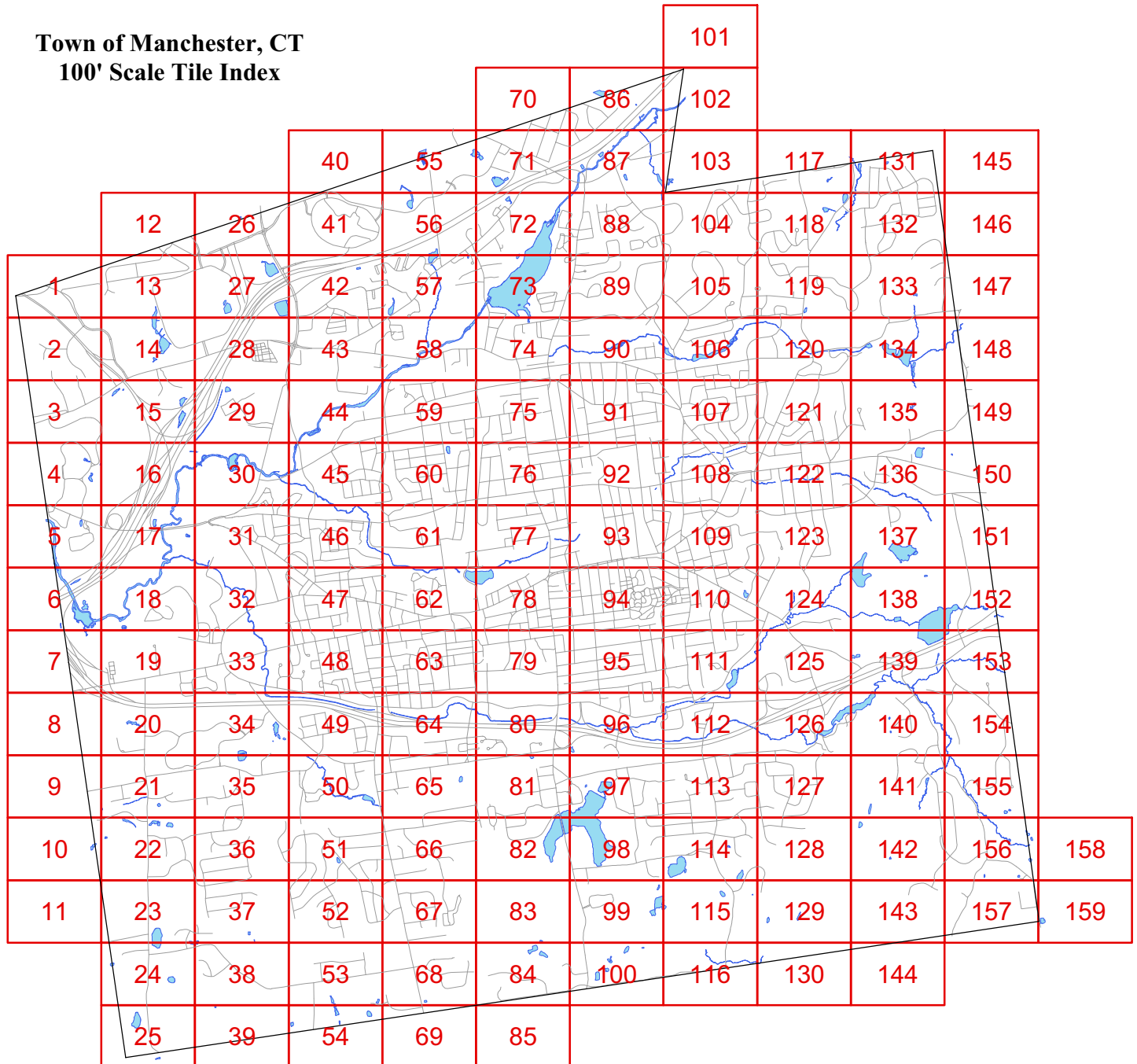




Town of Manchester, CT Geographic Information System

Data, Map Products and Policies

**Town of Manchester, CT
100' Scale Tile Index**



Adopted: January 21, 2003
Revised: September 14, 2021



**Town of Manchester
Geographic Information System
Data & Policy Information**

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PURPOSE

This policy document has been prepared to provide and make available to the public general information concerning the Town of Manchester's Geographic Information System (GIS). This document describes the data available, Geographic Information Unit contact information, general notes on the GIS data and hardcopy map products available.

