# Preliminary Landscape Plan

# 1960 W. Lucent

# Naperville, Illinois

June 12, 2025

# CONSULTANTS:



LANDSCAPE ARCHITECT:

GARY R. WEBER ASSOCIATES, INC 402 W. LIBERTY DRIVE WHEATON, ILLINOIS 60187

#### CIVIL ENGINEER:



JACOB & HEFNER

1333 BUTTERFIELD ROAD, SUITE #300

DOWNERS GROVE, ILLINOIS 60515

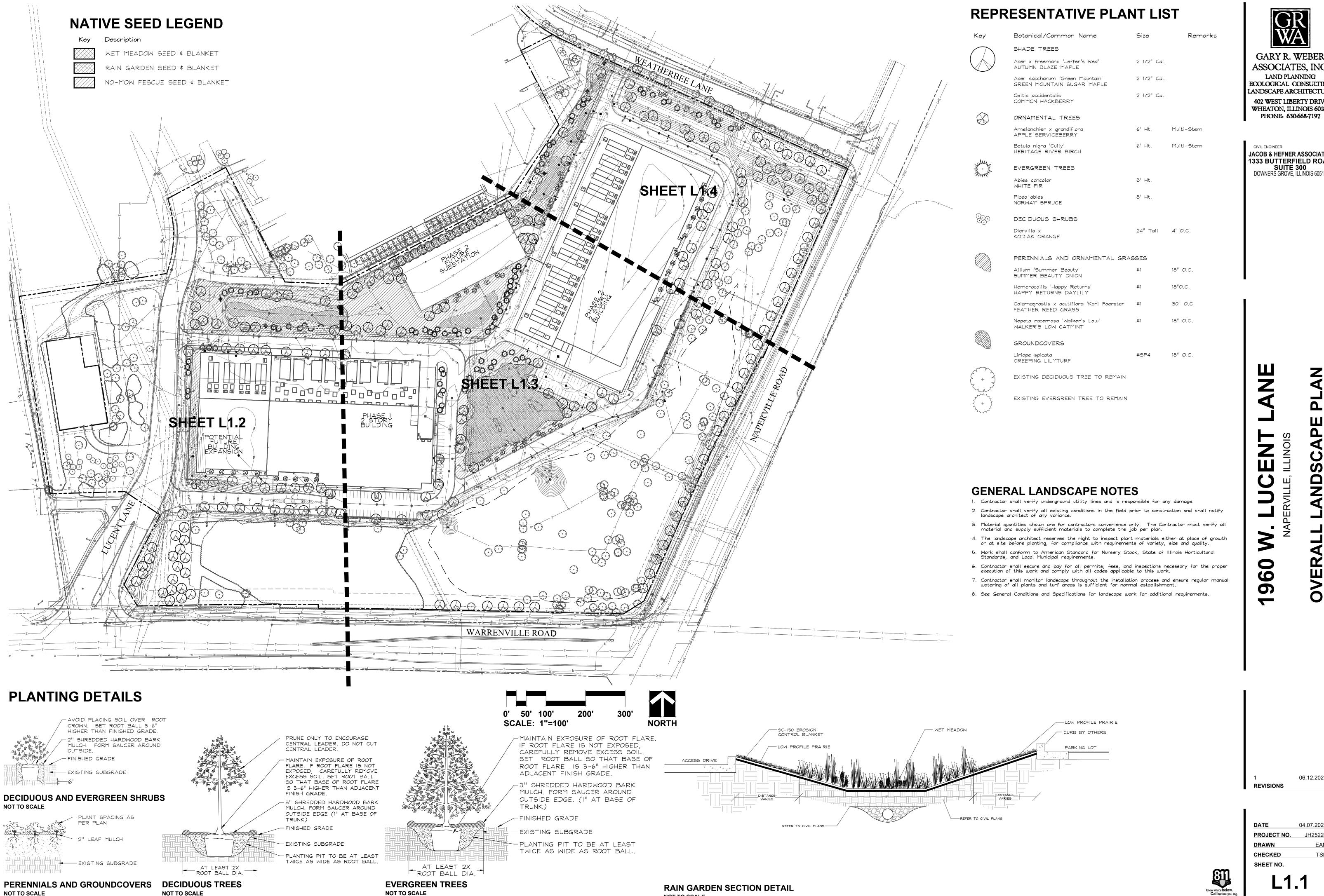
# SUBJECT PROPERTY WARRENVILLE ROAD

LOCATION MAP

SCALE: 1"=600'

