

CCC As-built requirements for Land Improvements V3.0

Survey As-built Guidelines (SAG) Appendix K

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K01: Artwork

Name	Artwork (Point)
Point Type	K01 "Point Asset Inputs"

An illustrative and decorative element of artistic production (e.g. Sculpture, Mural), the general purpose of which is aesthetic enhancement.

Centre of structure
X Y

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K01
B	Specific type of Artwork	Select from pick list: domArtWorkCategory
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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domArtworkConstruction
O	Surface Finish	Select from pick list: domArtworkSurfaceFinish
P	Media Description	Select from pick list: domArtworkMediaDescription
Q	Date Created	data - Date (dd/mm/yyyy)
R	Maquette	Select from pick list: domArtworkMaquette
S	Acquisition Method	Select from pick list: domArtworkAcquisitionMethod
T	Length in meters (m)	data - Decimal Number (4 Chars, 2 Decimals)
U	Height in meters (m)	data - Decimal Number (4 Chars, 2 Decimals)
V	Width in meters (m)	data - Decimal Number (4 Chars, 2 Decimals)
W	Electrical component?	Select from pick list: domArtworkElectricalComponent
X	Artwork name	data - Text (30 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.



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Artwork (Continued)**CLASSIFICATION INFORMATION****1. Artwork Type (Artwork Category)**

a. Commemorative – Constructed to celebrate the anniversary of an event or in memorial of a person or persons.

b. Community – Created with a significant degree of community involvement. Usually created especially for the space concerned. Professional artist assistance may or might not have occurred.

c. Decorative – Small artworks added as ornamentation. *Note this category is given a parks code for maintenance*

d. Integrated – Artworks created as part of the development of a site and conceived especially for the site. Have a physical connection to the site. For example, a section of path that looks like a sundial.

f. Urban & Environmental – Stand alone, high value, large, commissioned artworks by a professional artist (e.g. The Chalice).

2. Media Description

Type of artistic representation

- a. Survey Marker
- b. Bird Bath
- c. Carving
- d. Decorative Tile
- e. Mosaic
- f. Plane Table
- g. Pole
- h. Poupou
- i. Sculpture
- j. Statue
- k. Stone
- l. Sundial
- m. Urn
- n. Water Wheel
- o. Wishing Well

3. Date Created

A plaque on or near the structure may state when the artwork was made. If there is a date given record it here otherwise leaves this field blank.

4. Maquette

Does the council have a maquette for this Artwork? A maquette is a miniature model of an artwork and may appear rough or unfinished.

5. Construction Material

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

6. Surface Finish

See the definitions section for a list of surface finishes and their descriptions.

7. Length

All lengths shall be in metres. Length is measured across the front

8. Height

All heights shall be in metres. This is the full height of the artwork.

9. Width

All widths shall be in metres. Width is measured front to back (depth).

10. Electrical Component

The artwork has an electrical component that requires power.

11. Artwork Name

The name of the artwork, or is known by.

12. Acquisition Method

Is Artwork council funded, gifted or a mix?

ADDITIONAL COMMENTS

Headstones are not recorded as artworks.

See the definitions section for details on when rocks are recorded as artworks.

Use the long text field for entering additional information such as name of artist and any information on the plaque associated with the artwork.

CCC As-built requirements for Land Improvements V3.0

Name **Bin (Point)** 
Point Type **K02 "Point Asset Inputs"**

A container where the public can dispose of waste or refuse.

Centre of structure
X Y

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K02
B	Specific type of Bin	Select from pick list: domBinWasteType
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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domBinConstruction
O	Surface Finish	Select from pick list: domBinSurfaceFinish
P	Style of Bin	Select from pick list: domBinStyle
Q	Bin Liner	Select from pick list: domBinLiner
R	Bag Required	Select from pick list: domBinBagRequired
S	Lockable lid	Select from pick list: domBinLockableLid
T	Footpad	Select from pick list: domBinFootPadConstruction



Wooden slatted litter bin with stained surface finish and concrete footpad. A closer look is needed to see if a liner or bag is present.



Dog style plastic canine waste bin. This bin has a bag and a concrete footpad.

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.

K02: Bin

CCC As-built requirements for Land Improvements V3.0

Bin (Continued)

CLASSIFICATION INFORMATION

1. Bin Type

- a. Canine Waste** – The bin is specifically for disposal of dog droppings.
- b. Compost** – The bin is for storage and/or composting of garden waste from parks maintenance.
- c. Litter** – The bin is for disposal of general refuse.
- d. Recycling** – The bin is for recyclable waste only i.e. paper, plastic bottles and aluminium cans.
- e. Organics** – Bin is for food scraps and other domestic organic waste only.
- d. Litter&Recycle** – A combination/double bin for the disposal of general refuse and recycling.

2. Bin Style

- a. Cage** – The bin is fully or partially constructed of a woven metallic frame.
- b. Dog** – The bin is constructed in the shape of a dog.
- c. Drum** – Freestanding, moveable 44-gallon drum with the top cut out or similar.
- d. D-Shaped** – Round bin with one flat side.
- e. Slatted** – Vertical slat construction. Slatted bins will generally have a liner within a wooden slat frame.
- f. Solid** – Bin walls and base are constructed of solid material, typically steel, concrete or plastic. Similar to drum type bins but solid bins are fixed in place.
- g. Big Belly** – Solar powered bin with compactor

3. Construction Material

See the definitions section for a full list of construction materials.

4. Surface Finish

Outermost coating applied, aesthetic or protective. See the definitions section for a full list of surface finishes.

5. Bin Liner

Does the bin contain a second, removable, solid bin to hold the refuse?

6. Bag Required

Does the bin contain a rubbish bag?

7. Lockable Lid

Is the opening part of the bin lockable?

