



	POINT NUMBERING
PT. NUMBERS	DESCRIPTION
1 - 999 1000 - 1999 2000 - 2999 3000 - 3999 4000 - 4999 5000 - 5999 6000 - 6999 7000 - 7999 8000 - 8999 9000 - 9999	Level Runs Existing Primary Control GPS Control Monuments Control Monuments w/Differential Levels Auxiliary Control Monuments Supplemental Control Boundary Control Points Benchmarks Panel Points Surveyor Discretion
10000 +	Mapping / Topographic Points
If more t	To identify multiple features, use the third number field. han one edge of road, identify with a different third character, ist edge of pavement, 422 = 2nd edge of pavement, and so on.
	Begin continuous features with a "BL " End line with "EL*" Close line with "CL " denote Start of Curve with "PC " Denote End of Curve with "PT "
	POINT NUMBERING GUIDELINES AND NOTES

Quantity	From Inch-Pound Units	To Metric Units	Multiply By
Length	* mile (U.S. Statute) mile (international) yard foot * foot (U.S. Survey) inch	m km m m m mm mm	1609.347 <u>1.609344</u> <u>0.9144</u> <u>0.3048</u> 0.30480061 <u>304.8</u> <u>25.4</u>
Area	* square mile (U.S. Statute) * acre square yard square foot square inch	km <sup>2</sup> m <sup>2</sup> ha (10,000 m <sup>2</sup> ) m <sup>2</sup> m <sup>2</sup> mm <sup>2</sup>	2.589998 4046.873 0.4046873 <u>0.83612736</u> <u>0.09290304</u> <u>645.16</u>
Volume	acre foot cubic yard cubic foot cubic foot 100 board feet gallon 1000 gallons cubic inch	m <sup>3</sup> cm <sup>3</sup> L (1000 cm <sup>3</sup> ) m <sup>3</sup> L (1000 cm <sup>3</sup> ) kL (1000 L) cm <sup>3</sup> mm <sup>3</sup>	1233.4894 0.7645549 28316.85 28,31685 0.02831685 0.235974 3.785412 × 10 <sup>-3</sup> 3785412 × 10 <sup>-3</sup> 3785412.

Note: Underline denotes exact number.

\* Any data, in feet, derived from and published as a result of geodetic surveys will remain with the U.S. Survey foot including all stationing, land measure, and coordinate conversions.

The U.S. Survey foot, as established in the U.S. Metric Law of 1886, is based on the relationship of 1 m = 39.37 inches or 1 foot = 1200/3937 m. All conversion factors for units of land measure in this table referenced to this footnote (\*) are based on the U.S. Survey foot.

## **CONVERSION TABLES**

CODE	DESCRIPT	ION			CODE		DESCRIPTION			
16	Archeological Site	L			32	Tree (Generic)				A
72	Bench Mark			A	18	Trench Scar		L		
99	Berm	L	D		13	Wall (type)		L	D	A
09	Bore Hole				07	Water Elevation (w date)				A
11	Bottom of Bank	L	D		04	Wet Area (Outline)		L	D	
31	Boulder (solitary rock)									
24	Break Line (w/description)	L	D	A						
34	Brush Line	L								
02	Dam	L	D							
01	Dike	L	D							
21	Ditch (man made, Irrigation)	L	D							
20	Drainage Flow Line	L	D							
23	Edge of Water	L	D							
05	Grave	L								
27	Ground Shot		D							
29	High or Low Point		D							
08	Overhang (plan only)									
25	Ridge Line	L	D							
30	RipRap	L	D							
28	Rock (point feature)		D							
26	Rock Outcrop	L	D			L = connect lines				
03	Spring, Seep		D			D = incl. in DTM				
19	Stream	L	D			A = Attribute				
73	Temp Bench Mark (w/description)			А						
12	Top of Bank	L	D							
06	Trail	L	D							

CODE	DESCRIPTION				CODE	DESCRIPTION			
01	Dike	L	D		32	Tree (Generic)			А
02	Dam	L	D		34	Brush Line	L		
03	Spring, Seep		D		72	Bench Mark			A
04	Wet Area (Outline)	L	D		73	Temp Bench Mark (w/description)			A
05	Grave	L			99	Berm	L	D	
06	Trail	L	D						
07	Water Elevation (w date)			A					
08	Overhang (plan only)								
09	Bore Hole								
11	Bottom of Bank	L	D						
12	Top of Bank	L	D						
13	Wall (type)	L	D	A					
16	Archeological Site	L							
18	Trench Scar	L							
19	Stream	L	D						
20	Drainage Flow Line	L	D						
21	Ditch (man made, Irrigation)	L	D						
23	Edge of Water	L	D			L = connect lines			
24	Break Line (w/description)	L	D	Α		D = incl. in DTM			
25	Ridge Line	L	D			A = Attribute			
26	Rock Outcrop	L	D						
27	Ground Shot		D						
28	Rock (point feature)		D						
29	High or Low Point		D						
30	RipRap	L	D						
31	Boulder (solitary rock)							Vegeta	

CODE	DESCRIPTION				CODE	DESCRIPTION		
79	Antenna				50	Utility Pedestal (type)		A
80	CATV Line (OH)	L			39	Utility Pole (w/description)		A
81	CATV Line (UG)	L			100	Valve, Gas		
95	Culvert (type, size)	L		Α	101	Valve, Water		
21	Ditch (man made, Irrigation)	L	D		105	Vault	L	A
20	Drainage Flow Line	L	D		106	Vent		A
96	Drop Inlet (4 shots)	L			103	Water Faucet		
82	Electric Line (OH)	L			88	Water Line (UG)	L	
83	Electric Line (UG)	L			56	Well		
84	Fiber Optic Line (OH)	L						
85	Fiber Optic Line (UG)	L						
102	Fire Hydrant							
89	Gas Line (UG)							
22	Guy Anchor							
104	Invert	L		А				
97	Light Pole							
98	Manhole (type)			Α				
94	Pipe Line (w\description)	L		Α		L = connect lines		
14	Sanitary Sewer Invert					D = incl. in DTM		
35	Septic Tank (extents?)	L				A = Attributes		
15	Storm Sewer Invert							
36	Street Light (gantry type)					(UG)=Underground		
86	Telephone Line (OH)	L				(OH)=Overhead		
87	Telephone Line (UG)	L						
37	Traffic Signal (w/description)			Α				
38	Utility Meter (w/description)			Α				

