



# LCC Feature Code Library

LCC Feature Codes (V1.1).FXL

October 2020



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<b>Revisions:</b>	<b>Release Date:</b>	<b>Changes:</b>
LCC Feature Codes (V1.0) (First release)	1/10/2020	N/A
LCC Feature Codes (V1.1)	30/10/2020	Date and time attribute added to all points and strings. Feature Code Groups added.

## Introduction

This guide looks at the details included in the LCC Feature code library put together by UPG. This library has been designed to match as closely as possible the current feature library outlined by LCC.

This contains the feature codes which have been mapped with the colours, blocks and symbols as defined in their guide. The line styles are all solid at this stage as we have not been able to create them. This has been built against the current LCC survey outsourcing guidelines, part 4, 12d survey code list (16<sup>th</sup> March 2016).

The line feature points once processed in TBC will all end up on Layer "0".

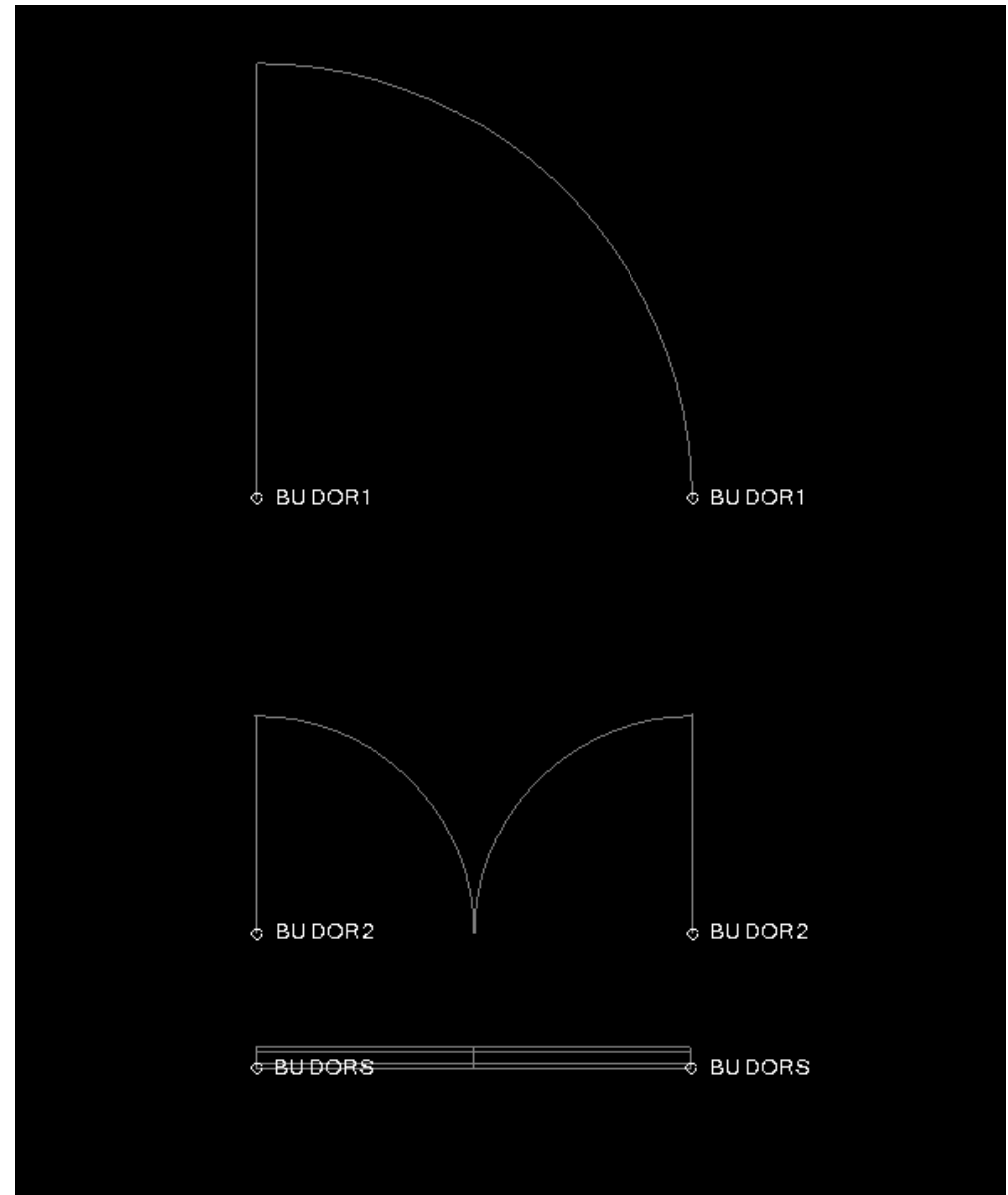
The code of the linestrings has been placed in front of the string name to allow mapping in 12D.

