#### Attribute Table

STATION: The designation or name for the control point, commonly, the information stamped on the DISK.

- TOWNCODE: A numeric value which identifies which town a control point is in. Please see Table tblTownName for the accompanying town name.
- SEQ: The sequence number, a numeric value assigned to the control point within the town where it is located. Every control point has a unique TOWNCODE/SEQ combination.
- LATD, LATM, LATS and LOND, LONM, LONS: The latitude and longitude of each control point expressed in degrees, minutes, and seconds on the North American Datum of 1983, (NAD83). Control points with scaled coordinates are rounded to the nearest second of arc.

ORDER: An indicator of the accuracy or quality of the horizontal coordinates.

→ Primary source stations for extending horizontal control:

		and by the second of the office of the offic	
A or B	HARN	The National Standard	NGS or NHDOT
10	First-order	Ties to CORS	NHDOT
11	First-order	Most reliable	NGS & NHDOT
21	Second-order	Very good	NGS & NHDOT
31	Third-order	Good	NGS, NHDOT, USGS & Others
$\rightarrow$	Stations not recommended for t	he extension of horizonta	al control, for plotting only.
35	Third-order	Values transformed with	n NADCON
40	Fourth-order	Intersection Stations, i.e	e. Radio or Fire Towers
41	Fourth-order	Monumented intersection	on or no-check stations
45	Fourth-order	Values transformed with	n NADCON
75	Mapping GPS	1 to 5 meter location fro	m Pathfinder-type GPS
99	Scaled coordinates	General location only	SCALED

AGENCY: Group that generated the Horizontal Coordinate Data

- NGSNational Geodetic SurveyNHDOTNHDOT Geodetic Survey SectionUSGSU.S. Geological SurveySCALEDScaled from a USGS Topographic MapOTHER2Company or A grow that absorbed the star
- OTHER? Company or Agency that observed the station

SOURCE: The source of the Horizontal Coordinate Data.

NGS	National Geodetic Survey or Coast and Geodetic Survey datasheets
NHDOT	NH Department of Transportation, the modern era
OPUS	NGS Online Users Positioning Service
NHDPWH	New Hampshire Department of Public Works and Highways, before 1980
USGS	USGS datasheets
NADCON	Transformed from NAD27 with NADCON Software (see also T10-NC)
T10-NC	Trav10 Adjustment, NADCON conversion
GPS	GPS project
??-ADJ	NHDOT Geodetic Survey or Photogrammetric Contractor (?? = State Job Code)
HH-GPS	1 to 5 meter Hand Held GPS
SCALED	Scaled from a USGS Topographic Map

NORTHINGM and EASTINGM: The New Hampshire State Plane Coordinate values of the control point, Northing (Y) and Easting (X), on NAD83, in meters. Values of points with scaled coordinates are rounded to the nearest meter.

