

Heartland

ECOLOGICAL GROUP INC

506 Springdale Street, Mount Horeb, WI 53572

October 13, 2025

Mr. Phil Sveum
No Oaks Ranch, LLC
P.O. Box 888
Longmont, CO 80502
philsveum@gmail.com
(608) 338-4299

RE: Tree Preservation Plan – No Oaks Ranch Subdivision, City of Fitchburg, Dane County, Wisconsin

Dear Phil:

Heartland Ecological Group, Inc. (“Heartland”) conducted a tree survey within a portion of the proposed No Oaks Ranch Subdivision (the “Project Area”) and prepared this Tree Preservation Plan on behalf of No Oaks Ranch, LLC (the “Developer”). The approximately 88-acre Project Area is located southeast of the intersection of S Syene Road and W Clayton Road in the City of Fitchburg, Dane County, Wisconsin (Figure 1, Attachment A). The Project Area is bound by a railroad ROW to the west and Central Park Place to the southwest, with Lacy Rd to the south and US Hwy 14 to the east.

The Preliminary Plat for the Project Area prepared by Burse Surveying & Engineering Inc. (dated August 15, 2025) depicts the location of proposed roads, residential lots, mixed-use lots, and outlots for the Subdivision (Attachment B). Outlots will be utilized for a variety of purposes including public parkland, open space, alleys, utility easements, stormwater management, conservancy and environmental corridor lands, and paths. Proposed outlot designations are on the Preliminary Plat. A general concept plan for the Subdivision with Smartcode Zoning classifications (Amendment 12, dated June 30, 2025) is also provided in Attachment B. Updates have been made to proposed stormwater facility, road, and lot/outlot locations since this concept plan was most recently amended.

Grading limits for the Project Area are preliminary at this stage of design. Approximate grading limits provided by MSA (the “Engineer”) are depicted on Figure 3 (Attachment A).

Tree Preservation Plan Ordinance

This Tree Preservation Plan was prepared in accordance with City of Fitchburg (“City”) Ordinance 2023-O-11 dated June 13, 2023 (Attachment C). The ordinance requires that a tree preservation plan is included with preliminary plats for review by the plan commission, City staff, and the City Forester. The ordinance identifies specific desirable tree species that need to be surveyed and assessed for preservation and protection during development. The plan needs to provide measures to protect desirable trees in accordance with the City’s Tree Protection Guidelines (Attachment C).



Qualifications

The tree survey and this plan were completed by Sarah Kraszewski, Heartland Senior Ecologist/Project Manager, and Soleil Bieniek, Heartland Environmental Technician/GIS Specialist. Sarah has over 16 years of experience in environmental consulting, with a focus on conducting natural resource assessments for utility projects, proposed developments, and ecosystem restoration projects. She is experienced in plant identification and has conducted numerous tree surveys for various ecological assessments, savanna/woodland restoration projects, and proposed developments within the upper Midwest. She is experienced at writing restoration, open space, and stewardship plans. Soleil has over two years of experience in the natural resources and ecosystem restoration field. She conducts vegetation monitoring, restoration establishment assessments, and wetland delineation field work. Soleil is experienced with GIS data processing and analysis for natural resources assessments.

Tree Survey Methods

The tree survey was conducted on May 7, 2025. The entire Project Area was meandered on foot. Heartland utilized a GPS capable of sub-meter accuracy to collect a point at each "Desirable Tree" species, as defined in the Ordinance, that meets or exceeds six inches diameter at breast height (DBH). The DBH was assessed as the sum of the two largest trunks for multi-trunked trees. Each tree was given a unique identification number and the tree species, DBH (inches), and general health of the tree (i.e., good, moderate, poor) were recorded at each GPS point.

Identification to species level within the red oak group was challenging due to the spring timing of the field assessment and the ability of these species to hybridize. Leaves were just starting to open or were tiny, no acorns were present, and buds were difficult to see. Oaks in the red oak group were all identified as black oak (*Quercus velutina*) for the purpose of this assessment and based on the overall habitat of the Project Area; however, red oak (*Q. rubra*) and northern pin oak (*Q. ellipsoidalis*) may also be present. Representative photos were taken of the Project Area and general notes were collected regarding the current land use and habitats.

Project Area Description and Tree Survey Results

The Project Area consists primarily of agricultural fields. Mature trees are present along the field edges, along an unfarmed drainageway and old fields, and within two woodland areas. A total of 216 desirable trees were recorded within the Project Area consisting of the following species: shagbark hickory (*Carya ovata*), hackberry (*Celtis occidentalis*), swamp white oak (*Quercus bicolor*), bur oak (*Quercus macrocarpa*), and black oak (which may include red and northern pin oak).

Figure 2 (Attachment A) provides an overview of the Project Area with surveyed desirable tree points overlaid on the Smartcode Zoning concept plan. Detail sheets are provided in Figure 3 (Attachment A) that depict tree identification numbers, approximate grading limits, and desirable trees to be removed. Table 1 (Attachment D) lists trees in order of tree identification number and provides the species, DBH, general health observations, and notes. The Protected Root Zone (PRZ) is included for each tree based on the DBH



multiplied by 18 per the City Tree Protection and Pruning Guidelines (Attachment C).

The western perimeter of the Project Area contains an unmaintained wooded edge that abuts the railroad corridor. This wood line is dominated by disturbance tolerant vegetation with only a few desirable trees recorded, some of which were in poor health.

Wooded areas are present within the northcentral and northeastern portion of the Project Area. The western third of this area is a disturbed community with mowed paths, previous soil disturbance, and a lack of desirable tree species beyond the northern perimeter. Dominant trees present in this disturbed area were eastern cottonwood (*Populus deltoides*) and box elder (*Acer negundo*) with invasive bush honeysuckle (*Lonicera* spp.) common in the understory.

Mesic/dry-mesic woodland located west of the drainageway has a high component of desirable trees consisting primarily of shagbark hickory intermixed with various oak and a few hackberry. The shagbark hickory were generally crowded but rated as moderate to good health. The understory of the woodland was degraded and invasive bush honeysuckle was common although a few patches of spring ephemerals were observed. Other common canopy trees in this woodland were black walnut (*Juglans nigra*) and quaking aspen (*Populus tremuloides*).

Shagbark hickory was also the most common desirable tree within the wooded area east of the drainageway. Dominant trees in this area were primarily not considered desirable species, specifically box elder and black walnut. There were some native herbaceous species remaining in the understory, but the area was overall degraded by invasive species such as garlic mustard (*Alliaria petiolata*) and thickets of invasive bush honeysuckle.

Woodland east of the Northern Sod Farms property contained bur oak and shagbark hickory in the far southern portion, but the remainder of the woodland was dominated by black walnut with a thicket of invasive bush honeysuckle. The central and southern portions of unfarmed land associated with the drainageway lacked desirable trees. The primary observed trees included eastern cottonwood, box elder, and black walnut with some big tooth aspen (*Populus grandidentata*) and Siberian elm (*Ulmus pumila*).

Tree Protection Measures

The Engineer made significant adjustments to the grading limits of the Project Area to preserve desirable trees, where feasible, based on Heartland's tree survey results. Most desirable trees are located within proposed outlots that will be protected for conservancy, open space, and/or environmental corridor purposes. A total of 15 desirable trees will be removed that are located within roadways, other grading limits, or where there could not be a sufficient PRZ placed around the tree during construction. Three of the trees to be removed (#14-16) were observed to be in poor health. Trees to be removed are depicted on Figure 3 (Attachment A) and Table 1 (Attachment D).

Desirable trees to be saved and their associated PRZ buffers will be incorporated into construction plan sets that will be provided to all contractors involved in earthwork and vegetation clearing. The Developer/Engineer will go over the tree protection measures with the contractors during the pre-construction meeting. Barrier fencing will be erected and maintained along the grading limits of the western perimeter, the northern perimeter, and



around the outer boundary of woodlands to be protected in the northcentral and northeast portions of the Project Area. The fencing will be placed outside of the PRZ limits of trees to be protected. Visible "Off Limits" signs will be posted at 50-ft intervals along the fence. The barrier fence may consist of metal fencing or orange snow fence with t-posts. If snow fence is utilized, straw bales will be placed inside of the grading limits along the snow fencing where there are desirable trees beyond the fence to provide an additional bumper to equipment that may get too close to the fencing.

Desirable trees to be saved along the western and northern Project Area perimeters as well as any trees near the grading limits within the woodlands will be marked with tree protection flagging prior to installation of the snow fencing for additional visual notification. If any shrubs or trees to be removed (both non-desirable and desirable) are within the PRZ of trees to be preserved, those trees and shrubs must be removed with a chainsaw and stump grinder rather than bulldozed to avoid damaging the roots, trunks, and limbs of the tree(s) designated for preservation. Tree protection measures including snow fence, signage, straw bales, and flagging tape must be routinely inspected and maintained for the duration of the project and may be removed during/after final restoration.

Conclusion

Heartland conducted a tree survey within a portion of the No Oaks Ranch Subdivision and prepared this Tree Preservation Plan on behalf of No Oaks Ranch, LLC. The Developer and Engineer made significant adjustments to the grading limits to preserve desirable trees. This Plan identifies the location of desirable trees, which desirable trees will be removed, and provides measures to protect desirable trees, as feasible, during construction. Adjustments may be made to grading limits as the project progresses that may result in additional tree removals based on field conditions at the time of construction or if those trees cannot be adequately protected during construction. The Engineer and Developer should work closely with the City Forester to discuss any adjustments to this Plan and are responsible for ensuring that the construction contractors understand and comply with the tree protection measures.

Please let me know if you have any questions regarding this Plan.

Sincerely,

Sarah Kraszewski, Senior Ecologist
Heartland Ecological Group, Inc.
sarah@heartlandecological.com
(608) 598-7383

Attachments: Attachment A. Heartland Figures
Attachment B. Preliminary Subdivision Plans
Attachment C. City Ordinances and Guidelines
Attachment D. Table 1. Desirable Tree Survey Data
Attachment E. Photo Log



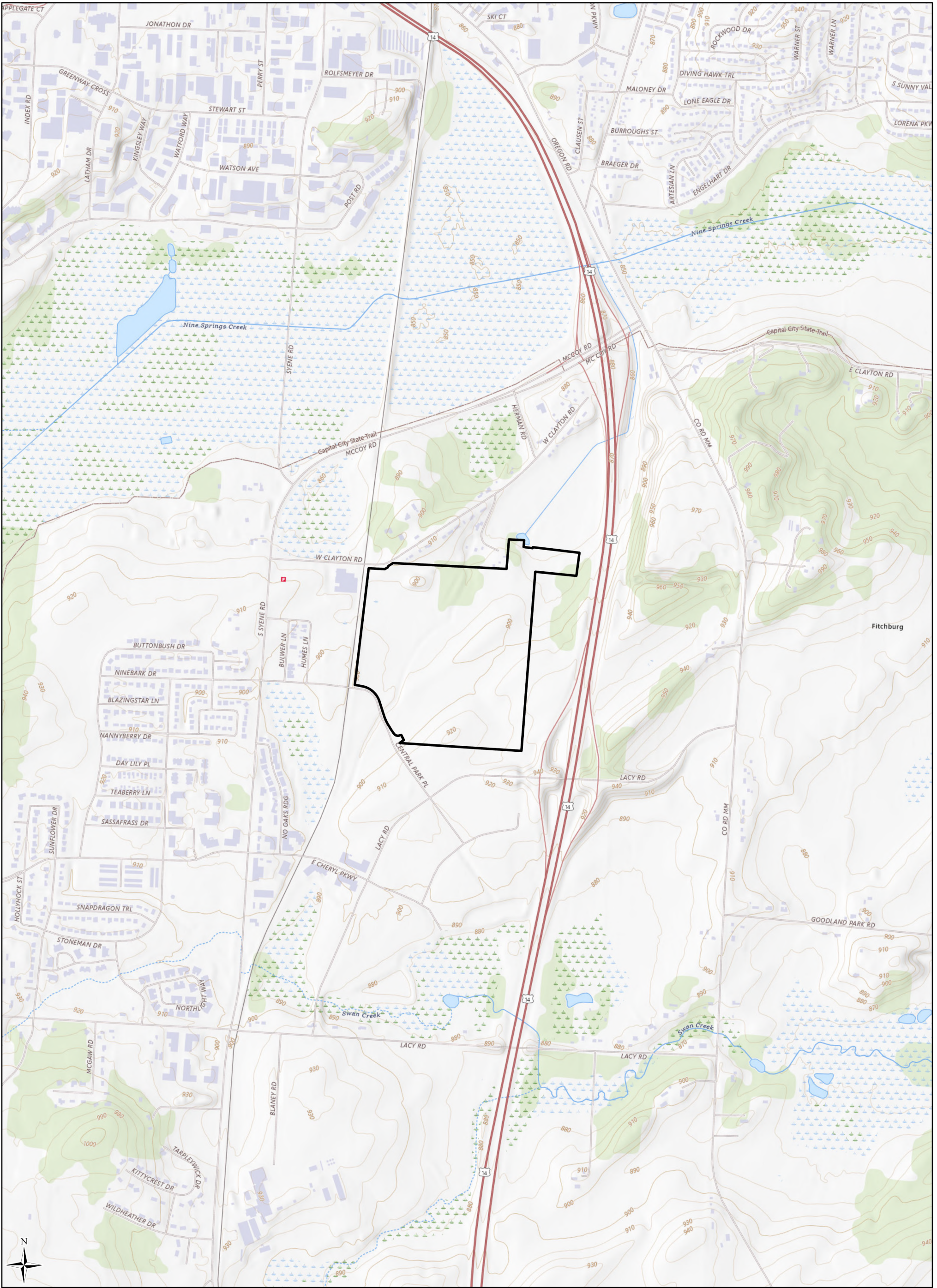
No Oaks Ranch, LLC
No Oaks Ranch Tree Preservation Plan
Project #: 20241403
October 13, 2025

