

Newmarket Area Vertical Control Benchmarks

Vertical Control Benchmarks available for download: <http://findit.york.ca/opendata>

Sources: The Regional Municipality of York, 2016, Queen's Printer for Ontario, 2014

BM_NO	BM_TYPE	ELEVATION	LATITUDE	LONGITUDE	UTM NORTH	UTM EAST	VERT_ORDER	ESTABLISHED BY	STATUS	STATUS COMMENT	ONTARIO COSINE STN #	INSPECTION DATE	INSPECTION COMMENT	Closest Civic Address*	FULL DESCRIPTION	OLD FULL DESCRIPTION
8	Tablet	262.5					Unknown	Newmarket	Unknown					828 Davis Dr	(ELEVATION BY R.M.Y.) One storey brick building housing various commercial enterprises on the south side of Davis Drive #826 (Y.R. 31), 0.2 km east of Alexander Road. Tablet set horizontally in east wall, 7.3 metres south of northeast corner and 30 cm above ground level.	
23	Tablet	274.360					Unknown	Newmarket	Unknown	Listed as Existing - per Ontario COSINE report JAN 2017	05419999923			17365 Yonge St	(ELEVATION BY M.T.O.) One-storey concrete block building at the northeast corner of the intersection of Highway #11 and Millard Avenue. Tablet set horizontally in north wall, 8.2 metres east of northwest corner and 1.0 metres above ground level.	
24	Tablet	266.990					Unknown	Newmarket	Unknown	Listed as Existing - per Ontario COSINE report JAN 2017	054199999054			17255 Yonge St	(ELEVATION BY M.T.O.) One storey concrete block and brick building in the Yonge Central Plaza at the southeast corner of the intersection of Yonge Street (Hwy. 11) and Gladman Avenue. Tablet set horizontally in north wall, 4.5 metres east of northwest corner and 25 cm above ground level.	
475-69	Tablet	286.775	44.06667	79.417777			Unknown	DHO	Unknown	Building no longer exists. However listed as Existing - per Ontario COSINE report JAN 2017	00819698475			1250 Davis Dr	(Route 47) One and one half storey brick house on the south side of Davis Drive (Y.R. 31), 1.5 km west of junction of Woodbine Avenue (Y.R. 8) and Davis Drive at Newmarket, 0.5 km east of Leslie Street (Y.R. 12), 28.7 metres south of the existing centreline of Davis Drive. tablet set horizontally in east face of stone foundation, 7.8 metres south of northeast corner, 27 cm below brickwork.	(Route 47) One and one half storey brick house (owned by Mr. Renninger) on the south side of Davis Drive (Y.R. 31), 1.5 km west of junction of Woodbine Avenue (Y.R. 8) and Davis Drive at Newmarket, 0.5 km east of Leslie Street (Y.R. 12), 28.7 metres south of the existing centreline of Davis Drive. tablet set horizontally in east face of stone foundation, 7.8 metres south of northeast corner, 27 cm below brickwork.
52	Tablet	250.97					Unknown	Newmarket	Unknown					505 Kent Dr	(ELEVATION BY R.M.Y.) One storey brick building on the east side of Kent Drive #505, 172 metres north of Mulock Drive (Y.R. 74). Tablet set horizontally in south wall, 6.40 metres east of southwest corner of building and 16 cm above ground level.	
55-300	Tablet	269.62					Unknown	RMV	Unknown	Structure does not exist as described				16635 Yonge St	One storey metal clad building (York Regional Pumping Station #13) at the east side of Highway #11, 322 metres south of Mulock Drive (Y.R. 74). Tablet set horizontally in south face of concrete foundation wall, 10 cm east of southwest corner of building. (accessible by appointment only)	
55-500	Tablet	268.7					Unknown	RMV	Unknown	Structure does not exist as described				31 Gladman Ave	York Regional water tower at the northeast corner of the intersection of Highway #11 and Gladman Avenue in the Town of Newmarket. Tablet set vertically in southeast corner of concrete valve chamber cover at the west side of tower. (accessible by appointment only)	
