Preliminary Tree Preservation Plans



10.16.2020 - Per City Review #1

NAPER COMMONS

NAPERVILLE, ILLINOIS



DEVELOPER:

1900 E. Golf Road - Suite 300 Schaumburg, Illinois 60173 (847) 230.5383 voice Project Manager: Matt Brolley, P.E.

ENGINEER:

CEMCON, Ltd.
2280 White Oak Circle
Aurora, Illinois 60502
(630) 862.2100 voice
Project Manager: Chris Morgart, P.E.

LANDSCAPE ARCHITECT :

Signature Design Group, Inc. 132 N. Washington Street

Naperville, Illinois 60540 (630) 305.3980 voice

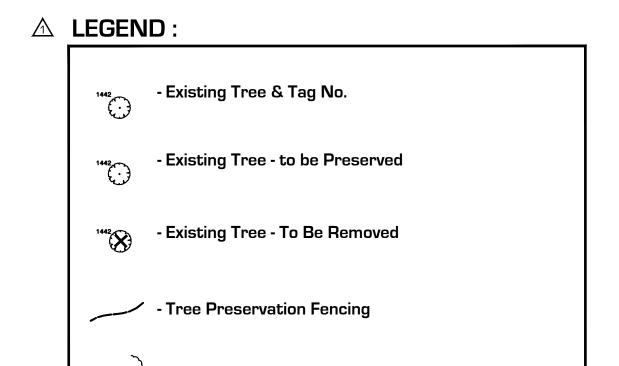
Project Manager: Greg G. Sagen, RLA

Cantigny Park Wille Forest Pre Site Tisle Auseum emporarily closed

LOCATION MAP

INDEX OF DRAWINGS

TS.101 Existing Tree Survey
TS.102 Existing Tree Survey
TS.103 Existing Tree Survey
TS.104 Tree Inventory Data

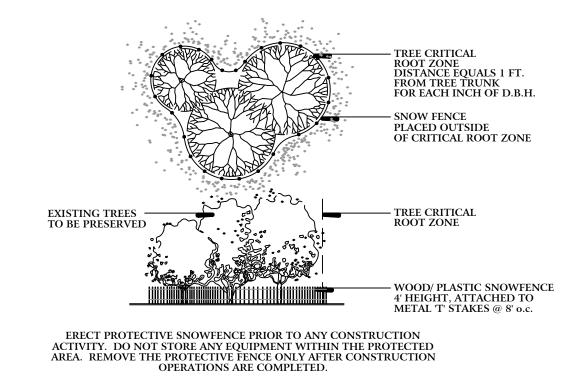


- Edge of Existing Brush Line riangle

TREE SURVEY DATE:

Existing tree inventory and rating completed by Signature Design Group on August 22nd and 29th 2020. Location Survey and Tree Sizing Plan prepared by CEMCON, Ltd. - and still in-progress.

