

A custom survey point code library has been developed to standardize point codes used during field survey and to help automate the process of importing survey data into Civil 3D. The table on the following page lists the field code numeric prefixes and codes that are included in the point code library. For Civil 3D to recognize the survey codes correctly, it is important to include the numeric prefix in the point code.

Reserved Point numbers

Point numbers in the range 9000 – 9999 are reserved for stakeout points.

Point numbers in the range 10000 – 11999 are reserved for as-built survey shots.

Survey Controllers

The point code library can also be uploaded into a data collector. Use the files listed below for the controller that you are using. These files are located on the Minnesota CADD Drawings section on the Minnesota Home Page, in the Minnesota Civil 3D Point codes zip file.

TSCx Controllers

NRCS MN.fcl can be uploaded into the TSCx controllers via TGO and ActiveSync.

Another option is to connect to the controllers using ActiveSync, clicking the “Explore” button in ActiveSync, and copying the following two files into the **Trimble Data** folder on the controller.

NRCS MN.fal, and **NRCS MN.MCD**

Recon Controllers

For Recon Controllers, the upload the file **NRCS MN.txt**

NRCS MN Field Code Library

01	TBM	Temporary Benchmark	Control/Ground Shots
02	BM	Permanent Benchmark	
03	IP	Instrument Point	
04	TP	Turning Point	
05	RP	Reference Point	
06	PPIN	Property Pin or Marker	
07	EPIN	Easement Pin or Marker	
08	GS	Ground Shot	
09	TH	Soil Boring (Test Hole)	

Structures	10	BLD	Building	20	FX	Fence	Boundary Shots
	11	BLDC	Building Corner	21	FC	Fence Corner	
	12	CON	Concrete	22	FJ	Fence Junction	
	13	CONC	Concrete Corner	23	FE	Fence End	
	14	BIT	Bituminous Pavement	24	FG	Fence Gate	
	15	CLDAM	Centerline of Dam	25	PL	Property Line	
	16	EDAM	Top Edge of Dam	26	EL	Easement Line	
	17	WELL	Well	27	ROW	Right-of-Way Line	
	18	WALL	Retaining Wall	28	EFLD	Edge of Field	
19	STRUC	Other Structure	29	EWET	Edge of Wetland		

Water Features	30	CLW	Centerline of Watercourse	40	CLR	Centerline of Road	Roads
	31	CLDRAW	Centerline of Draw	41	ER	Edge of Road	
	32	CLDITCH	Centerline of Ditch	42	CLFR	Centerline of Field Road	
	33	EBL	Edge of Bottom LDS	43	EFR	Edge of Field Road	
	34	EBR	Edge of Bottom RDS	44	CLD	Centerline of Driveway	
	35	BNKL	Bank LDS	45	ED	Edge of Driveway	
	36	BNKR	Bank RDS	46	RD	Road Ditch Centerline	
	37	WL	Water Line (Edge)	47	FLDA	Field Approach	
	38	GSWET	Ground Shot in Water	48	CLRR	Centerline of Railroad	
39	H2O	Water Surface Elevation	49	ERR	Edge of Railroad		

Pipes/Culverts	50	RCPINV	Reinforced Concrete Pipe Invert	60	CC	Cropping Change	Vegetation
	51	RCPTOP	Reinforced Concrete Pipe Top	61	VC	Vegetation Change	
	52	CMPINV	Corrugated Metal Pipe Invert	62	EWOOD	Edge of Woods	
	53	CMPTOP	Corrugated Metal Pipe Top	63	TREEL	Tree Line	
	54	PVC	PVC Pipe	64	CTREE	Coniferous Tree	
	55	HDPE	HDPE Pipe	65	DTREE	Deciduous Tree	
	56	APRON	Pipe Apron	66	SHRUB	Shrub	
	57	INTAKE	Tile Intake	67	BRUSH	Brush	
	58	OUTLET	Tile Outlet	68	ROCK	Rock or Rock Pile	
59	TILEFL	Tile Flowline	69				

Utilities	70	PP	Power Pole	80	WD	Watershed Divide	Terrain
	71	PLO	Overhead Power Line	81	SB	Slope Break	
	72	PLB	Buried Power Line	82	TS	Top of Slope	
	73	TEL	Telephone Line	83	BS	Bottom of Slope	
	74	GAS	Gas Line	84	LS	Low Spot	
	75	WATER	Water Line (Pipe)	85	HS	High Spot	
	76	FIBER	Fiber Optic Line				
	77	UTIL	Other Utility Line				
	78	PED	Pedestal (phone, electric, etc.)				
79	GW	Guy Wire					