Water Systems Improvements

Mansfield Public Schools

May 17, 2012

Water Systems Improvements

<u>Locations</u>

Three Elementary Schools…

Goodwin Southeast

Vinton

and Mansfield Middle School

Water Systems Improvements

- *Improvements Involved …*
  - Float Controls
  - Energy Efficient Variable Speed Pumps for pressure control
  - Separate testing taps for water quality
  - Water meters to measure each well's output and each school's usage
  - Outcome: we use about seven (7) gallons per day per student

Water Systems Improvements

- Current Status –

Excellent!

- Locations have two functioning wells –
  - *Each well is restricted to a maximum output of ten (10) gallons per minute per state requirements*

Water Systems Improvements

- Additional Stats –
  - Each well is between 400-500 feet deep. Submersible well pumps are located 300 feet down.
  - Each system has a 5,000 gallon storage tank

- If needed, every school has a third state approved site for a new well.

Water Systems Improvements

- Inspected and approved by Inspector from State of Connecticut Department of Public Health, Drinking Water Division

- Inspector commented they were the best systems he had ever inspected.

Water Systems Improvements

- Question: to determine if system will cover for a 375 student population
- Procedure takes a formal application, which is quite lengthy
- Very site specific

Water Systems Improvements

- *CONCLUSIONS ON CURRENT SYSTEMS:*
- Mr. Ron Black of Water Solutions Inc. has given his opinion that our water well systems are good for 400 students as they now exist.

- However, final determination has to be made by the State Department of Public Health, Drinking Water Division.

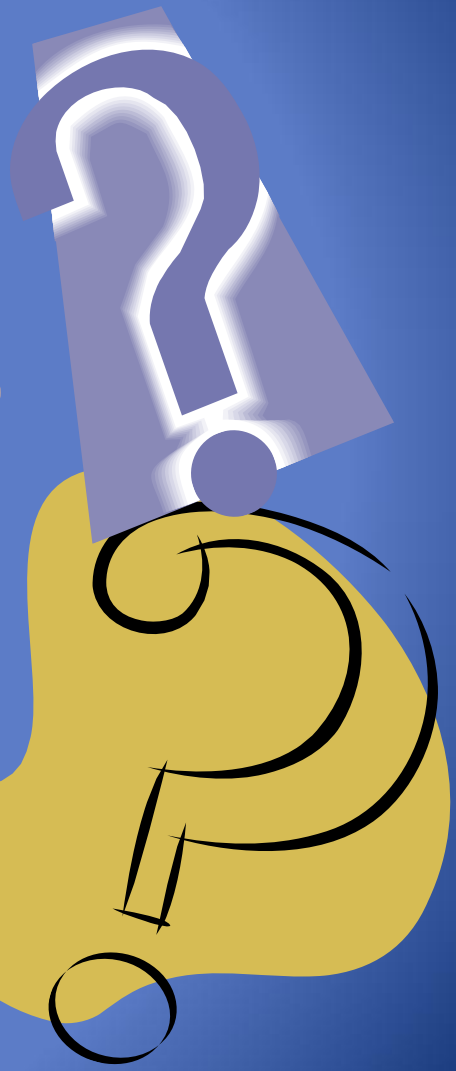
Water Systems Improvements

- *Worse case scenario …*
  - We would have to drill another well
  - We would have to install a bigger pump to move the water to a new school location
  - We would have to install another water storage tank

Water Systems Improvements

- *Water Quality Issues –*
  - Water is tested quarterly, by an independent lab, for bacteria
  - Water is tested annually for metals
  - Both Allen Corson and Bill Hammon are certified by the State of Connecticut as Small System Water Operators
  - Most problems in our water system were created by old plumbing in the schools. We have actively solved those problems.

Water Systems Improvements



Questions?

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SEPTIC SUITABILITY ANALYSIS

PREPARED FOR
TOWN OF MANSFIELD

USGS TOPO
QUAD #41
SPRING HILL, CT

N
W E
S

0 500 1,000 2,000 3,000 Feet

FIGURE
1: SITE LOCATION

PROJECT	DATE
486-04	NOV 2009

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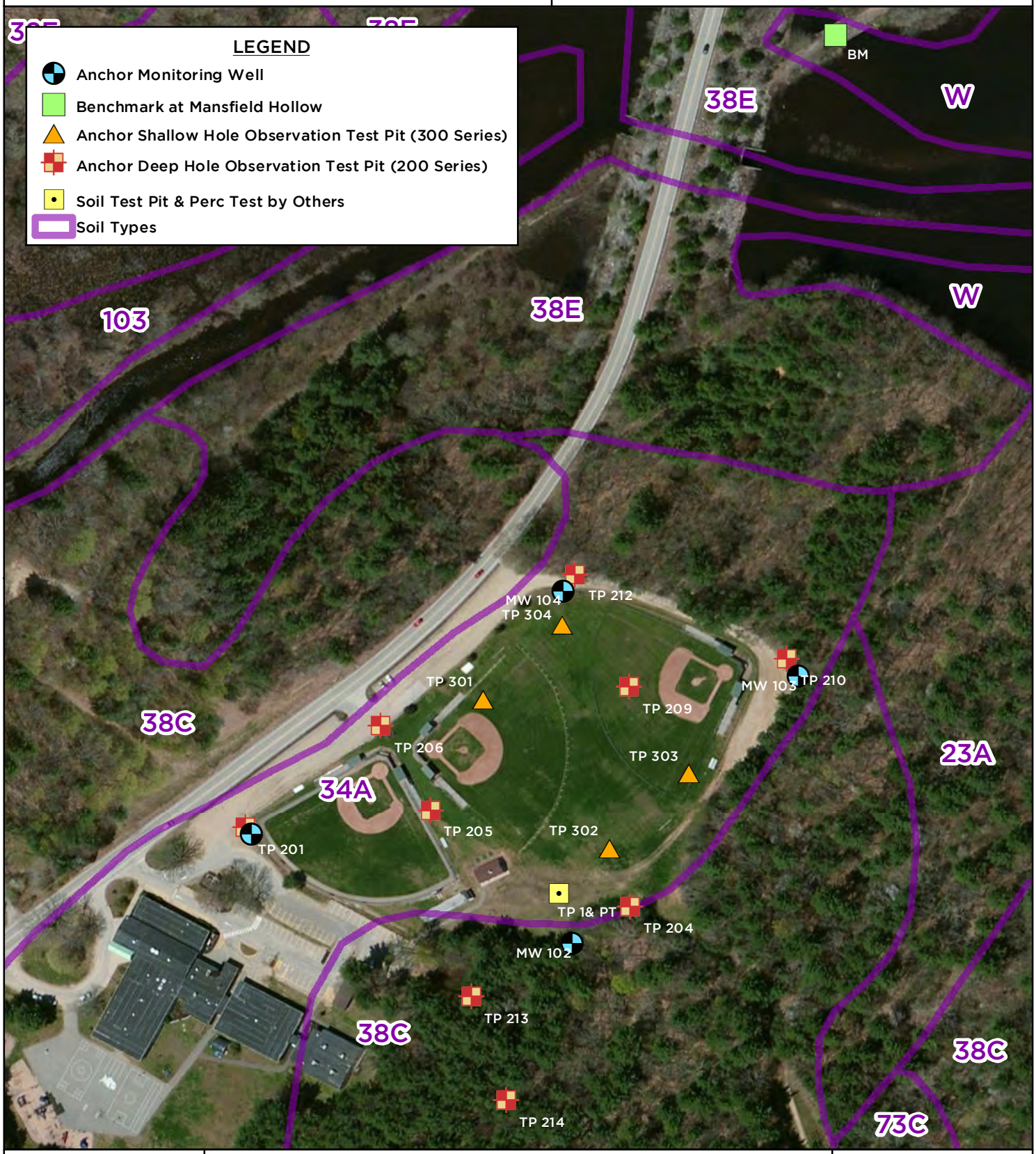
SEPTIC SUITABILITY ANALYSIS

PREPARED FOR TOWN OF MANSFIELD



BING ONLINE AERIAL 2012

N W E S

0 100 200 400 600 Feet

FIGURE
4: SOIL TYPES

PROJECT	DATE
486-04	NOV 2009

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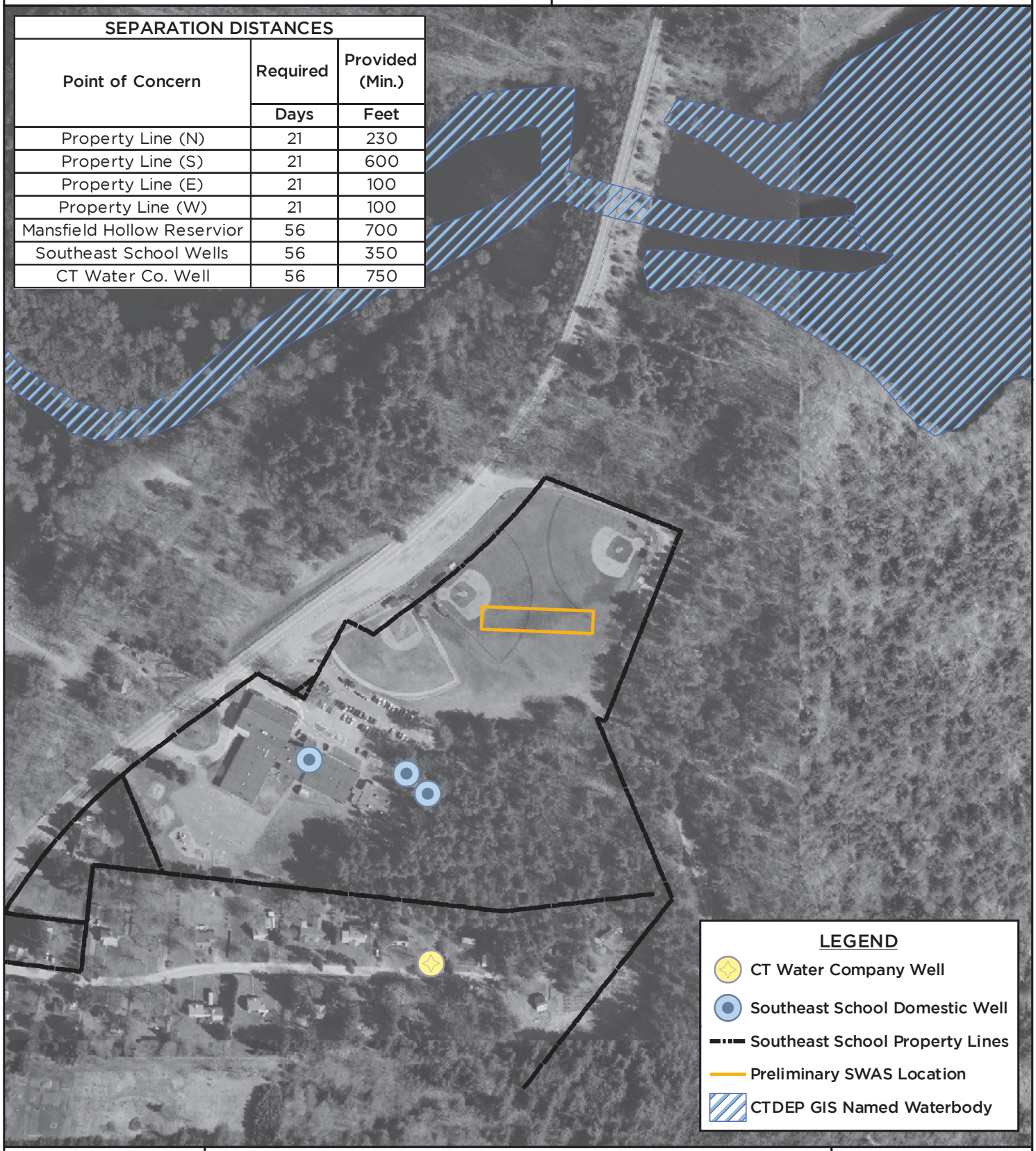
SEPTIC SUITABILITY ANALYSIS

PREPARED FOR TOWN OF MANSFIELD



SEPARATION DISTANCES

Point of Concern	Required	Provided (Min.)
	Days	Feet
Property Line (N)	21	230
Property Line (S)	21	600
Property Line (E)	21	100
Property Line (W)	21	100
Mansfield Hollow Reservior	56	700
Southeast School Wells	56	350
CT Water Co. Well	56	750

CONNDOT 2004
AERIAL IMAGERY
0410720412_4 & 7
0410720413_6 & 9

N W E S

0 150 300 600 900 Feet

FIGURE
7: POINTS OF CONCERN

PROJECT	DATE
486-04	NOV 2009

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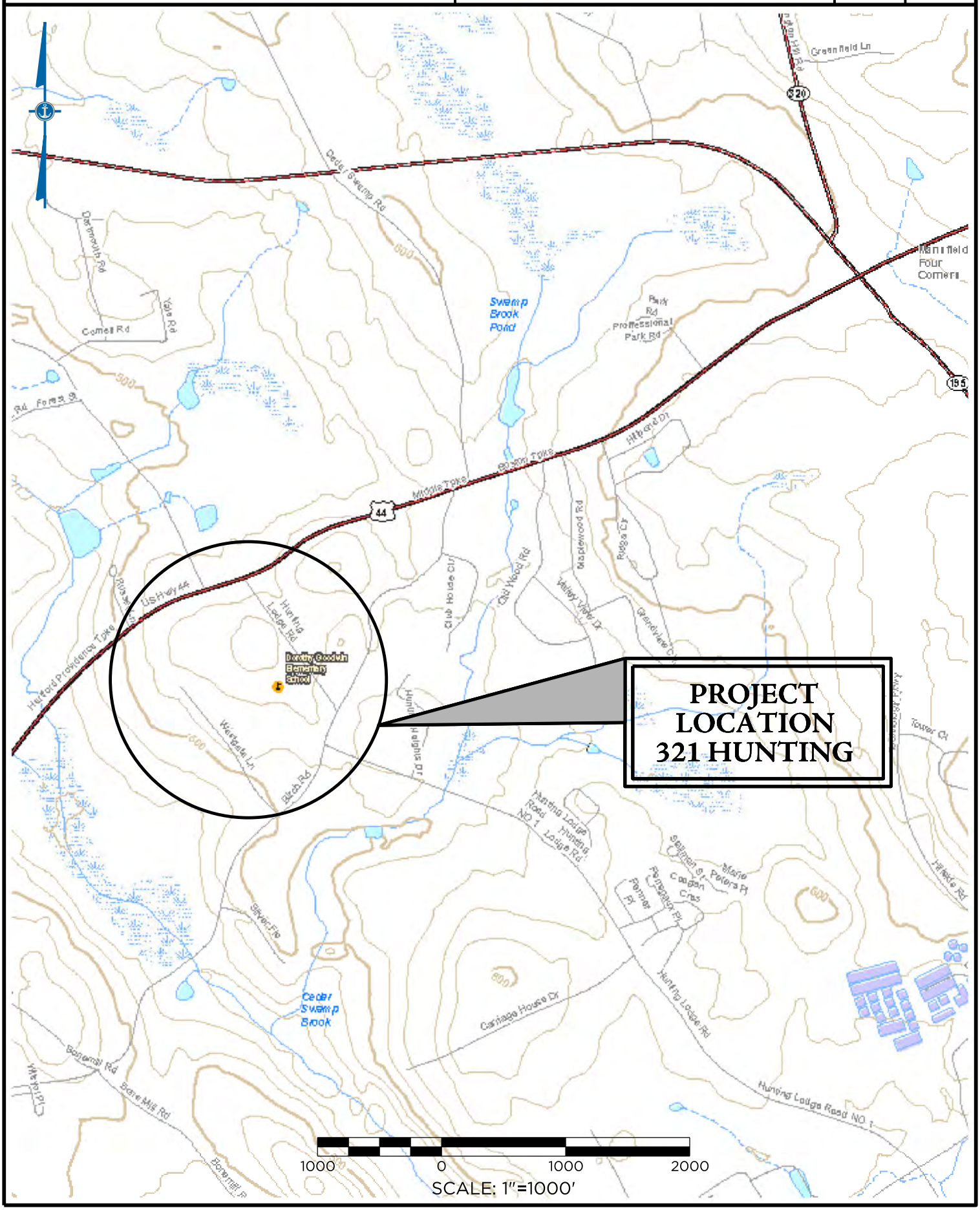
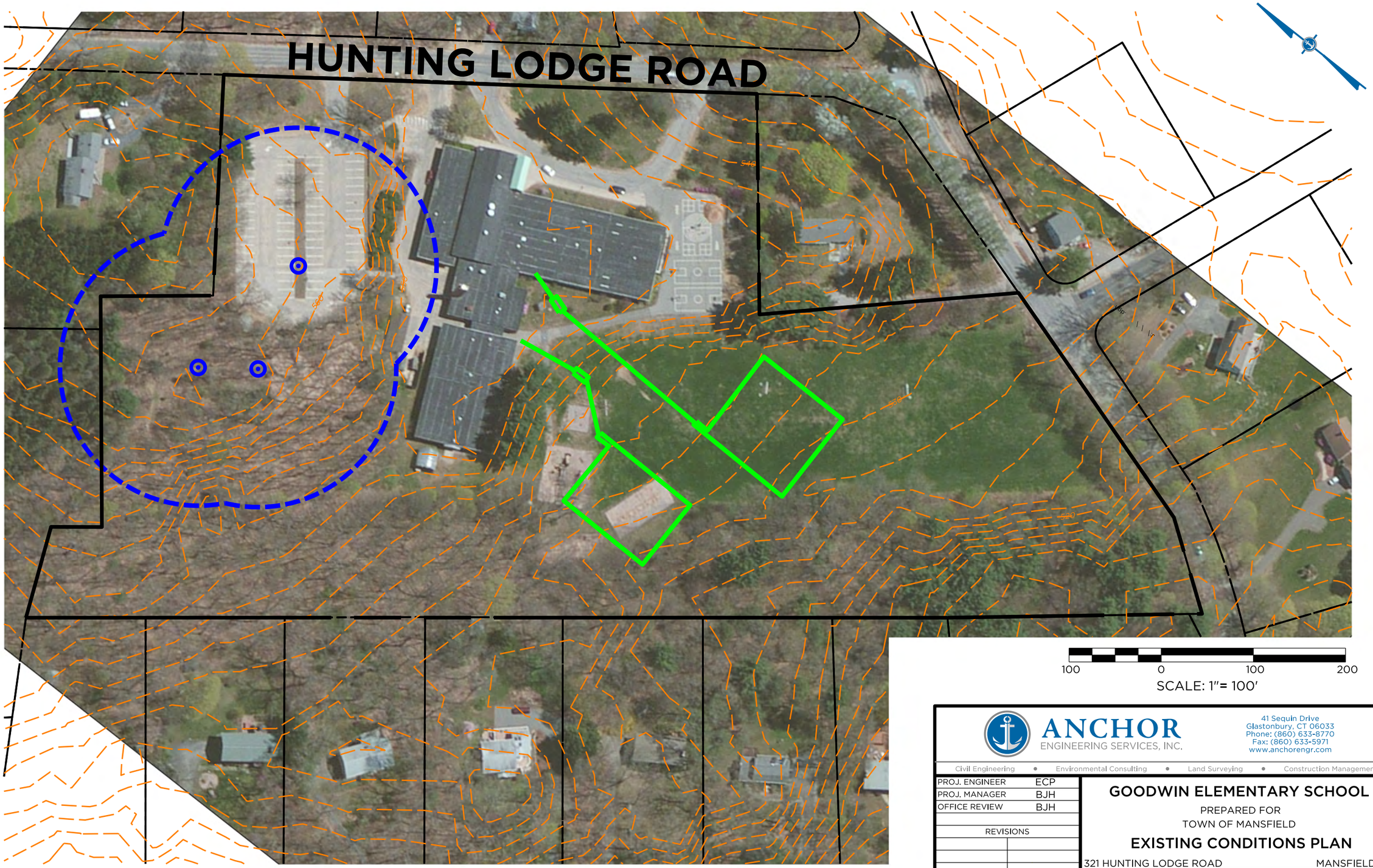
SITE LOCATION MAP