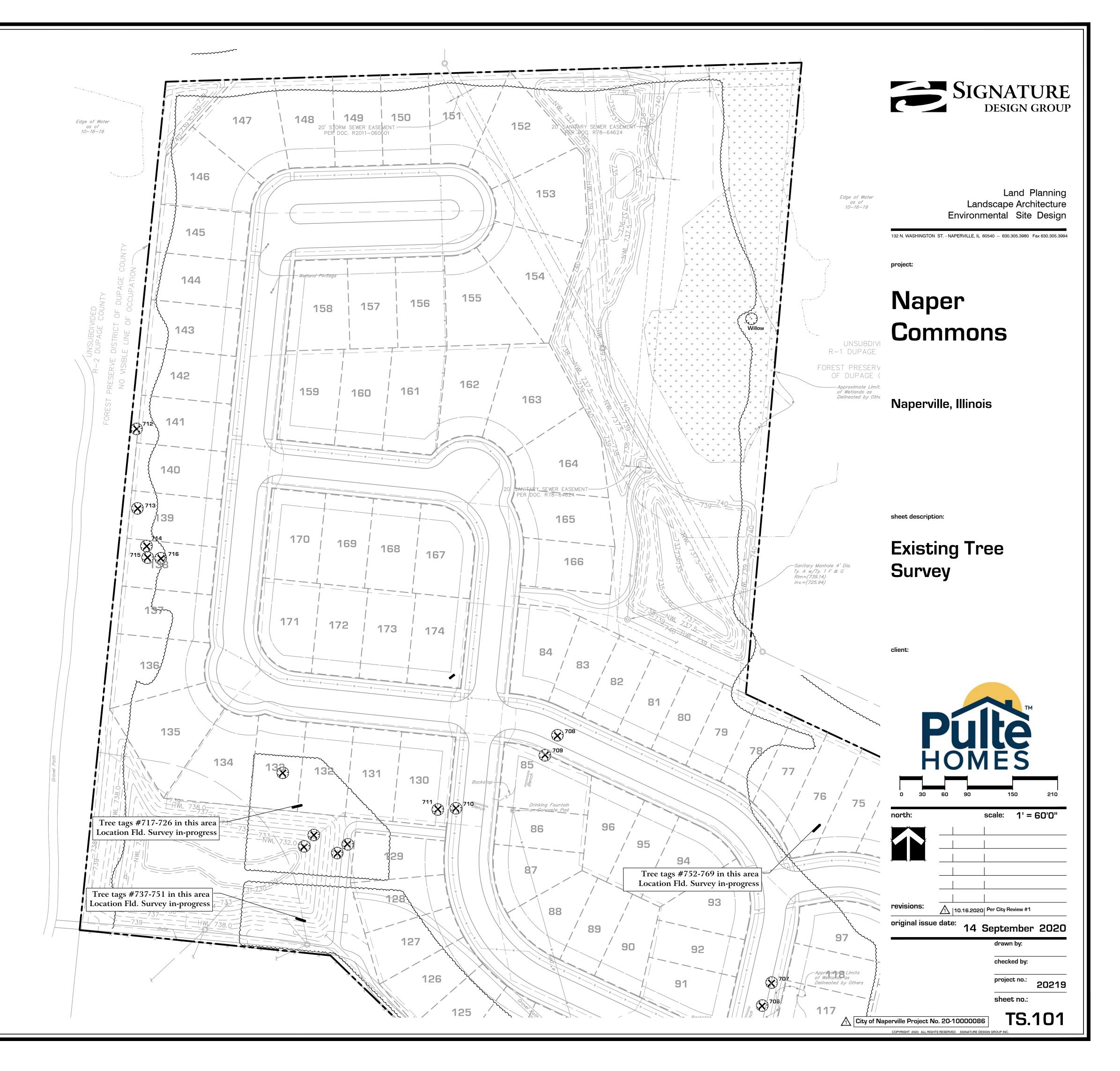
See Sheets TS.104 for Existing Tree Inventory Data