GIS DATA DISCLAIMER

Please be advised that all information stored in electronic format is provided "as- is" without warranty of any kind, either expressed or implied. It is the end user's responsibility to establish that the results obtained from the use of this information are appropriate for the use intended.

Planimetric information represented in these map data originally were prepared using photogrammetric methods from photography dated April 1999. Currently, these data are updated using the best possible sources available and include engineering plans, GPS field survey data and field measurements. This information meets National Map Accuracy Standards for 1" = 40' scale data.

Utility data were created and updated using engineering plans, GPS field survey data and field measurements.

Real property is compiled from recorded deeds, filed plots plans, subdivision plans, and other public records and data. Users of these map data are hereby notified that the public primary information sources should be consulted for verification of the information contained in these map data.

Planimetric, utility (sanitary sewer and storm drainage) and real property (cadastral) GIS data are updated on a regular "as-needed" basis.

The Town of Manchester and the mapping companies who prepared these electronic data assume no legal responsibility for the information contained in these data.

NOTE: *The GIS parcel layer acreages are NOT used and should not be used for property assessment purposes nor should any of the GIS data layers be used as a surrogate to field survey data.*

CHARGES FOR CONVERSION OF SUBMITTED PLANS

At the time of approved plan submission, the Town will apply a charge of \$50 per each 24"x36" plan and \$25 for each 18"x24" or smaller plan will be added to the applicant's permit fees for GIS conversion costs.

GIS DATA DOWNLOAD

As of September 14, 2021, as approved by the Town of Manchester Board of Directors the GIS Unit will no longer charge for GIS data. The GIS data will be available to the public for free download in three formats: ESRI file geodatabase, ESRI shapefile and DXF. The GIS data files are broken into one hundred fifty-nine 2000' x 3000' tiles corresponding to the Assessor's Department tax maps. GIS data files are available for download at this website:

<https://gis1.townofmanchester.org/ManchesterDataDownload/index.html>

NOTES: *Water system data will not be included in the download files, but specific local areas can be provided upon request with the permission of the Water & Sewer Department Administrator. Storm drainage and sanitary sewer layers are included.*

1' elevation contours are provided in the data files and are derived from the CRCOG 2016 LiDAR capture project.

Digital orthophotography files are no longer provided and not included in the download files. Connecticut orthophotography data is available for free download at the UCONN ECO website:

<https://cteco.uconn.edu/index.htm>

The Town also no longer distributes wetland soils data and FIRM flood hazard data. Connecticut wetlands GIS data can be downloaded here:

<https://ct-deep-gis-open-data-website-ctdeep.hub.arcgis.com/>

and FIRM flood hazard data can be downloaded here:

<https://msc.fema.gov/portal/advanceSearch#searchresultsanchor>

CONTACT INFORMATION

Location:

Lincoln Center-2nd Floor
Engineering Division
GIS/Maps & Records Unit
494 Main Street
Manchester, CT 06040

Mailing Address:

Town of Manchester
Engineering Division
GIS/Maps & Records Unit
494 Main Street
P.O. Box 191
Manchester, CT 06045-0191

Telephone #: (860) 647-3062 *or*
(860) 647-3066

Fax #: (860) 647-3140

Email: RichG@manchesterct.gov

EDaRos@manchesterct.gov

GENERAL NOTES ON GIS DATA

Planimetric data were prepared using photogrammetric methods from aerial photography dated April 24, 1999. These data comply with National Map Accuracy Standards (NMAS) and the American Society of Photogrammetry and Remote Sensing (ASPRS) Standards for 1" = 40' scale mapping.

Cadastral (parcel) data were compiled from recorded deeds, subdivision plans and other public records following a hierarchy of accuracy and source reliability. Coordinate geometry (COGO) methods were used to automate the real property data then registered to fit the planimetric layers. Users of these map data are hereby notified that the public primary information sources should be consulted for verification of the information contained in these map data. **The parcel layer was not used for property assessment purposes, nor should this data be use as a surrogate to field survey data.**

Primary utility features were collected using conventional and GPS surveying techniques and were located to a horizontal accuracy of +/- one foot horizontal and +/- 0.5 feet vertical. All field procedures followed Federal Geodetic Control Subcommittee (FGCC) guidelines. Secondary utility features were captured by photogrammetric methods from aerial photography dated April 24, 1999, at a scale of 1" = 40' or by digitizing 1" = 100' scale utility record plans stored and maintained by the Town of Manchester Public Works and Water Departments.