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**NOT TO SCALE** 

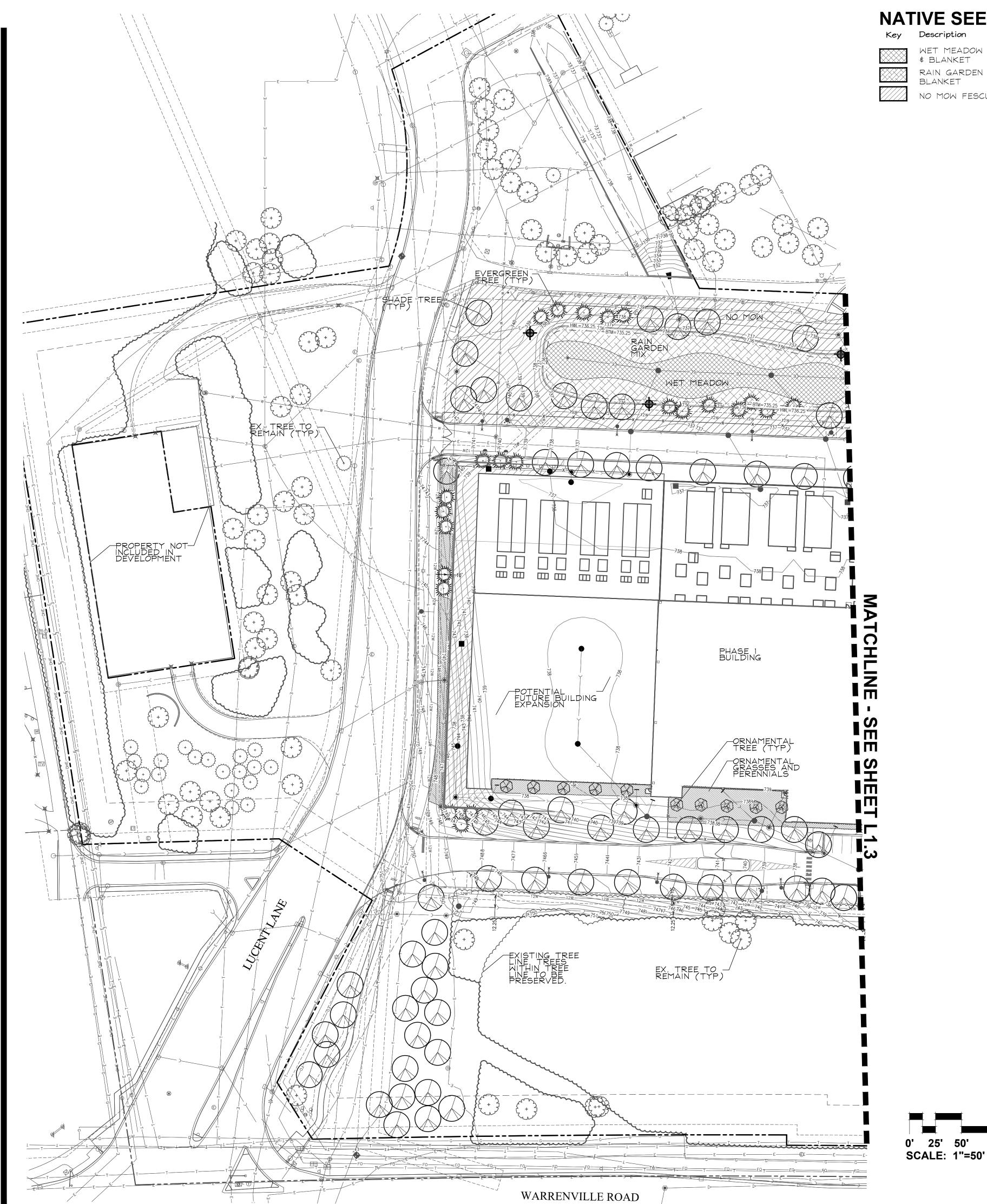
GARY R. WEBER ASSOCIATES, INC. LAND PLANNING ECOLOGICAL CONSULTING ANDSCAPE ARCHITECTURE 402 WEST LIBERTY DRIVE WHEATON, ILLINOIS 60187

