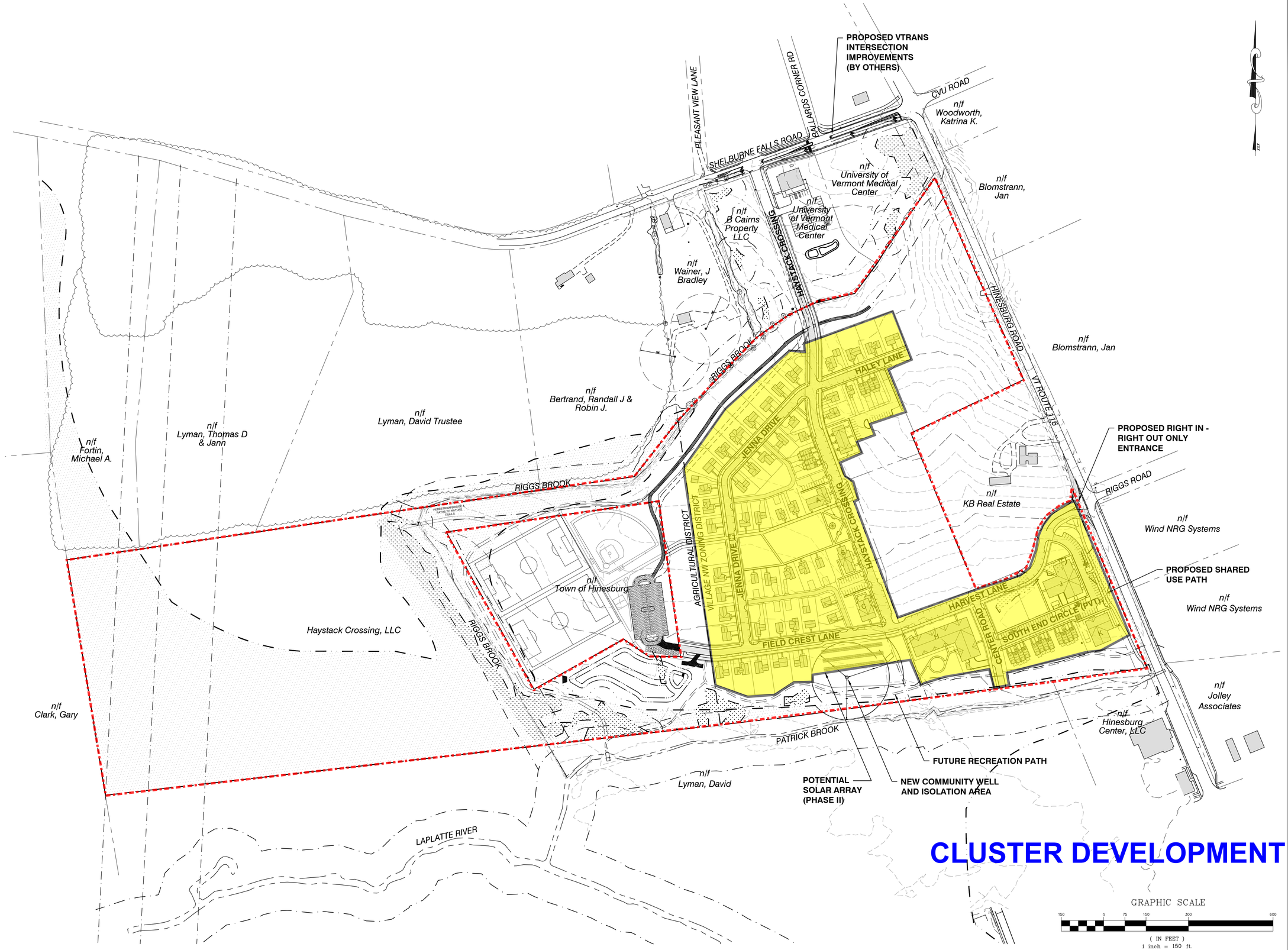

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10 MANSFIELD VIEW LANE, SOUTH BURLINGTON, VT 05403
802-864-2323 FAX: 802-864-2271 web: www.cea-vt.com

DRAWN: SAL
CHECKED: DSM
APPROVED: DSM

OWNER:

HAYSTACK CROSSING, LLC
c/o JOSEPH BISSONETTE

68 RANDALL STREET
SOUTH BURLINGTON, VT 05403

APPLICANT:

BLACKROCK CONSTRUCTION, LLC

68 RANDALL STREET
SOUTH BURLINGTON, VT 05403

PROJECT:

HAYSTACK CROSSING

SHELBURNE FALLS ROAD
VERMONT ROUTE 116
HINESBURG, VERMONT 05461

LOCATION MAP
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PROPOSED VTRANS INTERSECTION IMPROVEMENTS (BY OTHERS)

PLEASANT VIEW LANE

BALLARDS CORNER RD

SHELBURNE FALLS ROAD

CVU ROAD

n/f Woodworth, Katrina K.

n/f University of Vermont Medical Center

n/f University of Vermont Medical Center

n/f Blomstrann, Jan

n/f B Cairns Property LLC

n/f Wainer, J Bradley

HAYSTACK CROSSING

HINESBURG ROAD

VT ROUTE 116

n/f Blomstrann, Jan

RIGGS BROOK

HALEY LANE

JENNA DRIVE

n/f Bertrand, Randall J & Robin J.

n/f Lyman, David Trustee

n/f Lyman, Thomas D & Jann

n/f Fortin, Michael A.

PROPOSED RIGHT IN - RIGHT OUT ONLY ENTRANCE

RIGGS ROAD

n/f KB Real Estate

n/f Wind NRG Systems

AGRICULTURAL DISTRICT

VILLAGE NW ZONING DISTRICT

JENNA DRIVE

HAYSTACK CROSSING

PROPOSED SHARED USE PATH

HARVEST LANE

CENTER ROAD

SOUTH END CIRCLE (PVT)

FIELD CREST LANE

n/f Wind NRG Systems

n/f Town of Hinesburg

Haystack Crossing, LLC

RIGGS BROOK

n/f Clark, Gary

n/f Jolley Associates

n/f Hinesburg Center, LLC

PATRICK BROOK

FUTURE RECREATION PATH

n/f Lyman, David

POTENTIAL SOLAR ARRAY (PHASE II)

NEW COMMUNITY WELL AND ISOLATION AREA

LAPLATTE RIVER

MINIMIZE SETBACKS AND FRONTAGES

GRAPHIC SCALE

150 0 75 150 300 600

(IN FEET)

1 inch = 150 ft.