8. Footpad

What is the footpad or foundation supporting the bin constructed of? See the definitions section for a list and descriptions of the different materials. Enter "None" if the bin has no footpad.

ADDITIONAL COMMENTS

Dispensers of bags or scoops for cleaning up after dogs are recorded as dog exercise equipment, not bins.

Do not collect footpads under bins or posts supporting bins as separate assets. Foundations or plinths under bins should be recorded in the footpad field.

ADDITIONALPHOTOS



Steel cage style litter bin with bag but no liner. This bin has a galvanised surface finish and a concrete footpad.

CCC As-built requirements for Land Improvements V3.0

Name **BBQ (Point)** 

Point Type **K03 "Point Asset Inputs"**

An apparatus for outdoor cooking using heat generated from electricity, gas or solid fuels.

Centre of structure
X Y

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K03
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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domBarbecueConstruction
O	BBQ fuel type	Select from pick list: domBarbecueFueltype
P	Coin operated	Select from pick list: domBarbecueCoinOperated
Q	Donated	Select from pick list: domDonatedBy
R	Shelter	Select from pick list: domBarbecueShelter
S	Number of cooking plates	data - Number



Open fire concrete BBQ in a shelter.



Steel construction gas BBQ. This BBQ is not in a shelter.

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.

K03: BBQ

BBQ (Continued)**CLASSIFICATION INFORMATION****1. Fuel Type**

a. **Electric** – An electric hotplate provides heat for cooking.

b. **Gas** – LPG gas provides heat for cooking.

c. **Open Fire** – Heat and smoke from burning wood or charcoal is used for cooking.

2. Coin Operated

Do coins need to be inserted to operate the BBQ?

3. Shelter

Is the BBQ mounted in or under a shelter?

4. Construction Material

What is the BBQ made out of? See the definitions section for a full list of construction materials.

5. Cooking Plates

What is the number of cooking plates the BBQ has?

ADDITIONAL COMMENTS

Construction material refers to the structure supporting the hot plate, not the hotplate itself.

CCC As-built requirements for Land Improvements V3.0

K04: Bollard

Name	Bollard (Point)
Point Type	K04 "Point Asset Inputs"

A stand-alone structure to control or direct traffic.
Each bollard is to be captured as a separate asset.

Centre of structure
X Y

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K04
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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domBollardConstruction
O	Surface Finish	Select from pick list: domBollardSurfaceFinish
P	Lockable	Select from pick list: domBollardLockable
Q	Removable	Select from pick list: domBollardRemovable
R	Height in meters (m)	data - Decimal Number (4 Chars, 2 Decimals)
S	Artwork - has it an aspect of creative, aesthetic, or decorative beauty?	Select from pick list: domArtwork



Steel removable and lockable bollard with a galvanized surface finish.



Rocks installed as bollards.

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.

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

What is the bollard made of? See the definitions section for a full list of construction materials.

2. Surface Finish

See the definitions section for a full list of surface finishes.

3. Lockable

If the bollard is removable can it be locked in place?

4. Removable

Can the bollard be removed or retracted to allow temporary access?

5. Height

What is the vertical distance from the top of the bollard to the surface it is mounted in? Heights should all be in metres.

ADDITIONAL COMMENTS

Bollards should be defined by purpose not appearance. A rock placed in such a way as to limit or direct vehicle traffic can be considered a bollard.

Where a barrier is formed by a row of bollards (more than four) classify the row as a fence, fence type = posts. Do not capture each bollard in the row.

Bollards with angled faces with symbols attached should be recorded as signs, sign type = bollard.

ADDITIONAL PHOTOS

Wooden post bollard. No surface finish.

CCC As-built requirements for Land Improvements V3.0			
K05: Clock	Name	Clock (Point) 	
	Point Type	K05 "Point Asset Inputs"	
	Centre of structure X Y		
			
	Only the hands and face are visible, the workings are installed in a bunker underneath the face.		
	CAT Column	SAG Attribute Description	Valid Values
	A	Type of Point Feature	K05
	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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)	
N	Construction Material	Select from pick list: domClockConstruction	
O	Operating Mechanism	Select from pick list: domClockOperatingMechanism	
P	Number of faces	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.			

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

What is the clock made of? See the definitions section for details and descriptions of construction materials.

2. Operating Mechanism

Where does the power to turn the clock hands come from?

- a. Electrical** – Electrical power fuels the clocks motion.
- b. Mechanical** – The clock motion comes from springs that are wound, a system of weights or another similar source.

3. Number of Faces

How many faces are connected to the one clock mechanism?

ADDITIONAL COMMENTS

Clocks within buildings are recorded as part of the building and should not be captured as a parks clock.

Describe the clock in the long description field.

CCC As-built requirements for Land Improvements V3.0

K06: Cycle Equipment

Name **Cycle Equipment (Point)** 
Point Type **K06 "Point Asset Inputs"**

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K06
B	Specific type of Cycle Equipment	Select from pick list: domCycleEquipmentType
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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domCycleEquipmentConstruction
O	Surface Finish	Select from pick list: domCycleEquipmentSurfaceFinish
P	Number of Bikes	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 structure designed to support bicycles when not in use, or prevent the use of bicycles in an area.

Centre of structure
X Y



Stainless steel hoop. A number of these can comprise one cycle stand. No surface finish.



Steel cycle stand. Galvanised surface finish.

Cycle Equipment (Continued)**CLASSIFICATION INFORMATION****1. Cycle Equipment Type**

What type of cycle equipment is it?

- a. **Cycle Stand** – A structure designed to support and secure unattended bicycles.
- b. **Cycle Barrier** – A structure designed to allow pedestrian passage while preventing passage of bicycles.

2. Construction Material

The majority of cycle equipment is made of steel. See the definitions section for a full list of construction materials.

3. Surface Finish

See the definitions section for a list of surface finishes and their descriptions. Choose none if there is no surface finish.