**JACOB & HEFNER ASSOCIATES 1333 BUTTERFIELD ROAD** 

SUITE 300 DOWNERS GROVE, ILLINOIS 60515

06.12.2025 **REVISIONS** 

04.07.2025 DATE PROJECT NO. JH25224 CHECKED SHEET NO.



# NATIVE SEED LEGEND

NORTH

Key Description

WET MEADOW SEED \$ BLANKET

RAIN GARDEN SEED \$ BLANKET

NO MOW FESCUE

GARY R. WEBER ASSOCIATES, INC. LAND PLANNING ECOLOGICAL CONSULTING LANDSCAPE ARCHITECTURE 402 WEST LIBERTY DRIVE WHEATON, ILLINOIS 60187 PHONE: 630-668-7197

CIVIL ENGINEER JACOB & HEFNER ASSOCIATES
1333 BUTTERFIELD ROAD
SUITE 300
DOWNERS GROVE, ILLINOIS 60515

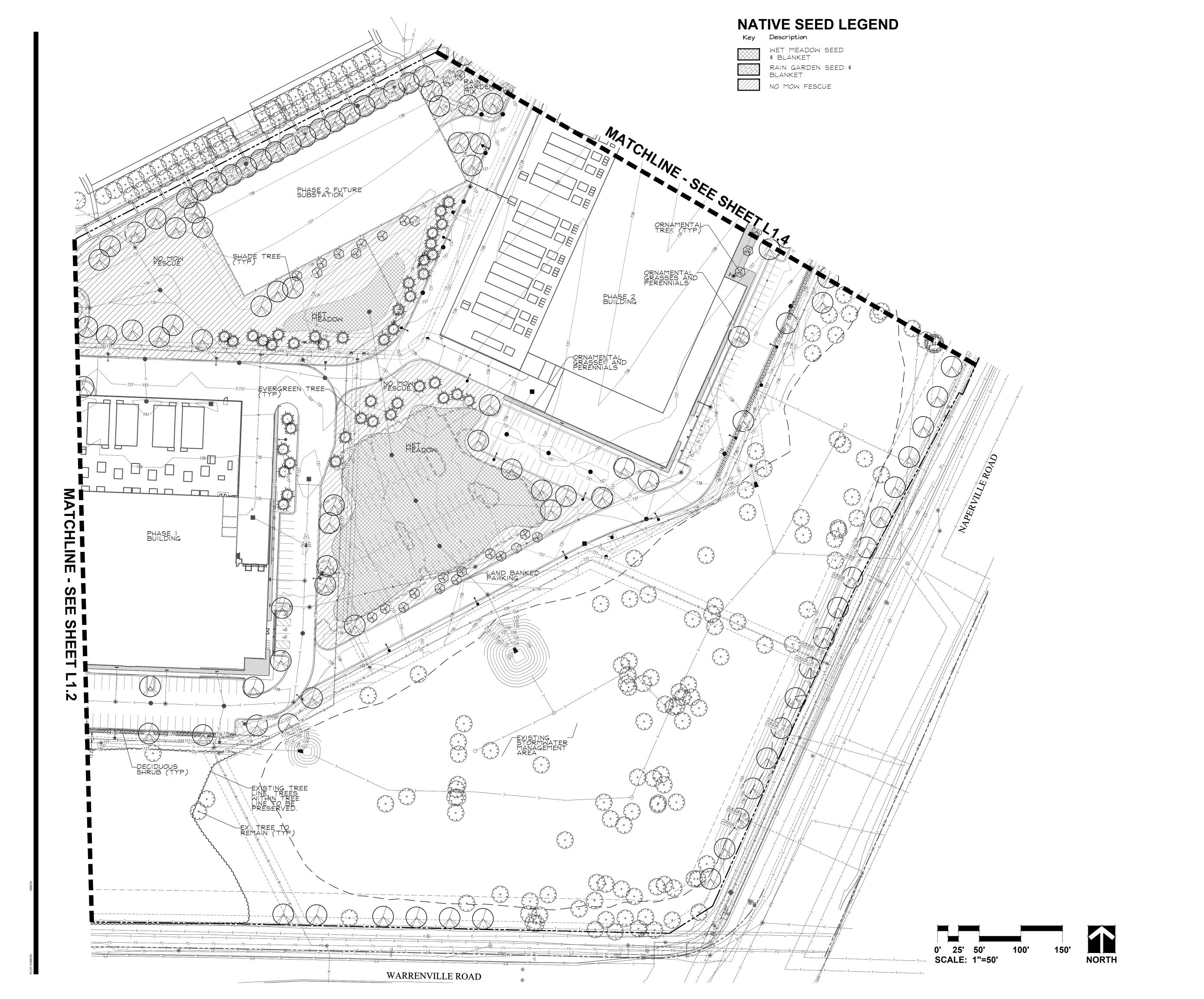
W. LUCENT NAPERVILLE, ILLINOIS

1960

REVISIONS

04.07.2025 PROJECT NO. SHEET NO.







JACOB & HEFNER ASSOCIATES
1333 BUTTERFIELD ROAD
SUITE 300
DOWNERS GROVE, ILLINOIS 60515

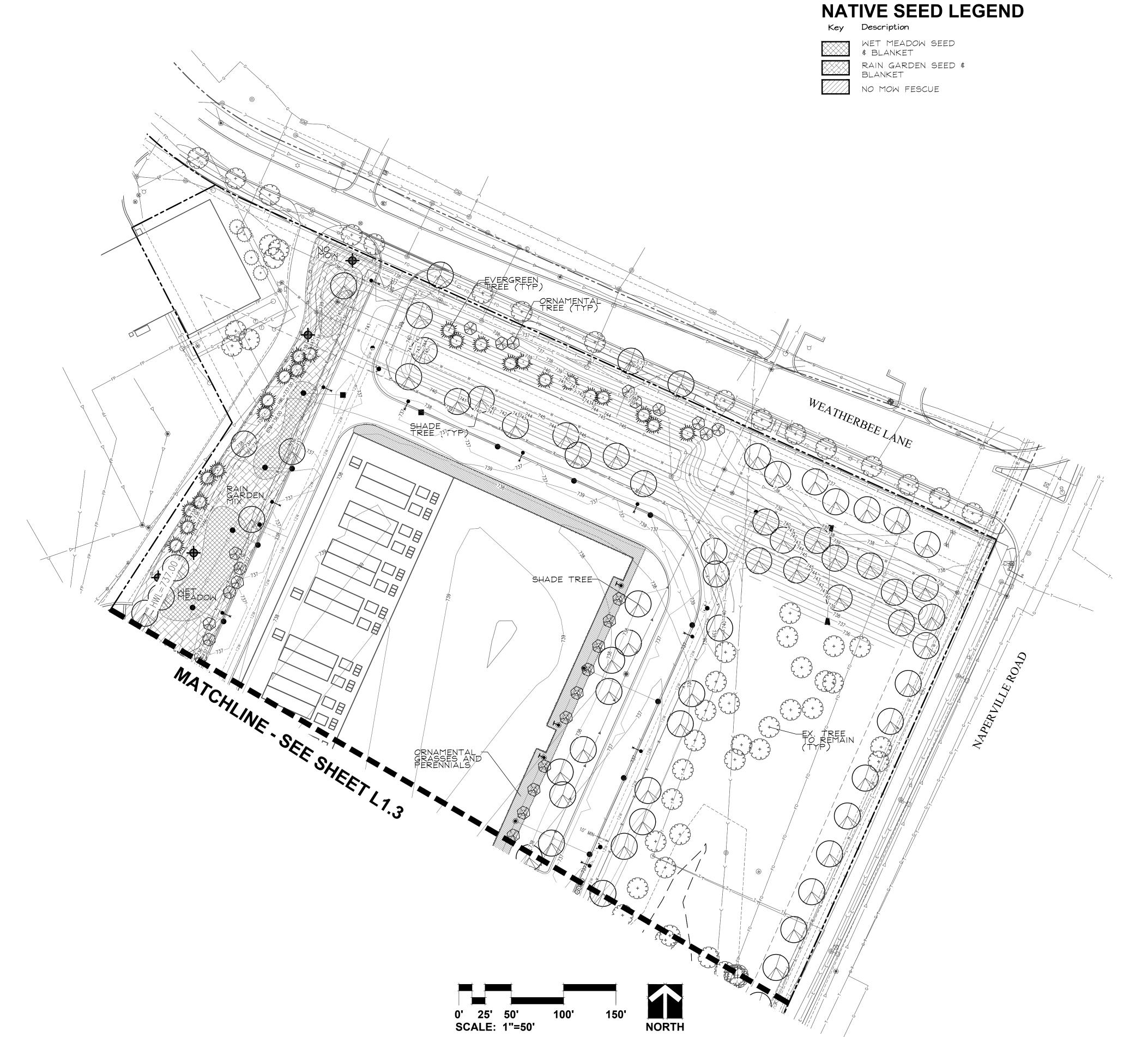
W. LUCI

1960

06.12.2025 **REVISIONS** 

04.07.2025 PROJECT NO. JH25224 CHECKED SHEET NO.







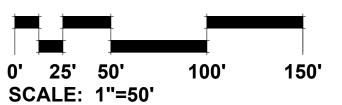
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1333 BUTTERFIELD ROAD