HorDatum: NAD83, NAD83, NAD83, NAD83,	The Hor /86 1 /92 1 /96 1 /07 1	izontal North A North A North A North A	Datum a merican merican merican merican	nd Adjustment I Datum of 1983, Datum of 1983, Datum of 1983, Datum of 1983,	Date of t 1986 Ao 1992 Ao 1996 Ao 2007 Ao	he contr djustmer djustmer djustmer djustmer	ol point. ht ht ht ht
CONVM and CO	ONVS: ( The conv → (	Conver vergenc Grid Az	gence Ar ce angle i imuth + N	ngle in minutes a is the difference Map Angle = Ge	and seco betwee odetic A	onds of a n True ( zimuth	rc, also known as the. Map Angle. Geodetic) North and Grid North.
SCALE: The sc	ale factor, Coordina ellipsoid. $\rightarrow$ ( $\rightarrow$ (	, a valu ate Syst Scale F Combin	e which a tem. A se actor X ted Facto	a distance must ea level factor m Sea Level Facto or X Observed I	be mult ust also or = Distance	plied by be appl = Cor e = Gric	to place it on the State Plane ed to reduce the distance to the nbined Factor I Distance
ELEV29:	Height in	meters	s (elevati	on) above the N	ational (	Geodetic	Vertical Datum of 1929 (NGVD29).
ELEV88:	Height in	meters	s (elevati	on) above the N	orth Am	erican V	ertical Datum of 1988 (NAVD88).
ELORDER or E	LO88 (	Quality	of the He	eight (elevation)			
10 to 19	First-ord	er	Most reli	iable	10 11	NGS NHDOT	
20 to 29	Second-	order	Very goo	bd	20 21	NGS NHDOT	
30 to 39	Third-ord	ler	Good		22 30 31 32	NGS NHDOT	/USGS GPS w/Geoid99, 03 or 09)
40 to 49 Pre-200 50 to 59 Trigono 90 to 99 Scaled Note: Orders 40		) GPS netric leight fro and laro	om USG ger shoul	Good to nearest Good to nearest S map Id not be used fo	1/2 foo foot 98 or precis	USGS/I e elevat	NHDOT
ELSOURCE or NGS USGS NHDOT ?? ??-ADJ NHGS MON VTCON SCALE	ELS88: S	Source of Elevation Data. National Geodetic Survey United State Geological Survey NH Department of Transportation or Department of Public Works and Highways NHDOT Geodetic Survey Section, Differential Levels (?? = State Job Code) NHDOT Geodetic Survey Section, Trigonometric Levels (?? = State Job Code) New Hampshire Geodetic Survey (Public Works Administration, Circa 1930s) Photogrammetric Contractor Transformed to/from NAVD88 with Vertcon Scaled from a USGS Topographic Map					
ELTYPE: Method us DIFF Di TRIG Tr GPS 3- SCALED So		used to Differen Trigono 3-D Sat Scaled	determir tial leveli metric lev ellite Pos from a U	ne elevation or h ing (most precise veling (vertical a sitioning (GPS ve SGS Topograph	eight e) Ingle ob ectors) iic Map	servatio	าร)
DELTA8829:	Differenc → N	ce in me NAVD8	eters betv 8 - NGVI	ween NGVD29 a D29 = DELTA88	and NA\ 29	′D88	

For more information, please contact Brian Easler NHDOT Survey Office, <u>beasler@dot.state.nh.us</u>

GEOID09:	Geoid height, the separation in meters from the ellipsoid to the geoid.				
PID: The point's Perma survey in the NGS		Perman e NGS c	ent Identifying number (PID) as assigned by the National Geodetic data base.		
ADJDATE	Date of Ho	ate of Horizontal Adjustment if known.			
ELDATE	Date of Ve	rtical Adj	ustment if known.		
NORTH_83_86 or NORTH_83_8 Superceded coordir EAST_83_86 Superceded coordir SOURCE_86 Source of the NAD8			nates on the NAD83, 1986 Adjustment – for historical reference only. nates on the NAD83, 1986 Adjustment – for historical reference only. 83, 1986 Adjustment coordinates.		
TownID numeric https://www.nh.gov/dot/ catalog/documents/201		c gov/dot/ ents/201	NH DOT Town code. See appendix at org/projectdevelopment/planning/gis-data- 3RDIUserGuide_Oct30.pdf		
Sequence	numerio	c	Marker sequence within town		
StationDescription or StationDes text		S	Description of station and navigation directions		
GPSAble	coded		Y=yes, N=no		
MonumentingAgenc	cy or Monum text	ientin	Monumenting Agency		
YearSet	YYYY		Year Set		
RecoveryCondition	or Recovery coded	Co G N O P X	Good Not Recoverd, Not Found Other Poor, Disturbed, Mutilated, Requires Maintenance Destroyed		
RecoveringAgency	or Recoverir text	ng	Recovering Agency		
DateRecovered or D	DateRecove text		Date Recovered		
Monumentation or Monumentat text			Type of monument		
MarkerType	coded	B DB DD DH DJ DQ	Bolt Bench Mark/Vertical Control Disk Survey Disk Horizontal Control Disk Tidal Station Disk Calibration Base Line Disk		

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	DR DZ H L N O Q R TW	Reference Mark Disk Azimuth Mark Disk Drill Hole Metal Rod/Rebar Landmark Nail Other Chiseled Square/Triangle/Circle Rivet Tower
Stamping	text	Monument stamping
Sketch	coded	Yes/y = sketch available, No = No sketch
TOWNNAME	text	Town Name
COUNTYCODE	numeric	FIPS County Code
STATE	coded	NH = New Hampshire
MarkerDescription or Ma	arkerDesc text	Marker description
RecoveryConditionDesc	c or Recovery_1 text	Recovery condition