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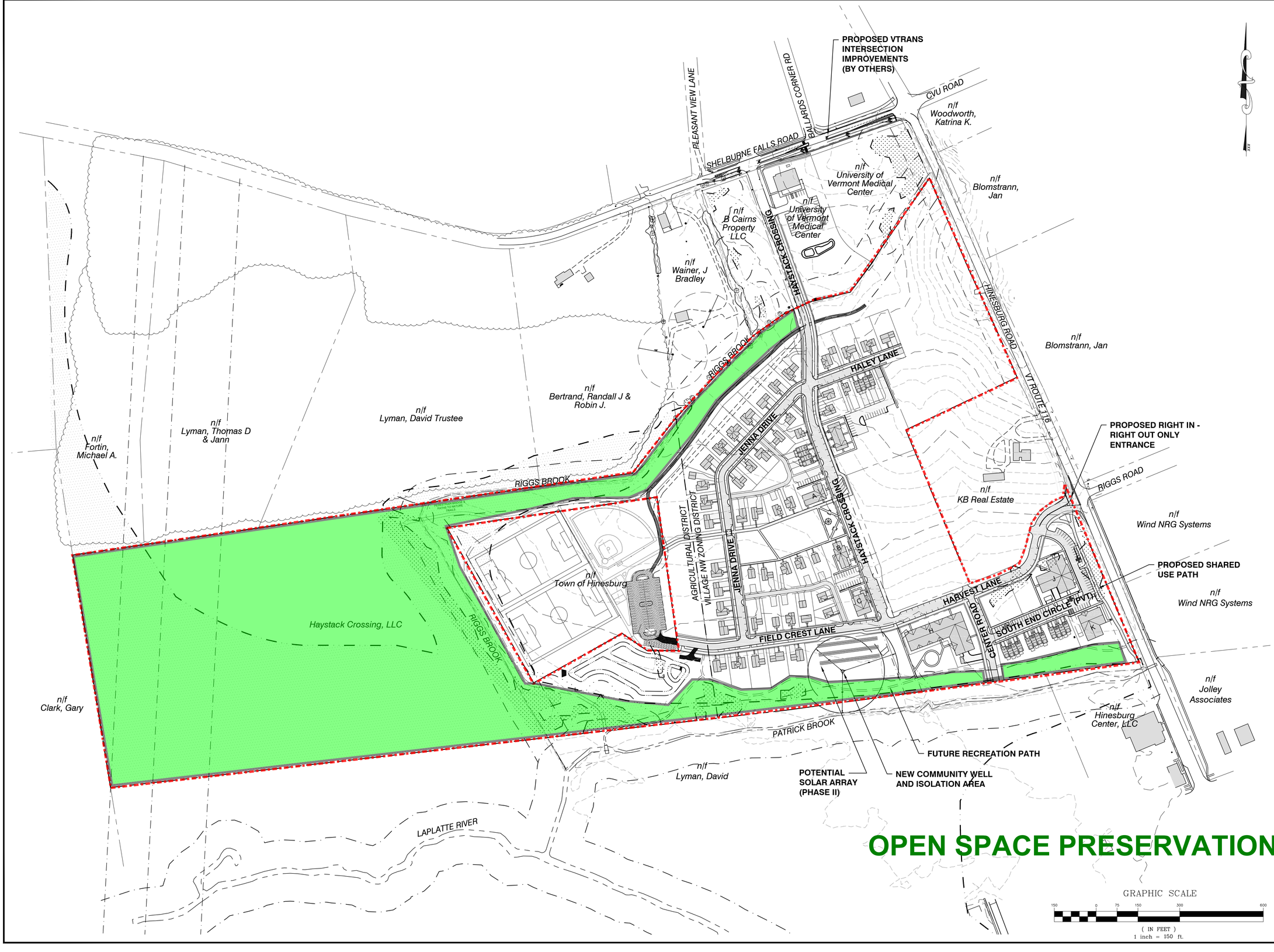

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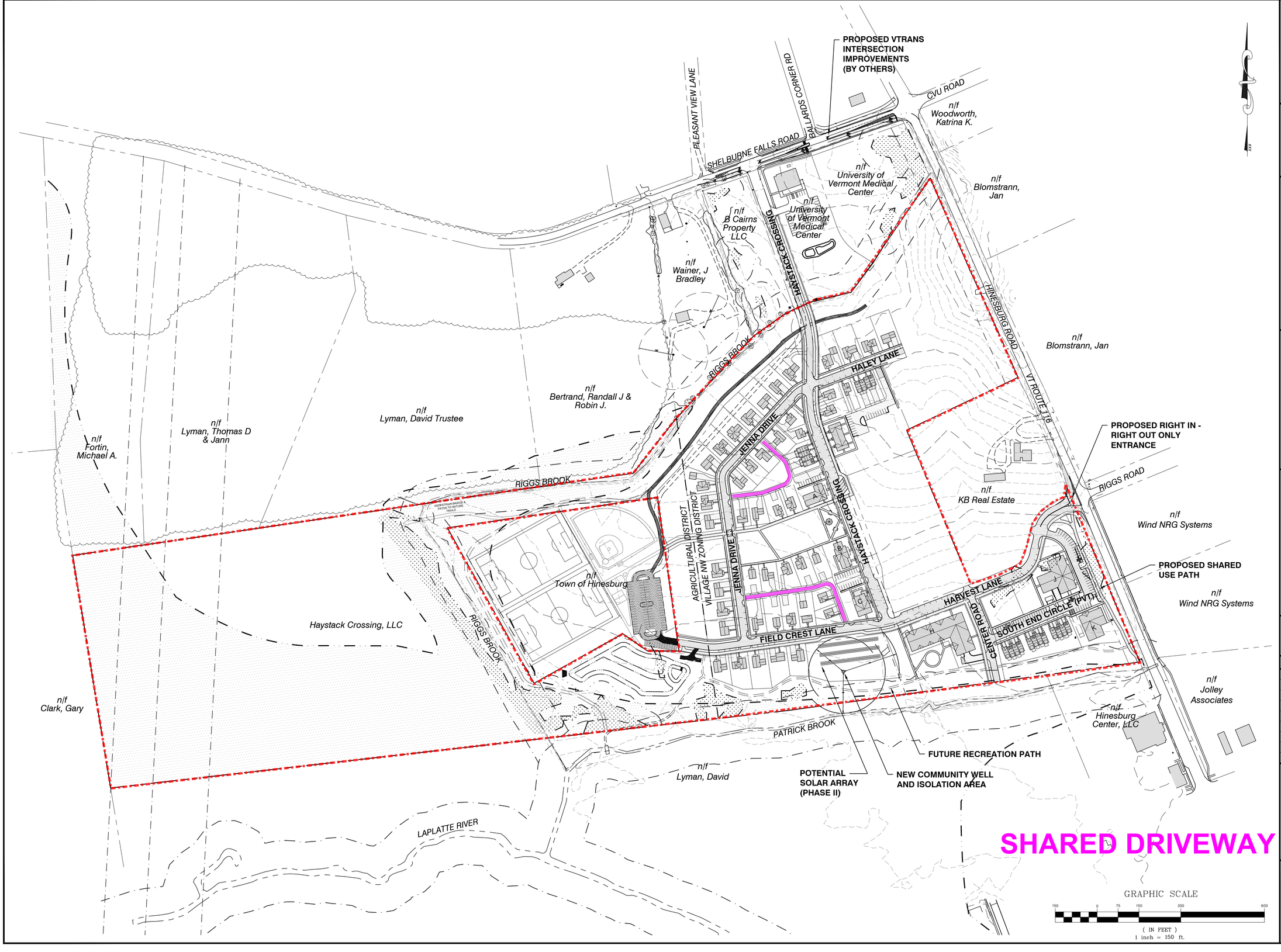

