

Appendix L As-Built Requirements for Parks

L01: Car Park.....2

L02: Judder Bar .....4

L03: Ramp.....6


L04: Track.....8

L05: Terraces.....10

L01: Car Park	As-Built requirements (PRK)		
	Name	Car Park (Outline)	
	Polygon Type	L01 "Polygon Asset Inputs "	
	CAT Column	SAG Attribute Description	Valid Values
	A	Type of Polygon Feature	L01
	B	Leave Blank	Leave Blank
	C	Asset Record Capture Type	Select from pick list: domExistingOrNew
	D	Differs from design (yes/no)	Select from pick list: domDiffersFromDesign
	E	Asset Unique Identifier	data - Text (100 Characters)
	F	Polygon Vertex Easting coordinate	data - Decimal Number (12 Chars, 2 Decimals)
	G	Polygon Vertex Northing coordinate	data - Decimal Number (12 Chars, 2 Decimals)
	H	Order of vertex / point along polygon	data - Number
	I	Date of commission	data - Date (dd/mm/yyyy)
	J	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
	K	Name of main contractor who installed asset	Select from pick list: domInstalledBy
	L	Date of "survey-start"	data - Date (dd/mm/yyyy)
	M	Long Description - explanation, further details, or location within park	data - Text (70 Characters)
	N	Artwork - has it an aspect of creative, aesthetic, or decorative beauty?	Select from pick list: domArtwork
	O	File name of photo	data - Text (50 Characters)
	P	Surface Material	Select from pick list: domSurfaceMaterial
	Q	Surface Function	Select from pick list: domSurfaceFunction
	R	Top Coat Life Cycle	data - Number
	S	Date of first coat	data - Date (dd/mm/yyyy)
	T	Date surface life expires	data - Date (dd/mm/yyyy)
	U	Date last resurfaced	data - Date (dd/mm/yyyy)
	V	Base Course Material	Select from pick list: domBaseCourseMaterial
	W	Base Course Depth in millimeters (mm)	data - Decimal Number (5 Chars, 1 Decimals)
	X	Date Base Course Installed	data - Date (dd/mm/yyyy)
	Y	Base Life Cycle	data - Number
	Z	Date Base Course Life Expires	data - Date (dd/mm/yyyy)
	AA	Kerb Type	Select from pick list: domKerbType
	AB	Kerb Length in meters (m)	data - Decimal Number (6 Chars, 1 Decimals)
	AC	Road Markings	Select from pick list: domRoadMarkings
	AD	Usage Level	Select from pick list: domUsageLevel
	AE	Total Number Of Spaces	data - Number
	AF	Number of Disabled Spaces	data - Number
	AG	Wheel Stops	data - Number
	AH	Vehicle Counters	Select from pick list: domVehicleCounters
	AI	Number of Sumps	data - Number
Additional Information			
*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT See Appendix C.1.2 for a CAT example.			

A dedicated area for parking cars, which includes the driveway, if it terminates at the car park. If the driveway continues through it is considered a Track.

Outline of structure  
X Y



\*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT  
See Appendix C.1.2 for a CAT example.  
Col G: enter number of vertex along outline

All corner points along outline to be surveyed.  
Create one CAT row per surveyed point.

## Car Park (Continued)

## CLASSIFICATION INFORMATION

## 1. Surface Material

What is the car park surface made of? See the definitions section for a full list of materials and their descriptions.

## 2. Kerb Type

- a. **Dish Channel** – Channel cross section forms a segment of a circle.
- b. **Kerb and Channel** – Channel formed by a section of constant fall towards a vertical or near vertical face.
- c. **Kerb Only** Vertical or near vertical face forming a step or kerb with no channel at its base.
- d. **Mountable Kerb Only** – Kerb either with a curved face or a face at 45° or less to the horizontal. This kerb type is able to be driven over.
- e. **No Kerbing** – No kerbing or channels surround the car park area.
- f. **Covered Kerb and Dish** – Deep kerb and dish channel with a cover over the top.
- g. **Kerb and Dish Channel** – Kerb with dish channel at its base.
- h. **Mountable Kerb and Channel** – As per kerb and channel but with a mountable kerb.
- i. **Other** – Other kerb and channel type not mentioned above.

