.8	100	1972	35	$150	$0	60	25	$20,370	$25,372	$10,572	$176
WP094	Pipe		134	100	1972	35	$150	$0	60	25	$20,100	$25,036	$10,432	$174
WP095	Pipe		74	100	1972	35	$150	$0	60	25	$11,100	$13,826	$5,761	$96
WP096	Pipe		73.4	100	1972	35	$150	$0	60	25	$11,010	$13,714	$5,714	$95
WP097	Pipe		210	150	1990	17	$220	$0	60	43	$46,200	$57,545	$41,240	$687
WP098	Pipe		108	150	1977	30	$220	$0	60	30	$23,760	$29,594	$14,797	$247
WP099	Pipe		16.9	150	1977	30	$220	$0	60	30	$3,718	$4,631	$2,315	$39
WP100	Pipe		15.7	100	1977	30	$150	$0	60	30	$2,355	$2,933	$1,467	$24
WP101	Pipe		102.1	200	2001	6	$295	$0	60	54	$30,120	$37,516	$33,764	$563
WP102	Pipe		98.4	200	2001	6	$295	$0	60	54	$29,028	$36,156	$32,540	$542
WP103	Pipe		101	200	2001	6	$295	$0	60	54	$29,795	$37,111	$33,400	$557
WP104	Pipe		101.5	200	2001	6	$295	$0	60	54	$29,943	$37,295	$33,566	$559
WP105	Pipe		92.3	200	2001	6	$295	$0	60	54	$27,229	$33,915	$30,523	$509
WP106	Pipe		92.8	200	2001	6	$295	$0	60	54	$27,376	$34,098	$30,688	$511
WP107	Pipe		91.8	200	2001	6	$295	$0	60	54	$27,081	$33,731	$30,358	$506
WP108	Pipe		118.6	200	2001	6	$295	$0	60	54	$34,987	$43,578	$39,220	$654
WP109	Pipe		139.4	200	2001	6	$295	$0	60	54	$41,123	$51,221	$46,099	$768
WP110	Pipe		70.9	200	1975	32	$295	$0	60	28	$20,916	$26,051	$12,157	$203
WP111	Pipe		102.2	200	1975	32	$295	$0	60	28	$30,149	$37,552	$17,524	$292
WP112	Pipe		108.6	200	1975	32	$295	$0	60	28	$32,037	$39,904	$18,622	$310
WP113	Pipe		106.3	200	1975	32	$295	$0	60	28	$31,359	$39,059	$18,227	$304
WP114	Pipe		86.5	200	1975	32	$295	$0	60	28	$25,518	$31,783	$14,832	$247
WP115	Pipe		5.4	200	1975	32	$295	$0	60	28	$1,593	$1,984	$926	$15
WP116	Pipe		140.6	200	2004	3	$295	$0	60	57	$41,477	$51,662	$49,079	$818
WP117	Pipe		51.7	200	2004	3	$295	$0	60	57	$15,252	$18,997	$18,047	$301
WP118	Pipe		19.1	150	1975	32	$220	$0	60	28	$4,202	$5,234	$2,442	$41
WP119	Pipe		324.9	150	1975	32	$220	$0	60	28	$71,478	$89,030	$41,547	$692
WP120	Pipe		3.1	150	1975	32	$220	$0	60	28	$682	$849	$396	$7
WP121	Pipe		3.2	150	1975	32	$220	$0	60	28	$704	$877	$409	$7
WP122	Pipe		60.2	150	1975	32	$220	$0	60	28	$13,244	$16,496	$7,698	$128
WP123	Pipe		78.1	150	1975	32	$220	$0	60	28	$17,182	$21,401	$9,987	$166
WP124	Pipe		75	150	1975	32	$220	$0	60	28	$16,500	$20,552	$9,591	$160
WP125	Pipe		80.8	150	1975	32	$220	$0	60	28	$17,776	$22,141	$10,332	$172
WP126	Pipe		139.9	150	1975	32	$220	$0	60	28	$30,778	$38,336	$17,890	$298
WP127	Pipe		3.5	150	1975	32	$220	$0	60	28	$770	$959	$448	$7
WP128	Pipe		5.2	150	1975	32	$220	$0	60	28	$1,144	$1,425	$665	$11

VALUATION OF WATER ASSETS

Asset ID	Asset Category	Asset Description	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual % RC	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
WP129	Pipe		4.2	150	1975	32	$220	$0	60	28	$924	$1,151	$537	$9
WP130	Pipe		8.5	150	1975	32	$220	$0	60	28	$1,870	$2,329	$1,087	$18
WP131	Pipe		8.5	150	1975	32	$220	$0	60	28	$1,870	$2,329	$1,087	$18
WP132	Pipe		53.1	150	1975	32	$220	$0	60	28	$11,682	$14,551	$6,790	$113
WP133	Pipe		160.2	150	1975	32	$220	$0	60	28	$35,244	$43,898	$20,486	$341
WP134	Pipe		11.2	150	1987	20	$220	$0	60	40	$2,464	$3,069	$2,046	$34
WP135	Pipe		96.3	150	1987	20	$220	$0	60	40	$21,186	$26,388	$17,592	$293
WP136	Pipe		17.8	150	1975	32	$220	$0	60	28	$3,916	$4,878	$2,276	$38
WP137	Pipe		50	150	1975	32	$220	$0	60	28	$11,000	$13,701	$6,394	$107
WP138	Pipe		0.6	150	1975	32	$220	$0	60	28	$132	$164	$77	$1
WP139	Pipe		91.3	150	1975	32	$220	$0	60	28	$20,086	$25,018	$11,675	$195
WP140	Pipe		83.9	150	1975	32	$220	$0	60	28	$18,458	$22,990	$10,729	$179
WP141	Pipe		155	150	1975	32	$220	$0	60	28	$34,100	$42,473	$19,821	$330
WP142	Pipe		47	150	1975	32	$220	$0	60	28	$10,340	$12,879	$6,010	$100
WP143	Pipe		35.3	250	1970	37	$380	$0	60	23	$13,414	$16,708	$6,405	$107
WP144	Pipe		90.7	150	1976	31	$220	$0	60	29	$19,954	$24,854	$12,013	$200
WP145	Pipe		12.7	100	1976	31	$150	$0	60	29	$1,905	$2,373	$1,147	$19
WP146	Pipe		116.5	100	1976	31	$150	$0	60	29	$17,475	$21,766	$10,520	$175
WP147	Pipe		17.7	100	1976	31	$150	$0	60	29	$2,655	$3,307	$1,598	$27
WP148	Pipe	MISSING	23.4	100	1980	27	$150	$0	60	33	$3,510	$4,372	$2,405	$40
WP149	Pipe		41.9	150	1970	37	$220	$0	60	23	$9,218	$11,482	$4,401	$73
WP150	Pipe		27.3	150	1987	20	$220	$0	60	40	$6,006	$7,481	$4,987	$83
WP151	Pipe		98	150	1987	20	$220	$0	60	40	$21,560	$26,854	$17,903	$298
WP152	Pipe		7.2	50	1987	20	$90	$0	60	40	$648	$807	$538	$9
WP153	Pipe		22.6	100	1987	20	$150	$0	60	40	$3,390	$4,222	$2,815	$47
WP154	Pipe		149.3	150	1975	32	$220	$0	60	28	$32,846	$40,912	$19,092	$318
WP155	Pipe		98.1	150	1975	32	$220	$0	60	28	$21,582	$26,882	$12,545	$209
WP156	Pipe		111	150	1975	32	$220	$0	60	28	$24,420	$30,416	$14,194	$237
WP157	Pipe		298.6	150	1975	32	$220	$0	60	28	$65,692	$81,823	$38,184	$636
WP158	Pipe		24.9	100	1970	37	$150	$0	60	23	$3,735	$4,652	$1,783	$30
WP159	Pipe		182.4	50	1985	22	$90	$0	60	38	$16,416	$20,447	$12,950	$216
WP160	Pipe		88.5	40	1997	10	$80	$0	60	50	$7,080	$8,819	$7,349	$122
WP161	Pipe		126.5	32	1997	10	$75	$0	60	50	$9,488	$11,817	$9,848	$164
WP162	Pipe		226.4	32	1980	27	$75	$0	60	33	$16,980	$21,150	$11,632	$194
WP163	Pipe		181.4	40	2001	6	$80	$0	60	54	$14,512	$18,075	$16,268	$271
WP164	Pipe		17.2	40	2006	1	$80	$0	60	59	$1,376	$1,714	$1,685	$28
WP165	Pipe		337.1	125	2003	4	$185	$0	60	56	$62,364	$77,677	$72,499	$1,208
WP166	Pipe		58	40	2004	3	$80	$0	60	57	$4,640	$5,779	$5,490	$92
WP167	Pipe		153.5	40	2003	4	$80	$0	60	56	$12,280	$15,295	$14,276	$238
WP168	Pipe		8	100	2005	2	$150	$0	60	58	$1,200	$1,495	$1,445	$24
WP169	Pipe		65.4	150	2006	1	$220	$0	60	59	$14,388	$17,921	$17,622	$294
WP170	Pipe		86.3	250	2006	1	$380	$0	60	59	$32,794	$40,847	$40,166	$669
WP171	Pipe		92.2	250	2006	1	$380	$0	60	59	$35,036	$43,639	$42,912	$715
WP172	Pipe		14.5	150	2002	5	$220	$0	60	55	$3,190	$3,973	$3,642	$61
WP173	Pipe		20.4	100	1985	22	$150	$0	60	38	$3,060	$3,811	$2,414	$40
WP174	Pipe		115.8	150	Redundant									
WP175	Pipe		17	150	Redundant									

VALUATION OF WATER ASSETS

Asset ID	Asset Category	Asset Description	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual % RC	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
FH001	Fire Hydrant			150	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH002	Fire Hydrant			250	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH003	Fire Hydrant			250	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH004	Fire Hydrant			250	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH005	Fire Hydrant			200	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH006	Fire Hydrant			200	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH007	Fire Hydrant			200	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH008	Fire Hydrant			200	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH009	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH010	Fire Hydrant			150	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH011	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH012	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH013	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH014	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH015	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH016	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH017	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH018	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH019	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH021	Fire Hydrant			250	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH022	Fire Hydrant			100	1976	31	$3,000	$0	60	29	$3,000	$3,737	$1,806	$30
FH023	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH024	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH025	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH026	Fire Hydrant			150	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH027	Fire Hydrant			150	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH028	Fire Hydrant			150	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH029	Fire Hydrant			150	1987	20	$3,000	$0	60	40	$3,000	$3,737	$2,491	$42
FH030	Fire Hydrant			150	1987	20	$3,000	$0	60	40	$3,000	$3,737	$2,491	$42
FH031	Fire Hydrant			250	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH032	Fire Hydrant			150	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH033	Fire Hydrant			150	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH041	Fire Hydrant			250	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH042	Fire Hydrant			250	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH043	Fire Hydrant			100	1972	35	$3,000	$0	60	25	$3,000	$3,737	$1,557	$26
FH044	Fire Hydrant			100	1972	35	$3,000	$0	60	25	$3,000	$3,737	$1,557	$26
FH045	Fire Hydrant			100	1972	35	$3,000	$0	60	25	$3,000	$3,737	$1,557	$26
FH046	Fire Hydrant			100	1972	35	$3,000	$0	60	25	$3,000	$3,737	$1,557	$26
FH049	Fire Hydrant			150	1997	10	$3,000	$0	60	50	$3,000	$3,737	$3,114	$52
FH050	Fire Hydrant			150	1997	10	$3,000	$0	60	50	$3,000	$3,737	$3,114	$52
FH051	Fire Hydrant			150	1997	10	$3,000	$0	60	50	$3,000	$3,737	$3,114	$52
FH052	Fire Hydrant			150	1997	10	$3,000	$0	60	50	$3,000	$3,737	$3,114	$52
FH053	Fire Hydrant			150	1997	10	$3,000	$0	60	50	$3,000	$3,737	$3,114	$52
FH054	Fire Hydrant			150	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH055	Fire Hydrant			150	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH056	Fire Hydrant			150	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29