55-600	Tablet	274.71					Unknown	RMV	Unknown					17975 Yonge St	York Regional water spheroid 175 metres north of London Road and 53 metres east of existing centreline of Highway #11 in the Town of Newmarket. Tablet set horizontally in north face of concrete tower, 1.4 metres east of centre of double doors and 40 cm above ground level. (accessible by appointment only)	
56-100	Tablet	285.59					Unknown	RMV	Unknown	YR water tower located at 1145 Davis Dr (246.75 metres east of Leslie)				1195 Davis Dr (as described)	York Regional water tower at the north side of Davis Drive (Y.R. 31), 402 metres east of Leslie Street (Y.R. 12). Tablet set vertically in concrete base for centre leg of tower. (accessible by appointment only)	
505-5	Tablet	247.870					Unknown	GSC	Unknown	Listed as Existing - per Ontario COSINE report JAN 2017	0011931U5055			180 Main St S	(Quadrant 44079 S.E.) (Page 10, Rev. #2 Jan. 1981) Two storey brick and stone building (Post Office) at the southwest corner of the intersection of Main Street and Park Avenue in the Town of Newmarket. Bench mark plate set horizontally in north face of watertable course of stonework of north foundation wall, 10.6 metres west of northeast corner of building, 1.2 metres above sidewalk.	
728023	Tablet	282.517	44.05056	79.484444			Unknown	DHO	Unknown	New construction. Listed as Existing - per Ontario COSINE report JAN 2017	00819728023			219 or 225 Davis Dr W	(Route 81) Frame barn on north side of Highway #9, 2.5 km west of junction of Davis Drive (Y.R. 31) and Main Street in the Town of Newmarket, 1.3 km east of Bathurst Street (Y.R. 38), 0.9 km west of junction of Highway #9 and Highway #11, and 169.5 metres north of existing centreline of Highway #9. Tablet set horizontally in south face of stone foundation, 1.13 metres west of most southeasterly corner of main part of barn and 1.25 metres below framework.	(Route 81) Frame barn (owned by Mrs. C. Toth) on north side of Highway #9, 2.5 km west of junction of Davis Drive (Y.R. 31) and Main Street in the Town of Newmarket, 1.3 km east of Bathurst Street (Y.R. 38), 0.9 km west of junction of Highway #9 and Highway #11, and 169.5 metres north of existing centreline of Highway #9. Tablet set horizontally in south face of stone foundation, 1.13 metres west of most southeasterly corner of main part of barn and 1.25 metres below framework.
728024	Tablet	261.000	44.05083	79.468055			Unknown	DHO	Unknown	Listed as Existing - per Ontario COSINE report JAN 2017	00819728024			130 Wilstead Dr	(Route 81) Two storey brick building (Mr. Grocer) in Newmarket Plaza on south side of Davis Drive (Y.R. 31), 1.4 km west of junction of Davis Drive and Main Street in the Town of Newmarket, 268.2 metres east of Highway #11 and 87.8 metres south of existing centreline of Davis Drive. Tablet set horizontally in west face of concrete foundation, 3.54 metres north of southwest corner and 9 cm below brickwork.	
DCXXXIX	Tablet	236.694					Unknown	GSC	Unknown	Listed as Existing - per Ontario COSINE report JAN 2017	0011905U639			Timothy St & Doug Duncan Dr	(61) (Quadrant 44079 S.E.) (Page 10, Rev. #2, Jan. 1981) C.N.R. Bridge over Holland River, 0.8 km south of Newmarket Station, 45.7 metres north of the existing centreline of Timothy Street. Bolt set horizontally in east face of east stone retaining wall at north end of bridge, second course above bridge seat.	
DCXXXVIII	Tablet	246.4					Unknown	GSC	Unknown					Behind Paul Semple Park (145 Savage Rd), east of Holland River	(Elev. by R.M.Y.) (From Original publication #19, Page 26) Large stone and concrete box culvert under C.N.R., 3.62 km north of Aurora Station, 865.6 metres south of Mulock Sideroad (Y.R. 74) Bolt set horizontally in west face of south stone retaining wall at west end of culvert, first course below top slab.	