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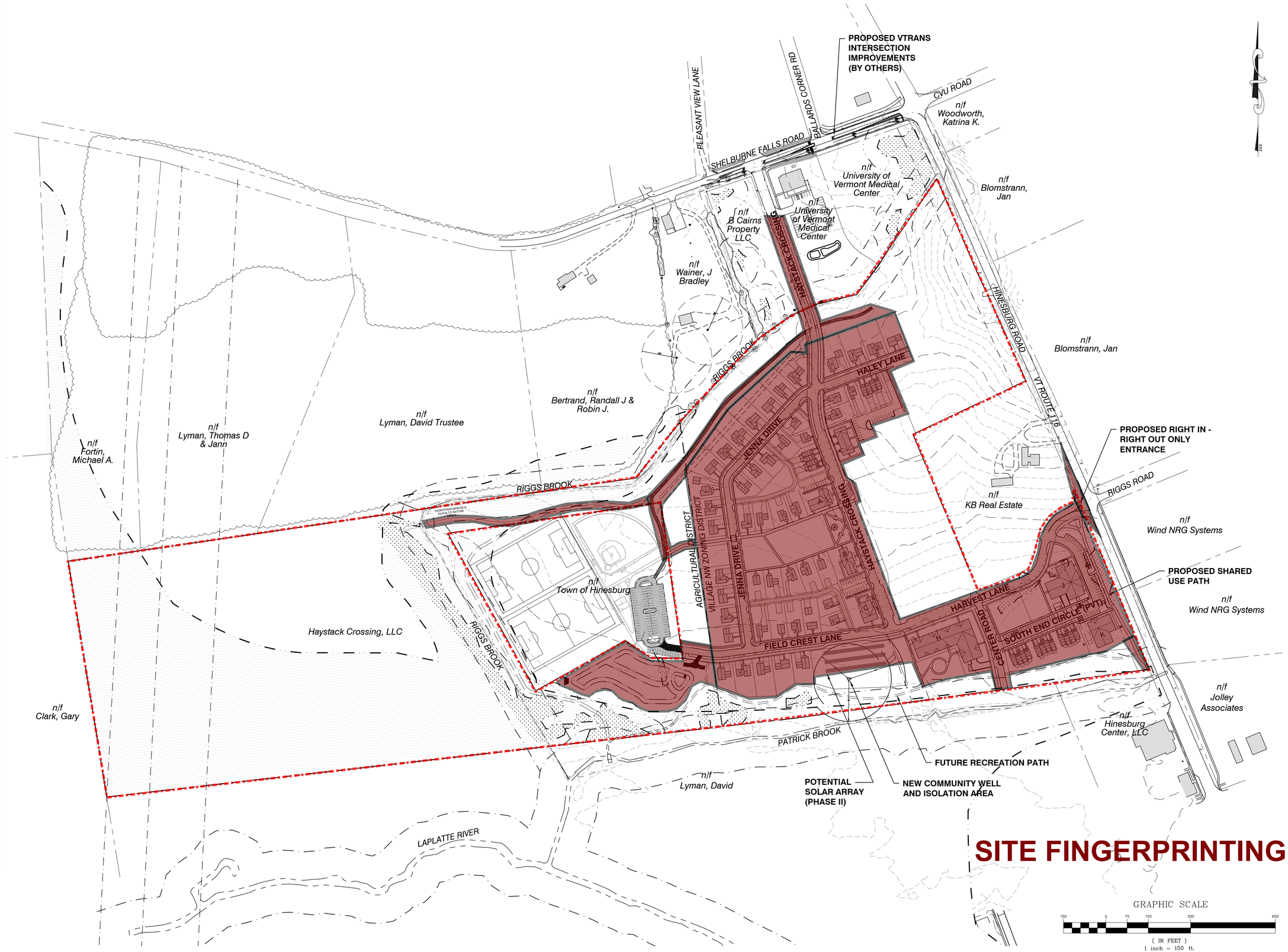