Attachment A | Heartland Figures

Figure 1. Project Location and Topography

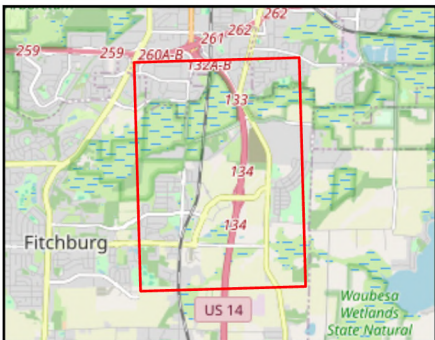
Figure 2. Tree Survey Overview

Figure 3. Tree Survey Detail



Project Area (88.72 ac)

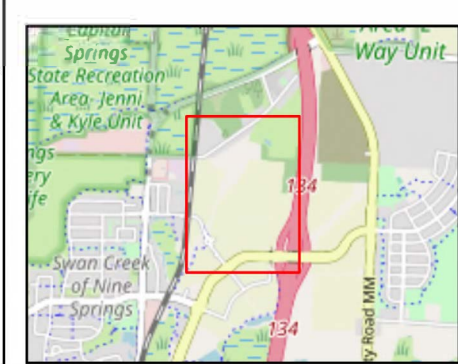
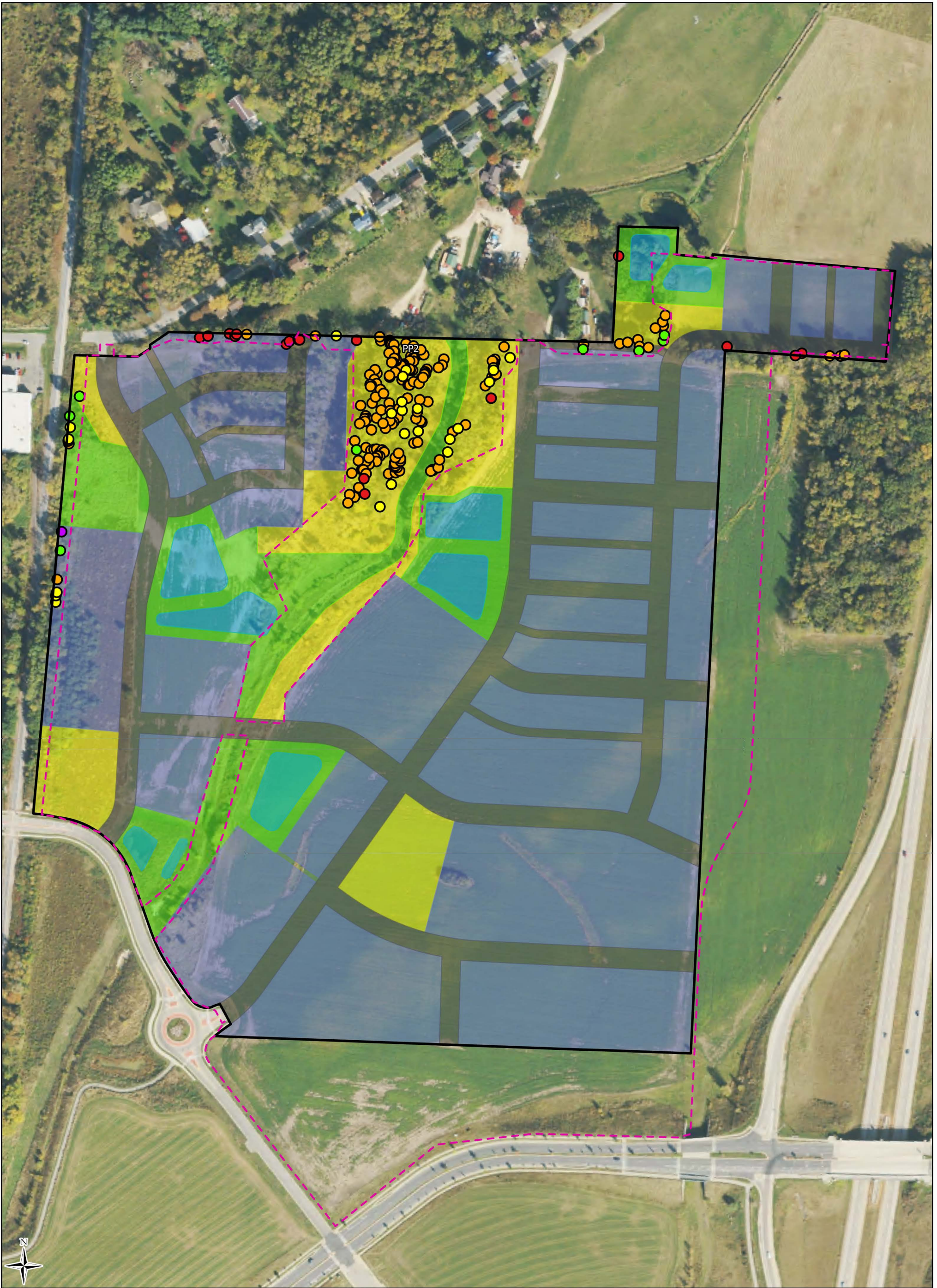
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Figure 1. Project Location and Topography
No Oaks Ranch
Project #20241403
T6N, R9E, S11, S12, S1
C Fitchburg, Dane Co

USGS HEG LRR: Midwest
Figure Created: 10/10/2025



- Project Area (88.72 ac)
- Approx. Grading Limits
- Carya ovata
- Celtis occidentalis
- Quercus bicolor
- Quercus macrocarpa
- Quercus velutina *
- Civic Space
- Natural Zone
- Stormwater Features
- Parcels
- Roads

0 350 Ft

Tree Survey Points

Preliminary Zoning**

*Identification to species within the red oak group was challenging due to the time of year of the assessment. All red oaks were coded as Q. velutina but may include Q. rubra and Q. ellipsoidalis.

**Refer to the concept plan for Smartcode Zoning classifications.

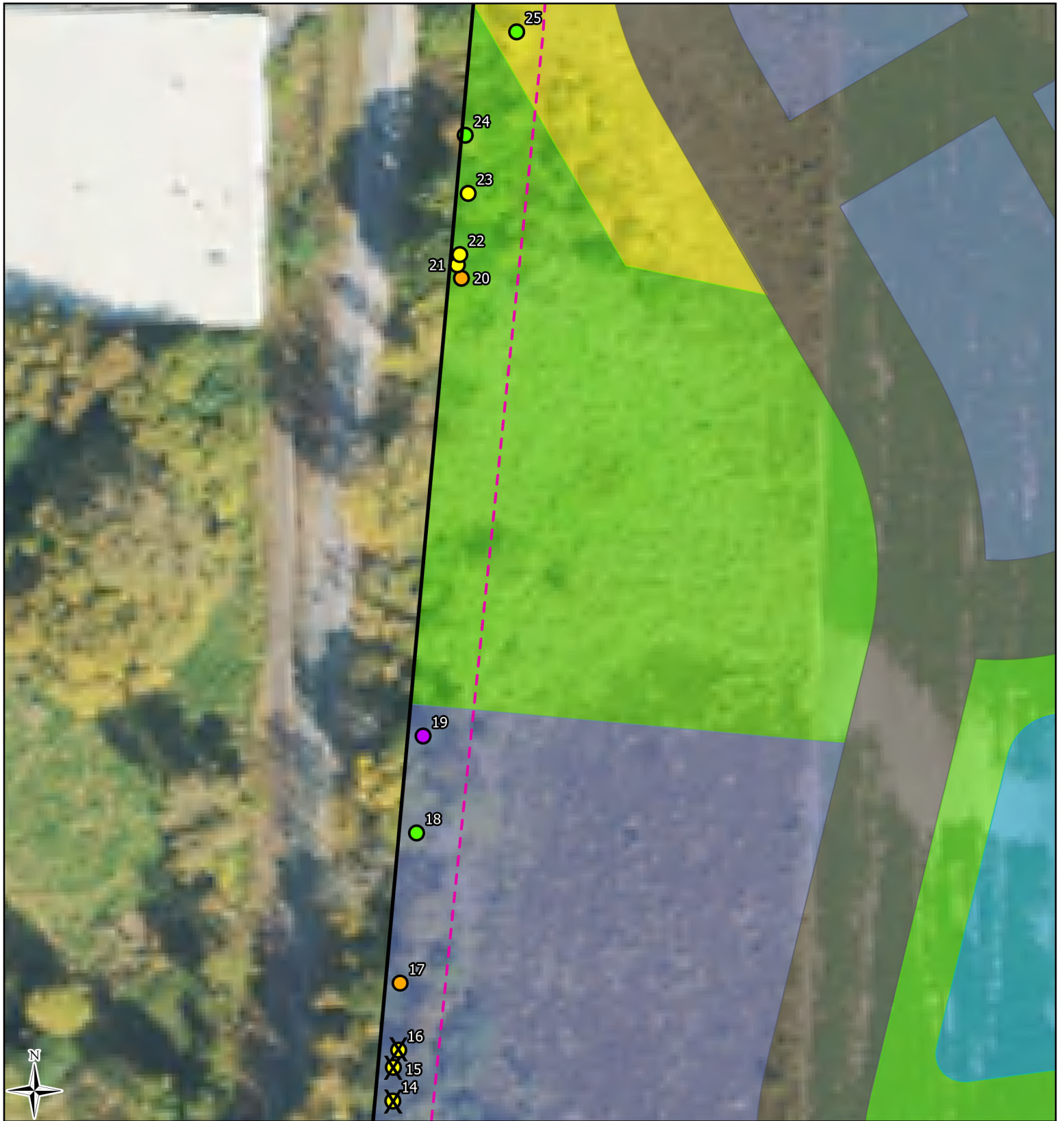
Heartland
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Figure 2. Tree Survey Overview

No Oaks Ranch
Project #20241403
T6N, R9E, S11, S12, S1
C Fitchburg, Dane Co

2024 NAIP
Dane Co, HEG

LRR: Midwest
Figure Created: 10/10/2025



Project Area (88.72 ac)
 Approx. Grading Limits

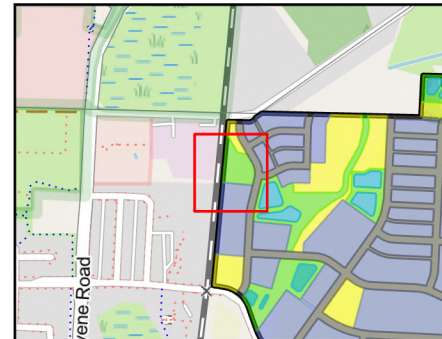
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 - Quercus velutina*
 - X Trees to be Removed

