

MdProperty View/FINDER Quantum/FINDER Online User's Guide



MdProperty View, now in its twentieth year with the release of the current Edition by the Maryland Department of Planning, is a series of jurisdiction-level datasets and image collections that include Planning's ArcGIS custom map document file (mxd) that allows you to quickly work with selected *MdProperty View* map and data layers. This combination of information allows you to easily view property maps or detailed street maps, locate and select parcels and display and analyze many different dataset items associated with each parcel. The ArcGIS software needed to run *MdProperty View* this can be purchased directly from Esri.



FINDER Quantum, now in its fourteenth year, is comprised of *free* QGIS software, an official project of the Open Source Geospatial Foundation (OSGeo), bundled with each *FINDER Quantum* jurisdiction download containing the map and data layers. *FINDER Quantum* users have access to the full range of map and data layers included in *MdProperty View*. This offers distinct advantages to individuals or small-business owners, who can utilize the product's GIS maps and data and powerful GIS software capabilities without purchasing Esri's ArcGIS software. Planning has developed its own QGIS custom project file (qgs) to provide users with targeted access to the *FINDER Quantum* map and data layers from within the QGIS software.



FINDER Online, now in its eleventh year, is a web-based application which contains user-friendly tools and display and navigation capabilities. *FINDER Online* includes all of the primary map and data layers included in *MdProperty View/FINDER Quantum* except for public water and Residential Sales. You can save the results of any data analyses you perform in *FINDER Online* to a .csv export file. **Note that Adobe® Flash® Player is no longer required for *FINDER Online*, *FINDER Online Lite* or *FINDER Online Mobile*.**

About Maryland's Open Data Initiative

In August of 2014, for the first time since offering digital maps depicting property maps and parcel data twenty years ago, the Maryland Department of Planning launched the distribution of *free* digital map and data layers for Maryland's 23 counties and Baltimore City under the State's Open Data Initiative. People interested in utilizing the wealth of Planning's parcel geographic information systems (GIS) data can now download the files at no cost. In addition to increasing user access, this initiative allows organizations to have access to consistent and uniform parcel based data.

To make data sought after by local governments, planners, developers, real estate professionals, academicians and others more readily available, Planning released its core property data products, *MdProperty View*, *FINDER Quantum* and *FINDER Online*, as free media. In addition to making the data freely downloadable from Planning's website, much of the information is now also hosted on Maryland's MD iMap mapping and GIS data portal.

Because of this initiative, *MdProperty View* and *FINDER Quantum*, formerly paid subscription products, can be downloaded for *free* for any of Maryland's 23 counties and Baltimore City via Planning's Open Data GIS Downloads website:

<http://planning.maryland.gov/OurProducts/downloadFiles.shtml>

Similarly, you can go directly to *FINDER Online* via MD iMap and begin using it right away at:

<http://planning.maryland.gov/finderOnline/finderonline.html>



• **Five Integrated Parcel Polygon Releases**

On the tax map side, the previous Editions of *MdProperty View/FINDER Quantum/FINDER Online* marked the release of updated and new shapefiles of parcel polygon data attributed with parcel account number (ACCTID field) and associated Parcel dataset attributes for Allegany, Calvert, Caroline, Charles, Dorchester, Garrett, Kent, Montgomery (shapefile only, no integration), Queen Anne’s, Somerset, Talbot, Washington, Wicomico and Worcester counties and Baltimore City.

For the current Edition of *MdProperty View/FINDER Quantum/FINDER Online*, Planning plans to release new parcel polygon shapefiles for Anne Arundel, Carroll, Harford, Howard and St. Mary’s counties.

• **January 2014 CAMA Data**

New to *MdProperty View/FINDER Quantum/FINDER Online* for this Edition is the release of Computer Assisted Mass Appraisal (CAMA) data from the January 2014 release of CAMA data by the State Department of Assessments and Taxation. The CAMA data in Planning’s downloadable and online products has been significantly restructured and redeveloped due to Assessment’s combining of their Residential and Commercial CAMA datasets into a single dataset in Assessment’s Integrated Property Tax Software System in 2011.

Users of Planning’s downloadable and online data can now access new, never before available commercial CAMA data characteristics as well as new, previously unavailable residential CAMA data characteristics. The CAMA datasets included in the current Edition of *MdProperty View/FINDER Quantum/FINDER Online* (example Talbot County) are:

Talbcama.shp Core characteristics, including summary building characteristics, associated with a given parcel account number – one record per parcel account number

Only available in *MdProperty View* and *FINDER Quantum*:

Talbbldg.shp Detailed building characteristics associated with a given building – one or more building records per parcel account number

Talbsuba.shp Building subarea characteristics associated with a given building – one or more subarea records per building

Talbland.shp Land categories associated with a given parcel – one or more records per parcel account number

All CAMA data released currently and later are and will also be released as downloadable shapefiles to allow *MdProperty View* and *FINDER Quantum* users to update their existing jurisdictions.



Why is this Edition the 2013/14 Edition?

For *MdProperty View* and *FINDER Quantum*, the Edition year indicates the most current year built (YEARBLT) for which a complete and comprehensive set of parcels for every jurisdiction can be assembled statewide. Using the completed 2012 Edition as the example, the Edition year began in July of 2013 when Caroline County was released and ended in November of 2014 with the release of Garrett County.

Jurisdictions released during calendar year 2013 might not contain a complete set of year built 2013 parcels until May of 2014 or later, because it typically takes until May of the following year for all calendar year Sale parcels to be included in the monthly State Department of Assessments and Taxation data downloads. For this same reason, jurisdictions released even as late as November of 2014, the final release date of the 2012 Edition, most likely would not contain a complete set of calendar year 2014 parcels because they too may take as long as May of 2015 to appear in the monthly Assessments data downloads.

Therefore for the 2012 Edition, the only complete set of year built parcels that can be reliably extracted from the 2012 databases would be year built 2012 parcels. For the 2013/14 Edition, which had an unusually extended Edition year which began in December of 2014 and which is projected to end in December of 2016, the complete sets of year built parcels that can be reliably extracted from the 2013/14 databases are year built 2013, 2014 and 2015 parcels.

However, the **Residential Sales Themes** included in this Edition of *MdProperty View* and *FINDER Quantum* only extend through and including calendar year 2014. For this reason, Planning ended the name of this Edition year at calendar year 2014, naming the current Edition year *MdProperty View/FINDER Quantum 2013/14 Edition*. The next Edition – which will include calendar year 2015 and eventually calendar year 2016 Residential Sales Themes – will be named *MdProperty View/FINDER Quantum 2015/16 Edition*.



A Special Note for *FINDER Quantum* Users

Detailed instructions for installing the QGIS software and working with Planning's QGIS custom project file (qgs) are not included in this document, although the map and data layers included in your product download are described below. Instead, in the Quantum folder and subfolders included in your product download, you will find a wealth of resources that describe how to get started with the QGIS software and how to work with your *FINDER Quantum* product. Included are:

- **In the Quantum folder**

This folder contains the QGIS software installation file and installation instructions (Install.pdf).

- **In the Quantum\Datadocs folder**

This folder contains Planning's *FINDER Quantum QGIS Custom Project File Guide (FndUsr13.pdf)* which contains detailed instructions for working with Planning's QGIS custom project file, included in each product download.

- **In the Quantum\Datadocs\QGIS folder**

This folder contains the QGIS User Guide and the QGIS Training Manual developed by the Open Source Geospatial Foundation (OSGeo). You can also visit the QGIS website for the latest information on and updates to the QGIS software at:

<http://qgis.org/>



About the User's Guide

You are now reading the detailed *MdProperty View/FINDER Quantum User's Guide (MdpUsr13.pdf)* that discusses what is included in your *MdProperty View/FINDER Quantum* product and in *FINDER Online*, and how to use the map and data layers included in these products.

Talbot County is used as the example jurisdiction throughout this document. Please substitute your current jurisdiction as applicable.

See one or more of the following sections for the information you need:



Part I: What's included in *MdProperty View/FINDER Quantum/FINDER Online*?



Part II: Using the ESRI Tools with *MdProperty View*



Appendix A: Hardware/Software Requirements and Software Support



Appendix B: Help Desk, Support and How to Contact Planning



Appendix C: Parcel and Sale Dataset Structures



Appendix D: CAMA Dataset Structures



Appendix E: Commercial and Industrial Use Codes



Appendix F: Exempt Class Codes and Descriptions



Appendix G: About Address Cleanup in the Parcel Dataset



Appendix H: Assessment Office Supervisors and Determining Zoning Authorities



Appendix I: 2014-2002 Residential Sales



Appendix J: Parcel, Sale and CAMA Property and Building Codes and Descriptions

This User's Guide should answer most if not all of the questions you may have about getting started with *MdProperty View/FINDER Quantum/FINDER Online*, changes to the current Edition and using the map and data layers included in your product download or your online product. If you need additional assistance, see **Appendix B: Help Desk, Support and How to Contact Planning** for additional resources.



FINDER Quantum Users: In addition to this User's Guide you should also see the *FINDER Quantum QGIS Custom Project File Guide (FndUsr13.pdf)* found in the Quantum\Datadocs folder, as described on the previous page. This document covers QGIS software and tool topics similar to those covered for *MdProperty View* in Part II of this document.



FINDER Online Users: In addition to this User's Guide, you can email the *FINDER Online* Help Desk with any questions and/or concerns that are still not resolved:

dlmdpvhelppdesk_mdp@maryland.gov



Part I:

What's included in *MdProperty View*/*FINDER Quantum*/*FINDER Online*?

MdProperty View and *FINDER Quantum* use a hierarchical folder structure that follows logical file naming conventions. The folder structure includes a root folder at the top that further divides or branches into various subfolders, and may also contain files. Each subfolder may also contain files and/or further divide or branch into additional subfolders. The *MdProperty View*/*FINDER Quantum* root folder name is different for each county or Baltimore City, but it is always 8 characters for all jurisdictions. The first four characters are the 4-letter jurisdiction abbreviation and the last four characters are the first year of the *MdProperty View*/*FINDER Quantum* Edition year. For Talbot County, the root folder is **Talb2013**.

The folder structure is the same for all counties in Maryland with some slight variations. Only the 4-letter jurisdiction abbreviation changes from jurisdiction (county or Baltimore City) to jurisdiction. You may substitute the jurisdiction of your choice in the following discussion, bearing in mind that there are subtle differences, as noted below, for some counties and more pronounced differences for Baltimore City.

The Baltimore City folder structure differs significantly from the county folder structure because detailed street maps rather than property maps are the default display for Baltimore City. The Baltimore City product download also includes a parcel polygon data layer obtained from the Baltimore City Mayor's Office of Information Technology. To allow you to view Baltimore City property boundaries via the **Property Map Layer Raster Maps** menu selection in ArcGIS (*MdProperty View*) or in QGIS (*FINDER Quantum*), the Maryland Department of Planning created individual property boundary .tif files from the polygon layer, extracting the imagery based on Planning's map grid for Baltimore City. The property boundaries display once you zoom in below a certain scale.

As a further enhancement to the Baltimore City product download, the detailed street map for Baltimore City is an up-to date data layer provided via ArcGIS Online as a map service from Open Street Map once you zoom in below a certain scale. The Open Street Map data are only available as a web service for reference purposes and cannot be downloaded, extracted, or queried.



FINDER Online Users: *FINDER Online* includes most but not all of the map and layers described below. Please read the descriptions associated with each map or data layer described below to see which layers are included in *FINDER Online* – a map or data layer is included in *FINDER Online* unless noted otherwise.



Updated Map and Data Layers

Updated map and data layers have been added to the current Edition of *MdProperty View*/*FINDER Quantum*/*FINDER Online* Edition:

- **SHA Map Layers**

Updated for the current Edition for counties and Baltimore City from the circa 2012 State Highway Administration (SHA) data layer is the SHA centerline file. See Page 11 for additional information.

- **2013 NAIP Imagery**

Updated for the current Edition in map layers included as MD iMap map services only is the National Agriculture Imagery Program (NAIP) 1 meter color digital-ortho leaf on imagery, to summer of 2013 imagery.

- **2014 and 2013 Arms-Length and Summary Residential Sales**

Updated for the current Edition are the parcel point map layer showing Talbot County calendar year (CY) 2014 and 2013 arms-length sales of residential parcels with improvements and the Statewide map layers showing total, single family, townhouse and condominium summary sales data by census tract for CY2014 and 2013. See **Overlays** under the mxd Table of Contents described below for additional information.



Before Getting Started with *MdProperty View*

Planning's ArcGIS custom map document file (mxd) that you need to run *MdProperty View* is located in the Talb2013 root folder of your *MdProperty View* product download. Planning's ArcGIS custom map document file and the product download contents may be accessed directly from a local or network drive.

The ArcGIS recommended minimum configuration is 2.2 GHz CPU/2 GB RAM, 500 MB swap space, Windows 8.x or Windows 10 with updates installed. You may copy the entire contents of the product download including the ArcGIS map document file to any local or network hard drive folder before accessing the data. The **Talb2013_10.2GIS.mxd** ArcGIS custom map document file has been verified by Planning as complete and fully operational.

After copying the entire contents of your product download including the *MdProperty View* map document file to a folder on your local or network hard drive, you are ready to access the map and data layers provided with *MdProperty View*. To access the layers, first load the ArcGIS software – once you are in the software, find and load Planning's ArcGIS custom map document file to organize your jurisdiction map and data layers into an integrated display.



Before Getting Started with *FINDER Quantum*

The installation file that you need to install the QGIS software needed to run *FINDER Quantum* is located in the **Quantum** folder included in your *FINDER Quantum* product download, along with the installation instructions (Install.pdf). Planning's QGIS custom project file (qgs) that you need to run *FINDER Quantum* is also located in the Quantum folder. Planning's QGIS custom project file and the product download contents may be accessed directly from a local or network drive.

The QGIS recommended minimum configuration is 2.2 GHz CPU/2 GB RAM, 500 MB swap space, Windows 8.x or Windows 10 with updates installed. You may copy the entire contents of the product download including the QGIS project file to any local or network hard drive folder before accessing the data. The **Talb13F_Qgis.qgs** QGIS custom project file has been verified by Planning as complete and fully operational.

After copying the entire contents of your product download including Planning's QGIS custom project file to a folder on your local or network hard drive, you are ready to access the map and data layers provided with *FINDER Quantum*. To access the layers, first load the QGIS software – once you are in the software, find and load the **Talb13F_Qgis.qgs** QGIS custom project file to organize your jurisdiction map and data layers into an integrated display.



About the Custom *MdProperty View* Map Document File (mxd)



FINDER Quantum Users: how to work with Planning's QGIS custom project file is described in the [FINDER Quantum QGIS Custom Project File Guide \(FndUsr13.pdf\)](#) found in the Quantum\Datadocs folder. Only the map and data layers included on your product download are described in this section.



FINDER Online Users: Only the map and data layers included on your product download are described in this section. If you have questions or concerns about *FINDER* Online that are still not resolved after reading this document, email the *FINDER* Online Help Desk at:

dlmdpvhelppdesk_mdp@maryland.gov

As noted above, the root folder of each *MdProperty View* product download contains a custom ArcGIS 10.2 map document file (mxd). A map document file is an integrated collection of various property data and image layers. A map document file itself does not contain any data – it is simply a link or pointer to the source data.

The *MdProperty View* map document file is set up to work with the entire contents of your product download copied to a network or local hard drive under the root folder, for example, C:\Talb2013, or under any subfolder of any local drive on a computer or a network. Remember also that *MdProperty View* is set up with all data sets spatially referenced using NAD83 meters in the State Plane Coordinate System as required by the Maryland State Geographic Information Committee (MSGIC). Thus the product download is consistent with other State GIS data layers.

While the data are in NAD83 meters, all distance units in the map document file are set to measure in feet. Most GIS software packages can now easily reproject datasets on the fly as they are opened or on command, so you can use that feature should you need to work with data spatially referenced to another coordinate system.

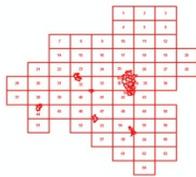
ArcGIS terminology such as map document file, data frame, data view, map layer and shapefile are used throughout the remainder of this document. If you are unfamiliar with these terms, you may find it helpful to consult [ArcGIS Online Help](http://support.esri.com/en/) at <http://support.esri.com/en/>.

[Talb2013_10.2GIS.mxd](#) includes everything you need to view county property maps and associated Parcel, Sale and Computer Assisted Mass Appraisal (CAMA) dataset layers, along with frame of reference layers including a property map grid; State Highway Administration (SHA) major and detailed roads; jurisdiction boundaries; and a National Agriculture Imagery Program (NAIP) 1 meter color digital-ortho .jp2, leaf on and 6" resolution imagery. Also included is an image catalog of all tax maps for Talbot County.

For Baltimore City, the map document file includes everything you need to view Baltimore City detailed street maps and associated Parcel, Sale and CAMA dataset layers, along with frame of reference layers including State Highway Administration (SHA) major and detailed roads; an Open Street Map service for display when you zoom in below a certain scale; property boundaries for display when you zoom in below a certain scale; the jurisdiction boundary; and a NAIP 1 meter color digital-ortho .jp2, leaf on, summer of 2011 image of Baltimore City. These layers are automatically loaded into the *MdProperty View* data frame once the map document file is loaded.

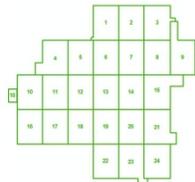
Additional jurisdiction-wide datasets converted to shapefiles are also included in each jurisdiction map document file (mxd) as data layers. User-friendly layer names are used to identify these files in the Table of Contents – the actual file names are listed with the description of each data layer. Map and data layers are described below in the order that they appear in the ArcGIS 10.2 mxd Table of Contents.

- **Property Map Index**



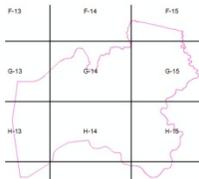
Talbot County Tax Map Grid, or for Baltimore City, Property Boundary Map Grid. This theme is already checked when the mxd is opened. Source of the data is [Talbindx.shp](#) loaded from the Indxdata\Talbindx folder.

- **ADC Page Index**



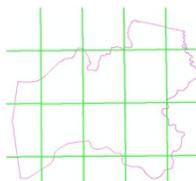
Talbot County ADC Page Number Grid, not available for Allegany, Garrett or Somerset counties. This theme is not checked when the mxd is opened. Source of the data is [Talbpage.shp](#) loaded from the Indxdata\Talbpage folder.

- **SHA_GRID**



Reference grid for the jurisdiction Maryland State Highway Administration (SHA) detailed road, stream and feature maps. This theme is not checked when the mxd is opened. Source of the data is [Sha_grid.shp](#) loaded from the Indxdata\Sha_Grid folder.

- **DOQQ**



Reference grid for the jurisdiction digital ortho-photo quarter quad (DOQQ) map index based on jurisdiction United States Geological Survey (USGS) 7.5 foot topographical quad maps. This theme is not checked when the mxd is opened. Source of the data is [Talbdoqq.shp](#) loaded from the Indxdata\Usgsgrid folder.

Not included in the Table of Contents or in *FINDER* Online: USGS Quad Grid

Reference grid for the jurisdiction digital United States Geological Survey (USGS) quad map index (no quarters) based on jurisdiction USGS 7.5' topographical quad maps. You can add this layer to the data frame by loading [Usgsgrid.shp](#) from the Indxdata\Usgsgrid folder.



FINDER Online: only the county tax map grid, or for Baltimore City, the property boundary map grid is included in *FINDER* Online.

- **Parcel Database (Points) or Parcel Database in a non-polygon jurisdiction**



This is a comprehensive point theme that incorporates parcel ownership and address information, parcel valuation information and basic information about the land and structure(s) associated with a given parcel. Data for the Parcel dataset are obtained from the State Department of Assessments and Taxation for all jurisdictions on monthly basis. See the jurisdiction flier in the root folder of your product download for the extract date of the Parcel dataset and see [Appendix C: Parcel and Sale Dataset Structures](#) for information about the dataset.

This theme is already checked when the mxd is opened, but you have to zoom in to see this data layer. Source of the data is [Talb2013.shp](#) loaded from the Atdata\Database folder.

- **Sale Database (Points) or Sale Database in a non-polygon jurisdiction**



This is a comprehensive point theme that incorporates parcel ownership and address information, parcel valuation information and basic information about the land and structure(s) associated with a given parcel for a full year's worth of Sale data. See the jurisdiction flier in the root folder of your product download for the date of the Sale dataset included with your download. Data for the Sale dataset are obtained from the State Department of Assessments and Taxation for all jurisdictions on monthly basis. See [Appendix C: Parcel and Sale Dataset Structures](#) for information about this dataset and how to update it with monthly Sale downloads via Planning's Open Data GIS Downloads website:

<http://planning.maryland.gov/OurProducts/downloadFiles.shtml>

This theme is already checked when the mxd is opened, but you have to zoom in to see this data layer. Source of the data is [Talbsale.shp](#) loaded from the Atdata\Database folder.

CAMA Data Themes



These are comprehensive point themes of additional Computer Assisted Mass Appraisal (CAMA) residential and commercial property and building characteristics as available for parcels included in the Parcel dataset. CAMA data are obtained from the State Department of Assessments and Taxation on a yearly basis in January. As mentioned above, the current Edition product download includes four January 2014 CAMA datasets. See [Appendix D: CAMA Dataset Structure](#) for additional information about the CAMA dataset.

This theme is not checked when the mxd is opened. Source of the data is [Talbcama.shp](#), [Talbbldg.shp](#) or [Talbland.shp](#) loaded from the Camadata folder as described below.

- **CAMA Main Database**

Core characteristics, including summary building characteristics, associated with a given parcel account number – one record per parcel account number. Source of the data is [Talbcama.shp](#).

- **CAMA Building Database**

Detailed building characteristics associated with a given building – one or more building records per parcel account number. Source of the data is [Talbbldg.shp](#).

- **CAMA Land Database**

Land categories associated with a given parcel – one or more records per parcel account number. Source of the data is [Talbland.shp](#).



FINDER Online: only the CAMA Main Database is included in *FINDER* Online.

Not included in the Table of Contents or in *FINDER* Online: Talbsuba.shp

Building subarea characteristics associated with a given building – one or more subarea records per building. You can add this data layer to the data frame by loading [Talbsuba.shp](#) from the Camadata folder.

- **Parcel Polygons**



Available for those jurisdictions that have been converted to parcel polygons. This is a jurisdiction-wide shapefile of parcel polygon data attributed with parcel account number (ACCTID field) and associated *MdProperty View* Parcel dataset attributes. This theme is not checked when the mxd is opened. Source of the data is [TalbPoly.shp](#) loaded from the Atdata\Polys folder.



Not included in *FINDER* Online – see Page 21.

- **Parcel Polygon Outlines**



Available for those jurisdictions that have been converted to parcel polygons – the parcel polygons are also symbolized with their outlines only. This theme is not checked when the mxd is opened. Source of the data is [TalbPoly.shp](#) loaded from the Atdata\Polys folder.



Not included in *FINDER* Online – see Page 21.



Data Themes: Parcel Data Extracts



Parcel data extracts are provided to help you quickly and easily zero in on parcels with particular data theme that may be of interest to you. None of the following themes are checked when you check the [Parcel Data Extracts](#) theme. The ten extracts described below are all loaded from the Extracts folder.



Not included in *FINDER* Online.

- **Commercial and Industrial**

Included in this data layer are all commercial and industrial parcels in the jurisdiction. See [Appendix E: Commercial and Industrial Property Use Codes and Descriptions](#) for information about the commercial and industrial property use codes and descriptions used to describe parcels included in this data layer. Source of the data is [Talbcmin.shp](#).

- **Agricultural**

Included in this data layer are all agricultural parcels in the jurisdiction. This layer is not available for Baltimore City. Source of the data is [Talbagri.shp](#).

- **Residential Unimproved**

Included in this data layer are all unimproved residential parcels in the jurisdiction. Source of the data is [Talunimi.shp](#).

Exempt Properties Themes

Included in the next seven data layers are all exempt parcels in the jurisdiction grouped by exempt class code. See [Appendix F: Exempt Class Codes and Descriptions](#) for information about the exemption class codes and descriptions used to describe parcels contained in this theme.

- **Exempt Public/USA Federal Owned**

Public Owned Real Property and USA Federal Property. Source of the data is [Talb_pub.shp](#).

- **Exempt State Owned**

State Owned Real Property. Source of the data is [Talb_sta.shp](#).

- **Exempt Jurisdiction Owned**

County or Baltimore City Owned Real Property. Source of the data is [Talb_jur.shp](#).

- **Exempt Town/Municipality Owned**

Town or Municipally Owned Real Property. Source of the data is [Talb_mun.shp](#).

- **Exempt Non-Profit/Charitable**

Real Property owned by a Non-Profit/Charitable Organization. Source of the data is [Talb_npf.shp](#).

- **Exempt Privately Owned**

Privately Owned Real Property. Source of the data is [Talb_pvt.shp](#).

- **Exempt Other**

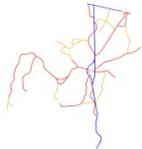
All other exempt Real Property. Source of the data is [Talb_oth.shp](#).

- **SHA Centerline**



Representation of State Highway Administration (SHA) detailed State Highway Administration (SHA) centerline roads. This theme is not checked on when the mxd is opened. Source of the data is [Talb_2014_Cntl.shp](#) loaded from the Shadata\TalbCntl folder.

- **Major Roads**



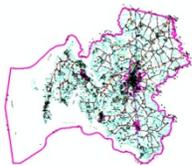
State Highway Administration (SHA) SHA major roads map. This theme already checked when the mxd is opened. Source of the data is [Major_Roads.shp](#) (extracted from Talbot_2013_SHA_Grid_83m.mdb to enhance performance) loaded from the Shadata\TalbGrid folder.

- **SHA County Map**



State Highway Administration (SHA) road map and text. This theme is already checked when the mxd is opened, but you have to zoom in to see the county map. Source of the data is [County_Roads.shp](#) (extracted from Talbot_2013_SHA_Grid_83m.mdb to enhance performance) loaded from the Shadata\TalbGrid folder.

- **SHA Grid Map**



State Highway Administration (SHA) jurisdiction detailed grid map, grid map text and grid map features. This theme is already checked when the mxd is opened, but you have to zoom in to see the grid map. Sources of the data are [Talbot_2013_SHA_Grid_83m.mdb](#) and shapefiles loaded from the Shadata\TalbGrid folder.

- **State_Bndy**

State Highway Administration (SHA) State boundary outline. For history buffs, note that this theme includes the State Mason-Dixon line boundary markers. This theme is already checked when the mxd is opened. Source of the data is [State_Bndy.shp](#) (extracted from Talbot_2013_SHA_Grid_83m.mdb to enhance performance) loaded from the Shadata\TalbGrid folder.

- **County_Line**

State Highway Administration (SHA) county boundary outline. This theme is already checked when the mxd is opened. Source of the data is [County_Line.shp](#) (extracted from Talbot_2013_SHA_Grid_83m.mdb to enhance performance) loaded from the Shadata\TalbGrid folder.



FINDER Online: only the county boundary outline is included in *FINDER Online*. In *FINDER Online*, the road network comes from the [Open Street Map](#) or the [Light Gray Street Map](#) as described on Page 23.

Land Use/Land Cover

This theme is not checked when you check the **Overlays** theme.

- **Land Use/Land Cover 2010**



2010 classification of jurisdiction land use/land cover data for Talbot County. This dataset uses the Anderson Level 2 Classification System to display land use/land cover for each Maryland County and Baltimore City; it was initially developed using high altitude aerial photography and satellite imagery. For the 2010 publication date product, land cover types were updated using 2007 National Agriculture Imagery Program (NAIP) aerial imagery and parcel information from *MdProperty View* 2008 Edition. This theme is already checked when you check the **Land Use/Land Cover** theme. Source of the data is **Talblu10.shp** loaded from the Overlays\Lulc\2010 folder.

- **Land Use/Land Cover 2002**



2002 classification of jurisdiction land use/land cover based on the Anderson Level 2 Classification System. Initially developed from high altitude aerial photography and satellite imagery, the urban land use categories have been further refined using parcel data from *MdProperty View*. This theme is not checked when you check the **Land Use/Land Cover** theme. Source of the data is **Talblu02.shp** from the Overlays\Lulc\2002 folder.



Not included in *FINDER* Online.

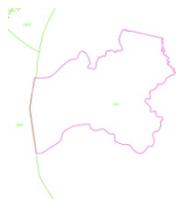
Not included in the Table of Contents or in *FINDER* Online: Land Use/Land Cover 1973

1973 classification of jurisdiction land use/land cover for Talbot County based on the Anderson Level 2 Classification System. Originally developed as ink on Mylar maps (1"= 1 mile, State Highway Administration) using uncontrolled high altitude aerial photography. You can add this layer to the data frame by loading **Talblu73.shp** from the Overlays\Lulc\1973 folder.

Congressional & Legislative Districts

This theme is not checked when you check the **Overlays** theme.

- **2011 Congressional Districts**



2011 congressional district boundary file for Talbot County (shown with the county boundary checked) as adopted based on redistricting after the 2010 Census. The boundary file is based on 2010 Census TIGER/Line files. This theme is already checked when you check the **Congressional & Legislative Districts** theme. Source of the data is **Mdcng11.shp** loaded from the Overlays\Legcngdt\Cens2010 folder.

- **2002 Congressional Districts**



2002 congressional district boundary file for the jurisdiction as adopted based on redistricting after the 2000 Census. The boundary file is based on 2000 Census TIGER/Line files. This theme is not checked when you check the **Congressional & Legislative Districts** theme. Source of the data is **Mdcng02.shp** loaded from the Overlays\Legcngdt\Cens2000 folder.



Not included in *FINDER* Online.

Not included in the Table of Contents or in *FINDER* Online: 1991 Congressional Districts

1991 congressional district boundary file for the jurisdiction as adopted based on redistricting after the 1990 Census. The boundary file is based on 1990 Census TIGER/Line files. You can add this layer to the data frame by loading **Mdcng91.shp** from the Overlays\Legcngdt\Cens1990 folder.

- **2012 Legislative Districts**



2012 State legislative district boundary file for the jurisdiction as adopted based on redistricting after the 2010 Census. The boundary file is based on 2010 Census TIGER/Line files. This theme is already checked when you check the **Congressional & Legislative Districts** theme. Source of the data is **Mdleg12.shp** loaded from the Overlays\Legcngdt\Cens2010 folder.