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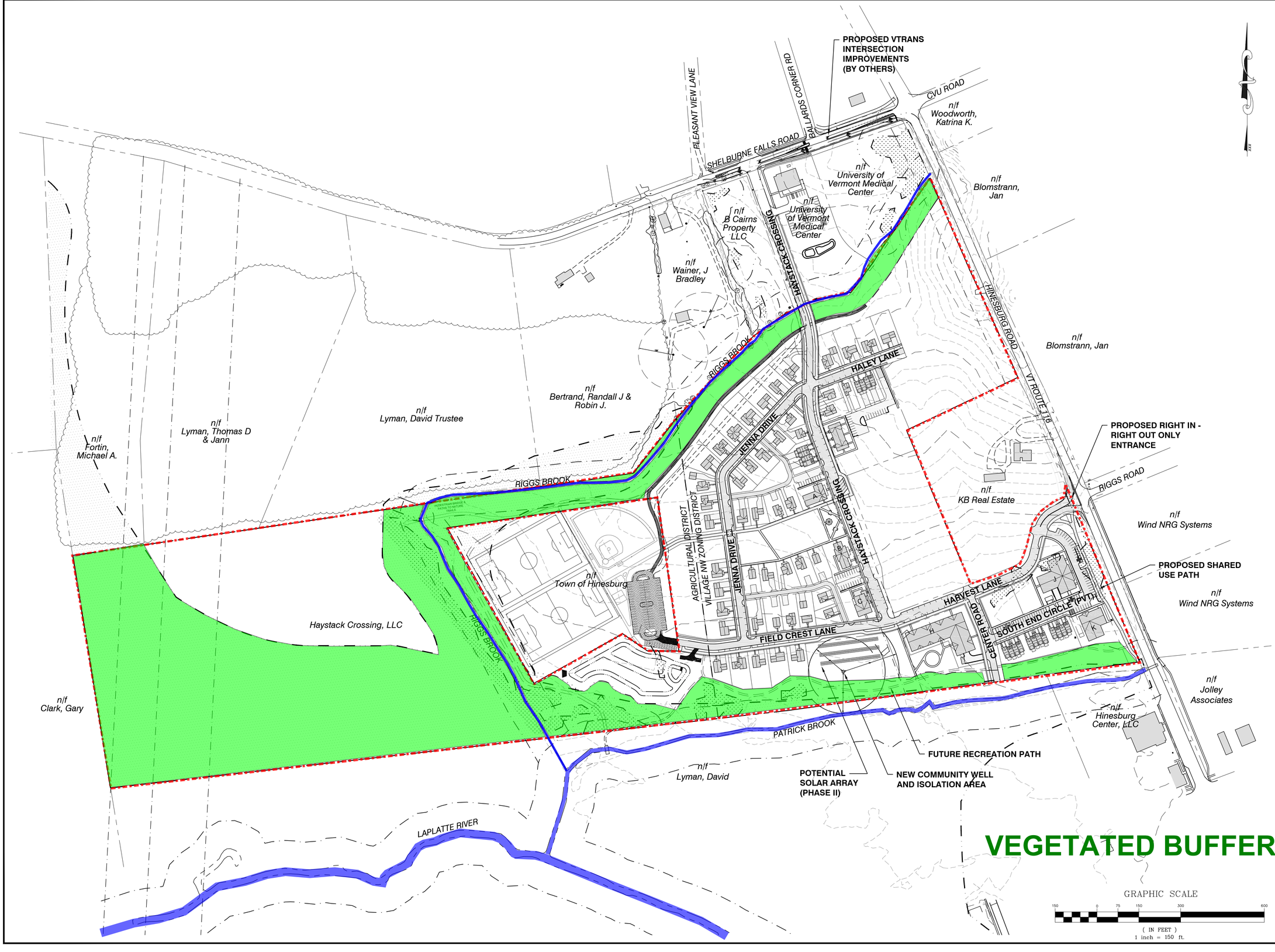

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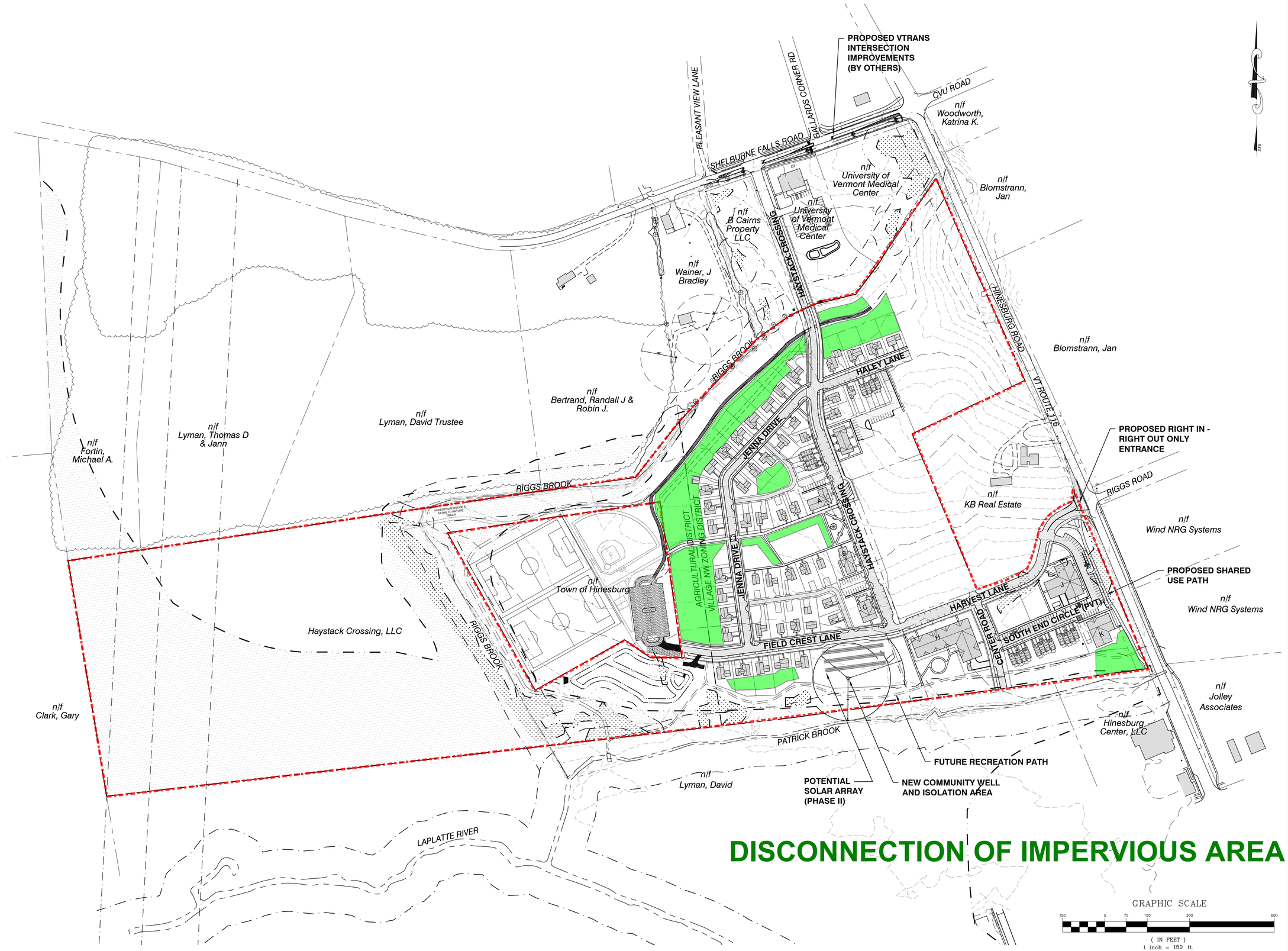