GOODWIN ELEMENTARY SCHOOL
321 HUNTING LODGE ROAD

FIGURE 1

PROJECT	DATE
486-05	4/18/12





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PROJ. MANAGER	BJH
OFFICE REVIEW	BJH
REVISIONS	
SCALE:	1"=100'

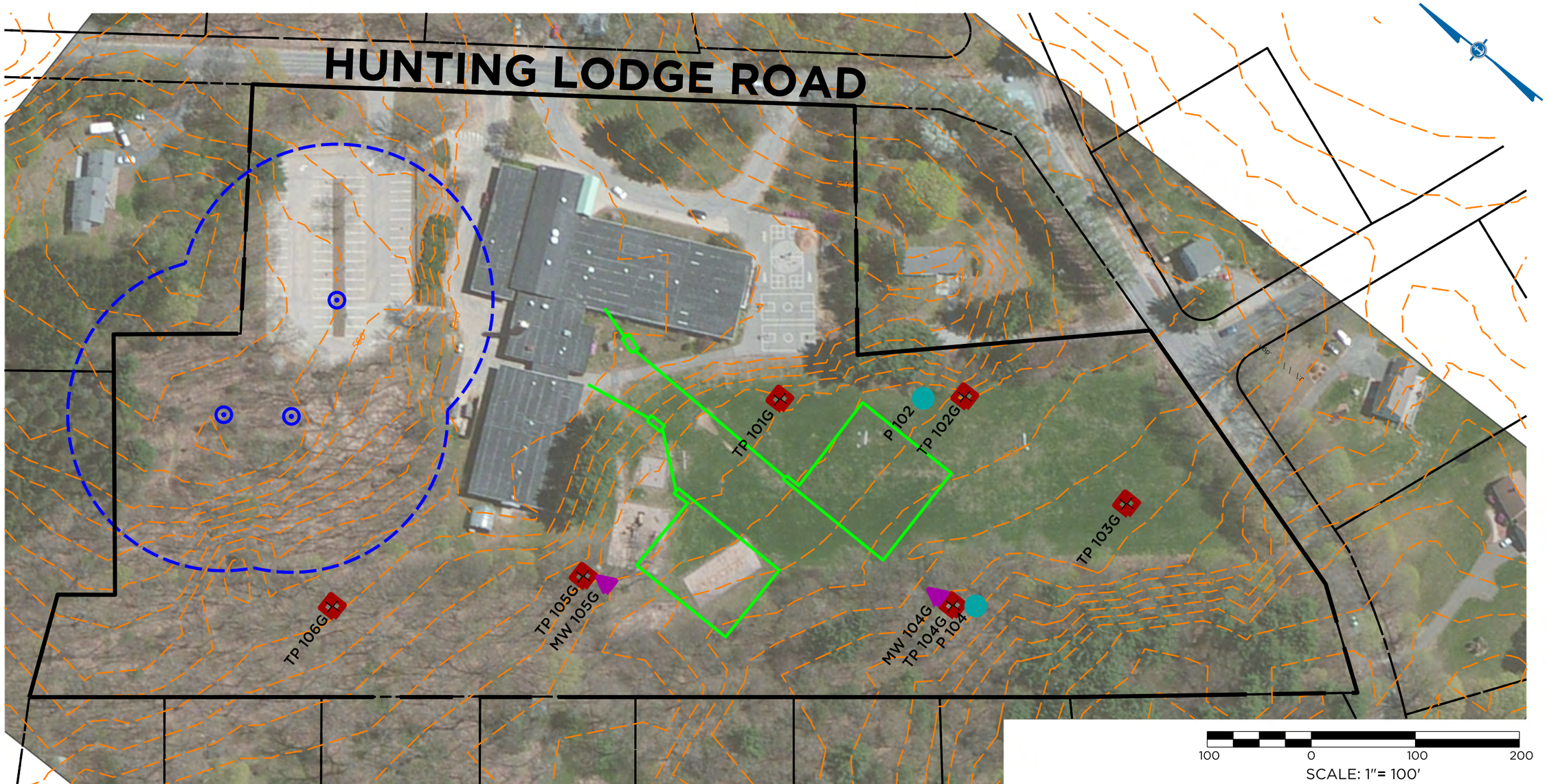
GOODWIN ELEMENTARY SCHOOL

PREPARED FOR
TOWN OF MANSFIELD

EXISTING CONDITIONS PLAN

321 HUNTING LODGE ROAD — MANSFIELD, CT

PROJECT	DATE	FIGURE
486-05	5/17/12	2



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REVISIONS	
SCALE:	1"=100'

GOODWIN ELEMENTARY SCHOOL

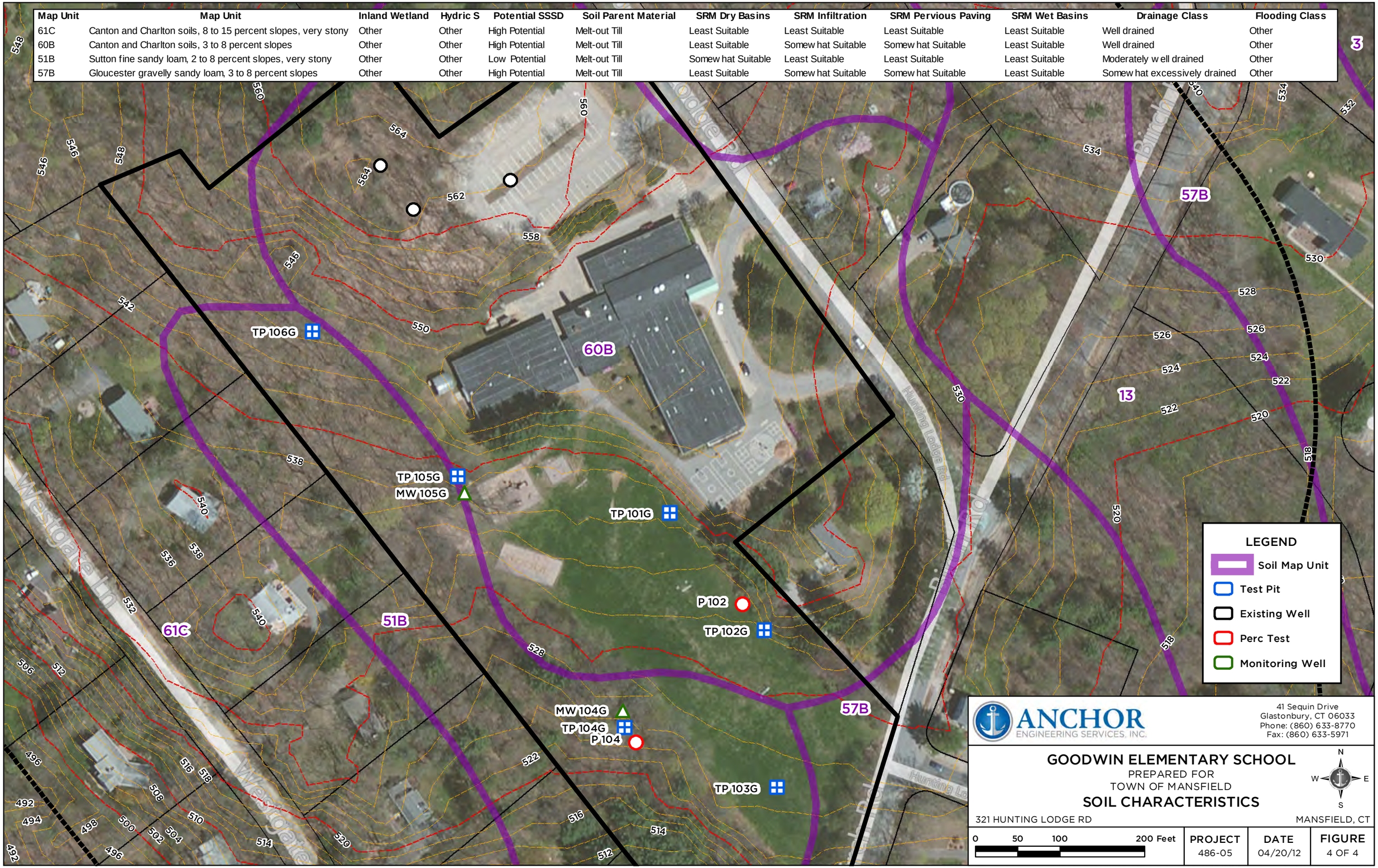
PREPARED FOR
TOWN OF MANSFIELD

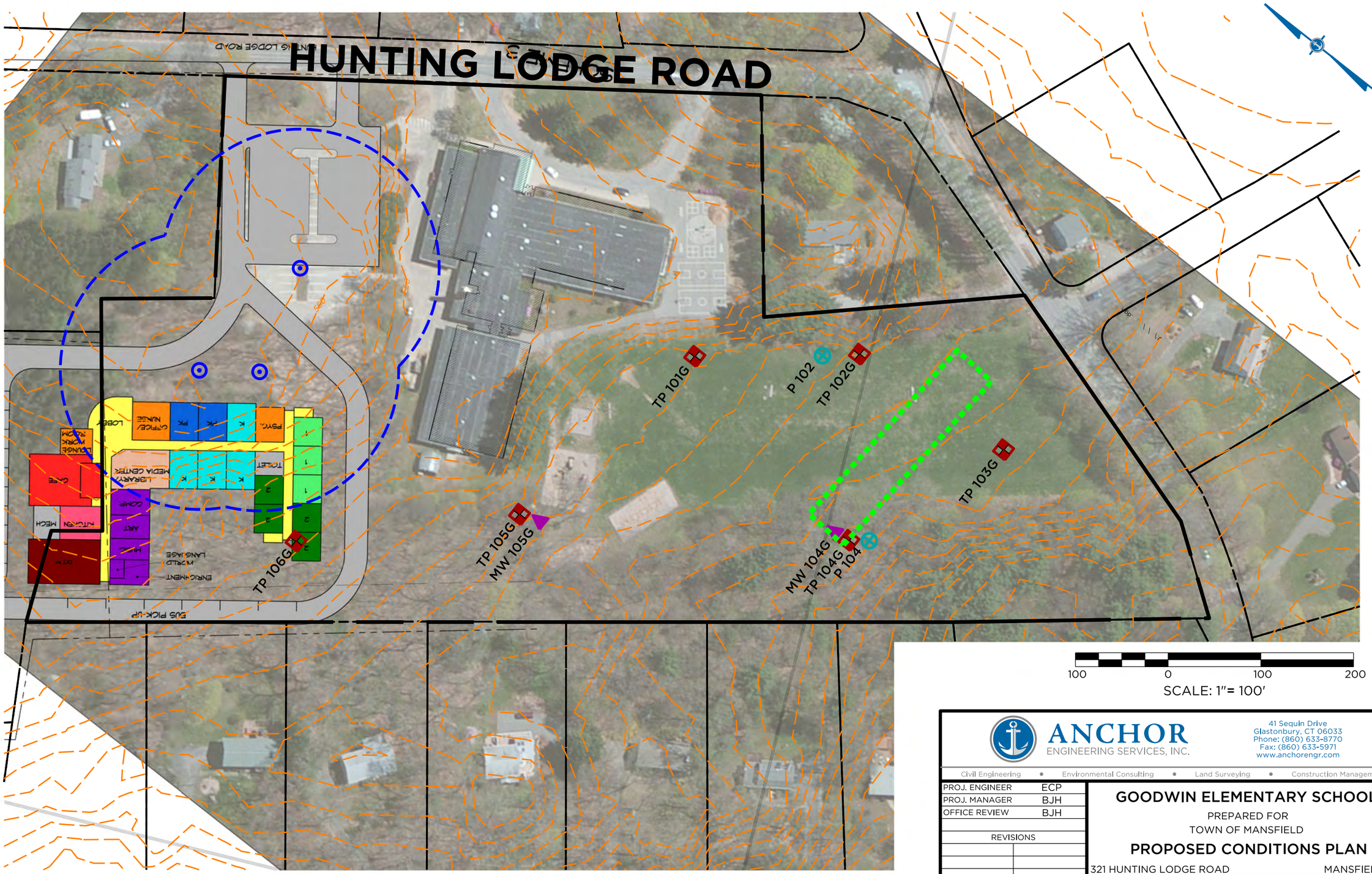
SOIL TEST LOCATION PLAN

321 HUNTING LODGE ROAD — MANSFIELD, CT

PROJECT	DATE	FIGURE
486-05	5/17/12	3

Map Unit	Map Unit	Inland Wetland	Hydric S	Potential SSSD	Soil Parent Material	SRM Dry Basins	SRM Infiltration	SRM Pervious Paving	SRM Wet Basins	Drainage Class	Flooding Class
61C	Canton and Charlton soils, 8 to 15 percent slopes, very stony	Other	Other	High Potential	Melt-out Till	Least Suitable	Least Suitable	Least Suitable	Least Suitable	Well drained	Other
60B	Canton and Charlton soils, 3 to 8 percent slopes	Other	Other	High Potential	Melt-out Till	Least Suitable	Somew hat Suitable	Somew hat Suitable	Least Suitable	Well drained	Other
51B	Sutton fine sandy loam, 2 to 8 percent slopes, very stony	Other	Other	Low Potential	Melt-out Till	Somew hat Suitable	Least Suitable	Least Suitable	Least Suitable	Moderately w ell drained	Other
57B	Gloucester gravelly sandy loam, 3 to 8 percent slopes	Other	Other	High Potential	Melt-out Till	Least Suitable	Somew hat Suitable	Somew hat Suitable	Least Suitable	Somew hat excessively drained	Other