- **2002 Legislative Districts**



2002 State legislative district boundary file for the jurisdiction as adopted based on redistricting after the 2000 Census. The boundary file is based on 2000 Census TIGER/Line files. This theme is not checked when you check the **Congressional & Legislative Districts** theme. Source of the data is **Mdleg02.shp** loaded from the Overlays\Legcngdt\Cens2002 folder.



Not included in *FINDER* Online.

Not included in the Table of Contents or in *FINDER* Online: 1992 Legislative Districts

1992 State legislative district boundary file for the jurisdiction as adopted based on redistricting after the 1990 Census. The boundary file is based on 1990 Census TIGER/Line files. You can add this layer to the data frame by loading **Mdleg92.shp** from the Overlays\Legcngdt\Cens1990 folder.

Census Data

This theme is not checked when you check the **Overlays** theme.

- **2010 Census Tracts**



2010 enhanced census tract boundary file for census tracts, attributed with population and housing data from the 2010 Census data released in May of 2011. Attributes include gender by age, race, Hispanic/Latino by race, household relationship, housing tenure (owner/renter) and average household size. This theme is already checked when you check the **Census Data** theme. Source of the data is **Talbct10.shp** loaded from the Overlays\Cenct10 folder.

- **2000 Census Tracts**



2000 enhanced census tract boundary file for the jurisdiction and included 2000 census population data from the United States Bureau of the Census 2000 P.L. 94-171 file. This theme is not checked when you check the **Census Data** theme. Source of the data is **Talbct00.shp loaded** from the Overlays\Cenct00 folder.



Not included in *FINDER* Online.

Not included in the Table of Contents or in *FINDER* Online: 1990 Census Tracts

1990 enhanced census tract boundary file for the jurisdiction and associated 1990 census population, housing and socio-economic data from the United States Bureau of the Census 1990 STF1 and STF3 files. You can add this layer to the data frame by loading **Talbct90.shp** from the Overlays\Cenct90 folder.

- **2010 Census Block Groups**



2010 enhanced census block group boundary file for the jurisdiction and a Talbot County three-page .pdf profile for block groups. The three-page block group profile is a subset of a standard profile that was developed by multiple states in the State Data Center Network. Summary File One for Maryland was released by the U.S. Census Bureau in August of 2011. The three pages of the profile represented here contain tables on population by gender and age, population by race and Hispanic/Latino, household and family type, housing tenure, vacancy and household size for each block group.

This theme is already checked when you check the **Census Data** theme. Source of the data is **Talbbg10.shp** loaded from the Overlays\Cenbg10 folder.

- **2000 Census Block Groups**



2000 enhanced census block group boundary files for the jurisdiction and included 2000 census population data from the United States Bureau of the Census 2000 P.L. 94-171 file (Talbbg00.shp). This theme is not checked when you check the **Census Data** theme. Source of the data is **Talbbg00.shp loaded** from the Overlays\Cenbg00 folder.



Not included in *FINDER* Online.

Not included in the Table of Contents or in *FINDER* Online: 1990 Census Block Groups

1990 enhanced census block group boundary files for the jurisdiction and associated 1990 census population, housing and socio-economic data from the United States Bureau of the Census 1990 STF1 and STF3 files. You can add this layer to the data frame by loading **Talbbg90.shp** from the Overlays\Cenbg90 folder.



Special Note: American Community Service (ACS) Data

Note also that the American Community Survey (ACS) dataset is a valuable detailed census dataset containing additional socioeconomic and demographic data that is not included in in your *MdProperty View/FINDER* Quantum product download. These data are available from the Maryland State Data Center website at http://planning.maryland.gov/msdc/S7_ACS.shtml

Zip Codes

This theme is not checked when you check the **Overlays** theme.

- **2013 ZIP Codes**



2013 enhanced 5-digit ZIP Code boundary file for the jurisdiction. This theme is already checked when you check the **Zip Codes** theme. Source of the data is **Talbz13.shp** loaded from the **Overlays\Zipcode** folder.

- **2012 ZIP Codes**



2012 enhanced 5-digit ZIP Code boundary file for the jurisdiction. This theme is not checked when you check the **Zip Codes** theme. Source of the data is **Talbz12.shp** loaded from the **Overlays\Zip2012** folder.



Not included in *FINDER* Online.

Priority Funding Areas Themes



Priority Funding Areas layers are current as of the production date of your product download. Boundaries for Priority Funding Areas are as defined and developed based on State 1997 Smart Growth legislation. PFAs include areas designated by each jurisdiction consistent with the criteria set forth in the legislation. Projects developed in these areas are eligible for special tax incentives and state funding. None of the following themes are checked when you check the **Priority Funding Areas** theme.

The ten extracts described below are all loaded from the **Overlays\Smgr_Pfa** or from another jurisdiction's **\Overlays\Smgr_Pfa** folder for PFA layers not found in Talbot County.

- **PFA**

County priority funding area (PFA) for Talbot County in its entirety. Source of the data is **Talbpfa.shp**.

- **PFA – Comment Areas**

Comment areas of the certified priority funding areas (PFAs) for Talbot County. Source of the data is **Talbcomm.shp**.

- **PFA Enterprise Zones**

Not found in Talbot County, but found in other jurisdictions, for example enterprise zones from the PFA for Allegany County. Source of the data included in the Allegany County *MdProperty View/FINDER* Quantum product download is **Alleenzn.shp**.



Not included in *FINDER* Online.

- **Municipal**

Municipal boundaries from the PFA for Talbot County. Source of the data is **Talbmuni.shp**.

- **Municipal PFA Comment Areas**

Municipal comment areas from the PFA for Talbot County. Source of the data is [Talbmcom.shp](#).

- **Municipal non PFA**

Municipal non-PFA areas from the PFA for Talbot County. Source of the data is [Talbmun_nonpfa.shp](#).



Not included in *FINDER* Online.

- **PFA Rural Villages**

Rural village boundaries from the PFA for Talbot County. Source of the data is [Talbruvi.shp](#).



Not included in *FINDER* Online.

- **PFA Heritage Areas**

Not found in Talbot County, but found in other jurisdictions, for example heritage areas from the PFA for Allegany County. Source of the data in Allegany County *MdProperty View/FINDER Quantum/FINDER Online* is [Alleha.shp](#).

- **Protected Lands**



Protected and preserved lands for Talbot County, based on various federal, State and local programs and compiled by the Maryland Department of Planning. The data user acknowledges that the Maryland Department of Planning does not guarantee or warrant the completeness, timeliness or accuracy of the data provided.

This theme is not checked when you check the **Overlays** theme. Source of the data is [TalbProtLand.shp](#) loaded from the *Overlays\ProtectedLands* folder.

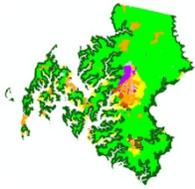
- **Watershed**



This statewide digital watershed file was created primarily for State and Federal agency use. The watersheds define Strahler (1952 p. 1120) third order stream drainage areas by contours as shown on U.S. Geological Survey (USGS) 7.5 minute quadrangle map sheets. Some watersheds drainage areas were defined for streams less than third order and some large area watershed were split to maintain a maximum size of 15,000 acres. The U.S. Natural Resources Conservation Service (NRCS) redefined the third order watersheds creating the HUA14 file. This file, containing all of the HUA14 watersheds and some added watersheds to maintain water quality sampling sites, was used to create the Maryland Sub-Watershed file. The origin of these data is the Maryland Department of Natural Resources.

This theme is not checked when you check the **Overlays** theme. Source of the data is [cbshed.shp](#) loaded from the *Overlays\Watershed* folder.

- **Generalized Zoning**



Talbot County zoning boundaries and generalized zoning codes. Data are compiled by the Maryland Department of Planning based on various local sources. The data user acknowledges that the Maryland Department of Planning does not guarantee or warrant the completeness, timeliness or accuracy of the data provided.

This theme is not checked when you check the **Overlays** theme. Source of the data is **TalbGenZone.shp** loaded from the Overlays\GenZoning folder.

- **Sewer Service Areas**



Areas of existing sewer service and areas or land programmed for service within specified time frames as well as areas not planned for service. Data are compiled by the Maryland Department of Planning based on various local sources. The data user acknowledges that the Maryland Department of Planning does not guarantee or warrant the completeness, timeliness or accuracy of the data provided.

This theme is not checked when you check the **Overlays** theme. Source of the data is **TalbSewer.shp** loaded from the Overlays\Sewer folder.

- **Public Water Service Areas**



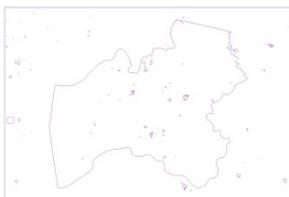
Not found in Talbot County, but found in other jurisdictions, for example Harford County, areas of existing public water service and areas or land programmed for service within specified time frames as well as areas not planned for service. Data are compiled by the Maryland Department of Planning based on various local sources. The data user acknowledges that the Maryland Department of Planning does not guarantee or warrant the completeness, timeliness or accuracy of the data provided. **These data have not been aligned to Parcel boundaries so the boundaries are approximate.**

This theme is not checked when you check the **Overlays** theme. Source of the data is **TalbWater.shp** loaded from the Overlays\PublicWater folder.

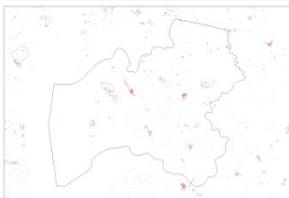


Not included in *FINDER* Online.

Historic Properties Themes



The historic properties information has been developed to be used for general planning purposes. The information has been developed at a scale of 1:24000 and does not depict legal boundaries of any properties. They are intended to be used for general information purposes under federal and state historic preservation law. Use of these GIS data does not substitute for the official consultation required under these statutes. Date of the dataset is May of 2014.



This theme is not checked when you check the **Overlays** theme. The two files described below are loaded from the Overlays\HistoricProperties folder.

- **National Register of Historic Places**

The National Register currently comprises over 1300 listings in Maryland, including some 200 historic districts. Listed properties span a wide variety of types and periods, ranging from prehistoric archeological sites to buildings of the recent past, and include rural landscapes, urban and suburban neighborhoods, bridges, sailing vessels, and more. The Maryland Historical Trust has created a vector layer map of the National Register properties listed in Maryland. A database of associated information on these properties has been produced and linked with the vector layer. Source of the data is [National_Register_of_Historic_Places.shp](#).

- **Maryland Inventory of Historic Properties**

The Maryland Inventory of Historic Properties (MIHP) is a repository of information on districts, sites, buildings, structures, and objects of known or potential value to the prehistory and history of the State of Maryland. The Inventory was created shortly after the Maryland Historical Trust was founded in 1961, and now includes data on more than 8,000 archeological sites and 100,000 historic and architectural resources. The MIHP includes information about both standing structures and archeological resources. Source of the data is [Maryland_Inventory_of_Historic_Properties.shp](#).

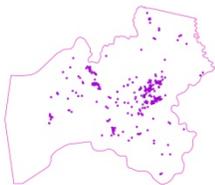
Residential Sales Themes

The Residential Sales data for any given calendar year (CY) are derived from the monthly *MdProperty View/FINDER* Quantum Sale datasets created for Maryland's 23 counties and Baltimore City. This theme is already checked when you check the **Overlays** theme.



Not included in *FINDER* Online.

- **Individual Res Sales**



Parcel point map layer showing Talbot County calendar year (CY) arms-length sales of residential parcels with improvements. Each dataset record includes key attribute data including the property account number, transaction date and dollar consideration at time of sale, dwelling unit type (single family, townhouse, condominium, mobile home) and dwelling unit year built. Also included are various geographic area identifiers including ZIP code, town name, 2010 census tract and block group for CY2014 through and including CY2010 Residential Sales and Priority Funding Area.

The **Individual Res Sales** theme is already checked when you check the **Overlays** theme, but only the **Res Sales CY2014** theme is also checked. The four themes described below are all loaded from the **Overlays\Ressale** folder.

- **Res Sales CY2014**

Individual residential sales for calendar year (CY) 2014. Source of the data is [Talb_sale2014.shp](#). This theme is checked when you check the **Overlays** theme.

- **Res Sales CY2013**

Individual residential sales for calendar year (CY) 2013. Source of the data is [Talb_sale2013.shp](#). This theme is checked when you check the **Overlays** theme.

- **Res Sales CY2012**

Individual residential sales for calendar year (CY) 2012. Source of the data is [Talb_sale2012.shp](#).

- **Res Sales CY2011**

Individual residential sales for calendar year (CY) 2011. Source of the data is [Talb_sale2011.shp](#).

- **Res Sales CY2010**

Individual residential sales for calendar year (CY) 2010. Source of the data is [Talb_sale2010.shp](#).

Not included in the Table of Contents: Residential Sales CY 2009-2002

Parcel point map layer showing Talbot County calendar year (CY) 2009 through and including 2002 arms-length sales of residential parcels with improvements. Each dataset record includes the key attribute data described. Also included are various geographic area identifiers described above including 2000 census tract and block group for CY2009 through and including CY2002. You can add this layer to the data frame by loading [Talb_sale2009.shp](#) through and including [Talb_sale2002.shp](#) from the Overlays\Ressale folder.

- **Summary Res Sales**



Statewide map layer showing summary sales data by census tract for various kinds of residential improved sales. CY2014 through and including CY2010 residential sales are summarized by 2010 census tract and CY2009 through and including CY2002 residential sales are summarized by 2000 census tract. The summary characteristics for each tract are the total number of sales by individual year, median dollar value of sales by year and mean dollar value of sales by year based on the consideration at time of sale. This theme is already checked when you check the **Overlays** theme, but only the **Total Sales by CT CY2014** theme is also checked. The eight themes described below are all loaded from the Overlays\ResSale\Ct_Sales_Summary folder.

- **Total Sales by CT CY2014**

Statewide summary sales by census tract for all dwellings for calendar year (CY) 2014-2010. Source of the data is [ct_tot_sales_14.shp](#). This theme is checked when you check the **Overlays** theme.

- **Single Family Sales by CT CY2014**

Statewide summary sales by census tract for single-family dwellings for calendar year (CY) 2014-2010. Source of the data is [ct_sf_sales_14.shp](#).

- **Townhouse Sales by CT CY2014**

Statewide summary sales by census tract for townhouse dwellings for calendar year (CY) 2014-2010. Source of the data is [ct_th_sales_14.shp](#).

- **Condo Sales by CT CY2014**

Statewide summary sales by census tract for condominiums for calendar year (CY) 2014-2010. Source of the data is [ct_con_sales_14.shp](#).

Not included in the Table of Contents: Total Sales by CT CY2009

Statewide summary sales by census tract for all dwellings for calendar year (CY) 2009-2002. You can add this layer to the data frame by loading [ct_tot_sales_09.shp](#) from the Overlays\ResSale\Ct_Sales_Summary folder.

Not included in the Table of Contents: Single Family Sales by CT CY2009

Statewide summary sales by census tract for single-family dwellings for calendar year (CY) 2009-2002. You can add this layer to the data frame by loading [ct_sf_sales_09.shp](#) from the Overlays\ResSale\Ct_Sales_Summary folder.

Not included in the Table of Contents: Townhouse Sales by CT CY2009

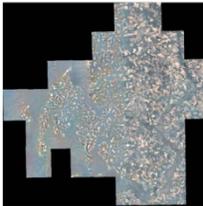
Statewide summary sales by census tract for townhouse dwellings for calendar year (CY) 2009-2002. You can add this layer to the data frame by loading [ct_th_sales_09.shp](#) from the Overlays\ResSale\Ct_Sales_Summary folder.

Not included in the Table of Contents: Condo Sales by CT CY2009

Statewide summary sales by census tract for condominiums for calendar year (CY) 2009-2002. You can add this layer to the data frame by loading [ct_con_sales_09.shp](#) from the Overlays\ResSale\Ct_Sales_Summary folder.

Data Themes: Local Imagery Group Layer

- **Talbot_NAIP2011.jpg**



A National Agriculture Imagery Program (NAIP) 1 meter color digital-ortho .jp2, leaf on, summer of 2011 image of Talbot County

This theme is checked when the mxd is opened, and it cannot be turned off until you zoom in to a certain scale on the map. Source of the data is [Talbot_NAIP2011.jpg](#) loaded from the Imagery folder.

- **Property Map Layer Raster Maps**



A catalog of the individual tax map (tif) images for Talbot County. This theme is checked when the mxd is opened. To facilitate easy viewing of tax map information on top of the NAIP 1 meter color digital-ortho .jp2, leaf on, summer of 2011 image of Talbot County, *MdProperty View* and *FINDER Quantum* include a yellow version of the tax map line work and text. This theme is already checked when you open the mxd. The default display option checked is **Pale Yellow for Display with Aerials** and it cannot be turned off until you zoom in to a certain scale on the map.

When **Pale Yellow for Display with Aerials** is checked for Baltimore City, property boundaries are displayed in yellow, rather than the detailed street map displayed in earlier Editions of *MdProperty View*. However, because the Baltimore City property images included with *MdProperty View*/*FINDER Quantum* for this Edition do not include embedded text, you will only see the property boundaries, with no associated WARD, SECTION, BLOCK or LOT information.

An alternate display option is also provided for all jurisdictions for use without the aerial image, **Black with Clear Background**. Source of the data is the catalog of tax map images (tifs) loaded from the Images\Arc93_cat folder, or in Baltimore City, the catalog of property boundary images (tifs) loaded from the Baci2013\Images\Arc93_cat folder.



All of the following themes allow you to take advantage of the State's **MD iMap** portal from within *MdProperty View*/*FINDER* Quantum. None on the following themes are checked when the mxd is opened:

Floodplains Map Services



Floodplain data is provided as a web mapping service via the MD iMap portal. **To access these data, you must be connected to the Internet.**

- **Preliminary FEMA Floodplain**

Preliminary (not formally adopted) FEMA FIRMs. The data shown are in the process of being reviewed and adopted by FEMA and a given community. Changes to the Preliminary boundaries may occur before official map adoption.

- **Effective FEMA FloodPlain**

The Effective FEMA Floodplain layer represents the official regulatory floodplain as adopted by FEMA and a given local community for the National Flood Insurance Program (NFIP). Effective data should be used wherever it is available, but it is not available statewide.

- **Scanned FEMA FIRM – Planning Purposes Only**

Scanned Flood Insurance Rate Maps (FIRMs) published by the Federal Emergency Management Agency (FEMA 1996 Q3 data for planning purposes). Maryland only makes this data available where there is no Effective or Preliminary floodplain layers available in digital format.

- **Parcel Boundaries Map Service**



The MD iMap portal includes web mapping services for parcel boundaries:

<http://www.imap.maryland.gov/Portal/>

These data are based on collecting and standardizing jurisdiction-based (county, Baltimore City, Frederick City and Ocean City) parcel datasets. The data contain a link to the State Department of Assessments and Taxation Real Property Search website for each parcel. **To use these data, you must be connected to the Internet.**

- **Six Inch Imagery Map Service**



Statewide high-resolution (6 inch) imagery is provided as a web mapping service via the MD iMap portal. These data are as current on MD iMap – see the the MD iMap portal for the actual date and geography of the imagery. **To use these data, you must be connected to the Internet.**

- **NAIP 2013 One Meter Map Service**



NAIP imagery is provided as a web mapping service via the MD iMap portal. These data are National Agriculture Imagery Program (NAIP) 1 meter color digital-ortho leaf on imagery, summer of 2013 imagery. **To use these data, you must be connected to the Internet.**



- **Open/World Street Map**



Baltimore City Only: This display provided via ArcGIS Online is a map service from the Open Street Map Consortium. The data are only available as a web service for reference purposes and cannot be downloaded, extracted, or queried.

Baltimore City Only: This theme is checked when you check the **Overlays** theme.



Included in *MdProperty View* and *FINDER Quantum* for Baltimore City only.



Included in *FINDER Online* for all jurisdictions.

- **Light Gray Street Map**



The Light Gray Street Map base map displays a neutral background and minimal features with a general geographic reference. More detailed yet subtle features, such as roads, labels, and parks, are included in the base map at larger scales. ESRI, DeLorme, OpenStreetMap, and the GIS user community contributed data for this basemap. Coverage is available for the whole state of Maryland.

The base map is available through ArcGIS at:

http://services.arcgisonline.com/ArcGIS/rest/services/Canvas/World_Light_Gray_Base/MapServer



Included in *FINDER Online* only for all jurisdictions. This map layer might be a better choice for display when you are working with multiple map layers in *FINDER Online*.



Part II: Using the ESRI Tools with *MdProperty View*



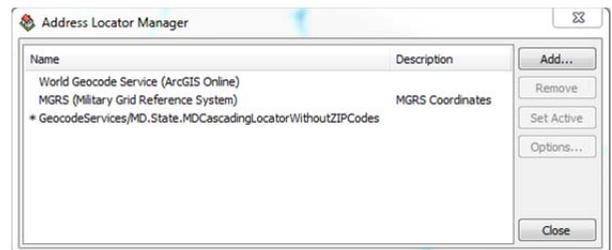
Attention *FINDER* Quantum Users: Part II does not apply to your product download. QGIS Tools are described in the *FINDER* Quantum QGIS Custom Project File Guide (FndUsr13.pdf) found in the Quantum\Datadocs folder.

Your *MdProperty View* product download contains a Planning ArcGIS custom map document file (mxd) that makes the downloadable product easy to use. Below are examples of how to some of the more complex tools inherent within ArcGIS:



Geocode Tool

If you are connected to the Internet and using ArcGIS, you also have the option of using the **MD iMap Cascading Geocoder**. The Cascading Geocoder has already been set up as one of the default geocoder options in Planning's ArcGIS custom map document file (mxd) – you can select the Cascading Geocoder from the Geocoding Toolbar, as shown to the right.



Additional information on the MD iMap Cascading Geocoder can be found at:

<http://imap.maryland.gov/Pages/compositeLocator.aspx>

Before using the Geocode Tool with your dataset, any separate address fields in your dataset (street address number, directional, name and street type) except for CITY and ZIP code must be combined into a single dataset field. Your customer or client dataset should look like the example shown below. Additional fields may be present in your dataset, but the ADDRESS, CITY, and ZIPCODE fields must be present in your dataset to do geocoding, for example:

ADDRESS	CITY	ZIPCODE
14173 N 1ST AVENUE	KENNEDYVILLE	21645
7643 AIRY HILL ROAD	CHESTERTOWN	21620
5767 BAY ROAD	ROCK HALL	21661
14030 E BEECHWOOD ROAD	GALENA	21635
5040 CLIFFS CITY ROAD	CHESTERTOWN	21620

Following are step-by-step instructions for using Statewide Geocoding Tool with ArcGIS 10.2 – Cecil County is used as the example jurisdiction.

Step 1: Starting the Geocoding Process

Open the **Ceci2013_10.2GIS** map document file if it is not already open. This mxd contains all of the files you need to geocode your data. If the geocoding toolbar is missing, right click in the area near the standard tool bar to open a list of available toolbars and select Geocoding. Your data should be in dBASE (dbf) format and can be added to the document now or later in the geocoding process. To add your data now, click Add Data from the standard tool bar, navigate to your file and click OK.

Once you have added your data, click the first dropdown menu in the geocoding toolbar to manage the address locators, as in Figure 1 below. The dialog box shows two address locators for use with ArcMap 10. From the list, choose the locator that you would like to use or, if the locator is not in the list, click on Manage Address Locators from the dropdown menu shown in Figure 2 on the next page. The browser should automatically open to the location where these files are located – if not, they can be found under the Atdata\Database folder. Two geocoding service files should be displayed:

Ceci10_2013A
Ceci10_2013B

stricter preference settings
less strict preference settings



Figure 1: Geocoding tool bar with locator manager dropdown

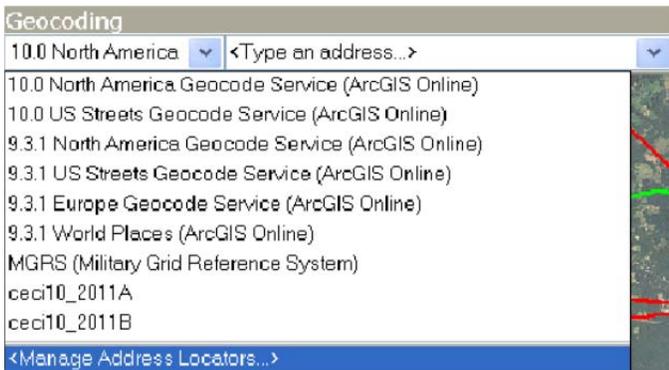


Figure 2: Manage Address Locator Option

Select one of the two Cecil County ArcGIS geocoding service files shown to proceed. **Ceci10_2013A** has stricter preference settings that typically result in fewer, highly confident geocoding matches, and **Ceci10_2013B** has less strict preference settings that typically result in more geocoding matches, including some lower confidence geocoding matches.

Next, click Geocode Addresses from the Geocode toolbar. See Figure 3 below:



Figure 3: Geocode Addresses button

A window opens called Choose an Address Locator... Chose the locator that you would like to use and click OK. ArcGIS then opens the Geocode Addresses dialog box showing the address locator that you chose at the top as in Figure 4 below.



Figure 4: Geocode Address

In the first drop down box, choose your data if it was added to the document earlier. If you chose not to add your data to the document earlier, click the folder button next to the drop down menu to navigate to your file. In the next portion of the dialog box, Address Input Fields, choose the corresponding fields from your data for the ADDRESS, CITY and ZIPCODE fields.

The last portion of the dialog box allows you to choose a location to save your output to under Output Shapefile or Feature Class. Click the folder button and navigate to where you would like to save your file, name the file and click Save. You then return to the Geocode addresses dialog box where you can click OK to start the geocoding process. The advance options can be ignored.

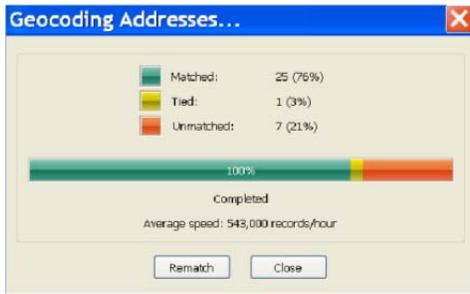


Figure 5: Geocoding progress box

During the geocoding process, ArcMap displays the processing progress, and once geocoding is complete, the number of matches, ties and unmatched records. This can take some time, particularly if the number of records to be geocoded is large. See Figure 5 to the left.

Once processing is complete, the new geocoded shapefile is displayed in the current data frame where it can be added as a shapefile to any ArcGIS map document file.

Step 2: About the Geocoding Process

The resulting shapefile and attribute table contains copies of the fields from the original data and additional fields that are created during the geocoding process including:

FID

Identification number automatically assigned to each record by ArcMap. This field can be ignored.

SHAPE

Automatically assigned to each record by ArcMap. This field can be ignored.

STATUS

Matching status of an event, either M (successfully matched) or T (tied with a similar address) or U (not matched).

SCORE

Matching score or matching confidence. In a range of 0 to 100, 0 indicates an address that is unmatched (the record has a value of U in the STATUS field) and 100 indicates a record with a highly confident or exact match.

MATCH_TYPE

A code showing how the address was matched, either automatically or rematched. This field can be ignored.

MATCH_ADDR

The address that the input data was matched to during the geocoding process.

SIDE

Side of the street the address was matched to. This data is not available with the Ceci2013 data and address locators. This field can be ignored.

X, Y

The x,y coordinates (NAD83 meters) where the address record was geocoded.

REF_ID

A numeric reference number for each geocoded record. This field can be ignored.

ADDR_TYPE

The type of address that was geocoded. This field can be ignored.

ARC_STREET

The address field from your input data.

ARC_CITY

The city field from your input data.

ARC_ZONE

The zip code field from your input data.

The remaining fields in the attribute table are the fields from your input data.

If the ARC_STREET, ARC_CITY, and/or ARC_ZONE fields for a particular record are not the same as the ADDRESS, CITY or ZIPCODE fields for that record in your address dataset, the geocoding score may be of a lower matching confidence or in error. Another possibility is that your dataset record geocoded to the correct x,y coordinate location, but the fields were populated with data from a Ceci2013 dataset record that is a stacked point. An example of where a stacked point could occur is in a condominium. Different addresses in a condominium can be assigned the same x,y coordinates. If your dataset record is a stacked point, it may be populated with the fields of another parcel in the condominium with a different address than the record in your dataset.

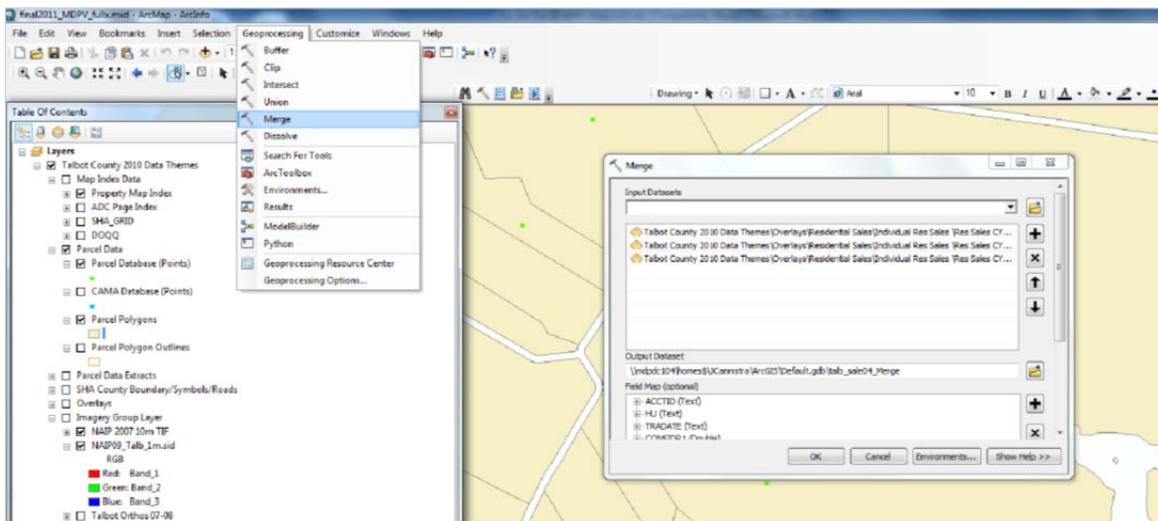
For records in your customer or client address dataset that did not geocode, further review and editing of the address fields in your dataset may result in improved geocoding. You may also want to consider using the 2010 TIGER/Line files from the US Census Bureau. This data can be downloaded from the Census Bureau website at:

<http://www.census.gov/geo/www/tiger/>

Note that when you add your dBASE file to the mxd, the *MdProperty View* Table of Contents on the left side of your screen will change to a List By Source view. You should continue with the geocoding process and finish geocoding your file before restoring the *MdProperty View* Table of Contents to the List By Drawing Order view that is the default Table of Contents view for Planning's ArcGIS custom map document file.