4. Number of Bikes

How many bikes can be supported by the cycle stand at any one time? Leave blank for cycle barriers.

ADDITIONAL COMMENTS

Where there is a group of hoops protruding from the ground to lean bikes against do not record each hoop. Record the group as one cycle stand.

ADDITIONAL PHOTOS

Concrete cycle stand



Metal cycle stand

CCC As-built requirements for Land Improvements V3.0			
K07: Flagpole	Name	Flagpole (Point) 	
	Point Type	K07 "Point Asset Inputs"	
	Vertical staff or pole on which a standard of flag, is or can be displayed.		
	Centre of structure X Y		
	CAT Column	SAG Attribute Description	Valid Values
	A	Type of Point Feature	K07
	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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)	
N	Construction Material	Select from pick list: domFlagpoleConstruction	
O	Surface Finish	Select from pick list: domFlagpoleSurfaceFinish	
P	Flagpole Height in meters (m)	data - Decimal Number (4 Chars, 2 Decimals)	
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.			
			

Flagpole (Continued)

CLASSIFICATION INFORMATION

1. Construction Material

What is the flagpole made from? See the definitions section for a full list of construction materials and their descriptions.

2. Surface Finish

See the definitions section for a list of surface finishes and their descriptions. Choose none if there is no surface finish.

3. Height

How tall is the flagpole? Estimates of the height shall be in metres.

CCC As-built requirements for Land Improvements V3.0

K08: Fountain

Name	Fountain (Point)
Point Type	K08 "Point Asset Inputs"

A device attached to the water supply in order to make potable water available for drinking

Centre of structure XY

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K08
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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domDrinkingFountainConstruction
O	Dog Bowl	Select from pick list: domDrinkingFountainDogBowl
P	Water Bottle Filler	Select from pick list: domDrinkingFountainWaterBottleFiller



Stainless steel drinking fountain. No dog bowl or water bottle filler.



Wooden drinking fountain with a dog bowl and water bottle filler.

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.

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

The most common construction material is concrete. See the definitions section for a full list of construction materials.

2. Dog Bowl

Is a dog bowl included at the base of the fountain?

3. Water Bottle Filler

Whether it has a tap with enough space to allow people to replenish their own portable containers with water? Does the fountain have a tap or fitting for filling water bottles?

ADDITIONAL COMMENTS

Fountains refer to drinking fountains only. Ornamental fountains (like the Peacock Fountain in the Botanic Gardens) are classified as water features.

Construction material refers to what the shell of the fountain is made of. It does not include the bowl.

CCC As-built requirements for Land Improvements V3.0

Name
Line Type

Gate (Line)

K09 "Line Asset Inputs "



A device permanently fitted into a gap in a barrier. Gates can be opened or closed to control access past the barrier.

X Y

K09: Gate

CAT Column	SAG Attribute Description	Valid Values
A	Type of Line Feature	K09
B	Specific type of Gate	Select from pick list: domGateType
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	Line Vertex Easting coordinate	data - Decimal Number (12 Chars, 2 Decimals)
G	Line Vertex Northing coordinate	data - Decimal Number (12 Chars, 2 Decimals)
H	Order of vertex / point along Line	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	File name of photo - Photos must be supplied	data - Text (50 Characters)
O	Construction Material	Select from pick list: domGateConstruction
P	Surface Finish	Select from pick list: domGateSurfaceFinish
Q	Gate Style	Select from pick list: domGateStyle
R	Post Material	Select from pick list: domGatePostMaterial
S	Height in meters (m)	data - Decimal Number (4 Chars, 2 Decimals)
T	Artwork - has it an aspect of creative, aesthetic, or decorative beauty?	Select from pick list: domArtwork



Gate Type of pedestrian, gate style of picket, construction material of wood, post material of wood, surface finish is painted



Gate Type of vehicular, gate style of standard farm gate, construction material of steel, post material of wood, surface finish of galvanised

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 line

Gate (Continued)

CLASSIFICATION INFORMATION

1. Gate Type

- a. Pedestrian** – The gate is primarily for use by humans.
- b. Stock** – The primary use of the gate is to let livestock in or out of an area.
- c. Vehicular** – The primary use of the gate is to let vehicles (including bicycles) past a barrier.

2. Gate Style

Describe the design of the gate

- a. Barrier Arm** – A bar or pole pivoted to block vehicle access through a controlled point. May move vertically or horizontally.
- b. Paling** – Gate of vertical wooden slats on a frame. Slats will touch or overlap.
- c. Picket** – Gate of vertical wooden slats on a frame. The slats are mounted with gaps between them.
- d. Post and Cable** – A single length of chain or wire rope between two posts.
- e. Standard Farm Gate** – Wooden or steel rural-type gate.
- f. Taranaki Gate** – Similar to post and cable except a number of lengths of wire attached to a batten are used. Additional battens may be used part-way along the gate to keep wires separated.
- g. Wrought Iron** – Iron or steel latticework, sometimes with decorative points.

3. Construction Material

The most common construction materials are steel and wood. See the definitions section for a full list of construction materials.

4. Post Material

Main substance the vertical supports keeping the gate in place are made of.
The most common construction materials are wood and concrete. See the definitions section for a full list of post materials.

5. Surface Finish

Outermost coating applied, aesthetic or protective. See the definitions section for a full list of surface finishes.

6. Height

How tall is the gate - between the ground and top of gate in metres?

7. Ownership

See definitions section. All gates in boundary fences between private residences and parks are privately owned.

ADDITIONAL COMMENTS

All gates giving individual land owners access to parks are privately owned by the individual land owner.

Where a gate has two halves closing to meet in the centre it should be recorded as a single gate only.



Gate type of stock, gate style of Taranaki Gate, construction material of wirepost material of wood



Gate type of pedestrian, gate style of paling, construction material of wood, post material of wood, surface finish of none.