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DOWNERS GROVE, ILLINOIS 60515

LANDSCAPE

W. LUCENT NAPERVILLE, ILLINOIS 1960

04.07.2025 PROJECT NO. SHEET NO.



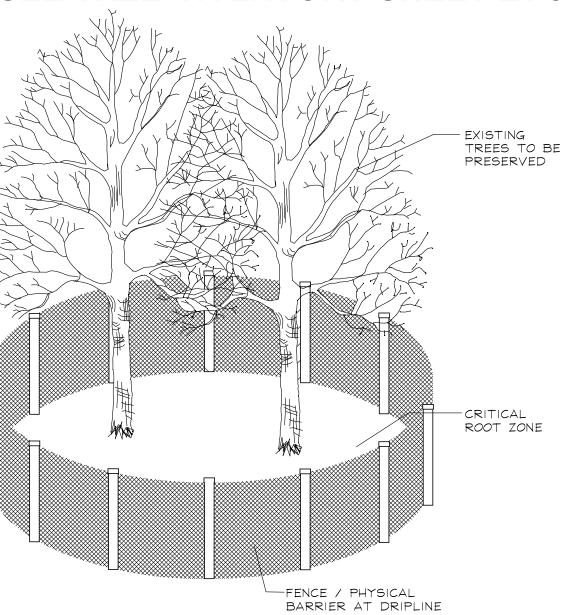


**NORTH** 

## TREE PRESERVATION NOTES

- 1. Property line shall be located and staked by a professional land surveyor prior to tree removal.
- Tree locations are shown utilizing a Trimble Catalyst GPS
  which does not constitute a professionally licensed survey. If
  survey-grade location and elevation of tagged trees is
  desired, a professional surveyor should be engaged.
- 3. 48" high snow fence or wood barriers shall extend to the dripline of the tree or tree mass whenever possible, shall be installed before construction begins, and should not be removed until the completion of construction.
- 4. Contractor shall take extreme care to protect the root system of existing trees. Should root pruning be necessary it shall not exceed 25% of the tree's root system and shall be done in accordance with recognized horticulture practices under the supervision of a professional arborists, Landscape Architect or Horticulturist.
- 5. All accidental damage to existing trees that are to be preserved shall be promptly treated as required in accordance with recognized horticultural practices and the instructions of the professional Arborist, Landscape Architect or Horticulturist.
- 6. Broken or badly bruised branches shall be removed with a clean cut. If recommended by the professional Arborist, Landscape Architect or Horticulturist.
- 7. Care shall be exercised by the contractors to protect all overhead limbs and branches from damage by contact with material, machinery or equipment and by damage from engine exhaust.
- 8. Contractors shall protect trees and vegetation against spills or discharge of fuels, lubricating oils, hydraulic fluids, anti-freeze and coolants, calcium chloride, lime and all other similar hydrocarbons, organic chemicals, and other materials which can be harmful.
- 9. When underground utilities are proposed within 5' of a preserved tree trunk, they must be augered if possible.