Preliminary Zoning**

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- Natural Zone
- Parcels
- Roads
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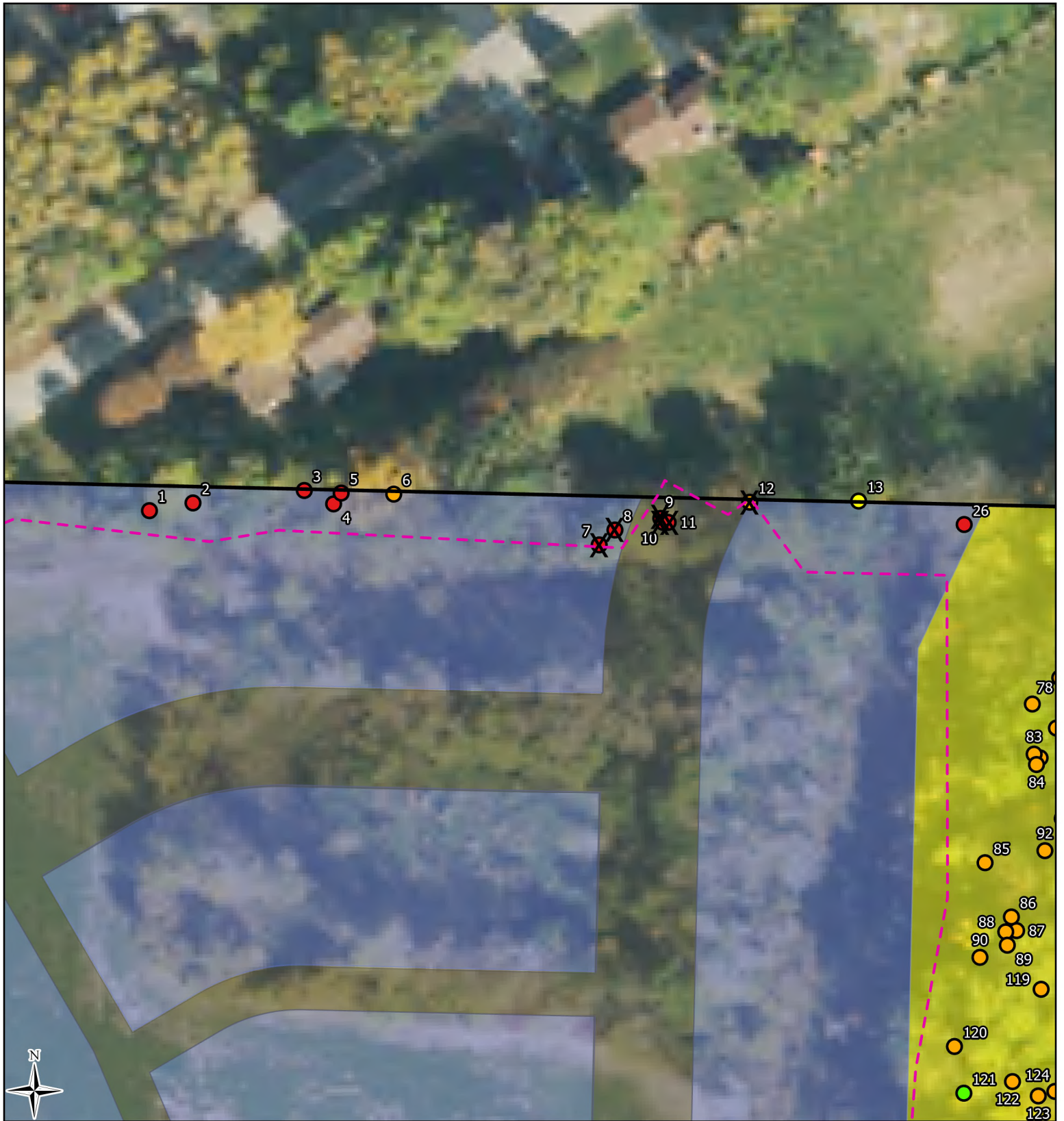
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Figure 3. Tree Survey Detail

No Oaks Ranch
 Project #20241403
 T6N, R9E, S11, S12, S1
 C Fitchburg, Dane Co

2024 NAIP
 Dane Co, HEG
 LRR: Midwest

Figure Created: 10/10/2025



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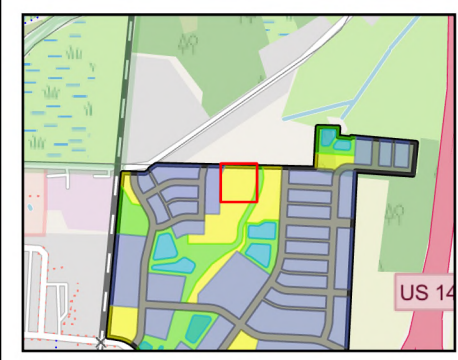
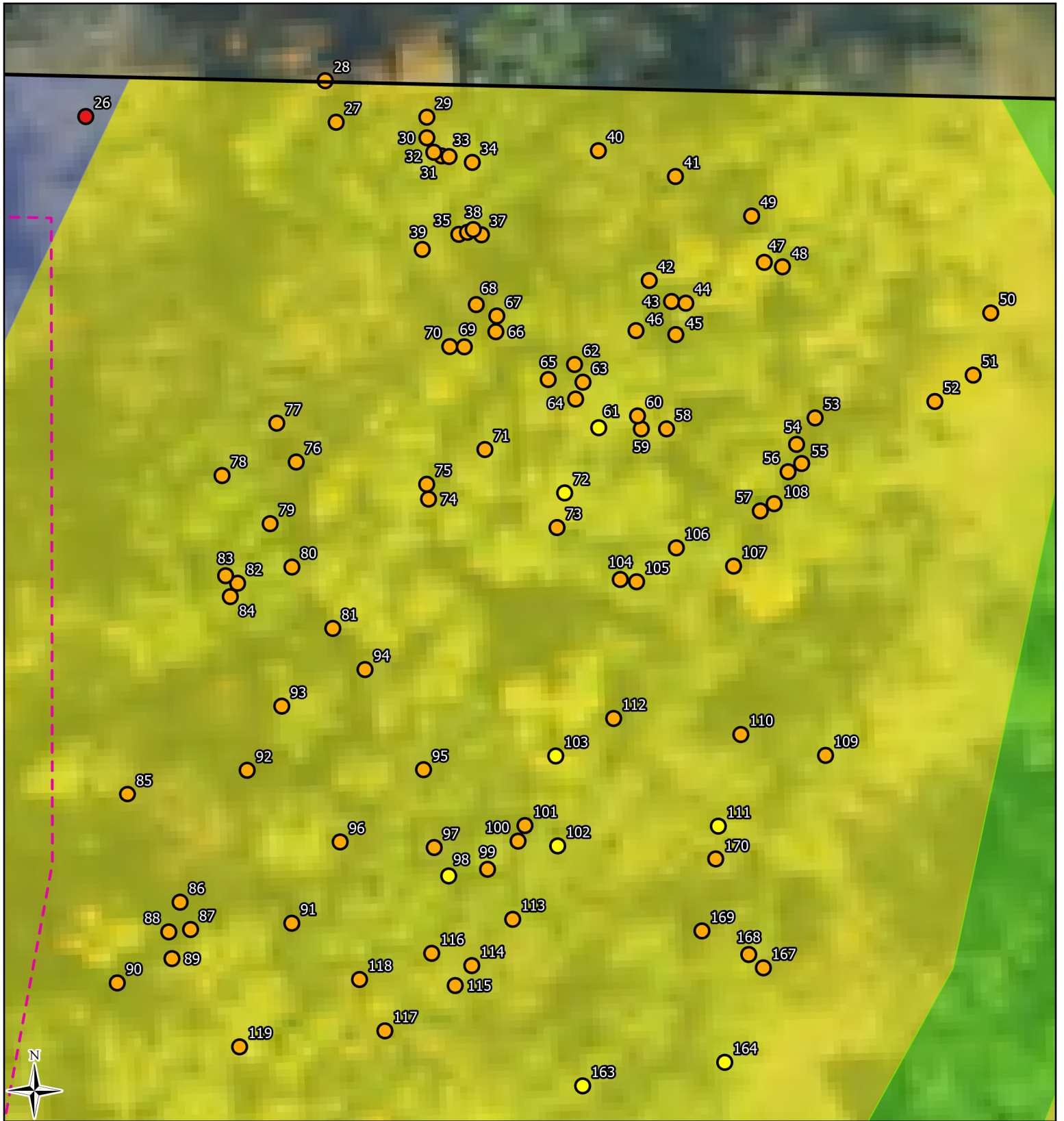
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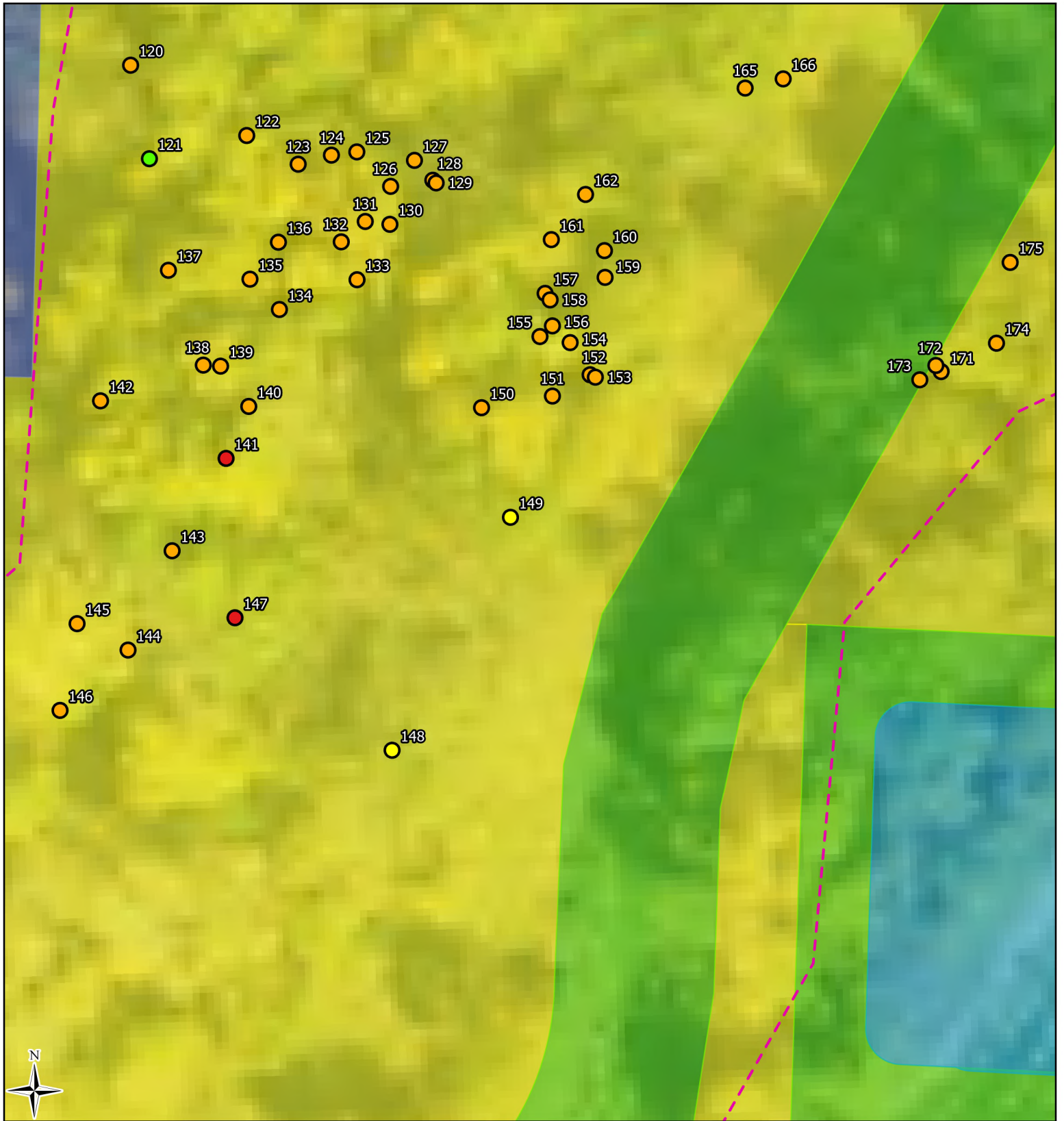
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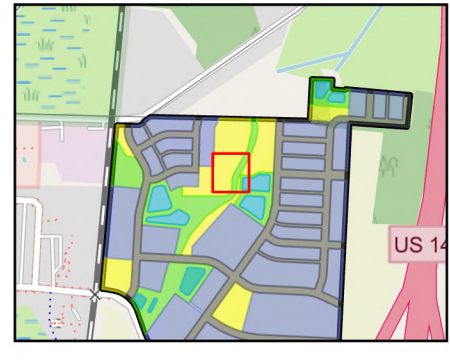
Preliminary Zoning ^{**}₀ 50 Ft