*Status notes and closest civic address by Town of Newmarket GIS, x2306, 23-Jan-2017

Newmarket Benchmarks - "Existing"

STATION : 0011905U639

Also known as: 00105U639, 05U639, DCXXXIX, VA303
 Monument status: Existing
 Station type: SPIR

Horizontal datum:	NAD-1927:SCAL
Horizontal accuracy:	UNCLASSIFIED
Latitude:	N44 °3 '17.9xxxx "
Longitude:	w79 °27 '28.0xxxx "
Ellipsoidal elevation:	237.xxx
Ellipsoidal elevation order:	Unclassified
UTM-17 Easting:	E623536.xxx
UTM-17 Northing:	N4878921.xxx
UTM-17 Cmbd sc-fact:	0.99975054
UTM-17 Mrdnl convg:	1 °04 '21.1 "
MTM-10 Easting:	E308183.xxx
MTM-10 Northing:	N4879230.xxx
MTM-10 Cmbd sc-fact:	0.99986298
MTM-10 Mrdnl convg:	0 °01 '45.7 "

Vertical datum: CGVD-1928:1978
 Vertical accuracy: First order
 Orthometric elev: 236.693
 Meridional defl:
 Prime vert defl:
 Undulation: **Closest Civic Address: Timothy St & Doug Duncan Dr**

Location: Township: NEWMARKET C.N.R., BRIDGE OVER HOLLAND RIVER, 0.8 KM SOUTH OF STATION, BOLT IN EAST FACE OF EAST STONE RETAINING WALL AT NORTH END OF BRIDGE, SECOND COURSE ABOVE BRIDGE SEAT.

Maintenance: GSC; last inspected: --
 Other vert data [ord]: CGVD2013 [1]
 Number of Ref Sketches: 0

STATION : 0011931U505S

Also known as: 00131U505S, 31U505S, 505S, VA303
 Monument status: Existing
 Station type: SPIR

Horizontal datum:	NAD-1927:SCAL
Horizontal accuracy:	UNCLASSIFIED
Latitude:	N44 °3 '17.9xxxx "
Longitude:	w79 °27 '36.0xxxx "
Ellipsoidal elevation:	248.xxx
Ellipsoidal elevation order:	Unclassified
UTM-17 Easting:	E623358.xxx
UTM-17 Northing:	N4878918.xxx
UTM-17 Cmbd sc-fact:	0.99974827
UTM-17 Mrdnl convg:	1 °04 '15.5 "

MTM-10 Easting:	E308005.xxx
MTM-10 Northing:	N4879230.xxx
MTM-10 Cmbd sc-fact:	0.99986124
MTM-10 Mrdnl convg:	0 °01 '40.1 "
Vertical datum:	CGVD-1928:1978
Vertical accuracy:	First order
Orthometric elev:	247.870
Meridional defl:	
Prime vert defl:	
Undulation:	Closest Civic Address: 180 Main St S (Old Clock Tower)
Location:	Township: NEWMARKET POST OFFICE, TABLET IN WATER-TABLE COURSE OF STONEWORK OF NORTH FOUNDATION WALL, 8.2 M WEST OF ENTRANCE.
Maintenance:	GSC; last inspected: --
Other vert data [ord]:	CGVD2013 [1]
Number of Ref Sketches:	0