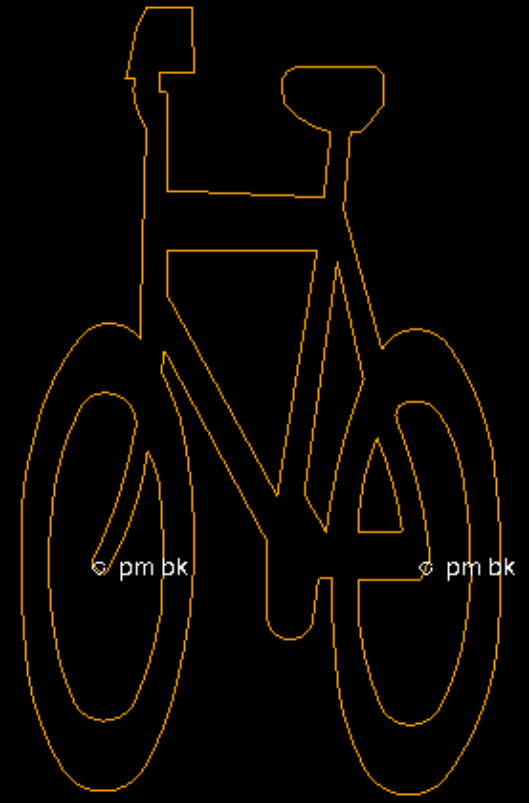
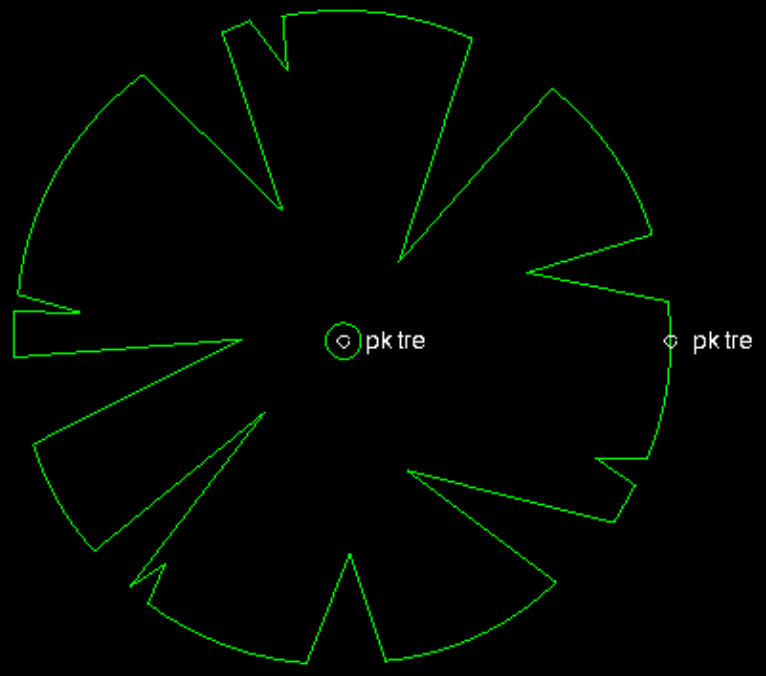
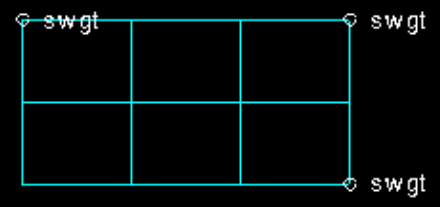
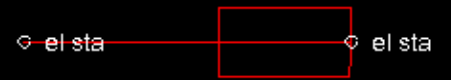
## Block Codes

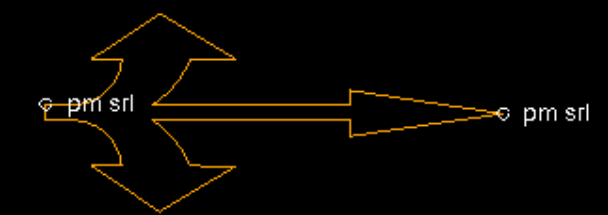
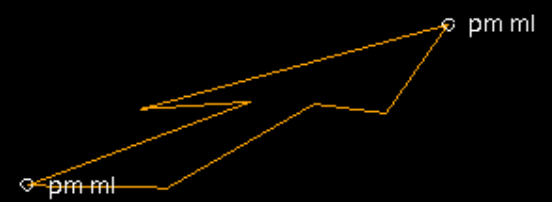
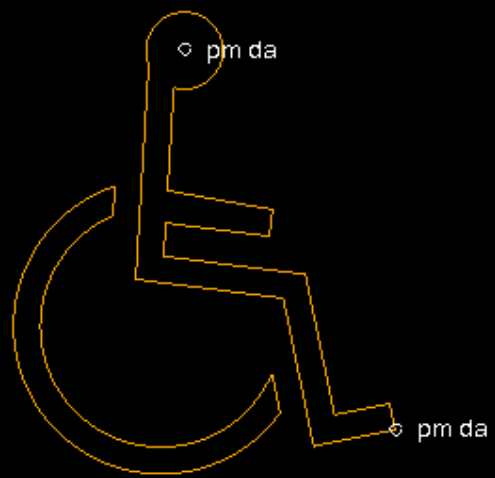
Due to the way some features are defined by LCC, some feature codes require multiple pick up points to place and orientate the symbol. The following codes have been converted into **blocks**:

- BUDOR1
- BUDOR2
- BUDORS
- FEGA
- PKTRE
- ELSTA
- PAVEMENT MARKS
- SWGT
- PMBK

The Illustrations display the specific codes and where the points are located in reference to the symbol block. Note that arrows are always located in the direction the arrow is pointing.