VALUATION OF WATER ASSETS

Asset ID	Asset Category	Asset Description	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual % RC	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
FH057	Fire Hydrant			150	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH058	Fire Hydrant			150	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH059	Fire Hydrant			150	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH060	Fire Hydrant			150	1987	20	$3,000	$0	60	40	$3,000	$3,737	$2,491	$42
FH061	Fire Hydrant			250	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH062	Fire Hydrant			250	1964	43	$3,000	$0	60	17	$3,000	$3,737	$1,059	$18
FH063	Fire Hydrant			150	1940	67	$3,000	$0	69	2	$3,000	$3,737	$125	$2
FH064	Fire Hydrant			250	1964	43	$3,000	$0	60	17	$3,000	$3,737	$1,059	$18
FH065	Fire Hydrant			150	1940	67	$3,000	$0	69	2	$3,000	$3,737	$125	$2
FH066	Fire Hydrant			150	1940	67	$3,000	$0	69	2	$3,000	$3,737	$125	$2
FH067	Fire Hydrant			200	1964	43	$3,000	$0	60	17	$3,000	$3,737	$1,059	$18
FH068	Fire Hydrant			200	1964	43	$3,000	$0	60	17	$3,000	$3,737	$1,059	$18
FH069	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH070	Fire Hydrant			150	1940	67	$3,000	$0	69	2	$3,000	$3,737	$125	$2
FH071	Fire Hydrant			150	1940	67	$3,000	$0	69	2	$3,000	$3,737	$125	$2
FH072	Fire Hydrant			150	1940	67	$3,000	$0	69	2	$3,000	$3,737	$125	$2
FH073	Fire Hydrant			150	1978	29	$3,000	$0	60	31	$3,000	$3,737	$1,931	$32
FH074	Fire Hydrant			250	1964	43	$3,000	$0	60	17	$3,000	$3,737	$1,059	$18
FH075	Fire Hydrant			250	1964	43	$3,000	$0	60	17	$3,000	$3,737	$1,059	$18
FH076	Fire Hydrant			250	1964	43	$3,000	$0	60	17	$3,000	$3,737	$1,059	$18
FH077	Fire Hydrant			150	1993	14	$3,000	$0	60	46	$3,000	$3,737	$2,865	$48
FH078	Fire Hydrant			150	1958	49	$3,000	$0	60	11	$3,000	$3,737	$685	$11
FH079	Fire Hydrant			150	1958	49	$3,000	$0	60	11	$3,000	$3,737	$685	$11
FH081	Fire Hydrant			150	1950	57	$3,000	$0	60	3	$3,000	$3,737	$187	$3
FH082	Fire Hydrant			150	1950	57	$3,000	$0	60	3	$3,000	$3,737	$187	$3
FH083	Fire Hydrant			200	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH084	Fire Hydrant			150	1950	57	$3,000	$0	60	3	$3,000	$3,737	$187	$3
FH085	Fire Hydrant			150	1950	57	$3,000	$0	60	3	$3,000	$3,737	$187	$3
FH087	Fire Hydrant			200	2002	5	$3,000	$0	60	55	$3,000	$3,737	$3,425	$57
FH090	Fire Hydrant			200	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH091	Fire Hydrant			200	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH092	Fire Hydrant			200	1970	37	$3,000	$0	60	23	$3,000	$3,737	$1,432	$24
FH093	Fire Hydrant			200	1985	22	$3,000	$0	60	38	$3,000	$3,737	$2,367	$39
FH094	Fire Hydrant			200	1985	22	$3,000	$0	60	38	$3,000	$3,737	$2,367	$39
FH095	Fire Hydrant			200	1985	22	$3,000	$0	60	38	$3,000	$3,737	$2,367	$39
FH096	Fire Hydrant			200	1985	22	$3,000	$0	60	38	$3,000	$3,737	$2,367	$39
FH097	Fire Hydrant			150	1985	22	$3,000	$0	60	38	$3,000	$3,737	$2,367	$39
FH098	Fire Hydrant			200	1985	22	$3,000	$0	60	38	$3,000	$3,737	$2,367	$39
FH099	Fire Hydrant			150	1995	12	$3,000	$0	60	48	$3,000	$3,737	$2,989	$50
FH100	Fire Hydrant			80	1983	24	$3,000	$0	60	36	$3,000	$3,737	$2,242	$37
FH101	Fire Hydrant			200	1995	12	$3,000	$0	60	48	$3,000	$3,737	$2,989	$50
FH102	Fire Hydrant			150	2002	5	$3,000	$0	60	55	$3,000	$3,737	$3,425	$57
FH103	Fire Hydrant			200	2001	6	$3,000	$0	60	54	$3,000	$3,737	$3,363	$56
FH104	Fire Hydrant			200	2001	6	$3,000	$0	60	54	$3,000	$3,737	$3,363	$56
FH105	Fire Hydrant			200	2001	6	$3,000	$0	60	54	$3,000	$3,737	$3,363	$56
FH106	Fire Hydrant			200	2001	6	$3,000	$0	60	54	$3,000	$3,737	$3,363	$56
FH107	Fire Hydrant			200	2001	6	$3,000	$0	60	54	$3,000	$3,737	$3,363	$56

VALUATION OF WATER ASSETS

Asset ID	Asset Category	Asset Description	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual % RC	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
FH108	Fire Hydrant			200	2001	6	$3,000	$0	60	54	$3,000	$3,737	$3,363	$56
FH109	Fire Hydrant			200	2001	6	$3,000	$0	60	54	$3,000	$3,737	$3,363	$56
FH110	Fire Hydrant			100	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH111	Fire Hydrant			100	1975	32	$3,000	$0	60	28	$3,000	$3,737	$1,744	$29
FH112	Fire Hydrant			150	1958	49	$3,000	$0	60	11	$3,000	$3,737	$685	$11
FH113	Fire Hydrant			150	1990	17	$3,000	$0	60	43	$3,000	$3,737	$2,678	$45
FH114	Fire Hydrant			150	1990	17	$3,000	$0	60	43	$3,000	$3,737	$2,678	$45
FH115	Fire Hydrant			100	1976	31	$3,000	$0	60	29	$3,000	$3,737	$1,806	$30
FH116	Fire Hydrant			100	1976	31	$3,000	$0	60	29	$3,000	$3,737	$1,806	$30
FH117	Fire Hydrant	MISSING		150	2005	2	$3,000	$0	60	58	$3,000	$3,737	$3,612	$60
FH118	Fire Hydrant	MISSING		150	2005	2	$3,000	$0	60	58	$3,000	$3,737	$3,612	$60
FH119	Fire Hydrant	MISSING		150	2005	2	$3,000	$0	60	58	$3,000	$3,737	$3,612	$60
FH120	Fire Hydrant	MISSING		150	2005	2	$3,000	$0	60	58	$3,000	$3,737	$3,612	$60
FH121	Fire Hydrant	MISSING		150	2005	2	$3,000	$0	60	58	$3,000	$3,737	$3,612	$60
FH122	Fire Hydrant	MISSING		150	2005	2	$3,000	$0	60	58	$3,000	$3,737	$3,612	$60
FH123	Fire Hydrant	MISSING		150	2005	2	$3,000	$0	60	58	$3,000	$3,737	$3,612	$60
FH124	Fire Hydrant	MISSING		150	2005	2	$3,000	$0	60	58	$3,000	$3,737	$3,612	$60
FH125	Fire Hydrant	MISSING		150	2005	2	$3,000	$0	60	58	$3,000	$3,737	$3,612	$60
WV001	Valve			50	1985	22	$500	$0	60	38	$500	$623	$394	$7
WV002	Valve			50	1985	22	$500	$0	60	38	$500	$623	$394	$7
WV003	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV004	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV005	Valve			100	1975	32	$1,000	$0	60	28	$1,000	$1,246	$581	$10
WV006	Valve			150	1987	20	$1,500	$0	60	40	$1,500	$1,868	$1,246	$21
WV007	Valve			100	1987	20	$1,000	$0	60	40	$1,000	$1,246	$830	$14
WV008	Valve			150	1987	20	$1,500	$0	60	40	$1,500	$1,868	$1,246	$21
WV009	Valve			50	1987	20	$500	$0	60	40	$500	$623	$415	$7
WV010	Valve			250	1965	42	$4,000	$0	60	18	$4,000	$4,982	$1,495	$25
WV011	Valve			250	1965	42	$4,000	$0	60	18	$4,000	$4,982	$1,495	$25
WV012	Valve			250	1964	43	$4,000	$0	60	17	$4,000	$4,982	$1,412	$24
WV013	Valve			150	1940	67	$1,500	$0	69	2	$1,500	$1,868	$62	$1
WV014	Valve			150	1940	67	$1,500	$0	69	2	$1,500	$1,868	$62	$1
WV015	Valve			150	1940	67	$1,500	$0	69	2	$1,500	$1,868	$62	$1
WV016	Valve			250	1964	43	$4,000	$0	60	17	$4,000	$4,982	$1,412	$24
WV017	Valve			250	1984	23	$4,000	$0	60	37	$4,000	$4,982	$3,072	$51
WV018	Valve			250	1984	23	$4,000	$0	60	37	$4,000	$4,982	$3,072	$51
WV019	Valve			250	1970	37	$4,000	$0	60	23	$4,000	$4,982	$1,910	$32
WV020	Valve			200	1964	43	$2,500	$0	60	17	$2,500	$3,114	$882	$15
WV021	Valve			200	1964	43	$2,500	$0	60	17	$2,500	$3,114	$882	$15
WV022	Valve			200	1964	43	$2,500	$0	60	17	$2,500	$3,114	$882	$15
WV023	Valve			200	1964	43	$2,500	$0	60	17	$2,500	$3,114	$882	$15
WV024	Valve			150	1950	57	$1,500	$0	60	3	$1,500	$1,868	$93	$2
WV025	Valve			200	1970	37	$2,500	$0	60	23	$2,500	$3,114	$1,194	$20
WV026	Valve			150	1950	57	$1,500	$0	60	3	$1,500	$1,868	$93	$2
WV027	Valve			200	2002	5	$2,500	$0	60	55	$2,500	$3,114	$2,854	$48

VALUATION OF WATER ASSETS

Asset ID	Asset Category	Asset Description	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual % RC	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
WV028	Valve			150	1940	67	$1,500	$0	69	2	$1,500	$1,868	$62	$1
WV029	Valve			200	2002	5	$2,500	$0	60	55	$2,500	$3,114	$2,854	$48
WV030	Valve			150	1940	67	$1,500	$0	69	2	$1,500	$1,868	$62	$1
WV031	Valve			150	1940	67	$1,500	$0	69	2	$1,500	$1,868	$62	$1
WV032	Valve			150	1958	49	$1,500	$0	60	11	$1,500	$1,868	$343	$6
WV033	Valve			150	1958	49	$1,500	$0	60	11	$1,500	$1,868	$343	$6
WV034	Valve			150	1958	49	$1,500	$0	60	11	$1,500	$1,868	$343	$6
WV035	Valve			100	1958	49	$1,000	$0	60	11	$1,000	$1,246	$228	$4
WV036	Valve			150	1958	49	$1,500	$0	60	11	$1,500	$1,868	$343	$6
WV037	Valve			150	1958	49	$1,500	$0	60	11	$1,500	$1,868	$343	$6
WV038	Valve			150	1958	49	$1,500	$0	60	11	$1,500	$1,868	$343	$6
WV039	Valve			150	1970	37	$1,500	$0	60	23	$1,500	$1,868	$716	$12
WV040	Valve			150	1958	49	$1,500	$0	60	11	$1,500	$1,868	$343	$6
WV041	Valve			150	1958	49	$1,500	$0	60	11	$1,500	$1,868	$343	$6
WV042	Valve			150	1958	49	$1,500	$0	60	11	$1,500	$1,868	$343	$6
WV043	Valve			150	1970	37	$1,500	$0	60	23	$1,500	$1,868	$716	$12
WV044	Valve			150	1958	49	$1,500	$0	60	11	$1,500	$1,868	$343	$6
WV045	Valve			150	1970	37	$1,500	$0	60	23	$1,500	$1,868	$716	$12
WV046	Valve			150	1970	37	$1,500	$0	60	23	$1,500	$1,868	$716	$12
WV047	Valve			150	1970	37	$1,500	$0	60	23	$1,500	$1,868	$716	$12
WV048	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV049	Valve			250	1975	32	$4,000	$0	60	28	$4,000	$4,982	$2,325	$39
WV050	Valve			250	1975	32	$4,000	$0	60	28	$4,000	$4,982	$2,325	$39
WV051	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV052	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV053	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV054	Valve			100	1975	32	$1,000	$0	60	28	$1,000	$1,246	$581	$10
WV055	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV056	Valve			1560	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV057	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV058	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV059	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV060	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV061	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV062	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV063	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV064	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV065	Valve			150	1975	32	$1,500	$0	60	28	$1,500	$1,868	$872	$15
WV066	Valve			200	1975	32	$2,500	$0	60	28	$2,500	$3,114	$1,453	$24
WV067	Valve			200	1975	32	$2,500	$0	60	28	$2,500	$3,114	$1,453	$24
WV068	Valve			200	1975	32	$2,500	$0	60	28	$2,500	$3,114	$1,453	$24
WV069	Valve			250	1970	37	$4,000	$0	60	23	$4,000	$4,982	$1,910	$32
WV070	Valve			250	1976	31	$4,000	$0	60	29	$4,000	$4,982	$2,408	$40
WV071	Valve			150	1976	31	$1,500	$0	60	29	$1,500	$1,868	$903	$15
WV072	Valve			150	1976	31	$1,500	$0	60	29	$1,500	$1,868	$903	$15
WV073	Valve			100	1976	31	$1,000	$0	60	29	$1,000	$1,246	$602	$10

