

Methods

This buildout analysis is used to determine developable land area for both commercial and industrial zoning districts. Digital and hard copy data is collected. Digital zoning data is updated. Other existing digital data is gathered from a variety of sources including MasGIS, the community, Massachusetts Highway Department, and federal sources. Zoning, open space, land use, hydrography, environmentally sensitive areas, wetlands, Rivers Protection Act buffers, flood zones, slope, soil, orthophotography, rail lines, road networks, and political boundaries are utilized to different degrees. Additional layers are created that included miscellaneous features that were determined to be undevelopable, an update of the most recent MacConnell Land Use, and a layer of recent subdivisions since the last MacConnell update.

The developed land data is from the aggregated land use categories in the MacConnell Land Use layer provided by MasGIS. The aggregated developed land categories are speculative and water-based recreation, residential, commercial, industrial, transportation, and waste disposal.

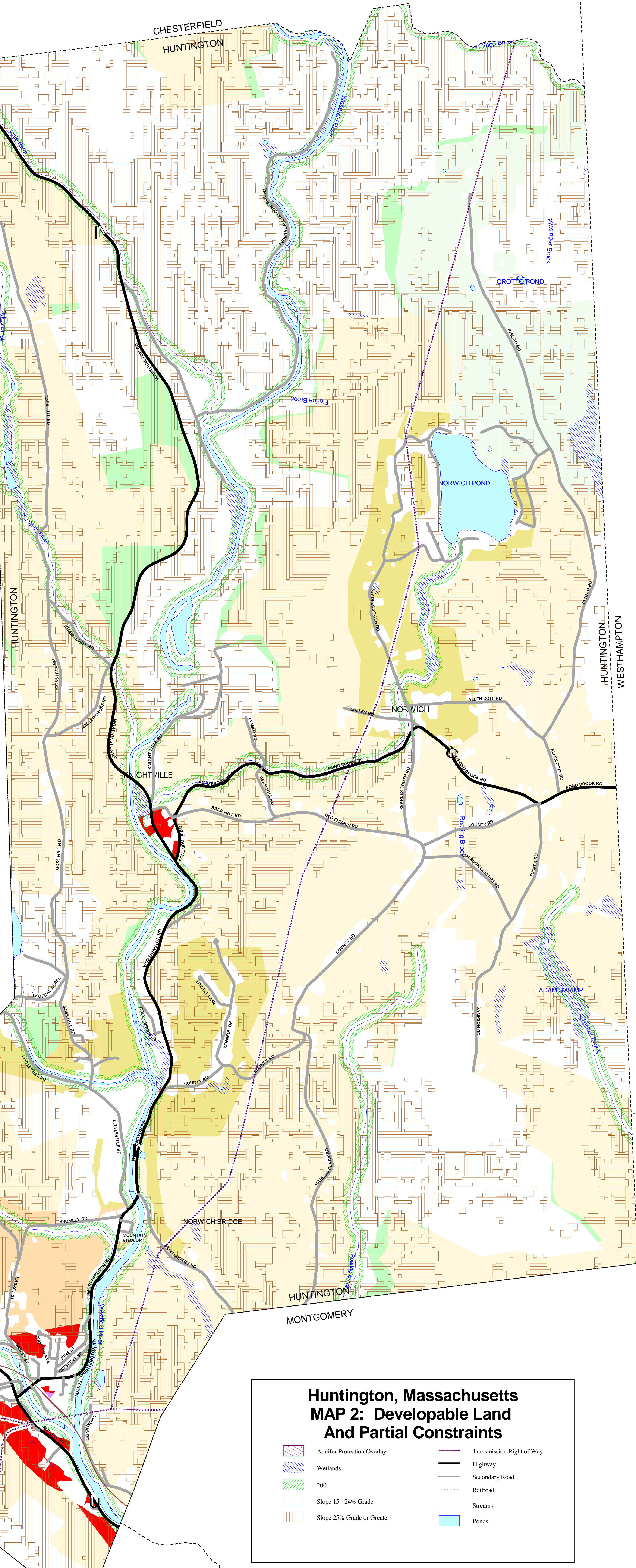
The GIS analysis consisted of subtracting layers from zoning. The remaining developable land area represented on MAP 2 is aggregated by zoning category.

To determine the number of future buildable residential lots by zoning category a formula was developed to determine the land requirements of a typical lot in each category. The land requirements factor in required frontage multiplied by half the road right-of-way to determine road area. This figure varies from zone to zone. Additionally 10% is subtracted from each zone to cover miscellaneous variables such as odd lot shapes. Commercial and industrial buildable lots were determined using an "effective" floor area ratio technique.

The analysis determines developable square feet of commercial and industrial areas. For each commercial and industrial zoning district, the major alternative land uses were examined in relation to the height limitations, maximum allowable percent lot coverage and parking requirements. An effective floor area ratio (FAR) for all use categories (e.g., offices, warehousing) in a particular district is developed for analysis purposes. An effective FAR for a district is estimated by averaging the FARs for the various potential land use types.

Note that where FARs are not detailed for zoning districts in the by-laws an estimated FAR is derived for similar zoning districts by multiplying the percent lot coverage by the number of 10-foot tall stores that could be constructed. Effective limitations on total square footages caused by the required amount of parking with each use is also factored in.

TOWN OF HUNTINGTON													
Zoning District	Industrial	Commercial	Residential	Public	Unzoned	Water	Wetlands	Streams	Other				
Residence 20	4,413,025	129,44	139	138	3,79	122,078	3,370	212	18,300	100,00	45	1,07	17,06
Residence 10	15,453,718	42,917	130	208	0,25	513,886	29,428	25	27,525	186,38	74	2,06	134,04
Residence 5	14,824,237	34,30	3	3	0,000	4,311	271,30	7	900	3,79	1	0,00	2,98
Business	38,003,546	802,58	484	484	1,375	24,301	54,381	1,507	36,048	679,49	284	30,54	47,07
Office	14,824,237	34,30	3	3	0,000	4,311	271,30	7	900	3,79	1	0,00	2,98
Community	15,453,718	42,917	130	208	0,25	513,886	29,428	25	27,525	186,38	74	2,06	134,04
Light Industrial	14,824,237	34,30	3	3	0,000	4,311	271,30	7	900	3,79	1	0,00	2,98
Central Business	14,824,237	34,30	3	3	0,000	4,311	271,30	7	900	3,79	1	0,00	2,98
Industrial	14,824,237	34,30	3	3	0,000	4,311	271,30	7	900	3,79	1	0,00	2,98
Unzoned	14,824,237	34,30	3	3	0,000	4,311	271,30	7	900	3,79	1	0,00	2,98
Water	14,824,237	34,30	3	3	0,000	4,311	271,30	7	900	3,79	1	0,00	2,98
Wetlands	14,824,237	34,30	3	3	0,000	4,311	271,30	7	900	3,79	1	0,00	2,98
Streams	14,824,237	34,30	3	3	0,000	4,311	271,30	7	900	3,79	1	0,00	2,98
Other	14,824,237	34,30	3	3	0,000	4,311	271,30	7	900	3,79	1	0,00	2,98
Total	418,015,867	10,000	3,000	3,000	7,000,000	100,000,000	1,000,000	1,000	1,000,000	1,000,000	1,000	1,000	1,000,000



Huntington, Massachusetts MAP 2: Developable Land And Partial Constraints

- Aquifer Protection Overlay
- Wetlands
- 200
- Slope 15 - 24% Grade
- Slope 25% Grade or Greater
- Transmission Right of Way
- Highway
- Secondary Road
- Railroad
- Streams
- Ponds