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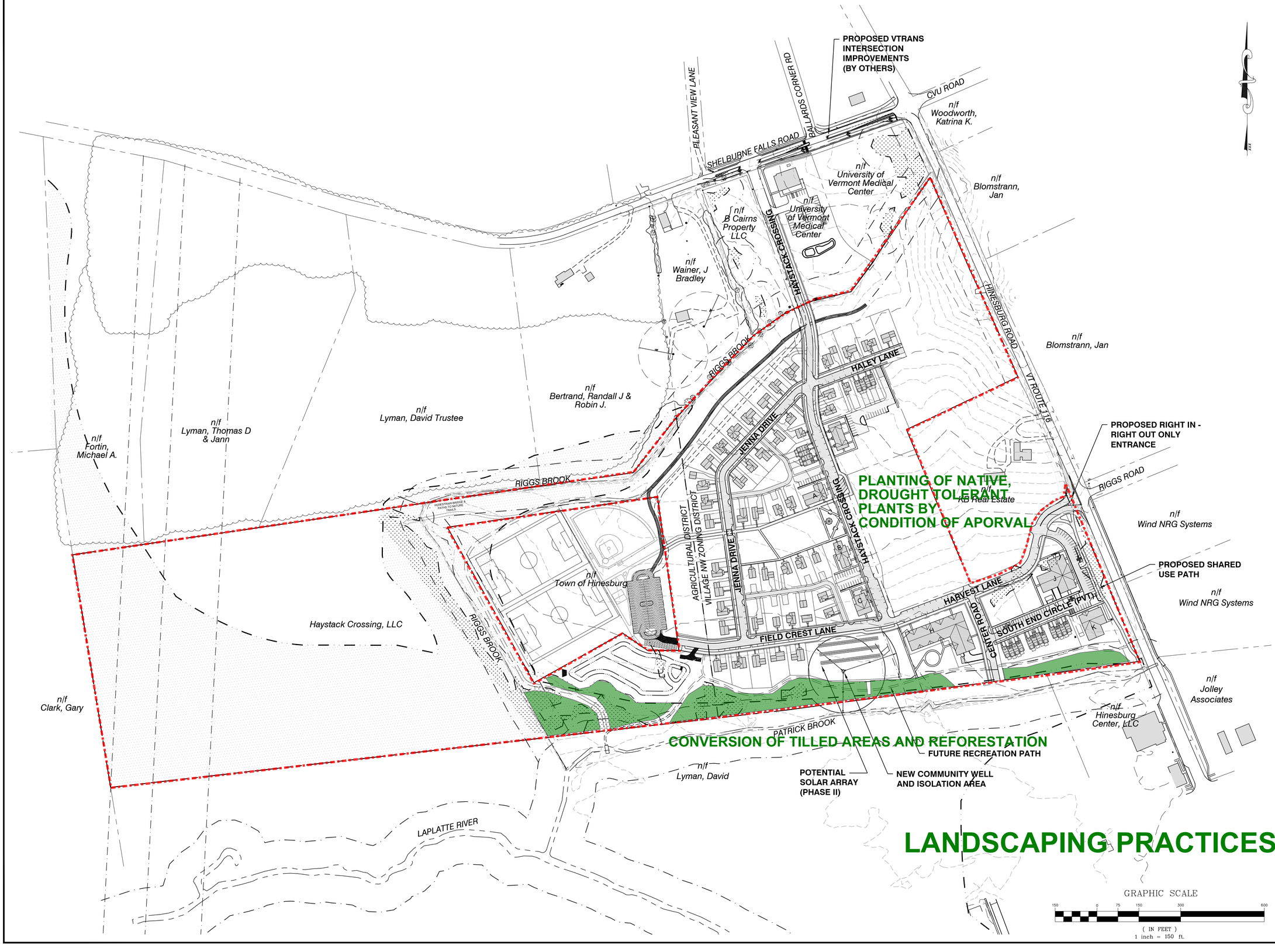

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Required Elements:

The Post-Construction Soil Depth and Quality Standard shall apply to all disturbed areas within the limits of the site which are not covered by an impervious surface, incorporated into a structural stormwater treatment practice, or engineered as structural fill once development is complete.
Undisturbed areas where the duff layer and native topsoil are retained meet the intent of this Standard and shall not be subject to disturbance solely for the purpose of soil amendment.
This practice shall not be required on soil slopes greater than 33 percent.
The practice standard of 4 inches shall apply on sites with fill soils that have replaced native soils, and sites where native topsoil was removed, regardless of whether or not existing soils have less than 4 inches of topsoil.

Post-Construction Soil Depth and Quality Treatment

Required Elements:
Soil retention. Retain, in an undisturbed state, the duff layer and native topsoil to the maximum extent practicable.

Soil quality. All areas subject to the Standard shall demonstrate the following:
A topsoil layer with a minimum organic matter content of 4% dry weight in planting beds and turf areas. The topsoil layer shall have a minimum depth of 4 inches, except where tree roots limit the depth of incorporation of amendments needed to meet the criteria or where native mapped soils indicate less than 4 inches of naturally occurring topsoil on an NRCS Official Soil Series Description. In those cases in which native mapped soils indicate less than 4 inches of naturally occurring topsoil, restored top soil depth shall match that indicated on the NRCS Official Soil Series Description.
Compost and other materials shall be used that meet the following requirements:

- **The compost or other materials shall have a carbon to nitrogen ratio below 25:1.**
- **Compost shall meet the definition of "compost" in the Agency's Solid Waste Management Rules or shall meet the contaminant standards in the Vermont Solid Waste Management Rules §6-1104(g)(6-7), §6-1105(e)(8-9), and §6-1106(e)(7-9). Compost or other organic materials may be amended to meet the foregoing requirements.**
- **Exceptional Quality biosolids (EQ biosolids) may be used as a soil amendment, at a maximum proportion of 35% of the total soil volume, and shall be well mixed with existing soil before or during application.**

The resulting soil shall be conducive to the type of vegetation to be established.
The soil quality requirements shall be met by using one or a combination of the following methods:

- **Option 1: Leave undisturbed native vegetation and soil, and protect from compaction during construction.**

identify areas of the site that will not be stripped, logged, graded, or driven on, and fence off those areas to prevent impacts during construction.
FAILURE TO ESTABLISH AND MAINTAIN EXCLUSIONARY CONTROLS AROUND THESE AREAS DURING THE CONSTRUCTION PHASE MAY TRIGGER THE REQUIREMENT TO RESTORE SOILS PER ONE OF THE FOLLOWING OPTIONS.