VALUATION OF WATER ASSETS

Asset ID	Asset Category	Asset Description	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual % RC	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
WV074	Valve			100	1976	31	$1,000	$0	60	29	$1,000	$1,246	$602	$10
WV075	Valve			100	1972	35	$1,000	$0	60	25	$1,000	$1,246	$519	$9
WV076	Valve			100	1972	35	$1,000	$0	60	25	$1,000	$1,246	$519	$9
WV077	Valve			100	1972	35	$1,000	$0	60	25	$1,000	$1,246	$519	$9
WV078	Valve			150	1970	37	$1,500	$0	60	23	$1,500	$1,868	$716	$12
WV079	Valve			200	1985	22	$2,500	$0	60	38	$2,500	$3,114	$1,972	$33
WV080	Valve			200	1970	37	$2,500	$0	60	23	$2,500	$3,114	$1,194	$20
WV081	Valve			250	1970	37	$4,000	$0	60	23	$4,000	$4,982	$1,910	$32
WV082	Valve			250	1970	37	$4,000	$0	60	23	$4,000	$4,982	$1,910	$32
WV083	Valve			150	1990	17	$1,500	$0	60	43	$1,500	$1,868	$1,339	$22
WV084	Valve			150	1990	17	$1,500	$0	60	43	$1,500	$1,868	$1,339	$22
WV085	Valve			250	1970	37	$4,000	$0	60	23	$4,000	$4,982	$1,910	$32
WV086	Valve			250	1970	37	$4,000	$0	60	23	$4,000	$4,982	$1,910	$32
WV087	Valve			250	1970	37	$4,000	$0	60	23	$4,000	$4,982	$1,910	$32
WV088	Valve			250	1970	37	$4,000	$0	60	23	$4,000	$4,982	$1,910	$32
WV089	Valve			200	2001	6	$2,500	$0	60	54	$2,500	$3,114	$2,802	$47
WV090	Valve			200	2001	6	$2,500	$0	60	54	$2,500	$3,114	$2,802	$47
WV091	Valve			200	2001	6	$2,500	$0	60	54	$2,500	$3,114	$2,802	$47
WV092	Valve			200	2001	6	$2,500	$0	60	54	$2,500	$3,114	$2,802	$47
WV093	Valve			200	2001	6	$2,500	$0	60	54	$2,500	$3,114	$2,802	$47
WV094	Valve			200	2001	6	$2,500	$0	60	54	$2,500	$3,114	$2,802	$47
WV095	Valve			200	1970	37	$2,500	$0	60	23	$2,500	$3,114	$1,194	$20
WV096	Valve			200	1970	37	$2,500	$0	60	23	$2,500	$3,114	$1,194	$20
WV097	Valve			80	1983	24	$750	$0	60	36	$750	$934	$560	$9
WV098	Valve			200	1985	22	$2,500	$0	60	38	$2,500	$3,114	$1,972	$33
WV099	Valve			200	1985	22	$2,500	$0	60	38	$2,500	$3,114	$1,972	$33
WV100	Valve			200	1985	22	$2,500	$0	60	38	$2,500	$3,114	$1,972	$33
WV101	Valve			150	2002	5	$1,500	$0	60	55	$1,500	$1,868	$1,713	$29
WV102	Valve			150	2002	5	$1,500	$0	60	55	$1,500	$1,868	$1,713	$29
WV103	Valve			150	1985	22	$1,500	$0	60	38	$1,500	$1,868	$1,183	$20
WV104	Valve			150	1985	22	$1,500	$0	60	38	$1,500	$1,868	$1,183	$20
WV105	Valve			150	1985	22	$1,500	$0	60	38	$1,500	$1,868	$1,183	$20
WV106	Valve			150	1995	12	$1,500	$0	60	48	$1,500	$1,868	$1,495	$25
WV107	Valve			200	1995	12	$2,500	$0	60	48	$2,500	$3,114	$2,491	$42
WV108	Valve			200	2001	6	$2,500	$0	60	54	$2,500	$3,114	$2,802	$47
WV109	Valve			200	1985	22	$2,500	$0	60	38	$2,500	$3,114	$1,972	$33
WV110	Valve			100	2005	2	$1,000	$0	60	58	$1,000	$1,246	$1,204	$20
WV111	Valve			100	2005	2	$1,000	$0	60	58	$1,000	$1,246	$1,204	$20
WV112	Valve			100	2005	2	$1,000	$0	60	58	$1,000	$1,246	$1,204	$20
WV113	Valve			100	2005	2	$1,000	$0	60	58	$1,000	$1,246	$1,204	$20
WV114	Valve			200	2005	2	$2,500	$0	60	58	$2,500	$3,114	$3,010	$50
WV115	Valve			200	2005	2	$2,500	$0	60	58	$2,500	$3,114	$3,010	$50
WV116	Valve			200	2005	2	$2,500	$0	60	58	$2,500	$3,114	$3,010	$50
WV117	Valve			50	2005	2	$500	$0	60	58	$500	$623	$602	$10
WV118	Valve			150	2005	2	$1,500	$0	60	58	$1,500	$1,868	$1,806	$30
WV119	Valve			150	2005	2	$1,500	$0	60	58	$1,500	$1,868	$1,806	$30

VALUATION OF WATER ASSETS

Asset ID	Asset Category	Asset Description	Length (m)	Diameter (mm)	Built (Year)	Age (Years)	Unit Rate	Residual % RC	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
WV120	Valve			150	2005	2	$1,500	$0	60	58	$1,500	$1,868	$1,806	$30
WV121	Valve			150	2005	2	$1,500	$0	60	58	$1,500	$1,868	$1,806	$30
WV122	Valve			150	2005	2	$1,500	$0	60	58	$1,500	$1,868	$1,806	$30
WV123	Valve			150	2005	2	$1,500	$0	60	58	$1,500	$1,868	$1,806	$30
WV124	Valve			150	2005	2	$1,500	$0	60	58	$1,500	$1,868	$1,806	$30
WV125	Valve			150	2005	2	$1,500	$0	60	58	$1,500	$1,868	$1,806	$30
WV126	Valve			150	2005	2	$1,500	$0	60	58	$1,500	$1,868	$1,806	$30
WV127	Valve			250	2005	2	$4,000	$0	60	58	$4,000	$4,982	$4,816	$80
WV128	Valve			250	2005	2	$4,000	$0	60	58	$4,000	$4,982	$4,816	$80
WV129	Valve			250	2005	2	$4,000	$0	60	58	$4,000	$4,982	$4,816	$80
WV130	Valve			250	2005	2	$4,000	$0	60	58	$4,000	$4,982	$4,816	$80
WV131	Valve			250	2005	2	$4,000	$0	60	58	$4,000	$4,982	$4,816	$80
WV132	Valve			100	2005	2	$1,000	$0	60	58	$1,000	$1,246	$1,204	$20
WV133	Valve			100	2005	2	$1,000	$0	60	58	$1,000	$1,246	$1,204	$20
WV134	Valve			250	2005	2	$4,000	$0	60	58	$4,000	$4,982	$4,816	$80
WV135	Valve			250	2005	2	$4,000	$0	60	58	$4,000	$4,982	$4,816	$80
WV136	Valve			250	2005	2	$4,000	$0	60	58	$4,000	$4,982	$4,816	$80
WV137	Valve			250	2005	2	$4,000	$0	60	58	$4,000	$4,982	$4,816	$80
WV138	Valve			250	2005	2	$4,000	$0	60	58	$4,000	$4,982	$4,816	$80
WV139	Valve			250	2005	2	$4,000	$0	60	58	$4,000	$4,982	$4,816	$80
WV140	Valve			150	2005	2	$1,500	$0	60	58	$1,500	$1,868	$1,806	$30
MP001	Metering Point			150	1975	32	$0	$0	60	28	$0	$0	$0	$0
MP002	Metering Point			150	1940	67	$0	$0	69	2	$0	$0	$0	$0
MP003	Metering Point			150	1950	57	$0	$0	60	3	$0	$0	$0	$0
MP004	Metering Point			150	1940	67	$0	$0	69	2	$0	$0	$0	$0
MP005	Metering Point			150	1975	32	$0	$0	60	28	$0	$0	$0	$0
MP006	Metering Point			150	1975	32	$0	$0	60	28	$0	$0	$0	$0
MP007	Metering Point			200	1970	37	$0	$0	60	23	$0	$0	$0	$0
MP008	Metering Point			200	2005	2	$0	$0	60	58	$0	$0	$0	$0
WT001	Water Tank			No Record										
FT001	Fire Tank				2005	2	$37,000	$0	60	58	$37,000	$46,086	$44,549	$742
												$5,443,296	$2,968,635	$49,477