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GOODWIN ELEMENTARY SCHOOL

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PROPOSED CONDITIONS PLAN

321 HUNTING LODGE ROAD — MANSFIELD, CT

PROJECT	DATE	FIGURE
486-05	5/17/12	4

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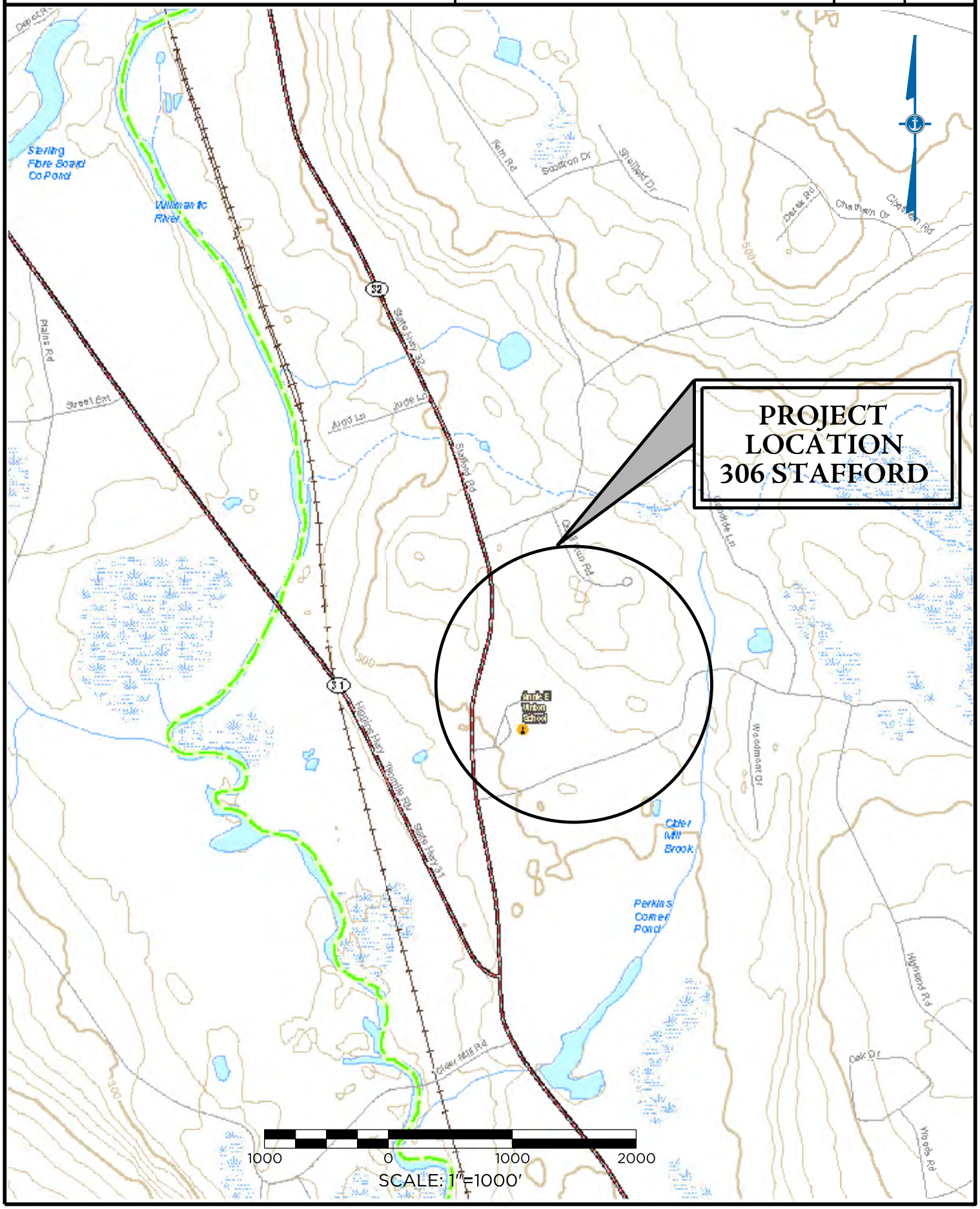
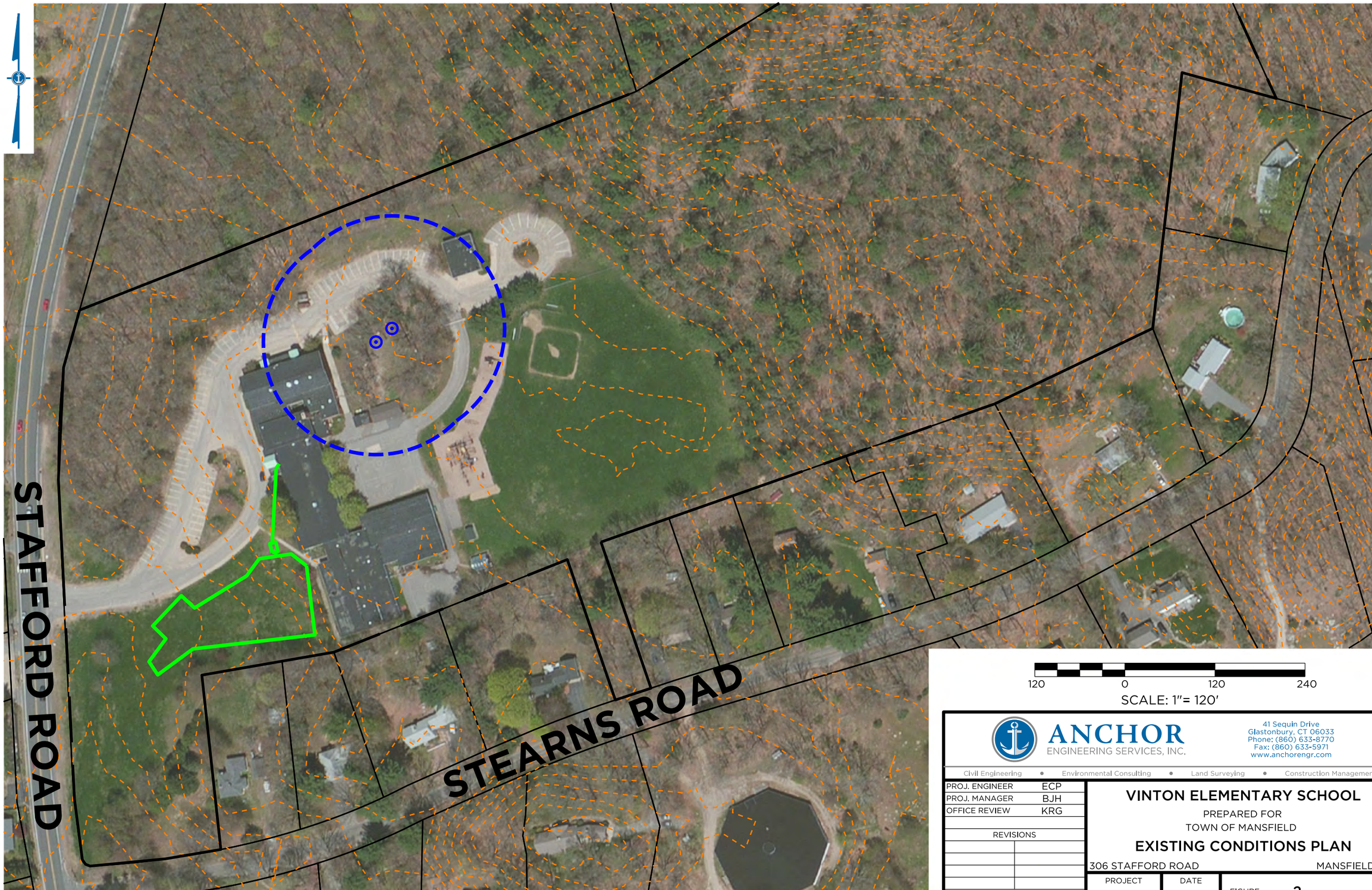
SITE LOCATION MAP

VINTON ELEMENTARY SCHOOL
306 STAFFORD ROAD

FIGURE 1

PROJECT	DATE
486-06	4/18/12





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REVISIONS	
SCALE:	1"=120'

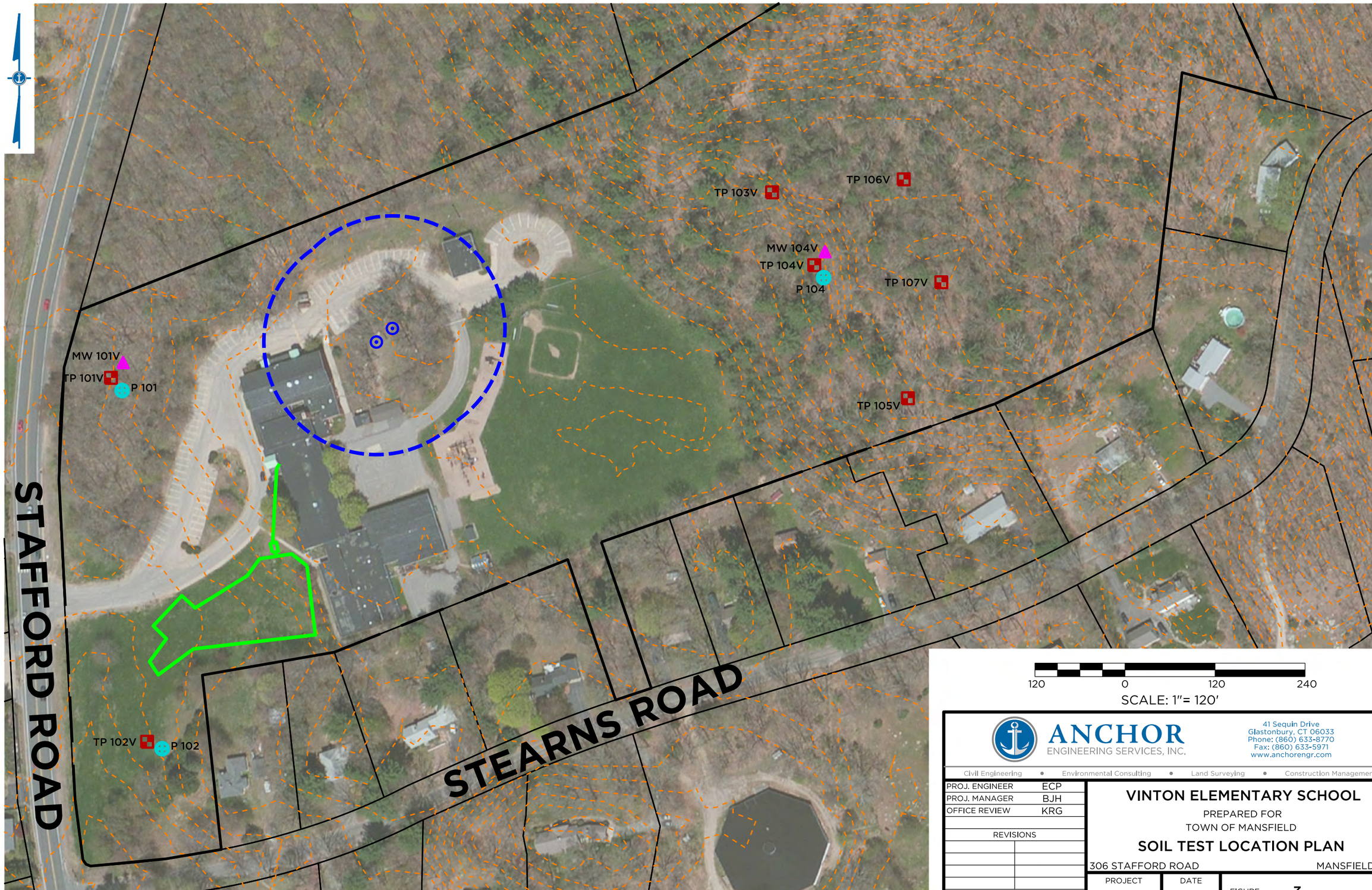
VINTON ELEMENTARY SCHOOL

PREPARED FOR
TOWN OF MANSFIELD

EXISTING CONDITIONS PLAN

306 STAFFORD ROAD — MANSFIELD, CT

PROJECT	DATE	FIGURE
486-06	5/17/12	2



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VINTON ELEMENTARY SCHOOL

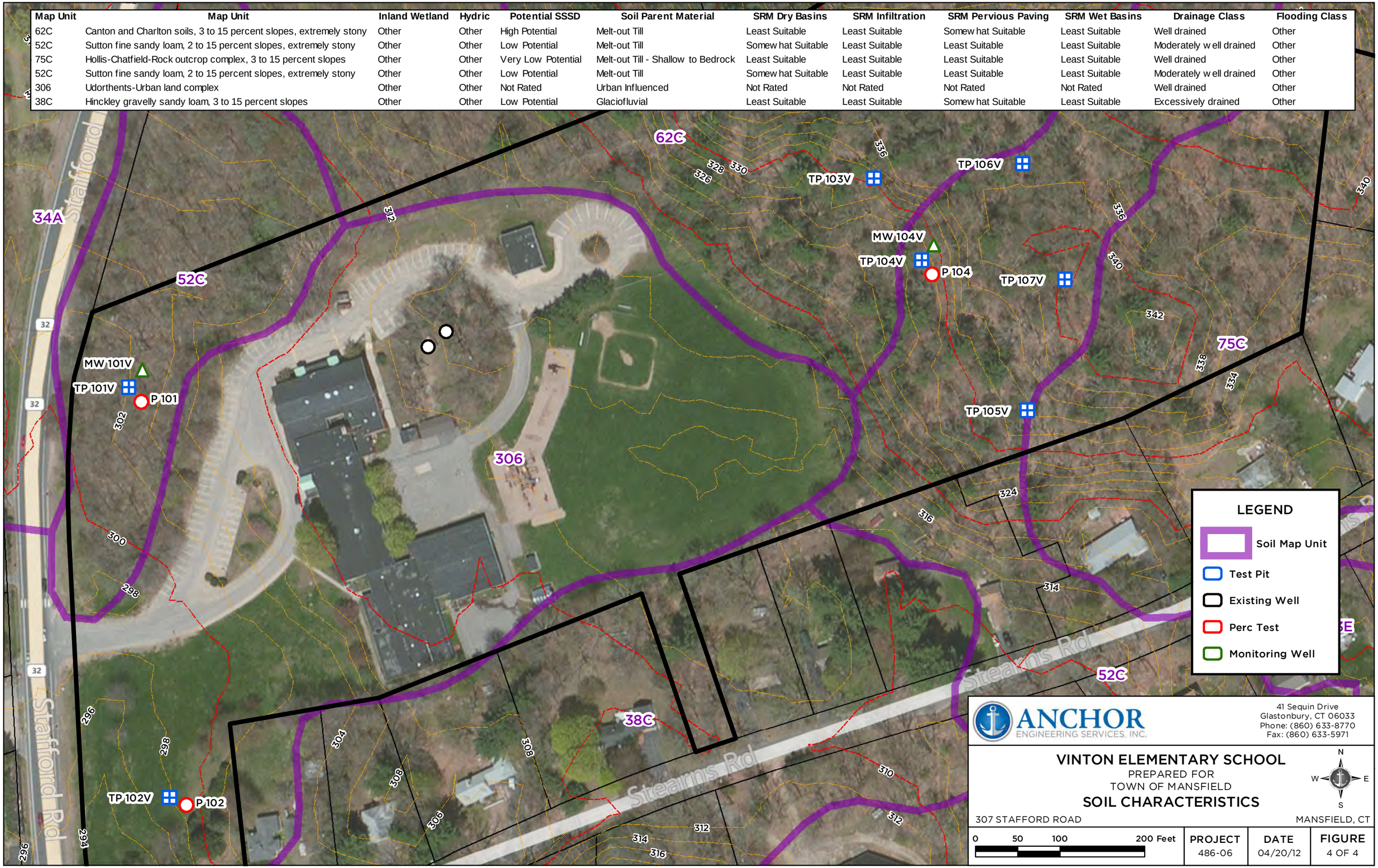
PREPARED FOR
TOWN OF MANSFIELD

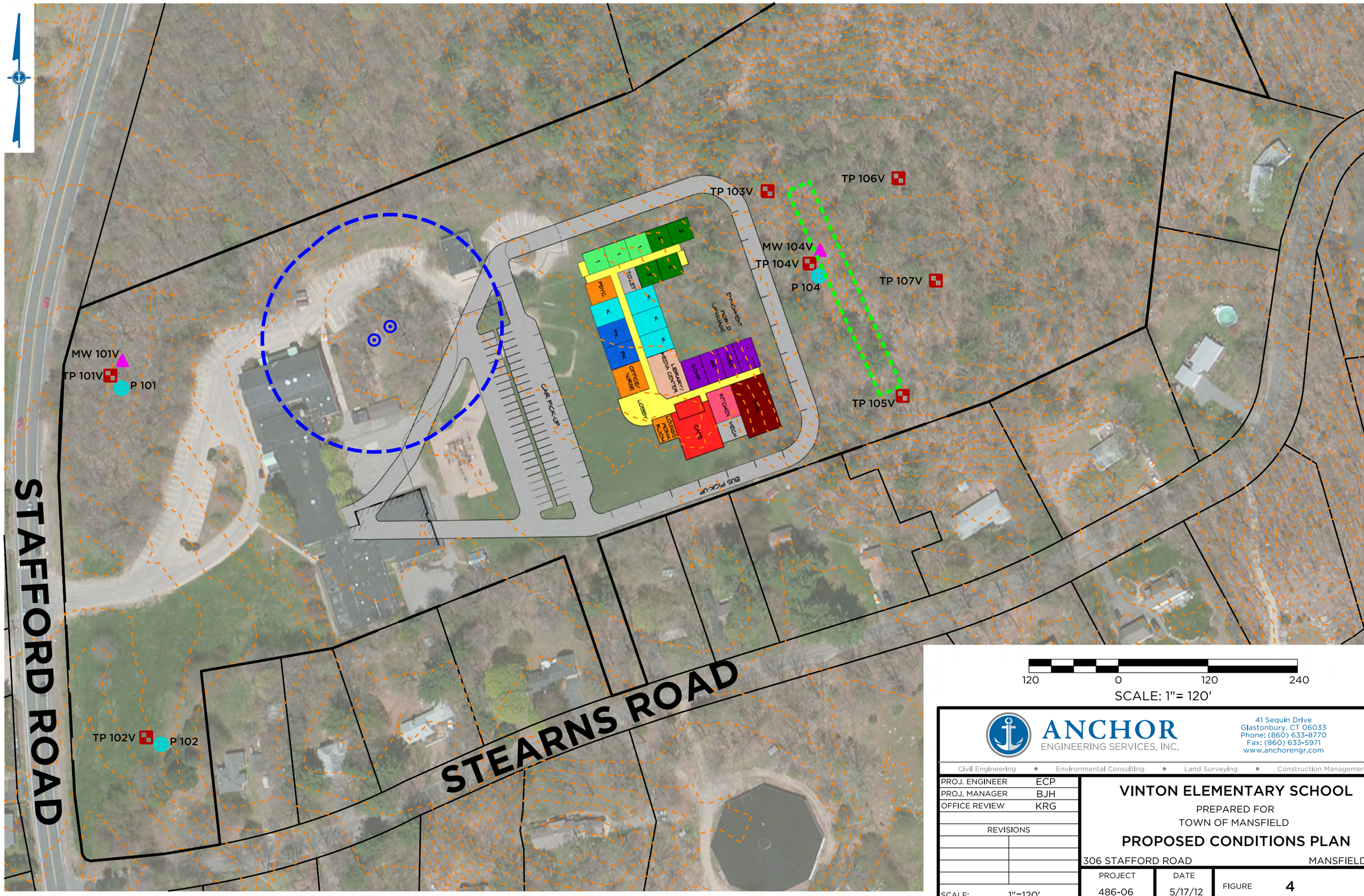
SOIL TEST LOCATION PLAN

306 STAFFORD ROAD — MANSFIELD, CT

PROJECT	DATE	FIGURE
486-06	5/17/12	3

Map Unit	Map Unit	Inland Wetland	Hydric	Potential SSSD	Soil Parent Material	SRM Dry Basins	SRM Infiltration	SRM Pervious Paving	SRM Wet Basins	Drainage Class	Flooding Class
62C	Canton and Charlton soils, 3 to 15 percent slopes, extremely stony	Other	Other	High Potential	Melt-out Till	Least Suitable	Least Suitable	Somewhat Suitable	Least Suitable	Well drained	Other
52C	Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony	Other	Other	Low Potential	Melt-out Till	Somewhat Suitable	Least Suitable	Least Suitable	Least Suitable	Moderately well drained	Other
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	Other	Other	Very Low Potential	Melt-out Till - Shallow to Bedrock	Least Suitable	Least Suitable	Least Suitable	Least Suitable	Well drained	Other
52C	Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony	Other	Other	Low Potential	Melt-out Till	Somewhat Suitable	Least Suitable	Least Suitable	Least Suitable	Moderately well drained	Other
306	Udorthents-Urban land complex	Other	Other	Not Rated	Urban Influenced	Not Rated	Not Rated	Not Rated	Not Rated	Well drained	Other
38C	Hinckley gravelly sandy loam, 3 to 15 percent slopes	Other	Other	Low Potential	Glaciofluvial	Least Suitable	Least Suitable	Somewhat Suitable	Least Suitable	Excessively drained	Other