Gate type of vehicular, gate style of post and cable, construction material of chain, post material of wood, surface finish of galvanised

CCC As-built requirements for Land Improvements V3.0			
K10: Light	Name	Light (Point) 	
	Point Type	K10 "Point Asset Inputs"	
	A device to provide illumination of an item or area.		
	Centre of structure X Y		
	CAT Column	SAG Attribute Description	Valid Values
	A	Type of Point Feature	K10
	B	Specific type of Light	Select from pick list: domLightType
	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 - More details, location in park, where controlled from, length if striplighting	data - Text (70 Characters)	
M	File name of photo - Photos must be supplied	data - Text (50 Characters)	
N	Light Purpose	Select from pick list: domLightPurpose	
O	Power account number	data - Text (30 Characters)	
P	Power Source	Select from pick list: domLightPowerSource	
Q	Artwork - has it an aspect of creative, aesthetic, or decorative beauty?	Select from pick list: domArtwork	
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.			
		 <p>Inground spot light that illuminates a sign, therefore the light purpose is functional.</p>  <p>Generally lights on poles are floodlights with a functional purpose.</p>	

CCC As-built requirements for Land Improvements V3.0

Light (Continued)**CLASSIFICATION INFORMATION****1. Light Type**

- a. Bud** – Small light providing almost a complete sphere of illumination.
- b. Floodlight** – Light providing a large cone of illumination for lighting up an area.
- c. Spot** – Light providing a narrow cone of illumination for lighting a specific point.
- d. LED Striplight** – A flexible circuit board populated by surface mounted light-emitting diodes (SMD LEDs) and other components.

2. Light Purpose

- a. Decorative** – The light has been installed for ornamentation.
- b. Functional Non Sport** – The light illuminates an asset or area.
- c. Functional Sport Area** – Installed to specifically illuminate a sports area. Specific sports areas are outlined in SAG appendix O.
- d. Functional Sport Field** – Installed to specifically illuminate a sports field.

3. Power Source

Where does the electricity for the light come from?

- a. Street Circuit** – The light is connected to a street lighting circuit.
- b. Parks Circuit** – The light is connected to park power mains.
- c. Solar** – The light is solar powered.

ADDITIONAL COMMENTS

In the long description please add where the light is controlled from, and if a LED Strip light add the length. Where a light is installed to illuminate a specific asset please include the equipment ID of the illuminated asset if known.

The power source of a light should be defined only if it is known. Solar powered lights should be identified, but determining between street and parks circuits may need to be left to CCC staff.

ADDITIONAL PHOTOS

Bud lights are typically pole Mounted and functional.



Decorative light (inground)

Floodlight Functional

Non Sport



Sport Area



Sport Field

CCC As-built requirements for Land Improvements V3.0

Name **Light Pole (Point)** 
Point Type **K11 "Point Asset Inputs"**

A vertical structure constructed to elevate lights in order to facilitate the illumination of a larger area.

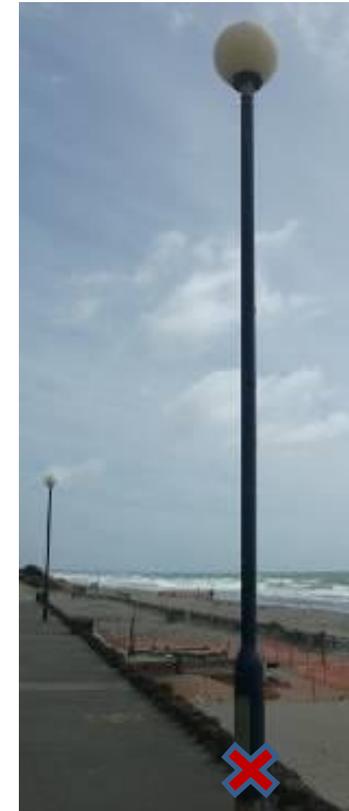
Centre of structure
X Y

K11: Light pole

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K11
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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domLightPoleConstruction
O	Surface Finish	Select from pick list: domLightPoleSurfaceFinish
P	Height in meters (m)	data - Decimal Number (4 Chars, 2 Decimals)
Q	Number of lights	data - Number
R	Artwork - has it an aspect of creative, aesthetic, or decorative beauty?	Select from pick list: domArtwork

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.



Steel light pole with single bud light. These light poles have been painted.

Light Pole (Continued)**CLASSIFICATION INFORMATION****1. Height**

How far is the light above the ground?

2. Construction Material

The most common construction materials are steel, wood and concrete. See the definitions section for a full list of construction materials.

3. Surface Finish

See the definitions section for a full list of surface finishes. Choose none for light poles that do not have a surface coating.

4. Number of Lights

How many light fittings are supported by the pole?

ADDITIONAL COMMENTS

If possible, include the asset numbers of lights mounted on the pole in the long description for the pole.

ADDITIONAL PHOTOS

**Concrete light pole with three floodlights.
This pole has no surface finish.**

CCC As-built requirements for Land Improvements V3.0

Name **Picnic Table (Point)** 
Point Type **K12 "Point Asset Inputs"**

An item of furniture consisting of a flat horizontal slab supported on a frame.

Centre of structure
X Y

K12: Picnic Table

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K12
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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Table top construction material	Select from pick list: domPicnicTableTopConstruction
O	Surface Finish	Select from pick list: domPicnicTableSurfaceFinish
P	Frame construction material	Select from pick list: domPicnicTableFrameConstruction
Q	Footpad	Select from pick list: domFootPad



Picnic table with a wooden table top and frame, painted surface finish and concrete footpad.



This chessboard on the table top gives it an artwork component. This is a concrete table with concrete frame, painted surface finish.

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.