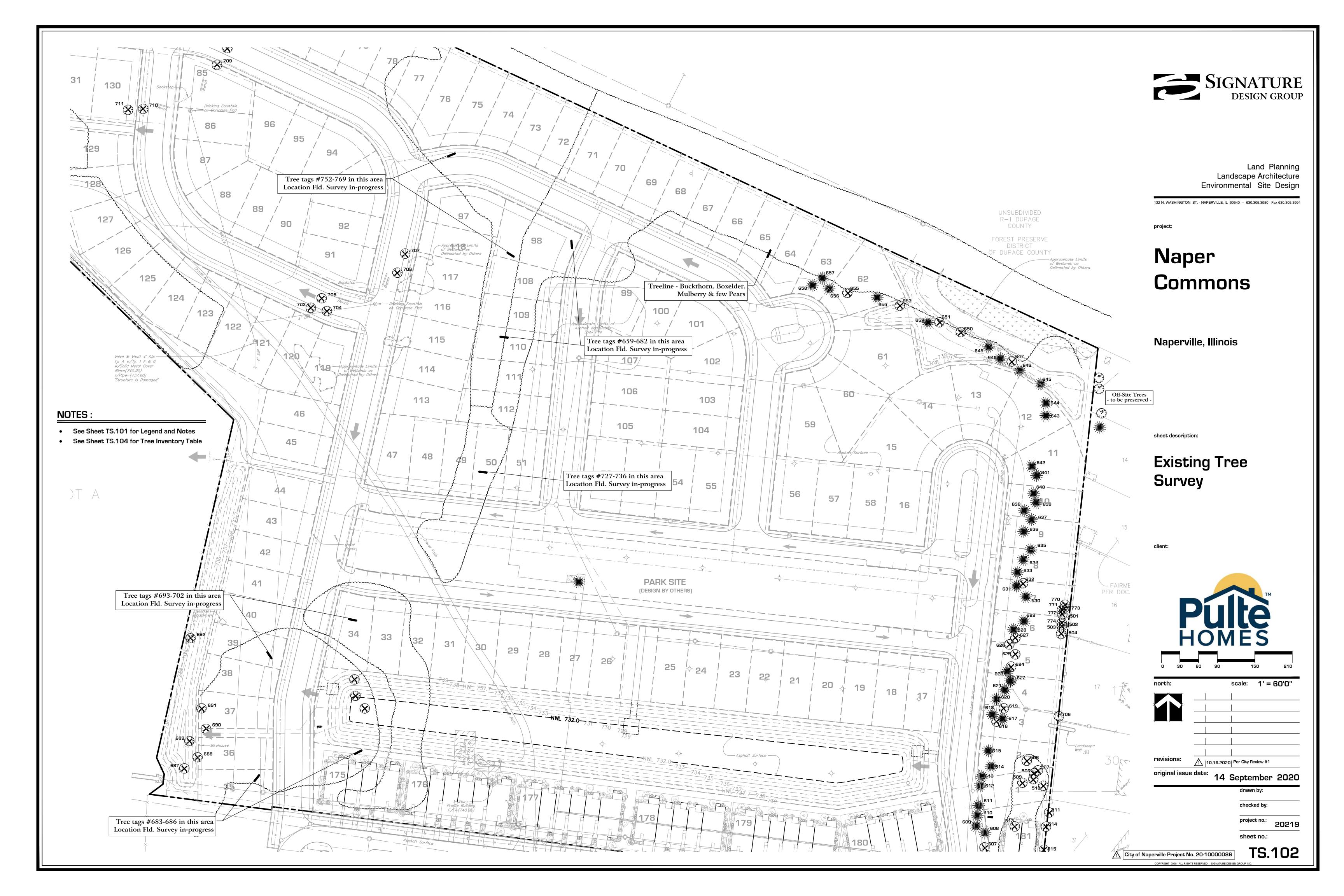


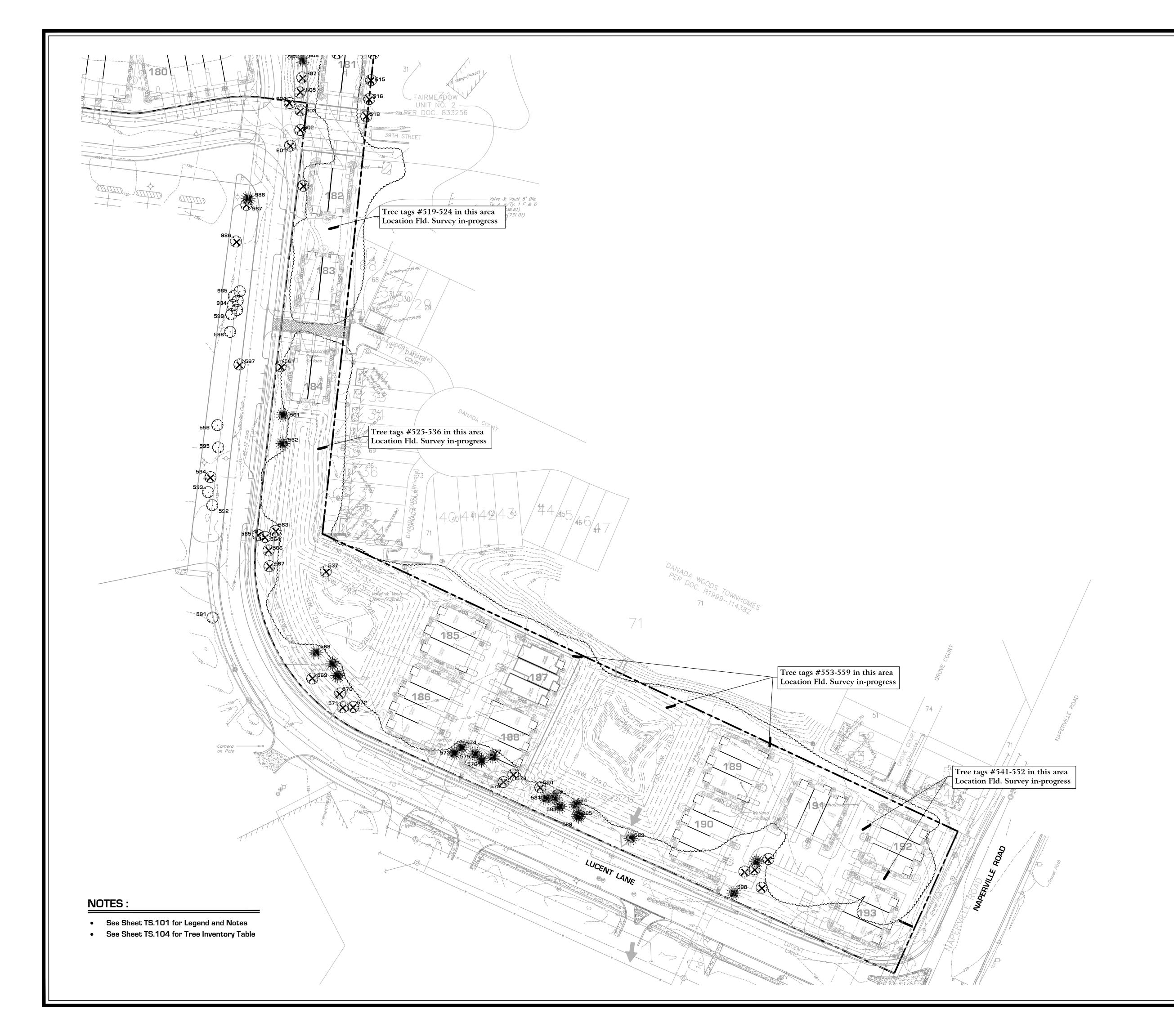


TREE PRESERVATION NOTES:

- Tree Removal Permit Required: A tree removal permit shall be required for the removal of any tree in the Site. No person shall, directly or indirectly, remove, damage or destroy a woodland without having secured a TRP.
- The Owner or his/her designee shall be responsible for construction and maintenance of temporary fencing or other tree protection measures, to be used during construction.
- 3. Snow fencing shall be temporarily installed at the critical root zone for protection of trees prior to any construction activities and maintained throughout the entire project. The Critical Root zones equals one foot (1') for each one inch (1") of trunk diameter measured 4.5 feet above ground. See detail A.
- 4. Grading and construction equipment shall be forbidden from encroaching within the drip line of a tree.