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SCALE: 1"=120'

VINTON ELEMENTARY SCHOOL

PREPARED FOR
TOWN OF MANSFIELD

PROPOSED CONDITIONS PLAN

306 STAFFORD ROAD MANSFIELD, CT

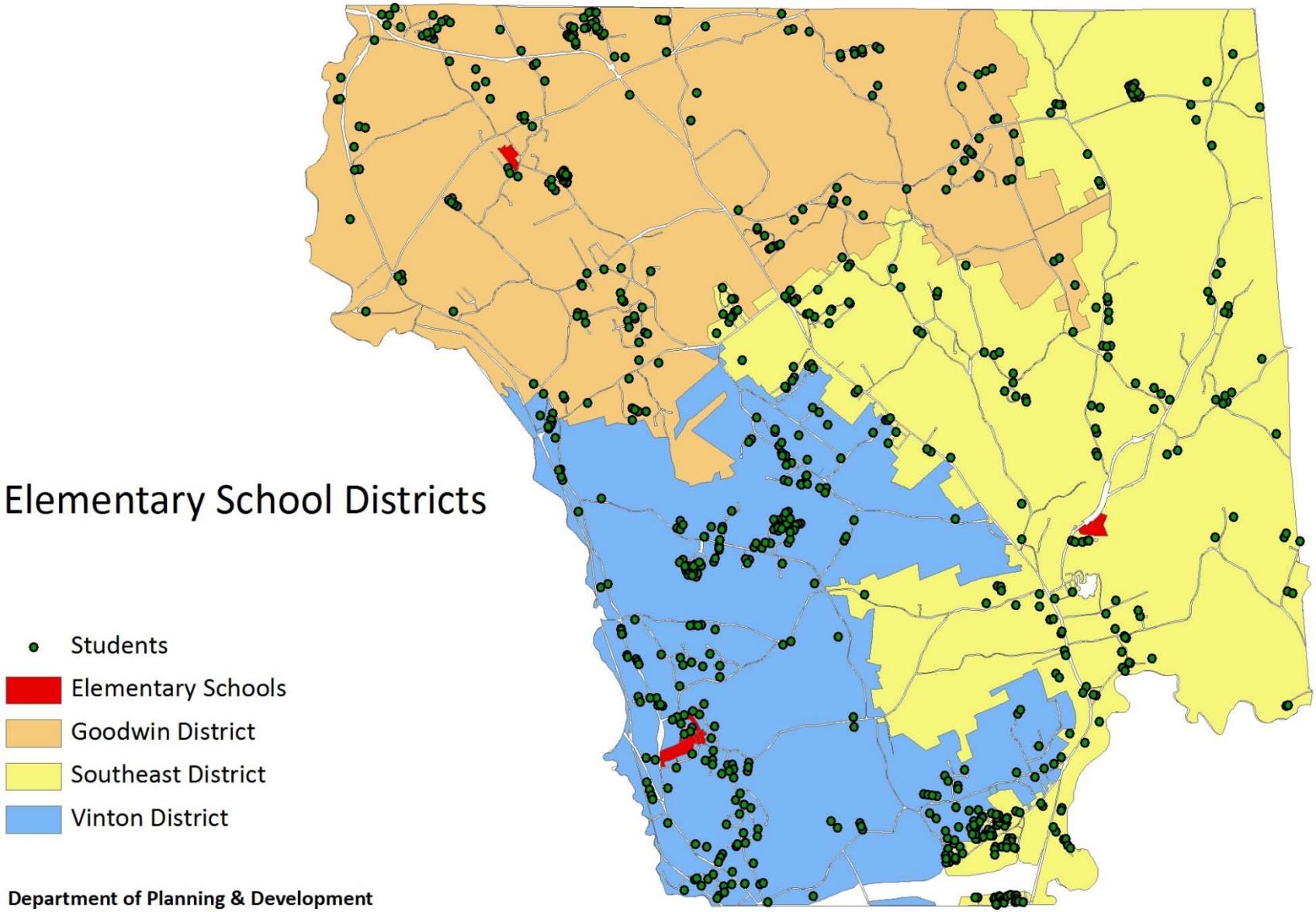
PROJECT	DATE	FIGURE
486-06	5/17/12	4

School Siting Considerations

Town Council Special Meeting

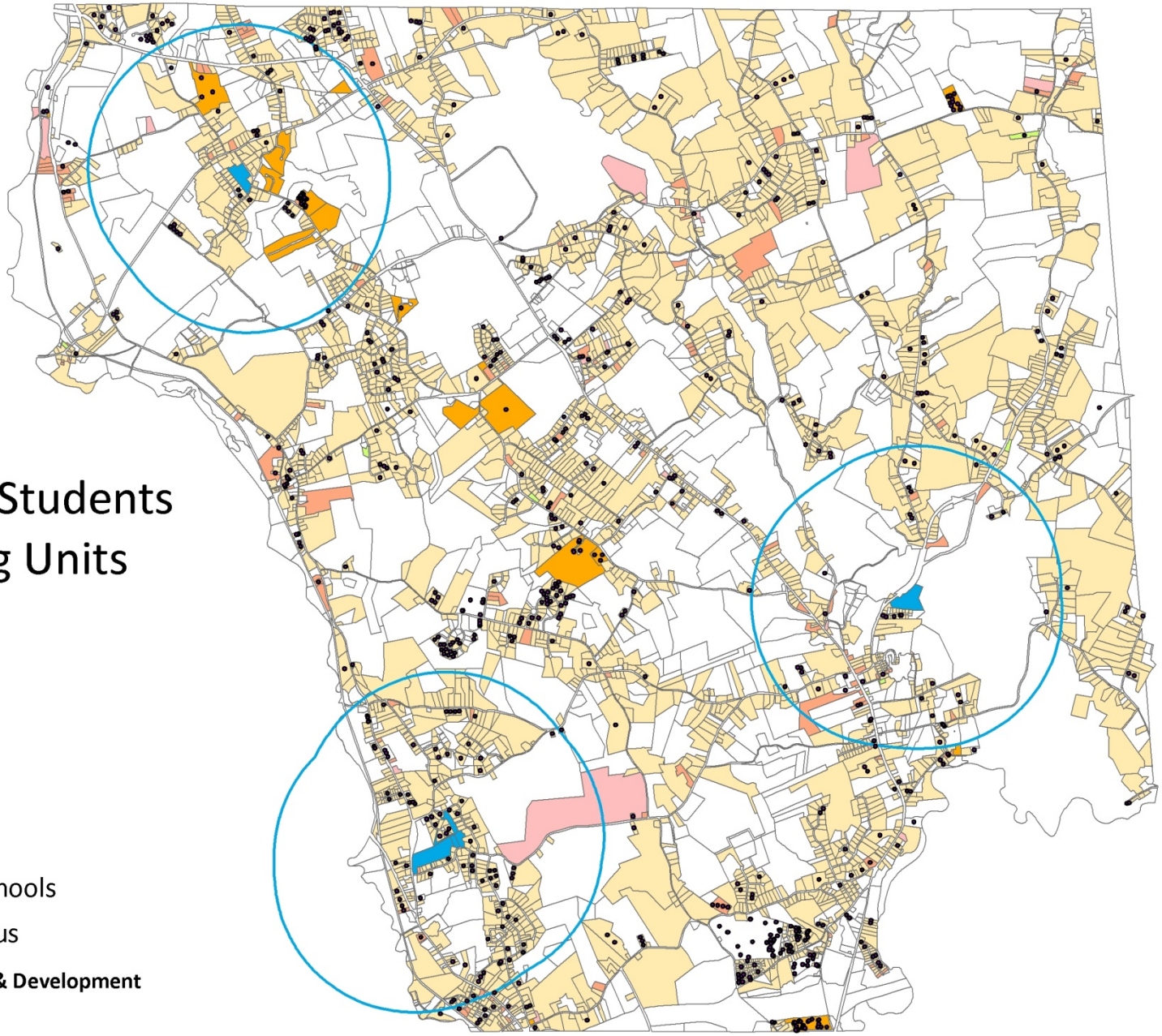
May 17, 2012

Prepared by: Department of Planning and Development



Department of Planning & Development

May 15, 2012



Location of Students and Housing Units

- Single Family
- Two Family
- Three Family
- Four Family
- Multi-Family
- Students
- Elementary Schools
- One Mile Radius

Department of Planning & Development

February 21, 2012

Within One Mile Radius of Goodwin Elementary

- 215 Single Family Homes
- 10 Two-Family Homes
- 1 Three-Family Home
- 2 Multi-Family Developments* (Holinko Estates and Renwood)

- **Total Units: 337**

*Does not include student apartments

Housing Units Within One Mile Radius of Vinton Elementary

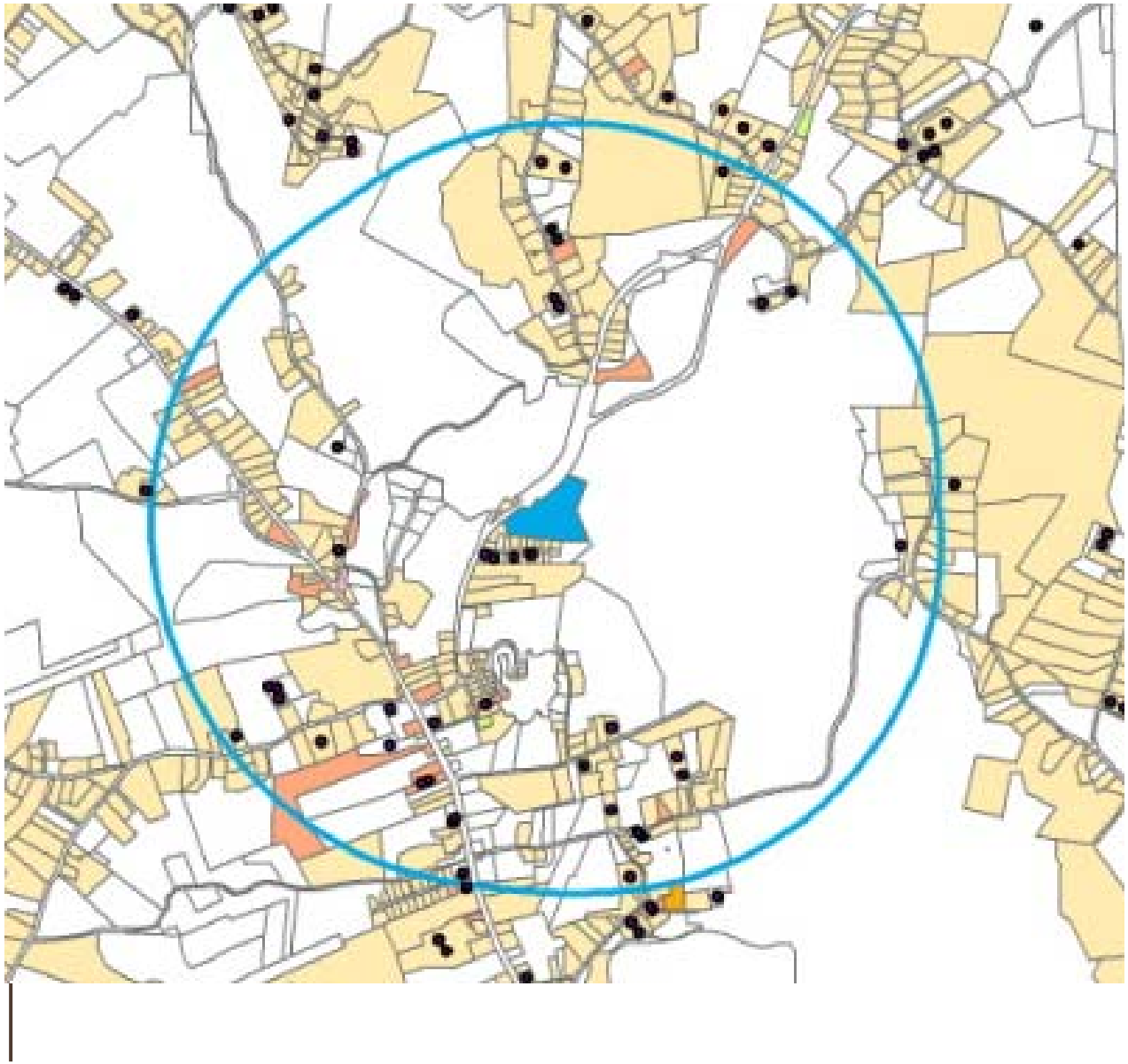
- 410 Single Family Homes
- 18 Two-Family Homes
- 6 Three-Family Home

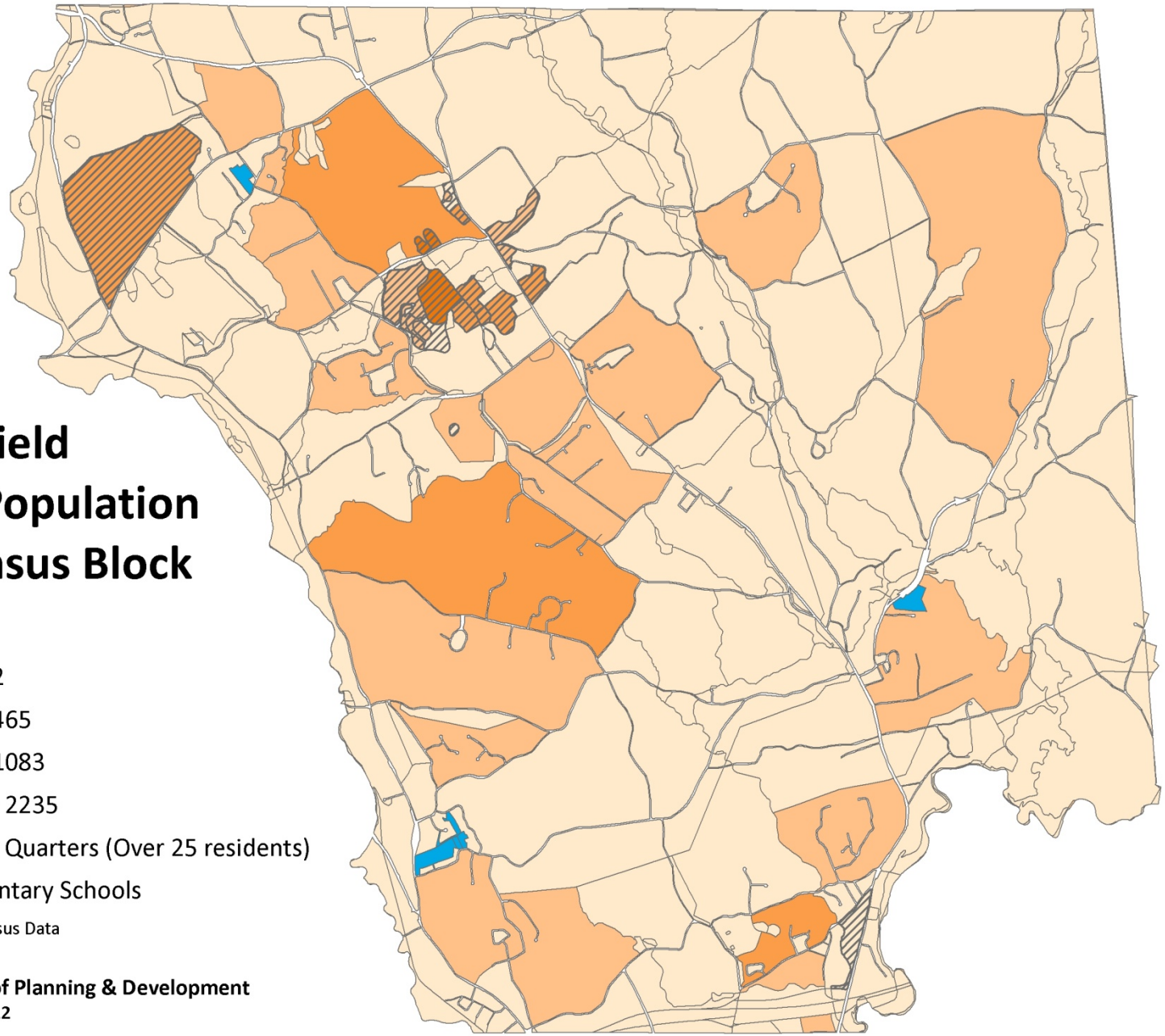
- **Total Units: 434**

Housing Units Within One Mile Radius of Southeast Elementary

- 251 Single Family Homes
- 20 Two-Family Homes
- 1 Three-Family Home
- 2 Four Family
- 1 Multi-Family Developments