All Town of Manchester data has been projected to the Connecticut State Plane Coordinate System – FIPS Zone 0600-EPSS 2234, Horizontal Datum NAD-83, and Vertical Datum NAVD-88 with US Survey Feet as units.

Data Accuracy is based on National Mapping Accuracy Standards (NMAS), i.e., 90% of well-defined visible features are within tolerance listed. It must be noted, however, that these accuracy tolerances are only suggested and are based on the conversion processes. In no way does this GIS data replace field survey data. The Town of Manchester is not legally responsible for any features that fall outside these tolerances.

Planimetric:	1" = 40' (+- 1.3')
Cadastral:	N/A (COGO)
Utility:	
Survey Capture	+/- 1.0' horizontal +/- 0.5' vertical
Photogrammetric Capture	1" = 40' (+- 1.3')
Digitized	compiled from 1" = 100' utility maps

ELECTRONIC SUBMITTAL REQUIREMENTS

NOTE: AS OF JUNE 15, 2009, THE TOWN OF MANCHESTER IS NO LONGER REQUESTING ELECTRONIC SUBMITTALS (CADD FILES) AS A REQUIREMENT OF THE APPLICATION PROCESS. THIS IS DUE TO REGULATIONS DESCRIBED IN AN OFFICIAL LETTER RECEIVED FROM THE CONNECTICUT BOARD OF EXAMNINERS FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS WHICH IS UNDER THE CT DEPARTMENT OF CONSUMER PROTECTION. THIS REGULATION STATES THAT “...*land surveyors are not permitted to release unsealed materials in violation of State statutes and regulations.*” THE AFOREMENTIONED STATUTES AND REGULATIONS REFER TO SECTION 20-300-10 OF THE *REGULATIONS OF CONNECTICUT STATE AGENCIES - PROFESSIONAL ENGINEERS AND LAND SURVEYORS* DOCUMENT LOCATED AT:

<http://www.ct.gov/dcp/lib/dcp/pdf/forms/penlsregs298.pdf>

THE TOWN OF MANCHESTER WILL NOW CHARGE A \$50 FEE FOR EACH SUBMITTED SHEET CONTAINING PUBLIC IMPROVEMENTS.

SUMMARY OF DISTRIBUTED GIS DATA LAYERS

<i>Data Group</i>	<i>Layer Name</i>	<i>Description</i>	<i>Feature Type</i>
Address	AddressPoints	address points	point
	AddressRanges	Street centerlines with address ranges	line
	StreetNames100Scale	street names for 1"=100' mapping	annotation
	ZipCodes	zip code boundaries	polygon
Control	ControlPoints	surveyed control monuments	point
Planimetrics	Aprons	driveway aprons	polygon
	AthleticFields	athletic fields	polygon
	BikePath	bike path, East Coast Greenway	polygon
	Bridges	bridges (roadway & walkway)	polygon
	Buildings	building footprints	polygon
	Cemeteries	cemeteries	polygon
	Driveways	driveways	polygon
	ParkingLots	parking lots (paved & unpaved)	polygon
	Parks	parks	polygon
	Playgrounds	playgrounds	polygon
	RadioTowers	radio towers	point
	Railroads	railroads (active & abandoned)	line
	Roads	road edge of pavement	polygon
	Sidewalks	sidewalks	polygon
	StreetCenterLines	street centerlines	line
	Streetlights	streetlights	point
	TrafficControlSigns	traffic control signs	point
	TrafficLights	traffic lights (hanging & pole mounted)	point
	UtilityPoles	utility poles	point
	UtilityTowers	High tension line towers	point
Recreation	Trails	public hiking trails	line
Topography	Man_Cont_2016	1' contours (CT-ECO 2016)	line
Hydrography	Dams	dams	polygon
	Marshes	marshes	polygon
	Streams	streams	line
	Uplands	uplands	polygon
	WaterBodies	water bodies	polygon
	WaterBodyLabels1000Scale	water body labels for 1000scale mapping	annotation
	WaterBodyLabels100Scale	water body labels for 100scale mapping	annotation
LandRecords	AcreageLabels100Scale	acreage labels for 100 scale mapping	annotation
	AddressLabels100Scale	address labels for 100 scale mapping	annotation
	DimesionLabels100Scale	dimension labels for 100 scale mapping	annotation
	EasementLabels100Scale	easements labels for 100 scale mapping	annotation
	LotLabels100Scale	lot labels for 100 scale mapping	annotation
	Parcels	parcels	polygon
	LeaderLines	leader (label) lines	line
	ParCondo	parcels with condos (circles)	polygon