## 3. Kerb Length

What length of car park perimeter has the kerb and channel? All lengths should be in metres.

## 4. Road Markings

Does the car park surface have markings?  
Markings may be painted or formed by paving features.

## 5. Total Number of Spaces

If the car park has marked spaces, how many spaces are there? This includes reserved and disabled spaces.

## 6. Number of Disabled Spaces

If the car park has marked spaces, how many disabled spaces are there?

## 7. Number of Wheel Stops

Wheel stops are kerbs / raised edgings at the front of car park spaces to help prevent cars going forward too far.  
Are wheel stops fitted in the car park, if so how many?

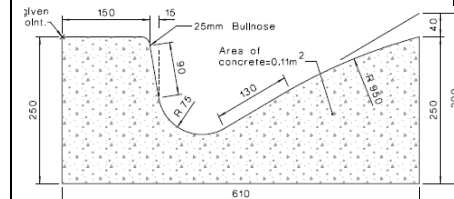
## 8. Vehicle Counters

Are vehicle counters fitted at the car park?

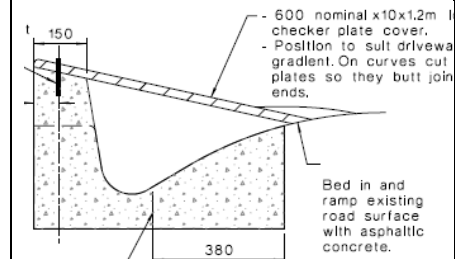
## 9. Number of Sumps

How many storm water sumps (drains) are there in the car park surface??

## ADDITIONAL PHOTOS




Kerb and Dish Channel



Covered Kerb and Dish


## ADDITIONAL COMMENTS

Driveways in parks are included in the car parks grouping.

L02: Judder Bar	As-Built requirements (PRK)		
	Name	Judder Bar (Point)	
	Point Type	L02 "Point Asset Inputs"	
	CAT Column	SAG Attribute Description	Valid Values
	A	Type of Point Feature	L02
	B	Specific type of Judder Bar	Select from pick list: domJudderBarType
	C	Asset Record Capture Type	Select from pick list: domExistingOrNew
	D	Differs from design (yes/no)	Select from pick list: domDiffersFromDesign
	E	Asset Unique Identifier	data - Text (100 Characters)
	F	Centre of Structure in Easting coordinate	data - Decimal Number (12 Chars, 2 Decimals)
	G	Centre of Structure in Northing coordinate	data - Decimal Number (12 Chars, 2 Decimals)
	H	Date of commission	data - Date (dd/mm/yyyy)
	I	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
J	Name of main contractor who installed asset	Select from pick list: domInstalledBy	
K	Date of "survey-start"	data - Date (dd/mm/yyyy)	
L	Long Description - explanation, further details, or location within park	data - Text (70 Characters)	
M	Artwork - has it an aspect of creative, aesthetic, or decorative beauty?	Select from pick list: domArtwork	
N	File name of photo	data - Text (50 Characters)	
Additional Information			
*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT See Appendix C.1.2 for a CAT example.			

Constructed at the road surface to encourage vehicle drivers to slow down.

Centre of structure  
X Y



Single judder bar with painted markings. Not all judder bars will be marked or as large as this one.

**Judder Bar (Continued)**

**CLASSIFICATION INFORMATION**

**1. Judder Bar Type**

- a. Single
- b. Double

**ADDITIONAL PHOTOS**



Double judder bar. These judder bars are a normal size and have painted markings.