CCC As-built requirements for Land Improvements V3.0

Picnic Table (Continued)**CLASSIFICATION INFORMATION****1. Table Top Construction Material**

The most common construction material for table tops is wood. See the definitions section for a full list of construction materials.

2. Surface Finish

The most common surface finish is stained. See the definitions section for a full list of surface finishes. Choose none for picnic tables that do not have a surface coating.

3. Frame Construction Material

The most common construction materials for table frames are wood, steel and concrete. See the definitions section for a full list of construction materials.

4. Footpad

What are the foundations under the table made of? See the definitions section for a full list of construction materials and their descriptions. Choose none for picnic tables that do not have a footpad.

ADDITIONAL COMMENTS

Do not capture the footpad/foundations under the table as a separate asset. Record the foundation material in the footpad field.

ADDITIONAL PHOTOS

Picnic table with a concrete table top and steel frame. This table has no surface finish or footpad.

CCC As-built requirements for Land Improvements V3.0																																																					
K13: Plaque	Name	Plaque (Point)																																																			
	Point Type	K13 "Point Asset Inputs"																																																			
	An inscribed commemorative tablet placed near an item of interest.																																																				
	Centre of structure X Y																																																				
																																																					
	Bronze plaque attached to a low concrete wall.																																																				
																																																					
	Brass plaque attached to a stone plinth.																																																				
	<table border="1"> <thead> <tr> <th>CAT Column</th> <th>SAG Attribute Description</th> <th>Valid Values</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Type of Point Feature</td> <td>K13</td> </tr> <tr> <td>B</td> <td>Leave Blank</td> <td>Leave Blank</td> </tr> <tr> <td>C</td> <td>Asset Record Capture Type</td> <td>Select from pick list: domExistingOrNew</td> </tr> <tr> <td>D</td> <td>Differs from design (yes/no)</td> <td>Select from pick list: domDiffersFromDesign</td> </tr> <tr> <td>E</td> <td>Asset Unique Identifier</td> <td>data - Text (100 Characters)</td> </tr> <tr> <td>F</td> <td>Centre of Structure in Easting coordinate</td> <td>data - Decimal Number (12 Chars, 2 Decimals)</td> </tr> <tr> <td>G</td> <td>Centre of Structure in Northing coordinate</td> <td>data - Decimal Number (12 Chars, 2 Decimals)</td> </tr> <tr> <td>H</td> <td>Date of commission</td> <td>data - Date (dd/mm/yyyy)</td> </tr> <tr> <td>I</td> <td>Location certainty - accuracy of data</td> <td>Select from pick list: domLocationCertainty</td> </tr> <tr> <td>J</td> <td>Name of main contractor who installed asset</td> <td>Select from pick list: domInstalledBy</td> </tr> <tr> <td>K</td> <td>Date of "survey-start"</td> <td>data - Date (dd/mm/yyyy)</td> </tr> <tr> <td>L</td> <td>Long Description - explanation, further details, or location within park</td> <td>data - Text (70 Characters)</td> </tr> <tr> <td>M</td> <td>File name of photo - Photos must be supplied</td> <td>data - Text (50 Characters)</td> </tr> <tr> <td>N</td> <td>Construction Material</td> <td>Select from pick list: domPlaqueConstruction</td> </tr> <tr> <td>O</td> <td>Surface Protection</td> <td>Select from pick list: domPlaqueSurfaceProtection</td> </tr> <tr> <td>P</td> <td>Attached To</td> <td>Select from pick list: domPlaqueAttachedTo</td> </tr> </tbody> </table>		CAT Column	SAG Attribute Description	Valid Values	A	Type of Point Feature	K13	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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)	N	Construction Material	Select from pick list: domPlaqueConstruction	O	Surface Protection	Select from pick list: domPlaqueSurfaceProtection	P	Attached To	Select from pick list: domPlaqueAttachedTo
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CCC As-built requirements for Land Improvements V3.0

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

What material is the message inscribed into? See the definitions section for a full list of construction materials.

2. Surface Protection

What protects the surface of the plaque? Chose from the following:

- a. Graffiti Guard
- b. None
- c. Wax Coating
- d. Lacquered

3. Attached To

What is the plaque fixed to? Choose from the following options.

- a. Stone Plinth
- b. Rock
- c. Wall
- d. Post
- e. Seat
- f. Tree
- g. Other

ADDITIONAL COMMENTS

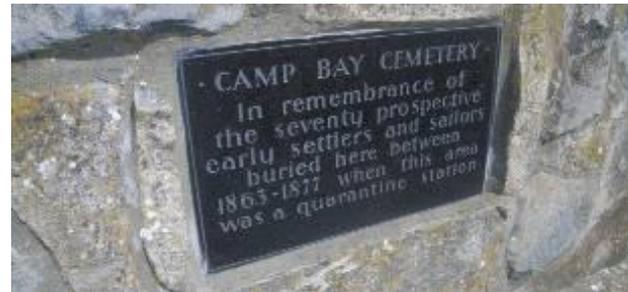
Plaques attached to other CCC assets should be recorded separately. The equipment number of the asset the plaque is attached to should be written in the long description of the plaque, e.g. "On seat 12345678".

Ensure the plaque text is clearly readable in photos of the plaque.

Headstones are not recorded as plaques.

ADDITIONAL PHOTOS

Stainless steel plaque attached to a seat.



Granite plaque attached to a wall.

CCC As-built requirements for Land Improvements V3.0

Name
Polygon Type

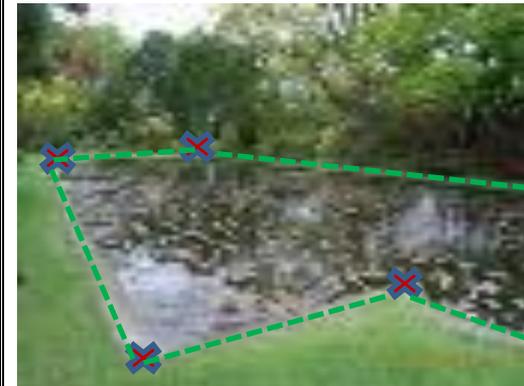
Pool (Outline)
K14 "Polygon Asset Inputs" 

A manmade excavation or basin capable of holding still water for ornamental or recreational purposes (e.g. swimming, paddling).