Merge Tool

Use this tool to merge two or more vector data layers (point/line/polygon) into one layer. Both layers must be the same type of data. When you select the Merge from the Geoprocessing menu, a browser opens so you can select a folder (output dataset) to which the new merged theme is saved under a name you specify. Input datasets reflect the features to be merged.

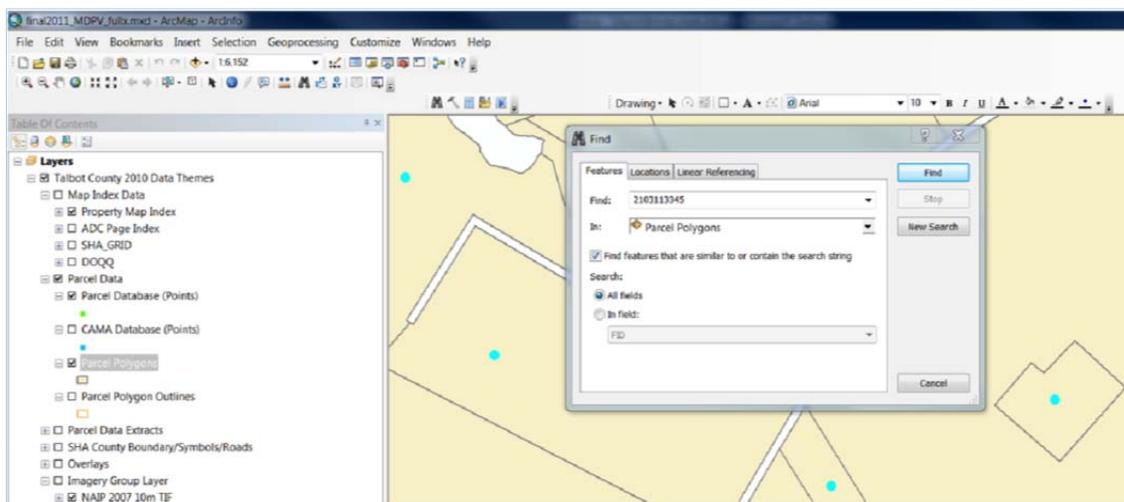


The new merged theme is saved as a shapefile in the directory specified. You can determine which attributes get included into the new merged dataset.

MdProperty View Find Tool (for locating parcels)

Use this tool to quickly and easily search Parcel datasets on account number, street address or owner name. When you press this button a dialog box appears that allows you to enter your search criteria and choose what layer to search. Choosing the layer to search cuts down on the amount of time the search takes and produces better results.

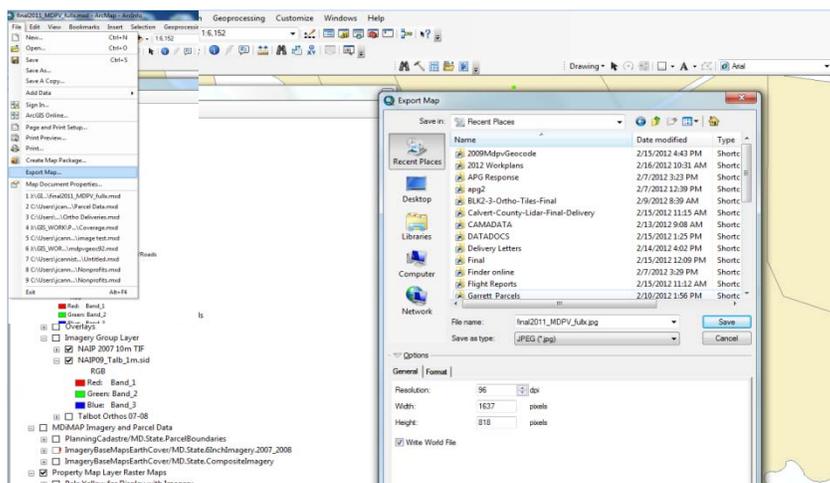
To search, fill the Find field with your search criteria, such as an account number. Use the pull down menu in the next box to choose the layer to search. You may check Find features that are similar to or contain the search string to expand your search if you are unsure of your search criteria or only have partial information. Lastly, you can search all fields or choose only one field to search.



When the search is complete, the matches are displayed in the lower portion of the dialog box. You may right click on any of the matches to zoom to that location.

MdProperty View Export to PDF or JPG Tool

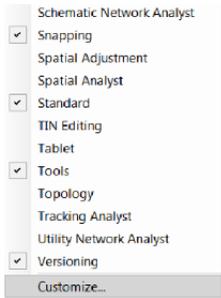
Use this tool to export a map in pdf, jpg or many other file formats and print the map as it is displayed on the screen. Users have the option to save the file into any location with a user-defined name. For jpeg format files the image can be saved with a corresponding world file to support georeferencing.





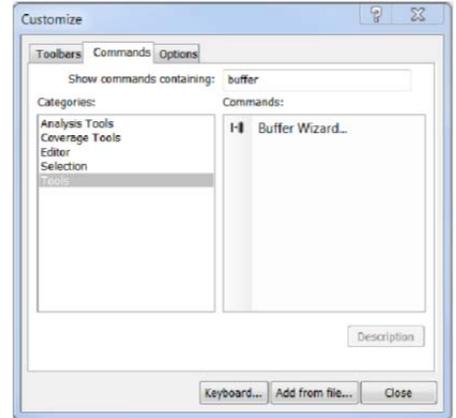
Distance Search Tools

Use these tools to draw a circle around all properties within a user-defined distance in feet from a selected property or properties, select all points within the circle and export the points to a new file in a few simple steps.



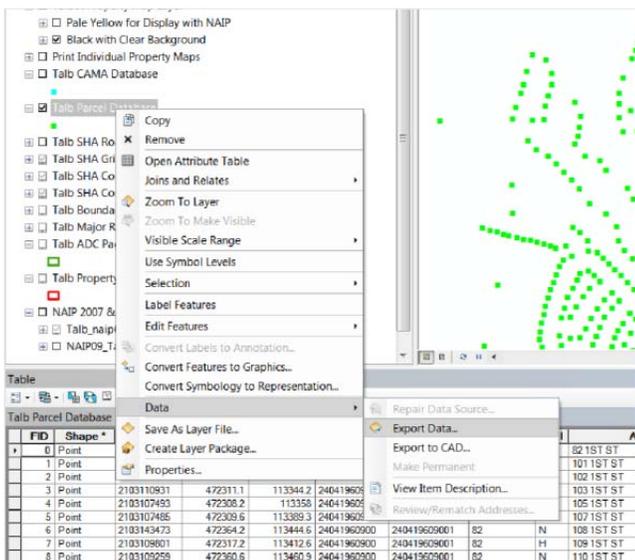
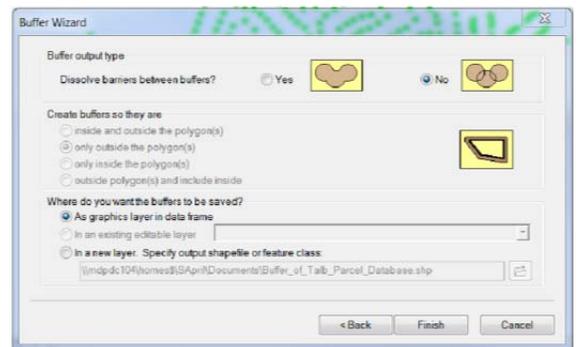
You need to add the Buffer Wizard button to any tool bar from the customize menu. Right click in any area near your toolbars and scroll to Customize at the bottom of the list, as shown to the left.

Click on the Commands tab in the dialog box and type buffer in the search box. Your search results in finding the Buffer Wizard command. Click on the command and drag it to any of your toolbars. Click close.



Choose the feature that you want to create the buffer around and then click on the button you just added to your toolbar to open the wizard.

Follow the instructions in the wizard to create your buffer. At the last step of the wizard, you have the option to save the buffer as a graphic or a new shapefile. You may choose either option.



If you choose to save the buffer as a graphic, you can select the graphic, then use Select by Graphic to choose the features within your buffer. The other option, to save the buffer as a shapefile, generates a new shapefile of the buffer. You can then select the buffer from the shapefile and use Select by Location from the Selection menu to choose the features within your buffer.

After you have made your selection, the features can be exported to a new shapefile by right clicking and using Export Data.

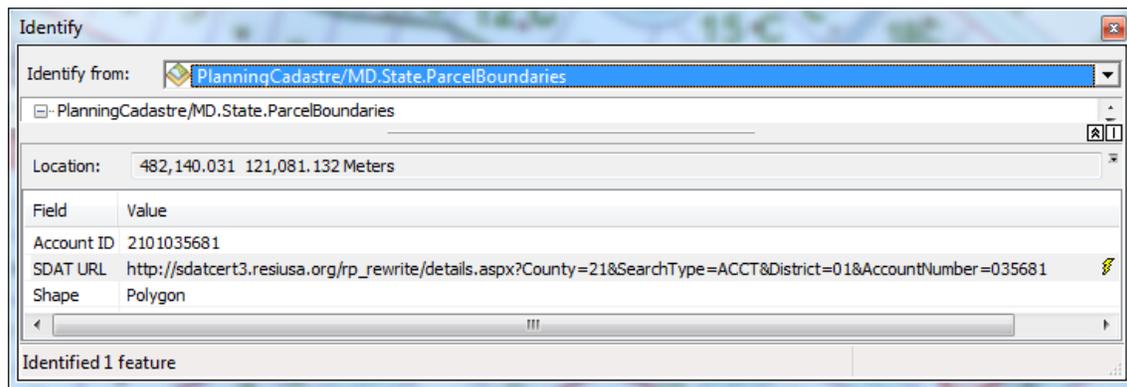


Accessing Assessment's Real Property Search Website

Planning has embedded a hyperlink into each Parcel and Sale dataset record to allow users to access the State Department of Assessments and Taxation Real Property Search website directly from the dataset. To access the Real Property Search website, you must be connected to the Internet.

When you select a Parcel or Sale dataset record and click on the hyperlink, you connect to Assessment's Real Property Search website and the current property information is displayed in a separate window for the property you selected. If you want to select another property, go back to ArcGIS and after selecting a new parcel, click on the hyperlink associated with that parcel.

Hyperlinks are available for *MdProperty View* Parcel and Sale dataset records, for polygons in those jurisdictions that have them and for the MD iMap parcel boundaries, as shown below:



Accessing Planning's Open Data GIS Downloads Website

Use the following link to go to Planning's Open Data GIS Downloads website, where you can download monthly Sale datasets and/or other downloadable datasets:

<http://planning.maryland.gov/OurProducts/downloadFiles.shtml>



Accessing Priority Funding Areas Information

Planning has developed an interactive PFA web mapping application that allows users to display PFAs and to determine if a property is contained within a PFA. This application can be accessed at:

<http://mdpgis.mdp.state.md.us/PFA/publicinfotemplate/index.html>

A separate tool is not embedded into Planning's ArcGIS custom map document file (mxd) for this link.



Accessing the Maryland Sustainable Growth Commission Website

Use the following link to go directly to Planning’s Maryland Sustainable Growth Commission website:

<http://planning.maryland.gov/YourPart/773/sustainableGrowthComm.shtml>



Accessing the MRIS Real Estate Website

Use the following link to go directly to the Metropolitan Regional Information Systems, Inc. (MRIS) Homes Database website and view properties for sale by ZIP code:

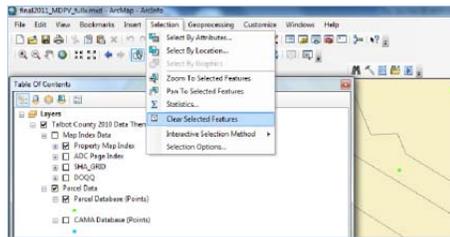
<http://mris.com/>

Below is a brief reminder of how to use each of the following commonly used tools inherent within ArcGIS:



ArcGIS: Clear Selection Tool

Use this tool to clear selected map features.



ArcGIS: Map Refresh Tool

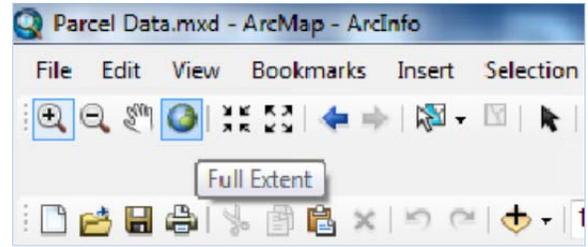


Use this tool to refresh the map displayed in the data view.



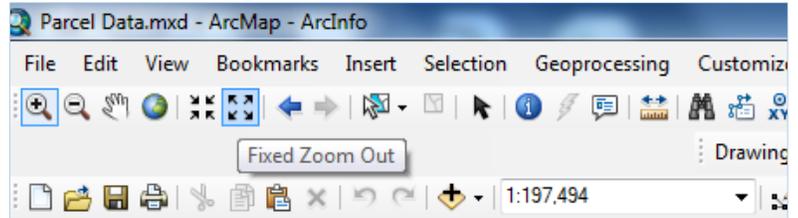
ArcGIS: Zoom to Full Extent of Map Tool

Use this tool to return the map displayed in the data view to the full jurisdiction (county or Baltimore City) scale. Note if there are unlocated points included in the current dataset, the full extent may be larger than the jurisdiction.



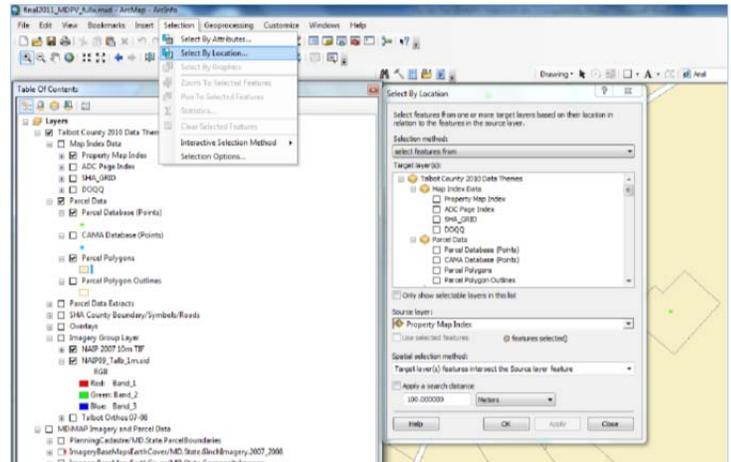
ArcGIS: Continuous Zoom/Pan Tool

Use this tool to zoom in and out at a fixed scale. Use the "hand" symbol to the left to pan through the map area.



ArcGIS: Select Layer Tool

Use this tool to set a layer to be the selectable layer. Highlight a target layer in the pull down menu and click OK and a message confirms that the current layer is now selectable. You can also perform a selection by attributes.





Appendix A: Hardware/Software Requirements and Software Support

To use Planning's *MdProperty View* and *FINDER* Quantum downloadable data products, you need the following minimum desktop or laptop computer configuration:

2.2 GHz CPU/2 GB RAM, 500 MB swap space
Windows 8.x or Windows 10 with current updates

New for this Edition Year: Downloadable Data

MdProperty View and *FINDER* Quantum, formerly paid subscription products, are now available as *free* Open Data GIS Downloads here:

<http://planning.maryland.gov/OurProducts/downloadFiles.shtml>

Data downloads are by jurisdiction, county or Baltimore City, and they include the *MdProperty View* ArcGIS custom map document file (mxd) or the *FINDER* Quantum QGIS custom project file (qgs) you need to begin working with each jurisdiction's map and data layers. Read on for additional information about the software needed to run the *MdProperty View* and *FINDER* Quantum applications.



About *MdProperty View* and the ArcGIS Software

For *MdProperty View*, each jurisdiction download includes an ArcGIS 10.2 custom map document file (mxd) that incorporate map layers, legends, formatting and additional functionality. The ArcGIS version of this custom map document file may change over the course of the Edition year as the ArcGIS software is updated. ArcGIS is a registered trademark of Esri.

The ArcGIS software is not included with your *MdProperty View* jurisdiction download – it must be purchased separately. To go to the Esri website, you must be connected to the Internet and have an Internet browser installed on your computer.

ArcGIS can be ordered directly from Esri:

Esri Phone: 1-800-447-9778 (1-800-GIS-XPRT)

To request ArcGIS product information or to contact the Esri office closest to you go to:

<http://www.esri.com/about-esri/contact.html>

To download a **free 60-day trial** of ArcGIS for Desktop go to:

<http://www.esri.com/software/arcgis/arcgis-for-desktop>

To download a **free 60-day trial** of ArcGIS Online go to:

<http://www.esri.com/software/arcgis/arcgisonline>

And for additional ArcGIS resources and support go to:

<http://resources.arcgis.com/en/home/>



For *FINDER* Quantum, each jurisdiction download (county or Baltimore City) contains a QGIS custom project file (qgs) that incorporates map layers, legends, formatting and additional functionality. The *free* QGIS software, a user friendly Open Source Geographic Information System, is licensed under the GNU General Public License. QGIS is an official project of the Open Source Geospatial Foundation (OSGeo).

Planning has included the fully documented version of the QGIS software that was available as of the beginning of the current Edition year in your *FINDER* Quantum jurisdiction data download in the **Quantum** folder. Double-click on the **QGIS-OSGeo4W-2.6.1-1-Setup-x86_64.exe** file and follow the onscreen instructions to install the QGIS software on your computer. The QGIS installation instructions are also available as **Install.pdf** in the same folder.

More recent versions of the QGIS software are available at the QGIS website, as are versions of the QGIS software that will run on other platforms, for example Mac OS, Linux and Android. However, newer and alternate versions of the QGIS software may not include complete documentation and have not been fully tested by Planning. **For this reason, Planning cannot provide full support for use of its *FINDER* Quantum QGIS custom project file (qgs) with versions of the QGIS software other than QGIS 2.6.1 released in December 2014.**

Additional help with the QGIS software is available – in and under the **Quantum** folder included in your product download and via the Internet, you can find a wealth of resources that describe how to get started with the QGIS software and how to explore and utilize the software features.

- In the Quantum folder:

As mentioned above, this folder contains the QGIS software installation file and installation instructions (Install.pdf).

- In the Quantum\Datadocs folder:

Planning's ***FINDER* Quantum QGIS Custom Project File Guide** is designed to provide a general overview of Planning's QGIS custom project file (qgs).

- In the Quantum\Datadocs\Qgis folder:

This folder contains **QGIS-2.6-UserGuide-en.pdf** developed by the Open Source Geospatial Foundation (OSGeo), and for users who want a more in-depth understanding of the QGIS software, **QGIS-2.6-QGIS Training Manual-en.pdf**. You can also visit the QGIS website to access additional support resources and to get information on updates to the QGIS software:

<http://qgis.org/>

The QGIS website can also be accessed from within the software via the **Help Menu**.

- Additional QGIS training and resources are also available from private organizations such as GeoAcademy:

<https://fossgeo.org/free-qgis-courses/>

- And for specific QGIS technical questions related to *FINDER* Quantum, contact:

dlmdpvhelppdesk_mdp@maryland.gov



Appendix B: Help Desk, Support and How to Contact Planning

MdProperty View, *FINDER Quantum* and *FINDER Online* users can get help with their Maryland Department of Planning product or other concerns through the following channels:



Download *MdProperty View*

MdProperty View, formerly a paid subscription product, is now available as a *free* Open Data GIS Download here:

<http://planning.maryland.gov/OurProducts/downloadFiles.shtml>

Data downloads are by jurisdiction, county or Baltimore City, and they include Planning's ArcGIS custom map document file (mxd) you need to begin working with each jurisdiction's map and data layers. If you don't already have the ArcGIS software installed, see **Appendix A: Hardware/Software Requirements and Software Support** for information about purchasing and getting support for the ArcGIS software you need to run the *MdProperty View* application.

Your *MdProperty View* product download includes access to monthly Sales Transaction data, which can also be downloaded via the link above.



Download *FINDER Quantum*

FINDER Quantum, formerly a paid subscription product, is now available as a *free* Open Data GIS Download here:

<http://planning.maryland.gov/OurProducts/downloadFiles.shtml>

Data downloads are by jurisdiction, county or Baltimore City, and they include Planning's QGIS custom project file (qgs) you need to begin working with each jurisdiction's map and data layers – also included in each download is the *free* QGIS software needed to run *FINDER Quantum*. See **Appendix A: Hardware/Software Requirements and Software Support** for information on support options for the QGIS software.

Your *FINDER Quantum* product download includes access to monthly Sales Transaction data, which can also be downloaded via the link above.



Open *FINDER Online*

FINDER Online can be accessed here:

<http://planning.maryland.gov/finderOnline/finderonline.html>

FINDER Online, hosted by the Maryland Department of Planning, operates solely online – it contains user-friendly tools and querying capabilities. This online product includes selected property, planning, boundary and other supplemental map layers and datasets. You can save the results of any data analyses you perform in *FINDER Online* to a .csv export file. **Note that *FINDER Online* no longer requires Adobe® Flash® Player – and see the next page for information about other versions of *FINDER Online*.**



Open *FINDER* Online Lite and *FINDER* Online for Mobile Devices

Planning has also released two supplemental *FINDER* Online products. *FINDER Online Lite* is a simplified version of *FINDER* Online that is compatible with tablets, including iPads, and other mobile devices. *FINDER Online Mobile* is a further simplified application for tablets and mobile devices that incorporates responsive design. Links to each of these products can be found on the *FINDER* Online website:

<http://planning.maryland.gov/OurProducts/PropertyMapProducts/FinderOnlineProduct.shtml>



Help Desk: *MdProperty View* and *FINDER* Quantum Product Support

The Help Desk Team has over 20 years of experience in working with various GIS applications in a variety of operating systems, software and network environments. Email us at:

dlmdpvhelpdesk_mdp@maryland.gov

Help Desk exists to serve new *MdProperty View* and *FINDER* Quantum users who encounter difficulties in downloading or running the product as well as seasoned users who have data-specific questions and/or concerns that are not covered by the *MdProperty View/FINDER Quantum/FINDER Online User's Guide (MdpUsr13.pdf)*. Typical questions handled via the Help Desk include:

- Can State Department of Assessments and Taxation information be retrieved and displayed for every parcel in a county or Baltimore City?
- Are the parcel data provided as point data, polygons or raster images?
- Is high-resolution imagery available for display in combination with the parcel data and tax map images?
- Can I join *MdProperty View* datasets with my external dataset, merge *MdProperty View* or *FINDER* Quantum datasets spatially to create a custom study area or link a product dataset to a spreadsheet?
- Can I import and overlay files created in other GIS applications using *MdProperty View* or *FINDER* Quantum?

If you have already submitted a Help Desk email and you need additional support or information or if you want to be referred to a specific member of our Help Desk Team, contact:

Virginia Hawkins
Support Technician

Phone: 410-767-1420
Email: virginia.hawkins@maryland.gov



Help Desk: *FINDER* Online

Most *FINDER* Online questions about the map and data layers included in *FINDER* Online can be resolved by consulting the [MdProperty View/FINDER Quantum/FINDER Online User's Guide \(MdpUsr13.pdf\)](#). If your questions and/or concerns are still not resolved, email the *FINDER* Online Help Desk at:

dlmdpvhelppdesk_mdp@maryland.gov



Locate Additional Downloadable Map Layers

You can add map layers that are in shapefile format acquired from outside sources to *MdProperty View* or *FINDER* Quantum. Typical sources for these files are other State agencies, local or town government agencies, commercial providers or your own organization. Visit the MD iMap GIS Data Overview web page for a clickable list of GIS data download sites:

<http://imap.maryland.gov/Pages/data.aspx>



Add MD iMap or Other Web Map Services to *MdProperty View*

Over 250 different map layers can also be added as to *MdProperty View* as MD iMap web map services and you can also add other external web map services. Connections to the MD iMap services have already been established for the large-scale imagery shown as part of the map and data layers included in your product download. If you want to add additional map layers, you can find them at one of these MD iMap portals:

Includes a user-friendly search engine with a State map and GIS data categories:

<http://data.imap.maryland.gov/>

Direct link to data folders:

<http://geodata.md.gov/imap/rest/services>

A custom geocoding service can also be accessed via the MD iMap website to support rapid geocoding. The geocoding locator(s) use Planning's Parcel dataset points and a variety of other datasets for geocoding. Select one of these options:

GeocodeServices/MD CompositeLocator

http://geodata.md.gov/imap/rest/services/GeocodeServices/MD_CompositeLocator/GeocodeServer

GeocodeServices/MD CompositeLocatorWithZIPCodeCentroids

http://geodata.md.gov/imap/rest/services/GeocodeServices/MD_CompositeLocatorWithZIPCodeCentroids/GeocodeServer

About Paper or Digital Tax Map Orders

There are several options for ordering. For credit card orders only, you can contact:

Virginia Hawkins
Support Technician

Phone: 410-767-1420
Email: virginia.hawkins@maryland.gov

Or you can print either the Word or the Adobe .pdf form found in the web page sidebar at this link:

<http://planning.maryland.gov/OurProducts/PropertyMapProducts/PaperTaxMaps.shtml>

Fill in the appropriate information and mail, fax (credit card orders only) or email (credit card orders only) your order:

FAX: 410-767-4480
Attention: Property Maps

OR

Maryland Department of Planning, Planning Services Division
301 West Preston Street, Room 1101, Baltimore MD 21201-2305
Attention: Property Maps
virginia.hawkins@maryland.gov

Digital (.TIF) tax map images are sent via email or on DVD via First Class USPS mail at no additional charge depending on total file size. You must supply your email address to place a digital tax map order. Paper copies of tax maps are sent First Class USPS mail at no additional charge.

Parcel Map Production and/or Map Corrections

If you have questions related to parcel map production and/or map corrections, please contact the Property Mapping Section:

Gary Maragos
Property Mapping Program Manager

Phone: 410-767-1218
Email: gary.maragos@maryland.gov

Contact the Maryland Department of Planning

If you need to contact us for any other reason, please write or call:

Maryland Department of Planning
Planning Services Division
301 West Preston Street – Room 1101
Baltimore, MD 21201-2305

Phone: 410-767-4500
Phone: 877-767-6272





Appendix C: Parcel and Sale Dataset Structures

About the Parcel Dataset

Parcel data from the State Department of Assessments and Taxation are a comprehensive dataset that incorporates parcel ownership and address information, parcel valuation information and basic information about the land and structure(s) associated with a given parcel. These data form the basis for the Parcel dataset. The Parcel dataset also includes text descriptions to make parcel code field data more readily accessible and logical True/False fields which identify parcels with certain characteristics, and can be used as a basis for performing various analyses based on the Parcel dataset.

For your convenience, Planning has also created special jurisdiction-wide extracts of the Parcel dataset that contain parcels with certain characteristics. These special extract datasets include an agricultural parcels extract for all jurisdictions except Baltimore City, a commercial/industrial parcels extract, a residential unimproved parcels extract and seven exempt class code extracts.

Parcel Dataset Locations

For *MdProperty View* and *FINDER Quantum*, the Parcel dataset (for example, Talb2013.shp) resides in the Atdata\Database folder and the Extracts datasets reside in the Extracts folder included in each county or Baltimore City product download. These datasets are included in Planning's *MdProperty View* ArcGIS custom map document file and *FINDER Quantum* QGIS custom project file.

For *FINDER Online*, the Parcel dataset is included as a Property Data map layer and updated as each jurisdiction updates throughout the Edition year.

Note that the Extract datasets are not included in *FINDER Online*.

About the Sale Dataset

Sale datasets are created on a monthly basis using data obtained from the State Department of Assessments and Taxation. The datasets include all transactions related to a given sale or transfer **posted through the end of the previous month**. This dataset file structure applies to sale transaction data files including and subsequent to December of 2014.

Sale Dataset Locations

For *MdProperty View* and *FINDER Quantum*, the monthly Sale Dataset can be downloaded from Planning's Open Data GIS Downloads website:

<http://planning.maryland.gov/OurProducts/downloadFiles.shtml>

A start-up Sale dataset for the 12-month period closest to the release date of your product download is included in the downloadable dataset for each county and Baltimore City. The start-up Sale dataset resides in the Atdata\Database folder included in each product download. Subsequent updates to the Sale dataset are posted to the Open Parcel Data Initiative download website each month.

In *FINDER Online*, the Sale dataset – Parcel Sales – is included as a Property Data map layer and updated monthly.

Fields Added to the Parcel and/or Sale Dataset

Fields that were added only to the Parcel dataset are indicated by ^P.

EXISTING^P Current Edition identifier See Page C27 for details

Fields Removed from the Parcel and/or Sale Dataset

Fields that were removed only from the Parcel dataset are indicated by ^P – the following fields were removed from the *MdProperty View/FINDER* Quantum/*FINDER* Online Parcel dataset because these data are now available in the Computer Assisted Mass Appraisal (CAMA) core and building property data characteristics datasets (Talbcama.shp and Talbbldg.shp example Talbot County):

BLDG_TOTAL ^P	Number of buildings on the property	CM_BLDTOTL in Talbcama.shp
BLDG_ROOMS ^P	Number of rooms on the property	CM_BLDROOM
YRBLT_CAMA ^P	Year in which the dwelling was constructed	BL_YEARBLT field in Talbbldg.shp

Fields are described below in the order in which they appear in the Parcel and/or the Sale datasets. Please note that although the majority of fields appear in both datasets, some fields appear only in the Parcel dataset or only in the Sale dataset. Dataset fields are listed as Optional (populated by Assessors), Required (populated by Assessors) or Automatic (computer generated) for State Department of Assessments and Taxation purposes. Dataset fields listed as *MdPV/FINDER* were created by the Maryland Department of Planning exclusively for Planning's downloadable and online products.