As-Built requirements (PRK)		
L03: Ramp	Name	Ramp (Outline)
	Polygon Type	L03 "Polygon Asset Inputs "
	<div> <div></div> </div>	
	<div> <div></div> </div>	
	CAT Column	SAG Attribute Description
	A	Type of Polygon Feature
	B	Leave Blank
	C	Asset Record Capture Type
	D	Differs from design (yes/no)
	E	Asset Unique Identifier
F	Polygon Vertex Easting coordinate	
G	Polygon Vertex Northing coordinate	
H	Order of vertex / point along polygon	
I	Date of commission	
J	Location certainty - accuracy of data	
K	Name of main contractor who installed asset	
L	Date of "survey-start"	
M	Long Description - explanation, further details, or location within park	
N	Artwork - has it an aspect of creative, aesthetic, or decorative beauty?	
O	File name of photo	
P	Construction Material	
Q	Non Slip Surface Type	
R	Handrail	
S	Length in meters (m)	
T	Width in meters (m)	
Additional Information		
<p>*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT See Appendix C.1.2 for a CAT example. Col G: enter number of vertex along outline</p> <div> All corner points along outline to be surveyed. Create one CAT row per surveyed point. </div>		

An inclined flat surface providing access for wheeled objects between adjacent areas of different heights (see N02 for boat ramp).

Outline of structure

X Y

**Ramp (Continued)****CLASSIFICATION INFORMATION****1. Construction Material**

See picklist options for a list of construction materials. Most ramps will be either concrete or wood.

**2. Non Slip Surface Type**

a. **Chicken Wire** – Wire mesh covers the surface of the boardwalk to provide grip.

b. **Plastic Geotech Products** – As per chicken wire but with a plastic mesh.

c. **Sand Epoxy Blend** – The boardwalk surface has been painted with a mixture of sand and epoxy resin.

d. **Sprayed Tar** – Bituminous coating on the boardwalk surface.

e. **Textured Concrete** – Concrete with a pattern impressed into the surface for grip.

f. **None** – No non slip surface exists.

**3. Handrail**

Is a handrail fitted alongside the ramp?

**4. Length**

What is the end to end distance along the inclined surface? All Lengths should be in metres.

**5. Width**

What is the side to side distance across the inclined surface? All widths should be in metres.

**ADDITIONAL COMMENTS**

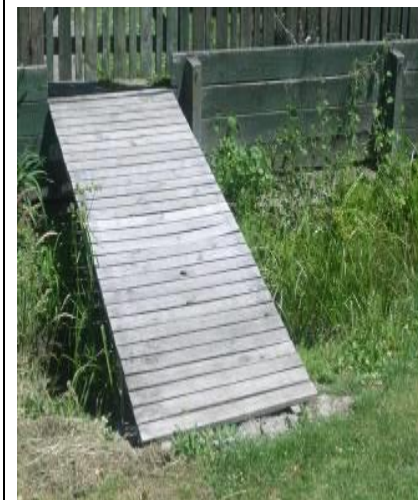
Ramps are built assets.

A section of track on an incline with retaining walls on each side should not be considered a ramp and should be captured as track and retaining walls. Likewise an incline leading onto a bridge formed with fill between two walls extending from the corners of the bridge should be considered a bridge abutment and not a ramp.

Some stockyards have a fenced ramp to allow livestock to be loaded into trucks. These ramps are part of the stockyard and should not be captured as ramps.

Ramps leading into the water should be recorded as boat ramps.

Ramps for access into buildings and constructed integral with the building foundations are to be considered part of the building and not a separate asset.

**ADDITIONAL PHOTOS**

Wooden ramp with no handrails or non-slip surface. As this ramp leads solely to a private residence it is a privately owned ramp.

# As-Built requirements (PRK)

Name

Polygon Type

Track (Outline)

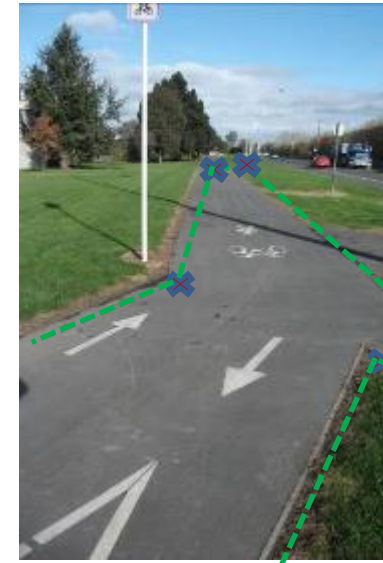
L04 "Polygon Asset Inputs "



A footpath or road, either sealed or unsealed, through a natural area or park.