- 5. No construction activity, movement, and/or placement of equipment or materials or spoils storage shall be permitted within the critical root zone of a protected tree or at any higher location where drainage toward the tree could conceivably affect the health of the tree. No excess soil, additional fill, liquids or construction debris shall be placed within the critical root zone of a protected tree.
- 6. No attachments, fences, or wires, other than those approved for bracing, guying or wrapping, shall be attached to trees during the construction period.
- 7. Grade change shall be allowed under the drip line of any trees designated for preservation only if tree trunks and branches are protected when construction must occur within tree drip line areas.
- 8. To improve the survival rate of trees, root pruning and/or thinning shall be performed in accordance with industry standards and practices and where indicated on the plan.









Land Planning Landscape Architecture Environmental Site Design

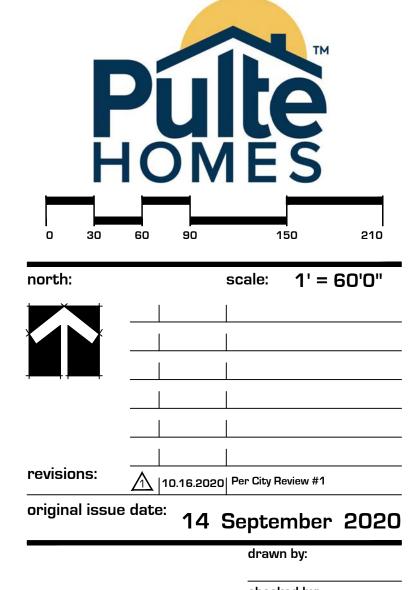
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Naperville, Illinois

sheet description:

Existing Tree Survey



checked by:

project no.: 20219 sheet no.:

City of Naperville Project No. 20-10000086

TS.103

EE	INVENTOF	RY DATA:			(see	she
	Common Name		<u>DBH</u>	Condition	<u>Remarks</u>	s/R
	Boxelder Boxelder	Acer negundo Acer negundo	15 9	Fair Fair		R
503	Silver Maple	Acer saccarinum	20	Good		R
504 505	Boxelder Boxelder	Acer negundo Acer negundo	17 19	Poor Poor		R R
506	Siberian Elm	Ulmus pumila	22	Fair		R
	Mulberry Mulberry	Morus alba Morus alba	2x10 6	Fair Fair		R
	Siberian Elm	Ulmus pumila	14	Good		R
	Boxelder Silver Maple	Acer negundo Acer saccarinum	30	Fair Poor		R
	Mulberry	Morus alba	30 6	Fair		R
	Silver Maple	Acer saccarinum	24	Poor		R
	Silver Maple Silver Maple	Acer saccarinum Acer saccarinum	21 22	Poor Poor		R R
516	Siberian Elm	Ulmus pumila	22	Fair		R
	Mulberry Siberian Elm	Morus alba Ulmus pumila	10 28	Fair Fair		R
	Siberian Elm	Ulmus pumila	8	Good		R
	Mulberry Mulberry	Morus alba Morus alba	20 8	Fair Fair		R R
	Siberian Elm	Ulmus pumila	3x7	Fair		R
	Mulberry Siberian Elm	Morus alba	10	Poor Fair		R
	Red Bud	Ulmus pumila Cercis canadensis	10 2x14	Poor		R
	Siberian Elm	Ulmus pumila	8	Fair		R
	Siberian Elm Siberian Elm	Ulmus pumila Ulmus pumila	6 7	Fair Fair		R
529	Black Cherry	Prunus serrotina	8	Poor		R
	Mulberry Siberian Elm	Morus alba Ulmus pumila	12 8	Poor Good		R
	Red Maple	Acer rubrum	16	Fair		R
533	Honeylocust	Gleditsia triacanthos	24	Fair	on property line	S
	Honeylocust Mulberry	Gleditsia triacanthos Morus alba	22 3x12	Good Poor	on property line on property line	S S
536	Mulberry	Morus alba	21	Poor	on property line	5
537 538	Red Oak Green Ash	Quercus rubra Fraxinus pennsylvanica	22 2x8	Fair Fair		R R
	White Pine	Pinus strobus	16	Fair		R
540	Cottonwood	Populus deltoides Gleditsia triacanthos	10	Good Fair		R R
541 542	Honeylocust Honeylocust	Gleditsia triacanthos	26 24	Fair		R
	Honeylocust	Gleditsia triacanthos	20	Fair		R
544 545	Honeylocust Honeylocust	Gleditsia triacanthos Gleditsia triacanthos	18 22	Fair Fair		R
	Honeylocust	Gleditsia triacanthos	22	Fair		R
	Austrian Pine Austrian Pine	Pinus nigra Pinus nigra	12 18	Fair Poor		R R
	Austrian Pine	Pinus nigra	12	Poor		R
	Austrian Pine	Pinus nigra	12	Poor		R
551 552	Honeylocust Green Ash	Gleditsia triacanthos Fraxinus pennsylvanica	36 36	Good Good	on property line on property line	S
553	Siberian Elm	Ulmus pumila	6	Fair		R
554 555	Mulberry Green Ash	Morus alba Fraxinus pennsylvanica	9 10	Poor Dead	on property line	R
	Mulberry	Morus alba	9	Fair		R
	Mulberry Black Walnut	Morus alba	9 12	Poor Good		R R
	Siberian Elm	Juglans nigra Ulmus pumila	2x8	Fair		R
	Mulberry	Morus alba	2x6	Fair		R
	Austrian Pine Austrian Pine	Pinus nigra Pinus nigra	16 16	Dead Dead		R
563	Siberian Elm	Ulmus pumila	9	Good		R
	Hackberry Crabapple	Celtis occidentalis Malus sp.	7 4x8	Poor Poor		R
	Hackberry	Celtis occidentalis	9	Good		R
	Crabapple	Malus sp.	5x8	Poor		R
	Austrian Pine Crabapple	Pinus nigra Malus sp.	10 2x6	Dead Poor		R
570	Red Maple	Acer rubrum	5x5	Poor		R
	Crabapple Crabapple	Malus sp. Malus sp.	3x12 2x12	Poor Poor		R
	Austrian Pine	Pinus nigra	16	Dead		R
	Austrian Pine Austrian Pine	Pinus nigra	16	Dead Dead		R R
	Austrian Pine Austrian Pine	Pinus nigra Pinus nigra	14 16	Dead		R
	Austrian Pine	Pinus nigra	14	Dead		R
	Crabapple Crabapple	Malus sp. Malus sp.	4x6 11	Fair Poor		R R
580	Crabapple	Malus sp.	8	Poor		R
	Austrian Pine Austrian Pine	Pinus nigra Pinus nigra	18 7	Fair Dead	Zimmerman	R
	Austrian Pine	Pinus nigra		Poor		R
	Austrian Pine	Pinus nigra	16	Dead		R
	Austrian Pine Austrian Pine	Pinus nigra Pinus nigra	16 15	Dead Poor	Zimmerman	R
587	Mulberry	Morus alba	7	Fair		R
	Austrian Pine Austrian Pine	Pinus nigra Pinus nigra	17 12	Poor Poor		R
590	Austrian Pine	Pinus nigra	12	Fair		R
591 592	Honeylocust Honeylocust	Gleditsia triacanthos Gleditsia triacanthos	2 4 18	Excellent Good		S S
593	Honeylocust Honeylocust	Gleditsia triacanthos	20	Good		S
594	Crabapple	Malus sp.	14	Poor		R
595 596	Honeylocust Honeylocust	Gleditsia triacanthos Gleditsia triacanthos	4x12 20	Good Good		S
597	Amur Maple	Acer ginnala	20' ms	fair		S
598 599	Amur Maple Amur Maple	Acer ginnala Acer ginnala	20' ms 20' ms			S
223	_l , amar maple	I rect Birmaia	L=0 1115	l i att	<u> </u>	