VALUATION OF ELECTRICAL ASSETS

Asset ID	Asset Category	Asset Description	Reference	Length (m)	Size (mm^2)	Built (Year)	Age (Years)	Unit Rate	Residual % RC	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
HVC	11 kV Cable			2200		1998	9	$300	$0	45	36	$660,000	$822,067	$657,653	$14,615
HVT09	Transformer	ABB 11kV/400V	Carpark Well Water Kiosk (Transformer T1)			1998	9	$16,600	$0	45	36	$16,600	$20,676	$16,541	$368
HVSW09	High Voltage Switchgear	Magnefix 2K1T	Carpark Well Water Kiosk (Magnefix Unit T1)			1998	9	$700	$0	45	36	$700	$872	$698	$16
HVSUB01	High Voltage Substation	Full Kiosk	Carpark Well Water Substation			1998	9	$4,233	$0	45	36	$4,233	$5,272	$4,218	$94
DG01	Diesel Generator	320kVA	Power Station No. 5 Deisel Generator			1977	30	$127,000	$0	50	20	$127,000	$158,186	$63,274	$1,265
B1	Submains	NS/PVC	Terminal Carpark: DB:C to DB:Booth 1	17	10	1997	10	$2,148	$0	45	35	$2,148	$2,676	$2,081	$46
B2	Submains	NS/PVC	Terminal Carpark: DB:C to DB:Booth 2	20	10	1997	10	$2,527	$0	45	35	$2,527	$3,148	$2,448	$54
CMW	Submains	Cu. XLPE/PVC + 70mm² ECC	Terminal Carpark: T/X T1 to MCC:CMW	6	120	1998	9	$758	$0	45	36	$758	$944	$755	$17
L1	Submains	NS/PVC	Terminal Carpark: DB:C to CL1	94	10	1997	10	$11,878	$0	45	35	$11,878	$14,795	$11,507	$256
L2	Submains	NS/PVC	Terminal Carpark: DB:C to CL2	256	10	1997	10	$32,349	$0	45	35	$32,349	$40,293	$31,339	$696
L3	Submains	NS/PVC	Terminal Carpark: DB:C to CL3	224	10	1997	10	$28,306	$0	45	35	$28,306	$35,256	$27,422	$609
L4	Submains	NS/PVC	Terminal Carpark: DB:C to CL4	130	6	1997	10	$16,427	$0	45	35	$16,427	$20,461	$15,914	$354
L5	Submains	NS/PVC	Terminal Carpark: DB:C to CL5	220	10	1997	10	$27,800	$0	45	35	$27,800	$34,627	$26,932	$598
P	Submains	Neutral Screened	Terminal Carpark: MSB:3 to DB:P	230	70	1998	9	$24,581	$0	45	36	$24,581	$30,617	$24,494	$544
PB	Submains	NS/XLPE	Terminal Carpark: T/X T1 to PILLAR BOX	240	50	2000	7	$80,629	$0	45	38	$80,629	$100,428	$84,805	$1,885
RC	Submains	NS/PVC	Terminal Carpark: PILLAR BOX to DB:RC	5	10	2000	7	$221	$0	45	38	$221	$275	$232	$5
C	Submains	NS/PVC	Terminal Carpark: MSB:5 to DB:C	3	35	1997	10	$379	$0	45	35	$379	$472	$367	$8
CL1	Low Voltage Switchboard	Link Box	Car Park Long Term Entry			1997	10	$1,187	$0	45	35	$1,187	$1,479	$1,150	$26
CL2	Low Voltage Switchboard	Link Box	Car Park Medium Term Entry No. 1			1997	10	$1,732	$0	45	35	$1,732	$2,158	$1,678	$37
CL3	Low Voltage Switchboard	Link Box	Car Park Medium Term Entry No. 2			1997	10	$1,187	$0	45	35	$1,187	$1,479	$1,150	$26
CL4	Low Voltage Switchboard	Link Box	Car Park International Coach Entry / Exit			1997	10	$1,187	$0	45	35	$1,187	$1,479	$1,150	$26
CL5	Low Voltage Switchboard	Link Box	Car Park Temporary Staff			1997	10	$1,187	$0	45	35	$1,187	$1,479	$1,150	$26
DB:Booth1	Low Voltage Switchboard	Distribution Board	Car Park Toll Booth No. 1			1997	10	$2,934	$0	45	35	$2,934	$3,654	$2,842	$63
DB:Booth2	Low Voltage Switchboard	Distribution Board	Car Park Toll Booth No. 2			1997	10	$2,934	$0	45	35	$2,934	$3,654	$2,842	$63
DB:C	Low Voltage Switchboard	Switchboard	Car Park Power Centre No. 5			1997	10	$3,842	$0	45	35	$3,842	$4,785	$3,722	$83
DB:P	Low Voltage Switchboard	Distribution Board	Car Park Police Station			1997	10	$2,096	$0	45	35	$2,096	$2,610	$2,030	$45
DB:RC	Low Voltage Switchboard		Car Park Avis Rental Car Booth			1997	10	$12,700	$0	45	35	$12,700	$15,819	$12,303	$273
MCC:CMW	Low Voltage Switchboard	MCC	Car Park Well Water Pumps Switchroom			1997	10	$19,050	$0	45	35	$19,050	$23,728	$18,455	$410
MSB:5	Low Voltage Switchboard	Switchboard	Power Station No.5			1996	11	$19,050	$0	45	34	$19,050	$23,728	$17,928	$398
													$1,377,116	$1,037,083	$22,906

VALUATION OF SIGNS LIGHTS AND PAVEMENT MARKINGS

		Landside	Carparks		Airside		
		Roads		Roads	R'way/T'Ways	Aprons	Total
Area of Pavement	m2	21535.9	58281.9	76798.7	558900	217900	933416.5
Asset	Life (yrs)			Unit Cost Rate $/m2			
Signs	10	3	3	3	2.5	2.5	
Markings	3	2.75	2.75	2.75	2.5	2.5	
Lights	30	3.5	3.5	3.5	2.5	4	
Asset	Life (yrs)			2007 Replacement Cost			
Signs	10	64607.7	174845.7	230396.1	1397250	544750	2411849.5
Markings	3	59223.725	160275.225	211196.425	1397250	544750	2372695.4
Lights	30	75375.65	203986.65	268795.45	1397250	871600	2817007.8
Asset	Life (yrs)			2007 Depreciated Replacement Cost			
Signs	10	32303.85	87422.85	115198.05	698625	272375	1205924.8
Markings	3	29611.8625	80137.6125	105598.2125	698625	272375	1186347.7
Lights	30	37687.825	101993.325	134397.725	698625	435800	1408503.9
Asset	Life (yrs)			2007 Annual Depreciation			
Signs	10	6460.77	17484.57	23039.61	139725	54475	241184.95
Markings	3	19741.24167	53425.075	70398.80833	465750	181583.333	790898.46
Lights	30	2512.521667	6799.555	8959.848333	46575	29053.3333	93900.258

Asset		Rep Cost	Dep Rep Cost	Ann Depn
Signs		2,411,850	1,205,925	241,185
Markings		2,372,695	1,186,348	790,898
Lights		2,817,008	1,408,504	93,900
	Total	7,601,553	3,800,776	1,125,984

VALUATION OF FENCE AND GATE ASSETS

Asset Category	Quantity	Length (m)	Built (Year)	Location	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
Fences		46850	1999	LS	8	$85	0%	15	7	$3,982,250	$4,960,113	$2,314,719	$154,315
Security Fences		16300	1999	AS	8	$105	0%	15	7	$1,711,500	$2,131,768	$994,825	$66,322
Gates	204		1999	LS	8	$1,000	0%	15	7	$204,000	$254,093	$118,577	$7,905
Gates	49		1999	AS	8	$1,000	0%	15	7	$49,000	$61,032	$28,482	$1,899
Security Gates	22		1999	AS	8	$14,000	0%	15	7	$308,000	$383,631	$179,028	$11,935
Hi-tech Security Gates	3		2007	AS	0	$143,981	0%	15	15	$431,944	$538,010	$538,010	$35,867
Security Software			2007	AS	0	$17,000	0%	15	15	$17,000	$21,174	$21,174	$1,412
Security Hardware			2007	AS	0	$368,594	0%	15	15	$368,594	$459,104	$459,104	$30,607
Security Electrical			2007	AS	0	$225,794	0%	15	15	$225,794	$281,239	$281,239	$18,749
Security Cameras			2007	AS	0	$72,986	0%	15	15	$72,986	$90,908	$90,908	$6,061
											$9,181,073	$5,026,066	$335,071

VALUATION OF BULIDING AND STRUCTURE ASSETS

Asset Category	Area (m^2)	Built (Year)	Age (Years)	Unit Rate	Residual Value (% of RC)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement Cost ($)	Annual Depreciation ($)
Water Tower		1940	67	$200,000	0%	80	13	$200,000	$249,111	$40,481	$506
Swimming Pool		1940	67	$0	0%	80	13	$0	$0	$0	$0
Sewer Disposal Bunker	32.5	1983	24	$0	0%	50	26	$0	$0	$0	$0
Radar Bunker	150	1968	39	$0	0%	50	11	$0	$0	$0	$0
Sign Gantry		2006	1	$70,000	0%	15	14	$70,000	$87,189	$81,376	$5,425
									$336,300	$121,857	$5,931

VALUATION OF CARRIAGEWAYS

Asset ID	Asset Category	Construction Material	Road	Side	Total Area (m^2)	Built (Year)			Replacement Cost ($)			Gross Replacement Cost ($)			Optimised Depreciated Replacement Cost ($)			Annual Depreciation ($)	
						Formation	Base Course	Surface	Formation	Base Course	Surface	Formation	Base Course	Surface	Formation	Base Course	Surface	Base Course	Surface
SC001	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	9246	1975	1975	1975	$46,230	$203,412	$46,230	$57,582	$253,361	$57,582	$57,582	$131,748	$26,872	$3,800	$864
SC002	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	109	1975	1975	1975	$545	$2,398	$545	$679	$2,987	$679	$679	$1,553	$317	$45	$10
SC003	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	2429.7	1970	1970	1970	$12,149	$53,453	$12,149	$15,132	$66,579	$15,132	$15,132	$29,628	$5,800	$999	$227
SC004	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	3501.1	1970	1970	1970	$17,506	$77,024	$17,506	$21,804	$95,938	$21,804	$21,804	$42,692	$8,358	$1,439	$327
SC005	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	1109.3	1970	1970	1970	$5,547	$24,405	$5,547	$6,908	$30,397	$6,908	$6,908	$13,527	$2,648	$456	$104
SC006	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	914.3	1970	1970	1970	$4,572	$20,115	$4,572	$5,694	$25,054	$5,694	$5,694	$11,149	$2,183	$376	$85
SC007	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	51	1980	1980	1980	$255	$1,122	$255	$318	$1,398	$318	$318	$832	$175	$21	$5
SC008	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Car Park	CP	4020.5	1982	1982	1982	$20,103	$88,451	$20,103	$25,039	$110,171	$25,039	$25,039	$18,362	$14,606	$3,672	$376
SC009	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Car Park	CP	109.1	1982	1982	1982	$546	$2,400	$546	$679	$2,990	$679	$679	$498	$396	$100	$10
SC010	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	LS	2081.4	1990	1990	1990	$10,407	$45,791	$10,407	$12,962	$57,035	$12,962	$12,962	$42,491	$9,290	$856	$194
SC011	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Other	LS	9149.6	2001	2001	2001	$45,748	$201,291	$45,748	$56,982	$250,719	$56,982	$56,982	$228,155	$51,283	$3,761	$855
SC012	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	LS	931.6	1985	1985	1985	$4,658	$20,495	$4,658	$5,802	$25,528	$5,802	$5,802	$17,104	$3,674	$383	$87
SC013	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	678.6	1993	1993	1993	$3,393	$14,929	$3,393	$4,226	$18,595	$4,226	$4,226	$14,690	$3,240	$279	$63
SC014	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	LS	1473.7	1995	1995	1995	$7,369	$32,421	$7,369	$9,178	$40,383	$9,178	$9,178	$33,114	$7,342	$606	$138
SC015	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	LS	1156	1995	1995	1995	$5,780	$25,432	$5,780	$7,199	$31,677	$7,199	$7,199	$25,975	$5,759	$475	$108
SC016	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Other	LS	1848.2	2002	2002	2002	$9,241	$40,660	$9,241	$11,510	$50,645	$11,510	$11,510	$46,846	$10,551	$760	$173
SC017	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	1480.9	1995	1995	1995	$7,405	$32,580	$7,405	$9,223	$40,580	$9,223	$9,223	$33,276	$7,378	$609	$138
SC018	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Secondary	AS	2936.1	1973	1973	1973	$14,681	$58,722	$14,681	$18,285	$73,141	$18,285	$18,285	$35,839	$7,924	$1,097	$274
SC019	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Secondary	AS	1221.2	1940	1940	1940	$6,106	$24,424	$6,106	$7,605	$30,421	$7,605	$7,605	$3,836	$220	$397	$99
SC020	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Secondary	AS	2129.2	1940	1940	1940	$10,646	$42,584	$10,646	$13,260	$53,041	$13,260	$13,260	$6,688	$384	$692	$173
SC025	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Secondary	AS	1807.4	1940	1940	1940	$9,037	$36,148	$9,037	$11,256	$45,024	$11,256	$11,256	$5,677	$326	$587	$147
SC027	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Secondary	AS	125.6	1940	1940	1940	$628	$2,512	$628	$782	$3,129	$782	$782	$395	$23	$41	$10
SC028	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Secondary	LS	2263.7	1940	1940	1965	$11,319	$45,274	$11,319	$14,098	$56,391	$14,098	$14,098	$7,110	$4,229	$736	$211
SC029	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	111.9	1940	1940	1940	$560	$2,462	$560	$697	$3,066	$697	$697	$387	$20	$40	$9
SC030	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	41.6	1940	1940	1940	$208	$915	$208	$259	$1,140	$259	$259	$144	$8	$15	$3
SC031	Sealed Carriageway	Asphaltic Pavement	Terminal	AS	3280.2	1940	1940	1997	$16,401	$82,005	$49,203	$20,428	$102,142	$61,285	$20,428	$12,879	$51,071	$1,332	$919
SC032	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Car Park	AS	501.1	1940	1940	1997	$2,506	$11,024	$2,506	$3,121	$13,731	$3,121	$3,121	$1,731	$2,601	$179	$47
SC033	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Car Park	AS	160.1	1997	1997	1997	$801	$3,522	$801	$997	$4,387	$997	$997	$1,755	$831	$263	$15
SC034	Sealed Carriageway	Asphaltic Pavement	Terminal	AS	58.1	1940	1940	1997	$291	$1,453	$872	$362	$1,809	$1,086	$362	$228	$905	$24	$16
SC035	Sealed Carriageway	Asphaltic Pavement	Terminal	AS	55.3	1940	1940	1997	$277	$1,383	$830	$344	$1,722	$1,033	$344	$217	$861	$22	$15
SC036	Sealed Carriageway	Asphaltic Pavement	Terminal	AS	83.9	1987	1987	1987	$420	$2,098	$1,259	$523	$2,613	$1,568	$523	$475	$1,045	$107	$24
SC037	Sealed Carriageway	Asphaltic Pavement	Terminal	AS	12.7	1940	1940	2000	$64	$318	$191	$79	$395	$237	$79	$50	$210	$5	$4
SC038	Sealed Carriageway	Asphaltic Pavement	Terminal	AS	4228.1	1940	1940	1997	$21,141	$105,703	$63,422	$26,332	$131,658	$78,995	$26,332	$16,600	$65,829	$1,717	$1,185
SC039	Sealed Carriageway	Asphaltic Pavement	Terminal	AS	46.9	1997	1997	1997	$235	$1,173	$704	$292	$1,460	$876	$292	$584	$730	$88	$13
SC040	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Car Park	AS	6685.3	1960	1960	1979	$33,427	$147,077	$33,427	$41,635	$183,192	$41,635	$41,635	$25,049	$22,205	$3,365	$625
SC041	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Car Park	AS	14394.1	1960	1960	1979	$71,971	$316,670	$71,971	$89,643	$394,430	$89,643	$89,643	$53,932	$47,810	$7,245	$1,345
SC042	Sealed Carriageway	Asphaltic Pavement	Terminal	AS	2278.6	1969	1969	1997	$11,393	$56,965	$34,179	$14,191	$70,953	$42,572	$14,191	$10,288	$35,477	$1,596	$639
SC043	Sealed Carriageway	Asphaltic Pavement	Car Park	CP	6671.2	1955	1955	1955	$33,356	$146,766	$100,068	$41,547	$182,806	$124,640	$41,547	$24,374	$16,619	$3,047	$1,870
SC044	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Car Park	CP	9759.1	1955	1955	1955	$48,796	$214,700	$48,796	$60,777	$267,421	$60,777	$60,777	$35,656	$8,104	$4,457	$912
SC045	Sealed Carriageway	Asphaltic Pavement	Terminal	AS	1572.2	1969	1969	1997	$7,861	$39,305	$23,583	$9,791	$48,957	$29,374	$9,791	$7,099	$24,478	$1,102	$441
SC047	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	1032.2	1970	1970	1984	$5,161	$22,708	$5,161	$6,428	$28,285	$6,428	$6,428	$12,587	$3,964	$424	$96
SC048	Sealed Carriageway	Asphaltic Pavement	Other	AS	802.7	1970	1970	1996	$4,014	$17,659	$12,041	$4,999	$21,996	$14,997	$4,999	$9,788	$12,248	$330	$225
SC049	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	1026.3	1980	1980	1980	$5,132	$22,579	$5,132	$6,392	$28,123	$6,392	$6,392	$16,733	$3,515	$422	$96
SC050	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	404.3	1997	1997	1997	$2,022	$8,895	$2,022	$2,518	$11,079	$2,518	$2,518	$9,417	$2,098	$166	$38
SC051	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Primary	AS	2622.7	1985	1985	1985	$13,114	$57,699	$13,114	$16,334	$71,868	$16,334	$16,334	$48,151	$10,345	$1,078	$245
SC052	Sealed Carriageway	Asphaltic Pavement	Car Park	CP	3135.3	1997	1997	1997	$15,677	$68,977	$47,030	$19,526	$85,914	$58,578	$19,526	$34,366	$48,815	$5,155	$879
SC053	Sealed Carriageway	Asphaltic Pavement	Terminal	AS	1581.9	1940	1940	2000	$7,910	$39,548	$23,729	$9,852	$49,259	$29,555	$9,852	$6,211	$26,107	$643	$443
SC054	Sealed Carriageway	Asphaltic Pavement	Terminal	AS	440.3	1940	1940	2001	$2,202	$11,008	$6,605	$2,742	$13,710	$8,226	$2,742	$1,729	$7,404	$179	$123
SC055	Sealed Carriageway	Asphaltic Pavement	Terminal	AS	2353.6	1940	1940	2001	$11,768	$58,840	$35,304	$14,658	$73,288	$43,973	$14,658	$9,241	$39,576	$956	$660
SC056	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Car Park	CP	10339.1	1969	1969	1969	$51,696	$227,460	$51,696	$64,390	$283,314	$64,390	$64,390	$41,081	$23,610	$6,375	$966
SC057	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Car Park	CP	7901.2	1987	1987	1987	$39,506	$173,826	$39,506	$49,207	$216,510	$49,207	$49,207	$39,366	$32,805	$8,857	$738
SC058	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Secondary	AS	5126.6	1980	1980	1980	$25,633	$102,532	$25,633	$31,927	$127,709	$31,927	$31,927	$75,987	$17,560	$1,916	$479
SC059	Sealed Carriageway	Chip Seal - 2 Coat 4/5	Car Park	CP	19773.3	2005	2005	1980	$98,867	$435,013	$98,867	$123,144	$541,832	$123,144	$123,144	$476,812	$67,729	$32,510	$1,847
												$979,337	$4,329,954	$1,310,667	$979,337	$1,724,099	$747,557	$105,798	$19,594