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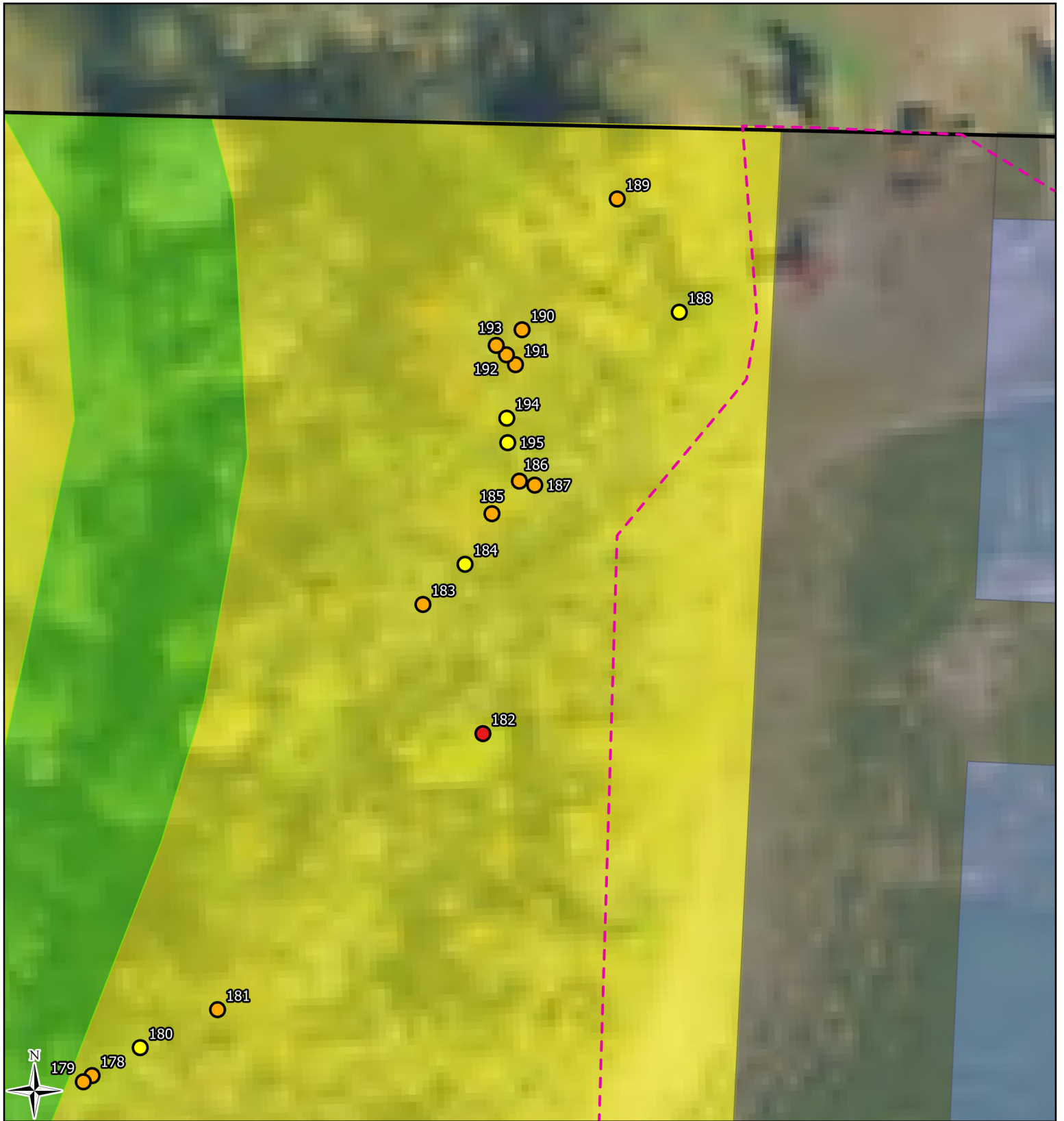


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 C Fitchburg, Dane Co

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 Figure Created: 10/10/2025



Preliminary Zoning ^{**}₀

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Tree Survey Points

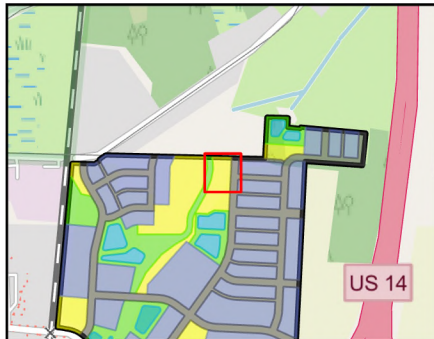
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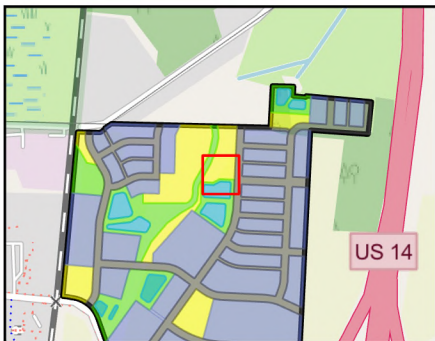
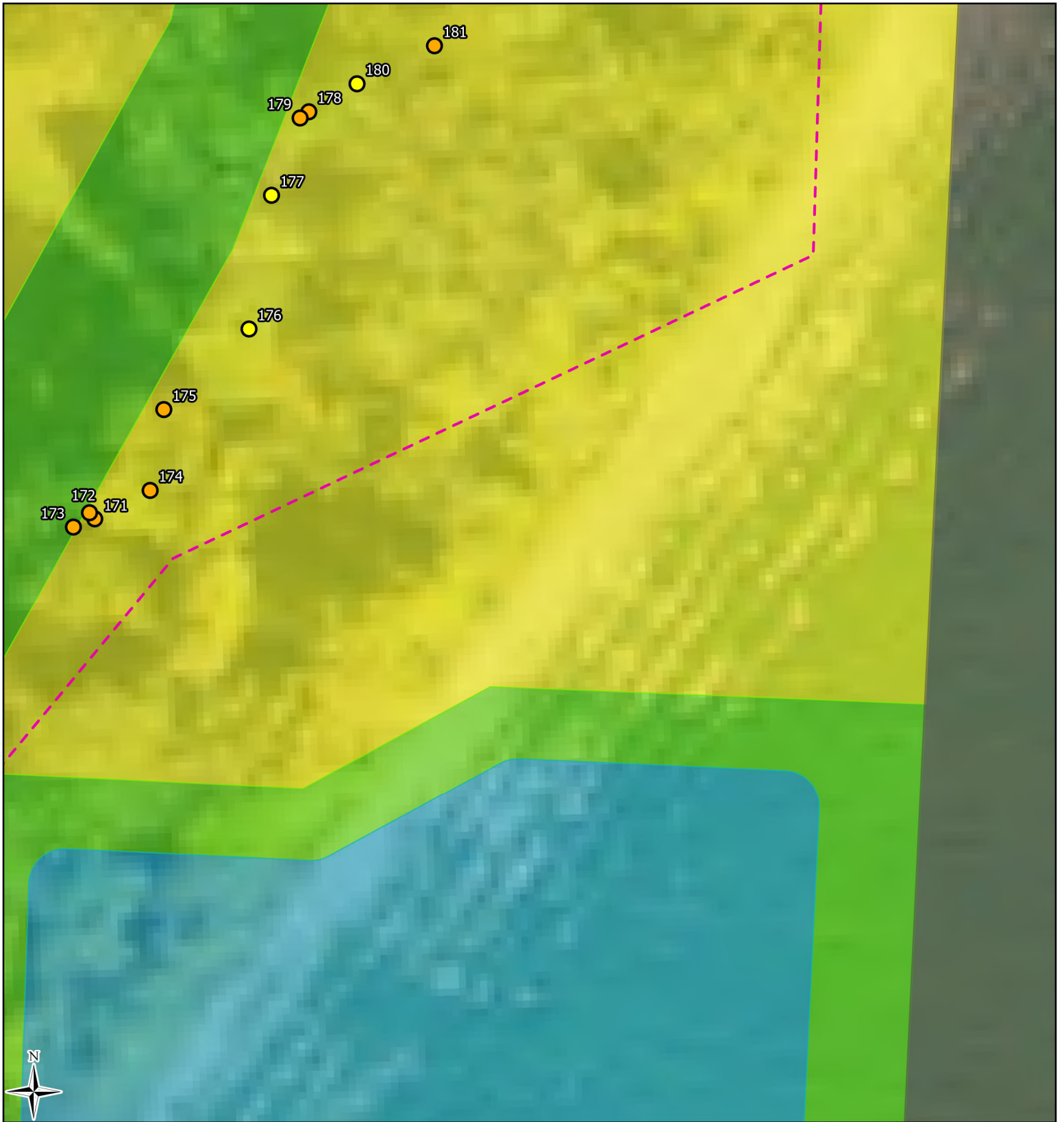
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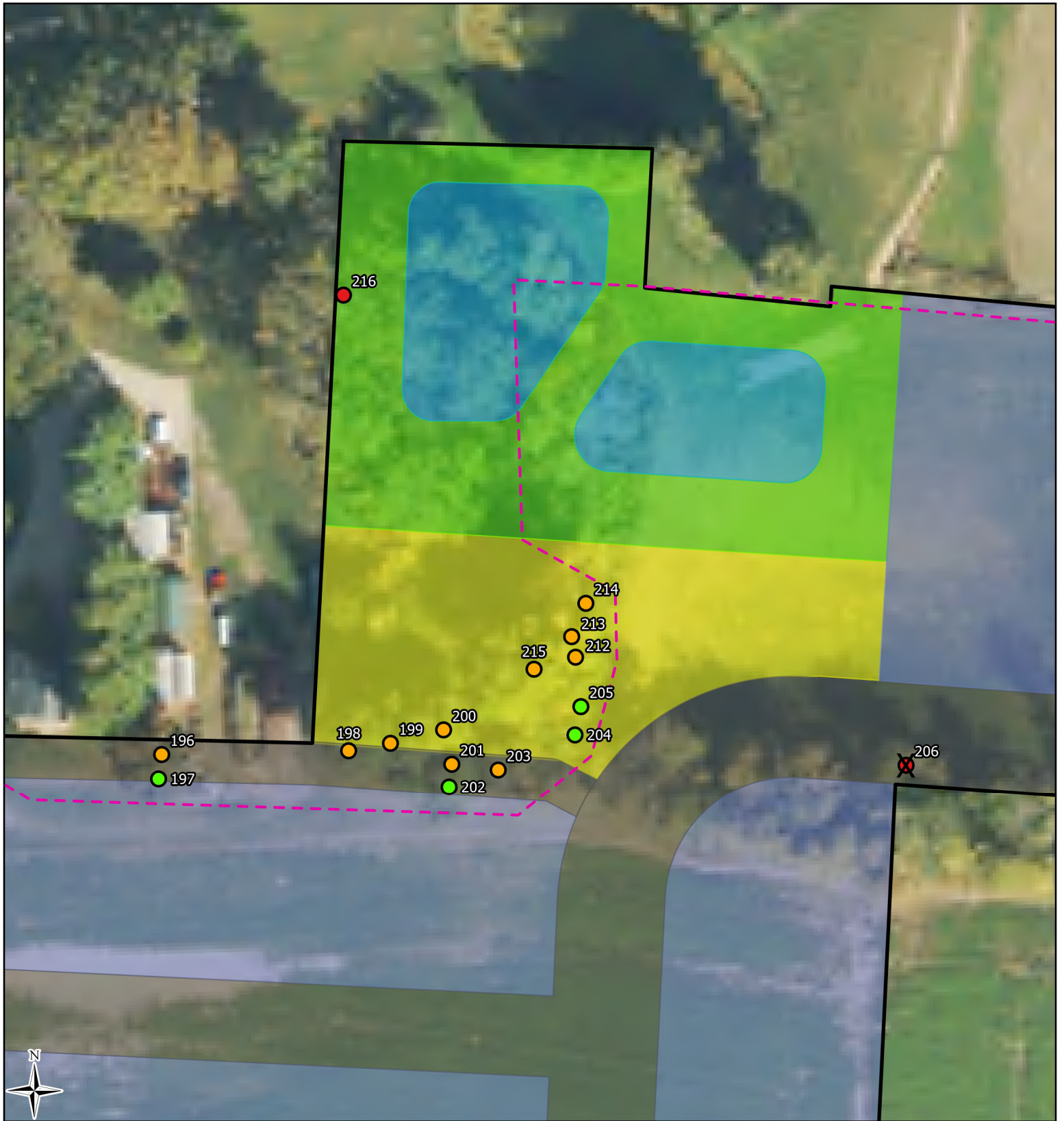


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2024 NAIP
 Dane Co, HEG LRR: Midwest

Figure Created: 10/10/2025



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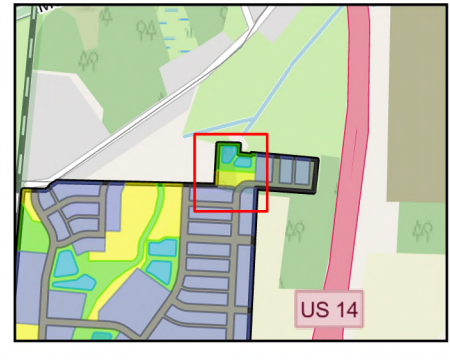