- **Total Units: 284**





Mansfield 2010 Population By Census Block

Population

- 0 - 122
- 123 - 465
- 466 - 1083
- 1084 - 2235
- Group Quarters (Over 25 residents)
- Elementary Schools

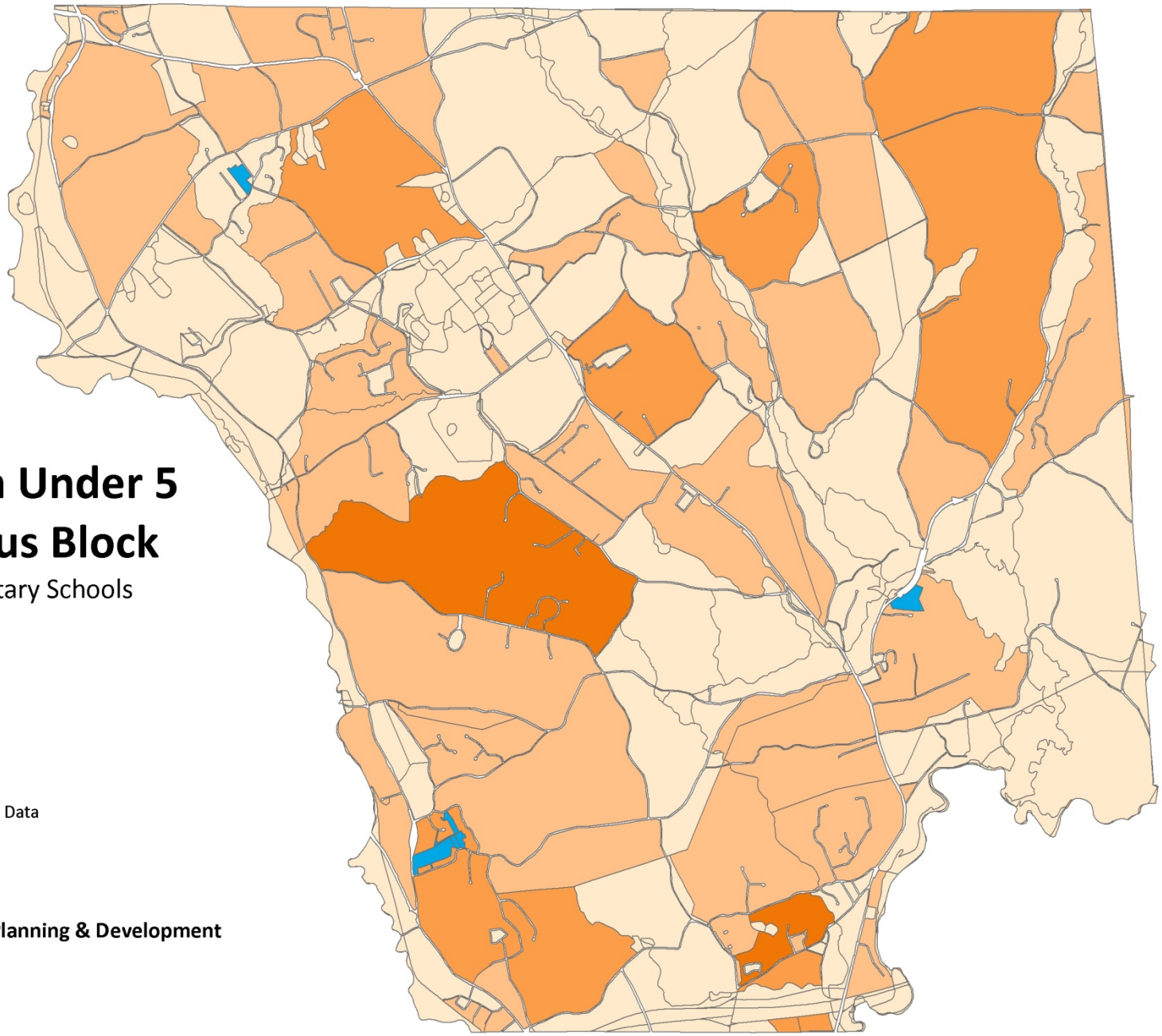
Source: 2010 Census Data

Department of Planning & Development
February 21, 2012

2010 Population Density

- As expected, the highest population density is located in and around UConn. Hatched areas represent blocks containing group quarters (university housing, correctional facility, etc.) providing housing for 25 or more residents

- For areas not adjacent to the university, the highest density per census block is in the area bounded by Maple Road on the north and Mansfield City Road on the South, and the Freedom Green area in southeast Mansfield



Children Under 5 By Census Block

- Elementary Schools
- 0 - 2
- 3 - 8
- 9 - 23
- 24 - 43

Source: 2010 Census Data

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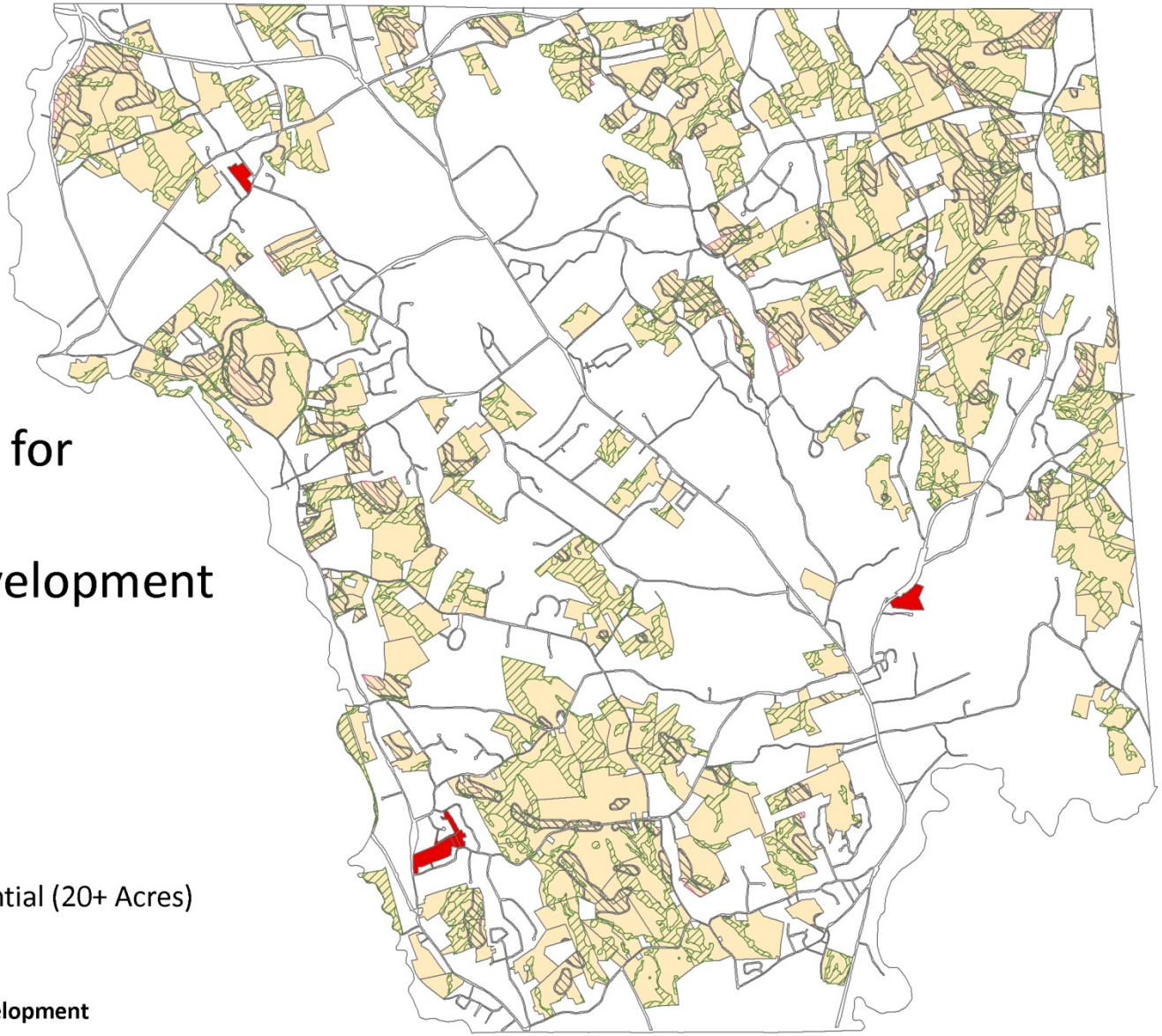
February 21, 2012

2010 Population Density: Children Under the Age of 5

- Similar to the overall population density map, the highest concentrations of children under the age of 5 years are located in the area bounded by Maple Road on the north and Mansfield City Road on the South, and the Freedom Green area in southeast Mansfield



Potential Areas for Low Density Residential Development

Percentage Slope

- 20%+
- 30%+
- Wetlands
- Elementary Schools
- Low Density Residential (20+ Acres)

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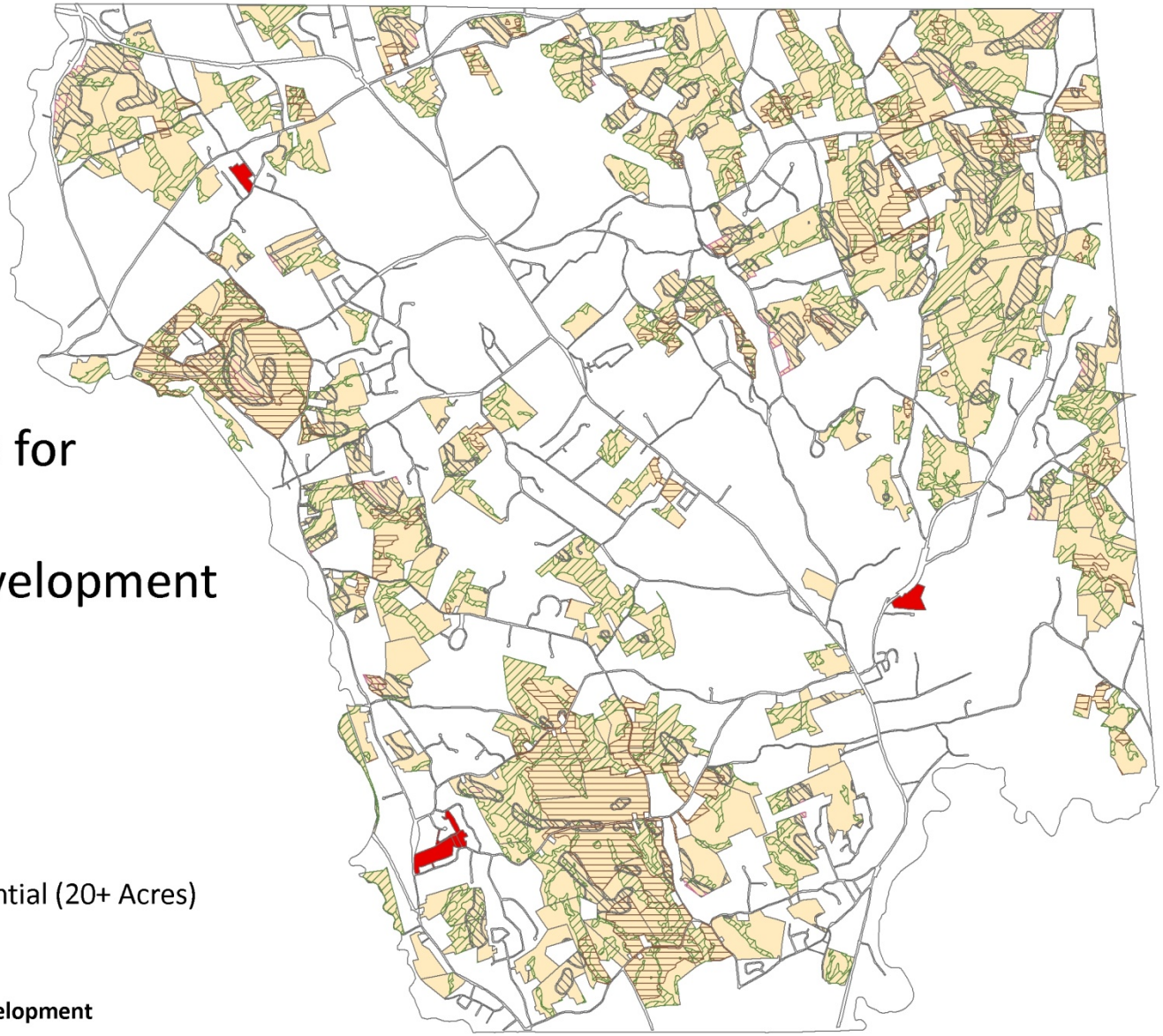

Potential Areas for Low Density Residential Development

Percentage Slope

- 20%+
- 30%+
- Wetlands
- Agricultural Soils
- Low Density Residential (20+ Acres)
- Elementary Schools

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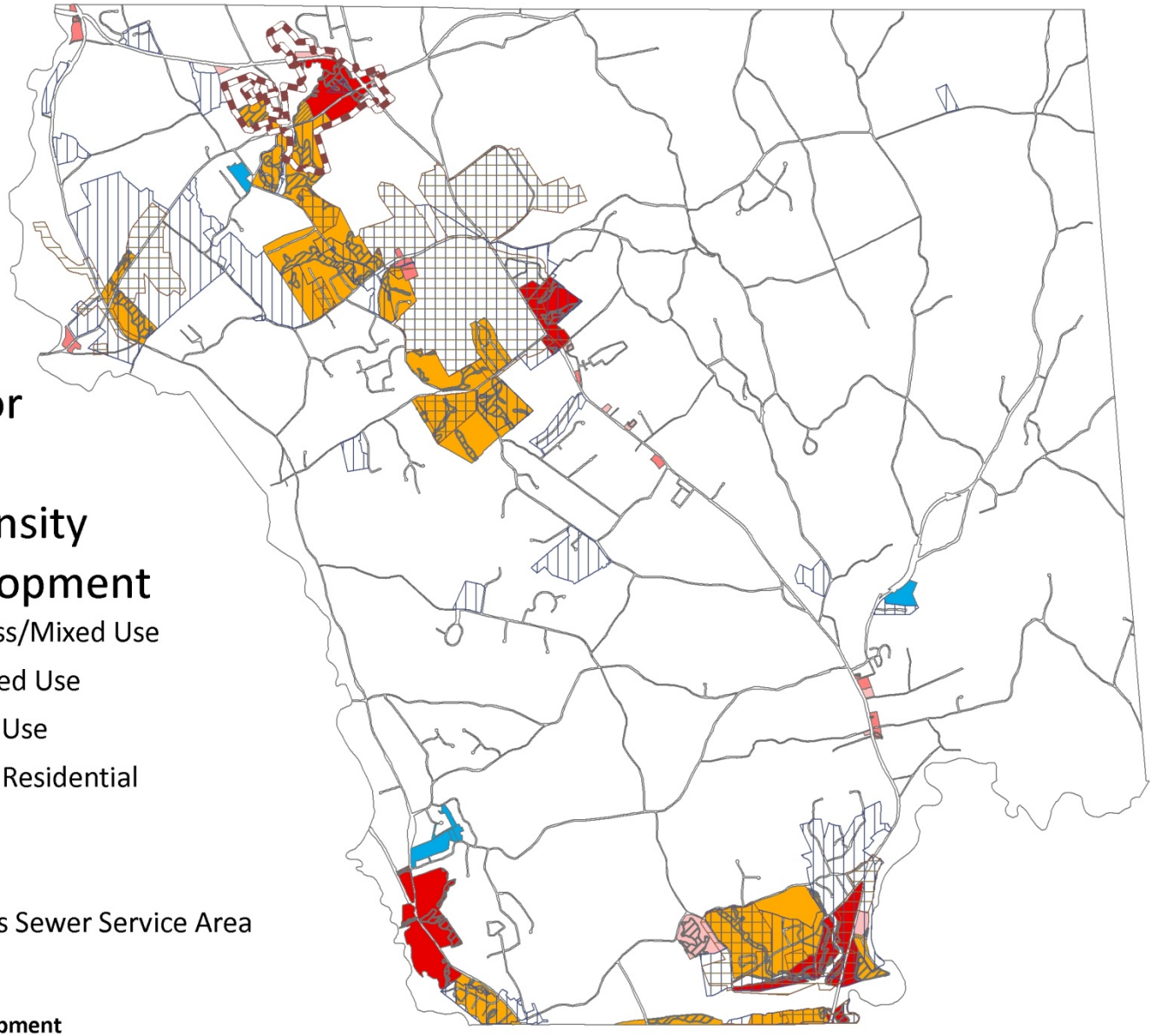
February 21, 2012

Potential Areas for Low Density Residential Development

- To identify the area with the greatest potential for single-family residential development, the maps on the previous slides isolated parcels 20 acres or greater in size.
- Of the ±9,600 acres shown, approximately 2,600 are covered by wetlands; there are also several areas of steep slopes that further limit suitability for development.
- Of the areas suitable for development, a large portion is classified as agricultural soils, which in many cases the town has an interest in preserving
- Most of the land identified as potentially suitable for low density development is located south and west of Mansfield City Road, and along Route 32, north of Route 275