VALUATION OF LANDSCAPPING AND GRASS BERMS

Asset ID	Asset Category	Total Area (m^2)	Built (Year)	Unit Rates	Residual Value (% of RC)	Age (Years)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement	Annual Depreciation ($)
GB100	Grass Berm	2.3	1940	10	0%	67	69	2	$23	$29	$1	$0
GB101	Grass Berm	17.4	1940	10	0%	67	69	2	$174	$217	$7	$4
GB102	Grass Berm	147.6	1940	10	0%	67	69	2	$1,476	$1,838	$61	$31
GB103	Grass Berm	23.1	1940	10	0%	67	69	2	$231	$288	$10	$5
GB104	Grass Berm	101.4	1940	10	0%	67	69	2	$1,014	$1,263	$42	$21
GB105	Grass Berm	34.7	1940	10	0%	67	69	2	$347	$432	$14	$7
GB106	Grass Berm	74.7	1940	10	0%	67	69	2	$747	$930	$31	$16
GB107	Grass Berm	21.3	1940	10	0%	67	69	2	$213	$265	$9	$4
GB108	Grass Berm	334.6	1940	10	0%	67	69	2	$3,346	$4,168	$139	$69
GB109	Grass Berm	207.1	1940	10	0%	67	69	2	$2,071	$2,580	$86	$43
GB110	Grass Berm	37.9	1940	10	0%	67	69	2	$379	$472	$16	$8
GB111	Grass Berm	107.6	1940	10	0%	67	69	2	$1,076	$1,340	$45	$22
GB112	Grass Berm	22.6	1997	10	0%	10	60	50	$226	$281	$235	$5
GB113	Grass Berm	75.7	1997	10	0%	10	60	50	$757	$943	$786	$16
GB114	Grass Berm	96.3	1997	10	0%	10	60	50	$963	$1,199	$1,000	$20
GB115	Grass Berm	66.4	1997	10	0%	10	60	50	$664	$827	$689	$14
GB116	Grass Berm	64.5	1997	10	0%	10	60	50	$645	$803	$669	$13
GB117	Grass Berm	855.2	1997	10	0%	10	60	50	$8,552	$10,652	$8,877	$178
GB118	Grass Berm	249.7	1997	10	0%	10	60	50	$2,497	$3,110	$2,592	$52
GB119	Grass Berm	104.2	1997	10	0%	10	60	50	$1,042	$1,298	$1,082	$22
GB120	Grass Berm	11.3	1997	10	0%	10	60	50	$113	$141	$117	$2
GB121	Grass Berm	1011.3	1997	10	0%	10	60	50	$10,113	$12,596	$10,497	$210
GB122	Grass Berm	94.9	1997	10	0%	10	60	50	$949	$1,182	$985	$20
GB123	Grass Berm	1065.7	1997	10	0%	10	60	50	$10,657	$13,274	$11,062	$221
GB124	Grass Berm	15.7	1997	10	0%	10	60	50	$157	$196	$163	$3
GB125	Grass Berm	490.8	1997	10	0%	10	60	50	$4,908	$6,113	$5,094	$102
GB126	Grass Berm	41.1	1997	10	0%	10	60	50	$411	$512	$427	$9
GB127	Grass Berm	107.2	1997	10	0%	10	60	50	$1,072	$1,335	$1,113	$22
GB128	Grass Berm	60	1997	10	0%	10	60	50	$600	$747	$623	$12
GB129	Grass Berm	55.9	1997	10	0%	10	60	50	$559	$696	$580	$12
GB130	Grass Berm	17.4	1997	10	0%	10	60	50	$174	$217	$181	$4
GB131	Grass Berm	91.7	1997	10	0%	10	60	50	$917	$1,142	$952	$19
GB132	Grass Berm	55.1	1997	10	0%	10	60	50	$551	$686	$572	$11
GB133	Grass Berm	55.5	1997	10	0%	10	60	50	$555	$691	$576	$12
GB134	Grass Berm	280.5	1997	10	0%	10	60	50	$2,805	$3,494	$2,911	$58
GB135	Grass Berm	326.8	1997	10	0%	10	60	50	$3,268	$4,070	$3,392	$68
GB136	Grass Berm	107.1	1997	10	0%	10	60	50	$1,071	$1,334	$1,112	$22
GB137	Grass Berm	243.8	1997	10	0%	10	60	50	$2,438	$3,037	$2,531	$51
GB138	Grass Berm	335	1997	10	0%	10	60	50	$3,350	$4,173	$3,477	$70
GB139	Grass Berm	307.9	1997	10	0%	10	60	50	$3,079	$3,835	$3,196	$64
GB140	Grass Berm	80.8	1997	10	0%	10	60	50	$808	$1,006	$839	$17
GB141	Grass Berm	191.6	1997	10	0%	10	60	50	$1,916	$2,386	$1,989	$40
GB142	Grass Berm	119.2	1997	10	0%	10	60	50	$1,192	$1,485	$1,237	$25
GB143	Grass Berm	381.5	1997	10	0%	10	60	50	$3,815	$4,752	$3,960	$79
GB144	Grass Berm	43.6	1997	10	0%	10	60	50	$436	$543	$453	$9
GB146	Grass Berm	1103	1997	10	0%	10	60	50	$11,030	$13,738	$11,449	$229
GB147	Grass Berm	234.3	1997	10	0%	10	60	50	$2,343	$2,918	$2,432	$49
GB148	Grass Berm	452.1	1997	10	0%	10	60	50	$4,521	$5,631	$4,693	$94
GB149	Grass Berm	18.1	1997	10	0%	10	60	50	$181	$225	$188	$4

VALUATION OF LANDSCAPPING AND GRASS BERMS

Asset ID	Asset Category	Total Area (m^2)	Built (Year)	Unit Rates	Residual Value (% of RC)	Age (Years)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement	Annual Depreciation ($)
GB150	Grass Berm	26.5	1997	10	0%	10	60	50	$265	$330	$275	$6
GB151	Grass Berm	355	1997	10	0%	10	60	50	$3,550	$4,422	$3,685	$74
GB152	Grass Berm	25.2	1997	10	0%	10	60	50	$252	$314	$262	$5
GB153	Grass Berm	297.3	1997	10	0%	10	60	50	$2,973	$3,703	$3,086	$62
GB154	Grass Berm	588.9	1997	10	0%	10	60	50	$5,889	$7,335	$6,113	$122
GB155	Grass Berm	82.1	1997	10	0%	10	60	50	$821	$1,023	$852	$17
GB156	Grass Berm	527	1997	10	0%	10	60	50	$5,270	$6,564	$5,470	$109
GB157	Grass Berm	281.4	1997	10	0%	10	60	50	$2,814	$3,505	$2,921	$58
GB158	Grass Berm	333.7	1982	10	0%	25	60	35	$3,337	$4,156	$2,425	$69
GB159	Grass Berm	282.2	2005	10	0%	2	60	58	$2,822	$3,515	$3,398	$59
GB160	Grass Berm		2005	10	0%	2	60	58				
GB161	Grass Berm	163.7	2005	10	0%	2	60	58	$1,637	$2,039	$1,971	$34
					0%					$493,453	$303,164	$8,224