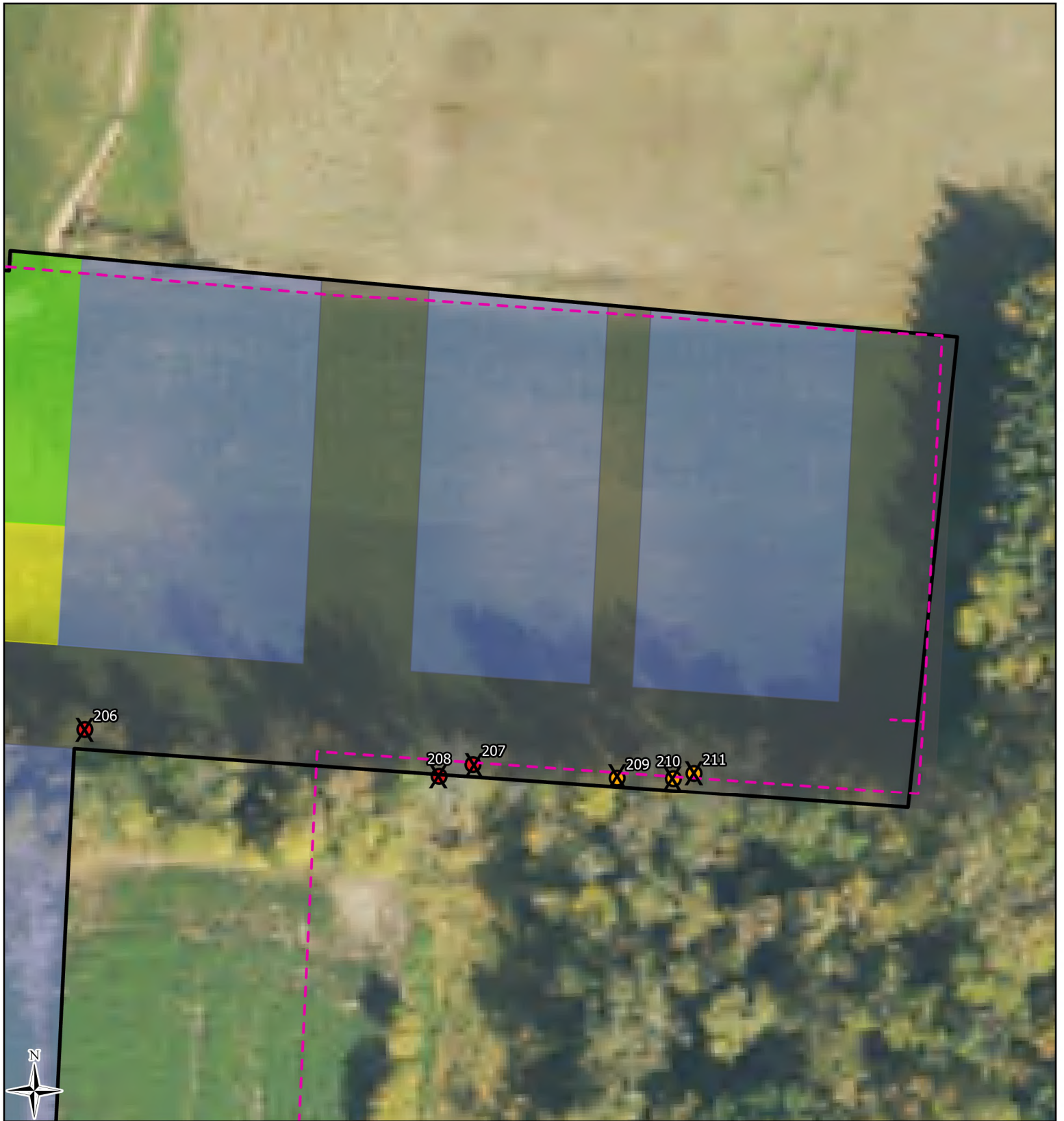
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Preliminary Zoning**

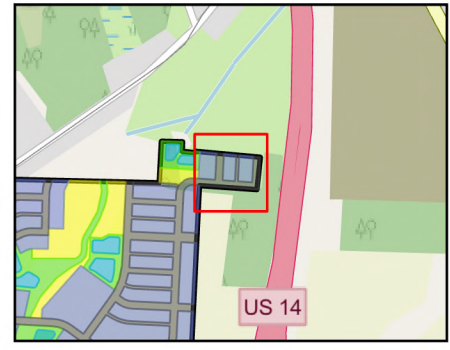
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No Oaks Ranch, LLC
No Oaks Ranch Tree Preservation Plan
Project #: 20241403
October 13, 2025

Attachment B | Preliminary Subdivision Plans

Preliminary Plat of No Oaks Ranch Subdivision

Smartcode Zoning Concept Plan

PRELIMINARY PLAT OF NO OAKS RANCH SUBDIVISION

ALL QUARTERS OF THE NORTHEAST QUARTER OF SECTION 11, AND THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 12, ALL IN TOWNSHIP 6 NORTH, RANGE 9 EAST AND PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 1, TOWNSHIP 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

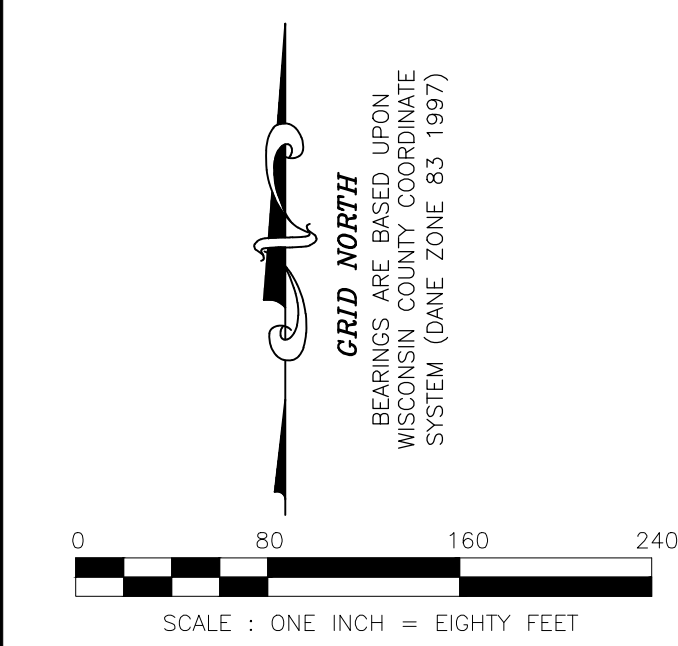
Curve #	Length	Radius	Delta	Chord Bearing	Chord Length
C1	58.39'	485.00'	6°53'51"	N 53°18'16" E	58.35'
C2	21.21'	80.00'	15°11'31"	S 69°06'29" W	21.15'
C3	61.81'	55.00'	64°23'32"	N 71°06'10" W	58.61'
C4	70.45'	735.00'	5°29'30"	N 36°00'41" W	70.42'
C5	116.56'	480.00'	13°54'46"	N 26°18'34" W	116.27'
C6	278.38'	245.00'	65°6'4"	N 51°55'02" W	263.64'

LEGAL DESCRIPTION:

OUTLOT 2, CERTIFIED SURVEY MAP NUMBER 15163, AS RECORDED IN VOLUME 107 OF CERTIFIED SURVEY MAPS, ON PAGES 257-261, AS DOCUMENT NUMBER 5498225 AND OUTLOT 2, CERTIFIED SURVEY MAP NUMBER 15164, AS RECORDED IN VOLUME 107 OF CERTIFIED SURVEY MAPS, ON PAGES 262-266, AS DOCUMENT NUMBER 5498226, DANE COUNTY REGISTRY, LOCATED IN ALL QUARTERS OF THE NORTHEAST QUARTER OF SECTION 11, AND THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 12, ALL IN TOWNSHIP 6 NORTH, RANGE 9 EAST AND PART OF THE SOUTHWEST QUARTER OF SECTION 1, TOWNSHIP 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

NOTES:

- Except as specifically stated or shown on this map, this survey does not purport to reflect any of the following which may be applicable to the subject real estate: easements, building setback lines, restrictive covenants, subdivision restrictions, zoning or other land use regulations, and any other facts that an accurate and current title search may disclose.
- No attempt has been made as a part of this survey to obtain or show data concerning condition or capacity of any utility or municipal/public service facility. For information regarding these utilities or facilities, please contact the appropriate agencies.
- Surveyor has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, ownership title evidence, or any other facts that an accurate and current title search may disclose.
- All surface and subsurface improvements on and adjacent to the site are not necessarily shown hereon.
- All trees, hedges and ground cover on the site may not necessarily be shown hereon.
- Total Parcel Area = 3,839,439 sq. ft., or 88,1414 acres.
- Contours were obtained from the Dane County GIS.
- Outlots 1 & 2 to be Dedicated to the Public for Park.
- Outlots 10, 12, 13, 20, 23 & 25 are for "Open Space".
- Outlots 9, 11, 14, 16, 17, 18, 19 & 24 are for "Private Alleys" and public utility easements.
- Outlots 4 & 15 to be Dedicated to the Public for Park and Civic use.
- Outlot 5 is for Multi-Use Path, Sign and Open Space.
- Outlot 3 to be Dedicated to the Public for Conservancy, Open Space and Environmental Corridor.
- Outlot 26 & 27 to be Dedicated to the Public for Conservancy, Stormwater Management, Open Space, Environmental Corridor, Sanitary Sewer and Multi-Use Path.
- Outlots 6, 7 & 8 to be Dedicated to the Public for Stormwater Management, Open Space, Environmental Corridor, Sanitary Sewer and Multi-Use Path.
- Outlot 21 to be Dedicated to the Public for Conservancy and Environmental Corridor.
- Outlot 22 to be Dedicated to the Public for Stormwater Management, Open Space, Environmental Corridor.
- Proposed Zoning is:
 - T-4 = Lots 40, 46, 100-231
 - T-5 = Lots 34-36, 38-39, 41, 47-49



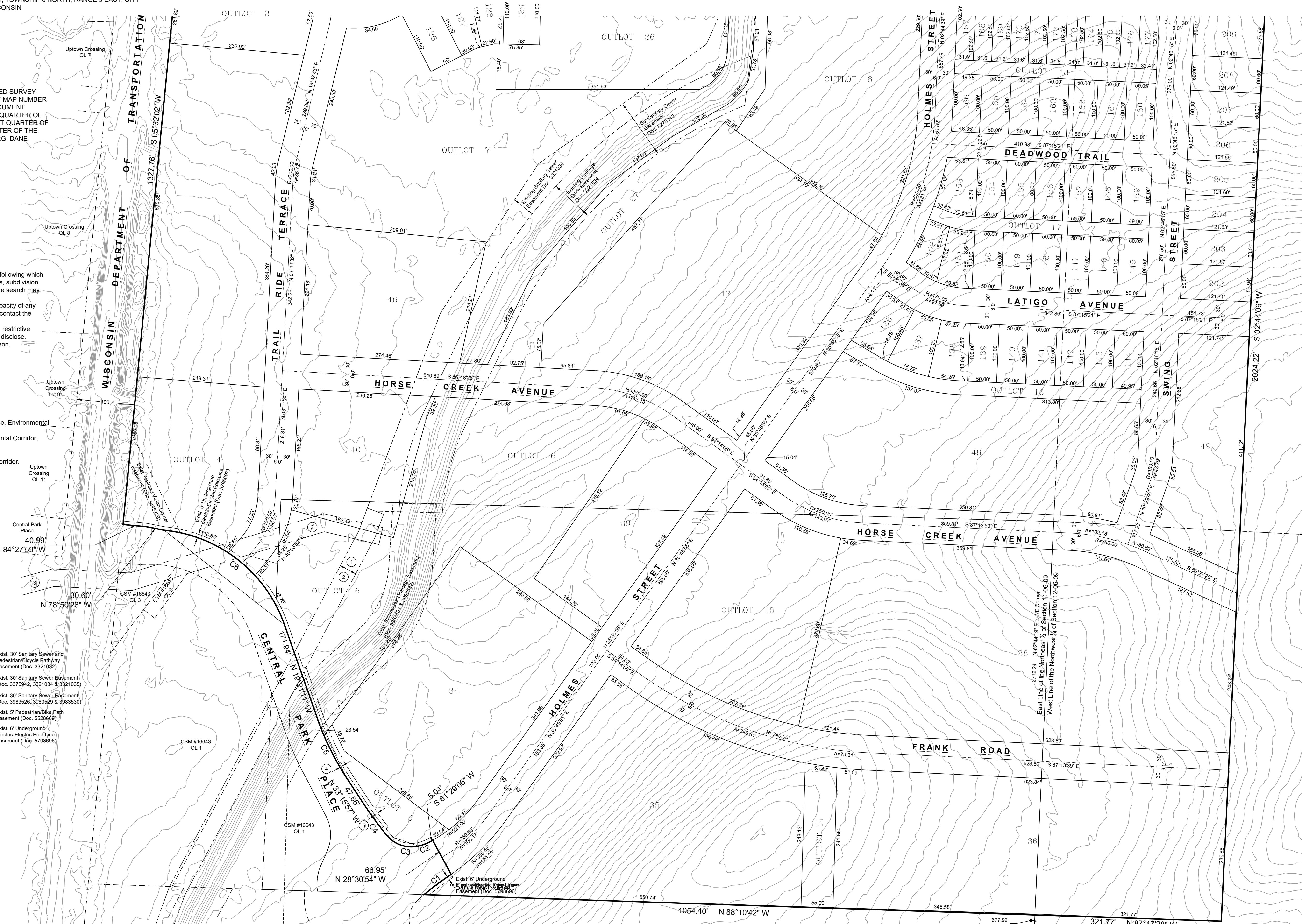
ENGINEER :
Debbie Hatfield, PE
MSA Professional Services, Inc.
1230 South Boulevard
Baraboo, WI 53913

PLANNER :
Stephen Tremlett
MSA Professional Services, Inc.
1230 South Boulevard
Baraboo, WI 53913

OWNER/SUBDIVIDER :
No Oaks Ranch, LLC
Address

SURVEYOR :
Burse
surveying & engineering inc.
2801 International Lane, Suite 101
Madison, WI 53704 608.250.9263
Fax: 608.250.9266
email: mburse@bse-inc.net
www.bursesurveyengr.com
Date: 08-15-2025
Rvsd: xx-xx-xxxx
Page 1 of 2