	Common Name	Botanical Name	<u>DBH</u>	Condition	<u>Remarks</u>	<u>s /</u>
	Amur Maple Linden	Acer ginnala Tilia Cordata	20' ms 12	fair Poor		S R
502	Amur Maple	Acer ginnala	2x8	Good		R
	Amur Maple Amur Maple	Acer ginnala Acer ginnala	3x4 2x10	Fair Poor		R
605	Amur Maple	Acer ginnala	5x8	Fair		R
606		Pinus nigra	12	Dead		F
	Magnolia Austrian Pine	Magnolia sp.	3x6 12	Good		F
608 609	Austrian Pine	Pinus nigra Pinus nigra	12	Dead Poor	Zimmerman	F
610	Austrian Pine	Pinus nigra	10	Fair	Zimmerman	F
611	Colorado Spruce	Picea pungens	11	Dead	no control looder	F
612 613	Colorado Spruce Austrian Pine	Picea pungens Pinus nigra	14 16	Fair Dead	no central leader	F
614	Austrian Pine	Pinus nigra	15	Good	Zimmerman	F
	· ·		11	Fair	1	F
616 617	Crabapple Austrian Pine	Malus sp. Pinus nigra	9 11	Fair Poor	scab Zimmerman	F
	+	Picea glauca 'Denstata'	7	Poor		F
619	Crabapple	Malus sp.	8	Fair	scab	F
		Pinus nigra Picea glauca 'Denstata'	15 10	Dead Fair		F
622	Mulberry	Morus alba	10	Fair	growing into BHS	F
623	Austrian Pine	Picea pungens	12	Dead	Zimmerman	F
624 625	Crabapple Crabapple	Malus sp. Malus sp.	8 7	Poor Fair	Columnar	F
	Crabapple	Malus sp.	10	Good	Columna	F
627	Crabapple	Malus sp.	10	Fair		F
	Austrian Pine Black Hills Spruce	Pinus nigra Picea glauca 'Denstata'	14 14	Fair Good	Zimmerman	F
		Picea glauca 'Denstata'	2x7,x4			F
631	Austrian Pine	Pinus nigra	12	Poor	Zimmerman	F
	Crabapple	Malus sp.	8	Poor		F
	Austrian Pine Austrian Pine	Pinus nigra Pinus nigra	10 10	Dead Dead		F
	+	Picea glauca 'Denstata'		Fair		F
	Austrian Pine	Pinus nigra	9	Dead		F
	Austrian Pine Austrian Pine	Pinus nigra Pinus nigra	13 15	Poor Poor		F
	+	Picea glauca 'Denstata'	8	Fair		F
	Austrian Pine	Pinus nigra	10	Poor	Zimmerman	F
	Austrian Pine Austrian Pine	Pinus nigra Pinus nigra	3x10	Poor Fair	Zimmerman	F
	Austrian Pine	Pinus nigra	11	Poor	Zillillelillali	F
	Austrian Pine	Pinus nigra	9	Dead		F
645 646	 	Picea glauca 'Denstata' Pinus resinosa	8 3x6	Fair fair	high branched Zimmerman	F
647	+	Malus sp.	6	Poor	Zillillelillali	F
	Colorado Spruce	Picea pungens	13	Fair	double leader, dead top	F
649	Colorado Spruce Crabapple	Picea pungens Malus sp.	15 6	Good Dead		F
	Crabapple	Malus sp.	6	Poor		F
652	 ''	Pinus strobus	9	Fair		F
653	'	Malus sp.	6	Dead		F
654 655	Colorado Spruce Crabapple	Picea pungens Malus sp.	13 6	Excellent Dead		F
	White Pine	Pinus strobus	10	Good		F
	White Fir	Abies concolor	12	Poor	poison ivy!	F
	Black Hills Spruce Boxelder	Picea glauca 'Denstata' Acer negundo	12 12	Good Fair		F
		Pyrus calleryana	10	Good		F
		Populus deltoides	11	Good		F
662 663	Cottonwood Boxelder	Populus deltoides Acer negundo	11 3 x 7	Good 1		F
	Elm	Ulmus rubra	9	Fair		F
665	Elm	Ulmus rubra	7	Good		F
666 667	Boxelder	Acer negundo	3x5 7	Fair		F
	Boxelder Boxelder	Acer negundo Acer negundo	6	Fair Fair		F
669	Boxelder	Acer negundo	7	Fair		F
	+	Ulmus rubra	8	Good		F
	Elm Boxelder	Ulmus rubra Acer negundo	2x8 9	Fair Fair		F
	Boxelder	Acer negundo	10	Fair		F
674	Boxelder	Acer negundo	8	Good		F
	Boxelder Buckthorn	Acer negundo Rhamnus	2x10 10	Good Fair		F
677	Elm	Ulmus rubra	12	Good		F
	· '	Prunus serrotina	10	Good		F
	Buckthorn Boxelder	Rhamnus Acer negundo	7 3x8	Fair Good		F
	Honeylocust	Gleditsia triacanthos	10	Good		F
682	Siberian Elm	Ulmus pumila	11	Fair		F
683 684	Mulberry Mulberry	Morus alba Morus alba	5x5 8	Good Fair		F
	Mulberry	Morus alba	28	Good		F
686	Black Walnut	Juglans nigra	8	Good		F
	Red Oak	Quercus rubra	28	Fair		F
	Red Oak Red Oak	Quercus rubra Quercus rubra	28 26	Good Fair		F
	Red Oak	Quercus rubra	24	Poor		F
690	Red Oak	Quercus rubra	26	Excellent	61.1	F
691	+		12	Fair	Chlorotic	F
691 692	Red Maple	Acer rubrum Rhamnus			5/110/10/10	г
691 692 693	+	Rhamnus Acer rubrum	8x5 10	Fair Poor	Chlorotic	
691 692 693 694 695	Red Maple Buckthorn Red Maple Crabapple	Rhamnus Acer rubrum Malus sp.	8x5 10 2x12	Fair Poor Dead		F
691 692 693 694 695 696	Red Maple Buckthorn Red Maple	Rhamnus Acer rubrum	8x5 10	Fair Poor		F