Outline of structure
X Y

K14: Pool

CAT Column	SAG Attribute Description	Valid Values
A	Type of Polygon Feature	K14
B	Specific type of Pool	Select from pick list: domPoolAssetType
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	File name of photo - Photos must be supplied	data - Text (50 Characters)
O	Edge type	Select from pick list: domPoolAssetEdgeType
P	Water Source	Select from pick list: domPoolAssetWaterSource
Q	Water treatment required?	Select from pick list: domPoolAssetWaterTreatmentRequired
R	Depth in meters (m)	data - Decimal Number (4 Chars, 2 Decimals)



Ornamental pool.



Paddling pool.

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.

CCC As-built requirements for Land Improvements V3.0

Pool (Continued)**CLASSIFICATION INFORMATION****1. Pool Type**

a. Ornamental – A pool that exists for visual aesthetics. Ornamental pools may contain water features.

b. Paddling – shallow artificial pool for children to paddle in.

c. Swimming – a pool suitable for swimming.

2. Depth - vertical distance between the top and bottom, measured in metres.

What is the average depth of the pool? Depths should be measured in metres.

3. Edge Type - Construction material of the surround

a. Concrete

b. Natural.

c. Wooden

4. Water Treatment Required - Does the water require treatment to be of acceptable quality?

a. Yes - Process for enhancing the quality of water so that it meets the water quality criteria for its intended use.

b. No – No Process is used to enhance the quality of water.

5. Water Source

What is the primary source of water fed into the pool?

a. Pumped – water is pumped from another location.

b. Spring fed – water comes from a natural spring.

c. Storm water runoff – storm water runoff from surroundings flows into the pool.

d. Town Supply – Town water supply is used to maintain the water level.

ADDITIONAL COMMENTS

Some pools will have water features in or alongside the pool. Water features are separate assets and include the pump, nozzle and structure. The pool itself should be recorded separately.

CCC As-built requirements for Land Improvements V3.0			
K15: Seat	Name	Seat (Point) 	
	Point Type	K15 "Point Asset Inputs"	
	A structure designed to support a person in the sitting position.		
	Centre of structure X Y		
			
	Wooden bench, steel frame, fixed within wall, varnished, and has no foot pad.		
			
	Stone seat, fixed to the ground, with a concrete footpad.		
	CAT Column	SAG Attribute Description	Valid Values
	A	Type of Point Feature	K15
B	Specific type of Seat	Select from pick list: domSeatType	
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	File name of photo - Photos must be supplied	data - Text (50 Characters)	
N	Seat style	Select from pick list: domSeatStyle	
O	Seat Construction Material	Select from pick list: domSeatSeatingConstruction	
P	Frame construction material	Select from pick list: domSeatFrameConstruction	
Q	Surface Finish	Select from pick list: domSeatSurfaceFinish	
R	Length in meters (m)	data - Decimal Number (4 Chars, 2 Decimals)	
S	Footpad	Select from pick list: domFootPad	
T	Donated	Select from pick list: domDonatedBy	
U	Artwork - has it an aspect of creative, aesthetic, or decorative beauty?	Select from pick list: domArtwork	
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.			

CCC As-built requirements for Land Improvements V3.0

Seat (Continued)**CLASSIFICATION INFORMATION****1. Seat Type**

- a. Bench** – A horizontal surface to support the buttocks.
b. Seat – A horizontal surface to support the buttocks and an inclined surface to lean against.

2. Seat Style

- a. Fixed-Ground** – The supports for the seat are fixed permanently into the ground.
b. Fixed-Planter – The seat is mounted on the side or edge of a planter box.
c. Fixed-Within Wall – The seat is supported by a framework attached to a wall.
d. Movable – The seat supports rest on the ground. The seat is able to be moved from place to place.

3. Seat Construction Material

What are the flat surfaces of the seat made from? See the definitions section for a full list of construction materials.

4. Frame Construction Material

What is the frame under the seat made of? See the definitions section for a full list of construction materials.

5. Surface Finish

What is the seat surface finished in? See the definitions section for a full list of surface finishes. Select none if the seat has no footpad.

6. Length

Distance end to end that can be sat on. Lengths should be in metres.

7. Footpad

What are the foundations under the table made of? See the definitions section for a full list of construction materials and their descriptions. Enter "None" if the seat has no footpad.

8. Donated

Was this Seat donated? If so select applicable group from picklist values include School, Community Group, Individual, etc.

ADDITIONAL COMMENTS

Do not capture the footpad/foundations under the seat as a separate asset. Record the foundation material in the footpad field.

ADDITIONAL PHOTOS

Wooden, varnished seat with a steel frame. This is a moveable seat and therefore, no footpad should be recorded.

CCC As-built requirements for Land Improvements V3.0

Name	Shower (Point) 
Point Type	K16 "Point Asset Inputs"

A standalone or mounted shower, typically installed at or near a beach for washing off salt water and sand. Fish washes are a type of shower

Centre of structure
X Y

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K16
B	Shower Type	Select from pick list: domShowerType
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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domShowerConstruction
O	Surface Finish	Select from pick list: domShowerSurfaceFinish
P	Number of shower heads	data - Number
Q	Tap	Select from pick list: domShowerTap
R	Waste type	Select from pick list: domShowerWasteType
S	Supply type	Select from pick list: domSupplyType

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.



Steel shower, galvanised surface finish, one shower head, and a tap, and a grate to the wastewater system.