✓ Parcel	✓ Sale	JURSCODE	Character Field	Width 4		MdPV/FINDER
----------	--------	----------	-----------------	---------	--	-------------

Four-letter county or Baltimore City code:

ALLE	CALV	CHAR	HARF	PRIN	TALB
ANNE	CARO	DORC	HOWA	QUEE	WASH
BACI	CARR	FRED	KENT	STMA	WICO
BACO	CECI	GARR	MONT	SOME	WORC

✓ Parcel	✓ Sale	ACCTID	Character Field	Width 16		Required
----------	--------	--------	-----------------	----------	--	----------

Parcel account number, a unique identifier for each account within any jurisdiction.

- For Anne Arundel County: positions 1-2 are the jurisdiction (county) code, positions 3-4 are the tax district, positions 5-7 are the subdivision, positions 8-15 are the parcel account number and the remaining position is blank.
- For Baltimore City: positions 1-2 are the jurisdiction (city) code, positions 3-4 are the ward, positions 5-6 are the section, positions 7-10 or 7-11 are the block (position 11 may be blank for some parcels), positions 12-14 or 12-15 are the lot (position 15 may be blank for some parcels) and the remaining position is blank.
- For all other counties: positions 1-2 are the jurisdiction (county) code, positions 3-4 are the tax/election district and the remaining positions up to 12 positions are the parcel account number.

Jurisdiction codes are:

01	Allegany	07	Carroll	13	Harford	19	St. Mary's
02	Anne Arundel	08	Cecil	14	Howard	20	Somerset
03	Baltimore City	09	Charles	15	Kent	21	Talbot
04	Baltimore County	10	Dorchester	16	Montgomery	22	Washington
05	Calvert	11	Frederick	17	Prince George's	23	Wicomico
06	Caroline	12	Garrett	18	Queen Anne's	24	Worcester

✓ Parcel	✓ Sale	DIGXCORD	Numeric Field	Width 9	Decimal Places 1	MdPV/FINDER
✓ Parcel	✓ Sale	DIGYCORD	Numeric Field	Width 9	Decimal Places 1	MdPV/FINDER

Parcel x and y coordinates for all jurisdictions are in the NAD83 meters version of the Maryland State Plane Coordinate System. If the value of the parcel x or y coordinate is zero, there is no linkage between a tax map and *MdProperty View/FINDER Quantum/FINDER Online* datasets for the record.

✓ Parcel	✓ Sale	CT2010	Character Field	Width 12		MdPV/FINDER
✓ Parcel	✓ Sale	BG2010	Character Field	Width 13		MdPV/FINDER

Census 2010 census tract and block group: position 1-2 are the State code (024), positions 3-5 are the jurisdiction FIPS code, positions 6-11 are the census tract and position 12 of BG2010 is the census block group.

✓ Parcel	✓ Sale	GEOGCODE	Character Field	Width 2	Required
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Geographic code of the assessment cycle area: 80 or 81 or 82

✓ Parcel	✓ Sale	OOI	Character Field	Width 1	Required
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Owner occupied indicator: H for occupied by owner, N for not occupied by owner, D for dual use, partly occupied by owner, part of the property is devoted to agricultural, commercial or rental use.

✓ Parcel	RESITYP	Character Field	Width 3	<i>MdPV/FINDER</i>
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Residential address type code; codes are assigned based on the criteria used to create T flags in the RESIDENT, RESI2010, RESI2000, RESI1990, RESIUTHS, APRTMENT or TRAILER logical True/False flag fields, although some records flagged as T in those fields may not be assigned a RESITYP code. See Pages C19 through C26 for additional information, and Page C19 for an example of what might cause a parcel to not be assigned a RESITYP code:

TH generally assigned to a Parcel dataset record that contains a non-condominium townhouse or a single condominium that can be identified as a townhouse, such as a single townhouse in a condominium development where street addresses are 101 MAIN STREET, 102 MAIN STREET, 103 MAIN STREET or 123 MAIN STREET UNIT 1, 123 MAIN STREET UNIT 2, 123 MAIN STREET UNIT 3

CN generally assigned to a Parcel dataset record that contains a single condominium where that condominium (1) is a single street address, for example, 10000 OCEAN HWY, that contains multiple condominium units; or (2) a single condominium in a condominium development where all street addresses are 123 MAIN STREET, even though each condominium unit has its own dataset record

SF generally assigned to a Parcel dataset record that contains a single-family residence, or a single condominium that cannot be identified as a townhouse, where that condominium has a unique street address, for example, a single condominium in a condominium development where street addresses are 101 MAIN STREET, 102 MAIN STREET, 103 MAIN STREET or 123 MAIN STREET UNIT 1, 123 MAIN STREET UNIT 2, 123 MAIN STREET UNIT 3

AP generally assigned to a Parcel dataset record that contains an apartment

TR generally assigned to a Parcel dataset record that contains a mobile home/trailer or mobile home park/trailer park

Where RESITYPE is equal to TH, the TH code may also be assigned where building style/number of stories code (STRUSTYL) is one of the following:

- | | | | |
|------|---------------------------------------|------|---------------------------------------|
| 0015 | STRY TH End 1 Story No Basement | 0022 | STRY TH End 2 1/2 Story With Basement |
| 0016 | STRY TH End 1 Story With Basement | 0023 | STRY TH End 3 Story No Basement |
| 0017 | STRY TH End 1 1/2 Story No Basement | 0024 | STRY TH End 3 Story With Basement |
| 0018 | STRY TH End 1 1/2 Story With Basement | 0025 | STRY TH End 4 Story No Basement |
| 0019 | STRY TH End 2 Story No Basement | 0026 | STRY TH End 4 Story With Basement |
| 0020 | STRY TH End 2 Story With Basement | 0027 | STRY TH End Split Foyer |
| 0021 | STRY TH End 2 1/2 Story No Basement | | |

0029	STRY TH Center 1 Story No Basement	0036	STRY TH Center 2 1/2 Story
0030	STRY TH Center 1 Story With Basement		With Basement
0031	STRY TH Center 1 1/2 Story No Basement	0037	STRY TH Center 3 Story No Basement
0032	STRY TH Center 1 1/2 Story With Basement	0038	STRY TH Center 3 Story With Basement
0033	STRY TH Center 2 Story No Basement	0039	STRY TH Center 4 Story No Basement
0034	STRY TH Center 2 Story With Basement	0040	STRY TH Center 4 Story With Basement
0035	STRY TH Center 2 1/2 Story No Basement	0041	STRY TH Center Split Foyer

✓ Parcel	✓ Sale	ADDRESS	Character Field	Width 60	<i>MdPV/FINDER</i>
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Cleaned-up combined street address. Populated with data from the premise address number (PREMSNUM), premise address direction (PREMSDIR), premise address name (PREMSNAM) and premise address street type (PREMSTYP) fields. ADDRESS is only populated with premise address data if there are data in both premise address number and premise address name.

If ADDRESS cannot be populated by premise address, the field is populated with owner address line 1 (OWNADD1) for parcel accounts with an owner occupied indicator (OOI) of either H (occupied by owner) or D (dual use, partly occupied by owner, part of the property is devoted to agriculture, commercial or rental use), provided that owner address line 1 contains a valid street address and not a post office box.

See [Appendix G: About Address Cleanup in the Parcel Dataset](#) for detailed information about how ADDRESS field data are cleaned up and how the ADDRESS field is populated for inclusion in *MdProperty View/FINDER Quantum/FINDER Online*.

✓ Parcel	STRTRNUM	Character Field	Width 5	<i>MdPV/FINDER</i>
✓ Parcel	STRTRDIR	Character Field	Width 2	<i>MdPV/FINDER</i>
✓ Parcel	STRTRNAM	Character Field	Width 40	<i>MdPV/FINDER</i>
✓ Parcel	STRTRTYP	Character Field	Width 5	<i>MdPV/FINDER</i>
✓ Parcel	STRTRSFX	Character Field	Width 2	<i>MdPV/FINDER</i>
✓ Parcel	STRTRUNT	Character Field	Width 30	<i>MdPV/FINDER</i>

The street address number, street address prefix directional, street address name, street address type and street address suffix directional components of cleaned-up combined street address (ADDRESS) and street address unit.

See [Appendix G: About Address Cleanup in the Parcel Dataset](#) for detailed information about how STRT field data are cleaned up and how STRT fields are populated for inclusion in *MdProperty View/FINDER Quantum/FINDER Online*.

✓ Parcel	ADDRTYP	Character Field	Width 1	<i>MdPV/FINDER</i>
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Street address source indicator: O if the ADDRESS field was populated from owner address line 1 (OWNADD1) and P if the ADDRESS field was populated from premise address (PREMSNUM, PREMSDIR, PREMSNAM and PREMSTYP).

✓ Parcel	✓ Sale	CITY	Character Field	Width 30	MdPV/FINDER
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Cleaned-up combined street address city. CITY is populated with data from premise city (PREMCITY) if there are data in both premise address number (PREMSNUM) and premise address name (PREMSNAM). CITY is populated with owner city data (OWNCITY) if owner address data have been used to populate ADDRESS as described above. Because PREMCITY is not populated in the State Department of Assessments and Taxation dataset for Baltimore County, CITY in Baltimore County *MdProperty View* datasets is populated with owner city data for parcel accounts with an owner occupied indicator (OOI) of either H (occupied by owner) or D (dual use, partly occupied by owner, part of the property is devoted to agriculture, commercial or rental use).

See [Appendix G: About Address Cleanup in the Parcel Dataset](#) for detailed information about how CITY field data are cleaned up and how the CITY field is populated for inclusion in *MdProperty View/FINDER Quantum/FINDER Online*.

✓ Parcel	✓ Sale	ZIPCODE	Character Field	Width 5	MdPV/FINDER
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Cleaned up combined street address primary (5 digit) ZIP code. Must be numeric. ZIPCODE is populated with data from premise primary (5 digit) ZIP code (PREMZIP) if there are data in both premise address number (PREMSNUM) and premise address name (PREMSNAM). ZIPCODE is populated with owner primary (5 digit) ZIP code data (OWNERZIP) if owner address data have been used to populate ADDRESS as described above. Because PREMZIP is not populated in the State Department of Assessments and Taxation dataset for Baltimore County, ZIPCODE in Baltimore County *MdProperty View* datasets is populated with owner primary (5 digit) ZIP code data (OWNERZIP) for parcel accounts with an owner occupied indicator (OOI) of either "H" (occupied by owner) or "D" (dual use, partly occupied by owner, part of the property is devoted to agriculture, commercial or rental use). ZIPCODE is further improved by:

- Standardizing ZIPCODE field content to the current United State Postal Service (USPS) ZIP code shown for a given address, and
- Populating missing ZIPCODE field content for address ranges where the field content is missing and ZIPCODE can be determined from the current USPS ZIP code used for the address range.

See [Appendix G: About Address Cleanup in the Parcel Dataset](#) for detailed information about how ZIPCODE field data are cleaned up and how the ZIPCODE field is populated for inclusion in *MdProperty View/FINDER Quantum/FINDER Online*.

✓ Parcel	✓ Sale	OWNNAME1	Character Field	Width 34	Required
✓ Parcel	✓ Sale	OWNNAME2	Character Field	Width 34	Optional

Owner name lines 1 and 2.

✓ Parcel	✓ Sale	NAMEKEY	Character Field	Width 25	Automatic
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Owner name key, used to facilitate sorting and account look-up. Ensures that like entries are grouped together or entries appear in a particular name order. For example, all 7-11 stores may be keyed in as "SEVENELEVEN STORE". If not filled in through data entry, the first 25 characters of the owner's name are used to generate a name key. In Montgomery County, the first eight characters of the owner's last name plus a space plus the first two characters of the owner's first name are used to generate a name key.

✓ Parcel	✓ Sale	OWNADD1	Character Field	Width 30	Required
✓ Parcel	✓ Sale	OWNADD2	Character Field	Width 30	Optional
✓ Parcel	✓ Sale	OWNCITY	Character Field	Width 22	Required
✓ Parcel	✓ Sale	OWNSTATE	Character Field	Width 2	Required
✓ Parcel	✓ Sale	OWNERZIP	Character Field	Width 5	Optional
✓ Parcel	✓ Sale	OWNZIP2	Character Field	Width 4	Optional

Owner address lines 1 and 2, owner-address city and owner-address state United States Postal Service (USPS) abbreviations for any of the 50 states or the District of Columbia. The following USPS abbreviations are also used:

AA	military service	CZ	Canal Zone	PR	Puerto Rico
AE	military service	FC	foreign country	VI	Virgin Islands
AP	military service	GU	Guam		

Owner address primary (5 digit) and secondary (4 digit) ZIP code (must be numeric). OWNZIP2 cannot be filled in unless OWNERZIP contains a ZIP code.

✓ Parcel	✓ Sale	PREMSNUM	Character Field	Width 5	Optional
✓ Parcel	✓ Sale	PREMSDIR	Character Field	Width 2	Optional
✓ Parcel	✓ Sale	PREMSNAM	Character Field	Width 22	Optional
✓ Parcel	✓ Sale	PREMSTYP	Character Field	Width 5	Optional
✓ Parcel	✓ Sale	PREMCITY	Character Field	Width 22	Optional
✓ Parcel	✓ Sale	PREMZIP	Character Field	Width 5	Optional
✓ Parcel	✓ Sale	PREMZIP2	Character Field	Width 4	Optional

Premise address number (must be numeric), premise address prefix directional (may be left blank), premise address name (must be filled in if there are data in PREMSTYP), premise address street type and premise address city. Premise address primary (5-digit) and secondary (4-digit) ZIP code (must be numeric). PREMZIP2 cannot be filled in unless PREMZIP contains a ZIP code.

✓ Parcel	✓ Sale	LEGAL1	Character Field	Width 24	Required
✓ Parcel	✓ Sale	LEGAL2	Character Field	Width 24	Optional
✓ Parcel	✓ Sale	LEGAL3	Character Field	Width 24	Optional

Legal description lines 1, 2 and 3. LEGAL1 contains IMPS in the first four positions if there is a structure on the property.

✓ Parcel	✓ Sale	DR1CLERK	Character Field	Width 3	Optional
✓ Parcel	✓ Sale	DR1LIBER	Character Field	Width 5	Optional
✓ Parcel	✓ Sale	DR1FOLIO	Character Field	Width 4	Optional

Deed reference 1 clerk's initials or empty, liber (must be numeric) and folio (must be numeric).

✓Parcel	✓Sale	TOWNCODE	Character Field	Width 3	Required
✓Parcel	✓Sale	DESCTOWN	Character Field	Width 25	MdPV/FINDER

Incorporated town code and town code description (town name). Town code must be numeric. County keywords are included at the beginning of the DESC TOWN field to make it easier to select all parcels in a county that have been assigned a town code. Please note that Baltimore City and Baltimore and Howard counties do not use town codes.

Allegany

- 001 ALLE Cumberland
- 011 ALLE Frostburg
- 201 ALLE Barton
- 202 ALLE Lonaconing
- 203 ALLE Luke
- 204 ALLE Midland
- 205 ALLE Westernport

Anne Arundel

- 001 ANNE Annapolis
- 002 ANNE Highland Beach

Baltimore City

No town codes

Baltimore County

No town codes

Calvert

- 001 CALV Chesapeake Beach
- 002 CALV North Beach

Caroline

- 010 CARO Denton
- 020 CARO Federalsburg
- 030 CARO Greensboro
- 040 CARO Hillsboro
- 050 CARO Marydel
- 060 CARO Preston
- 070 CARO Ridgely
- 080 CARO Goldsboro
- 090 CARO Henderson
- 100 CARO Templeville

Carroll

- 011 CARR Taneytown
- 051 CARR Sykesville
- 061 CARR Manchester
- 071 CARR Westminster
- 081 CARR Hampstead
- 111 CARR New Windsor
- 121 CARR Union Bridge
- 131 CARR Mount Airy

Cecil

- 010 CECI Cecilton
- 020 CECI Chesapeake City
- 030 CECI Elkton
- 040 CECI North East
- 050 CECI Charlestown
- 060 CECI Rising Sun
- 070 CECI Port Deposit
- 080 CECI Perryville

Charles

- 010 CHAR Indian Head
- 029 CHAR La Plata
- 030 CHAR Port Tobacco

Dorchester

- 001 DORC Secretary
- 002 DORC East New Market
- 003 DORC Cambridge
- 004 DORC Hurlock
- 005 DORC Vienna
- 006 DORC Church Creek
- 007 DORC Galestown
- 008 DORC Brookview
- 009 DORC Eldorado

Frederick

- 001 FRED Brunswick
- 002 FRED Burkittsville
- 003 FRED Emmitsburg
- 004 FRED Frederick City
- 005 FRED Middletown
- 006 FRED Mount Airy
- 007 FRED Myersville
- 008 FRED New Market
- 009 FRED Rosemont
- 010 FRED Thurmont
- 011 FRED Walkersville
- 012 FRED Woodsboro

Garrett

- 264 GARR Accident
- 300 GARR Deer Park
- 312 GARR Friendsville
- 324 GARR Grantsville
- 336 GARR Kitzmiller
- 348 GARR Loch Lynn Heights
- 360 GARR Mountain Lake Park
- 372 GARR Oakland

Harford

- 200 HARF Aberdeen
- 300 HARF Bel Air
- 600 HARF Havre De Grace

Howard

No town codes

Kent

- 010 KENT Betterton
- 020 KENT Chestertown
- 030 KENT Galena
- 040 KENT Millington
- 050 KENT Rock Hall

Montgomery

- 001 MONT Friendship Heights
- 002 MONT Drummond
- 003 MONT Oakmont
- 004 MONT Chevy Chase Village
- 005 MONT Chevy Chase Sec. 3
- 006 MONT Chevy Chase Town of
- 007 MONT Chevy Chase Sec. 5
- 008 MONT Martins Addition
- 009 MONT Chevy Chase North
- 010 MONT Chevy Chase View
- 011 MONT Battery Park
- 012 MONT Rockville
- 013 MONT Gaithersburg
- 014 MONT Barnesville
- 015 MONT Laytonsville
- 016 MONT Poolesville
- 017 MONT Garrett Park

Montgomery (continued)

018 MONT Glen Echo
 019 MONT Somerset
 020 MONT Brookville
 021 MONT Washington Grove
 022 MONT Kensington
 023 MONT Takoma Park

Prince George's

072 PRIN New Carrollton
 073 PRIN Eagle Harbor
 074 PRIN Greenbelt
 075 PRIN Berwyn Heights
 076 PRIN Bladensburg
 077 PRIN Bowie
 078 PRIN Brentwood
 079 PRIN Capitol Heights
 080 PRIN Cheverly
 081 PRIN College Park
 082 PRIN Colmar Manor
 083 PRIN Cottage City
 084 PRIN District Heights
 085 PRIN Edmonston
 086 PRIN Fairmount Heights
 087 PRIN Glenarden
 088 PRIN Hyattsville
 089 PRIN Landover Hills
 090 PRIN Laurel
 091 PRIN Mount Rainier
 092 PRIN North Brentwood
 093 PRIN Riverdale Park
 094 PRIN Seat Pleasant
 096 PRIN University Park
 097 PRIN Upper Marlboro
 098 PRIN Morningside
 099 PRIN Forest Heights

Queen Anne's

001 QUEE Sudlersville
 002 QUEE Church Hill
 003 QUEE Centreville
 004 QUEE Queenstown
 005 QUEE Queen Anne
 006 QUEE Templeville
 008 QUEE Barclay
 040 QUEE Millington

St. Mary's

100 STMA Leonardtown

Somerset

001 SOME Crisfield
 002 SOME Princess Anne

Talbot

001 TALB Easton
 002 TALB St. Michaels
 003 TALB Trappe
 004 TALB Oxford
 005 TALB Queen Anne

Washington

010 WASH Sharpsburg
 020 WASH Williamsport
 030 WASH Hagerstown
 040 WASH Clear Spring
 050 WASH Hancock
 060 WASH Boonesboro
 070 WASH Smithsburg
 100 WASH Funkstown
 190 WASH Keedysville

Wicomico

001 WICO Salisbury
 002 WICO Mardela Springs
 003 WICO Pittsville
 004 WICO Sharptown
 005 WICO Delmar
 006 WICO Willards
 007 WICO Hebron
 008 WICO Fruitland

Worcester

001 WORC Pocomoke City
 002 WORC Snow Hill
 003 WORC Berlin
 010 WORC Ocean City
 101 WORC Ocean City
 102 WORC Ocean City
 103 WORC Ocean City
 104 WORC Ocean City
 105 WORC Ocean City
 106 WORC Ocean City
 107 WORC Ocean City
 108 WORC Ocean City
 109 WORC Ocean City

✓ Parcel	✓ Sale	SUBDIVSN	Character Field	Width 4	Optional
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Subdivision code. In Prince George's County only, the PLAT field is also used to assign subdivision codes; subdivision codes in that county are assigned based on a combination of tax district, subdivision code and plat. Subdivision codes and code descriptions are not included in the *MdProperty View* data documentation because the State Department of Assessments and Taxation subdivision description list contains over 20,000 entries statewide.

Subdivision codes/descriptions are not used by the following jurisdictions: Caroline, Carroll, Frederick and Wicomico counties and Baltimore City.

✓ Parcel	✓ Sale	DSUBCODE	Character Field	Width 6	<i>MdPV/FINDER</i>
✓ Parcel	✓ Sale	DESCSUBD	Character Field	Width 75	<i>MdPV/FINDER</i>

District subdivision code, a combination of tax district (positions 3 and 4 of parcel account number, the ACCTID field) and subdivision code (SUBDIVSN); and subdivision code description (subdivision name). A given parcel may not have an associated subdivision code description even if a subdivision code is assigned to that parcel. This is especially true for parcels in older subdivisions. A list of subdivision code descriptions is not provided as part of the *MdProperty View* data documentation because the State Department of Assessments and Taxation subdivision description list contains over 20,000 entries statewide.

Subdivision codes/descriptions are not used by the following jurisdictions: Caroline, Carroll, Frederick and Wicomico counties and Baltimore City.

✓ Parcel	✓ Sale	PLAT	Character Field	Width 6	Optional
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Subdivision plat, where a plat is a piece of land divided into building lots. Contents of this field are usually a sequential number assigned to a plat. Plat numbers in Prince George's County that begin with A or E may appear on property maps as numbers only.

✓ Parcel		PLTLIBER	Character Field	Width 7	Optional
✓ Parcel		PLTFOLIO	Character Field	Width 4	Optional

Plat liber and folio, used for subdivisions (must be numeric).

✓ Parcel	✓ Sale	SECTION	Character Field	Width 3	Optional
✓ Parcel	✓ Sale	BLOCK	Character Field	Width 5	Optional
✓ Parcel	✓ Sale	LOT	Character Field	Width 5	Optional
✓ Parcel	✓ Sale	MAP	Character Field	Width 5	Required
✓ Parcel	✓ Sale	GRID	Character Field	Width 5	Required
✓ Parcel	✓ Sale	PARCEL	Character Field	Width 5	Optional

Subdivision plat section, block and lot and parcel map number, grid and parcel. The first four positions of MAP, GRID and PARCEL must be numeric. Parcel map numbers that appear in *MdProperty View/FINDER Quantum/FINDER Online* datasets for Montgomery County are the paper tax map numbers rather than the State Department of Assessments and Taxation dataset tax map number equivalents.

✓ Parcel	✓ Sale	ZONING	Character Field	Width 5	Optional
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Zoning code. Information about field data content should be addressed to the Determining Zoning Authorities in Maryland's 24 jurisdictions and jurisdiction municipalities. Information about ZONING field data content should be addressed to the Determining Zoning Authorities in Maryland's 24 jurisdictions and jurisdiction municipalities. Contact information for Determining Zoning Authorities is available on the Maryland Department of Planning website at:

<http://planning.maryland.gov/OurWork/Counties/LocalPlanningByCounty.shtml>

The link leads you to an interactive map which provides contact information for the Determining Zoning Authorities. If you use ZONING data in your projects, please check the website often for the latest information available on each Determining Zoning Authority, as listings change frequently.

Important – Read before using ZONING data in your projects

Data included in the ZONING fields found in *MdProperty View/FINDER Quantum/FINDER Online Parcel and Sale* datasets are as received in the parcel download for each jurisdiction provided to the Maryland Department of Planning by the State Department of Assessments and Taxation. **Assessments neither substantiates nor warrants the completeness or validity of entries in the ZONING field.**

Several variables may affect the quality of the zoning data available for a given jurisdiction. Zoning data may not be updated to reflect current zoning changes in a jurisdiction. In some or many cases, no zoning data may be provided for a given jurisdiction. Zoning decisions are made at the county or municipality level, and as such, may not be communicated to Assessments.

Planning and Assessments strongly suggest that you verify data contained in the ZONING field with the determining zoning authority or authorities in the jurisdiction you are using, which is the best and responsible source for timely and accurate zoning data. Many jurisdictions make their GIS zoning layer available in digital format – you can add this layer as an overlay to your map in *MdProperty View* or *FINDER Quantum*.

✓ Parcel	ZNCHGDAT	Character Field	Width 8	Optional
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The date a parcel was last rezoned.

✓ Parcel	RZREALDAT	Character Field	Width 8	Optional
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Rezoned Reality Date, the date a property area was rezoned. For example, a homeowner can have their property assessed for tax purposes as residential even though their property is now zoned commercial. Before the property is sold, if land use (LU) is commercial, the assessment/taxes are subject to recapture.

✓ Parcel	✓ Sale	CIUSE	Character Field	Width 5	Optional
✓ Parcel	✓ Sale	DESCCIUSE	Character Field	Width 60	<i>MdPV/FINDER</i>

Commercial and industrial property use code (must be numeric), used to identify the specific uses of improved commercial/industrial properties. The code is also used to identify properties owned by public utilities and railroads (both vacant and improved) and to indicate their status as to operating or non-operating.

Keywords are included in the descriptions contained in the DESC CIUSE field to make it easier to select groups of records by subject area. Keywords appear in the field at the beginning of each description. New codes and code descriptions have been added for the current Edition.

See Appendix E: Commercial and Industrial Use Codes and Descriptions for a detailed list of codes, code descriptions and keywords included in *MdProperty View/FINDER Quantum/FINDER Online*.

✓ Parcel	✓ Sale	EXCLASS	Character Field	Width 3	Required
✓ Parcel	✓ Sale	DESCEXCL	Character Field	Width 60	MdPV/FINDER

Exemption class code (must be numeric) and code description. Exemption class code data must be 000 for taxable properties or 999 for properties where the taxable status is unknown. Exemption class codes are grouped as follows:

100-190	PUB	Public Owned Real Property or U.S.A. Federal Property
200-390	STA	State Owned Real Property
400-590	JUR	County or Baltimore City Owned Real Property
600-690	MUN	Town or Municipality Owned Real Property
700-795	PVT	Privately Owned Real Property
800-994	NPF	Non-Profit or Charitable Organizations

010-090 OTH All other classes

Keywords are included in the descriptions contained in the DESCEXCL field to make it easier to select groups of records by subject area. Keywords appear in the field at the beginning of each description. No new codes or code descriptions have been added for the current Edition.

See [Appendix F: Exempt Class Codes and Descriptions](#) for a detailed list of codes, code descriptions and keywords included in *MdProperty View/FINDER Quantum/FINDER Online*.

✓ Parcel	✓ Sale	LU	Character Field	Width 2	Required
✓ Parcel	✓ Sale	DESCLU	Character Field	Width 23	MdPV/FINDER

Land use code and code description:

A	Agriculture	E	Exempt	R	Residential
C	Commercial	EC	Exempt Commercial	RC	Residential Commercial
CA	Country Club	I	Industrial	TH	Town House
CC	Commercial Condominium	M	Apartments	U	Residential Condominium
CR	Commercial Residential	MA	Marsh Land		

✓ Parcel	✓ Sale	ACRES	Numeric Field	Width 11	Decimal Places 3	MdPV/FINDER
✓ Parcel	✓ Sale	LANDAREA	Numeric Field	Width 11	Decimal Places 3	Optional
✓ Parcel	✓ Sale	LUOM	Character Field	Width 1		Optional

LANDAREA converted to acres. Land area acres or square feet, as indicated by LUOM. Land area unit of measure: A for acres or S for square feet. LUOM must be filled in if there are data in LANDAREA.

✓ Parcel	✓ Sale	WIDTH	Numeric Field	Width 7	Decimal Places 2	Optional
✓ Parcel	✓ Sale	DEPTH	Numeric Field	Width 7	Decimal Places 2	Optional

Effective width and effective depth. WIDTH must be filled in if there are data in DEPTH and DEPTH must be filled in if there are data in WIDTH.

✓ Parcel	✓ Sale	PFUW	Character Field	Width 1	Optional
✓ Parcel	✓ Sale	PFUS	Character Field	Width 1	Optional
✓ Parcel	✓ Sale	PFLW	Character Field	Width 1	Optional
✓ Parcel	✓ Sale	PFSP	Character Field	Width 1	Optional
✓ Parcel	✓ Sale	PFSU	Character Field	Width 1	Optional

Property factor utilities, water: 1 for public water 2 for private water or 0
Property factor utilities, sewer: 1 for public sewer 2 for private sewer or 0
Property factor location, waterfront: 1 for waterfront property 2 for waterview or 0
Property factor street, paved: 1 for paved street or 0
Property factor street, unpaved: 1 for unpaved street or 0

✓ Parcel	✓ Sale	PFIC	Character Field	Width 1	Optional
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Property factor influence, commercial/industrial: 1 for commercial/industrial influence or 0. May contain an alphabetic character indicating the type of income producing property:

A	apartment	H	hotel/motel	S	subsidized housing
C	commercial/industrial	M	marina	T	mobile home park
D	cemetery	N	nursing home		
G	garage	O	non-income producing		

✓ Parcel	✓ Sale	PFIH	Character Field	Width 1	Optional
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Property factor influence, historical: 1 for historical influence or 0.

✓ Parcel	✓ Sale	RECIND	Character Field	Width 1	Optional
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Recreational influence indicator: 1 for recreational or 0

✓ Parcel		PERMITTYP	Character Field	Width 3	Optional
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Building permit code and description associated with the building:

ADO	Addition \$100,000 or over	OSO	New Outstructure \$100,000 or over
ADU	Addition under \$100,000	OSU	New Outstructure under \$100,000
NBO	New Commercial Building \$100,000 or over	OTH	Other
NBU	New Commercial Building under \$100,000	RMO	Remodel/Rehab \$100,000 or over
NDO	New Dwelling \$100,000 or over	RMU	Remodel/Rehab under \$100,000
NDU	New Dwelling under \$100,000		

✓ Parcel	✓ Sale	YEARBLT	Character Field	Width 4	Optional
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Year structure was built (must be numeric and format CCYY). Must be filled in if there are data in STRUGRAD, STRUCNST, STRUSTYL, STRUBLDG or SQFTSTRC.