STATION: 00819698475

Also known as:	475-69
Monument status:	Existing
Monument type:	BM
Station type:	SPIR
Horizontal datum:	NAD-1927:SCAL
Horizontal accuracy:	UNCLASSIFIED
Latitude:	N44 °4 '00.0xxxx "
Longitude:	w79 °25 '24.0xxxx "
Ellipsoidal elevation:	287.xxx
Ellipsoidal elevation order:	Unclassified
UTM-17 Easting:	E626270.xxx
UTM-17 Northing:	N4880269.xxx
UTM-17 Cmbd sc-fact:	0.99975110
UTM-17 Mrdnl convg:	1 °05 '48.1 "
MTM-10 Easting:	E310941.xxx
MTM-10 Northing:	N4880528.xxx
MTM-10 Cmbd sc-fact:	0.99985546
MTM-10 Mrdnl convg:	0 °03 '12.0 "
Vertical datum:	CGVD-1928:1978
Vertical accuracy:	First order
Orthometric elev:	286.775
Meridional defl:	
Prime vert defl:	
Undulation:	Closest Civic Address: 1250 Davis Dr. *Building no longer exists
Location:	475-69: ONE AND ONE-HALF STOREY BRICK HOUSE (OWNED BY MR. EARL WALTON) ON SOUTH SIDE OF DAVIS DR, 1.5 KM WEST OF JCT OF WOODBINE AVE (REGIONAL RD 8) AND DAVIS DR AT NEWMARKET, 0.5 KM EAST OF SUTTON RD AND 28.7 M SOUTH OF CENTERLINE OF DAVIS DR. TABLET IS SET HORIZONTALLY IN EAST FACE OF STONE FOUNDATION, 7.8 M SOUTH OF N.E. CORNER AND 27 CM BELOW BRICKWORK.

Maintenance:	MTO	
Other vert data [ord]:		CGVD2013 [1]
Number of Ref Sketches:		0

STATION: 00819728023

Also known as:	728023
Monument status:	Existing
Monument type:	BM
Station type:	SPIR

Horizontal datum:	NAD-1927:SCAL
Horizontal accuracy:	UNCLASSIFIED
Latitude:	N44 °3 '12.0XXXX "
Longitude:	W79 °29 '24.0XXXX "
Ellipsoidal elevation:	283.xxx
Ellipsoidal elevation order:	Unclassified
UTM-17 Easting:	E620958.xxx
UTM-17 Northing:	N4878688.xxx
UTM-17 Cmbd sc-fact:	0.99973557
UTM-17 Mrdn1 convg:	1 °03 '00.3 "
MTM-10 Easting:	E305601.xxx
MTM-10 Northing:	N4879044.xxx
MTM-10 Cmbd sc-fact:	0.99985563
MTM-10 Mrdn1 convg:	0 °00 '25.0 "

Vertical datum:	CGVD-1928:1978
Vertical accuracy:	First order
Orthometric elev:	282.517
Meridional defl:	
Prime vert defl:	

Undulation: **Closest Civic Address: 219 or 225 Davis Dr W.**

Location: 728023: FRAME BARN (OWNED BY MRS. C. TOTH) ON NORTH SIDE OF HWY 9, 2.5 KM WEST OF JCT OF DAVIS DR AND MAIN ST IN THE TOWN OF NEWMARKET, 1.3 KM EAST OF KING TWP CON RD 2, 0.9 KM WEST OF JCT OF HWYS 9 AND 11 AND 169.5 M NORTH OF CENTERLINE OF HWY 9. TABL ET IS SET HORIZONTALLY IN SOUTH FACE OF STONE FOUNDATION, 1.13 M WEST OF S.E. CORNER OF MILK HOUSE AND 1.25 M BELOW FRAMEWORK.

Maintenance:	MTO	
Other vert data [ord]:		CGVD2013 [1]
Number of Ref Sketches:		0

STATION: 00819728024

Also known as:	728024
Monument status:	Existing
Monument type:	BM
Station type:	SPIR

Horizontal datum:	NAD-1927:SCAL
Horizontal accuracy:	UNCLASSIFIED
Latitude:	N44 °3 '17.9XXXX "