## Control Codes

Control codes have been included in this library for enhancing field pickup if desired and allowing for greater editing in TBC through the use of editing feature codes.

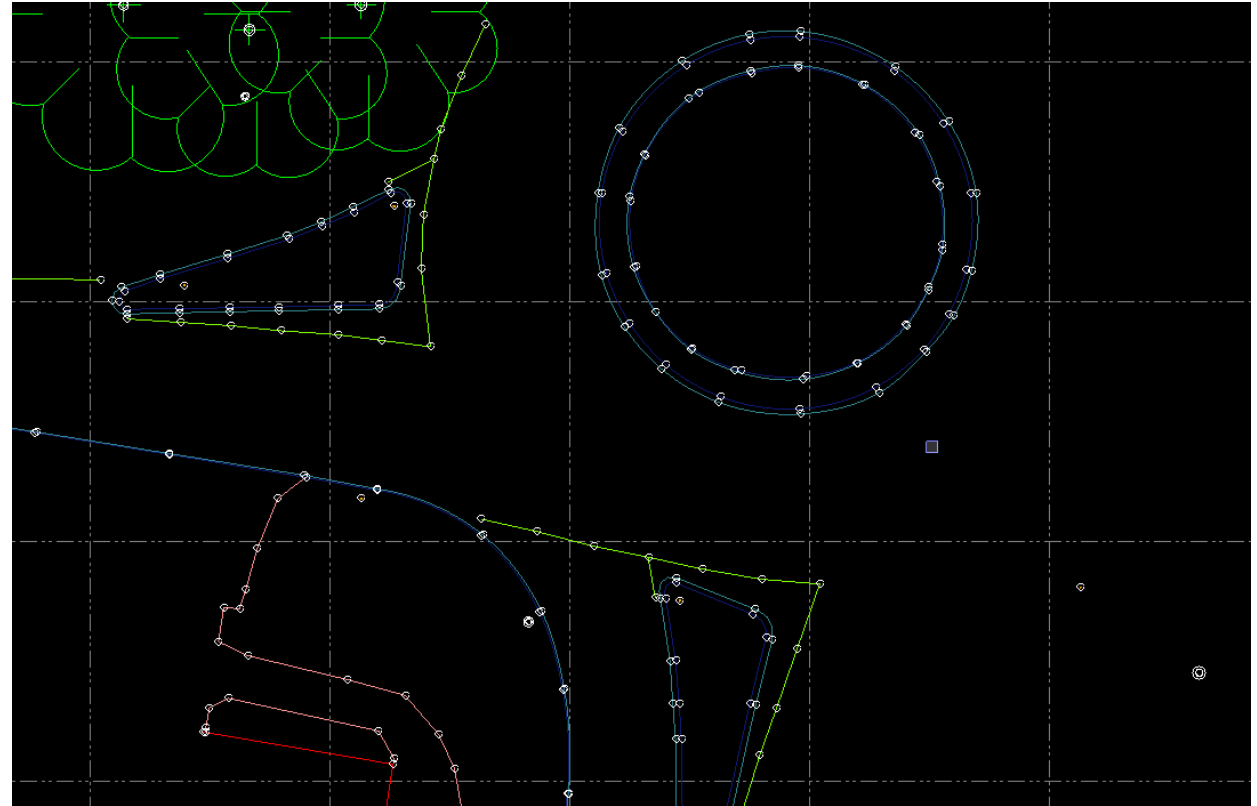
Control codes give extra line joining control in the field for creating arcs, shapes, start new line sequences, close figures, and join specific points. They are defined as seen below:

XXXX # - space and then the control code is entered

So, a code would look like:

EJ02 1

Line Control Codes	
Name	Code
Line - Start	1
Smooth Curve - Start	10
Smooth Curve - End	11
Circle Edge - Start	12
Circle Centre - Start	13
Rectangle - Start	14
Horizontal Offset	15
Vertical Offset	16
Line - End	2
Joint to Point	3
No Join	4
Close Line	5
Tangential Arc - Start	6
Tangential Arc - End	7
Non-Tangential Arc - Start	8
Non-Tangential Arc - End	9



## Other Items

### **EDITING:**

We recommend not editing the FXL and providing UPG with any required edits, however you are able to do any required editing within TBC or the Feature Definition Manager.

### **ATTRIBUTES:**

We have strived to ensure that attribute information is correct, however this may change moving forward with updates, requiring an update to the FXL.

### **FINAL NOTE**

UPG is committed to supporting the LCC code library and enhancing functionality to assist with the use of this feature code library. Please contact us with any requests and suggestions that can be made to this library and also for any enhancements that could be made in TBC to improve the user experience when working with LCC, and we will try to accommodate them.