✓ Parcel	✓ Sale	SQFTSTRC	Numeric Field	Width 7	Optional
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Foundation square footage of the principal structure (may be zero). Must be filled in if there are data in STRUCODE or YEARBLT.

✓ Parcel	✓ Sale	STRUGRAD	Character Field	Width 1	Optional
✓ Parcel	✓ Sale	DESCGRAD	Character Field	Width 20	MdPV/FINDER
✓ Parcel	✓ Sale	STRUCNST	Character Field	Width 4	MdPV/FINDER
✓ Parcel	✓ Sale	DESCCNST	Character Field	Width 25	MdPV/FINDER
✓ Parcel	✓ Sale	STRUSTYL	Character Field	Width 4	Optional
✓ Parcel	✓ Sale	DESCSTYL	Character Field	Width 45	MdPV/FINDER
✓ Parcel	✓ Sale	STRUBLDG	Character Field	Width 4	Optional
✓ Parcel	✓ Sale	DESCBLDG	Character Field	Width 45	MdPV/FINDER

Where there is a corresponding Computer Assisted Mass Appraisal (CAMA) record for the structure:

- Quality of construction/grade code (STRUGRAD) and description (DESCGRAD)
- Type of construction code (STRUCNST) and description (DESCCNST)
Commercial codes begin with the letter C
- Building style/number of stories code (STRUSTYL) and description (DESCSTYL)
Commercial codes begin with the letter C
- Building type code (STRUBLDG) and description (DESCBLDG)
Commercial codes begin with the letter C

Keywords are included in the descriptions contained in the DESCGRAD, DESCNST, DESCSTYL and DESCBLDG fields to make it easier to select groups of records by subject area. Keywords appear in the field at the beginning of each description. No new residential and commercial codes and code descriptions have been added for the current Edition.

See [Appendix J: Parcel, Sale and CAMA Property and Building Codes and Descriptions](#) for a detailed list of codes, code descriptions and keywords included in *MdProperty View/FINDER Quantum/FINDER Online*.

✓ Parcel	✓ Sale	LASTINSP	Character Field	Width 6	Optional
✓ Parcel	✓ Sale	LASTASSD	Character Field	Width 6	Required
✓ Parcel	✓ Sale	ASSESSOR	Character Field	Width 4	Required

Date last inspected, date last assessed and assessor numeric code. The date must be numeric and the format must be YYYYMM.

✓ Parcel	✓ Sale	TRANSNO1	Character Field	Width 6	Optional
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Sale transfer number (must be numeric). Must be a number that has not been used previously.

✓ Parcel	✓ Sale	GRNTNAM1	Character Field	Width 34	Automatic
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Sale grantor name (the name of the person who last sold the house). If not filled in through data entry, the previous owner's name is used to automatically generate a grantor name.

✓ Parcel	✓ Sale	GR1CLRK1	Character Field	Width 3	Automatic
✓ Parcel	✓ Sale	GR1LIBR1	Character Field	Width 5	Automatic
✓ Parcel	✓ Sale	GR1FOLO1	Character Field	Width 4	Automatic

Grantor deed reference 1 (most recent grantor) clerks' initials (may be blank), liber (must be numeric) and folio (must be numeric). If not filled in through data entry, data from the previous owner's deed reference 1 are automatically used to generate these fields.

✓ Parcel	✓ Sale	CONVEY1	Character Field	Width 1	Optional
✓ Parcel	✓ Sale	TRADATE	Character Field	Width 8	Optional

How conveyed (what kind of sale was it when the house was last sold) and transfer date. Transfer date must be numeric, format YYYYMMDD. If the transfer date (TRADATE) is on or after October 1, 1994, there are four possible values for "how conveyed":

- | | | |
|---|---------------------------|---|
| 1 | private improved | arms-length transfer, improved |
| 2 | private vacant | arms-length transfer, vacant at time of sale |
| 3 | multiple account transfer | arms-length transfer, multiple parcel |
| 4 | other | non-arms-length transfer such as a foreclosure, gift or auction |
| 0 | no data | |

✓ Parcel	✓ Sale	CONSIDR1	Numeric Field	Width 9	Optional
✓ Parcel	✓ Sale	MORTGAG1	Numeric Field	Width 9	Optional

Consideration (the amount of money paid for the property – may be zero) and mortgage.

✓ Parcel		NFMLNDVL	Numeric Field	Width 9	Optional
✓ Parcel		NFMIMPVL	Numeric Field	Width 9	Optional
✓ Parcel		NFMTTLVL	Numeric Field	Width 11	<i>MdPV/FINDER</i>

New full market land value (appraised land value), new full market improvement value (appraised improvement value) and new full market total value (land value plus improvement value). May be zero.

✓ Sale	CURLNDVL	Numeric Field	Width 9	Optional
✓ Sale	CURIMPVL	Numeric Field	Width 9	Optional
✓ Sale	CURTTLVL	Numeric Field	Width 11	MdPV/FINDER

Current full market land value (appraised land value), current full market improvement value (appraised improvement value) and current full market total value (land value plus improvement value); may be zero.

✓ Sale	SALLNDVL	Numeric Field	Width 9	Optional
✓ Sale	SALIMPVL	Numeric Field	Width 9	Optional
✓ Sale	SALTTLVL	Numeric Field	Width 11	MdPV/FINDER

Sale land value (appraised land value), sale improvement value (appraised improvement value) and sale total value (land value plus improvement value) of the property at the time of the sale; may be zero.

✓ Parcel	CRTARCOD	Character Field	Width 2	Optional
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Critical area code: C for conservation area, L for limited development area or I for intensely developed area

✓ Parcel	FCMACODE	Character Field	Width 1	Optional
----------	----------	-----------------	---------	----------

Forest Conservation Management Agreement code: Y if the property has this type of agreement.

✓ Parcel	AGFNDAREA	Numeric Field	Width 7	Decimals 2	Optional
✓ Parcel	AGFNDLUOM	Character Field	Width 1		Optional

Agricultural land preservation foundation area, acres or square feet, as indicated by AGFNDLUOM, agricultural land preservation foundation area land area unit of measure: A for acres or S for square feet. AGFNDLUOM must be filled in if there are data in AGFNDAREA.

✓ Parcel	ENTZNDAT	Character Field	Width 8	Optional
✓ Parcel	ENTZNASSM	Numeric Field	Width 9	Optional

Contract date of the Enterprise Zone agreement and the base assessment at the time the property owner entered into the agreement.

✓ Parcel	PLNDEV DAT	Character Field	Width 8	Optional
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Date when a parcel was designated as a Planned Urban Development (PUD).

✓ Parcel	NPRCTSTDAT	Character Field	Width 8		Optional
✓ Parcel	NPRCAREA	Numeric Field	Width 7	Decimals 2	Optional
✓ Parcel	NPRCLUOM	Character Field	Width 1		Optional

Date of the last perc test for a parcel, indicating that the parcel is a non-buildable lot. Non-perc test area, acres or square feet, as indicated by NPRCLUOM, non-perc test land area unit of measure: A for acres or S for square feet. NPRCLUOM must be filled in if there are data in NPRCAREA.

✓ Parcel	HOMQLCOD	Character Field	Width 1		Optional
----------	----------	-----------------	---------	--	----------

The code applied to a homeowner's application for a Homestead Tax Credit by the State Department of Assessments and Taxation at various points in the application review process.

A, B, H or V	Approved	P	Application received
X	Denied	G	No application on file

✓ Parcel	HOMQLDAT	Character Field	Width 8		Optional
----------	----------	-----------------	---------	--	----------

The date that the code assigned to a homeowner's application for a Homestead Tax Credit was applied by the State Department of Assessments and Taxation.

✓ Parcel	BLDG_STORY	Character Field	Width 10		Optional
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Number of stories in a building.

✓ Parcel	BLDG_UNITS	Numeric Field	Width 10		Optional
----------	------------	---------------	----------	--	----------

Number of building units. How this field is applied depends on the type of property the building units are associated with.

If the property is a commercial property such as a commercial condominium and the number of units is a high number, this field could be interpreted as a count of individual condominium units within a single condominium building on the property. If the property is a residential property, this field might more accurately be interpreted as the number of dwelling units on the property, which could be, for example, two dwelling units within a single building (residence) or two dwelling units within two separate residences on a property, such as a house and a trailer.

Indicates whether a dataset record is flagged T for RESIDENT based on the following criteria:

- Building type code (STRUBLDG) is one of the following:

0001	DWLL Standard Unit	0007	DWLL Condominium Townhouse
0002	DWLL End Unit	0008	DWLL Condominium Garden Unit
0003	DWLL Center Unit	0009	DWLL Condominium High Rise
0004	DWLL Split Foyer	0010	DWLL Condominium Penthouse
0005	DWLL Split Level	0011	DWLL Condominium Studio
C227	HOUSING Residence	C308	HOUSING Rental Townhouse Unit(s)
C113	HOUSING Residence Multiple ¹	C309	HOUSING Efficiency/Efficiencies

OR

- Building style code (STRUSTYL) is: CND for HOUSING Condominium(s)

OR

- Land use code (LU) is one of the following:

A	agricultural	RC	residential commercial
CR	commercial residential	TH	town house
R	residential	U	residential condominium

AND

- New full market improvement value (NFMIMPVL) is equal to or greater than \$10,000.

MdProperty View/FINDER Quantum/FINDER Online dataset records flagged T for RESIDENT are associated with one of three RESITYPE field values, unless they are T (True) for a subsequent flag field:

- TH generally assigned to a Parcel dataset record that contains a non-condominium townhouse or a single condominium that can be identified as a townhouse, such as a single townhouse in a condominium development where street addresses are 101 MAIN STREET, 102 MAIN STREET, 103 MAIN STREET or 123 MAIN STREET UNIT 1, 123 MAIN STREET UNIT 2, 123 MAIN STREET UNIT 3
- CN generally assigned to a Parcel dataset record that contains a single condominium where that condominium (1) is a single street address, for example, 10000 OCEAN HWY, that contains multiple condominium units; or (2) a single condominium in a condominium development where all street addresses are 123 MAIN STREET, even though each condominium unit has its own dataset record
- SF generally assigned to a Parcel dataset record that contains a single-family residence, or a single condominium that cannot be identified as a townhouse, where that condominium has a unique street address, for example, a single condominium in a condominium development where street addresses are 101 MAIN STREET, 102 MAIN STREET, 103 MAIN STREET or 123 MAIN STREET UNIT 1, 123 MAIN STREET UNIT 2, 123 MAIN STREET UNIT 3

¹ C113 HOUSING Residence Multiple is a good example of a building type code (STRUBLDG) that could cause a parcel record to not be assigned a RESITYP code. If there is no information contained in other Parcel dataset fields such as building style code (STRUSTYL), commercial and industrial use code (CIUSE) or land use code (LU) that allows a building coded C113 HOUSING Residence Multiple to be identified as, for example, a condominium, as opposed to an apartment building based on land use code (LU) being equal to M for apartment, or a fraternity based on commercial and industrial use code (CIUSE) being equal to 80040 COMMUNITY Fraternity, the RESITYP code for the parcel will be blank.

Note also that the RESITYP code would also be blank in the last example, if commercial and industrial use code (CIUSE) was equal to 80040 COMMUNITY Fraternity, because the parcel would then be coded T for SPECIAL, and parcels coded T for SPECIAL are not assigned a RESITYP code.

Indicates whether a dataset record is flagged T for RESI2010 based on the following criteria:

- Building type code (STRUBLDG) is one of the following:

0001	DWLL Standard Unit	0007	DWLL Condominium Townhouse
0002	DWLL End Unit	0008	DWLL Condominium Garden Unit
0003	DWLL Center Unit	0009	DWLL Condominium High Rise
0004	DWLL Split Foyer	0010	DWLL Condominium Penthouse
0005	DWLL Split Level	0011	DWLL Condominium Studio
C227	HOUSING Residence	C308	HOUSING Rental Townhouse Unit(s)
C113	HOUSING Residence Multiple	C309	HOUSING Efficiency/Efficiencies

OR

- Building style code (STRUSTYL) is: CND for HOUSING Condominium(s)

OR

- Land use code (LU) is one of the following:

A	agricultural	RC	residential commercial
CR	commercial residential	TH	town house
R	residential	U	residential condominium

AND

- New full market improvement value (NFMIMPVL) is equal to or greater than \$10,000.

AND

- Year built (YEARBLT) is equal to or greater than 2010 and equal to or less than 2019

MdProperty View/FINDER Quantum/FINDER Online dataset records flagged T for RESI2010 are associated with one of three RESITYPE field values, unless they are T (True) for a subsequent flag field:

TH	generally assigned to a Parcel dataset record that contains a non-condominium townhouse or a single condominium that can be identified as a townhouse, such as a single townhouse in a condominium development where street addresses are 101 MAIN STREET, 102 MAIN STREET, 103 MAIN STREET or 123 MAIN STREET UNIT 1, 123 MAIN STREET UNIT 2, 123 MAIN STREET UNIT 3
CN	generally assigned to a Parcel dataset record that contains a single condominium where that condominium (1) is a single street address, for example, 10000 OCEAN HWY, that contains multiple condominium units; or (2) a single condominium in a condominium development where all street addresses are 123 MAIN STREET, even though each condominium unit has its own dataset record
SF	generally assigned to a Parcel dataset record that contains a single-family residence, or a single condominium that cannot be identified as a townhouse, where that condominium has a unique street address, for example, a single condominium in a condominium development where street addresses are 101 MAIN STREET, 102 MAIN STREET, 103 MAIN STREET or 123 MAIN STREET UNIT 1, 123 MAIN STREET UNIT 2, 123 MAIN STREET UNIT 3

Indicates whether a dataset record is flagged T for RESI2000 based on the following criteria:

- Building type code (STRUBLDG) is one of the following:

0001	DWLL Standard Unit	0007	DWLL Condominium Townhouse
0002	DWLL End Unit	0008	DWLL Condominium Garden Unit
0003	DWLL Center Unit	0009	DWLL Condominium High Rise
0004	DWLL Split Foyer	0010	DWLL Condominium Penthouse
0005	DWLL Split Level	0011	DWLL Condominium Studio
C227	HOUSING Residence	C308	HOUSING Rental Townhouse Unit(s)
C113	HOUSING Residence Multiple	C309	HOUSING Efficiency/Efficiencies

OR

- Building style code (STRUSTYL) is: CND for HOUSING Condominium(s)

OR

- Land use code (LU) is one of the following:

A	agricultural	RC	residential commercial
CR	commercial residential	TH	town house
R	residential	U	residential condominium

AND

- New full market improvement value (NFMIMPVL) is equal to or greater than \$10,000.

AND

- Year built (YEARBLT) is equal to or greater than 2000 and equal to or less than 2009

MdProperty View/FINDER Quantum/FINDER Online dataset records flagged T for RESI2000 are associated with one of three RESITYPE field values, unless they are T (True) for a subsequent flag field:

TH	generally assigned to a Parcel dataset record that contains a non-condominium townhouse or a single condominium that can be identified as a townhouse, such as a single townhouse in a condominium development where street addresses are 101 MAIN STREET, 102 MAIN STREET, 103 MAIN STREET or 123 MAIN STREET UNIT 1, 123 MAIN STREET UNIT 2, 123 MAIN STREET UNIT 3
CN	generally assigned to a Parcel dataset record that contains a single condominium where that condominium (1) is a single street address, for example, 10000 OCEAN HWY, that contains multiple condominium units; or (2) a single condominium in a condominium development where all street addresses are 123 MAIN STREET, even though each condominium unit has its own dataset record
SF	generally assigned to a Parcel dataset record that contains a single-family residence, or a single condominium that cannot be identified as a townhouse, where that condominium has a unique street address, for example, a single condominium in a condominium development where street addresses are 101 MAIN STREET, 102 MAIN STREET, 103 MAIN STREET or 123 MAIN STREET UNIT 1, 123 MAIN STREET UNIT 2, 123 MAIN STREET UNIT 3

Indicates whether a dataset record is flagged T for RESI1990 based on the following criteria:

- Building type code (STRUBLDG) is one of the following:

0001	DWLL Standard Unit	0007	DWLL Condominium Townhouse
0002	DWLL End Unit	0008	DWLL Condominium Garden Unit
0003	DWLL Center Unit	0009	DWLL Condominium High Rise
0004	DWLL Split Foyer	0010	DWLL Condominium Penthouse
0005	DWLL Split Level	0011	DWLL Condominium Studio
C227	HOUSING Residence	C308	HOUSING Rental Townhouse Unit(s)
C113	HOUSING Residence Multiple	C309	HOUSING Efficiency/Efficiencies

OR

- Building style code (STRUSTYL) is: CND for HOUSING Condominium(s)

OR

- Land use code (LU) is one of the following:

A	agricultural	RC	residential commercial
CR	commercial residential	TH	town house
R	residential	U	residential condominium

AND

- New full market improvement value (NFMIMPVL) is equal to or greater than \$10,000.

AND

- Year built (YEARBLT) is equal to or greater than 1990 and equal to or less than 1999

MdProperty View/FINDER Quantum/FINDER Online dataset records flagged T for RESI1990 are associated with one of three RESITYPE field values, unless they are T (True) for a subsequent flag field:

TH	generally assigned to a Parcel dataset record that contains a non-condominium townhouse or a single condominium that can be identified as a townhouse, such as a single townhouse in a condominium development where street addresses are 101 MAIN STREET, 102 MAIN STREET, 103 MAIN STREET or 123 MAIN STREET UNIT 1, 123 MAIN STREET UNIT 2, 123 MAIN STREET UNIT 3
CN	generally assigned to a Parcel dataset record that contains a single condominium where that condominium (1) is a single street address, for example, 10000 OCEAN HWY, that contains multiple condominium units; or (2) a single condominium in a condominium development where all street addresses are 123 MAIN STREET, even though each condominium unit has its own dataset record
SF	generally assigned to a Parcel dataset record that contains a single-family residence, or a single condominium that cannot be identified as a townhouse, where that condominium has a unique street address, for example, a single condominium in a condominium development where street addresses are 101 MAIN STREET, 102 MAIN STREET, 103 MAIN STREET or 123 MAIN STREET UNIT 1, 123 MAIN STREET UNIT 2, 123 MAIN STREET UNIT 3

Indicates whether a dataset record is flagged T for RESIUTHS based on the following criteria:

- Building type code (STRUBLDG) is one of the following:

0001	DWLL Standard Unit	0007	DWLL Condominium Townhouse
0002	DWLL End Unit	0008	DWLL Condominium Garden Unit
0003	DWLL Center Unit	0009	DWLL Condominium High Rise
0004	DWLL Split Foyer	0010	DWLL Condominium Penthouse
0005	DWLL Split Level	0011	DWLL Condominium Studio
C227	HOUSING Residence	C308	HOUSING Rental Townhouse Unit(s)
C113	HOUSING Residence Multiple	C309	HOUSING Efficiency/Efficiencies

OR

- Building style code (STRUSTYL) is: CND for HOUSING Condominium(s)

OR

- Land use code (LU) is one of the following:

A	agricultural	RC	residential commercial
CR	commercial residential	TH	town house
R	residential	U	residential condominium

AND

- New full market improvement value (NFMIMPVL) is less than \$10,000.

MdProperty View/FINDER Quantum/FINDER Online dataset records flagged T for RESIUTHS are associated with one of three RESITYPE field values, unless they are T (True) for a subsequent flag field:

TH	generally assigned to a Parcel dataset record that contains a non-condominium townhouse or a single condominium that can be identified as a townhouse, such as a single townhouse in a condominium development where street addresses are 101 MAIN STREET, 102 MAIN STREET, 103 MAIN STREET or 123 MAIN STREET UNIT 1, 123 MAIN STREET UNIT 2, 123 MAIN STREET UNIT 3
CN	generally assigned to a Parcel dataset record that contains a single condominium where that condominium (1) is a single street address, for example, 10000 OCEAN HWY, that contains multiple condominium units; or (2) a single condominium in a condominium development where all street addresses are 123 MAIN STREET, even though each condominium unit has its own dataset record
SF	generally assigned to a Parcel dataset record that contains a single-family residence, or a single condominium that cannot be identified as a townhouse, where that condominium has a unique street address, for example, a single condominium in a condominium development where street addresses are 101 MAIN STREET, 102 MAIN STREET, 103 MAIN STREET or 123 MAIN STREET UNIT 1, 123 MAIN STREET UNIT 2, 123 MAIN STREET UNIT 3

Indicates whether a dataset record is flagged T for APRTMENT based on the following criteria:

- Building type code (STRUBLDG) is one of the following:

0013	DWLL Rental Dwelling	C101	HOUSING Apartment(s)
		C307	HOUSING Residential Apartment Unit(s)

OR

- Commercial and industrial property use code (CIUSE) is one of the following:

01000	HOUSING Apartment	01842	HOUSING Subsidized Housing Section 42 with Low Income Tax Credit
01400	HOUSING Apartment Senior Unit		
01500	HOUSING Apartment Garden		
01550	HOUSING Apartment High Rise	30600	STORE Retail with Apartment Upstairs
01600	HOUSING Apartment Townhouse		
01650	HOUSING Apartment Mixed	40600	OFFICE Building with Apartment Upstairs
01800	HOUSING Apartment Subsidized		

OR

- Land use code (LU) is: M for apartment

OR

- Property factor influence, commercial/industrial (PFIC) is: A for apartment

AND

- New full market improvement value (NFMIMPVL) is equal to or greater than \$10,000.

MdProperty View/FINDER Quantum/FINDER Online dataset records flagged T for APRTMENT are associated with this RESITYPE field value, unless they are T (True) for a subsequent flag field:

AP generally assigned to a Parcel dataset record that contains an apartment

Indicates whether a dataset record is flagged T for TRAILER based on the following criteria:

- Building type code (STRUBLDG) is: 0006 for DWLL Mobile Home

OR

- Building style code (STRUSTYL) is: MH1 for HOUSING Mobile Home(s)

OR

- Commercial and industrial property use code (CIUSE) is: 03500 for HOUSING Trailer Park

OR

- Property factor influence, commercial/industrial (PFIC) is: T for mobile home park

MdProperty View/FINDER Quantum/FINDER Online dataset records flagged T for TRAILER are associated with this RESITYPE field value, unless they are T (True) for a subsequent flag field:

TR generally assigned to a Parcel dataset record that contains a mobile home, trailer, mobile home park or trailer park

Indicates whether a property is T for may house special populations, based on the following criteria:

- Building type code (STRUBLDG) is one of the following:

0012	DWEL Boat Slip	C304	BOAT Marina Condominium Slip
C110	CARE Group Home	C103	SCHOOL Building Dormitory
C105	CARE Home for the Elderly	C176	SCHOOL Building Fraternity House
C143	CARE Hospital Convalescent	C145	SAFETY Jail
C111	COMMUNITY Rectory		

OR

- Commercial and industrial property use code (CIUSE) is one of the following:

44000	CARE Nursing Home	60020	REC Camp Ground
44050	CARE Nursing Home Converted Building	65500	BOAT Marina
44100	CARE Life Care Facility	65710	BOAT Marina Condo
44200	CARE Ambulatory Assisted Living Facility	80020	SAFETY Jail or Correctional Facility
80040	COMMUNITY Fraternity		

OR

- Exempt class code (EXCLASS) is one of the following:

130	PUB Military Installation	public/USA Federal
280	STA Detention Center	State
470	JUR Detention Center	county/Baltimore City
760	PVT Other such as Salvation Army or Mission	private
780	PVT Church Aged/Rehabilitation Home	private
840	NPF Non-Profit Housing for the Elderly	non-profit or charitable organization
880	NPF YMCA Camp/YWCA Camp	non-profit or charitable organization
970	NPF Goodwill/Disabled Veterans Rehabilitation Center/Red Cross	non-profit or charitable organization

OR

- Property factor influence, commercial/industrial (PFIC) is one of the following:

M	marina	N	nursing home
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MdProperty View/FINDER Quantum/FINDER Online dataset records flagged T for SPECIAL are not associated with a RESITYPE field value.

✓ Parcel	OTHER	Logical Field	Width 1	<i>MdPV/FINDER</i>
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Indicates whether a property is T for falls outside of any of the categories described above.

✓ Parcel	✓ Sale	PTYPE	Numeric Field	Width 2	<i>MdPV/FINDER</i>
----------	--------	-------	---------------	---------	--------------------

Type of digitized parcel:

- 0 no x,y assigned for the parcel
- 2 located by MAP, GRID, PARCEL, SECTION, BLOCK and LOT on the property map

20 "stacked" non-condominium parcel

Non-condominium located parcels which were assigned the same x,y coordinate by the Property Mapping Section based on the MAP, GRID, PARCEL, SECTION, BLOCK and LOT data available for the parcels. "Stacked" non-condominium parcels may be found in any or all *MdProperty View* datasets.

21 "stacked" condominium parcel

Condominium located parcels which were assigned the same x,y coordinate by the Property Mapping Section based on the MAP, GRID, PARCEL, SECTION, BLOCK and LOT data available for the parcels. PTYPE 21 "stacked" condominium parcels may be found in any or all *MdProperty View/FINDER Quantum/FINDER Online* datasets.

39 geocoded and relocated properties (Baltimore County)

Baltimore County parcels geocoded using external sources, including parcel maps and U.S. Census Bureau TIGER/Line files.

51 condominium parcel

Condominium located parcels that have unique x,y coordinates located within the building footprint as shown on aerial imagery or on planimetric building outlines. This PTYPE is used to create a one point per polygon relationship for condominiums parcels – in contrast to PTYPE 2 parcels, the x,y coordinates of PTYPE 51 parcels may not be located within the boundary of the corresponding condominium unit. PTYPE 51 condominium parcels may be found in any or all *MdProperty View/FINDER Quantum/FINDER Online* datasets.

52 temporarily located parcel, polygon jurisdictions

A point located in its best known approximate position pending further research. In order to establish a one-point-per-polygon relationship, a triangular placeholder polygon has been created for these accounts.

60 temporarily located parcel, located with PSAP

A point located in its best known approximate position pending further research, the majority of these parcel accounts being one of multiple accounts associated with a particular subdivision which can be located via the jurisdiction (county or Baltimore City) Public Safety Address Points (PSAP) dataset. For counties, Planning anticipates that PTYPE 60 points will become located points with exact map locations once plat information for the parcels becomes available or is processed by Planning during the next cycle of updates to the county tax maps.

✓ Parcel ✓ Sale SDATWEBADR Character Width 140 *MdPV/FINDER*

Contains the State Department of Assessments and Taxation Real Property Data Search web page address for the property. Copying and pasting the contents of this field into an Internet browser and hitting the return key will take you to the Real Property web page for the property.

✓ Parcel ✓ Sale EXISTING Character Field Width 11 *MdPV/FINDER*

The current Edition year of a given Parcel or Sale dataset record, MDPV2013/14 for the current Edition year. The Edition year indicates the most current year built (YEARBLT) for which a complete and comprehensive set of parcels for every jurisdiction can be assembled statewide. Using the 2012 Edition as the example, the Edition year began in July of 2013 when Caroline County was released and ended in November of 2014 with the release of Garrett County.

Jurisdictions released during calendar year 2013 might not contain a complete set of year built 2013 parcels until May of 2014 or later, because it typically takes until May of the following year for all calendar year Sale parcels to be included in the monthly State Department of Assessments and Taxation data downloads. For this same reason, jurisdictions released even as late as November of 2014, the final release date of the 2012 Edition, most likely would not contain a complete set of calendar year 2014 parcels because they too may take as long as May of 2015 to appear in the monthly Assessments data downloads.

Therefore for the 2012 Edition, the only complete set of year built parcels that can be reliably extracted from the 2012 databases would be year built 2012 parcels. For the 2013/14 Edition, the only complete sets of year built parcels that can be reliably extracted from the 2013/14 databases would be year built 2013 parcels and year built 2014 parcels.

✓ Parcel ✓ Sale SEQNUMB Numeric Field Width 6 *MdPV/FINDER*

Contains the Parcel or Sale dataset record number for each property.

The Parcel dataset is sorted in street address order. Properties lacking a valid street address, which are properties with no data in ADDRESS, fall to the end of the dataset in account number (ACCTID) order. Record numbers are loaded into SEQNUMB so that they appear sequentially in street address order followed by account number order. When working with the special jurisdiction-wide extracts of the Parcel dataset, sorting on SEQNUMB puts properties in street address order for those properties with data in ADDRESS. All other properties fall to the end of the extract datasets in account number (ACCTID) order.

The Sale dataset is sorted in account number (ACCTID) plus transaction date (TRADATE) plus transaction number (TRANSNO1) order.



Appendix D: CAMA Dataset Structures

In previous Editions of *MdProperty View/FINDER Quantum/FINDER Online*, as now, the Computer Assisted Mass Appraisal (CAMA) dataset was typically created on a yearly basis using data obtained from the State Department of Assessments and Taxation. Each January download contained additional residential housing characteristics only as available for parcels included in the various Assessments CAMA datasets for each jurisdiction – data from the Assessments CAMA datasets were combined into a single summarized dataset for inclusion in Planning’s then DVD, now downloadable and online products.

Due to Assessment’s combining of their residential and commercial CAMA datasets into a single dataset in their Integrated Property Tax Software System in 2011, Planning has changed the way that CAMA data are included in our downloadable and online products. New to *MdProperty View/FINDER Quantum/FINDER Online* this year is the release of Computer Assisted Mass Appraisal (CAMA) data from Assessment’s January 2014 release of CAMA data.

The CAMA datasets have been significantly restructured and redeveloped as a result of Assessment’s own combining and restructuring of their residential and commercial CAMA data. Users of Planning’s downloadable and online data can now access new, never before available commercial CAMA data characteristics as well as new, previously unavailable residential CAMA data characteristics. The CAMA datasets included in the current Edition of *MdProperty View/FINDER Quantum/FINDER Online* (example Talbot County) are:

Talbcama.shp Main characteristics, including summary building characteristics, associated with a given parcel account number – one record per parcel account number

Only available in *MdProperty View* and *FINDER Quantum*:

Talbldg.shp Detailed building characteristics associated with a given building – one or more building records per parcel account number

Talbsuba.shp Building subarea characteristics associated with a given building – one or more building subarea records per building

Talbland.shp Land categories associated with a given parcel – one or more records per parcel account number

Note that all CAMA parcel records are assigned x,y coordinates (located) based on their parcel point location and not on individual structures. CAMA data releases in 2016 for *MdProperty View/FINDER Quantum/FINDER Online* 2015/16 Edition will include an update of all CAMA datasets listed above.