- **Option 2: Amend existing site topsoil or subsoil in place.**

Scarify or till subsoils to 4 inches of depth or to depth needed to achieve a total depth of 8 inches of uncompacted soil after calculated amount of amendment is added. Except for within the drip line of existing trees, the entire surface shall be disturbed by scarification;

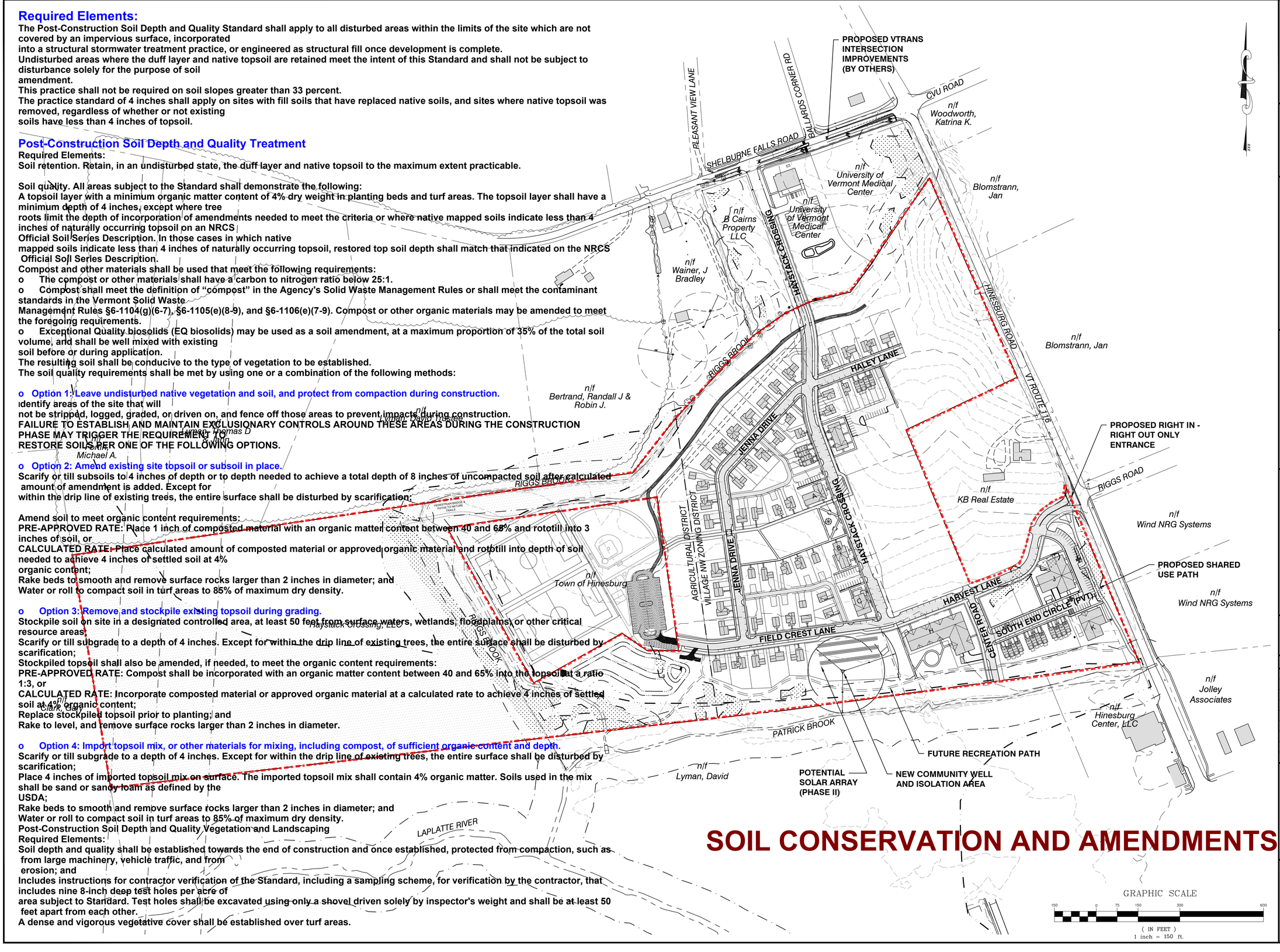
Amend soil to meet organic content requirements:
PRE-APPROVED RATE: Place 1 inch of composted material with an organic matter content between 40 and 65% and rototill into 3 inches of soil, or
CALCULATED RATE: Place calculated amount of composted material or approved organic material and rototill into depth of soil needed to achieve 4 inches of settled soil at 4% organic content;
Rake beds to smooth and remove surface rocks larger than 2 inches in diameter; and
Water or roll to compact soil in turf areas to 85% of maximum dry density.

- **Option 3: Remove and stockpile existing topsoil during grading.**

Stockpile soil on site in a designated controlled area, at least 50 feet from surface waters, wetlands, floodplains, or other critical resource areas;
Scarify or till subgrade to a depth of 4 inches. Except for within the drip line of existing trees, the entire surface shall be disturbed by scarification;
Stockpiled topsoil shall also be amended, if needed, to meet the organic content requirements:
PRE-APPROVED RATE: Compost shall be incorporated with an organic matter content between 40 and 65% into the topsoil at a ratio 1:3, or
CALCULATED RATE: Incorporate composted material or approved organic material at a calculated rate to achieve 4 inches of settled soil at 4% organic content;
Replace stockpiled topsoil prior to planting; and
Rake to level, and remove surface rocks larger than 2 inches in diameter.

