

## **Ocean County Data Collection and Feature Coding**

The County uses the Bentley InRoads civil product to produce our line work and the coding system is set up for that purpose.

For field collection we use TDS data collectors using SurveyPro software, version 5.0 or below, producing a ".raw" file we can import.

Higher versions have changed the file format and we can not import from the new format.

We do not however use the TDS software feature to produce line work as the coding is not compatible with the InRoads product.

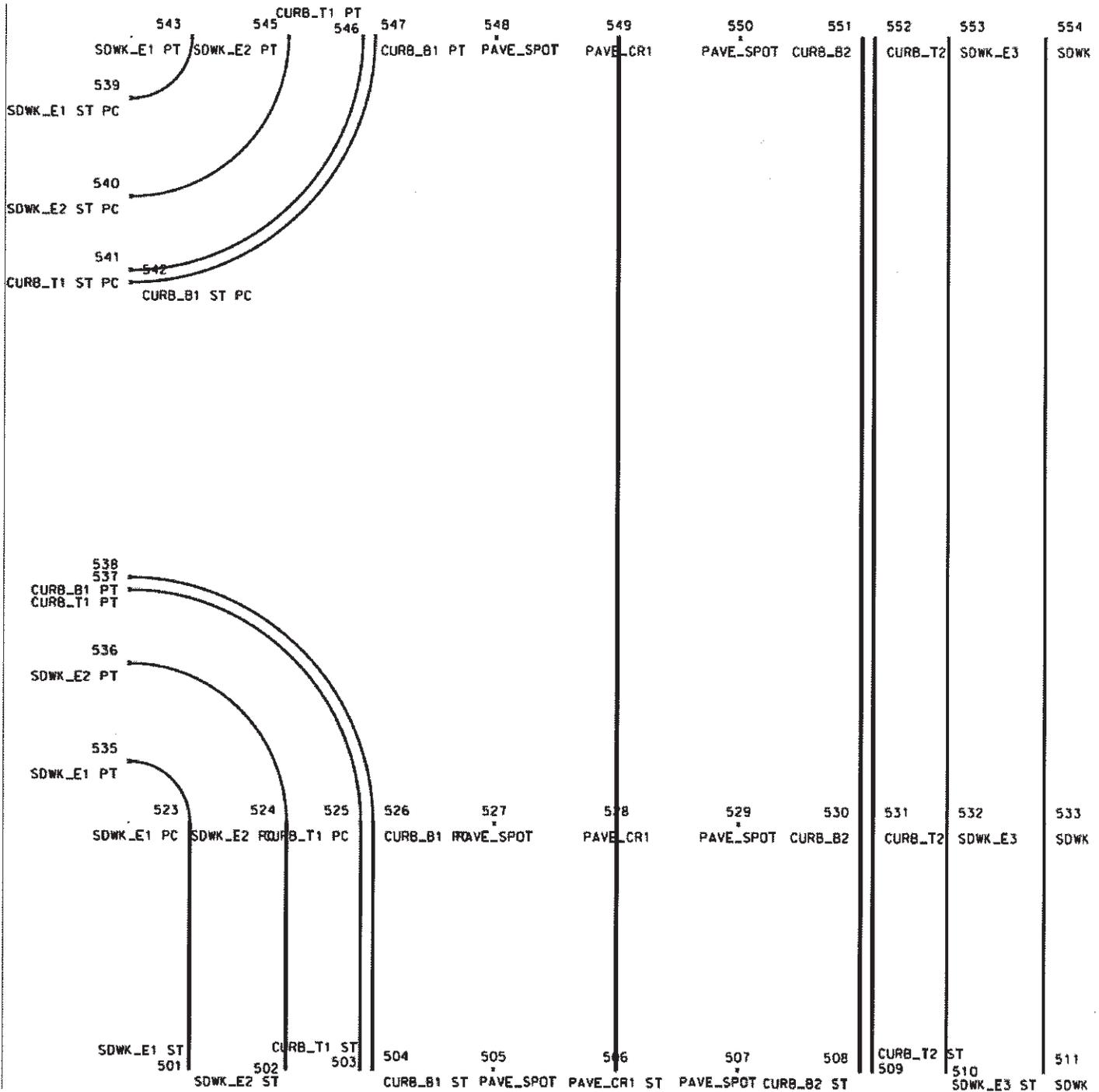
County feature codes consist of three potential parts, the Code itself, a Figure Number and a control code.

All linear features, ex. CURB\_B, CURB\_T, SDWK\_E etc., require Control Codes. The Control Codes are as follows and can be combined with the same point.

An example would be PT PC for a compound or reverse curve. We do not currently use the TMPL Control Code.

<b>CONTROL CODE</b>	<b>CODE DEFINITION</b>
CL	Close
CLSRECT	Close Rectangle
DIST	Distance (w/taped rect.dist.)
DNC	Do Not Contour
JPT	Join Point
JNC	Join Nearest Code (w/code)
NT	Not Tangent
PC	Point of Curve
PT	Point of Tangent
RECT	Rectangle (Begin)
ST	Start
TMPL	Template (X-Section)

Below is an example of the coding and line work it produces.



The Feature Code will consist of the following:

Feature Code(no space)Figure Number(space) Control Code(if needed)(space) Additional Control Codes as needed.

Figure numbers allow an unlimited number of the same Feature to be open concurrently.

An example would be a divided highway with interior parking lots on both sides, you could easily have six or more CURB\_T codes open at one time, each with a separate figure number. Linear codes, generally break-lines, connect from one point to the next higher point number with the same code/figure number until there is a new start code issued. For this reason that it is imperative to use figure numbers in association with the codes if and when Consultant coding is being converted for County use.

Ex. Using CURB\_T1 for the left curb line an initial start code would be issued for the first shot, the shots would continue down the curb line around a side street radius and a new start code for CURB\_T1 would be issued when you cross the side street.

For linear features shots must be taken in one direction only, preferably up station and Figure Numbers should be used as this will facilitate the common Left to Right, move up, Right to Left cross section method.

ASCII comma separated files should be saved in the MS-DOS ".csv" format with information in the following order:

Point Number,Northing,Easting,Elevation, FeatureCodeFigureNumber(no spaces) and All control Codes(space separated),Note if any. (Such as 8" Double Oak or Utility Pole Numbers.)