Outline of structure

X Y



L04: Track

CAT Column	SAG Attribute Description	Valid Values
A	Type of Polygon Feature	L04
B	Specific type of Track (intended traffic)	Select from pick list: domIntendedTraffic
C	Asset Record Capture Type	Select from pick list: domExistingOrNew
D	Differs from design (yes/no)	Select from pick list: domDiffersFromDesign
E	Asset Unique Identifier	data - Text (100 Characters)
F	Polygon Vertex Easting coordinate	data - Decimal Number (12 Chars, 2 Decimals)
G	Polygon Vertex Northing coordinate	data - Decimal Number (12 Chars, 2 Decimals)
H	Order of vertex / point along polygon	data - Number
I	Date of commission	data - Date (dd/mm/yyyy)
J	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
K	Name of main contractor who installed asset	Select from pick list: domInstalledBy
L	Date of "survey-start"	data - Date (dd/mm/yyyy)
M	Long Description - explanation, further details, or location within park	data - Text (70 Characters)
N	Artwork - has it an aspect of creative, aesthetic, or decorative beauty?	Select from pick list: domArtwork
O	File name of photo	data - Text (50 Characters)
P	Surface Material	Select from pick list: domSurfaceMaterial
Q	Kerb Type	Select from pick list: domKerbType
R	Width in meters (m)	data - Decimal Number (4 Chars, 2 Decimals)
S	Length in meters (m)	data - Decimal Number (7 Chars, 1 Decimals)
T	Track Drainage	Select from pick list: domTrackDrainage
U	Track Category Mountain Bike *Mandatory if Track type = Mountain Bike; otherwise leave as is.	Select from pick list: domTrackCategoryMountainBike
V	Track Specification Pedestrian *Mandatory if Track type = Pedestrian; otherwise leave as is.	Select from pick list: domTrackSpecPedestrian
W	Easement - Is there an easement?	Select from pick list: domEasement
X	Final surface depth in millimeters (mm)	data - Decimal Number (5 Chars, 1 Decimals)
Y	Base Course Material	Select from pick list: domBaseCourseMaterial
Z	Base course depth in millimeters (mm)	data - Decimal Number (5 Chars, 1 Decimals)
AA	Track accessibility class - How difficult is this track to traverse?	Select from pick list: domTrackAccessibilityClass
AB	Date accessibility standard met?	data - Date (dd/mm/yyyy)
AC	Date of first coat	data - Date (dd/mm/yyyy)
AD	Date last resurfaced	data - Date (dd/mm/yyyy)

## Additional Information

\*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT  
See Appendix C.1.2 for a CAT example.  
Col G: enter number of vertex along outline

All corner points along outline to be surveyed.  
Create one CAT row per surveyed point.



## Track (Continued)

## CLASSIFICATION INFORMATION

## 1. Intended Traffic

Intended method(s) of transportation that the track has been installed to support.

- a. **4WD Vehicle** – The track is suitable for four wheel drive vehicles to use.
- b. **Any Vehicle** – The track is suitable for any vehicle to use.
- c. **Horse** – Horses are intended to be ridden on the track.
- d. **Mountain Bike** – Mountain bikes are intended to be ridden on the track.
- e. **Pedestrian** – The track is intended for foot traffic or cycles.

## 2. Surface Material

What is the track surface made of? See the definitions section for a list of materials and their descriptions.

## 3. Kerb Type

- a. **Dish Channel** – Channel cross section forms a segment of a circle.
- b. **Kerb and Channel** – Channel formed by a section of constant fall towards a vertical or near vertical face.
- c. **Kerb Only** Vertical or near vertical face forming a step or kerb with no channel at its base.
- d. **Mountable Kerb Only** – Kerb either with a curved face or a face at 45° or less to the horizontal. This kerb type is able to be driven over.
- e. **No Kerbing** – No kerbing or channels alongside the track.
- f. **Covered Kerb and Dish** – Deep kerb and dish channel with a cover over the top.
- g. **Kerb and Dished Channel** – Kerb with dish channel at its base.
- h. **Mountable Kerb and Channel** – As per kerb and channel but with a mountable kerb.
- i. **Other** – Other kerb and channel type not mentioned above.