- **Option 4: Import topsoil mix, or other materials for mixing, including compost, of sufficient organic content and depth.**

Scarify or till subgrade to a depth of 4 inches. Except for within the drip line of existing trees, the entire surface shall be disturbed by scarification;
Place 4 inches of imported topsoil mix on surface. The imported topsoil mix shall contain 4% organic matter. Soils used in the mix shall be sand or sandy loam as defined by the USDA;
Rake beds to smooth and remove surface rocks larger than 2 inches in diameter; and
Water or roll to compact soil in turf areas to 85% of maximum dry density.
Post-Construction Soil Depth and Quality Vegetation and Landscaping
Required Elements:
Soil depth and quality shall be established towards the end of construction and once established, protected from compaction, such as from large machinery, vehicle traffic, and from erosion; and
Includes instructions for contractor verification of the Standard, including a sampling scheme, for verification by the contractor, that includes nine 8-inch deep test holes per acre of area subject to Standard. Test holes shall be excavated using only a shovel driven solely by inspector's weight and shall be at least 50 feet apart from each other.
A dense and vigorous vegetative cover shall be established over turf areas.



SOIL CONSERVATION AND AMENDMENTS

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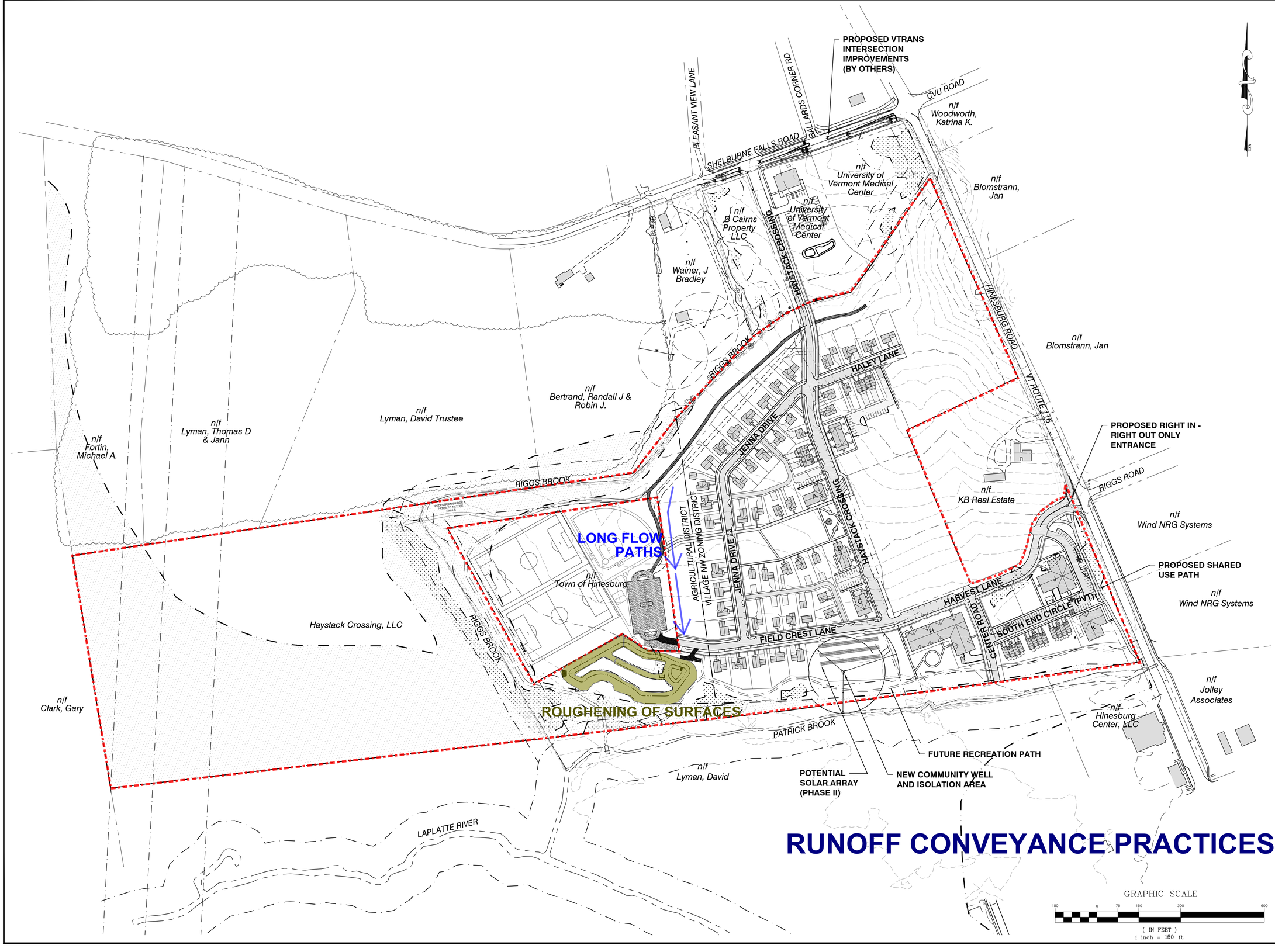