Longitude:		w79 °28 '30.0xxxx "
Ellipsoidal elevation:		261.xxx
Ellipsoidal elevation order:		Unclassified
UTM-17 Easting:		E622156.xxx
UTM-17 Northing:		N4878895.xxx
UTM-17 Cmbd sc-fact:		0.99974260
UTM-17 Mrdnl convg:		1 °03 '37.9 "
MTM-10 Easting:		E306803.xxx
MTM-10 Northing:		N4879229.xxx
MTM-10 Cmbd sc-fact:		0.99985912
MTM-10 Mrdnl convg:		0 °01 '02.6 "
Vertical datum:		CGVD-1928:1978
Vertical accuracy:		First order
Orthometric elev:		261.000
Meridional defl:		
Prime vert defl:		
Undulation:		
	Closest Civic Address: 130 Davis Dr. (Value Village)	
Location:	728024: TWO STOREY YELLOW BRICK BUILDING (DOMINION STORES) IN NEWMARKET PLAZA ON SOUTH SIDE OF DAVIS DR, 1.4 KM WEST OF JCT OF DAVIS DR AND MAIN ST IN THE TOWN OF NEWMARKET, 268.2 M EAST OF HWY 11 AND 87.8 M SOUTH OF CENTERLINE OF DAVIS DR. TABLET IS SET HORIZONTALLY IN WEST FACE OF CONCRETE FOUNDATION, 3.54 M NORTH OF S.W. CORNER AND 9 CM BELOW BRICKWORK.	
Maintenance:	MTO	
Other vert data [ord]:		CGVD2013 [1]
Number of Ref Sketches:		0

STATION: 054199999054

Also known as:		0549999054, NMK #24
Monument status:		Existing
Horizontal datum:		NAD-1927:SCAL
Horizontal accuracy:		UNCLASSIFIED
Latitude:		N44 °2 '54.0xxxx "
Longitude:		w79 °28 '42.0xxxx "
Ellipsoidal elevation:		267.xxx
Ellipsoidal elevation order:		Unclassified
UTM-17 Easting:		E621903.xxx
UTM-17 Northing:		N4878150.xxx
UTM-17 Cmbd sc-fact:		0.99974090
UTM-17 Mrdnl convg:		1 °03 '29.1 "
MTM-10 Easting:		E306536.xxx
MTM-10 Northing:		N4878488.xxx
MTM-10 Cmbd sc-fact:		0.99985817
MTM-10 Mrdnl convg:		0 °00 '54.2 "
Vertical datum:		CGVD-1928:1978
Vertical accuracy:		First order
Orthometric elev:		266.990
Meridional defl:		

Prime vert defl:

Undulation:

Closest Civic Address: 17255 Yonge St.

Location:

NMK #24: ONE-STOREY CONCRETE BLOCK AND BRICK BUILDING AT THE S.E. CORNER OF THE INTERSECTION OF YONGE ST (HWY 11) AND GLADMAN AVE. TABLET IS SET HORIZONTALLY IN NORTH WALL, 4.5 M EAST OF N.W. CORNER AND 25 CM ABOVE GROUND LEVEL.

Number of Ref Sketches:

0

STATION : 0541999923

Also known as:

054999923, **NMK #23**

Monument status:

Existing

Horizontal datum:

NAD-1927:SCAL

Horizontal accuracy:

UNCLASSIFIED

Latitude:

N44 °3 '06.0xxxx "

Longitude:

W79 °28 '48.0xxxx "

Ellipsoidal elevation:

274.xxx

Ellipsoidal elevation order:

Unclassified

UTM-17 Easting:

E621762.xxx

UTM-17 Northing:

N4878518.xxx

UTM-17 Cmbd sc-fact:

0.99973939

UTM-17 Mrdnl convg:

1 °03 '25.2 "

MTM-10 Easting:

E306402.xxx

MTM-10 Northing:

N4878859.xxx

MTM-10 Cmbd sc-fact:

0.99985707

MTM-10 Mrdnl convg:

0 °00 '50.1 "

Vertical datum:

CGVD-1928:1978

Vertical accuracy:

First order

Orthometric elev:

274.360

Meridional defl:

Prime vert defl:

Undulation:

Closest Civic Address: 17365 Yonge St.

Location:

NMK #23: ONE-STOREY CONCRETE BLOCK BUILDING AT THE N.E. CORNER OF THE INTERSECTION OF YONGE ST #96 (HWY 11) AND MILLARD AVE. TABLET IS SET HORIZONTALLY IN NORTH WALL, 8.2 M EAST OF N.W. CORNER AND 1.0 M ABOVE GROUND LEVEL.

Number of Ref Sketches:

0

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(Ministry of Natural Resources & Forestry Control Survey Information Exchange (COSINE))

<http://www.gisapplication.lrc.gov.on.ca/cosineONT/Index.html?site=cosine&viewer=OntarioViewer&locale=en-US>

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