LandRecords(cont.)	PrivateROWLines	private ROW lines	line
	PropertyLines	property lines	line
	PropertyPoints	property points	points
	Easements	easements	poly
	RPKEYLabels100Scale	RPKEY (PID) labels	annotation
	StreetNames100Scale	street name for 100 scale mapping	annotation
	Subdivisions	parcel based subdivision boundaries	polygon
	Takings	ROW takings	line
	TownBoundaryLines	Town boundary lines	line
Planning	Zoning	official land use zoning	polygon
	ZoningLabels	zoning labels	annotation
	Overlayzone	special regulated historic zone	polygon
Control	ControlPoints	Town survey monumentation	point
School	SchoolDistricts	school districts	polygon
Sanitary Sewer	Laterals	sewer laterals	line
	PumpStations	pump stations	point
	SanManholes	sanitary sewer manholes	point
	SewerPipeLabels100Scale	sewer pipe labels	annotation
	SewerPipes	sanitary sewer pipes	line
	TreatmentPlants	sanitary sewer treatment plants	point
Storm Drainage	Catchbasins	catchbasins	point
	DetBasOutlets	detention basin outlets	point
	DetentionBasins	detention basins	point
	DrainagePipeLabels100Scale	drainage pipe labels	annotation
	DrainagePipes	storm drainage pipes	line
	DropInlets	dropinlets	point
	Drywells	drywells	point
	Infiltrators	infiltrators	polygon
	Inlets	inlets	point
	Outlets	outlets	point
	StormManholes	storm manholes	point
	WtrQualStructures	water quality structures	point
Transportation	BusShelters	bus shelters	point
	BusStops	bus stops	point
Eighth District	EighthFireDistrict	8 th utilities fire district	polygon
	EightSewerDistrict	8 th utilities sewer district	polygon

Hardcopy (paper) Maps

<i>Map Product</i>	<i>Cost</i>
40' Scale Plan/Prop Map (24"x36")	\$10
100' Scale Plan/Prop Map (24"x36")	\$10
100' Scale Tax Map (24"x36")	\$10
100' Scale Tax Map plus Ortho (24"x36")	\$30
40' Scale Plan/Prop/Topo Map (24"x36")	\$15
100' Scale Plan/Prop/Topo Map (24"x36")	\$15
100' Scale Ortho Map (24"x36")	\$25
11"x17" Site Map	\$3
11"x17" Site Map plus Plan	\$3
11"x17" Site Map plus Plan/Topo	\$5
11"x17" Site Map plus Ortho	\$5
8.5"x11" Site Map	\$2
8.5"x11" Site Map plus Plan	\$2
8.5"x11" Site Map plus Plan/Topo	\$3
8.5"x11" Site Map plus Ortho	\$3
100' Scale Storm Drainage Map (24"x36")	\$10
100' Scale Sanitary Sewer Map (24"x36")	\$10
Folded Street Map	\$2
800' Scale Manchester Street Map (42"x42")	\$15
1000' Scale Zoning Map (36"x42")	\$25
1000' Scale B&W Zoning Map (36"x42")	\$3

Town of Manchester, CT GIS Water Data Release Form

The Water & Sewer Administrator may, in his or her sole discretion, determine if electronic water network data shall be released based on State of Connecticut exemption policies describe in PA 02-133: "*An Act Concerning the Disclosure of Security Information Under the Freedom of Information Act (FOIA)*". Please provide the following information to expedite this request:

Date: _____

Name: _____

Company/Institution: _____

Address: _____

City/State: _____

Phone: _____

E-Mail: _____

Town Contact Person: _____

Town Contact Department: _____

GIS Tile(s): _____

Purpose: _____

- ☐ Approved
- ☐ Not Approved

Water & Sewer Department Administrator

Date