- Exist. 30' Sanitary Sewer and Pedestrian/Bicycle Pathway Easement (Doc. 3321032)
- Exist. 30' Sanitary Sewer Easement (Doc. 3275942, 3321034 & 3321035)
- Exist. 30' Sanitary Sewer Easement (Doc. 3983526, 3983529 & 3983530)
- Exist. 5' Pedestrian/Bike Path Easement (Doc. 5529999)
- Exist. 6' Underground Electric-Electric Pole Line Easement (Doc. 5786966)

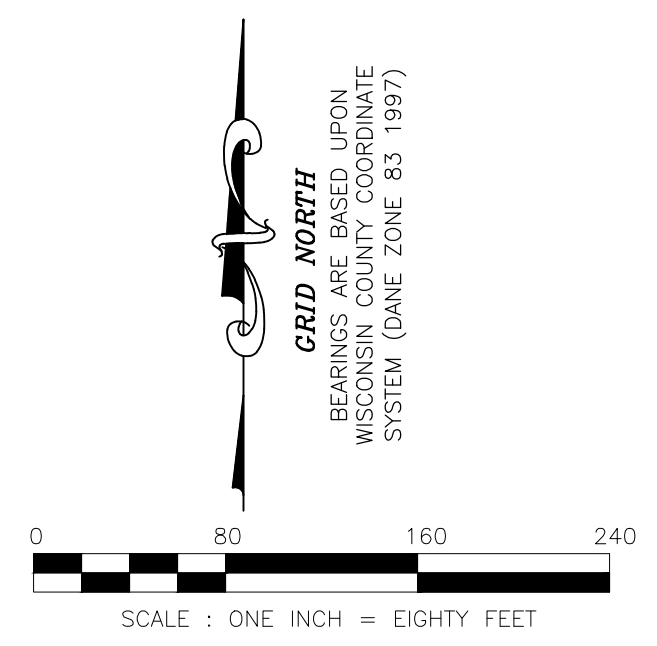


East Line of the Northeast 1/4 of Section 11-06-09
West Line of the Northwest 1/4 of Section 12-06-09

Found 1 1/2" Iron Rod
at East 1/4 Corner
of Section 11-06-09

PRELIMINARY PLAT OF NO OAKS RANCH SUBDIVISION

ALL QUARTERS OF THE NORTHEAST QUARTER OF SECTION 11, AND THE NORTHWEST QUARTER AND SOUTHWEST QUARTER OF THE WESTWEST QUARTER OF SECTION 12, ALL IN TOWNSHIP 6 NORTH, RANGE 9 EAST AND PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 1, TOWNSHIP 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN



OUTLOT AREA TABLE

OUTLOT NO.	AREA (Sq.Ft.)	AREA (Acres)
1	16,440	0.377
2	4,669	0.107
3	55,781	1.281
4	59,152	1.358
5	12,763	0.293
6	158,950	3.649
7	213,277	4.896
8	97,816	2.246
9	11,867	0.272
10	1,196	0.027
11	3,221	0.074
12	6,606	0.152
13	2,812	0.065
14	3,834	0.088
15	84,943	1.950
16	12,544	0.288
17	9,085	0.209
18	8,362	0.192
19	8,365	0.192
21	31,827	0.731
22	56,766	1.303
23	3,715	0.085
24	4,992	0.115
25	388	0.009
26	184,271	4.230
27	124,113	2.840
TOTAL AREA	1,177,755	27.038

ROADWAY DEDICATION AREA TABLE

	AREA (Sq.Ft.)	AREA (Acres)
West Clayton Road	1,062	0.024
All Internal Roadways	682,803	15.675
TOTAL AREA	683,865	15.699

LOT AREA TABLE

LOT NO.	AREA (Sq.Ft.)	AREA (Acres)	LOT NO.	AREA (Sq.Ft.)	AREA (Acres)
107	6,571	0.151	169	3,239	0.074
108	7,161	0.164	170	3,239	0.074
109	3,202	0.074	171	3,239	0.074
110	3,002	0.069	172	3,239	0.074
111	3,002	0.069	173	3,239	0.074
112	2,976	0.068	174	3,239	0.074
113	2,959	0.068	175	3,239	0.074
114	3,062	0.070	176	3,239	0.074
115	4,860	0.112	177	3,239	0.074
116	5,058	0.116	178	3,239	0.074
117	4,355	0.100	179	3,239	0.074
118	4,467	0.103	180	3,239	0.074
119	4,885	0.112	181	3,239	0.074
120	5,215	0.120	182	3,239	0.074
121	5,545	0.127	183	3,239	0.074
122	5,250	0.121	184	3,239	0.074
123	6,273	0.144	185	3,239	0.074
124	6,697	0.154	186	3,239	0.074
125	6,208	0.143	187	3,239	0.074
126	6,600	0.152	188	3,239	0.074
127	5,657	0.130	189	4,859	0.112
128	5,674	0.130	190	5,000	0.115
129	6,930	0.159	191	5,000	0.115
130	7,200	0.165	192	5,000	0.115
131	7,200	0.165	193	5,000	0.115
132	7,200	0.165	194	5,000	0.115
133	7,200	0.165	195	4,998	0.115
134	8,115	0.186	196	8,256	0.190
135	7,594	0.174	197	7,740	0.178
136	6,628	0.152	198	7,779	0.179
137	6,285	0.144	199	7,706	0.177
138	5,919	0.136	200	7,621	0.175
139	5,000	0.115	201	7,535	0.173
140	5,000	0.115	202	7,298	0.168
141	5,000	0.115	203	7,299	0.168
142	5,000	0.115	204	7,297	0.168
143	5,000	0.115	205	7,295	0.167
144	4,998	0.115	206	7,293	0.167
145	5,002	0.115	207	7,290	0.167
146	5,000	0.115	208	7,288	0.167
147	5,000	0.115	209	9,171	0.211
148	5,000	0.115	210	7,277	0.167
149	5,000	0.115	211	7,273	0.167
150	5,000	0.115	212	7,277	0.167
151	5,292	0.121	213	7,274	0.167
152	4,451	0.102	214	7,272	0.167
153	5,981	0.137	215	7,204	0.165
154	5,000	0.115	216	8,553	0.196
155	5,000	0.115	217	8,154	0.187
156	5,000	0.115	218	8,101	0.186
157	5,000	0.115	219	3,207	0.074
158	5,000	0.115	220	3,000	0.069
159	4,998	0.115	221	3,000	0.069
160	5,002	0.115	222	3,000	0.069
161	5,000	0.115	223	3,000	0.069
162	5,000	0.115	224	3,000	0.069
163	3,717	0.085	225	2,650	0.061
164	5,000	0.115	226	5,952	0.137
165	5,000	0.115	227	5,750	0.132
166	4,835	0.111	228	5,750	0.132
167	3,239	0.074	229	6,394	0.147
168	3,239	0.074	TOTAL AREA	1,965,265	45.116

LOT AREA TABLE

LOT NO.	AREA (Sq.Ft.)	AREA (Acres)
34	112,660	2.586
35	156,671	3.597
36	158,697	3.643
38	229,329	5.265
39	49,639	1.140
40	47,196	1.083
41	123,581	2.837
46	63,625	1.461
47	166,414	3.820
48	123,145	2.827
49	49,198	1.129
100	3,110	0.071
101	3,717	0.085
102	3,857	0.089
103	4,104	0.094
104	9,194	0.211
105	8,632	0.198
106	6,732	0.155

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Page 2 of 2



No Oaks Ranch, LLC
No Oaks Ranch Tree Preservation Plan
Project #: 20241403
October 13, 2025

Attachment C | City Ordinances and Guidelines

Ordinance 2023-O-11

Tree Protection and Pruning Guidelines

Mayor Arata-Fratta
Introduced by

LEGAL
Prepared by

Plan Commission, CEDA,
TAC, RCC, Parks
Referred to

June 13, 2023
Date

ORDINANCE 2023-O-11

REQUIRING TREE PRESERVATION PLANS TO BE INCLUDED WITH PRELIMINARY PLATS BY CREATING SECTION 24-4(G) OF FITCHBURG CODE OF ORDINANCES

The Common Council of the City of Fitchburg, Dane County, Wisconsin ordains as follows:

Section 1 –Section 24-4(g) of the Fitchburg General Code of Ordinances is hereby created to read:

Sec. 24-4(g) Tree preservation plan. The City has an interest in preserving and maintaining desirable trees, which are defined as tree specimens belonging to the following tree species: white oak (*Quercus alba*), red oak (*Quercus rubra*), black oak (*Quercus velutina*), bur oak (*Quercus macrocarpa*), chinkapin oak (*Quercus muehlenbergii*), pin oak (*Quercus palustris*), northern pin oak (*Quercus ellipsoidalis*), swamp white oak (*Quercus bicolor*), shagbark hickory (*Carya ovata*), bitternut hickory (*Carya cordiformis*) hackberry (*Celtis occidentalis*) white pine (*Pinus strobus*), sugar maple (*Acer saccharum*), honey locust (*Gleditsia traicanthos*), and American basswood (*Tilia americana*) and have stems with a diameter that meets or exceeds six (6) inches measured at 4.5 ft. (1.37 m) from the ground on the uphill side. Subdivider shall provide a tree preservation plan for review by the plan commission and city staff, including the city forester. The tree preservation plan shall describe the strategy for preserving desirable trees, and shall including the following:

- (1) The name and address of property owner and subdivider.
- (2) Delineation of the buildings, structures, or impervious surfaces situated thereon or contemplated to be built thereon.
- (3) Delineation of all areas to be graded and limits of land disturbance.
- (4) Size, species, and location of all desirable trees located within the area to be developed, surveyed by a certified arborist or an individual with similar training and experience. Where conditions warrant generalization of the tree inventory due to density, such as a wooded site, the city will accept a plan where information is collected on randomly selected trees to obtain overall condition, size, and species characteristics of the area.
- (5) Location of all desirable trees on all individual lots.
- (6) Measures to protect desirable trees in accordance with the city of Fitchburg Tree Protection Guidelines.
- (7) Identification of all desirable trees proposed on the plan to be removed within the construction area.
- (8) Name, qualifications, and signature of person or persons preparing the plan.

Section 2 – This ordinance shall take effect the day after its publication.

Adopted this 25th day of July, 2023.

Julia Arata-Fratta, Mayor

Tracy Oldenburg, City Clerk

Published: July 31, 2023

Tree Protection and Pruning Guidelines

February 18, 2013



The following guidelines are intended to aide the architect/developer/builder to plan for and execute the appropriate actions that will reduce the risk of injury and/or disease and improve the chances that those trees designated for preservation will survive and thrive.

1. A tree inventory must be completed to determine the genus/species, size and location and to assess the health and value of all trees on the site.
2. A protected root zone (PRZ) must be established for all trees designated for preservation to protect roots beyond the apparent drip line or the critical root radius. The PRZ will be a minimum distance from the trunk of 18 times the tree trunk diameter measured at 4.5 feet above the ground.
3. Chain link or comparable substantial fencing must be erected and maintained outside the PRZ. Visible “Off Limits” signs must be posted at 50-foot intervals along the fence. The following is prohibited within the PRZ:
 - a. grading and excavation except as shown
 - b. storage or parking of machinery, equipment or vehicles
 - c. storage, stockpiling, or dumping of construction materials, waste, refuse and excavated soils
 - d. runoff or spillage of noxious materials
 - e. ponding, erosion, or excessive wetting caused by dewatering operations
 - f. attachment of any object to tree branches or trunks.
4. Soils must not be stripped from or disturbed within the PRZs of those trees designated for preservation (except for the removal of competing trees or other plants) to prevent the removal of nutrients, microbes and create a disease conducive environment. If grade transitions are necessary near any tree designated for preservation a retaining wall must be built to reduce the horizontal distance for the grade rather than creating a slope from the natural to the finish grade.
5. Grade changes around trees designated for preservation must be carefully monitored and avoided. If a grade change is unavoidable arboricultural accepted soil aeration systems, consisting of tree well encircling the tree trunk to prevent fill from coming in contact with the base of the tree, load-bearing geotextile fabric covering the original surface, a horizontal grid system of perforated pipes connected together and vented to the tree well and the final fill surface, a layer of gravel fill surrounding the pipes and finally a second layer of geotextile fabric between the gravel and soil fill to prevent the layers from mixing.
6. All trees designated for preservation must be thoroughly watered and injection fertilized with a water soluble 10-6-6 fertilizer throughout the PRZs prior to pruning and prior to the removal of nearby trees to reduce the risk of stress and to enhance the recovery periods. Watering must continue throughout the growing season at a rate of 1 inch of water per week.