VALUATION OF CHANNELS

Asset ID	Asset Category	Side	Total Length (m)	Built (Year)	Unit Rates	Residual Value (% of RC)	Age (Years)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement	Annual Depreciation ($)
HC001	Heavy Duty Channel	AS	22.7	1980	65	0%	27	15	2	$1,476	$1,838	$245	$123
HC002	Heavy Duty Channel	AS	80.5	1982	65	0%	25	15	2	$5,233	$6,517	$869	$434
HC003	Heavy Duty Channel	AS	22.5	1982	65	0%	25	15	2	$1,463	$1,822	$243	$121
HC004	Heavy Duty Channel	AS	55.8	1970	65	0%	37	15	2	$3,627	$4,518	$602	$301
HC005	Heavy Duty Channel	AS	44.4	1970	65	0%	37	15	2	$2,886	$3,595	$479	$240
HC006	Heavy Duty Channel	CP	12.8	1997	65	0%	10	15	5	$832	$1,036	$345	$69
HC007	Heavy Duty Channel	CP	12.5	1997	65	0%	10	15	5	$813	$1,012	$337	$67
HC008	Heavy Duty Channel	CP	12.7	1997	65	0%	10	15	5	$826	$1,028	$343	$69
HC009	Heavy Duty Channel	CP	13.6	1997	65	0%	10	15	5	$884	$1,101	$367	$73
HC010	Heavy Duty Channel	CP	5.4	1997	65	0%	10	15	5	$351	$437	$146	$29
HC011	Heavy Duty Channel	CP	18.3	1997	65	0%	10	15	5	$1,190	$1,482	$494	$99
HC012	Heavy Duty Channel	CP	26.6	1997	65	0%	10	15	5	$1,729	$2,154	$718	$144
HC013	Heavy Duty Channel	CP	5.1	1997	65	0%	10	15	5	$332	$413	$138	$28
HC014	Heavy Duty Channel	LS	49.3	2005	65	0%	2	15	13	$3,205	$3,991	$3,459	$266
HC015	Heavy Duty Channel	LS	49.3	2005	65	0%	2	15	13	$3,205	$3,991	$3,459	$266
HC016	Heavy Duty Channel	LS	49.5	2005	65	0%	2	15	13	$3,218	$4,008	$3,473	$267
HC017	Heavy Duty Channel	LS	49.8	2005	65	0%	2	15	13	$3,237	$4,032	$3,494	$269
HC018	Heavy Duty Channel	AS	52.3	2005	65	0%	2	15	13	$3,400	$4,234	$3,670	$282
						0%							
VC001	Vee Channel	CP	103.5	1997	50	0%	10	40	30	$5,175	$6,446	$4,834	$161
						0%							
											$53,654	$27,716	$3,308

VALUATION OF KERBS

Asset ID	Asset Category	Side	Total Length (m)	Built (Year)	Unit Rates	Residual Value (% of RC)	Age (Years)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement	Annual Depreciation ($)
KF001	Kerb Flat	AS	316.1	1975	55	0%	32	34	2	$17,386	$21,655	$2,887	$1,444
KF002	Kerb Flat	AS	84.8	1975	55	0%	32	34	2	$4,664	$5,809	$775	$387
KF003	Kerb Flat	AS	309.5	1975	55	0%	32	34	2	$17,023	$21,202	$2,827	$1,413
KF004	Kerb Flat	AS	125.8	1975	55	0%	32	34	2	$6,919	$8,618	$1,149	$575
KF005	Kerb Flat	AS	888	1975	55	0%	32	34	2	$48,840	$60,833	$8,111	$4,056
KF006	Kerb Flat	AS	227.9	1970	55	0%	37	39	2	$12,535	$15,612	$2,082	$1,041
KF007	Kerb Flat	AS	163.8	1970	55	0%	37	39	2	$9,009	$11,221	$1,496	$748
KF008	Kerb Flat	AS	88.6	1997	55	0%	10	15	5	$4,873	$6,070	$2,023	$405
KF009	Kerb Flat	AS	217.8	1980	55	0%	27	29	2	$11,979	$14,921	$1,989	$995
KF010	Kerb Flat	AS	112.1	1982	55	0%	25	27	2	$6,166	$7,679	$1,024	$512
KF011	Kerb Flat	AS	54.8	1970	55	0%	37	39	2	$3,014	$3,754	$501	$250
KF012	Kerb Flat	AS	4.6	1970	55	0%	37	39	2	$253	$315	$42	$21
KF013	Kerb Flat	AS	33.3	1970	55	0%	37	39	2	$1,832	$2,281	$304	$152
KF014	Kerb Flat	AS	273.4	1970	55	0%	37	39	2	$15,037	$18,729	$2,497	$1,249
KF015	Kerb Flat	LS	491.5	1990	55	0%	17	19	2	$27,033	$33,670	$4,489	$2,245
KF016	Kerb Flat	LS	685	2001	55	0%	6	15	9	$37,675	$46,926	$28,156	$3,128
KF017	Kerb Flat	LS	692.4	2001	55	0%	6	15	9	$38,082	$47,433	$28,460	$3,162
KF018	Kerb Flat	AS	27.3	1985	55	0%	22	24	2	$1,502	$1,870	$249	$125
KF019	Kerb Flat	LS	83.5	1985	55	0%	22	24	2	$4,593	$5,720	$763	$381
KF020	Kerb Flat	LS	83.4	1985	55	0%	22	24	2	$4,587	$5,713	$762	$381
KF021	Kerb Flat	AS	127.6	1985	55	0%	22	24	2	$7,018	$8,741	$1,166	$583
KF022	Kerb Flat	AS	144.7	1985	55	0%	22	24	2	$7,959	$9,913	$1,322	$661
KF023	Kerb Flat	AS	54.3	1985	55	0%	22	24	2	$2,987	$3,720	$496	$248
KF024	Kerb Flat	AS	126.3	1995	55	0%	12	15	3	$6,947	$8,652	$1,730	$577
KF025	Kerb Flat	AS	256.4	1993	55	0%	14	16	2	$14,102	$17,565	$2,342	$1,171
KF026	Kerb Flat	AS	55.6	1995	55	0%	12	15	3	$3,058	$3,809	$762	$254
KF027	Kerb Flat	LS	259.4	1995	55	0%	12	15	3	$14,267	$17,770	$3,554	$1,185
KF028	Kerb Flat	LS	224.6	1995	55	0%	12	15	3	$12,353	$15,386	$3,077	$1,026
KF029	Kerb Flat	LS	275.4	2002	55	0%	5	15	10	$15,147	$18,866	$12,578	$1,258
KF030	Kerb Flat	LS	61	1940	55	0%	67	69	2	$3,355	$4,179	$557	$279
KF031	Kerb Flat	LS	117.9	1940	55	0%	67	69	2	$6,485	$8,077	$1,077	$538
KF032	Kerb Flat	AS	19.3	1940	55	0%	67	69	2	$1,062	$1,322	$176	$88
KF033	Kerb Flat	AS	12.4	1940	55	0%	67	69	2	$682	$849	$113	$57
KF034	Kerb Flat	CP	267.8	1997	55	0%	10	15	5	$14,729	$18,346	$6,115	$1,223
KF035	Kerb Flat	CP	78.4	1997	55	0%	10	15	5	$4,312	$5,371	$1,790	$358
KF036	Kerb Flat	CP	92.2	1997	55	0%	10	15	5	$5,071	$6,316	$2,105	$421
KF037	Kerb Flat	CP	135	1997	55	0%	10	15	5	$7,425	$9,248	$3,083	$617
KF038	Kerb Flat	CP	50	1997	55	0%	10	15	5	$2,750	$3,425	$1,142	$228
KF039	Kerb Flat	CP	42.5	1997	55	0%	10	15	5	$2,338	$2,911	$970	$194
KF040	Kerb Flat	CP	92.4	1997	55	0%	10	15	5	$5,082	$6,330	$2,110	$422
KF041	Kerb Flat	CP	188.6	1997	55	0%	10	15	5	$10,373	$12,920	$4,307	$861
KF042	Kerb Flat	CP	34.5	1997	55	0%	10	15	5	$1,898	$2,363	$788	$158
KF043	Kerb Flat	CP	56.3	1997	55	0%	10	15	5	$3,097	$3,857	$1,286	$257
KF044	Kerb Flat	CP	17	1997	55	0%	10	15	5	$935	$1,165	$388	$78
KF045	Kerb Flat	CP	19.9	1997	55	0%	10	15	5	$1,095	$1,363	$454	$91
KF046	Kerb Flat	CP	9.3	1997	55	0%	10	15	5	$512	$637	$212	$42
KF047	Kerb Flat	CP	176.2	1997	55	0%	10	15	5	$9,691	$12,071	$4,024	$805
KF048	Kerb Flat	CP	66.1	1997	55	0%	10	15	5	$3,636	$4,528	$1,509	$302
KF049	Kerb Flat	CP	47.9	1997	55	0%	10	15	5	$2,635	$3,281	$1,094	$219

VALUATION OF KERBS

Asset ID	Asset Category	Side	Total Length (m)	Built (Year)	Unit Rates	Residual Value (% of RC)	Age (Years)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement	Annual Depreciation ($)
KF001	Kerb Flat	AS	316.1	1975	55	0%	32	34	2	$17,386	$21,655	$2,887	$1,444
KF002	Kerb Flat	AS	84.8	1975	55	0%	32	34	2	$4,664	$5,809	$775	$387
KF003	Kerb Flat	AS	309.5	1975	55	0%	32	34	2	$17,023	$21,202	$2,827	$1,413
KF004	Kerb Flat	AS	125.8	1975	55	0%	32	34	2	$6,919	$8,618	$1,149	$575
KF005	Kerb Flat	AS	888	1975	55	0%	32	34	2	$48,840	$60,833	$8,111	$4,056
KF006	Kerb Flat	AS	227.9	1970	55	0%	37	39	2	$12,535	$15,612	$2,082	$1,041
KF007	Kerb Flat	AS	163.8	1970	55	0%	37	39	2	$9,009	$11,221	$1,496	$748
KF008	Kerb Flat	AS	88.6	1997	55	0%	10	15	5	$4,873	$6,070	$2,023	$405
KF009	Kerb Flat	AS	217.8	1980	55	0%	27	29	2	$11,979	$14,921	$1,989	$995
KF010	Kerb Flat	AS	112.1	1982	55	0%	25	27	2	$6,166	$7,679	$1,024	$512
KF011	Kerb Flat	AS	54.8	1970	55	0%	37	39	2	$3,014	$3,754	$501	$250
KF012	Kerb Flat	AS	4.6	1970	55	0%	37	39	2	$253	$315	$42	$21
KF013	Kerb Flat	AS	33.3	1970	55	0%	37	39	2	$1,832	$2,281	$304	$152
KF014	Kerb Flat	AS	273.4	1970	55	0%	37	39	2	$15,037	$18,729	$2,497	$1,249
KF015	Kerb Flat	LS	491.5	1990	55	0%	17	19	2	$27,033	$33,670	$4,489	$2,245
KF016	Kerb Flat	LS	685	2001	55	0%	6	15	9	$37,675	$46,926	$28,156	$3,128
KF017	Kerb Flat	LS	692.4	2001	55	0%	6	15	9	$38,082	$47,433	$28,460	$3,162
KF018	Kerb Flat	AS	27.3	1985	55	0%	22	24	2	$1,502	$1,870	$249	$125
KF019	Kerb Flat	LS	83.5	1985	55	0%	22	24	2	$4,593	$5,720	$763	$381
KF020	Kerb Flat	LS	83.4	1985	55	0%	22	24	2	$4,587	$5,713	$762	$381
KF021	Kerb Flat	AS	127.6	1985	55	0%	22	24	2	$7,018	$8,741	$1,166	$583
KF022	Kerb Flat	AS	144.7	1985	55	0%	22	24	2	$7,959	$9,913	$1,322	$661
KF023	Kerb Flat	AS	54.3	1985	55	0%	22	24	2	$2,987	$3,720	$496	$248
KF024	Kerb Flat	AS	126.3	1995	55	0%	12	15	3	$6,947	$8,652	$1,730	$577
KF025	Kerb Flat	AS	256.4	1993	55	0%	14	16	2	$14,102	$17,565	$2,342	$1,171
KF026	Kerb Flat	AS	55.6	1995	55	0%	12	15	3	$3,058	$3,809	$762	$254
KF027	Kerb Flat	LS	259.4	1995	55	0%	12	15	3	$14,267	$17,770	$3,554	$1,185
KF028	Kerb Flat	LS	224.6	1995	55	0%	12	15	3	$12,353	$15,386	$3,077	$1,026
KF029	Kerb Flat	LS	275.4	2002	55	0%	5	15	10	$15,147	$18,866	$12,578	$1,258
KF030	Kerb Flat	LS	61	1940	55	0%	67	69	2	$3,355	$4,179	$557	$279
KF031	Kerb Flat	LS	117.9	1940	55	0%	67	69	2	$6,485	$8,077	$1,077	$538
KF032	Kerb Flat	AS	19.3	1940	55	0%	67	69	2	$1,062	$1,322	$176	$88
KF034	Kerb Flat	CP	267.8	1997	55	0%	10	15	5	$14,729	$18,346	$6,115	$1,223
KF035	Kerb Flat	CP	78.4	1997	55	0%	10	15	5	$4,312	$5,371	$1,790	$358
KF036	Kerb Flat	CP	92.2	1997	55	0%	10	15	5	$5,071	$6,316	$2,105	$421
KF037	Kerb Flat	CP	135	1997	55	0%	10	15	5	$7,425	$9,248	$3,083	$617
KF038	Kerb Flat	CP	50	1997	55	0%	10	15	5	$2,750	$3,425	$1,142	$228
KF039	Kerb Flat	CP	42.5	1997	55	0%	10	15	5	$2,338	$2,911	$970	$194
KF040	Kerb Flat	CP	92.4	1997	55	0%	10	15	5	$5,082	$6,330	$2,110	$422
KF041	Kerb Flat	CP	188.6	1997	55	0%	10	15	5	$10,373	$12,920	$4,307	$861
KF042	Kerb Flat	CP	34.5	1997	55	0%	10	15	5	$1,898	$2,363	$788	$158
KF043	Kerb Flat	CP	56.3	1997	55	0%	10	15	5	$3,097	$3,857	$1,286	$257
KF044	Kerb Flat	CP	17	1997	55	0%	10	15	5	$935	$1,165	$388	$78
KF045	Kerb Flat	CP	19.9	1997	55	0%	10	15	5	$1,095	$1,363	$454	$91
KF046	Kerb Flat	CP	9.3	1997	55	0%	10	15	5	$512	$637	$212	$42
KF047	Kerb Flat	CP	176.2	1997	55	0%	10	15	5	$9,691	$12,071	$4,024	$805
KF048	Kerb Flat	CP	66.1	1997	55	0%	10	15	5	$3,636	$4,528	$1,509	$302
KF049	Kerb Flat	CP	47.9	1997	55	0%	10	15	5	$2,635	$3,281	$1,094	$219