## 4. Width

What is the width of the track. All widths should be in metres.

## 5. Track Drainage

- a. **Swale** – Open grassed ditch beside track.
- b. **Hump** – Raised track edge retains runoff.
- c. **Culvert Pipe** – Sumps/drain connected by pipes or a channel made from a pipe cut in half lengthwise alongside track.
- d. **Open Box Drain** – Square cross section drain alongside track.
- e. **Closed Box Drain** – Covered square cross section drain alongside track. Cover may be solid or perforated/slotted.

## ADDITIONAL COMMENTS

Mountain bike tracks will be unpaved tracks that can be shared use with bikes and pedestrians or single use for mountain bikes only. Berms may be constructed on some mountain bike tracks but there is generally little in the way of engineering enhancements. In general mountain bike tracks are present only in Bottle Lake Forest Park and Port Hills Regional Parks.

Tracks intended for any vehicle differ from driveways/car parks in that tracks will seldom be sealed and will be longer giving access through an area. Driveways may be sealed or unsealed but only give access into an area or to a car park.

Diagrams of the different kerb types are in the Car Park section.

## ADDITIONAL PHOTOS



Gravel track intended for any vehicle.



Bare earth track intended for mountain bikes. Signage at the beginning and intersections can be the only difference between tracks intended for mountain bikes and pedestrians.

## As-Built requirements (PRK)

### L05: Terraces

Name

Polygon Type

### Terraces (Outline)

L05 "Polygon Asset Inputs "

CAT Column	SAG Attribute Description	Valid Values
A	Type of Polygon Feature	L05
B	Leave Blank	Leave Blank
C	Asset Record Capture Type	Select from pick list: domExistingOrNew
D	Differs from design (yes/no)	Select from pick list: domDiffersFromDesign
E	Asset Unique Identifier	data - Text (100 Characters)
F	Polygon Vertex Easting coordinate	data - Decimal Number (12 Chars, 2 Decimals)
G	Polygon Vertex Northing coordinate	data - Decimal Number (12 Chars, 2 Decimals)
H	Order of vertex / point along polygon	data - Number
I	Date of commission	data - Date (dd/mm/yyyy)
J	Location certainty - accuracy of data	Select from pick list: domLocationCertainty
K	Name of main contractor who installed asset	Select from pick list: domInstalledBy
L	Date of "survey-start"	data - Date (dd/mm/yyyy)
M	Long Description - explanation, further details, or location within park	data - Text (70 Characters)
N	Artwork - has it an aspect of creative, aesthetic, or decorative beauty?	Select from pick list: domArtwork
O	File name of photo	data - Text (50 Characters)
P	Construction Material	Select from pick list: domTerraceConstruction
Q	Width in meters (m)	data - Decimal Number (4 Chars, 2 Decimals)
R	Length in meters (m)	data - Decimal Number (4 Chars, 2 Decimals)
S	Number of Terrace Steps	data - Number
T	Inscribed?	Select from pick list: domInscribed

#### Additional Information

\*All other columns must be left "blank" or hold the value "LEAVE BLANK" as default in CAT  
See Appendix C.1.2 for a CAT example.  
Col G: enter number of vertex along outline

All corner points along outline to be surveyed.  
Create one CAT row per surveyed point.

A series of level hard surfaces on a slope resembling steps. Stairs, handrails, ramps are separate assets, and are to be captured separately.

#### Outline of structure

X Y



**Terraces (Continued)****CLASSIFICATION INFORMATION****1. Construction Material**

See picklist options for a list of construction materials.

**2. Width**

What is the total width of the terraced area, from the top to the bottom measured in metres?

**3. Length**

What is the total length of the terraced area, running along the river bank, measured in metres?

**4. Number of terrace steps**

What is the number of terrace steps that make up the terraced area?

**5. Terraces have been inscribed?**

Has any of the terrace steps been inscribed, Yes or No?

**ADDITIONAL COMMENTS**

Stairs, handrails, ramps, seats, trees etc are separate assets and although they may be included in the total terraces area, are to be captured separately.

**ADDITIONAL PHOTOS**