Potential Areas for Mixed Use and Medium-High Density Residential Development



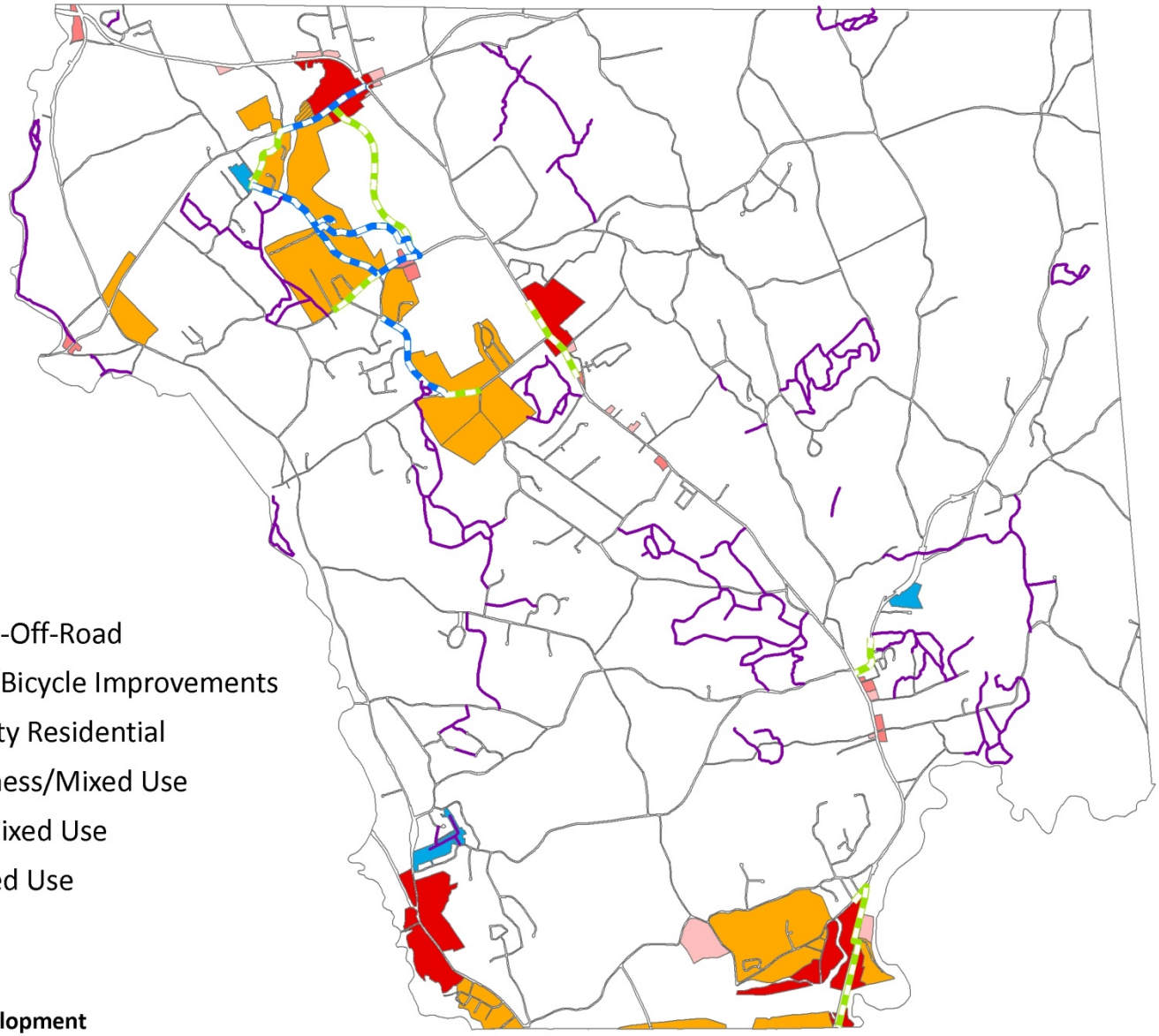
- Neighborhood Business/Mixed Use
- Planned Business/Mixed Use
- Planned Office/Mixed Use
- Medium-High Density Residential
- Water Service Areas
- Sewer Service Areas
- Proposed Four Corners Sewer Service Area
- Elementary Schools

Department of Planning & Development

February 21, 2012

Potential Areas for Mixed Use and Medium to High Density Residential Development

- Areas identified as potentially supporting medium to high density residential development and more intense commercial development are located in areas with the potential to be served by water and sewer
- Most of the potential mixed use and higher density residential development is anticipated to occur in the areas north and west of UConn, as well as southern Mansfield between Mansfield City Road and Route 195.
- Perkins Corner is also identified as an area for future development. There is a potential sewer project being initiated by the Town of Coventry that could serve this area.



Transportation Infrastructure

- Trails_Town
- Pedestrian & Bicycle-Off-Road
- Planned Pedestrian/Bicycle Improvements
- Medium-High Density Residential
- Neighborhood Business/Mixed Use
- Planned Business/Mixed Use
- Planned Office/Mixed Use
- Elementary Schools

Department of Planning & Development

February 21, 2012

Proximity to Transportation Infrastructure

- As shown in the previous slide, Goodwin Elementary currently has the best access for pedestrians and bicyclists.
- A pedestrian walkway is planned, but not yet funded, to connect Southeast Elementary to Mansfield Center.

Mansfield Sustainability Committee
School Siting Considerations
Town Council Workshop 5.17.12

- 2010 Matrix
- 2012 Criteria Development / Overlay Mapping Process
- 2012 Specific Recommendations

TOWN OF MANSFIELD
OFFICE OF THE TOWN MANAGER

Matthew W. Hart, Town Manager

AUDREY P. BECK BUILDING
FOUR SOUTH EAGLEVILLE ROAD
MANSFIELD, CT 06268-2599
(860) 429-3336
Fax: (860) 429-6863

Memo to: Mansfield Town Council
From: Matthew W. Hart, Town Manager
Gregory Padick, Director of Planning
Date: February 24, 2011
Re: School Siting Considerations

At the Town Council's 2/22/11 meeting, questions were raised regarding potential school sites and possible neighborhood impacts that could arise if existing school sites were no longer used for a school. To help assess school siting issues, we have provided a general listing of locational considerations for siting a new school and more specific information about the three existing elementary school sites. We will be present at the 3/1/11 Town Council meeting to address any questions.

Locational Considerations for siting a new school(s)

- Consistency with Plan of Conservation and Development/Mansfield 2020 (Strategic Plan) and 8/10 considerations provided by Mansfield's Sustainability Committee.
  - Proximity to areas with existing and/or planned higher population density/elementary students
  - Proximity to Planned Development Areas
  - Proximity to existing or planned public infrastructure (sewer, water, walkway/bikeways, pubic transit, etc)
  - Proximity to other Town facilities
- Parcel size and physical character (useable acreage)
- Potential traffic impacts
- Potential neighborhood impacts
- Availability of adjacent land if Goodwin site is selected for a new school

Sustainability Considerations for School Siting
From the Mansfield Sustainability Committee for the Town Council and Board of Education
August 3, 2010 DRAFT

This matrix addresses only the SITING issues of the school with regard to sustainability. There will be many additional sustainable DESIGN considerations once the site has been established. Most of the design considerations will be addressed by designing according to the LEED Green Building Rating System.

Site Features for Sustainability (Note: these features should be considered for renovating, replacing, and relocating)	**Potential Specific Applications in Mansfield**
Site is in a community-centered location and has connectivity to community amenities and public spaces.	
• Within walking distance of existing or planned amenities, such as retail development, other schools, community center, library, recreational fields, university, parks, open space, "heart" of the community.	Close to future Storrs Center, Farrell Fields, Mansfield Community Center, UConn. Or close to Four Corners. Or close to Mansfield Library and Mansfield Center.
• Close to existing or proposed higher density neighborhoods and/or areas planned for additional residential development.	See Mansfield zoning regs/map and Plan of Conservation and Development for higher density residential areas.
• Potential to share infrastructure with adjacent sites (e.g., recreation fields, library, parking, parks, swimming pool).	EO Smith and Farrell fields, future infrastructure for Storrs Center.
• Potential for "co-location" - a facility on this site could meet multiple needs and be shared for complementary uses during non-school hours (e.g., senior citizens).	
• School use of site achieves or complements multiple goals for the community.	School integrates into vision and/or design for Storrs Center, additional senior housing, Mansfield Plan of Conservation and Development. Helps fulfill Mansfield 2020 vision and goals.
• School use of site would add value to surrounding land uses. (Also consider impact on property values of moving existing school out of neighborhood.)	
• Potential for future renovations of site for education and non-educational uses (building will continue to serve the community if no longer used as a school in the future).	Close to areas planned for commercial and community uses (e.g., Storrs Center, Four Corners).
Site is walk/bike/transit accessible.	
• Accessible by walkers and bikers and has existing or potential for bike/pedestrian infrastructure.	
• Close to areas with greatest existing or planned concentration of neighborhoods with families, minimizing busing distance and costs.	See Mansfield zoning regs/map and Plan of Conservation and Development for higher density residential areas.

• Close to existing or planned public transit for school and non-school users.	
Site is environmentally suitable for development.	
• Avoids "greenfields" (previously undeveloped lands). If a greenfield is chosen, mitigate the loss through protection of other land with comparable qualities.	
• Can be developed without impacting wetlands and waterbodies, floodplains, or habitat for threatened and endangered species.	
• Served or serviceable by existing water and waste water infrastructure.	
• Minimal impact on traffic patterns, congestion, and air quality and public safety issues related to traffic.	
• Potential to minimize lot size and development footprint (LEED Neighborhood Development calls for 5 acre maximum for elementary schools).	
• Redevelop existing buildings or site within an already developed area that is community-centered.	
• Potential to optimize building orientation to take advantage of passive heating and cooling, natural ventilation, daylighting (i.e., elongate the building along east-west axis).	
• Natural site attributes provide opportunities for outdoor learning (e.g., forested areas, streams, etc).	
• Requires minimal site regrading. No steep slopes.	
• Excellent environmental quality (no water or soil contamination).	
• Has potential for school garden to support local food production.	
Other considerations.	
• Budget for ongoing repair and maintenance to maintain usefulness and efficiency of facilities and avoid cost analysis in the future that results in "new is cheaper."	

Useful Sources

National Trust for Historic Preservation – Community-Centered Schools Initiative, *Helping Johnny Walk to School: Policy Recommendations for Removing Barriers to Community-Centered Schools* http://www.preservationnation.org/issues/historic-schools/helping-johnny-walk-to-school/helping-johnny-walk-to-school.pdf. See MN, NM, NH, CO, MD case studies on legislative and policy changes to eliminate minimum acreage requirements and bias again renovating existing schools in school construction funding decisions.
http://www.preservationnation.org/issues/historic-schools/

EPA school siting information http://cfpub.epa.gov/schools/top_sub.cfm?t_id=45&s_id=64

EPA *Schools for Successful Communities: An Element of Smart Growth*
http://www.epa.gov/smartgrowth/pdf/SmartGrowth_schools_Pub.pdf
See case studies at end.

Cost comparisons checklist to analyze renovating or building new school
http://www.epa.gov/smartgrowth/pdf/SmartGrowth_schools_Pub.pdf (see page 19)

EPA *Travel and Environmental Implications of Schools Siting*, http://www.epa.gov/smartgrowth/school_travel.htm
This 2003 EPA study was the first to empirically examine the relationship between school location, the infrastructure and environment around schools, transportation choices for trips to school, and impact of those choices on air pollution. It found that: school proximity matters (students with shorter distances are more likely to walk or bike), the built environment influences travel choices (students are more likely to bike in bike-friendly neighborhoods with sidewalks and bike lanes), school location impacts air emissions (centrally located schools that are walkable/bikable reduce air pollution).

US Green Building Council *LEED for Neighborhood Development Rating System*
http://www.usgbc.org/DisplayPage.aspx?CMSPageID=148

National Best Practices Manual for Building High Performance Schools http://www.p2pays.org/ref/20/19494.pdf

California Division of the State Architect's Sustainable Schools Resource,
http://www.sustainableschools.dgs.ca.gov/SustainableSchools/sustainabledesign/siting/siting.html

School Building Subcommittee of the Sustainability Committee
Minutes of Special Meeting
February 22, 2012

Present: Kristin Schwab, Bill Lennon, Lynn Stoddard

The meeting was called to order at 6:30 p.m. by chair Lynn Stoddard.

Participants noted that the Town Council had voted to support a plan for 2 new school buildings, with a referral to Planning & Zoning Committee to provide advice to the Council on the appropriate sites for building 2 new schools. As such, the subcommittee decided that the most useful input from the Sustainability Committee would be to focus on the siting of the new buildings rather than further deliberation on whether to renovate or build new schools. Further, the subcommittee noted that the siting issue has very significant sustainability implications and is thus a very important issue for the Sustainability Committee to provide input on.

Subcommittee members all noted that, from a sustainability perspective, it is most important to help the town identify *a process* for determining appropriate sites and that it would be useful to approach this process with no specific sites in mind. The subcommittee discussed the following process as a method to identify sites and decided to meet again to develop this process further:

1. Select a few areas in town that the town has identified for growth based on sustainability principles (i.e., dense, mixed use, walkable, transit-oriented) and that are existing/future community or village hubs (i.e., concentration of community amenities, housing, public spaces).
2. Draw a circle with a 2 mile (? – possibly less) radius around these community hubs.
3. Within these community hub bubbles, perform a "suitability analysis" by mapping physical/natural/cultural constraints and values.
4. The mapping of *physical/natural/cultural features to be avoided* in school siting (constraints) could include the following: wetlands and watercourses, prime agricultural soils, significant natural areas.
5. The mapping of *physical/natural/cultural features that would add value* to being close to a school (values) could include: civic gathering places (libraries, community center), recreation fields, proximity to planned higher density residential neighborhoods, potential for shared infrastructure, "complete" streets (potential).

This site suitability analysis would identify areas of town for potential school sites based on the data of physical/natural/cultural features and sustainability principles. The benefits of such a comprehensive data-driven process are many: provides an open-ended siting analysis, removes mental barriers related to current land use and ownership, diffuses emotional investment in one site over another.

The subcommittee will look at maps in the Plan of Conservation and Development for potential use in performing the suitability analysis and meet again on 2/28.

The meeting was adjourned at 7:55 p.m.

Respectfully Submitted,

Lynn Stoddard

DRAFT meeting minutes

School Building Subcommittee meeting
Mansfield Sustainability Committee
Feb 28, 2012

Meeting participants: Kristin Schwab, Bill Lennon, Lynn Stoddard

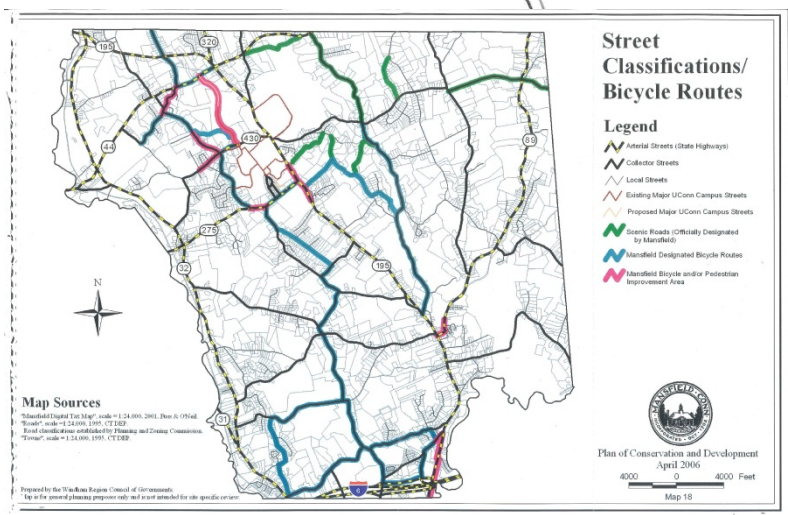
The meeting was called to order at 6:45 p.m.

Based on the suitability analysis process discussed on 2/22, the subcommittee created overlay maps. First, the subcommittee agreed upon two areas of town that are community hubs (i.e., concentration of community amenities, housing, public spaces): Storrs Center and Mansfield Center. In addition to being existing community hubs, these two areas provide the diversity of north and south orientation and a densely developed hub versus a village hub. A circle with a 2-mile radius was drawn around the center of each community hub.