VALUATION OF KERBS

Asset ID	Asset Category	Side	Total Length (m)	Built (Year)	Unit Rates	Residual Value (% of RC)	Age (Years)	TUL (Years)	Remaining Useful Life (Years)	Replacement Cost ($)	Gross Replacement Cost ($)	Optimised Depreciated Replacement	Annual Depreciation ($)
KN028	Kerb Nib	LS	109.6	1940	45	0%	67	69	2	$4,932	$6,143	$819	$410
KN029	Kerb Nib	LS	203.5	1940	45	0%	67	69	2	$9,158	$11,406	$1,521	$760
KN030	Kerb Nib	LS	11.7	1940	45	0%	67	69	2	$527	$656	$87	$44
KN031	Kerb Nib	LS	24.1	1940	45	0%	67	69	2	$1,085	$1,351	$180	$90
KN032	Kerb Nib	CP	14.5	1997	45	0%	10	15	5	$653	$813	$271	$54
KN033	Kerb Nib	CP	16.7	1997	45	0%	10	15	5	$752	$936	$312	$62
KN034	Kerb Nib	CP	18.4	1997	45	0%	10	15	5	$828	$1,031	$344	$69
KN035	Kerb Nib	CP	4.7	1997	45	0%	10	15	5	$212	$263	$88	$18
KN036	Kerb Nib	CP	3.8	1997	45	0%	10	15	5	$171	$213	$71	$14
KN037	Kerb Nib	CP	5	1997	45	0%	10	15	5	$225	$280	$93	$19
KN038	Kerb Nib	CP	18.3	1997	45	0%	10	15	5	$824	$1,026	$342	$68
KN039	Kerb Nib	CP	43	1997	45	0%	10	15	5	$1,935	$2,410	$803	$161
KN040	Kerb Nib	CP	17.3	1997	45	0%	10	15	5	$779	$970	$323	$65
KN041	Kerb Nib	CP	34.3	1997	45	0%	10	15	5	$1,544	$1,923	$641	$128
KN042	Kerb Nib	CP	1.6	1940	45	0%	67	69	2	$72	$90	$12	$6
KN043	Kerb Nib	CP	1.2	1940	45	0%	67	69	2	$54	$67	$9	$4
KN044	Kerb Nib	CP	13.9	1997	45	0%	10	15	5	$626	$779	$260	$52
KN045	Kerb Nib	CP	11.3	1997	45	0%	10	15	5	$509	$633	$211	$42
KN046	Kerb Nib	CP	150.2	1997	45	0%	10	15	5	$6,759	$8,419	$2,806	$561
KN047	Kerb Nib	CP	170.1	1997	45	0%	10	15	5	$7,655	$9,534	$3,178	$636
KN048	Kerb Nib	CP	32.4	1997	45	0%	10	15	5	$1,458	$1,816	$605	$121
KN049	Kerb Nib	CP	13.9	1997	45	0%	10	15	5	$626	$779	$260	$52
KN050	Kerb Nib	CP	10.4	1997	45	0%	10	15	5	$468	$583	$194	$39
KN051	Kerb Nib	CP	57.6	1997	45	0%	10	15	5	$2,592	$3,228	$1,076	$215
KN052	Kerb Nib	CP	25.2	1997	45	0%	10	15	5	$1,134	$1,412	$471	$94
KN053	Kerb Nib	CP	319.9	1997	45	0%	10	15	5	$14,396	$17,930	$5,977	$1,195
KN054	Kerb Nib	CP	204.8	1997	45	0%	10	15	5	$9,216	$11,479	$3,826	$765
KN055	Kerb Nib	CP	49.5	1997	45	0%	10	15	5	$2,228	$2,774	$925	$185
KN056	Kerb Nib	CP	463.4	1997	45	0%	10	15	5	$20,853	$25,974	$8,658	$1,732
KN057	Kerb Nib	CP	83.7	1997	45	0%	10	15	5	$3,767	$4,691	$1,564	$313
KN058	Kerb Nib	CP	58.8	1997	45	0%	10	15	5	$2,646	$3,296	$1,099	$220
KN059	Kerb Nib	CP	56.3	1997	45	0%	10	15	5	$2,534	$3,156	$1,052	$210
KN060	Kerb Nib	CP	41.3	1997	45	0%	10	15	5	$1,859	$2,315	$772	$154
KN061	Kerb Nib	CP	83.2	1997	45	0%	10	15	5	$3,744	$4,663	$1,554	$311
KN062	Kerb Nib	CP	73.4	1997	45	0%	10	15	5	$3,303	$4,114	$1,371	$274
KN063	Kerb Nib	CP	89	1997	45	0%	10	15	5	$4,005	$4,988	$1,663	$333
KN064	Kerb Nib	CP	223.8	1997	45	0%	10	15	5	$10,071	$12,544	$4,181	$836
KN065	Kerb Nib	CP	309.5	1997	45	0%	10	15	5	$13,928	$17,347	$5,782	$1,156
KN066	Kerb Nib	CP	16.8	1997	45	0%	10	15	5	$756	$942	$314	$63
KN067	Kerb Nib	CP	4.1	1997	45	0%	10	15	5	$185	$230	$77	$15
KN068	Kerb Nib	CP	121.6	1997	45	0%	10	15	5	$5,472	$6,816	$2,272	$454
KN069	Kerb Nib	CP	8.7	1997	45	0%	10	15	5	$392	$488	$163	$33
KN070	Kerb Nib	CP	19	1997	45	0%	10	15	5	$855	$1,065	$355	$71
KN071	Kerb Nib	CP	18.8	1997	45	0%	10	15	5	$846	$1,054	$351	$70
KN072	Kerb Nib	LS	11.2	1997	45	0%	10	15	5	$504	$628	$209	$42
KN073	Kerb Nib	LS	2.9	1997	45	0%	10	15	5	$131	$163	$54	$11
KN074	Kerb Nib	CP	53.9	1997	45	0%	10	15	5	$2,426	$3,021	$1,007	$201
KN075	Kerb Nib	CP	164.3	1997	45	0%	10	15	5	$7,394	$9,209	$3,070	$614
KN076	Kerb Nib	CP	9.5	1997	45	0%	10	15	5	$428	$532	$177	$35
KN077	Kerb Nib	AS	56.5	1970	45	0%	37	39	2	$2,543	$3,167	$422	$211
						0%		15			$1,305,383	$363,701	$87,026

VALUATION OF DRIVES

Asset ID	Asset Category	Side	Total Area (m^2)	Built (Year)			Gross Replacement Cost ($)			Optimised Depreciated Replacement Cost ($)			Annual Depreciation ($)	
				Formation	Base	Surface	Formation	Base	Surface	Formation	Base	Surface	Base	Surface
SD001	Sealed Drive	LS	29	2005	2005	2005	$181	$903	$181	$181	$867	$157	$18	$12
SD002	Sealed Drive	LS	64.8	2005	2005	2005	$404	$2,018	$404	$404	$387	$350	$8	$27
SD003	Sealed Drive	LS	73.3	2005	2005	2005	$456	$2,282	$456	$456	$438	$396	$9	$30
SD004	Sealed Drive	LS	46.2	2005	2005	2005	$288	$1,439	$288	$288	$276	$249	$6	$19
SD005	Sealed Drive	LS	47	2005	2005	2005	$293	$1,464	$293	$293	$281	$254	$6	$20
SD006	Sealed Drive	LS	29.8	2005	2005	2005	$186	$928	$186	$186	$178	$161	$4	$12
SD007	Sealed Drive	LS	54	2005	2005	2005	$336	$1,681	$336	$336	$323	$291	$7	$22
SD008	Sealed Drive	LS	47.7	2005	2005	2005	$297	$1,485	$297	$297	$285	$257	$6	$20
SD009	Sealed Drive	LS	50.7	2005	2005	2005	$316	$1,579	$316	$316	$303	$274	$6	$21
SD010	Sealed Drive	LS	34.7	2005	2005	2005	$216	$1,081	$216	$216	$207	$187	$4	$14
SD011	Sealed Drive	LS	13.8	2005	2005	2005	$86	$430	$86	$86	$83	$74	$2	$6
SD012	Sealed Drive	LS	38.9	2005	2005	2005	$242	$1,211	$242	$242	$233	$210	$5	$16
SD013	Sealed Drive	LS	32.9	2005	2005	2005	$205	$1,024	$205	$205	$197	$178	$4	$14
SD014	Sealed Drive	LS	17.6	2005	2005	2005	$110	$548	$110	$110	$105	$95	$2	$7
SD015	Sealed Drive	LS	26.9	2005	2005	2005	$168	$838	$168	$168	$161	$145	$3	$11
SD016	Sealed Drive	LS	51.6	2005	2005	2005	$321	$1,607	$321	$321	$308	$279	$6	$21
SD017	Sealed Drive	LS	27.4	2005	2005	2005	$171	$853	$171	$171	$164	$148	$3	$11
SD018	Sealed Drive	LS	17.8	2005	2005	2005	$111	$554	$111	$111	$106	$96	$2	$7
SD019	Sealed Drive	LS	31.1	2005	2005	2005	$194	$968	$194	$194	$186	$168	$4	$13
SD020	Sealed Drive	LS	36.7	2005	2005	2005	$229	$1,143	$229	$229	$219	$198	$5	$15
SD021	Sealed Drive	LS	17.3	2005	2005	2005	$108	$539	$108	$108	$103	$93	$2	$7
SD022	Sealed Drive	LS	20.2	2005	2005	2005	$126	$629	$126	$126	$121	$109	$3	$8
SD023	Sealed Drive	LS	58.3	2005	2005	2005	$363	$1,815	$363	$363	$349	$315	$7	$24
SD024	Sealed Drive	LS	164.6	2005	2005	2005	$1,025	$5,125	$1,025	$1,025	$984	$888	$21	$68
SD025	Sealed Drive	LS	84.5	2005	2005	2005	$526	$2,631	$526	$526	$505	$456	$11	$35
SD026	Sealed Drive	LS	30.3	2005	2005	2005	$189	$944	$189	$189	$181	$164	$4	$13
SD027	Sealed Drive	LS	22.1	2005	2005	2005	$138	$688	$138	$138	$132	$119	$3	$9
SD028	Sealed Drive	LS	108.3	2005	2005	2005	$674	$3,372	$674	$674	$647	$585	$13	$45
SD029	Sealed Drive	LS	18.6	2005	2005	2005	$116	$579	$116	$116	$111	$100	$2	$8
SD030	Sealed Drive	LS	40	2005	2005	2005	$249	$1,246	$249	$249	$239	$216	$5	$17
SD031	Sealed Drive	LS	40.6	2005	2005	2005	$253	$1,264	$253	$253	$243	$219	$5	$17
SD032	Sealed Drive	LS	47.7	2005	2005	2005	$297	$1,485	$297	$297	$285	$257	$6	$20
SD033	Sealed Drive	LS	52.6	2005	2005	2005	$328	$1,638	$328	$328	$314	$284	$7	$22
SD034	Sealed Drive	LS	39.2	2005	2005	2005	$244	$1,221	$244	$244	$234	$212	$5	$16
SD035	Sealed Drive	LS	23.1	2005	2005	2005	$144	$719	$144	$144	$138	$125	$3	$10