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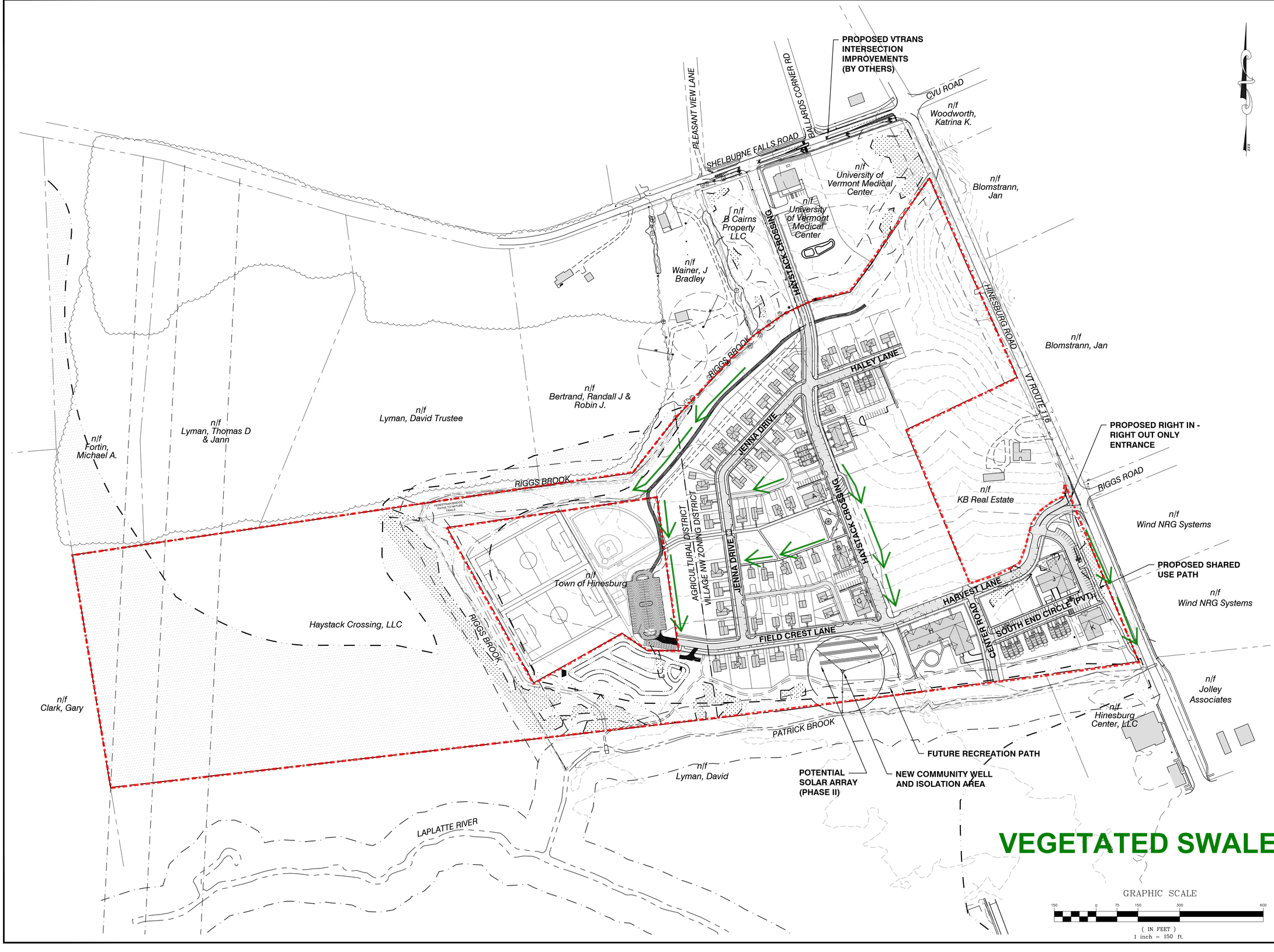

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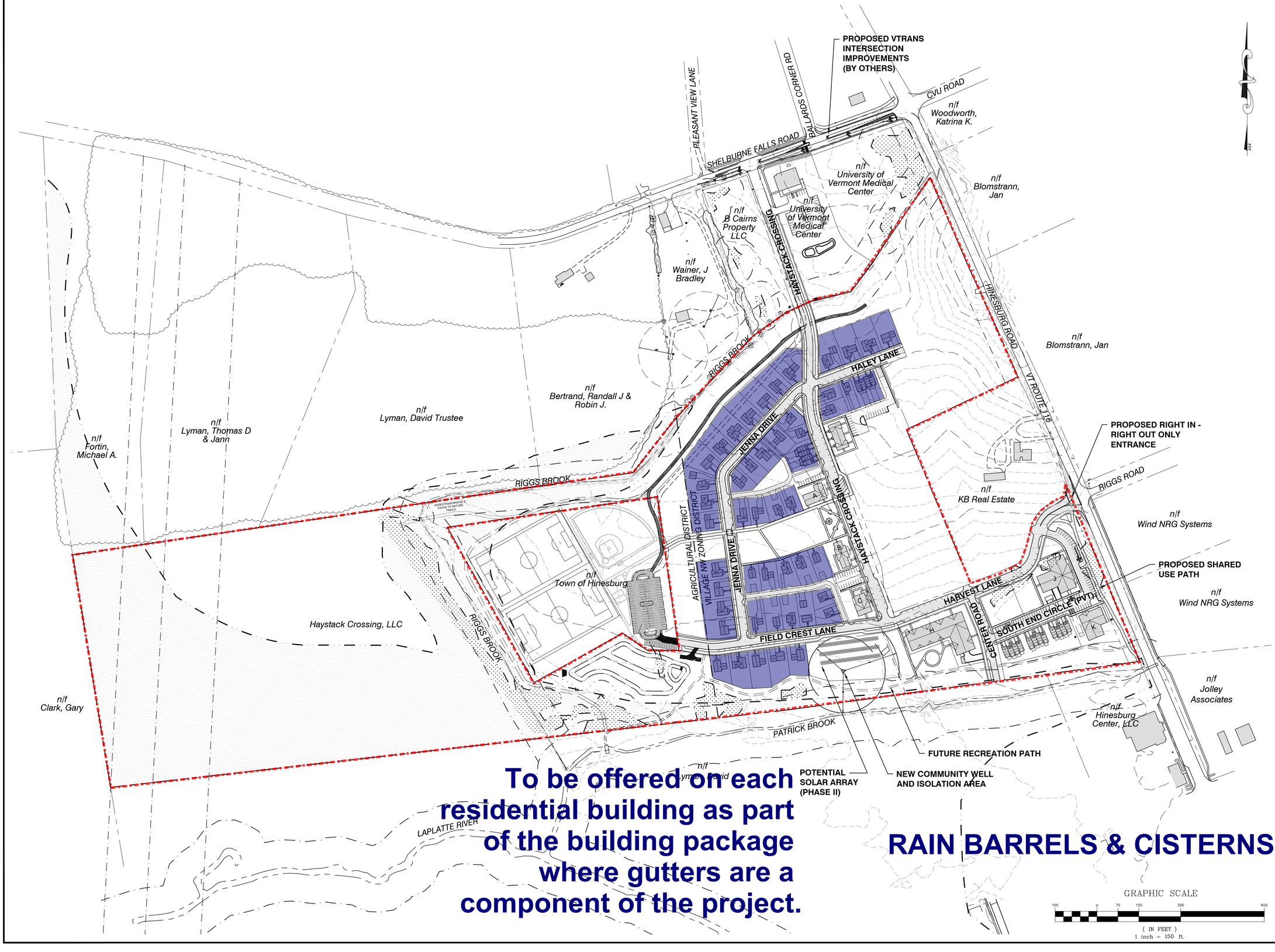

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