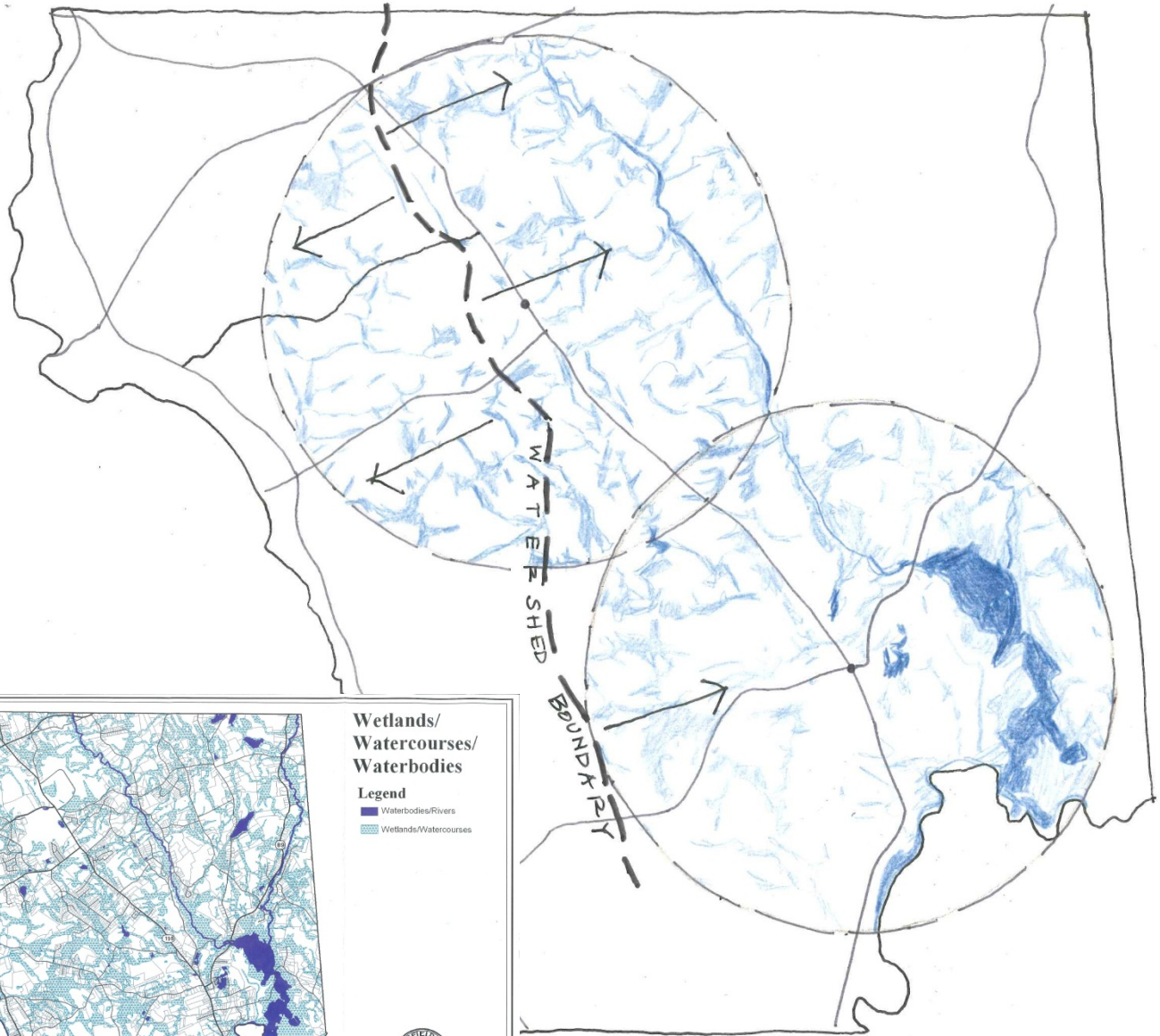
Next participants made tracing paper overlays, using maps from the Plan of Conservation and Development, showing each of the following constraints: wetlands, prime agricultural land. Overlays were also made of the following opportunities: cultural and civic sites (denser mixed use areas, library, churches, town hall, community center, high school, cemeteries, etc), existing residential neighborhoods, and potential "complete" streets (i.e., areas with sidewalks and bike lanes). In addition, an overlay was made of existing preserved open space, which could be viewed as a constraint (don't build on this land) and an opportunity (valuable in proximity to a school).

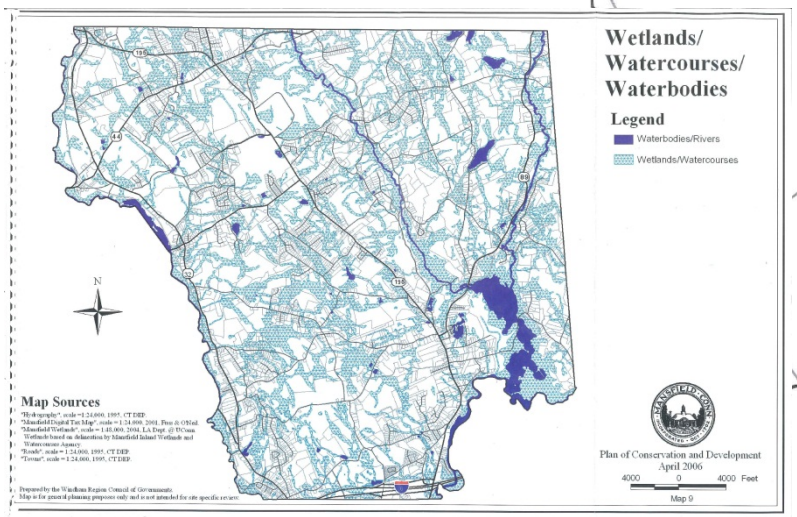
The meeting was adjourned at 8:40 p.m.