VALUATION OF DRIVES

Asset ID	Asset Category	Side	Total Area (m^2)	Built (Year)			Gross Replacement Cost ($)			Optimised Depreciated Replacement Cost ($)			Annual Depreciation ($)	
				Formation	Base Course	Surface	Formation	Base Course	Surface	Formation	Base Course	Surface	Base Course	Surface
SD036	Sealed Drive	LS	16.2	2005	2005	2005	$101	$504	$101	$101	$97	$87	$2	$7
SD037	Sealed Drive	LS	27.6	2005	2005	2005	$172	$859	$172	$172	$165	$149	$3	$11
SD038	Sealed Drive	LS	30.6	2005	2005	2005	$191	$953	$191	$191	$183	$165	$4	$13
SD039	Sealed Drive	LS	34.8	2005	2005	2005	$217	$1,084	$217	$217	$208	$188	$4	$14
SD040	Sealed Drive	LS	39	2005	2005	2005	$243	$1,214	$243	$243	$233	$210	$5	$16
SD041	Sealed Drive	LS	68	2005	2005	2005	$423	$2,117	$423	$423	$407	$367	$8	$28
SD042	Sealed Drive	LS	52.5	2005	2005	2005	$327	$1,635	$327	$327	$314	$283	$7	$22
SD043	Sealed Drive	LS	11.1	2005	2005	2005	$69	$346	$69	$69	$66	$60	$1	$5
SD044	Sealed Drive	LS	61.7	2005	2005	2005	$384	$1,921	$384	$384	$369	$333	$8	$26
SD045	Sealed Drive	LS	24.8	2005	2005	2005	$154	$772	$154	$154	$148	$134	$3	$10
SD046	Sealed Drive	LS	11.7	2005	2005	2005	$73	$364	$73	$73	$70	$63	$1	$5
SD047	Sealed Drive	LS	16.5	2005	2005	2005	$103	$514	$103	$103	$99	$89	$2	$7
SD048	Sealed Drive	LS	27.5	2005	2005	2005	$171	$856	$171	$171	$164	$148	$3	$11
SD049	Sealed Drive	LS	22.9	2005	2005	2005	$143	$713	$143	$143	$137	$124	$3	$10
SD050	Sealed Drive	LS	56.5	2005	2005	2005	$352	$1,759	$352	$352	$338	$305	$7	$23
SD051	Sealed Drive	LS	42.4	2005	2005	2005	$264	$1,320	$264	$264	$253	$229	$5	$18
SD052	Sealed Drive	LS	22.9	2005	2005	2005	$143	$713	$143	$143	$137	$124	$3	$10
SD053	Sealed Drive	LS	58.7	2005	2005	2005	$366	$1,828	$366	$366	$351	$317	$7	$24
SD054	Sealed Drive	LS	39.9	2005	2005	2005	$248	$1,242	$248	$248	$239	$215	$5	$17
SD055	Sealed Drive	LS	38.8	2005	2005	2005	$242	$1,208	$242	$242	$232	$209	$5	$16
SD056	Sealed Drive	CP	29.1	2005	2005	2005	$181	$906	$181	$181	$174	$157	$4	$12
SD057	Sealed Drive	LS	40.3	2005	2005	2005	$251	$1,255	$251	$251	$241	$218	$5	$17
SD058	Sealed Drive	LS	46.9	2005	2005	2005	$292	$1,460	$292	$292	$280	$253	$6	$19
SD059	Sealed Drive	LS	84	2005	2005	2005	$523	$2,616	$523	$523	$502	$453	$10	$35
SD060	Sealed Drive	LS	34.8	2005	2005	2005	$217	$1,084	$217	$217	$208	$188	$4	$14
SD061	Sealed Drive	LS	84.2	2005	2005	2005	$524	$2,622	$524	$524	$503	$454	$10	$35
SD062	Sealed Drive	LS	13.4	2005	2005	2005	$83	$417	$83	$83	$80	$72	$2	$6
SD063	Sealed Drive	LS	12.7	2005	2005	2005	$79	$395	$79	$79	$76	$69	$2	$5
UD001	Unsealed Drive	AS	96.1	1970	1970	1970	$598	$2,992	$239	$598	$156	$120	$12	$60
							$16,721	$83,605	$16,362	$16,721	$16,327	$14,093	$349	$1,135

Asset	Gross Rep Cost ($)	Opt Depr Rep Cost ($)	Annual Depn ($)
Sealed Carriageway	$6,620,000	$3,451,000	$125,000
Grass Berm	$493,000	$303,000	$8,000
Channel	$54,000	$28,000	$3,000
Kerb	$1,305,000	$364,000	$87,000
Drive	$117,000	$47,000	$1,000
Path	$257,000	$107,000	$11,000
Total Roading	$8,846,000	4300000	$235,000

Asset	Gross Rep Cost ($)	Opt Depr Rep Cost ($)	Annual Depn ($)
AIR SIDE			
Sealed Carriageway	$3,290,398	$1,572,831	$44,281
Grass Berm	$241,792	$148,550	$4,030
Channel	$22,523	$6,108	$1,502
Kerb	$513,451	$72,549	$34,230
Drive	$3,830	$874	$72
Path	$41,391	$11,498	$1,886
LAND SIDE			
Sealed Carriageway	$747,840	$610,656	$9,341
Grass Berm	$69,083	$42,443	$1,151
Channel	$16,022	$13,886	$1,068
Kerb	$447,387	$172,424	$29,826
Drive	$111,589	$45,754	$1,396
Path	$1,850	$963	$82
CARPARK			
Sealed Carriageway	$2,581,721	$1,267,506	$71,769
Grass Berm	$182,578	$112,171	$3,043
Channel	$15,109	$7,722	$739
Kerb	$366,881	$122,262	$24,459
Drive	$1,269	$512	$16
Path	$213,771	$94,953	$9,501
TOTAL AIR SIDE	$4,113,385	$1,812,410	$86,001
TOTAL LAND SIDE	$1,393,771	$886,125	$42,865
TOTAL CARPARK	$3,361,328	$1,605,126	$109,526

Asset	Gross Rep Cost ($)	Opt Dep Rep Cost ($)	Annual Depn ($)
Roads & Carparks	$6,620,000	$3,451,000	$125,000
Grass Berms	$493,000	$303,000	$8,000
Kerb & Channel	$1,079,000	$365,000	$71,000
Paths & Drives	$374,000	$154,000	$12,000
Artesian Water	$1,366,000	$1,161,000	$19,000
Ducts & Fibre Optics	$1,542,000	$813,000	$18,000
Sewer	$5,414,000	$2,438,000	$41,000
Stormwater	$4,945,000	$3,924,000	$65,000
Water	$5,443,000	$2,969,000	$49,000
Electrical network	$1,377,000	$1,037,000	$23,000
Signs & Markings	$4,785,000	$2,392,000	$1,032,000
Lights	$2,817,000	$1,409,000	$94,000
Fences & Gates	$9,181,000	$5,026,000	$335,000
Misc Build & Stuct	$336,000	$122,000	$6,000
Total	**$45,772,000**	**$25,564,000**	**$1,898,000**

Asset	Gross Rep Cost ($)			Opt Dep Rep Cost ($)			Annual Depn ($)		
	AS	LS	CP	AS	LS	CP	AS	LS	CP
Roads & Carparks	$3,290,398	$747,840	$2,581,721	$1,572,831	$610,656	$1,267,506	$44,281	$9,341	$71,769
Grass Berms	$241,792	$69,083	$182,578	$148,550	$42,443	$112,171	$4,030	$1,151	$3,043
Kerb & Channel	$366,059	$299,290	$413,716	$74,533	$149,278	$140,560	$24,404	$19,953	$27,313
Paths & Drives	$45,221	$113,438	$215,040	$12,371	$46,717	$95,465	$1,958	$1,478	$9,517
Artesian Water			$1,366,000			$1,161,000			$19,000
Ducts & Fibre Optics	$1,079,400	$154,200	$308,400	$569,100	$81,300	$162,600	$12,600	$1,800	$3,600
Sewer	$406,050	$4,872,600	$135,350	$182,850	$2,194,200	$60,950	$3,075	$36,900	$1,025
Stormwater	$2,472,500	$1,483,500	$989,000	$1,962,000	$1,177,200	$784,800	$32,500	$19,500	$13,000
Water	$544,300	$3,810,100	$1,088,600	$296,900	$2,078,300	$593,800	$4,900	$34,300	$9,800
Electrical network	$181,913		$1,195,202	$81,202		$955,881	$1,664		$21,242
Signs & Markings	$4,325,593	$123,831	$335,121	$2,162,796	$61,916	$167,560	$934,972	$26,202	$70,910
Lights	$2,537,645	$75,376	$203,987	$1,268,823	$37,688	$101,993	$84,588	$2,513	$6,800
Fences & Gates	$3,966,867	$5,214,206		$2,592,770	$2,433,296		$172,851	$162,220	
Total	**$15,490,871**	**$11,749,259**	**$9,014,714**	**$8,331,957**	**$6,479,697**	**$5,604,286**	**$1,148,972**	**$153,138**	**$257,017**

The following are the assumptions used:

1. The utilities have been broken up into air side (AS), land side (LS) and car park (CP).
   This was done based on a visual inspection which yeilded the following divisions:

	Proportion		
	AS	LS	CP
Artesian Water	0%	0%	100%
Ducts & Fibre Optics	70%	10%	20%
Sewer	7.5%	90%	2.5%
Stormwater	50%	30%	20%
Water	10%	70%	20%

2. The road was further divided to include a carpark category which includes any asset the is in or around the carpark.
   The AS only includes aprons, taxiways and carriageways (ie doesn't include perimeter road).

3. The distribution of lights, signs and markings into AS, LS and CP were based on the total carriageway areas of each category.

The carparks on the landside were simply included in the landside carriageways and have not been seperated out.

Asset	Gross Rep Cost ($)	Opt Dep Rep Cost ($)	Annual Depn ($)
Roads & Carparks	$6,620,000	$3,451,000	$125,000
Grass Berms	$493,000	$303,000	$8,000
Kerb & Channel	$1,079,000	$365,000	$71,000
Paths & Drives	$374,000	$154,000	$12,000
Artesian Water	$1,366,000	$1,161,000	$19,000
Ducts & Fibre Optics	$1,542,000	$813,000	$18,000
Sewer	$5,414,000	$2,438,000	$41,000
Stormwater	$4,945,000	$3,924,000	$65,000
Water	$5,443,000	$2,969,000	$49,000
Electrical network	$1,377,000	$1,037,000	$23,000
Signs & Markings	$4,785,000	$2,392,000	$1,032,000
Lights	$2,817,000	$1,409,000	$94,000
Fences & Gates	$9,181,000	$5,026,000	$335,000
Total	**$45,436,000**	**$25,442,000**	**$1,892,000**