ag#	Common Name	Botanical Name	DBH	Condition	<u>Remarks</u>	<u>s /ı</u>
599	White Oak	Quercus alba	32	Dead		R
'00	Elm	Ulmus rubra	10	Good		R
701	Elm	Ulmus rubra	11	Good		R
02	Elm	Ulmus rubra	9	Good		R
703	Green Ash	Fraxinus pennsylvanica	20	Dead		R
704	Green Ash	Fraxinus pennsylvanica	20	Dead		R
705	Green Ash	Fraxinus pennsylvanica	20	Dead		R
706	Honeylocust	Gleditsia triacanthos	20	Good		R
707	Honeylocust	Gleditsia triacanthos	19	Good		R
708	Green Ash	Fraxinus pennsylvanica	22	Dead		R
709	Green Ash	Fraxinus pennsylvanica	18	Dead		R
710	Green Ash	Fraxinus pennsylvanica	20	Dead		R
7 <u>11</u> 712	Norway Maple Black Cherry	Acer platanoides	24 2x 1 4	Excellent Poor		R
712 713	Silver Maple	Prunus serrotina Acer saccarinum	2x14 26	Fair	low branch	R
714	· · · · · · · · · · · · · · · · · · ·	Salix alba 'Tristis'	36	Poor	tow branch	R
715	Weeping Willow	Salix alba 'Tristis'	36	Poor		R
16	Weeping Willow	Salix alba 'Tristis'	40	Poor		R
717	Elm	Ulmus rubra	11	Fair		R
18	Honeylocust	Gleditsia triacanthos	11	Good		R
19	Honeylocust	Gleditsia triacanthos	8	Good		R
720	Honeylocust	Gleditsia triacanthos	2x6	Fair	thorns	R
721	Honeylocust	Gleditsia triacanthos	8	Fair	thorns	R
22	Black Walnut	Juglans nigra	2x14	Good		R
23	Black Walnut	Juglans nigra	3x10	Good		R
24	Honeylocust	Gleditsia triacanthos	10	Good		R
25	Honeylocust	Gleditsia triacanthos	11	Good 🚹		R
26	Callery Pear	Pyrus calleryana	8	Good		R
27	Cottonwood	Populus deltoides	10	Good		R
28	Boxelder	Acer negundo	10	Good		R
29	Boxelder	Acer negundo	10	Fair		R
'30	Boxelder	Acer negundo	2x8	Fair		R
31	Boxelder	Acer negundo	2x6	Fair		R
'32 '33	Honeylocust	Gleditsia triacanthos	7	Fair	thorns	R
733	Siberian Elm	Ulmus pumila	10	Good		R
'34 '35	Callery Pear Callery Pear	Pyrus calleryana Pyrus calleryana	2x8 8	Fair Good		R
736 736	· ·	Pyrus calleryana	2x5	Good		R
737	Honeylocust	Gleditsia triacanthos	6	Good		R
738	Honeylocust	Gleditsia triacanthos	7	Good		R
739	Honeylocust	Gleditsia triacanthos	8	Good		R
740	Honeylocust	Gleditsia triacanthos	6	Fair		R
41	Honeylocust	Gleditsia triacanthos	7	Good		R
742	Mulberry	Morus alba	3x10	Good		R
43	Elm	Ulmus rubra	6	Fair		R
44	Cottonwood	Populus deltoides	2x12	Fair		R
745	Honeylocust	Gleditsia triacanthos	14	Fair	low branch	R
46	Honeylocust	Gleditsia triacanthos	8	Fair		R
47	Honeylocust	Gleditsia triacanthos	8	Fair	low branch	R
	Honeylocust	Gleditsia triacanthos	10	Fair		R
49	Honeylocust	Gleditsia triacanthos	8	Fair		R
50	Honeylocust	Gleditsia triacanthos	6	Fair		R
51 52	Honeylocust	Gleditsia triacanthos	3x10	Fair		R
52	Siberian Elm	Ulmus pumila	9	Fair		R
53	Boxelder	Acer negundo	2x16	Fair		R
54	Boxelder	Acer negundo	8	Fair Fair		R
'55 '56	Cottonwood	Populus deltoides	11	Fair Fair		R
756 757	Cottonwood Cottonwood	Populus deltoides Populus deltoides	14 15	Fair Fair		R
757 758	1	Populus deltoides	15 8	Fair Fair		R
759	Cottonwood	Populus deltoides	18	Fair	poison ivy!	R
760	Cottonwood	Populus deltoides	2x16	Fair	porson rvy:	R
60	Cottonwood	Populus deltoides	20	Fair		R
62	Cottonwood	Populus deltoides	3x12	Fair		R
763	Cottonwood	Populus deltoides	3x8	Fair		R
764	Cottonwood	Populus deltoides	16	Fair		R
65	Cottonwood	Populus deltoides	11	Fair		R
'66	Cottonwood	Populus deltoides	2x10	Fair		R
67	Boxelder	Acer negundo	8	Poor		R
68	Cottonwood	Populus deltoides	2x7	Fair		R
69	Cottonwood	Populus deltoides	9	Fair		R
770	Crabapple	Malus sp.	7	Dead		R
771	Crabapple	Malus sp.	10	Dead		R
772	Crabapple	Malus sp.	16	Dead		R
773	Buckthorn	Rhamnus	6x6	Poor		R
74	Boxelder	Acer negundo	11	Fair		R
84	Amur Maple	Acer ginnala	20' ms	Fair		S
_	Amur Maple	Acer ginnala	20' ms	Fair		S
85						
	†	Acer rubrum	12	Poor	topped Chlorotic	R
85 86 87	· · · · · · · · · · · · · · · · · · ·	Acer rubrum Acer rubrum	12 10	Poor Poor	topped Chlorotic	R