CODE	DESCRI	PTION			CODE		DESCRIPTION	
14	Sanitary Sewer Invert				97	Light Pole		
15	Storm Sewer Invert				98	Manhole (type)		A
20	Drainage Flow Line	L	D		100	Valve, Gas		
21	Ditch (man made, Irrigation)	L	D		101	Valve, Water		
22	Guy Anchor				102	Fire Hydrant		
35	Septic Tank (extents?)	L			103	Water Faucet		
36	Street Light (gantry type)				104	Invert	L	A
37	Traffic Signal (w/description)			Α	105	Vault	L	A
38	Utility Meter (w/description)			Α	106	Vent		A
39	Utility Pole (w/description)			Α				
50	Utility Pedestal (type)			Α				
56	Well							
79	Antenna							
80	CATV Line (OH)	L						
81	CATV Line (UG)	L						
82	Electric Line (OH)	L				L = connect lines		
83	Electric Line (UG)	L				D = incl. in DTM		
84	Fiber Optic Line (OH)	L				A = Attributes		
85	Fiber Optic Line (UG)	L						
86	Telephone Line (OH)	L				(UG)=Underground		
87	Telephone Line (UG)	L				(OH)=Overhead		
88	Water Line (UG)	L						
89	Gas Line (UG)							
94	Pipe Line (w\description)	L		Α				
95	Culvert (type, size)	L		Α				
96	Drop Inlet (4 shots)	L						

CODE	DESCRIPTION				CODE DESCRIPTION	
52	Bollard					
51	Cattle Guard (4 shots)	L				
45	Centerline	L	D			
46	Curb	L	D	A		
65	Delineator					
44	Driveway (material)	L	D	А		
40	Edge of Concrete	L	D			
41	Edge of Gravel	L	D			
42	Edge of Pavement	L	D		L = connect lines	
53	Fence (w/description)	L		Α	D = incl. in DTM	
55	Flag Pole				A = Attributes	
54	Gate (2 shots)	L				
48	Guardrail (type)	L		Α		
49	Mail Box					
61	Mile Post Marker (w/description)			Α		
57	Post (w/description)			Α		
43	Pullout (material)	L	D	Α		
58	Sidewalk	L	D			
60	Sign (w/description)			Α		
	Sign Double Post (w/Descripton)			Α		
	Sign, Stop					
63	Sign, Yield					
47	Striping (w/description)	L		A		
59	Wheel Stop					

41	Edge of Concrete			(	CODE	DESCRIPTION		
41		L	D					
42	Edge of Gravel	L	D					
	Edge of Pavement	L	D					
43 I	Pullout (material)	L	D	А				
44 [	Driveway (material)	L	D	А				
45 (	Centerline	L	D					
46 (	Curb	L	D	А				
47	Striping (w/description)	L		А				
48 (	Guardrail (type)	L		А				
49 1	Mail Box							
51 (	Cattle Guard (4 shots)	L						
52 I	Bollard							
53 I	Fence (w/description)	L		A				
54 (	Gate (2 shots)	L						
55 I	Flag Pole							
57 I	Post (w/description)			А				
58	Sidewalk	L	D					
59 \	Wheel Stop							
60	Sign (w/description)			А	L = conne	ct lines		
61	Mile Post Marker (w/description)			А	D = incl. in	ו DTM		
62	Sign, Stop				A = Attribu	utes		
63 5	Sign, Yield							
64	Sign Double Post (w/Descripton)			А				
65 I	Delineator							

CODE 75	DESCRIPTION Bearing Object (w\description)			A	CODE DESCRIPTION
	Bench Mark			A	
	Bridge Abutment	L	D	~	
	Bridge Deck				L = connect lines
	Bridge Pier				D = incl. in DTM
	Building Corner		D		A = Attribute
	Misc Line Feature (w\description)			Α	
	Misc Line Feature (w\description)	 L	D	A	
	Misc Point Feature (w\description)			A	
	Misc. Note			A	
70	Primary Control Monument			Α	
	Property Monument (w/description)			A	
	Remote Object Elevation				
77	Steps, Stairs (4 shots min)	L	D		
76	Structure	L	D		
73	Temp Bench Mark (w/description)			Α	
71	Temp Control PT			Α	
					Structures,Contro & Misc. (Alpha

CODE	DESCRIPTI	ON			CODE		DESCRIPTIO	NC	
66	Building Corner	L	D						
67	Bridge Abutment	L	D						
68	Bridge Deck	L							
69	Bridge Pier	L			L = cor	nnect lines			
70	Primary Control Monument			А	D = inc	I. in DTM			
71	Temp Control PT			Α	A = Att	ribute			
72	Bench Mark			А					
73	Temp Bench Mark (w/description)			А					
74	Property Monument (w/description)			А					
75	Bearing Object (w\description)			А					
76	Structure	L	D						
77	Steps, Stairs (4 shots min)	L	D						
78	Remote Object Elevation								
90	Misc Point Feature (w\description)			Α					
91	Misc Line Feature (w\description)	L		Α					
92	Misc Line Feature (w\description)	L	D	А					
93	Misc. Note			Α					