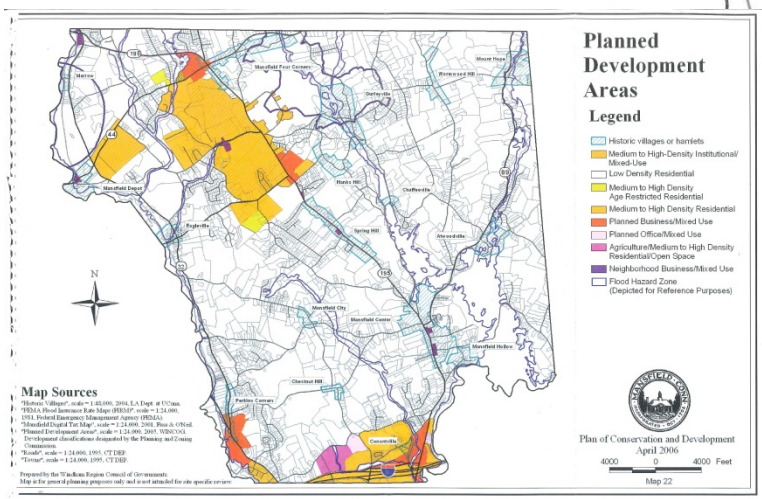
"Complete" Streets

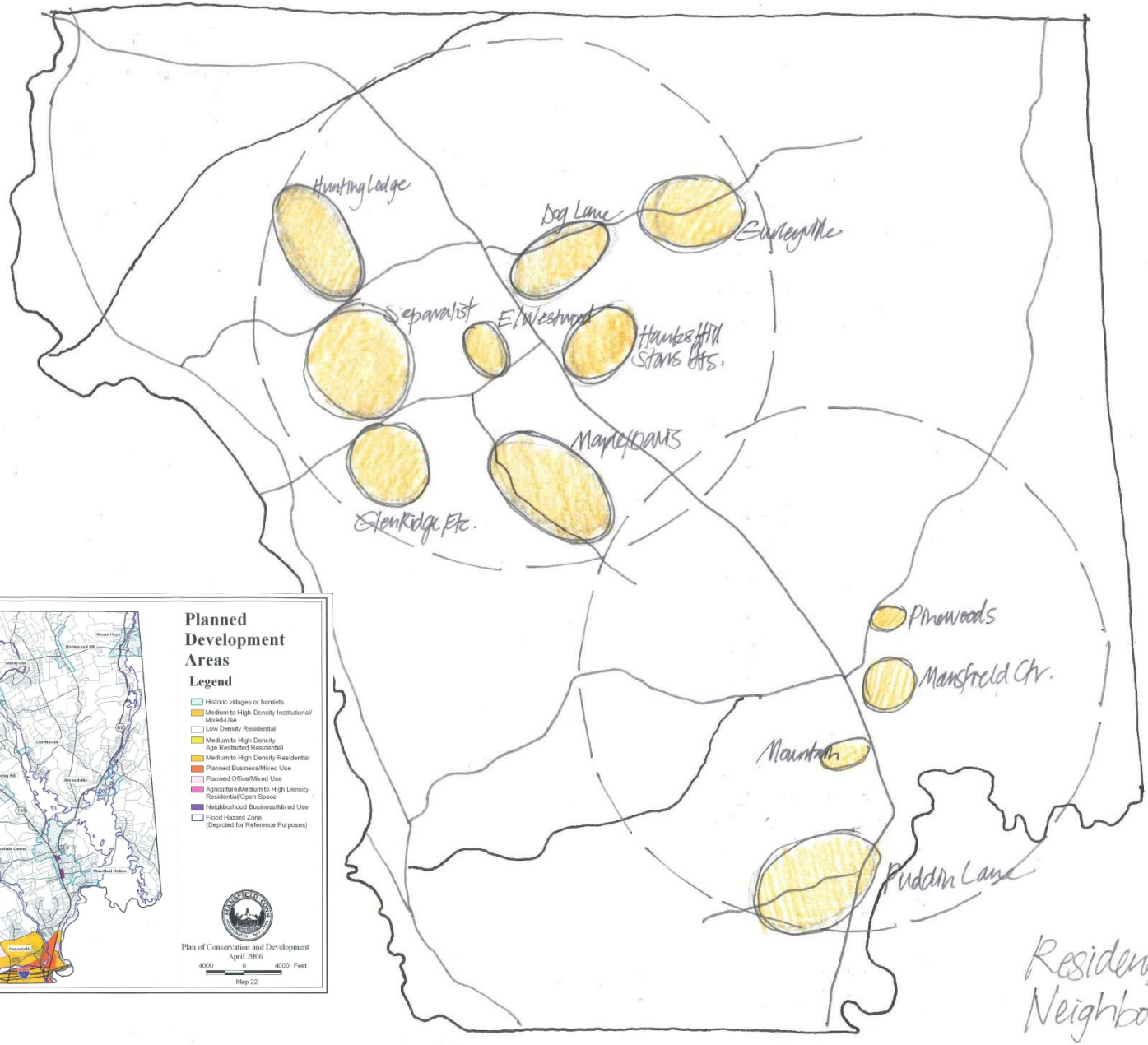


Wetlands/
Watercourses



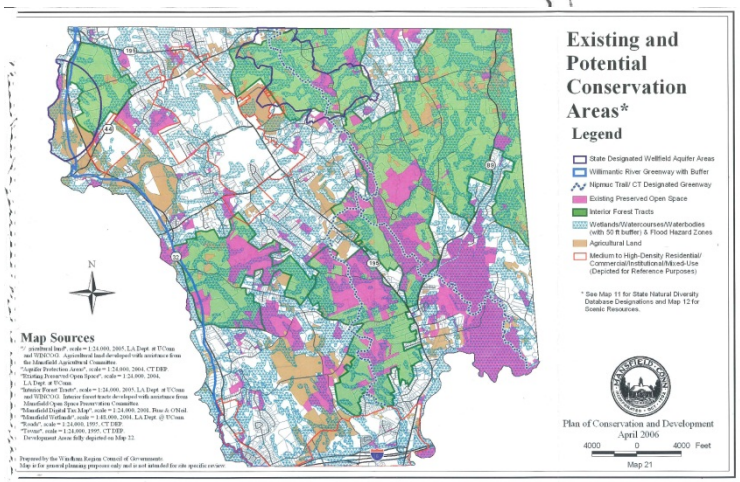


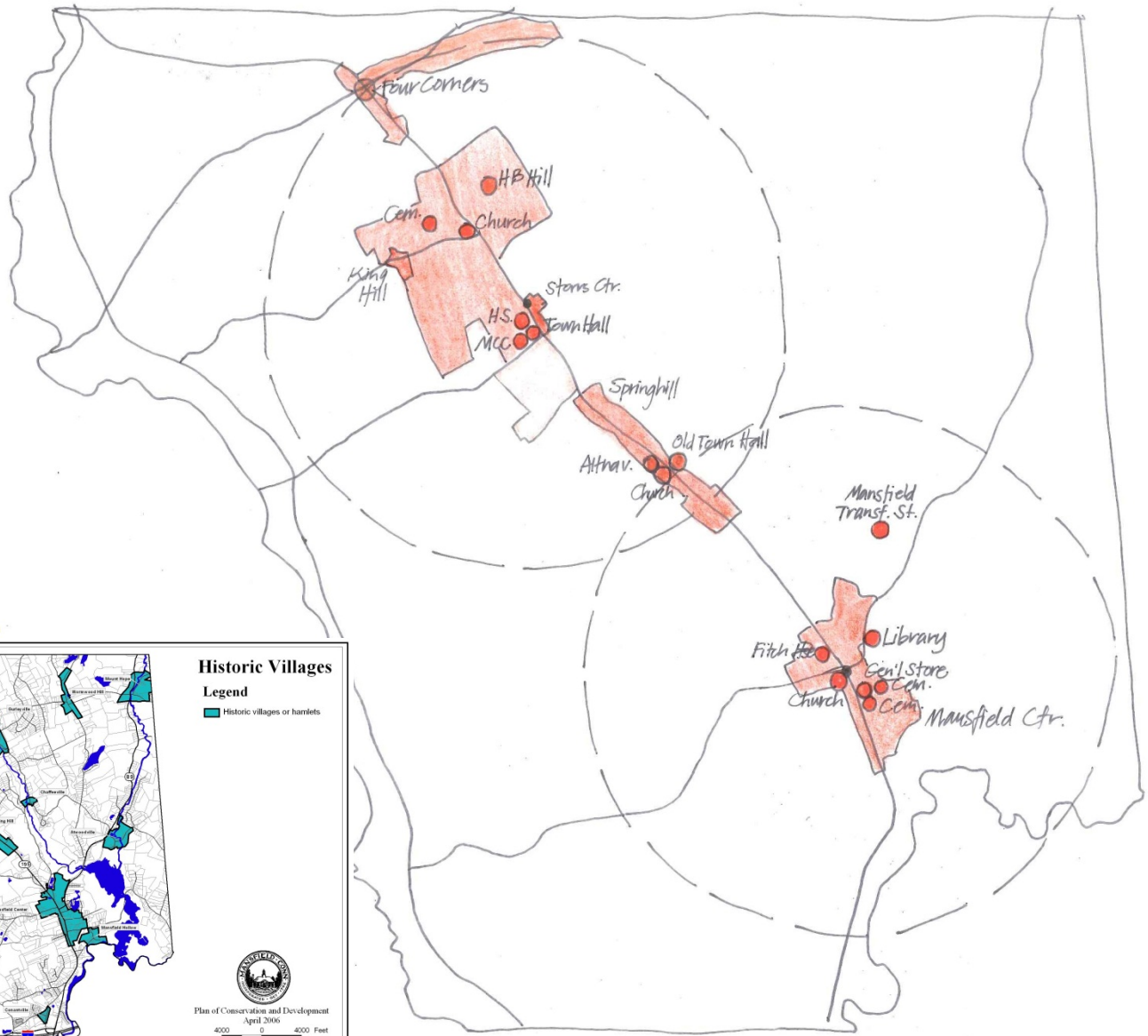


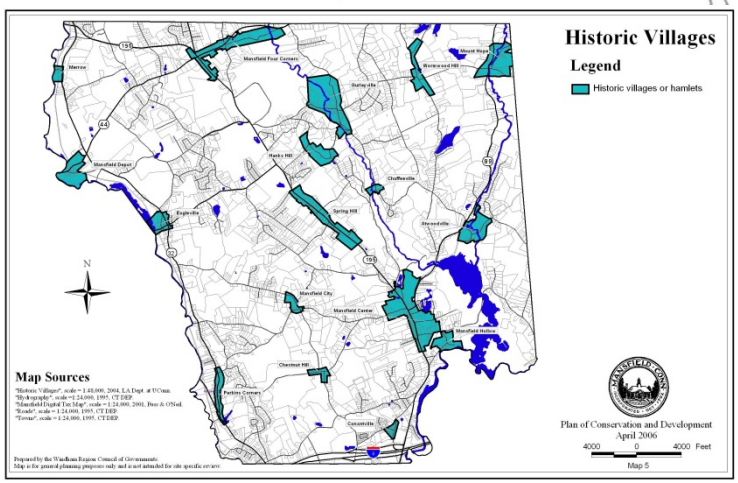


Residential Neighborhoods

EXISTING PRESERVED OPEN SPACE

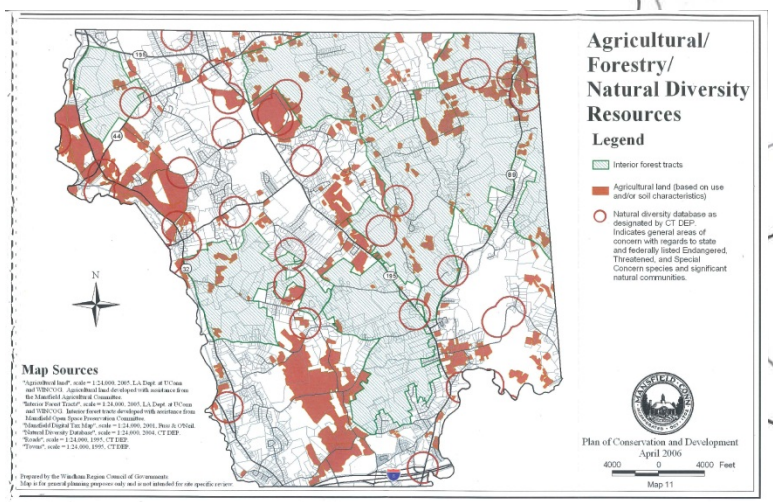


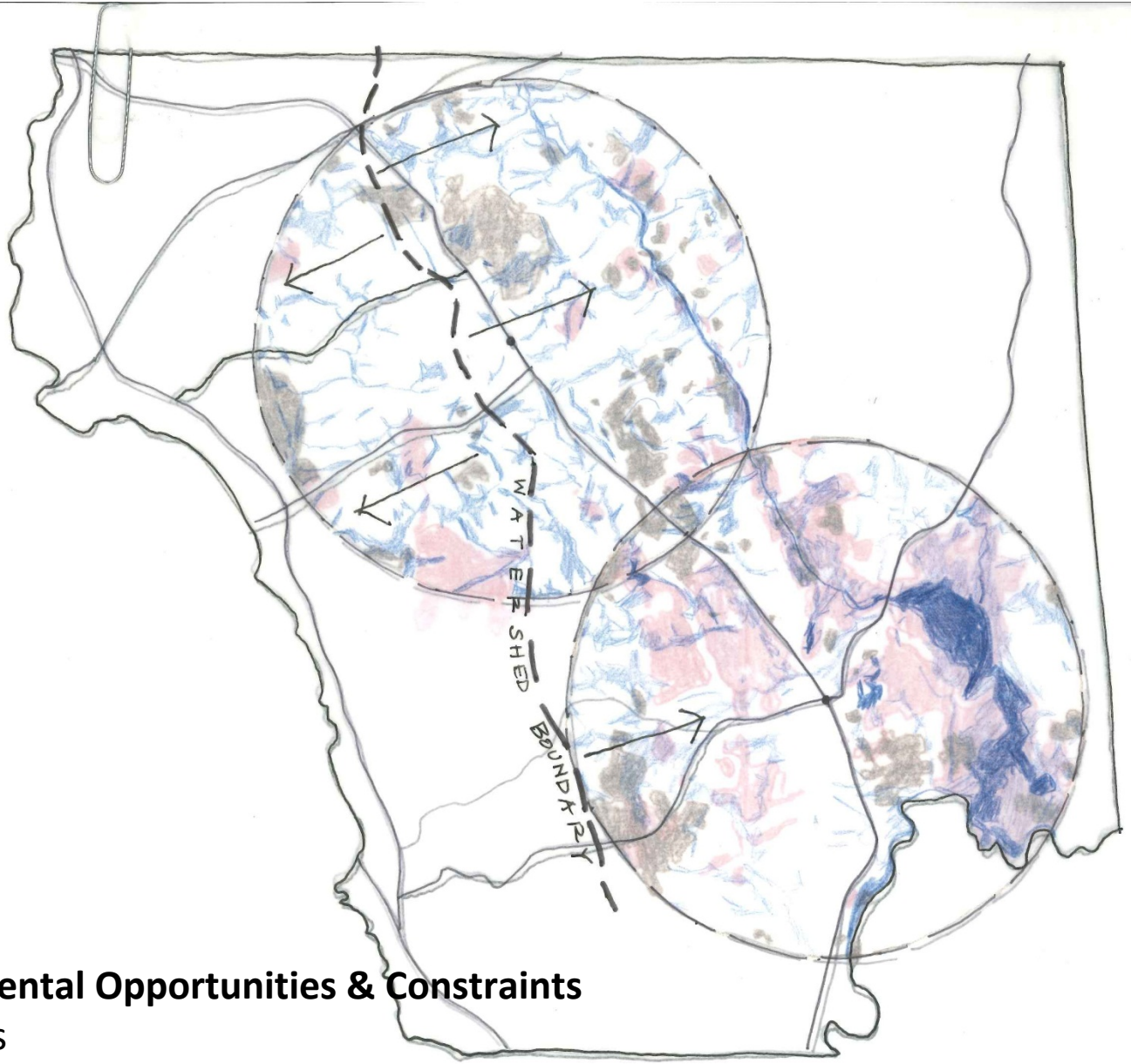




Cultural & Civic Sites

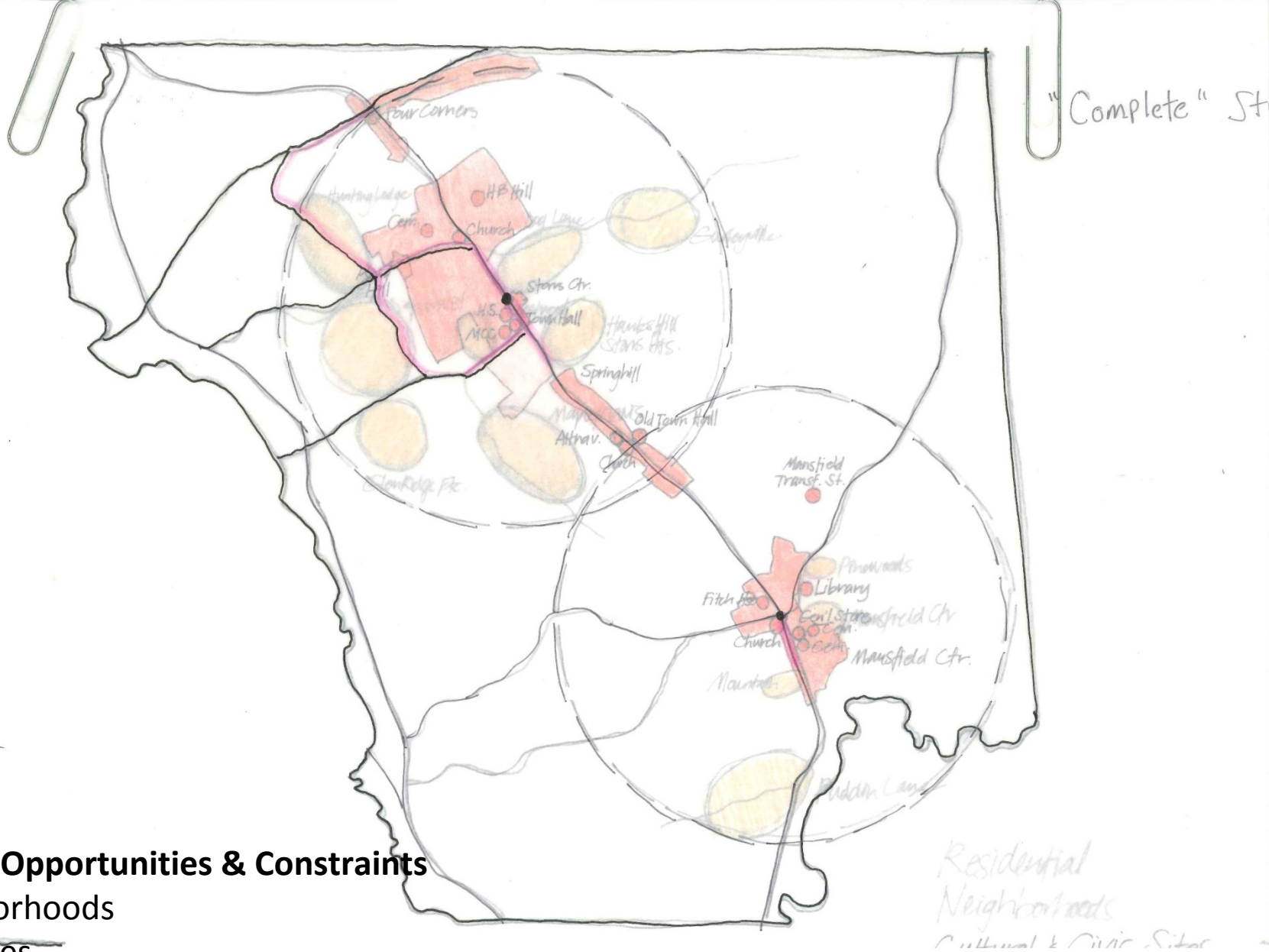
Agricultural Land





Environmental Opportunities & Constraints

- Wetlands
- Ag land
- Open Space



Cultural Opportunities & Constraints

- Neighborhoods
- Civic Uses
- Complete Streets

Mansfield Sustainability Committee
Elementary School Siting Recommendations Summary
March 4, 2012

The Mansfield Sustainability Committee has been keenly interested in the issue of school siting since its inception in 2010, around the time that the town was developing options to address current inadequacies and future needs of our elementary schools. Public schools are critical community elements to which substantial community resources are devoted, and their placement both drives future development patterns and has the potential to create a rich set of shared community relationships between public and private land uses. The decision as to where to place a school will have larger community sustainability affects for decades to come.

At that time, the Sustainability Committee researched and prepared a matrix of Sustainability Considerations for School Siting. This matrix, which is included as part of our recommendations, is a list of site features and locational relationships which fall primarily within three main areas:

- Site is in a community-centered location and has connectivity to community amenities and public spaces.
- Site is walk/bike/transit accessible.
- Site is environmentally suitable for development.

These considerations could be applied to renovating or rebuilding on an existing school site or to the search for a new, and potentially more suitable, site. They do not provide any specific site recommendations, but do outline specific site features that will optimize the educational potentials of the school, the environmental performance of the school and the community, and use of existing infrastructure and community resources.

1. *The site selection should provide for a northern and southern school.* The significant effort and focus on centering new development and infrastructure around existing municipal and institutional uses in Storrs Center recommends for the siting of a school in this primary northern hub of the town. The community hub of the Mansfield Center village area and significant residential population in the southern reaches of Mansfield recommends for the siting of a second school in a southern location.

2. *Locations of existing residential populations is a critical factor, but not the only factor in sustainable siting considerations.* Although the group did not come to consensus about the weighting of factors, it strongly agreed that proximity to existing community uses and amenities such as recreational facilities, library, cultural and natural lands, and pedestrian/bike friendly "complete streets" should be given strong consideration, as our Siting Consideration matrix suggests.

3. *If a selected school site does not have surrounding community uses or complete streets, these related improvements and future community/civic features should be planned and incorporated to strengthen the community hub.* As in the case of both the Vinton and Southeast School sites, the state roads they are located along are very lacking in pedestrian and traffic calming amenities. In the case of Vinton School, there is little, if any, other community uses in this area, which is concerning from a sustainability viewpoint.

4. *Although the existing school sites are the only ones being considered currently, there are likely several other sites that would be stronger candidates.* Because this is such a long-term decision that will drive so many other needs, opportunities and decisions, we urge the prudent consideration of the full range of feasible options.

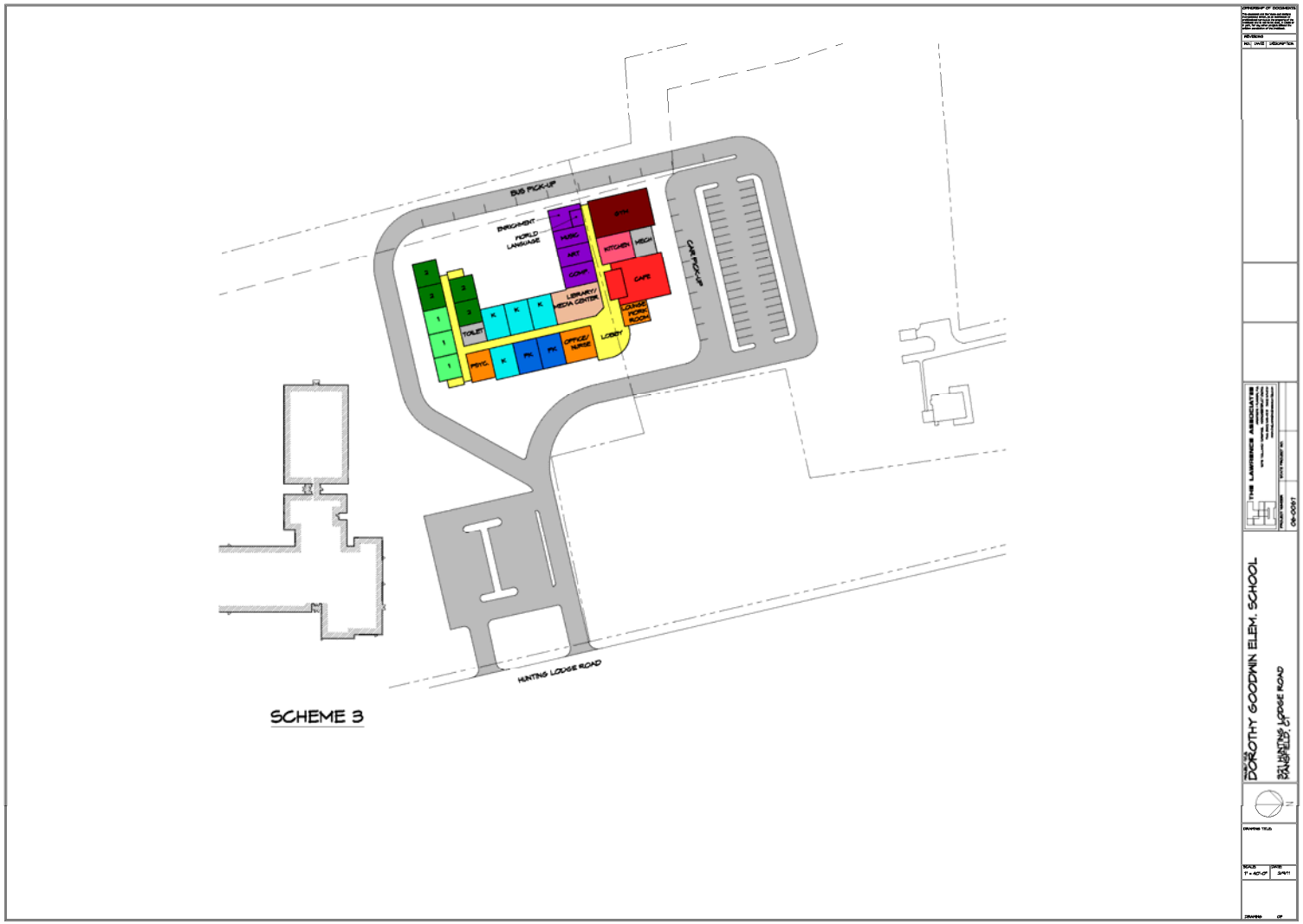
5. ***Consideration should be given to an alternative plan for phasing and siting on existing school sites.*** The constraint of using new footprints on the existing school sites for new buildings while simultaneously operating all three existing buildings will necessitate use of marginalized and undisturbed areas of the site. The long term environmental, social and financial costs of this approach outweigh the long term benefits of utilizing the existing footprints, which represent the optimal site locations, especially on the Goodwin School site.

Mansfield
School Building Project
Test Fits

The Lawrence Associates

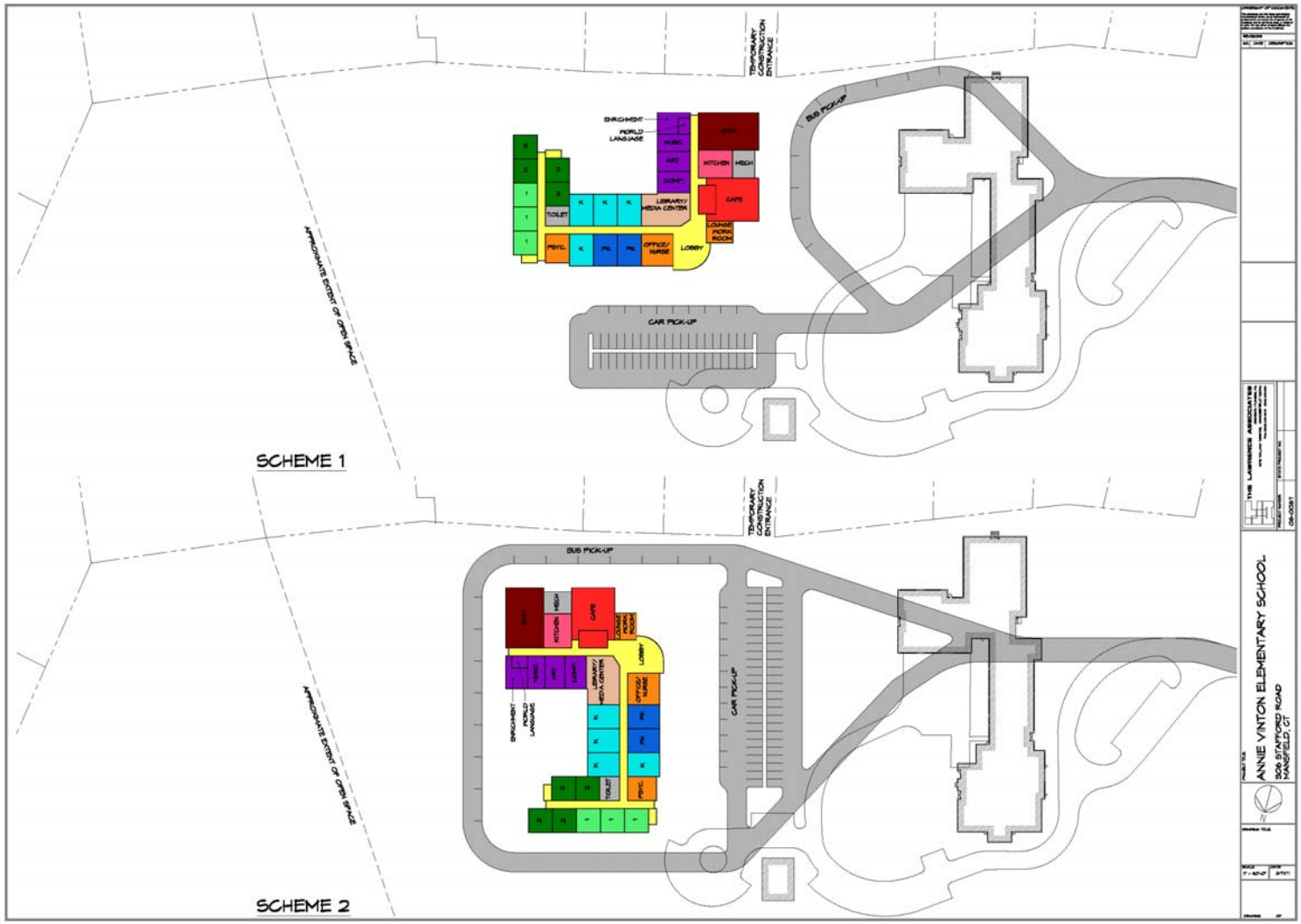
Goodwin: Schemes 1 & 2

Goodwin: Scheme 3



Southeast: Schemes 1 & 2

Vinton: Schemes 1 & 2



Mansfield
School Building Project

Decision Timeline for November 2012 Referendum

Action	Date
Public hearing	03/05/12
Council workshop	05/17/12
Council workshop	05/31/12
Council preliminary decision on option & site; referral to PZC	06/07/12
PZC review	June-July 2012
Direct mail piece	August 2012
Council bond authorization; schedule referendum	09/04/12
Explanatory text	Sep 2012
Public info sessions	Oct 2012
Referendum	11/06/12
Submit application	06/28/13
Begin construction, preK-4	Feb 2015
Begin construction, MMS	Mar 2016
Complete construction, preK-4	Sep 2016
Complete construction, MMS	Aug 2017