CAMA Dataset Locations

For *MdProperty View* and *FINDER Quantum*, all CAMA datasets reside in the Camadata folder included in each county or Baltimore City product download. Only Talbcama.shp, Talbbldg.shp and Talbland.shp are included in Planning's *MdProperty View* ArcGIS custom map document file (mxd) and *FINDER Quantum* QGIS custom project file (qgs).

Talbsuba.shp, the building subareas dataset, is present in the Camadata folder but it is not included in Planning's ArcGIS custom map document file (mxd) or Planning's QGIS custom project file (qgs).



For *FINDER Online*, once the online product is updated in the spring of 2016, only Talbcama.shp, will be included as CAMA Points map layers and updated as each jurisdiction updates throughout the Edition year. For *FINDER Online*, the descriptions of the data characteristics included in each CAMA dataset are the same as for these other two products.

Fields are described below in the order in which they appear in the individual CAMA datasets. Dataset fields are listed as Optional (populated by Assessors), Required (populated by Assessors) or Automatic (computer generated) for State Department of Assessments and Taxation purposes. Dataset fields listed as *MdPV/FINDER* were created by the Maryland Department of Planning exclusively for Planning's downloadable and online products.



Structure of the Main Dataset: Talbcama.shp

Talbcama.shp contains the CAMA Main data characteristics, including summary building characteristics, associated with a given parcel account number. All CAMA Main dataset records contain a unique populated ACCTID field – parcel account number. **Talbcama.shp is the only CAMA dataset that contains one record per parcel account number.**

These *MdProperty View/FINDER* Quantum datasets can be linked/related to records in the CAMA Main dataset – Talbcama.shp:

Talb2013.shp	Parcel dataset Link/relate on ACCTID field	Parcel to CAMA Main One to One relationship
Talb0116.shp	Sale dataset example January of 2016 Link/relate on ACCTID field	CAMA Main to Sale One to Many relationship
Talbbldg.shp	CAMA Building dataset Link/relate on ACCTID field	CAMA Main to CAMA Building One to Many relationship
Talbsuba.shp	CAMA Building Subareas dataset Link/relate on ACCTID field	CAMA Main to CAMA Subareas One to Many relationship
Talbland.shp	CAMA Land dataset Link/relate on ACCTID field	CAMA Main to CAMA Land One to Many relationship

JURSCODE	Character Field	Width 4	MdPV/FINDER
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Four-letter county or Baltimore City code:

ALLE	CALV	CHAR	HARF	PRIN	TALB
ANNE	CARO	DORC	HOWA	QUEE	WASH
BACI	CARR	FRED	KENT	STMA	WICO
BACO	CECI	GARR	MONT	SOME	WORC

ACCTID	Character Field	Width 16	Required
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Parcel account number, a unique identifier for each account within any jurisdiction.

- For Anne Arundel County: positions 1-2 are the jurisdiction (county) code, positions 3-4 are the tax district, positions 5-7 are the subdivision, positions 8-15 are the parcel account number and the remaining position is blank.
- For Baltimore City: positions 1-2 are the jurisdiction (city) code, positions 3-4 are the ward, positions 5-6 are the section, positions 7-10 or 7-11 are the block (position 11 may be blank for some parcels), positions 12-14 or 12-15 are the lot (position 15 may be blank for some parcels) and the remaining position is blank.
- For all other counties: positions 1-2 are the jurisdiction (county) code, positions 3-4 are the tax/election district and the remaining positions up to 12 positions are the parcel account number.

Jurisdiction codes are:

01	Allegany	07	Carroll	13	Harford	19	St. Mary's
02	Anne Arundel	08	Cecil	14	Howard	20	Somerset
03	Baltimore City	09	Charles	15	Kent	21	Talbot
04	Baltimore County	10	Dorchester	16	Montgomery	22	Washington
05	Calvert	11	Frederick	17	Prince George's	23	Wicomico
06	Caroline	12	Garrett	18	Queen Anne's	24	Worcester

DIGXCORD	Numeric Field	Width 9	Decimal Places 1	<i>MdPV/FINDER</i>
DIGYCORD	Numeric Field	Width 9	Decimal Places 1	<i>MdPV/FINDER</i>

Parcel x and y coordinates for all jurisdictions are in the NAD83 meters version of the Maryland State Plane Coordinate System. If the value of the parcel x or y coordinate is zero, there is no linkage between a tax map and *MdProperty View/FINDER Quantum/FINDER Online* datasets for the record.

CT2010	Character Field	Width 12	<i>MdPV/FINDER</i>
BG2010	Character Field	Width 13	<i>MdPV/FINDER</i>

Census 2010 census tract and block group: position 1-2 are the State code (024), positions 3-5 are the jurisdiction FIPS code, positions 6-11 are the census tract and position 12 of BG2010 is the census block group.

CM_NBRHOOD	Character Field	Width 15	Optional
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Neighborhood code. The number after the decimal point is the two-digit jurisdiction (county or Baltimore City) code that is the same as the first two digits of the parcel account number (ACCTID).

CM_BLDTOTL	Numeric Field	Width 10	Required
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Total number of buildings on the property.

CM_BLDUNTS	Numeric Field	Width 10	Optional
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Total number of building units on the property.

CM_FAMUNTS	Numeric Field	Width 10	Optional
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Total number of family units on the property.

CM_BLDROOM	Numeric Field	Width 10	Optional
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Total number of rooms on the property.

CM_CIUSE	Character Field	Width 5		Optional
CM_DSCIUSE	Character Field	Width 60		MdPV/FINDER

Commercial and industrial property use code (must be numeric), used to identify the specific uses of improved commercial/industrial properties. The code is also used to identify properties owned by public utilities and railroads (both vacant and improved) and to indicate their status as to operating or non-operating.

Keywords are included in the descriptions contained in the CM_DSCIUSE field to make it easier to select groups of records by subject area. Keywords appear in the field at the beginning of each description. New codes and code descriptions have been added for the current Edition.

See [Appendix E: Commercial and Industrial Use Codes and Descriptions](#) for a detailed list of codes, code descriptions and keywords included in *MdProperty View/FINDER Quantum/FINDER Online*.

PR_ENCSQFT	Numeric Field	Width 15	Decimal Places 2	Optional
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Cumulative total enclosed square feet of all buildings on a given property, including both finished and unfinished areas, multiplied by the story height of each section of each building. **Cumulative total enclosed square feet of all buildings on a given property may not include the attic or basement finished areas.**

PR_ENCOVRD	Numeric Field	Width 10	Decimal Places 2	Optional
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Override value entered by the assessor for cumulative total enclosed square feet of all buildings on a given property, including both finished and unfinished areas, multiplied by the story height of each section of each building. Only populated where the number entered by the assessor is greater than or less than the value entered in PR_ENCSQFT above. **Cumulative total enclosed square feet of all buildings on a given property may not include the attic or basement finished areas.**

CAMADATE	Character Field	Width 7		MdPV/FINDER
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The date of the Computer Assisted Mass Appraisal (CAMA) datasets included in current Edition of *MdProperty View/FINDER Quantum/FINDER Online*. CAMA data are released once a year in January – for the initial county and Baltimore City current Edition jurisdiction released, the CAMA date is 2014JAN. The CAMA release date will be updated to 2016JAN when the current CAMA datasets are refreshed and new CAMA datasets are released later in 2016.



Structure of the CAMA Building Dataset: Talbbldg.shp

Talbbldg.shp contains the CAMA Building data characteristics associated with a given building on a given parcel. All CAMA Building dataset records contain a non-unique populated ACCTID field – parcel account number. All CAMA Building dataset records also contain a populated CAMALINK field – a unique combination of parcel account number and building number.

These *MdProperty View/FINDER* Quantum datasets can be linked/related to records in the CAMA Building dataset – Talbbldg.shp:

Talb2013.shp	Parcel dataset Link/relate on ACCTID field	Parcel to CAMA Building One to Many relationship
Talbcama.shp	CAMA Main dataset Link/relate on ACCTID field	CAMA Main to CAMA Building One to Many relationship
Talbsuba.shp	CAMA Subareas dataset Link/relate on CAMALINK field	CAMA Building to CAMA Subareas One to Many relationship

These *MdProperty View/FINDER* Quantum datasets should not be linked/related to the CAMA Building dataset – Talbbldg.shp:

Talb0116.shp	Sale dataset, example January of 2016	CAMA Building # Sale Many to Many relationship
TalbLand.shp	CAMA Land dataset	CAMA Building # CAMA Land Many to Many relationship



The CAMA Building Dataset is not included in *FINDER* Online.

JURSCODE	Character Field	Width 4	<i>MdPV/FINDER</i>		
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Four-letter county or Baltimore City code:

ALLE	CALV	CHAR	HARF	PRIN	TALB
ANNE	CARO	DORC	HOWA	QUEE	WASH
BACI	CARR	FRED	KENT	STMA	WICO
BACO	CECI	GARR	MONT	SOME	WORC

ACCTID	Character Field	Width 16	Required
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Parcel account number, a unique identifier for each account within any jurisdiction.

- For Anne Arundel County: positions 1-2 are the jurisdiction (county) code, positions 3-4 are the tax district, positions 5-7 are the subdivision, positions 8-15 are the parcel account number and the remaining position is blank.
- For Baltimore City: positions 1-2 are the jurisdiction (city) code, positions 3-4 are the ward, positions 5-6 are the section, positions 7-10 or 7-11 are the block (position 11 may be blank for some parcels), positions 12-14 or 12-15 are the lot (position 15 may be blank for some parcels) and the remaining position is blank.

- For all other counties: positions 1-2 are the jurisdiction (county) code, positions 3-4 are the tax/election district and the remaining positions up to 12 positions are the parcel account number.

Jurisdiction codes are:

01 Allegany	07 Carroll	13 Harford	19 St. Mary's
02 Anne Arundel	08 Cecil	14 Howard	20 Somerset
03 Baltimore City	09 Charles	15 Kent	21 Talbot
04 Baltimore County	10 Dorchester	16 Montgomery	22 Washington
05 Calvert	11 Frederick	17 Prince George's	23 Wicomico
06 Caroline	12 Garrett	18 Queen Anne's	24 Worcester

CAMALINK	Character Field	Width 25	<i>MdPV/FINDER</i>
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Linking field used to join the CAMA Building dataset to other CAMA datasets that contain additional building detail data. Data contained in the CAMALINK field are a combination of parcel account number (ACCTID field) and the CAMA Building dataset building number (BL_BLDNUMB field).

DIGXCORD	Numeric Field	Width 9	Decimal Places 1	<i>MdPV/FINDER</i>
DIGYCORD	Numeric Field	Width 9	Decimal Places 1	<i>MdPV/FINDER</i>

Parcel x and y coordinates for all jurisdictions are in the NAD83 meters version of the Maryland State Plane Coordinate System. If the value of the parcel x or y coordinate is zero, there is no linkage between a tax map and *MdProperty View/FINDER Quantum/FINDER Online* datasets for the record.

BL_BLDNUMB	Character Field	Width 5	Required
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Individual residential or commercial building number out of a total number of buildings on a given property (for example, dwelling 0002 out of 6 total dwellings on a particular property). Residential building numbers begin with an R and commercial building numbers begin with a C.

BL_BLDTYPE	Character Field	Width 4	Optional
BL_DSCTYPE	Character Field	Width 45	<i>MdPV/FINDER</i>
BL_BLDSTYL	Character Field	Width 4	Optional
BL_DSCSTYL	Character Field	Width 45	<i>MdPV/FINDER</i>
BL_BLDGRAD	Character Field	Width 2	Optional
BL_DSCGRAD	Character Field	Width 20	<i>MdPV/FINDER</i>

Where there is a CAMA Building record for the structure:

- Building type code (CM_BLDTYPE) and description (CM_DSCTYPE)
Commercial codes begin with the letter C
- Building style/number of stories code (CM_BLDSTYL) and description (CM_DSCSTYL)
Commercial codes begin with the letter C
- Quality of construction/grade code (CM_BLDGRAD) and description (CM_DSCGRAD)

Keywords are included in the descriptions contained in the CM_DSCGRAD, CM_DSCSTYL and CM_DSCTYPE fields to make it easier to select groups of records by subject area. Keywords appear in the field at the beginning of each description.

See Appendix J: Parcel, Sale and CAMA Property and Building Codes and Descriptions for a detailed list of property and building codes, code descriptions and keywords included in *MdProperty View/FINDER Quantum/FINDER Online*.

BL_COMCLSS	Character Field	Width 3	Optional
BL_DSCCLSS	Character Field	Width 145	<i>MdPV/FINDER</i>

For commercial buildings only, commercial class code (CM_COMCLSS) and description (CM_DSCCLSS):

- 1 COMM CLASS Highest Quality Commercial Building – usually reserved for high-rise buildings with the best quality steel beams with fireproofing
- 2 COMM CLASS Lower Quality Commercial Building – typically a high-rise building but with a lower quality steel beam construction
- 3 COMM CLASS Commercial Masonry Building – usually with concrete block construction
- 4 COMM CLASS Commercial Building Wood Frame Construction
- 5 COMM CLASS Commercial Building Steel Frame Construction

BL_YEARBLT	Character Field	Width 4	Optional
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Year in which the building was constructed. May be blank.

BL_ENCLSQFT	Numeric Field	Width 10	Optional
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Cumulative total enclosed square feet of a given building on a given property, including both finished and unfinished areas, multiplied by the story height of each section of the building. **Cumulative total enclosed square feet of a given building on a given property may not include the attic or basement finished areas.**

CAMADATE	Character Field	Width 7	<i>MdPV/FINDER</i>
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The date of the Computer Assisted Mass Appraisal (CAMA) datasets included in current Edition of *MdProperty View/FINDER Quantum/FINDER Online*. CAMA data are released once a year in January – for the initial county and Baltimore City current Edition jurisdiction released, the CAMA date is 2014JAN. The CAMA release date will be updated to 2016JAN when the current CAMA datasets are refreshed and new CAMA datasets are released later in 2016.



Structure of the CAMA Subareas Dataset: Talbsuba.shp

Talbsuba.shp contains the CAMA Subareas data characteristics associated with a given building on a given parcel. All CAMA Subareas dataset records contain a populated ACCTID field – parcel account number. All CAMA Subareas dataset records also contain a populated CAMALINK field – a non-unique combination of parcel account number and building number.

The CAMA Subareas Dataset is not included in the Planning’s *MdProperty View* ArcGIS custom map document file (mxd) or the *FINDER* Quantum QGIS custom project file (qgs). If you want to add Talbsuba.shp to the map view area for either product, you can load it from the \Camadata folder included in your product download.

These *MdProperty View*/*FINDER* Quantum datasets can be linked/related to records in the CAMA Subareas dataset – Talbsuba.shp:

Talb2013.shp	Parcel dataset Link/relate on ACCTID field	Parcel to CAMA Subareas One to Many relationship
Talbcama.shp	CAMA Main dataset Link/relate on ACCTID field	CAMA Main to CAMA Subareas One to Many relationship
Talbbldg.shp	CAMA Building dataset Link/relate on CAMALINK field	CAMA Building to CAMA Subareas One to Many relationship

These *MdProperty View*/*FINDER* Quantum datasets should not be linked/related to the CAMA Subareas dataset – Talbsuba.shp:

Talb0116.shp	Sale dataset, example January of 2016	Sale # CAMA Subareas Many to Many relationship
Talbland.shp	CAMA Land dataset	CAMA Land # CAMA Subareas Many to Many relationship



The CAMA Subareas Dataset is not included in *FINDER* Online.

JURSCODE	Character Field	Width 4	<i>MdPV/FINDER</i>
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Four-letter county or Baltimore City code:

ALLE	CALV	CHAR	HARF	PRIN	TALB
ANNE	CARO	DORC	HOWA	QUEE	WASH
BACI	CARR	FRED	KENT	STMA	WICO
BACO	CECI	GARR	MONT	SOME	WORC

ACCTID	Character Field	Width 16	Required
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Parcel account number, a unique identifier for each account within any jurisdiction.

- For Anne Arundel County: positions 1-2 are the jurisdiction (county) code, positions 3-4 are the tax district, positions 5-7 are the subdivision, positions 8-15 are the parcel account number and the remaining position is blank.

- For Baltimore City: positions 1-2 are the jurisdiction (city) code, positions 3-4 are the ward, positions 5-6 are the section, positions 7-10 or 7-11 are the block (position 11 may be blank for some parcels), positions 12-14 or 12-15 are the lot (position 15 may be blank for some parcels) and the remaining position is blank.
- For all other counties: positions 1-2 are the jurisdiction (county) code, positions 3-4 are the tax/election district and the remaining positions up to 12 positions are the parcel account number.

Jurisdiction codes are:

01	Allegany	07	Carroll	13	Harford	19	St. Mary's
02	Anne Arundel	08	Cecil	14	Howard	20	Somerset
03	Baltimore City	09	Charles	15	Kent	21	Talbot
04	Baltimore County	10	Dorchester	16	Montgomery	22	Washington
05	Calvert	11	Frederick	17	Prince George's	23	Wicomico
06	Caroline	12	Garrett	18	Queen Anne's	24	Worcester

CAMALINK	Character Field	Width 25		<i>MdPV/FINDER</i>
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Linking field used to join the CAMA Building dataset to other CAMA datasets that contain additional building detail data. Data contained in the CAMALINK field are a combination of parcel account number (ACCTID field) and the CAMA Building dataset building number (BL_BLDNUMB field).

DIGXCORD	Numeric Field	Width 9	Decimal Places 1	<i>MdPV/FINDER</i>
DIGYCORD	Numeric Field	Width 9	Decimal Places 1	<i>MdPV/FINDER</i>

Parcel x and y coordinates for all jurisdictions are in the NAD83 meters version of the Maryland State Plane Coordinate System. If the value of the parcel x or y coordinate is zero, there is no linkage between a tax map and *MdProperty View/FINDER Quantum/FINDER Online* datasets for the record.

SA_BLDNUMB	Character Field	Width 5		Required
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Individual residential or commercial building number out of a total number of buildings on a given property (for example, dwelling 0002 out of 6 total dwellings on a particular property). Residential building numbers begin with an R and commercial building numbers begin with a C.

SA_ITMNUMB	Character Field	Width 2		Required
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A line-item number that lists the individual subareas within a given building – this field is included in the CAMA Subareas Dataset to make it easier for users to see where the subareas for a given building begin and end.

SA_NAMSUBA	Character Field	Width 3		Optional
SA_DSCSUBA	Character Field	Width 60		<i>MdPV/FINDER</i>

Where there is a CAMA Subareas record for a building, building subarea code (SA_NAMSUBA) and description (SA_DSCSUBA)

Keywords are included in the descriptions contained in the SA_DSCSUBA field to make it easier to select groups of records by subject area. Keywords appear in the field at the beginning of each description.

See Appendix J: Parcel, Sale and CAMA Property and Building Codes and Descriptions for a detailed list of building subarea codes, code descriptions and keywords included in *MdProperty View/FINDER Quantum/FINDER Online*.

SA_FNDSQFT	Numeric Field	Width 10	Optional
SA_ENCLSQFT	Numeric Field	Width 10	Optional

Foundation square feet of the building subarea (SA_FNDSQFT) and total square feet of the building subarea, including both finished and unfinished areas multiplied by the story height of each section of the subarea (SA_ENCLSQFT). **Cumulative total square feet of the building subarea may not include the attic or basement finished areas.**

SA_PRMLNFT	Numeric Field	Width 10	Optional
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Perimeter linear feet of the building subarea.

CAMADATE	Character Field	Width 7	<i>MdPV/FINDER</i>
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The date of the Computer Assisted Mass Appraisal (CAMA) datasets included in current Edition of *MdProperty View/FINDER Quantum/FINDER Online*. CAMA data are released once a year in January – for the initial county and Baltimore City current Edition jurisdiction released, the CAMA date is 2014JAN. The CAMA release date will be updated to 2016JAN when the current CAMA datasets are refreshed and new CAMA datasets are released later in 2016.



Structure of the CAMA Land Dataset: Talbland.shp

Talbland.shp contains the CAMA Land data characteristics associated with a given parcel. All CAMA Subareas dataset records contain a non-unique populated ACCTID field – parcel account number.

These *MdProperty View/FINDER* Quantum datasets can be linked/related to records in the CAMA Land dataset – Talbland.shp:

Talb2013.shp	Parcel dataset Link/relate on ACCTID field	Parcel to CAMA Land One to Many relationship
Talbcama.shp	CAMA Main dataset Link/relate on ACCTID field	CAMA Main to CAMA Land One to Many relationship

These *MdProperty View/FINDER* Quantum datasets should not be linked/related to the CAMA Land dataset – Talbland.shp:

Talb0116.shp	Sale dataset, example January of 2016	Sale # CAMA Land Many to Many relationship
Talbbldg.shp	CAMA Building dataset	CAMA Building # CAMA Land Many to Many relationship
Talbsuba.shp	CAMA Subareas dataset	CAMA Subareas # CAMA Land Many to Many relationship



The CAMA Land Dataset is not included in *FINDER* Online.

When using the CAMA Land Dataset, it's important to remember that the land data is different than the land data contained in most *MdProperty View/FINDER* Quantum/*FINDER* Online datasets. While land size (LD_LNDSIZE) does contain acres or square feet for most parcels, and acres (LD_LNDACRE) does contain acres and acres converted to square feet where land size contain acres or square feet data, land size also contains unit-based data such as site counts or condominium unit counts. For that reason, you cannot expect acres field data in the CAMA Land Dataset to match acres field data found in other product datasets.

Note also that the CAMA Land Dataset is a summarized dataset – land types have been summarized for each range of individual codes available for a given land type by parcel account number and land unit of measure (LD_LNDLUOM). For example, a given parcel might have three individual Primary Residential Land records associated with the parcel account number, where the land type code range runs from 1101 through and including 1132.

If all of these parcel records are expressed in acres (LD_LNDLUOM) the three records would be summarized to a single record with a land type (LD_NAMLAND) of **1101_1132**, a land type description (LD_DSCNAME) of **LD RESI Primary Residential Land** and a single land size in acres with a land unit of measure of **AC**. However, if one of these parcel records is expressed as a site (LD_LNDLUOM), the three parcel records would be summarized to two records, both with a land type (LD_NAMLAND) of **1101_1132** and a land type description (LD_DSCNAME) of **LD RESI Primary Residential Land** but with a two different land sizes, one in acres with a land unit of measure of **AC** and one as a site count with a land unit of measure of **ST**.

JURSCODE	Character Field	Width 4	MdPV/FINDER
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Four-letter county or Baltimore City code:

ALLE	CALV	CHAR	HARF	PRIN	TALB
ANNE	CARO	DORC	HOWA	QUEE	WASH
BACI	CARR	FRED	KENT	STMA	WICO
BACO	CECI	GARR	MONT	SOME	WORC

ACCTID	Character Field	Width 16	Required
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Parcel account number, a unique identifier for each account within any jurisdiction.

- For Anne Arundel County: positions 1-2 are the jurisdiction (county) code, positions 3-4 are the tax district, positions 5-7 are the subdivision, positions 8-15 are the parcel account number and the remaining position is blank.
- J For Baltimore City: positions 1-2 are the jurisdiction (city) code, positions 3-4 are the ward, positions 5-6 are the section, positions 7-10 or 7-11 are the block (position 11 may be blank for some parcels), positions 12-14 or 12-15 are the lot (position 15 may be blank for some parcels) and the remaining position is blank.
- For all other counties: positions 1-2 are the jurisdiction (county) code, positions 3-4 are the tax/election district and the remaining positions up to 12 positions are the parcel account number.

Jurisdiction codes are:

01	Allegany	07	Carroll	13	Harford	19	St. Mary's
02	Anne Arundel	08	Cecil	14	Howard	20	Somerset
03	Baltimore City	09	Charles	15	Kent	21	Talbot
04	Baltimore County	10	Dorchester	16	Montgomery	22	Washington
05	Calvert	11	Frederick	17	Prince George's	23	Wicomico
06	Caroline	12	Garrett	18	Queen Anne's	24	Worcester

DIGXCORD	Numeric Field	Width 9	Decimal Places 1	MdPV/FINDER
DIGYCORD	Numeric Field	Width 9	Decimal Places 1	MdPV/FINDER

Parcel x and y coordinates for all jurisdictions are in the NAD83 meters version of the Maryland State Plane Coordinate System. If the value of the parcel x or y coordinate is zero, there is no linkage between a tax map and *MdProperty View/FINDER Quantum/FINDER Online* datasets for the record.

LD_ITMNUMB	Character Field	Width 2	Required
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A line-item number that lists the individual land types associated with a given parcel – this field is included in the CAMA Land Dataset to make it easier for users to see where the land types for a given parcel begin and end.

LD_NAMLAND	Character Field	Width 15	Optional
LD_DSCLAND	Character Field	Width 65	MdPV/FINDER

Where there is a CAMA Land record for a parcel, land type code (LD_NAMLAND) and description (LD_DSCLAND). Keywords are included in the descriptions contained in the LD_DSCLAND field to make it easier to select groups of records by subject area. Keywords appear in the field at the beginning of each description.

See Appendix J: Parcel, Sale and CAMA Property and Building Codes and Descriptions for a detailed list of land type codes, code descriptions and keywords included in *MdProperty View/FINDER Quantum/FINDER Online*.

LD_LNDACRE	Numeric Field	Width 17	Decimal Places 4	MdPV/FINDER
LD_LNDSIZE	Numeric Field	Width 17	Decimal Places 4	Optional
LD_LNDLUOM	Character Field	Width 2		Optional

- LD_LNDACRE: land acres, populated or converted to acres from land size (LD_LNDSIZE) **only for parcel records where the land unit of measure (LD_LNDLUOM) is equal to AC or SQ**
- LD_LNDSIZE: land size, may be expressed as acres, square feet, a site count, a unit count or otherwise for a given parcel record depending on the contents of land unit of measure (LD_LNDLUOM)
- LD_LNDLUOM: land unit of measure, must be filled in if there are data in land size (LD_LNDSIZE)

AC acres

SQ square feet

ST site – used for many types of properties where the land is valued as a flat dollar amount for the entire parcel – expressed as a site count

UT condominium unit – used for condominiums because a condominium unit doesn't really have a specific area of land associated with it – expressed as a condominium unit count

FA Floor Area Ratio – used for commercial properties where FAR, or Floor Area Ratio, is used as the method of valuation. The FAR method has to do with the ratio of building area to land area. For example, if the FAR of a commercial property is 5, it means that there is five times more building area than land area. This can be valued by Assessors at a certain dollar amount per FAR.

NA not applicable – generally used when a parcel record doesn't have an associated area or a count

CAMADATE	Character Field	Width 7	MdPV/FINDER
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The date of the Computer Assisted Mass Appraisal (CAMA) datasets included in current Edition of *MdProperty View/FINDER Quantum/FINDER Online*. CAMA data are released once a year in January – for the initial county and Baltimore City current Edition jurisdiction released, the CAMA date is 2014JAN. The CAMA release date will be updated to 2016JAN when the current CAMA datasets are refreshed and new CAMA datasets are released later in 2016.



Appendix E: Commercial and Industrial Property Use Codes and Descriptions

Commercial and Industrial Property Use Codes are used to identify the specific uses of improved commercial/industrial properties. They are also used to identify properties owned by public utilities and railroads (both vacant and improved) and indicate their status as to operating or non-operating.

The descriptions listed below are contained in the CIUSE and DESCUIUSE Parcel dataset fields and in the CM_CUIUSE and CM_DSCUIUSE Computer Assisted Mass Appraisal (CAMA) dataset fields included in *MdProperty View/FINDER Quantum/FINDER Online* datasets. Keywords are included in the descriptions to make it easier to select groups of records by subject area – they appear at the beginning of each description as shown below. Please note that the codes shown below are not listed in exact numeric order by code, because codes are grouped by subject area.