△ Existing Tree Summary Table :

Total Trees - Surveyed 279	
Total Trees - Fair or Better Cond 186	(67%)
Total Trees - Poor or Dead 93	(33%)
Total Trees to be Saved	(6%)

^{*} will try to save more at Final Design



Land Planning Landscape Architecture
Environmental Site Design

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Naper Commons

Naperville, Illinois

sheet description:

Existing Tree Inventory



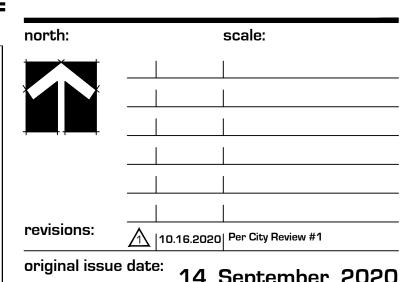
Condition Rating Key:

<u>Rating</u>	<u>Description</u>	General Criteria
5	Excellent	The tree is typical of the species, has less than 10% deadwood in the crown that is attributable to normal causes, has no other observed problems, and requires no remedial action
4	Good	The tree is typical of the species and / or has less than 20% deadwood in the crown, only 1 or 2 minor problems that are easily corrected with normal care.
3	Fair	The tree is typical of the species and / or has less than 40% deadwood in the crown, only 1 or 2 minor problems that are not imminently lethal to the tree and no significant decay or significant decay or structural problems, but the tree must have remedial care above normal care in order to minimize the impact of future stress and to ensure continued health.
2	Poor	The tree is not typical of the species and / or has over 50% deadwood in the crown, major decay or structural problems, is hazardous or is severely involved with insects, disease, or other problems that even if aggressively corected would not result in the long term survival of the tree.
1	Dead	Less than 10% of the tree shows signs of life

Status Key :

S - Save - To Be Preserved

R - Remove



original issue date: 14 September 2020

checked by:	
project no.:	202
sheet no.:	

TS.104 City of Naperville Project No. 20-10000086