## **SEE TREE INVENTORY SHEET L1.8**



# TREE PRESERVATION DETAIL

(NOT TO SCALE)
SEE NOTES

## **LEGEND**



EXISTING TREE TO BE PRESERVED



EXISTING TREE TO BE REMOVED

> 1 06.12.2025 **REVISIONS**

960

GARY R. WEBER

ASSOCIATES, INC.

LAND PLANNING

ECOLOGICAL CONSULTING

LANDSCAPE ARCHITECTURE

402 WEST LIBERTY DRIVE

WHEATON, ILLINOIS 60187

PHONE: 630-668-7197

**JACOB & HEFNER ASSOCIATES** 

1333 BUTTERFIELD ROAD

SUITE 300 DOWNERS GROVE, ILLINOIS 60515

CIVIL ENGINEER

 DATE
 04.07.2025

 PROJECT NO.
 JH25224

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 CHECKED
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L1.5

SHEET NO.





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1333 BUTTERFIELD ROAD
SUITE 300
DOWNERS GROVE, ILLINOIS 60515

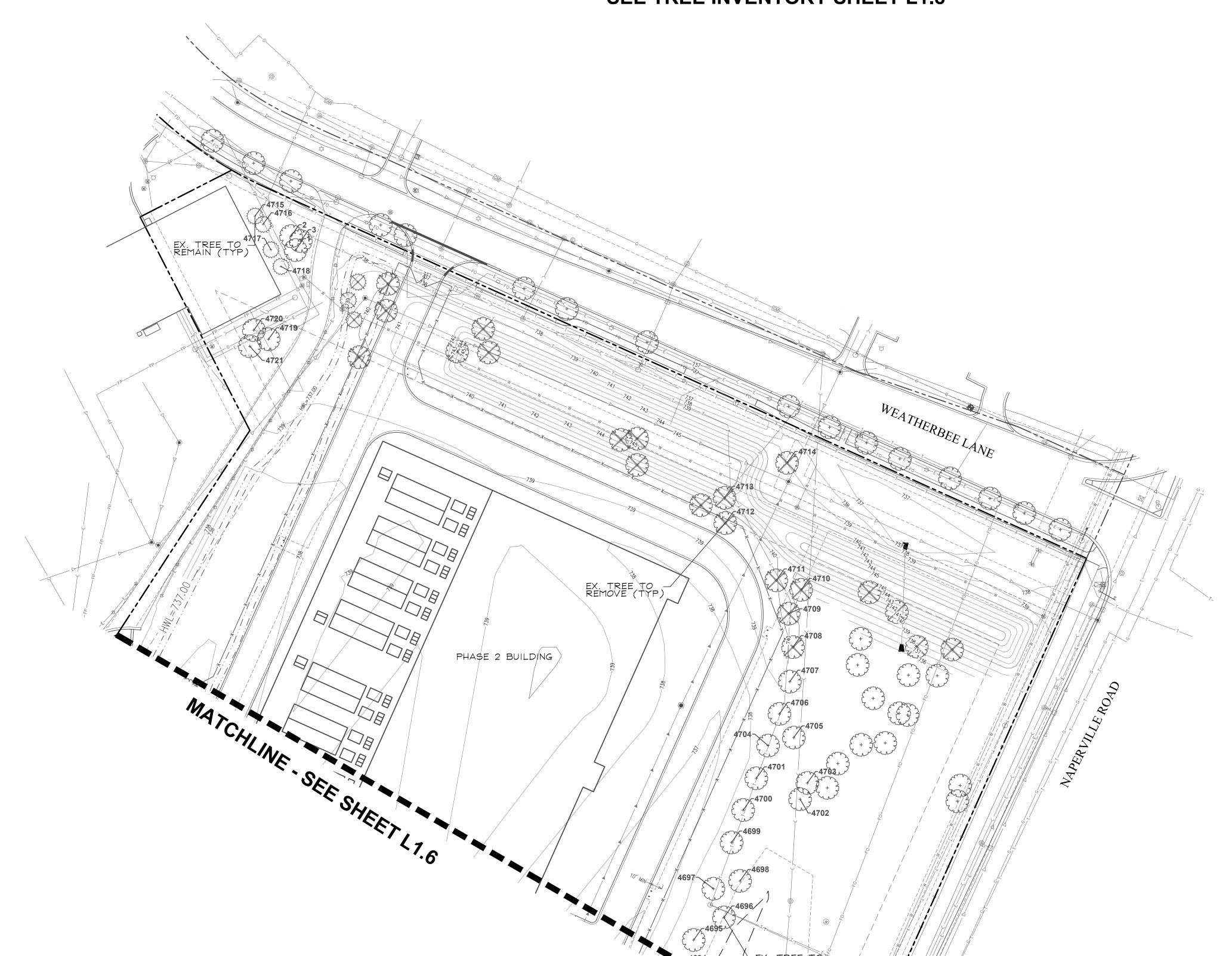
1960

CENTRAL

06.12.2025

04.07.2025 PROJECT NO. JH25224 CHECKED SHEET NO.

## SEE TREE INVENTORY SHEET L1.8



NORTH

0' 25' 50' SCALE: 1"=50'



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1333 BUTTERFIELD ROAD
SUITE 300
DOWNERS GROVE, ILLINOIS 60515

W. LUCENT
NAPERVILLE, ILLINOIS 1960

TREE PRESERVATION

06.12.2025

DATE 04.07.2025 PROJECT NO. JH25224 CHECKED SHEET NO.



<b>RATING A</b>	ND SURVEY CRITERIA									
	1) Trees measured at 4.5	ft above the ground	- DBH (diameter E	Breast Height)						
	2) All trees 4" DBH and a	above tagged. Dead ti	rees were tagged f	for removal. Inva	sive shrubs were not t	tagged.				
	3) Health Rating:									
	Rating	Description	Criteria							
	1	Excellent	Less than 10% de	ad wood, typical	growth for species, no	observed defects				
	2	Good	Less than 20% de	ad wood, minor o	defects, sound structur	re, no decay				
	3	Fair				trunk damage or cavities				
	4	Fair to Poor				or disease evidence, tru				
	5	Poor				y evident, structural dam	-			
	6	Dead	Less than 10% livi	ing wood, greater	r than 50% missing ba	rk, adventitious growth o	nly, decay			