Codes and code descriptions are obtained from the State Department of Assessments and Taxation and are current as of late September 2014. In some instances, discontinued codes may appear in *MdProperty View* datasets. Descriptions for discontinued codes are provided in the datasets where available, but discontinued codes and descriptions do not appear in the following list. **New codes added for the current Edition year are shown in red.**

Miscellaneous Use Codes

Keyword: MISC

- 00010 MISC Residential Structure or Improvement on Commercial or Industrial Zoned Land
- 00020 MISC Residence on Commercial or Industrial Zoned Land that receives a Rezoned Real Property Valuation (See Assessments Procedure 019-120-010)
- 00030 MISC Agricultural LLC
- 00050 MISC Common Use Facility that receives No Assessment or a Zero Value (See Assessments Procedure 014-055-010)
- 00060 MISC Property that cannot be physically located or plotted on a map and that receives a Zero Value
- 00070 MISC Cooperative Corporation

Housing-Related

Keyword: HOUSING

- | | |
|---|---|
| 01000 HOUSING Apartment | 01600 HOUSING Apartment Townhouse |
| 01400 HOUSING Apartment Senior Unit | 01650 HOUSING Apartment Mixed |
| 01500 HOUSING Apartment Garden | 01800 HOUSING Apartment Subsidized |
| 01515 HOUSING Rural Development
Multi-Family Subsidized Property | 01842 HOUSING Subsidized Housing Section 42
with Low Income Tax Credit |
| 01550 HOUSING Apartment High Rise | 03500 HOUSING Trailer Park |

Travel-Related

Keyword: TRAVEL

- | | |
|----------------------------------|--------------------------------|
| 04000 TRAVEL Hotel | 05200 TRAVEL Bed and Breakfast |
| 04200 TRAVEL Hotel Extended Stay | 05600 TRAVEL Motel Old Style |
| 05000 TRAVEL Motel | |

Vehicle-Related

Keyword: AUTO

11000	AUTO Dealership	13000	AUTO Service Station
11400	AUTO Junkyard	13200	AUTO Truck Stop
11600	AUTO Dealership Used Car Lot	13600	AUTO Service Station with Convenience Store
11700	AUTO Dealership Recreational or Trailer	13700	AUTO Service Station Hi-Volume Gas Sales
11800	AUTO Dealership Commercial Vehicle	13800	AUTO Service Station Modern Style
11900	AUTO Dealership Motorcycle	15000	AUTO Car Wash
12000	AUTO Parking	17000	AUTO Service
12010	AUTO Parking Condominium Space Separately Deeded	17020	AUTO Service Storage Garage
12500	AUTO Parking Garage	17100	AUTO Service and Tire Sales
12600	AUTO Parking Lot	17200	AUTO Service and parts with a Dealership

Dining-Related

Keyword: RESTAURANT

23000	RESTAURANT	27000	RESTAURANT Bar/Tavern
23500	RESTAURANT Family Style	27100	RESTAURANT Bar/Tavern Converted Dwelling
23600	RESTAURANT Converted Dwelling	29000	RESTAURANT Banquet/Catering Facility
25000	RESTAURANT Fast Food		

Shopping-Related

Keyword: STORE

30000	STORE Retail	32000	STORE Discount
30010	STORE Retail Condo	33000	STORE Department
30500	STORE Retail Garden Center/Nursery	34000	STORE Liquor
30600	STORE Retail with Apartment Upstairs	35000	STORE Convenience Market
30650	STORE Retail with Office Upstairs	36000	STORE Food
30700	STORE Lumber Yard	37000	STORE Laundromat
30800	STORE Retail Converted Dwelling	39000	STORE Barber Shop/Hair Salon
31000	STORE Shopping Center		

Office-Related

Keyword: OFFICE

40000	OFFICE Building	41000	OFFICE Building Medical
40600	OFFICE Building with Apartment Upstairs	41710	OFFICE Building Medical Condo
40710	OFFICE Building Condo	41800	OFFICE Building Medical Converted Dwelling
40800	OFFICE Building Converted Dwelling	42000	OFFICE Building Veterinary

Care-Related

Keyword: CARE

43000	CARE Hospital	44200	CARE Ambulatory Assisted Living Facility
44000	CARE Nursing Home	44300	CARE Retirement Center
44050	CARE Nursing Home Converted Building	70000	CARE Day Care Center
44100	CARE Life Care Facility	70050	CARE Day Care Center Converted Dwelling

Bank-Related Keyword: BANK

48000	BANK Building	48500	BANK Branch
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Warehouse/Storage-Related Keyword: WAREHOUSE

50000	WAREHOUSE	52000	WAREHOUSE Loft/Research & Development/Flex
50710	WAREHOUSE Condo		
50720	WAREHOUSE Machinery/Equipment Shed	53000	WAREHOUSE Mini Storage
50800	WAREHOUSE Cold Storage	53100	WAREHOUSE Mini Warehouse Temperature Controlled
51000	WAREHOUSE Distribution		

Industry-Related Keyword: INDUSTRY

54000	INDUSTRY Truck Terminal	57000	INDUSTRY Cement Plant
55000	INDUSTRY Manufacturing	57500	INDUSTRY Cement Silo
56000	INDUSTRY Tank Farm	58000	INDUSTRY Non-Utility Electrical Generator

Recreation-Related Keyword: REC

60000	REC Recreational Property	60700	REC Health Club
60010	REC Amusement Park	60750	REC Miniature Golf/Driving Range/ Batting Cage
60020	REC Camp Ground	60800	REC Handball/Racquetball Court
60030	REC Fair Ground	60850	REC Tennis Court
60300	REC Golf Course Subject To Use Agreement	60900	REC Bowling Alley
60400	REC Country Club Subject To Use Agreement	60950	REC Roller/Ice Skating Rink
60500	REC Golf Course	61000	REC Social Club
60550	REC Country Club/Golf Course	62000	REC Track
60600	REC Swimming Pool	63000	REC Movie Theater
		80110	REC Museum

Boating-Related Keyword: BOAT

65100	BOAT Storage Yard	65710	BOAT Marina Condo
65500	BOAT Marina		

Burial-Related Keyword: BURIAL

71000	BURIAL Funeral Home	72000	BURIAL Cemetery
71050	BURIAL Funeral Home Converted Dwelling		

Transportation-Related Keyword: TRANSPORT

73000	TRANSPORT Airport	80070	TRANSPORT Bus Station
73500	TRANSPORT Plane Hangar	80080	TRANSPORT Mass Transit Station

Community-Related

Keyword: COMMUNITY

49000	COMMUNITY Post Office	80010	COMMUNITY School
80000	COMMUNITY Church/Rectory/Mosque/ Synagogue/Temple	80040	COMMUNITY Fraternity
		80050	COMMUNITY Library

Safety-Related

Keyword: SAFETY

80020	SAFETY Jail or Correctional Facility	80060	SAFETY Police Station
80030	SAFETY Fire Station	80090	SAFETY Armory

Communications-Related

Keyword: TELECOM

80130 TELECOM Communication Tower

For other TELECOM codes see the Utilities and Railroad Use Codes section below

Public Property

Keyword: PUBLIC

80200	PUBLIC Municipal Property	80400	PUBLIC State Property
80300	PUBLIC County Property	80500	PUBLIC Federal Property

Other

Keyword: OTHER

80120 OTHER Yard Item such as Perimeter Fence

Operating
PropertyNon-Operating
PropertyUtilities and Railroads Use Codes
Electric

Keyword: ELEC

08100	10100	ELEC A & N Electric
08101	10101	ELEC Baltimore Gas and Electric
08102	10102	ELEC Choptank Electric
08103	10103	ELEC PECO Energy
08104	10104	ELEC Delmarva Power & Light
08105	10105	ELEC Penn Electric Company
08106	10106	ELEC Potomac Edison
08107	10107	ELEC Potomac Electric
08108	10108	ELEC Somerset Electric
08109	10109	ELEC Southern Maryland Electric
08110	10110	ELEC Susquehanna Power
08111	10111	ELEC VA Electric Power Company

Operating Property	Non-Operating Property	Utilities and Railroads Use Codes Gas	Keyword: GAS
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08200	10200	GAS Chesapeake Utilities
08202	10202	GAS Columbia Gas Maryland
08203	10203	GAS Eastern Shore Gas
08205	10205	GAS Penn & Southern Gas
08206	10206	GAS South Penn Gas
08207	10207	GAS Washington Gas Light

Operating Property	Non-Operating Property	Utilities and Railroads Use Codes Pipeline	Keyword: PIPE
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08300	10300	PIPE CNG Transmission Corporation
08301	10301	PIPE Colonial Pipeline
08302	10302	PIPE Columbia Gasoline Transmission
08303	10303	PIPE Cove Point LNG
08304	10304	PIPE Eastern Shore Natural Gas
08305	10305	PIPE Texas Eastern
08306	10306	PIPE Transco Gas Pipe

Operating Property	Non-Operating Property	Utilities and Railroads Use Codes Railroad	Keyword: RAIL
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08400	10400	RAIL Old Baltimore-Annapolis Light Rail
08401	10401	RAIL Canton Rail
08402	10402	RAIL Chesapeake Railroad
08403	10403	RAIL Conrail
08404	10404	RAIL CSX Transportation
08405	10405	RAIL Eastern Shore Railroad
08406	10406	RAIL Maryland Midland Railroad
08407	10407	RAIL Maryland/Delaware Railroad
08408	10408	RAIL Norfolk & Southern
08409	10409	RAIL Patapsco & Back River
08410	10410	RAIL Snow Hill Shippers
08411	10411	RAIL Winchester & Western
08412	10412	RAIL National Railroad Passenger Corporation
08413	10413	RAIL Eighteen Thirty Group/George Creek Railroad

Operating Property	Non-Operating Property	Utilities and Railroads Use Codes Telecommunications	Keyword: TELECOM
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08500	10500	TELECOM Armstrong Telephone
08501	10501	TELECOM AT & T Communications of Maryland
08502	10502	TELECOM Verizon Maryland
08503	10503	TELECOM MCI
08504	10504	TELECOM US Sprint
08505	10505	TELECOM Cable and Wireless
08506	10506	TELECOM Institutional Communication
08508	10508	TELECOM Frontier Communications
08509	10509	TELECOM World COM

Operating Property	Non-Operating Property	Utilities and Railroads Use Codes Telecommunications	Keyword: TELECOM
08510	10510	TELECOM Metropolitan Fiber	
08511	10511	TELECOM KMC Telecom III, Inc.	
08512	10512	TELECOM Level 3 Communications, LLC.	
08513	10513	TELECOM Broadwing Communications	

Communications-Related Keyword: TELECOM

80130 TELECOM Communication Towers

Operating Property	Non-Operating Property	Utilities and Railroads Use Codes Water	Keyword: WATER
08600	10600	WATER Amelano	
08602	10602	WATER Campus Hills Water	
08603	10603	WATER Carpenters Point Water	
08604	10604	WATER CECO Utilities	
08606	10606	WATER Greenridge Utilities	
08608	10608	WATER Lodgecliff Water	
08609	10609	WATER Maryland America Water	
08610	10610	WATER Pinto Utilities	
08611	10611	WATER Pomonk Utilities	
08612	10612	WATER Preston Water	
08613	10613	WATER Provinces Water Company	
08614	10614	WATER Rawlings Heights Water	
08616	10616	WATER Rose Haven	
08617	10617	WATER Severn Water	
08618	10618	WATER T & C Utility	
08619	10619	WATER Utilco	
08620	10620	WATER Utilities Incorporated of Maryland	
08621	10621	WATER Vista Water	
08622	10622	WATER White Plains Water	
08623	10623	WATER Pinehill Water	
08624	10624	WATER Piney Waste Water	
08625	10625	WATER Western Shores Water	
08626	10626	WATER Pomonkey Water	
08627	10627	WATER Red Hill Estates	
08628	10628	WATER Calvert Beach Water Company	
08629	10629	WATER Darlington Water Company	
08630	10630	WATER Highland Estates Water Company	
08631	10631	WATER M. H. Utilities	
08632	10632	WATER Steeplechase Water Works	

Operating Property	Non-Operating Property	Utilities and Railroads Use Codes Steam	Keyword: STEAM
08700	10700	STEAM Baltimore Steam Company	



Appendix F: Exempt Class Codes and Descriptions

Exempt Class Codes and descriptions contained in the EXCLASS and DESCEXCL dataset fields are grouped as follows:

100-190	PUB	Public Owned Real Property or USA Federal Property
200-390	STA	State Owned Real Property
400-591	JUR	County or Baltimore City Owned Real Property
600-690	MUN	Town or Municipality Owned Real Property
700-795	PVT	Privately Owned Real Property
800-994	NPF	Property Owned by Non-Profit or Charitable Organizations
010-090	OTH	All other classes

In *MdProperty View* and *FINDER Quantum*, data are also grouped by code into the following datasets located in the Extracts folder included in each jurisdiction download (example Talbot County):

Talb_pub.dbf	Talb_pvt.dbf
Talb_sta.dbf	Talb_npf.dbf
Talb_jur.dbf	Talb_oth.dbf
Talb_mun.dbf	

Keywords are included in the descriptions to make it easier to select groups of records by subject area. Keywords appear in the field at the beginning of each description as shown below. Codes and code descriptions are obtained from the State Department of Assessments and Taxation and are current as of late September 2014. No new codes were added for the current Edition year.

Exemption Class Codes not extracted

Keyword: NOT EXTRACTED

000 NOT EXTRACTED Taxable Property	999 NOT EXTRACTED Unknown Tax Status
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Public Owned Real Property or USA Federal Property: Talb_pub.dbf

Keyword: PUB

100 PUB Office Building	150 PUB Non-Military Airport
110 PUB Hospital	160 PUB Research Institution
120 PUB Park	170 PUB Other
130 PUB Military Installation	180 PUB Seized Property
140 PUB School	190 PUB Game Preserve

State Owned Real Property: Talb_sta.dbf

Keyword: STA

200 STA Office Building	250 STA College
210 STA Hospital/Health Related Facility	260 STA Airport (Baltimore-Washington International)
220 STA Park	270 STA Museum
230 STA Police Station/Barracks	280 STA Detention Center
240 STA Armory	

290 STA Game Preserve	350 STA Other
300 STA Port Authority	360 STA Metropolitan Transit Authority
310 STA Other	370 STA Housing and Urban Development
320 STA Other	380 STA State Roads Commission (Mass Transit Administration)
330 STA Department of Public Works	390 STA Tobacco Warehouse
335 STA North East Maryland Waste Disposal Authority	391 STA Tobacco Warehouse (County Exempt only)
340 STA Market Authority	

County or Baltimore City Owned Real Property: Talb_jur.dbf

Keyword: JUR

400 JUR Office Building	505 JUR Flood Plain by Plat
401 JUR Office Building (County/Municipal Exempt only)	506 JUR Landfill
410 JUR Hospital/Health Related Facility	507 JUR Wastewater Pumping Station
420 JUR Parks and Recreation	508 JUR Freshwater Pumping Station
430 JUR Police Station	510 JUR Housing Authority
440 JUR Public School including Junior College	511 JUR Housing Authority (County/Municipal Exempt only)
450 JUR Airport	512 JUR Housing Authority (State Exempt only)
460 JUR Museum	520 JUR Library
470 JUR Detention Center	530 JUR Commission for Historical Preservation
480 JUR Off-Street Parking	540 JUR Tax Sale Property
481 JUR Off-Street Parking (County/Municipal Exempt only)	550 JUR Dock/WTalb
490 JUR Fire Department	560 JUR Housing and Community Development
500 JUR Public Works Property	570 JUR Market and Comfort Station
501 JUR Flood Plain	580 JUR Other
502 JUR Storm Drain	590 JUR Other
503 JUR Common Area by Plat	591 JUR Department of Environmental Protection
504 JUR Open Space by Plat	

Town or Municipality Owned Real Property: Talb_mun.dbf

Keyword: MUN

600 MUN Office Building	650 MUN Public Works Property
610 MUN Parks and Recreation	660 MUN Housing Authority
620 MUN Police Station	670 MUN Other
630 MUN Museum	680 MUN Other
640 MUN Fire Department	690 MUN Other

Privately Owned Real Property: Talb_pvt.dbf

Keyword: PVT

700 PVT Church/Rectory/Mosque/Synagogue	770 PVT Church Society/Club
710 PVT Church School	780 PVT Church Aged/Rehabilitation Home
720 PVT Church College	790 PVT Other
730 PVT Church Cemetery	791 PVT Power Plant with Legislative Exemption(s)
740 PVT Church Hospital/Health Related Facility	792 PVT Other (State Exempt only)
750 PVT Church Camp	794 PVT Parking Lot
760 PVT Other such as the Salvation Army or Mission	795 PVT Parking Lot

800 NPF Private School	906 NPF Community Owned Property (County/Municipal Exempt only)
805 NPF Payment in Lieu of Taxes	910 NPF Club
806 NPF Payment in Lieu of Taxes (County/Municipal Exempt only)	911 NPF Club (County/Municipal Exempt only)
807 NPF Payment in Lieu of Taxes (County Exempt only)	915 NPF Research Organization
810 NPF Private College	920 NPF Historical Society
820 NPF Hospital/Health Related Facility	930 NPF Museum
830 NPF Lodge	940 NPF Volunteer Fire Department
840 NPF Non-Profit Housing for the Elderly	941 NPF Volunteer Fire Department (County Exempt only)
850 NPF Boy Scout Camp/Girl Scout Camp	950 NPF Fair Ground
860 NPF Other	960 NPF Veterans Organization
861 NPF Other (County/Municipal Exempt only)	961 NPF Veterans Organization (County/Municipal Exempt only)
862 NPF Other (State Exempt only)	970 NPF Goodwill/Disabled Veterans Rehabilitation Center/Red Cross
870 NPF Other Camp	980 NPF Private Cemetery
880 NPF YMCA Camp/YWCA Camp	990 NPF B & O Railroad
890 NPF Trade Association	991 NPF B & A Railroad
900 NPF Civic Organization	992 NPF Conrail (Consolidated Railroad Corporation)
901 NPF Civic Organization (County/Municipal Exempt only)	993 NPF National Railroad Passenger Corporation
905 NPF Community Owned Property	994 NPF Penn-Central (Philadelphia-Washington-Baltimore RR)

010 OTH Blind	050 OTH Other
020 OTH Disabled Veteran	060 OTH Local Religious Tax Credit
021 OTH Disabled Veteran's Surviving Spouse	070 OTH Other
030 OTH Conservation Tax Credit	071 OTH Other (Municipal Exempt only)
031 OTH Conservation Tax Credit (State Exempt only)	080 OTH Other
040 OTH Medical Exemption	090 OTH Property of a Foreign Government
041 OTH Medical Exemption (County/Municipal Exempt only)	095 OTH Isabel Storm Credit
	999 OTH Unknown Tax Status



Appendix G: About Street Address Cleanup in the Parcel Dataset

When you use the Geocode Tool or for *MdProperty View* users, if you use one of the MD iMap custom geocoding services, your client or customer dataset fields are matched to street address fields in the Parcel dataset – the STRTNUM, STRTDIR, STRTNAM, STRTTYP, STRTSFX and ZIPCODE fields. These fields are loaded with data from State Department of Assessments and Taxation premise address – the PREMSNUM, PREMSDIR, PREMSNAM, PREMSTYP and PREMZIP fields. Where Assessments premise address data are not available, Assessments owner address data – from the OWNADD1 and OWNERZIP fields – are used to load the Parcel dataset street address fields if a property is owner occupied.

For some counties and Baltimore City, limited street address cleanup will be performed for this Edition year, as noted in the jurisdiction flier found in the \Datadocs\County folder.

A General Overview of the Street Address Cleanup Process

Data in Parcel dataset street address fields are cleaned up after the source data are loaded to increase your chances of getting a good address match when you geocode your client or customer dataset. Following is a general overview of the process by which Assessments premise and owner address data are used to create Maryland Department of Planning street address datasets for Maryland's 23 counties and Baltimore City on an annual cycle. The United States Postal Service (USPS) ZIP code website, various county street address websites, Google, Bing maps and various land development websites are used as outside verifying sources throughout this process.

1. At the beginning of the *MdProperty View/FINDER Quantum/FINDER Online* production cycle for a given jurisdiction, a current monthly Parcel dataset download from Assessments is used to set up a street address cleanup dataset. Street addresses from the previous Edition of *MdProperty View* are retained where there have been no changes to Assessments premise address or legal description data.

For all other parcel records, data are loaded first from the Assessments premise address, and then from the Assessments owner address for owner-occupied or dual-use properties (OOI field), where there are no premise address data available. The minimum standard to create a Planning street address for a given parcel is the presence of populated premise address number and premise address name fields. All other processes listed below are applied only to parcel records with a valid street address.

2. Next, for parcel records where street address ZIP code (ZIPCODE field) is not already populated with the previous year's data, data are loaded to street address ZIP code first from premise address ZIP code, and then from owner address ZIP code for owner-occupied or dual-use properties where there are no premise address ZIP code available data available. Planning's ZIP codes derived from Planning's previous year ZIP code boundary file are also loaded to the street address cleanup dataset at this point, and these data are used to populate street address ZIP code in the absence of any Assessments ZIP code data. Street address ZIP code data are then further processed to remove Post Office Box ZIP codes and ZIP codes that are out of range for the jurisdiction.
3. In Step 3, parcel records are checked for the presence of NORTH, SOUTH, EAST or WEST in street address name (STRTNAM field) and these data are then processed and moved to street address prefix directional (STRTDIR field) or street address suffix directional (STRTSFX field). Reverse processing is also completed to reconcile those parcel records where data in street address prefix or suffix directional should actually be part of street address name, for example E NORTH POINT BLVD, where NORTH POINT is part of the street address name.

4. Once all directional data have been processed, five categories of parcel records that have been flagged for potential errors are processed to remove any anomalies: NUM (street address number appears to be in street address name), DIR (street address directional appears to be in street address name), TYP (street address type appears to be in street address name), PNC (there appears to be inappropriate punctuation in street address name) and UNT (there appears to be street address unit data in street address name).
5. At this point in the process, new street address data are reviewed in general for data anomalies. New street addresses are identified by the absence of a populated street address city (CITY field), and a filter is set to view new parcel records only; the filter also brings up any parcel records with changes to premise address or legal description data, as these records are treated as new records in Step 1 above. If a possible anomaly is found, the filter is turned off to allow the entire street address range to be viewed, to ensure that data can be view in context as they are edited.
6. Once new street address data have been reviewed, street address city is populated and all parcel records with a populated street address are flagged for discrepancies between Planning's ZIP codes derived from Planning's previous year ZIP code boundary file and the contents of street address ZIP code. Any discrepancies are then resolved by either by changing the street address ZIP code for a given parcel or by changing Planning's ZIP code boundary file for the current year, which is also developed as part of the *MdProperty View/FINDER Quantum/FINDER Online* product for the current jurisdiction.
7. Next, parcel records are flagged for discrepancies between owner address ZIP code and the contents of street address ZIP code where a property is owner-occupied and where the contents of street address number and street address name are contained within owner address 1 (OWNADD1 field). Most but not all these discrepancies are resolved by changing the street address ZIP code.
8. At this point in the process, further programs are run and legal description 1 or 2, depending on the jurisdiction, is checked for the presence of an ampersand (&), and slash (/) or a dash (-), any of which can indicate the presence of multiple street address numbers assigned to the same parcel account number. Premise address name is also checked for these data at the same time, and in most cases, data are entered into street address unit (STRTUNT field) as multiple street address numbers, for example ALSO 101 AND 102 or "1/2" street address numbers, for example, 101 1/2.
9. An index is then turned on to allow duplicate parcel records to be viewed; records where street address number, street address prefix directional, street address name, street address type, street address suffix directional, street address city and street address ZIP code are identical. Legal description 1 or 2, depending on the jurisdiction, is then inspected for suite, unit or other data that can be used to distinguish these records and these data are entered into street address unit.

As part of the suite/unit review, the land use description (DESCLU field) for the parcel is checked for commercial status, which might indicate the need to use "SUITE" rather than "UNIT", and the Computer Assisted Mass Appraisal (CAMA) building type description (CM_DSCTYPE field) and/or building style description (CM_DSCSTYL FIELD), as well as the legal description fields, is checked to detect units which are actually boat slips, condominium parking spaces or condominium storage units.

10. Finally, an index is turned on to allow viewing of a single occurrence of parcel records where street address prefix directional, street address name, street address type and street address suffix directional are identical within a given street address ZIP code. Parcel records are then reviewed for adjustments to any of these fields, and if a suspected adjustment is identified, the index is turned off to allow the entire street address range to be viewed, to ensure that data can be view in context.

Examples of typical adjustments made during this final review are ensuring that TREE TOP ROAD and TREETOP ROAD in the same street address ZIP code are resolved to the correct spelling, with or without a space in the street address name; changes to street address type (STRTTYP field) in the presence of CHARLES AVE, CHARLES DR, CHARLES ROAD and CHARLES STREET in the same street address ZIP code; and shifting of directional data to street address prefix directional or street address suffix directional when both come up in the same street address range.

Specifics of the Street Address Cleanup Process

As part of the clean-up process, typos in Parcel dataset street address fields are corrected, and all punctuation is removed. Spaces are removed where apostrophes are removed (for example, O'CONNOR becomes OCONNOR), but retained where periods or dashes are removed (DEL-MAR becomes DEL MAR).

Street address numbers, street address directionals and suffix directionals (N, NORTH, S, SOUTH, E, EAST, W, WEST, NW, NE, SE and SW) and street address types (AVENUE, LANE, ROAD, etc.) are moved out of premise name before source data are loaded if they were entered into that field by mistake. Also, certain types of street address names, and all street address types, are standardized to current United States Postal Service (USPS) standards in Parcel dataset street address fields, unless an alternate spelling can be verified on the USPS ZIP Code website; data are not standardized where non-standard spelling can be verified on the USPS website. Example standardizations for street names are:

- DOCTOR All occurrences of DOCTOR (DR. MUNSEY or DR MUNSEY) are spelled out in Parcel dataset geocoding fields (DOCTOR MUNSEY)
- FORT All occurrences of FORT (FT. MCHENRY or FT MCHENRY) are spelled out in Parcel dataset geocoding fields (FORT MCHENRY)
- GENERAL All occurrences of GENERAL (GEN. LEE or GEN LEE) are spelled out in Parcel dataset geocoding fields (GENERAL LEE)
- MOUNT All occurrences of MOUNT (MT. HOREB or MT HOREB) are spelled out in Parcel dataset geocoding fields (MOUNT HOREB)
- SAINT All occurrences of SAINT (ST. MARK or ST MARK) are spelled out in Parcel dataset geocoding fields (SAINT MARK)
- ROUTE All occurrences of ROUTE street names are standardized as in the following examples:

US ROUTE 40	STATE ROUTE 32	INTERSTATE 70
-------------	----------------	---------------

The most popular street address types are standardized to:

AVE	DR	PIKE	ST
BLVD	HWY	PL	TER
CIR	LANE	ROAD	TRL
CT	PKWY	SQ	WAY

In some cases, street address types may be included in the Parcel dataset street address name field (STRTNAM) instead of in the street address type field (STRTTYP). This might occur if a street address type could be followed by another street address type, for example, street address name might be DEER PATH and street address type might be ROAD, or if the most commonly used form of the street address type is different than the standard USPS abbreviation for that street type, for example, instead of street address name FORREST and street address type HTS, street address name FORREST HEIGHTS.

Street address types usually included in street address name are:

COVE	HEIGHTS	OVAL	POINT	WALK
CENTER	HILL	PARK	ROW	
EXPRESSWAY	LOOP	PATH	RUN	
GARTH	MEWS	PLAZA	TURNPIKE	

In some jurisdictions, more than one premise address number (PREMSNUM field) may be assigned to the same parcel account number. Often the additional premise numbers appear in the State Department of Assessments and Taxation legal description fields (LEGAL1 or LEGAL2 field) or in Assessments premise name (PREMSNAM field), as in the following example:

Premise number: 101 Premise name: 103 105 107 MAIN Premise type: ST

In the Parcel dataset, these additional premise numbers are extracted and placed in street address unit (STRTUNT field), so that the example above appears as:

ADDRESS: 101 MAIN ST

STRTNUM: 101 STRTNAM: MAIN STRTTYP: ST STRTUNT: ALSO 103 THRU 107

The same method is used to handle 1/2 premise numbers, as in the example below:

Premise number: 101 Premise name: 101 1/2 MAIN Premise type: ST

ADDRESS: 101 MAIN ST

STRTNUM: 101 STRTNAM: MAIN STRTTYP: ST STRTUNT: 101 1/2

Similarly, any apartment unit information that appears in the Assessments premise name field is also moved to street address unit. Using the following example, if an address appears as follows in the Assessments parcel record:

Premise number: 300 Premise name: GLOVER ROAD APT 10

In the Parcel dataset, the address appears as:

ADDRESS: 300 GLOVER ROAD

STRTNUM: 300 STRTNAM: GLOVER STRTTYP: ROAD STRTUNT: UNIT 10

Boat slip information that appears in the Assessments premise number field remains in street address number, but street address name (which usually contains premise name information, but in the case of a boat slip, contains the condominium name that the boat slip is attached to) is altered to include the words BOAT SLIP. Street address unit is then altered to contain the actual physical location (the street address name) of the condominium if that information can be obtained from legal description. Using the following example, if an address appears as follows in the Assessments parcel record:

Premise number: 1 Premise name: SEASCAPE CM

Legal Description 1: IMPSBOAT SLIP #1

Legal Description 2: HERON DRIVE

In the Parcel dataset, the address appears as:

ADDRESS: 1 BOAT SLIP SEASCAPE CONDOMINIUM

STRTNUM: 1 STRTNAM: BOAT SLIP SEASCAPE CONDOMINIUM

STRTUNT: SEE CONDO N HERON DR

Overall Improvements to the Street Address Cleanup Process

In addition to the field content improvements described above, the following overall improvements to the address cleanup process help make the geocoding process more reliable than ever before:

- Street address suffix directional is included in the Parcel dataset, although this field does not appear in the Assessments source data. This improves the quality of the directional information used for geocoding.
- ZIP code cleanup is improved. Where 5-digit ZIP codes are not obtainable from the Assessments premise or owner ZIP code fields, the ZIPCODE field is populated by overlaying Parcel dataset parcel points with Planning's 2013 ZIP code boundaries which have been updated to reflect current geography.

The resulting ZIP code assignments for each parcel record are then checked for accuracy against current USPS ZIP code information to ensure that ZIP code assignments for a given geographic area have not changed since Planning's 2013 ZIP code boundary file was created. If it appears that the Planning's ZIP Code boundary file is in error, and where the correct ZIP code can be identified via external sources such as Google, Bing maps or a land development website, adjustments are made to Planning's ZIP code boundary file

- During ZIP code cleanup for jurisdictions with subdivisions, probable ZIP codes are assigned to properties in the Parcel dataset that may be too new to have received ZIP code assignments from the USPS or to be assigned x,y coordinates in the Parcel dataset. For these new properties, probable ZIP codes are assigned based on the ZIP code location of the subdivision that contains the properties; again, these ZIP code assignments are usually identified via external sources such as Google, Bing maps or a land development website.
- City names are standardized to the USPS city associated with each ZIP code in a given jurisdiction. Where city names are not available through the Assessments premise or owner city fields, CITY is populated with the USPS city where a ZIP code can be determined for a given address.
- The word UNIT is replaced with SUITE in street address units where appropriate. This should help in the identification of commercial condominium street address ranges.
- Boat Slips, condominium parking spaces and storage units are now regularly identified via the Computer Assisted Mass Appraisal (CAMA) dataset where this information is available. This helps in the identification of non-dwelling units.



Appendix H: Assessment Office Supervisors and Determining Zoning Authorities

Assessment Office Supervisors

Contact information for State Department of Assessments and Taxation Assessment Office Supervisors is available on the Assessments website at:

<http://dat.maryland.gov/realproperty/Pages/Maryland-Assessment-Offices.aspx>

Questions about data content may need to be addressed to Assessment Office Supervisors, especially for dataset fields not identified as *MdPV/FINDER* in the following documents:

MdpUsr13.pdf *MdProperty View/FINDER Quantum/FINDER Online User's Guide*
Appendix C: Parcel and Sale Dataset Structures
Appendix D: CAMA Dataset Structure

Questions and inquiries about data content or the valuation of real property should be directed to the offices listed above. Please do not contact Assessments Office Supervisors with questions about ZONING field data content.

Determining Zoning Authorities

Information about ZONING field data content should be addressed to the Determining Zoning Authorities in Maryland's 24 jurisdictions and jurisdiction municipalities. Contact information for Determining Zoning Authorities is available on the Maryland Department of Planning website at:

<http://planning.maryland.gov/OurWork/Counties/LocalPlanningByCounty.shtml>

The link leads you to an interactive map which provides contact information for the Determining Zoning Authorities. If you use ZONING data in your projects, please check the website often for the latest information available on each Determining Zoning Authority, as listings change frequently.