7. The PRZs must then be covered with 3"- 4" of shredded mulch or 4"- 6" of wood chips.
8. Protect and preserve soil surrounding PRZs for future tree planting. Apply a layer of wood chips at least six inches thick over areas that will be used for traffic or materials storage during construction. If these areas become part of the new landscape, the wood chips will prevent the soil from becoming too compacted.
9. All trees designated for preservation must be properly pruned of dead, diseased, or hazardous branches and selected live branches prior to the removal of nearby trees to reduce the risk of accidental injury during tree removal and construction. Wounds on live wood of all oaks must be dressed with an arboricultural wound dressing to prevent the spread of oak wilt. Only apply wound dressing to oaks and elms; do not dress the wounds of other species. **Do not prune live wood on any oaks between April 1st and October 1st.**
10. All trees tagged for removal that are within the PRZ of a tree designated for preservation must be removed with chainsaw and stump grinder rather than being bulldozed to avoid damaging the roots, trunks and limbs of the tree(s) designated for preservation.
11. Any roots that must be severed within the PRZs must be cut with sharp, clean root cutting equipment. The roots must be cut cleanly avoiding any ripping or tearing – do not tear, break, or chop roots. Cover exposed roots within one hour with soil, mulch, or damp burlap.
12. Avoid trenching where underground utilities are required within the PRZ. Tunnel under or around roots by drilling, auger boring, directional drilling, pipe jacking, or digging by hand.
13. All paved areas and foundations must be located outside of the PRZs of trees designated for preservation. In the case of exceptions, any tree designated for preservation whose PRZ is encroached by pavement or a foundation must be protected by a root barrier to prevent damage to the pavement or foundation and to protect the health of the tree.
14. Any PRZ that suffers compaction due to construction or the operation of heavy equipment must be ameliorated with a deep-water aeration system.
15. When construction is completed all preserved trees must be thoroughly watered and the mulch should be retained to cover the PRZs at a depth of 3"- 4".
16. A site inspection must be conducted prior to building starts to assess the health of preserved trees and to determine if wind throw hazards exist. A management plan must be developed and executed to mitigate any hazard or risk trees.



No Oaks Ranch, LLC
No Oaks Ranch Tree Preservation Plan
Project #: 20241403
October 13, 2025

Attachment D | Table 1. Desirable Tree Survey Data

Table 1. No Oaks Ranch Desirable Tree Survey Data^{1,2}

ID Number	Species ³	Common Name	DBH (Inches)	PRZ (feet) ⁴	General Health and Observations ⁵	Notes	Tree to be Removed
1	<i>Celtis occidentalis</i>	hackberry	8.5	12.75	Good		
2	<i>Celtis occidentalis</i>	hackberry	17	25.50	Moderate; trunk has large wound/hollow spot		
3	<i>Celtis occidentalis</i>	hackberry	10	15.00	Moderate		
4	<i>Celtis occidentalis</i>	hackberry	13.5	20.25	Good		
5	<i>Celtis occidentalis</i>	hackberry	9	13.50	Moderate; crowded		
6	<i>Carya ovata</i>	shagbark hickory	21	31.50	Good		
7	<i>Celtis occidentalis</i>	hackberry	8.25	12.38	Moderate	Two stems	X
8	<i>Celtis occidentalis</i>	hackberry	11.25	16.88	Good; lower limb die back		X
9	<i>Celtis occidentalis</i>	hackberry	6.5	9.75	Moderate; lower branch die back	May be the same tree as adjacent stem (P10)	X
10	<i>Celtis occidentalis</i>	hackberry	8.5	12.75	Moderate; crowded		
11	<i>Celtis occidentalis</i>	hackberry	9	13.50	Moderate; crowding and lower branch die back	May be the same tree as adjacent stem (P11)	X
12	<i>Carya ovata</i>	shagbark hickory	17	25.50	Good		X
13	<i>Quercus velutina</i>	black oak	34.5	51.75	Moderate; lower branch die back		
14	<i>Quercus velutina</i>	black oak	23	34.50	Poor; significant rot at base		X
15	<i>Quercus velutina</i>	black oak	11	16.50	Poor-moderate; branches in bottom half of tree are		X
16	<i>Quercus velutina</i>	black oak	16.5	24.75	Poor; significant lean, only live branches near the top		X
17	<i>Carya ovata</i>	shagbark hickory	20.5	30.75	Moderate	Two stems	
18	<i>Quercus macrocarpa</i>	bur oak	15.75	23.63	Moderate	Two stems	
19	<i>Quercus bicolor</i>	swamp white oak	16	24.00	Moderate-good; some die back of bottom branches		
20	<i>Carya ovata</i>	shagbark hickory	12	18.00	Good		
21	<i>Quercus velutina</i>	black oak	28	42.00	Moderate; crowded, one stem is leaning outside unit	Two stems	
22	<i>Quercus velutina</i>	black oak	27.5	41.25	Moderate; crowded	Three stems	
23	<i>Quercus velutina</i>	black oak	27	40.50	Moderate; crowded and leaning	Three stems	
24	<i>Quercus macrocarpa</i>	bur oak	13	19.50	Good	Two stems	
25	<i>Quercus macrocarpa</i>	bur oak	11.5	17.25	Good	Two stems	
26	<i>Celtis occidentalis</i>	hackberry	10.5	15.75	Good		
27	<i>Carya ovata</i>	shagbark hickory	13.25	19.88	Moderate		
28	<i>Carya ovata</i>	shagbark hickory	14	21.00	Moderate		
29	<i>Carya ovata</i>	shagbark hickory	10.5	15.75	Moderate		
30	<i>Carya ovata</i>	shagbark hickory	7.75	11.63	Moderate; crowded	Potentially multi-stemmed with adjacent points	
31	<i>Carya ovata</i>	shagbark hickory	6.25	9.38	Moderate; crowded	Potentially multi-stemmed with adjacent points	
32	<i>Carya ovata</i>	shagbark hickory	9	13.50	Moderate; crowded	Potentially multi-stemmed with adjacent points	
33	<i>Carya ovata</i>	shagbark hickory	12.75	19.13	Good		
34	<i>Carya ovata</i>	shagbark hickory	7.75	11.63	Moderate; crowded		
35	<i>Carya ovata</i>	shagbark hickory	8.5	12.75	Moderate; crowded		
36	<i>Carya ovata</i>	shagbark hickory	10	15.00	Moderate; crowded		
37	<i>Carya ovata</i>	shagbark hickory	10	15.00	Moderate; crowded		
38	<i>Carya ovata</i>	shagbark hickory	7	10.50	Moderate; crowded		
39	<i>Carya ovata</i>	shagbark hickory	6	9.00	Moderate; crowded, leaning trunk and branches		
40	<i>Carya ovata</i>	shagbark hickory	8.5	12.75	Moderate; some die back of lower branches		
41	<i>Carya ovata</i>	shagbark hickory	9	13.50	Good; slight crowding and lean		
42	<i>Carya ovata</i>	shagbark hickory	8	12.00	Good; slight crowding		
43	<i>Carya ovata</i>	shagbark hickory	11	16.50	Good		
44	<i>Carya ovata</i>	shagbark hickory	7.5	11.25	Moderate; crowding with lean		
45	<i>Carya ovata</i>	shagbark hickory	7.5	11.25	Moderate; significant lean		
46	<i>Carya ovata</i>	shagbark hickory	13.5	20.25	Good		
47	<i>Carya ovata</i>	shagbark hickory	29.5	44.25	Moderate; crowding, lean	Four stems	
48	<i>Carya ovata</i>	shagbark hickory	12.5	18.75	Good; crowding, some lean		
49	<i>Carya ovata</i>	shagbark hickory	7	10.50	Good		
50	<i>Carya ovata</i>	shagbark hickory	9.5	14.25	Good		
51	<i>Carya ovata</i>	shagbark hickory	9.5	14.25	Good; lots of vines		
52	<i>Carya ovata</i>	shagbark hickory	7.75	11.63	Moderate; some lower branch die back		
53	<i>Carya ovata</i>	shagbark hickory	6.75	10.13	Moderate		
54	<i>Carya ovata</i>	shagbark hickory	7.75	11.63	Moderate; lean at top		
55	<i>Carya ovata</i>	shagbark hickory	11.75	17.63	Moderate; lean at top		
56	<i>Carya ovata</i>	shagbark hickory	11.75	17.63	Moderate; lean		
57	<i>Carya ovata</i>	shagbark hickory	10.5	15.75	Moderate; crowded and lean at top		
58	<i>Carya ovata</i>	shagbark hickory	8.75	13.13	Moderate; significant lean, some lower branch loss		
59	<i>Carya ovata</i>	shagbark hickory	6	9.00	Poor-moderate		
60	<i>Carya ovata</i>	shagbark hickory	6.5	9.75	Poor-moderate; loss of lower branches		
61	<i>Quercus velutina</i>	black oak	6.5	9.75	Moderate		
62	<i>Carya ovata</i>	shagbark hickory	11.5	17.25	Good		
63	<i>Carya ovata</i>	shagbark hickory	11.5	17.25	Moderate-good		
64	<i>Carya ovata</i>	shagbark hickory	10.5	15.75	Moderate		
65	<i>Carya ovata</i>	shagbark hickory	11.75	17.63	Moderate		
66	<i>Carya ovata</i>	shagbark hickory	9	13.50	Good		
67	<i>Carya ovata</i>	shagbark hickory	7.5	11.25	Good; some crowding		
68	<i>Carya ovata</i>	shagbark hickory	7	10.50	Moderate; crowding		
69	<i>Carya ovata</i>	shagbark hickory	12	18.00	Moderate; lower branch die back	Two stems	
70	<i>Carya ovata</i>	shagbark hickory	6	9.00	Poor		
71	<i>Carya ovata</i>	shagbark hickory	11.75	17.63	Good		
72	<i>Quercus velutina</i>	black oak	11.75	17.63	Moderate; some lean		
73	<i>Carya ovata</i>	shagbark hickory	8.75	13.13	Moderate		
74	<i>Carya ovata</i>	shagbark hickory	12.5	18.75	Good		
75	<i>Carya ovata</i>	shagbark hickory	7.5	11.25	Good		
76	<i>Carya ovata</i>	shagbark hickory	18	27.00	Good		
77	<i>Carya ovata</i>	shagbark hickory	7.5	11.25	Good		
78	<i>Carya ovata</i>	shagbark hickory	15.5	23.25	Moderate, in decline; rot at stem intersection		
79	<i>Carya ovata</i>	shagbark hickory	9	13.50	Good		
80	<i>Carya ovata</i>	shagbark hickory	14	21.00	Good		
81	<i>Carya ovata</i>	shagbark hickory	12	18.00	Moderate		
82	<i>Carya ovata</i>	shagbark hickory	7	10.50	Moderate; some branch die back and lean		
83	<i>Carya ovata</i>	shagbark hickory	14	21.00	Good		
84	<i>Carya ovata</i>	shagbark hickory	9.25	13.88	Moderate; lower branch die back		
85	<i>Carya ovata</i>	shagbark hickory	11.5	17.25	Good		
86	<i>Carya ovata</i>	shagbark hickory	7	10.50	Good		