K16: Shower

CCC As-built requirements for Land Improvements V3.0

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

What is the shower made from? See the definitions section for a list of construction materials and their descriptions.

2. Surface Finish

What, if any, surface finish has been applied to the shower structure? See the definitions section for a list of surface finishes and their descriptions. Enter none if there is no surface finish.

3. Number of Shower Heads

How many shower heads are attached to the structure?

4. Tap

Is there a tap as part of the shower structure?

5. Waste Type

Where does the water go after shower use?

a. Ground – The water flows onto surrounding ground for disposal via soakage.

b. Sewer – A trap or sump below the shower collects the water for disposal via the sewer system.

c. Stormwater - A trap, sump or grate below or beside the shower collects the water for disposal via the sewer system.

6. Supply Type

How is water supplied to the shower?

a. City Mains – Water comes from the city water mains.

b. Tank – Water flows under gravity from a water tank to the shower.

c. Well Pumped – Water for the shower is pumped from a well.

d. Pump Assisted – A pump is installed to supply water from the city mains or a tank to the shower.

ADDITIONAL COMMENTS

Showers in built-up areas will be supplied from the city mains and either discharge to sewer or to ground. Waste going to storm water is extremely uncommon.

ADDITIONAL PHOTOS

Steel shower with a galvanised surface finish. This shower has one shower head and a tap. No grate, drainage to the ground

CCC As-built requirements for Land Improvements V3.0

K17: Sign

Name	Sign (Point)
Point Type	K17 "Point Asset Inputs"

A notice, bearing a name, direction, warning, symbol, or advertisement, which is displayed or posted for public view.

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K17
B	Primary type of Sign	Select from pick list: domSignType
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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Sign Style	Select from pick list: domSignStyle
O	Panel Construction Material	Select from pick list: domSignPanelConstruction
P	Post Material	Select from pick list: domSignPostConstruction
Q	Panel Width in millimeters (mm)	data - Decimal Number (5 Chars, 0 Decimals)
R	Panel Height in millimeters (mm)	data - Decimal Number (5 Chars, 0 Decimals)
S	Secondary type of Sign	Select from pick list: domSignSecondaryType

Centre of structure
X Y

Double Post Signs **Single Post Signs**

Angle Sign

Bollard Sign **Plate Sign**

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.

CCC As-built requirements for Land Improvements V3.0

Sign (Continued)

CLASSIFICATION INFORMATION**1. Primary Sign Type****Primary type of information supplied**

- a. Hazard** – Warns of hazards in the area.
- b. Information** – Shows park maps and where things are within the park.
- c. Interpretation** – Provides educational information about things in the immediate area.
- d. Entrance** – Identifies and names the park, located at park entrance.
- e. Direction** – Shows which way the track goes or where to go to find an asset or point of interest.
- f. Regulation** – States rules that control activities within the park.

2. Sign Style

Category of design e.g. single post, double post, panel

- a. Single Post** – Consists of a printed panel supported on a single post.
- b. Double Post** – Consists of a single panel supported by two posts.
- c. Concrete Plinth** – Printed panel affixed to both sides of a concrete pillar.
- d. Bollard** – 200mm wide panel or symbol affixed to a bollard.
- e. Angle** – Panel set in a metallic frame with glass or acrylic sheet protecting panel. Set on an incline at waist height.
- f. Panel** – Printed panel affixed to another asset.
- g. Plate** – 115mm wide printed plate affixed to a post or bollard.
- h. Framed** – a structure for admitting or enclosing a sign.

3. Panel Construction Material

Material the face of the sign is made of.
See the definitions section for a full list of construction materials.

4. Post Material

Material the sign support(s) is made of.
See the definitions section for a full list of construction materials.

5. Panel Width

Horizontal distance side to side across the sign panel. Widths should all be in millimetres.

6. Panel Height

Vertical distance top to bottom along the panel of the sign. Heights should all be in millimetres.

7. Secondary Sign Type

If more than one type of information supplied; select from picklist.

ADDITIONAL COMMENTS

All existing sign types and styles will be replaced by the new types and styles shown in the photos. Choose from the new designs the type and style that best represents the existing sign.

Signs with a small roof above them should be recorded as both a sign and a shelter. Write 'sign in shelter' in the long description field for the sign.

Bollard and plate signs appear very similar, the difference between the two is size. Bollard signs are 200mm wide while plate signs are 115mm wide.

ADDITIONAL PHOTOS

Concrete Plinth Signs

CCC As-built requirements for Land Improvements V3.0

Name	Tree Cage (Point) 
Point Type	K18 "Point Asset Inputs"

A structure or frame that surrounds a tree for support or protection

Centre of structure
X Y



K18: Tree Cage

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K18
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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domTreeCageConstruction

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.

Tree Cage (Continued)

CLASSIFICATION INFORMATION

1. Construction Material

What is the tree cage made of? The majority of Tree Cages Cast Iron, see the definitions section for a full list of construction materials and their definitions.

CCC As-built requirements for Land Improvements V3.0

Name **Tree Grate (Point)** 
Point Type **K19 "Point Asset Inputs"**

A frame surrounding the base of a tree protecting the root structure

Centre of structure
X Y



K19: Tree Grate

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K19
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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domTreeGrateConstruction

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.

Tree Grate (Continued)**CLASSIFICATION INFORMATION****1. Construction Material**

What is the tree grate made of? The majority of Tree Grates are Cast Iron, see the definitions section for a full list of construction materials and their definitions.

ADDITIONAL COMMENTS

Tree grates are temporary structures installed when the tree is planted and removed once the tree has grown.

CCC As-built requirements for Land Improvements V3.0

K20: Tree Planter

Name **Tree Planter (Point)** 
Point Type **K20 "Point Asset Inputs"**

A container for planting trees.

Centre of structure
X Y



CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K20
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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domTreePlanterConstruction

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.