Important – Read before using ZONING data in your projects

Data included in the ZONING fields found in *MdProperty View/FINDER Quantum/FINDER Online* Parcel and Sale datasets are as received in the parcel download for each jurisdiction provided to the Maryland Department of Planning by the State Department of Assessments and Taxation. **Assessments neither substantiates nor warrants the completeness or validity of entries in the ZONING field.**

Several variables may affect the quality of the zoning data available for a given jurisdiction. Zoning data may not be updated to reflect current zoning changes in a jurisdiction. In some or many cases, no zoning data may be provided for a given jurisdiction. Zoning decisions are made at the county or municipality level, and as such, may not be communicated to Assessments.

Planning and Assessments strongly suggest that you verify data contained in the ZONING field with the determining zoning authority or authorities in the jurisdiction you are using, which is the best and responsible source for timely and accurate zoning data. Many jurisdictions make their GIS zoning layer available in digital format – you can add this layer as an overlay to your map in *MdProperty View* or *FINDER Quantum*.



Appendix I: 2014-2002 Residential Sales

MdProperty View and *FINDER Quantum* include map layers of residential arms-length sales with improvements for calendar year (CY) 2014 through and including 2002. **Residential Sales data are not included in *FINDER Online*.**

Residential Sales Files

There are separate map layer shapefile sets for each calendar year located in the `Overlays\ResSale` folder included in each jurisdiction download. Each dataset record includes key attribute data including parcel account number, transaction date and dollar consideration at time of sale, dwelling unit type (single family, townhouse, condominium, mobile home), year built and various geographic area identifiers.

Residential arms-length sales with improvements (example Talbot County):

Talb_sale14.shp	Calendar Year 2014	Talb_sale11.shp	Calendar Year 2011
Talb_sale13.shp	Calendar Year 2013	Talb_sale10.shp	Calendar Year 2010
Talb_sale12.shp	Calendar Year 2012		

All residential sales map layers are included in the *MdProperty View ArcGIS* custom map document file (mxd) and in the *FINDER Quantum QGIS* custom project file (qgs), but only the most recent residential map layer, shown in red above, is turned on (checked) when you open *MdProperty View* or *FINDER Quantum*. The other residential sales map layers can be checked for display as you zoom in on the map view area in either product.

CY2009-CY2002 Residential arms-length sales with improvements files are not included in the ArcGIS custom map document file (mxd) or the QGIS custom project file (qgs). These map layers can be loaded from the `Overlays\ResSale` folder included in each jurisdiction (county or Baltimore City) product download.

The dataset linked to each of these map layers contains these fields:

Field	Description
ACCTID	Parcel account number, a unique identifier for each parcel account in a county or Baltimore City
HU	Housing unit type
TRADATE	Transfer date
CONSIDR1	Consideration – the amount of money paid for the property
IMPVALUE	New full market improvement value – appraised improvement value
YEARBLT	Year the structure was built
COUNTY	Jurisdiction FIPS code from U.S. Census Bureau
DESCTOWN	Name of municipality
ZIPCODE1	Primary (5 digit) ZIP code
ZIPCODE2	Secondary (4 digit) ZIP code
ZIPNAME	Name of the ZIP code

Field	Description (continued)
For CY2014 through and including CY2010:	
CT2010	2010 census tract number
BG2010	2010 census block group number
For CY2009 through and including CY2002:	
CT2000	2000 census tract number
BG2000	2000 census block group number
PFA	Priority Funding Area

Appendix C: Parcel and Sale Dataset Structures contains detailed descriptions of the source data used to create the fields listed above. The source of the data and the methodology applied to extract the 2014 through 2002 residential arms-length sales with improvements data used to create the shapefile sets are described in these documents found in the Overlays\ResSale folder included in each jurisdiction download:

SalesMethodology_CY2014.pdf	SalesMethodology_CY2008.pdf
SalesMethodology_CY2013.pdf	SalesMethodology_CY2007.pdf
SalesMethodology_CY2012.pdf	SalesMethodology_CY2006.pdf
SalesMethodology_CY2011.pdf	SalesMethodology_CY2005.pdf
SalesMethodology_CY2010.pdf	SalesMethodology_CY02thru04.pdf
SalesMethodology_CY2009.pdf	

Residential Sales Summary Files

Also included are statewide map layers showing summary sales data by census tract for all residential improved sales. CY2014-CY2010 residential sales are summarized by 2010 census tract and CY2009-CY2002 residential sales are summarized by 2000 census tract.

The summary characteristics for each tract are total number of sales by individual year, median dollar value of sale by year and mean dollar value of sales by year based on the consideration at time of sale. The summary map layers are available for total dwellings, single family dwellings, townhouses and condominiums and are located in the Overlays\ResSale\Ct_Sales_Summary folder included in each jurisdiction download:

Files summarized by 2010 census tract (only the most recent file names are shown):

Ct_tot_sales_14.shp	CY2014-CY2010 Total Dwellings Summary Report
Ct_sf_sales_14.shp	CY2014-CY2010 Single Family Dwellings Summary Report
Ct_th_sales_14.shp	CY2014-CY2010 Townhouses Summary Report
Ct_cn_sales_14.shp	CY2014-CY2010 Condominiums Summary Report

Files summarized by 2000 census tract (only the most recent file names are shown):

Ct_tot_sales_09.shp	CY2009-CY2002 Total Dwellings Summary Report
Ct_sf_sales_09.shp	CY2009-CY2002 Single Family Dwellings Summary Report
Ct_th_sales_09.shp	CY2009-CY2002 Townhouses Summary Report
Ct_cn_sales_09.shp	CY2009-CY2002 Condominiums Summary Report

The CY2009-CY2002 residential sales summary files can be loaded from the Overlays\ResSale\Ct_Sales_Summary folder included in each jurisdiction (county or Baltimore City) product download.

The CY2014-CY2010 residential sales summary files contain these fields:

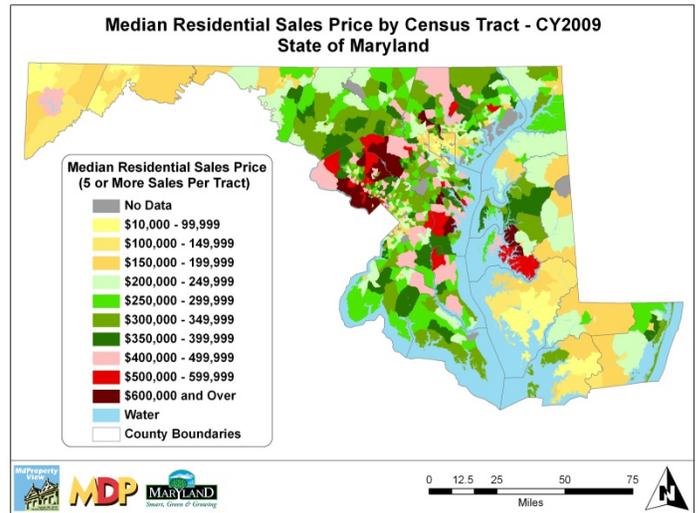
Field	Description
CNTYNAME	County name (for example, Talbot County)
COUNTY	Jurisdiction FIPS code from U.S. Census Bureau
CT2010	2010 census tract number
HUTYPE	Housing unit type
SALES2014	Number of sales for the census tract in CY2014
SALES2013	Number of sales for the census tract in CY2013
SALES2012	Number of sales for the census tract in CY2012
SALES2011	Number of sales for the census tract in CY2011
SALES2010	Number of sales for the census tract in CY2010
MED_2014	Median dollar value of sales for the census tract in CY2014
MED_2013	Median dollar value of sales for the census tract in CY2013
MED_2012	Median dollar value of sales for the census tract in CY2012
MED_2011	Median dollar value of sales for the census tract in CY2011
MED_2010	Median dollar value of sales for the census tract in CY2010
MEAN_2014	Mean dollar value of sales for the census tract in CY2014
MEAN_2013	Mean dollar value of sales for the census tract in CY2013
MEAN_2012	Mean dollar value of sales for the census tract in CY2012
MEAN_2011	Mean dollar value of sales for the census tract in CY2011
MEAN_2010	Mean dollar value of sales for the census tract in CY2010

The CY2009-CY2002 Residential Sales Summary Files contain these fields:

Field	Description
CNTYNAME	County name (for example, Talbot County)
COUNTY	Jurisdiction FIPS code from U.S. Census Bureau
CT2000	2000 census tract number
HUTYPE	Housing unit type
SALES2009	Number of sales for the census tract in CY2009
SALES2008	Number of sales for the census tract in CY2008
SALES2007	Number of sales for the census tract in CY2007
SALES2006	Number of sales for the census tract in CY2006
SALES2005	Number of sales for the census tract in CY2005
SALES2004	Number of sales for the census tract in CY2004
SALES2003	Number of sales for the census tract in CY2003
SALES2002	Number of sales for the census tract in CY2002
MED_2009	Median dollar value of sales for the census tract in CY2009
MED_2008	Median dollar value of sales for the census tract in CY2008
MED_2007	Median dollar value of sales for the census tract in CY2007
MED_2006	Median dollar value of sales for the census tract in CY2006
MED_2005	Median dollar value of sales for the census tract in CY2005
MED_2004	Median dollar value of sales for the census tract in CY2004
MED_2003	Median dollar value of sales for the census tract in CY2003
MED_2002	Median dollar value of sales for the census tract in CY2002

Field	Description
MEAN_2009	Mean dollar value of sales for the census tract in CY2009
MEAN_2008	Mean dollar value of sales for the census tract in CY2008
MEAN_2007	Mean dollar value of sales for the census tract in CY2007
MEAN_2006	Mean dollar value of sales for the census tract in CY2006
MEAN_2005	Mean dollar value of sales for the census tract in CY2005
MEAN_2004	Mean dollar value of sales for the census tract in CY2004
MEAN_2003	Mean dollar value of sales for the census tract in CY2003
MEAN_2002	Mean dollar value of sales for the census tract in CY2002

for example, the CY2009 median residential sales price by census tract summary map layer for Maryland is shown to the right:





Appendix J: Parcel, Sale and CAMA Property and Building Codes and Descriptions

Since the first Edition of *MdProperty View/FINDER Quantum/FINDER Online*, the Parcel, Sales and Computer Assisted Mass Appraisal (CAMA) datasets included in Planning's downloadable and online data products have always included text descriptions to make State Department of Assessments and Taxation coded field data more readily accessible. A big advantage of the code descriptions included in Planning's products is that they typically include keywords to make it easier for users to select groups of records by subject area and to group like data.

The keywords included in description fields appear at the beginning of each description as shown below. For that reason, please note that the codes shown below are not listed in exact numeric order by code, because codes are grouped by the subject area indicated by these keywords.

Commercial and Industrial Property Use Codes and Descriptions (Appendix E) and Exempt Class Codes and Descriptions (Appendix F) have already been described. This Appendix describes the codes and descriptions assigned to property and building-related data in the Parcel, Sales and CAMA datasets. Some of these code are shared among all three datasets, while other codes and descriptions appear only in the CAMA dataset.

Codes and code descriptions are obtained from the State Department of Assessments and Taxation and are current as of late September 2014, and for codes and code descriptions associated with Computer Assisted Mass Appraisal (CAMA) data only, current as of January 2014.

Parcel/Sale/CAMA Dataset: Structure Codes

Building Grade (quality of construction), Type of Construction, Building Style/Number of Stories and Building Type Codes are used to identify the specific characteristics of buildings found on a given property.

The structure codes and descriptions listed below are contained in these dataset fields:

	Parcel and Sale Dataset	CAMA Dataset
Grade	STRUGRAD and DESCGRAD	BL_BLDGRAD and BL_DSCGRAD
Type of Construction	STRUCNST and DESCNST	XX_BLDCNST and XX_DSCNST
Number of Stories/Style	STRUSTYL and DESCSTYL	BL_BLDSTYL and BL_DSCSTYL
Building Type	STRUBLDG and DESCBLDG	BL_BLDTYPE and BL_DSCTYPE

Commercial codes in the STRUSTYL/BL_BLDSTYL and STRUBLDG/BL_BLDTYPE fields are preceded by the letter C. **No CAMA datasets that include type of construction field data have been released as of January of 2014, which is why those field name prefixes are currently shown as XX_.**

Structure Grade

Keyword: GRAD

1	GRAD Low	6	GRAD Good
2	GRAD Economy	7	GRAD Very Good
3	GRAD Below Average	8	GRAD Excellent
4	GRAD Average	9	GRAD Superior
5	GRAD Above Average		

Structure Style: Number of Stories

Keyword: STRY

0001	CNST Siding	C101	CNST Wood
0002	CNST Frame	C102	CNST Hardboard
0003	CNST Shingle Wood	C103	CNST Stucco
0004	CNST Shingle Asbestos	C104	CNST Metal
0005	CNST Stucco	C105	CNST Vinyl
0006	CNST Block		
0007	CNST Brick	C106	CNST Brick Veneer
0008	CNST Stone	C107	CNST Brick Face
		C108	CNST Brick Common
0009	CNST 1/2 Brick Siding	C109	CNST Brick and Metal
0010	CNST 1/2 Brick Frame		
0011	CNST 1/2 Stone Siding	C110	CNST Stone
0012	CNST 1/2 Stone Frame	C111	CNST Concrete
0013	CNST Log	C112	CNST Block

Structure Style: Number of Stories

Keyword: STRY

0001	STRY 1 Story No Basement	0007	STRY 2 1/2 Story No Basement
0002	STRY 1 Story With Basement	0008	STRY 2 1/2 Story With Basement
0003	STRY 1 1/2 Story No Basement	0009	STRY 3 Story No Basement
0004	STRY 1 1/2 Story With Basement	0010	STRY 3 Story With Basement
0005	STRY 2 Story No Basement	0011	STRY 4 Story No Basement
0006	STRY 2 Story With Basement	0012	STRY 4 Story With Basement
		0013	STRY Split Foyer
0015	STRY TH End 1 Story No Basement	0021	STRY TH End 2 1/2 Story No Basement
0016	STRY TH End 1 Story With Basement	0022	STRY TH End 2 1/2 Story With Basement
0017	STRY TH End 1 1/2 Story No Basement	0023	STRY TH End 3 Story No Basement
0018	STRY TH End 1 1/2 Story With Basement	0024	STRY TH End 3 Story With Basement
0019	STRY TH End 2 Story No Basement	0025	STRY TH End 4 Story No Basement
0020	STRY TH End 2 Story With Basement	0026	STRY TH End 4 Story With Basement
		0027	STRY TH End Split Foyer
0029	STRY TH Center 1 Story No Basement	0035	STRY TH Center 2 1/2 Story No Basement
0030	STRY TH Center 1 Story With Basement	0036	STRY TH Center 2 1/2 Story With Basement
0031	STRY TH Center 1 1/2 Story No Basement	0037	STRY TH Center 3 Story No Basement
0032	STRY TH Center 1 1/2 Story With Basement	0038	STRY TH Center 3 Story With Basement
0033	STRY TH Center 2 Story No Basement	0039	STRY TH Center 4 Story No Basement
0034	STRY TH Center 2 Story With Basement	0040	STRY TH Center 4 Story With Basement
		0041	STRY TH Center Split Foyer

Structure Building Type

Keyword: BLDG

0001	BLDG Standard Unit	0009	BLDG Condominium High Rise
0002	BLDG End Unit	0010	BLDG Condominium Penthouse
0003	BLDG Center Unit	0011	BLDG Condominium Studio
0004	BLDG Split Foyer		
0005	BLDG Split Level	0012	BLDG Boat Slip
0006	BLDG Mobile Home	0013	BLDG Rental Dwelling
0007	BLDG Condominium Townhouse	0014	BLDG Parking Space
0008	BLDG Condominium Garden Unit	0015	BLDG Storage Unit

Structure Style and Building Type: Housing-Related

Keyword: HOUSING

C227	HOUSING Residence	C101	HOUSING Apartment(s)
C113	HOUSING Residence Multiple		
C179	HOUSING Residential/Retail Mixed	C307	HOUSING Residential Apartment Unit(s)
		C308	HOUSING Rental Townhouse Unit(s)
C310	HOUSING 1 Bedroom	C309	HOUSING Efficiency/Efficiencies
C311	HOUSING 2 Bedrooms	CND	HOUSING Condominium(s)
C312	HOUSING 3 Bedrooms	MH1	HOUSING Mobile Home(s)
C313	HOUSING 4 Bedrooms		

The CND and MH1 codes and descriptions do not appear in the STRUBLDG/DESCBLDG fields.

Structure Style and Building Type: Travel-Related

Keyword: TRAVEL

C104	TRAVEL Hotel	C112	TRAVEL Motel
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Structure Style and Building Type: Vehicle-Related

Keyword: AUTO

C135	AUTO Auto Center	C132	AUTO Service Garage
C136	AUTO Auto Showroom	C134	AUTO Service Mini Lube
C187	AUTO Auto Dealership Complete	C191	AUTO Service Station
C314	AUTO Parking Space	C133	AUTO Service Storage Garage
C137	AUTO Parking Structure		

Structure Style and Building Type: Dining-Related

Keyword: RESTAURANT

C166	RESTAURANT	C192	RESTAURANT Food Booth
C167	RESTAURANT Fast Food	C203	RESTAURANT Tavern

Structure Style and Building Type: Shopping-Related

Keyword: STORE

C117 STORE Beauty and/or Barber Shop	C115 STORE Retail
C168 STORE Convenience	C303 STORE Retail Condominium
C170 STORE Dairy	
C114 STORE Department	C120 STORE Shopping Center Community
C116 STORE Discount	C181 STORE Shopping Center Community Shell
C118 STORE Laundromat	
C169 STORE Market	C121 STORE Shopping Center Neighborhood
	C184 STORE Shopping Center Neighborhood Finished
C172 STORE Mall Covered	C182 STORE Shopping Center Neighborhood Shell
C171 STORE Mall Enclosed	C119 STORE Shopping Center Regional
C173 STORE Mall Open	C183 STORE Shopping Center Regional Finished
	C180 STORE Shopping Center Regional Shell

Structure Style and Building Type: Office-Related

Keyword: OFFICE

C138 OFFICE Building	C139 OFFICE Building Medical
C301 OFFICE Building Condominium	C146 OFFICE Veterinary Hospital

Structure Style and Building Type: Care-Related

Keyword: CARE

C157 CARE Day Care Center	C105 CARE Home for the Elderly
C199 CARE Dental Clinic	C143 CARE Hospital Convalescent
C144 CARE Dispensary	C141 CARE Hospital General
C110 CARE Group Home	C142 CARE Surgical Center

Structure Style and Building Type: Bank-Related

Keyword: BANK

C149 BANK Bank Branch	C201 BANK Bank Mini
C200 BANK Bank Main	

Structure Style and Building Type: Warehouse/Storage-Related

Keyword: WAREHOUSE

C125 WAREHOUSE Distribution	C128 WAREHOUSE Mini Storage
C175 WAREHOUSE Cold Storage Facility	C204 WAREHOUSE Mini Storage Multi Story
C178 WAREHOUSE Discount	C126 WAREHOUSE Storage
C302 WAREHOUSE Condominium	C127 WAREHOUSE Transit
C198 WAREHOUSE Mega	

Structure Style and Building Type: Industry-Related

Keyword: INDUSTRY

C123 INDUSTRY Engineering and Research	C188 INDUSTRY Industrial Shell
C124 INDUSTRY Light Manufacturing	C189 INDUSTRY Industrial Finished
C174 INDUSTRY Industrial Heavy	C190 INDUSTRY Loft
C185 INDUSTRY Flex Space	

Structure Style and Building Type: Recreation-Related

Keyword: REC

C102 REC City Club	C160 REC Fraternal Building
C106 REC Club House	C161 REC Cinema
C107 REC Health Club	C162 REC Skating Rink
C108 REC Country Club	C163 REC Handball and/or Racquetball Court(s)
	C164 REC Bowling Alley
C156 REC Gymnasium	C165 REC Tennis Facility Indoor
C159 REC Auditorium	C193 REC Theater

Structure Style and Building Type: Boating-Related

Keyword: BOAT

C304 BOAT Marina Condominium Slip

Structure Style and Building Type: Burial-Related

Keyword: BURIAL

C109 BURIAL Mortuary

Structure Style and Building Type: Transportation-Related

Keyword: TRANSPORT

C129 TRANSPORT Hangar C130 TRANSPORT Hangar T Hangar

Structure Style and Building Type: Community-Related

Keyword: COMMUNITY

C154 COMMUNITY Building Restroom	C131 COMMUNITY Post Office Main
C155 COMMUNITY Building Shower	C197 COMMUNITY Post Office Branch
C158 COMMUNITY Church	C111 COMMUNITY Rectory
C148 COMMUNITY Library	

Structure Style and Building Type: School-Related

Keyword: SCHOOL

C151 SCHOOL Building Classroom	C103 SCHOOL Building Dormitory
C152 SCHOOL Building Multi-Purpose School	C176 SCHOOL Building Fraternity House
C153 SCHOOL Building Manual Arts	
C195 SCHOOL Building Laboratory	C150 SCHOOL Elementary
C196 SCHOOL Building Computer Center	C194 SCHOOL High

Structure Style and Building Type: Safety-Related

Keyword: SAFETY

C122 SAFETY Armory	
C145 SAFETY Jail	C186 TRANSPORT Hangar Storage
C147 SAFETY Fire Station	C202 TRANSPORT Passenger Terminal
C177 SAFETY Fire Station Volunteer	

Structure Style and Building Type: Public Property

Keyword: PUBLIC

C140 PUBLIC Government Building

Structure Style and Building Type: Other

Keyword: OTHER

C305 OTHER Building Per Square Foot

C225 OTHER Condominium Non-Residential

C306 OTHER Building Per Unit

C226 OTHER Special Use

CAMA Dataset: Building Subarea Codes

Subarea codes are used to identify the specific characteristics of building subareas found in a given building. The subarea codes and descriptions listed below are contained in these dataset fields:

	Parcel and Sale Dataset	CAMA Dataset
Subarea	CAMA Only >>>	SA_NAMSUBA and SA_DSCSUBA

Subarea Name: Residential

Keyword: SA RESI

A00 SA RESI Rental or Other Dwelling Pending Assessor Review

Structure Style: Number of Stories

Keyword: SA STRY

A01 SA STRY 1 Story No Basement

A07 SA STRY 2 1/2 Story No Basement

A02 SA STRY 1 Story With Basement

A08 SA STRY 2 1/2 Story With Basement

A03 SA STRY 1 1/2 Story No Basement

A09 SA STRY 3 Story No Basement

A04 SA STRY 1 1/2 Story With Basement

A10 SA STRY 3 Story With Basement

A05 SA STRY 2 Story No Basement

A11 SA STRY 4 Story No Basement

A06 SA STRY 2 Story With Basement

A12 SA STRY 4 Story With Basement

A13 SA STRY Split Foyer

Subarea Name: Commercial Base Area

Keyword: SA COMM

BAS SA COMM Base Area for Commercial Buildings

Subarea Name: Condominium Subarea

Keyword: SA CNDO

CND SA CNDO Condominium Subarea

Subarea Name: Breezeway

Keyword: SA BRZW

F18 SA BRZW Breezeway Open

F19 SA BRZW Breezeway Enclosed

Subarea Name: Greenhouse Attached/Residential

Keyword: SA GHSE

F24 SA GHSE Greenhouse Attached/Residential

Subarea Name: Storage Attached

Keyword: SA STRG

F25 SA STRG Storage Attached

Subarea Name: Deck

Keyword: SA DECK

F60 SA DECK Deck

F61 SA DECK Deck With Roof

Subarea Name: Porch

Keyword: SA PRCH

F62 SA PRCH Porch No Roof

F65 SA PRCH Porch 3 Story Open

F63 SA PRCH Porch 1 Story Open

F66 SA PRCH Porch Enclosed

F64 SA PRCH Porch 2 Story Open

Subarea Name: Patio

Keyword: SA PTIO

F67 SA PTIO Patio Concrete

F71 SA PTIO Patio Stone

F68 SA PTIO Pation Concrete With Roof

F72 SA PTIO Patio Stone With Roof

F69 SA PTIO Pation Brick

F91 SA PTIO Patio Enclosed

F70 SA PTIO Patio Brick With Roof

Subarea Name: Attached Garage or Carport

Keyword: SA ATGR

F73 SA ATGR Attached Garage Frame

F76 SA ATGR Attached Garage Built-In

F74 SA ATGR Attached Garage Brick

F77 SA ATGR Attached Garage Basement

F75 SA ATGR Attached Garage Stone

F78 SA ATCP Attached Garage Carport

Subarea Name: Storage or Room Over

Keyword: SA STRM

RMO SA STRM Storage or Room Over a Portion of a Building

[Continue on to the next page for CAMA Land Type Codes >>>](#)

CAMA Dataset: Land Type Codes

Land Type codes are used to identify the various land types attached to a given parcel. The land type codes and descriptions listed below are contained in these dataset fields:

	Parcel and Sale Dataset	CAMA Dataset
Land	CAMA Only >>>	LD_NAMLAND and LD_DSCLAND

State Department of Assessments and Taxation land type code groups are:

Land Type codes that begin with: 11 are Primary Improved Residential land
 Land Type codes that begin with: 12 are Primary Vacant Residential land
 Land Type codes that begin with: 2 are Secondary Residential land
 Land Type codes that begin with: 3 are Tertiary Residential land
 Land Type codes that begin with: 9 are Override Codes (entered by Assessors)

Land Type codes that begin with: C are Commercial land
 Land Type codes that begin with: A are Agricultural land
 Land Type codes that begin with: N are Condominium land

Land Type codes that begin with M are county-specific land codes that are created by counties to be used for a specific type of property within a county. These codes should be phased out over time.

As mentioned in [Appendix D: CAMA Datasets](#), the CAMA Land Database is a summarized database – land types have been summarized for each range of individual codes available for a given land type by parcel account number and land unit of measure (LD_LNDLUOM). For example, a given parcel might have three individual Primary Residential Land records associated with the parcel account number, where the land type code range runs from 1101 through and including 1132.

If all of these parcel records are expressed in acres (LD_LNDLUOM) the three records would be summarized to a single record with a land type (LD_NAMLAND) of **1101_1132**, a land type description (LD_DSCNAME) of **LD RESI Primary Residential Land** and a single land size in acres with a land unit of measure of **AC**. However, if one of these parcel records is expressed as a site (LD_LNDLUOM), the three parcel records would be summarized to two records, both with a land type (LD_NAMLAND) of **1101_1132** and a land type description (LD_DSCNAME) of **LD RESI Primary Residential Land** but with a two different land sizes, one in acres with a land unit of measure of **AC** and one as a site count with a land unit of measure of **ST**.

Land Type: Agricultural Land

Keyword: LD AGRI

A010 LD AGRI Class 2 Farm Land
 A029_A089 LD AGRI Class 3 Farm Land
 MW21 LD EXMT AGRI Exempt Agricultural Land
 also listed under EXMT

Land Type: Cemetery Land

Keyword: LD BURY

MW27_MW28 LD BURY Cemetery Land

Land Type: Commercial Land		Keyword: LD COMM
C000_C550	LD COMM Commercial Land	
Land Type: Condominium Land		Keyword: LD CNDO
N000_N652	LD CNDO Condominium Land	
Land Type: Developable Land		Keyword: LD DEVL
MW29_MW39	LD DEVL Developable Land	
Land Type: Environmental Trust Land		Keyword: LD ENVR
A011	LD ENVR Environmental Trust Land	
Land Type: Excess Land		Keyword: LD EXCS
MG01_MG10 MV01	LD EXCS Excess Land	
Land Type: Bulk (Excess) Land		Keyword: LD BULK
MN91	LD BULK Bulk Land, same as or similar to Excess Land	
Land Type: Exempt Land		Keyword: LD EXMT
MW21	LD EXMT AGRI Exempt Agricultural Land also listed under AGRI	
MW22	LD EXMT FCMA Exempt Forest Conservation Management Area (FCMA) also listed under FCMA	
MW23_MW24	LD EXMT Exempt Woodland	
MW25_MW26	LD EXMT Exempt Marshland	
Land Type: Floodplain		Keyword: LD FLOD
MV02	LD FLOD Floodplain	
Land Type: Forest Conservation Management Area (FCMA) Land		Keyword: LD FCMA
A001_A009 MW22	LD FCMA Forest Conservation Management Area LD EXMT FCMA Exempt Forest Conservation Management Area (FCMA) also listed under EXMT	

Land Type: Homesite Land		Keyword: LD HOME
MM01_MM13	LD HOME Homesite Land	
Land Type: Island		Keyword: LD ISLD
MV03	LD ISLD Island	
Land Type: Marshland		Keyword: LD MRSH
A090	LD MRSH Marshland	
Land Type: Non-Recreational Land		Keyword: LD NREC
MB01	LD NREC Non-Recreational Land	
Land Type: Residential Land		Keyword: LD RESI
1101_1132	LD RESI Residential Primary Improved Land	
1201_1227	LD RESI VCNT Residential Primary Vacant Land also listed under VCNT	
2001_2014	LD RESI Residential Secondary Land	
3001_3023	LD RESI Residential Tertiary Land	
Land Type: Residual Land		Keyword: LD RSID
MW01_MW20	LD RSID Residual Land	
Land Type: Swamp Land		Keyword: LD SWMP
SWMP_LAND	LD SWMP Swamp Land	
Land Type: Vacant Land		Keyword: LD VCNT
VCNT	LD VCNT Vacancy Allowance Land	
1201_1227	LD RESI VCNT Residential Primary Vacant Land also listed under RESI	
Land Type: Other Land		Keyword: LD OTHR
MA90_MX90	LD OTHR Other Land	

Land Type: Override Codes (entered by Assessor)

Keyword: LD OVRD

9997	LD OVRD Override Commercial Extra Feature Outbuilding Land
9998	LD OVRD Override Commercial Land
9999	LD OVRD Override Residential Land

Land Type: Null and No Data Codes

Keyword: LD NULL

0000	LD NULL No Land Type Code Assigned
A000	LD NULL Series A Land No Data Available
MH91 ML01	LD NULL No Data Available

Land Type: Unused Code Ranges

Keyword: LD OTHR

A012_A028	This code is not used by Assessments
MW41_MW48	This code is not used by Assessments