Table 1. No Oaks Ranch Desirable Tree Survey Data^{1,2}

ID Number	Species ³	Common Name	DBH (Inches)	PRZ (feet) ⁴	General Health and Observations ⁵	Notes	Tree to be Removed
87	<i>Carya ovata</i>	shagbark hickory	7	10.50	Moderate		
88	<i>Carya ovata</i>	shagbark hickory	13.5	20.25	Good		
89	<i>Carya ovata</i>	shagbark hickory	11	16.50	Good		
90	<i>Carya ovata</i>	shagbark hickory	15.75	23.63	Good; branches prominently on one side		
91	<i>Carya ovata</i>	shagbark hickory	7.5	11.25	Moderate		
92	<i>Carya ovata</i>	shagbark hickory	7.75	11.63	Good		
93	<i>Carya ovata</i>	shagbark hickory	10.75	16.13	Good		
94	<i>Carya ovata</i>	shagbark hickory	12	18.00	Good		
95	<i>Carya ovata</i>	shagbark hickory	7.25	10.88	Moderate		
96	<i>Carya ovata</i>	shagbark hickory	8.5	12.75	Moderate; some loss of lower branches		
97	<i>Carya ovata</i>	shagbark hickory	6	9.00	Moderate		
98	<i>Quercus velutina</i>	black oak	25.25	37.88	Moderate; die back of lower branches, some dying upper limbs		
99	<i>Carya ovata</i>	shagbark hickory	8	12.00	Good		
100	<i>Carya ovata</i>	shagbark hickory	11	16.50	Good; crowded		
101	<i>Carya ovata</i>	shagbark hickory	11	16.50	Good		
102	<i>Quercus velutina</i>	black oak	20.5	30.75	Moderate; some lower branch die back		
103	<i>Quercus velutina</i>	black oak	22.5	33.75	Moderate; some lower branch die back		
104	<i>Carya ovata</i>	shagbark hickory	9.25	13.88	Moderate; leaning at top		
105	<i>Carya ovata</i>	shagbark hickory	18	27.00	Moderate; crowded	Two stems	
106	<i>Carya ovata</i>	shagbark hickory	6	9.00	Good		
107	<i>Carya ovata</i>	shagbark hickory	9.5	14.25	Moderate; leaning, some lower branch die back		
108	<i>Carya ovata</i>	shagbark hickory	15.75	23.63	Moderate; heavy lean	Two stems	
109	<i>Carya ovata</i>	shagbark hickory	17	25.50	Moderate; lower branch die back		
110	<i>Carya ovata</i>	shagbark hickory	8.5	12.75	Poor-moderate		
111	<i>Quercus velutina</i>	black oak	20	30.00	Poor; hollow at base	DBH estimated due to field conditions	
112	<i>Carya ovata</i>	shagbark hickory	15.75	23.63	Good		
113	<i>Carya ovata</i>	shagbark hickory	7.5	11.25	Moderate		
114	<i>Carya ovata</i>	shagbark hickory	10	15.00	Good		
115	<i>Carya ovata</i>	shagbark hickory	10	15.00	Moderate; crowded, leaning		
116	<i>Carya ovata</i>	shagbark hickory	14	21.00	Moderate		
117	<i>Carya ovata</i>	shagbark hickory	15.25	22.88	Good		
118	<i>Carya ovata</i>	shagbark hickory	11.75	17.63	Good	Two stems	
119	<i>Carya ovata</i>	shagbark hickory	7.75	11.63	Good		
120	<i>Carya ovata</i>	shagbark hickory	16.25	24.38	Good		
121	<i>Quercus macrocarpa</i>	bur oak	13.75	20.63	Good		
122	<i>Carya ovata</i>	shagbark hickory	12.75	19.13	Moderate; some lean and crowding		
123	<i>Carya ovata</i>	shagbark hickory	11.75	17.63	Good		
124	<i>Carya ovata</i>	shagbark hickory	13.5	20.25	Good		
125	<i>Carya ovata</i>	shagbark hickory	6.5	9.75	Good		
126	<i>Carya ovata</i>	shagbark hickory	14	21.00	Good		
127	<i>Carya ovata</i>	shagbark hickory	7	10.50	Good		
128	<i>Carya ovata</i>	shagbark hickory	18	27.00	Moderate		
129	<i>Carya ovata</i>	shagbark hickory	10	15.00	Poor; trunk rot		
130	<i>Carya ovata</i>	shagbark hickory	7	10.50	Moderate		
131	<i>Carya ovata</i>	shagbark hickory	6.5	9.75	Moderate		
132	<i>Carya ovata</i>	shagbark hickory	10.25	15.38	Good; leaning		
133	<i>Carya ovata</i>	shagbark hickory	6.25	9.38	Moderate		
134	<i>Carya ovata</i>	shagbark hickory	13.75	20.63	Moderate		
135	<i>Carya ovata</i>	shagbark hickory	19	28.50	Good		
136	<i>Carya ovata</i>	shagbark hickory	11.5	17.25	Moderate		
137	<i>Carya ovata</i>	shagbark hickory	26.75	40.13	Primary stem is healthy	Two stems	
138	<i>Carya ovata</i>	shagbark hickory	12.5	18.75	Good		
139	<i>Carya ovata</i>	shagbark hickory	13	19.50	Moderate; some irregular growth due to crowding		
140	<i>Carya ovata</i>	shagbark hickory	17	25.50	Good		
141	<i>Celtis occidentalis</i>	hackberry	14.5	21.75	Good		
142	<i>Carya ovata</i>	shagbark hickory	9	13.50	Good; lots of vines		
143	<i>Carya ovata</i>	shagbark hickory	11.5	17.25	Good		
144	<i>Carya ovata</i>	shagbark hickory	10	15.00	Moderate		
145	<i>Carya ovata</i>	shagbark hickory	14	21.00	Good; lots of vines		
146	<i>Carya ovata</i>	shagbark hickory	7.5	11.25	Good		
147	<i>Celtis occidentalis</i>	hackberry	13.25	19.88	Good		
148	<i>Quercus velutina</i>	black oak	10	15.00	Moderate		
149	<i>Quercus velutina</i>	black oak	11.5	17.25	Poor-moderate; lots of vines, lower branch die back		
150	<i>Carya ovata</i>	shagbark hickory	12.5	18.75	Good		
151	<i>Carya ovata</i>	shagbark hickory	27	40.50	Moderate	Two stems	
152	<i>Carya ovata</i>	shagbark hickory	12	18.00	Good		
153	<i>Carya ovata</i>	shagbark hickory	15	22.50	Moderate; lean		
154	<i>Carya ovata</i>	shagbark hickory	10	15.00	Moderate		
155	<i>Carya ovata</i>	shagbark hickory	11.25	16.88	Good		
156	<i>Carya ovata</i>	shagbark hickory	6	9.00	Good		
157	<i>Carya ovata</i>	shagbark hickory	6	9.00	Good		
158	<i>Carya ovata</i>	shagbark hickory	11.5	17.25	Good		
159	<i>Carya ovata</i>	shagbark hickory	12.5	18.75	Good		
160	<i>Carya ovata</i>	shagbark hickory	7	10.50	Moderate		
161	<i>Carya ovata</i>	shagbark hickory	13.25	19.88	Good		
162	<i>Carya ovata</i>	shagbark hickory	9.75	14.63	Moderate		
163	<i>Quercus velutina</i>	black oak	19	28.50	Moderate; lower branch die back		
164	<i>Quercus velutina</i>	black oak	40.5	60.75	Moderate; lower branch die back	Two dominant trunks	
165	<i>Carya ovata</i>	shagbark hickory	11	16.50	Good		
166	<i>Carya ovata</i>	shagbark hickory	7.25	10.88	Good		
167	<i>Carya ovata</i>	shagbark hickory	20	30.00	Moderate; crowding and lean		
168	<i>Carya ovata</i>	shagbark hickory	12.5	18.75	Good		
169	<i>Carya ovata</i>	shagbark hickory	9.25	13.88	Good		
170	<i>Carya ovata</i>	shagbark hickory	9.5	14.25	Good		
171	<i>Carya ovata</i>	shagbark hickory	13.25	19.88	Good		
172	<i>Carya ovata</i>	shagbark hickory	14.25	21.38	Good		
173	<i>Carya ovata</i>	shagbark hickory	8	12.00	Good		
174	<i>Carya ovata</i>	shagbark hickory	9.75	14.63	Moderate; some lower branch die back		
175	<i>Carya ovata</i>	shagbark hickory	11	16.50	Good		
176	<i>Quercus velutina</i>	black oak	14	21.00	Moderate; self pruned dead lower branches		

Table 1. No Oaks Ranch Desirable Tree Survey Data^{1,2}

ID Number	Species ³	Common Name	DBH (Inches)	PRZ (feet) ⁴	General Health and Observations ⁵	Notes	Tree to be Removed
177	<i>Quercus velutina</i>	black oak	15.5	23.25	Poor; top is dead, woodpecker holes present		
178	<i>Carya ovata</i>	shagbark hickory	10.25	15.38	Good		
179	<i>Carya ovata</i>	shagbark hickory	9.5	14.25	Good		
180	<i>Quercus velutina</i>	black oak	13.75	20.63	Moderate		
181	<i>Carya ovata</i>	shagbark hickory	10.25	15.38	Good		
182	hackberry	hackberry	13.5	20.25	Good; lower branch die back		
183	<i>Carya ovata</i>	shagbark hickory	10	15.00	Moderate; upper branch die back		
184	<i>Quercus velutina</i>	black oak	16	24.00	Poor-moderate; losing a lot of branches and leaning		
185	<i>Carya ovata</i>	shagbark hickory	9.25	13.88	Good		
186	<i>Carya ovata</i>	shagbark hickory	6.25	9.38	Good		
187	<i>Carya ovata</i>	shagbark hickory	13.25	19.88	Moderate		
188	<i>Quercus velutina</i>	black oak	18.25	27.38	Moderate; some lean and lower branch pruning		
189	<i>Carya ovata</i>	shagbark hickory	7.75	11.63	Good		
190	<i>Carya ovata</i>	shagbark hickory	12	18.00	Good; lean		
191	<i>Carya ovata</i>	shagbark hickory	10	15.00	Good; crowded		
192	<i>Carya ovata</i>	shagbark hickory	12.5	18.75	Good; crowded		
193	<i>Carya ovata</i>	shagbark hickory	11	16.50	Good; crowded		
194	<i>Quercus velutina</i>	black oak	18.75	28.13	Moderate; some branch die back and lean		
195	<i>Quercus velutina</i>	black oak	15	22.50	Poor-moderate		
196	<i>Carya ovata</i>	shagbark hickory	20.5	30.75	Good		
197	<i>Quercus macrocarpa</i>	bur oak	11.5	17.25	Good		
198	<i>Carya ovata</i>	shagbark hickory	21.5	32.25	Good		
199	<i>Carya ovata</i>	shagbark hickory	30	45.00	Moderate; early loss of main stem	Two stems	
200	<i>Carya ovata</i>	shagbark hickory	24.5	36.75	Good		
201	<i>Carya ovata</i>	shagbark hickory	17.5	26.25	Moderate-good		
202	<i>Quercus macrocarpa</i>	bur oak	12.5	18.75	Good; big lean from crowding		
203	<i>Carya ovata</i>	shagbark hickory	7.5	11.25	Good		
204	<i>Quercus macrocarpa</i>	bur oak	8.5	12.75	Good		
205	<i>Quercus macrocarpa</i>	bur oak	8	12.00	Good		
206	<i>Celtis occidentalis</i>	hackberry	12	18.00	Moderate; crowded	Two stems	X
207	<i>Celtis occidentalis</i>	hackberry	7.5	11.25	Moderate; crowded		X
208	<i>Celtis occidentalis</i>	hackberry	19	28.50	Good		X
209	<i>Carya ovata</i>	shagbark hickory	20	30.00	Good; lots of vines		X
210	<i>Carya ovata</i>	shagbark hickory	8	12.00	Good	DBH estimated due to field conditions	X
211	<i>Carya ovata</i>	shagbark hickory	8	12.00	Moderate; branch die back, lots of vines	DBH estimated due to field conditions	X
212	<i>Carya ovata</i>	shagbark hickory	17.5	26.25	Good		
213	<i>Carya ovata</i>	shagbark hickory	19.5	29.25	Good; some branch loss		
214	<i>Carya ovata</i>	shagbark hickory	10.5	15.75	Moderate; leaning		
215	<i>Carya ovata</i>	shagbark hickory	19.5	29.25	Moderate-good		
216	<i>Celtis occidentalis</i>	hackberry	7.25	10.88	Moderate; crowded		

¹ "Desirable Tree" species are those listed in the City of Fitchburg Tree Preservation Ordinance. Desirable trees were surveyed if they were 6 inches or greater diameter at breast height (DBH). For multi-trunked trees, the DBH was assessed as the sum of the two largest trunks.

² Trees to be removed are indicated with gray shading as well as an 'X' in the 8th column.

³ Identification to species within the red oak group was challenging due to the time of year of the assessment. All red oaks were coded as *Q. velutina* but may include *Q. rubra* and *Q. ellipsoidalis*.

⁴ The Protective Root Zone (PRZ) is the diameter of the tree (feet) multiplied by 18.

⁵ Trees were rated as good, moderate, or poor for health based on a cursory visual assessment.



No Oaks Ranch, LLC
No Oaks Ranch Tree Preservation Plan
Project #: 20241403
October 13, 2025

Attachment E | Photo Log



Photo #1 PP1. Tree line along western perimeter of Project Area.



Photo #2 PP1. View across field toward woodland with desirable trees.



Photo #3 PP1. View across field towards waterway with no desirable trees.



Photo #4 PP1. View towards southern portion of Project Area with no desirable trees.

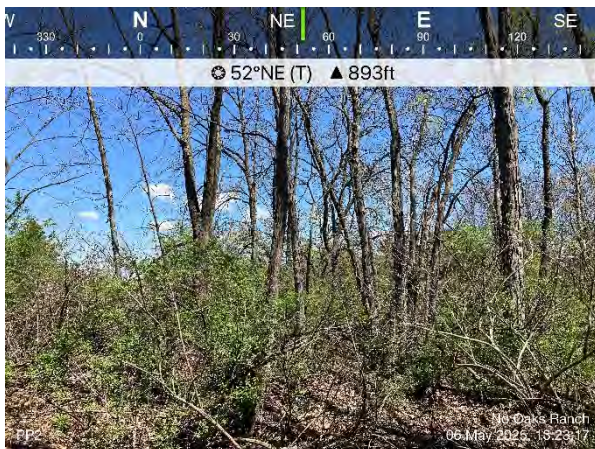


Photo #5 PP2. Woodland with desirable trees present.



Photo #6 PP2. Woodland with desirable trees present.



Photo #7 PP3. Woodland with desirable trees present.



Photo #8 PP3. Woodland near waterway with dense shrubs and saplings.



Photo #9 PP4. Wooded area with bur oak and shagbark hickory in northeast portion of Project Area.



Photo #10 PP4. Wooded area with bur oak and shagbark hickory in northeast portion of Project Area.



Photo #11 PP4. Tree line between fields in northeast portion of Project Area.