Tree Planter (Continued)**CLASSIFICATION INFORMATION****1. Construction Material**

What is the Tree Planter made of? See the definitions section for a full list of construction materials and their definitions.

ADDITIONAL PHOTOS

Container for planting trees

CCC As-built requirements for Land Improvements V3.0

Name	Water Feature (Point) 
Point Type	K21 "Point Asset Inputs"

A device that circulates water for the purpose of creating an aesthetic display.

Centre of structure
X Y

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K21
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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domWaterFeatureConstruction
O	Water Feature Style	Select from pick list: domWaterFeatureStyle
P	Number of nozzles	data - Number



Formal water feature



Informal water feature

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.

K21: Water Feature

CCC As-built requirements for Land Improvements V3.0

Water Feature (Continued)**CLASSIFICATION INFORMATION**

1. Construction Material - refers to the structure supporting the nozzles and not the nozzles themselves. The most common construction material is concrete. See the definitions section for a full list of construction materials.

2. Style

a. Formal – Symmetrical, concrete edged, featuring a central figure with sides and a base. Highly maintained.

b. Informal – Uneven shape, may or may not have edge and may or may not have a solid base. Lower maintenance and more natural looking.

3. Number of Nozzles

How many nozzles are there to squirt or discharging water?

ADDITIONAL COMMENTS

Where a water feature is installed in a pond like the photo of the formal water feature on the previous page the water feature is only the structure in the centre of the pond and the pond is a separate asset.

Where small areas of water are part of the water feature such as the example of the informal water feature the ponds are part of the water feature and should not be recorded separately.

Construction material refers to the structure supporting the nozzles and not the nozzles themselves. In both the examples on the previous page the construction material would be concrete.

Stand-alone showers at or near beaches are not water features. These showers should be classified in the shower section.

CCC As-built requirements for Land Improvements V3.0			
K22: Weather Station	Name	Weather Station (Point) 	
	Point Type	K22 "Point Asset Inputs"	
	A collection of instruments, housed together for monitoring meteorological conditions		
	Centre of structure X Y		
		The white box is a Stevenson screen and contains sensors. The tall pole is an anemometer pole with an anemometer on top.	
	CAT Column	SAG Attribute Description	Valid Values
	A	Type of Point Feature	K22
	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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)	
N	Weather Station Purpose	Select from pick list: domWeatherStationPurpose	
O	Wet bulb thermometer	Select from pick list: domWeatherStationWetBulbThermometer	
P	Dry bulb thermometer	Select from pick list: domWeatherStationDryBulbThermometer	
Q	Rain Gauge	Select from pick list: domWeatherStationRainGauge	
R	Anemometer	Select from pick list: domWeatherStationAnemometer	
S	Anemometerpole	Select from pick list: domWeatherStationAnemometerPole	
T	Barometer	Select from pick list: domWeatherStationBarometer	
U	Stevenson Screen	Select from pick list: domWeatherStationStevensonScreen	
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.			

Weather Station (Continued)**CLASSIFICATION INFORMATION****1. Weather Station Purpose**

Reason for monitoring the weather at this location.

a. Fire Information – The weather station is used for monitoring meteorological conditions that affect fire danger. Fire weather stations have a wet bulb thermometer but no barometer.

b. Standard Weather – The weather station monitors meteorological conditions to aid in weather forecasting. Standard weather stations will have a barometer but no wet bulb thermometer.

2. Wet Bulb Thermometer

Does the weather station have a wet bulb thermometer? A wet bulb thermometer is a thermometer that has the sensor covered by a damp fabric sock.

3. Dry Bulb Thermometer

Does the weather station have a dry bulb thermometer? A dry bulb thermometer has the temperature sensor exposed to the air.

4. Rain Gauge

Rain Gauge - an instrument that measures the amount of precipitation. Does the weather station have a rain gauge? Rain gauges measure the amount of rainfall.

5. Anemometer

Measures the speed of wind

Does the weather station have an anemometer? Anemometers measure wind speed and usually have three hemispherical cups spinning around a central axle.

6. Anemometer Pole

Does the weather station have an anemometer pole? The anemometer pole is a post used to elevate an anemometer above the ground.

7. Barometer

Does the weather station have a barometer? A barometer is a device for measuring atmospheric pressure.

8. Stevenson Screen

Does the weather station have a Stevenson Screen? A Stevenson Screen is an enclosure, usually with louvered walls, designed to keep instruments out of direct sunlight and wind.

CCC As-built requirements for Land Improvements V3.0

Name	Collection Box (Point)
Point Type	K23 "Point Asset Inputs"

A box or other container for collecting money.

Centre of structure
X Y

K23: Collection Box

CAT Column	SAG Attribute Description	Valid Values
A	Type of Point Feature	K23
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	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	File name of photo - Photos must be supplied	data - Text (50 Characters)
N	Construction Material	Select from pick list: domCollectionBoxConstruction
O	Surface Finish	Select from pick list: domCollectionBoxSurfaceFinish
P	Post Construction Material	Select from pick list: domCollectionBoxPostConstruction
Q	Security Type	Select from pick list: domCollectionBoxSecurityType



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.

Collection Box (Continued)**CLASSIFICATION INFORMATION****1. Construction Material**

The most common construction material is concrete. See the definitions section for a full list of construction materials.

2. Surface Finish - on collection box (outermost coating applied).

- a. Baked Enamel
- b. Galvanized
- c. Powder Coated
- d. Stained
- e. Painted

3. Post Material - material the collection box support(s) is made of

- a. Aluminium
- b. Concrete
- c. Plastic
- d. Steel
- e. Stone
- f. Wood
- g. Wrought Iron

4. Security Type – on collection box.

- a. Bolted
- b. Keylock
- c. Pinlock
- d. Padlock
- e. Unsecure
- f. Welded