TAG NO.	SCIENTIFIC NAME	COMMON NAME	DBH (inches)	CONDITION	STRUCTURE	HEALTH	PROPOSED ACTION
1	Picea pungens	Colorado Spruce	2, 6' Tall				PRESERVE
2	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	2, 8' Tall 2, 6' Tall				PRESERVE PRESERVE
4627	Quercus macrocarpa	Bur Oak		3 - Fair		10% dead wood, Fungus-Root	PRESERVE
4628	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4629	Acer saccharum	Sugar Maple	14	2 - Good		10% dead wood	PRESERVE
4630	Acer saccharum	Sugar Maple	1.4	4 - Fair/Poor		Dead Leader, Wood rot, Trunk Scar	DDESEDVE
4631	Acer saccharum	Sugar Maple Sugar Maple		2 - Good			REMOVE
4632	Acer saccharum	Sugar Maple		3 - Fair			REMOVE
4633	Acer saccharum	Sugar Maple		2 - Good			REMOVE
					V-shaped joint, Multi Leader, Split Risk, Lean,		
4634 4635	Morus alba Pinus nigra	White Mulberry Austrian Pine		4 - Fair/Poor 4 - Fair/Poor	Crowded	30% dead wood, Sparse foliage	REMOVE REMOVE
4636	Pinus nigra Pinus nigra	Austrian Pine Austrian Pine		6 - Dead	Crowded		REMOVE
4637	Acer platanoides	Norway Maple		3 - Fair	Lean, Crown Lean, Crowded		REMOVE
4638	Acer saccharum	Sugar Maple		3 - Fair	Unbalanced, Crown Lean		REMOVE
4639	Acer saccharum	Sugar Maple		3 - Fair	Crown Lean	10% dead wood	REMOVE
4640 4641	Acer saccharum Gleditsia triacanthos	Sugar Maple Honey Locust		3 - Fair 3 - Fair	Crown Lean, Crowded Unbalanced, Crowded, Broken Limb	20% dead wood	REMOVE PRESERVE
4642	Gleditsia triacanthos	Honey Locust		3 - Fair	Unbalanced, Crown Lean	30% dead wood	PRESERVE
4643	Gleditsia triacanthos	Honey Locust		6 - Dead			PRESERVE
4644	Gleditsia triacanthos	Honey Locust		3 - Fair	Crown Lean	30% dead wood	PRESERVE
4645	Gleditsia triacanthos	Honey Locust		3 - Fair	Unbalanced, Crown Lean	20% dead wood	REMOVE
4646 4647	Gleditsia triacanthos Acer saccharum	Honey Locust Sugar Maple		3 - Fair 3 - Fair	Crown Lean, Broken Limb Crown Lean, Crowded	20% dead wood	REMOVE PRESERVE
4648	Gleditsia triacanthos	Honey Locust		3 - Fair 3 - Fair	Unbalanced, Crown Lean, Broken Limb	20% dead wood	REMOVE
4649	Acer saccharum	Sugar Maple		2 - Good	., 232, 3191.01. 211119		REMOVE
4650	Acer saccharum	Sugar Maple	17	2 - Good			REMOVE
4651	Fraxinus spp.	Ash		6 - Dead	Declaration!		REMOVE
4652 4653	Acer saccharum Morus alba	Sugar Maple White Mulberry		2 - Good 3 - Fair	Broken Limb Crown Lean, Crowded	10% dead wood	REMOVE REMOVE
4654	Morus alba	White Mulberry		3 - Fair 3 - Fair	Lean, Crown Lean, Crowded		REMOVE
4655	Acer saccharum	Sugar Maple		3 - Fair	Crown Lean	10% dead wood, Dead Limbs	REMOVE
4656	Acer saccharum	Sugar Maple	15	2 - Good			REMOVE
4657	Juglans nigra	Black Walnut		2 - Good			REMOVE
4658	Quercus rub ra	Red Oak		2 - Good			REMOVE
4659 4660	- Acer saccharum	Unknown Sugar Maple		6 - Dead 4 - Fair/Poor		50% dead wood	PRESERVE REMOVE
4661	Acer saccharum	Sugar Maple		2 - Good			REMOVE
4662	Acer saccharum	Sugar Maple		2 - Good			REMOVE
						30% dead wood, Dead Limbs,	
4663	Acer saccharum	Sugar Maple		4 - Fair/Poor	Crown Lean	Cavity	PRESERVE
4664 4665	Juglans nigra Tilia cordata	Black Walnut Littleleaf Linden		3 - Fair 2 - Good	Crown Lean, Crowded		PRESERVE REMOVE
4666	Tilia cordata	Littleleaf Linden		2 - Good 2 - Good			REMOVE
4667	Tilia cordata	Littleleaf Linden		2 - Good			REMOVE
4668	Tilia cordata	Littleleaf Linden		4 - Fair/Poor	Broken Limb	Cavity	REMOVE
4669	Tilia cordata	Littleleaf Linden		2 - Good			REMOVE
4670	Tilia cordata	Littleleaf Linden		2 - Good			REMOVE
4671 4672	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden		2 - Good 2 - Good			PRESERVE REMOVE
4673	Tilia cordata	Littleleaf Linden		2 - Good			PRESERVE
4674	Tilia cordata	Littleleaf Linden		2 - Good			REMOVE
4675	Tilia cordata	Littleleaf Linden		4 - Fair/Poor		Cavity, Trunk Scar	REMOVE
4676	Tilia cordata	Littleleaf Linden		3 - Fair		Trunk Scar	REMOVE
4677 4678	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden		2 - Good 2 - Good			REMOVE REMOVE
4678	Tilia cordata	Littleleaf Linden		2 - Good 2 - Good			REMOVE
4680	Tilia cordata	Littleleaf Linden		3 - Fair			PRESERVE
4681	Tilia cordata	Littleleaf Linden	15	2 - Good			REMOVE
4682	Tilia cordata	Littleleaf Linden		2 - Good			REMOVE
4683 4684	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden		2 - Good 2 - Good			PRESERVE PRESERVE
4685	Tilia cordata	Littleleaf Linden		2 - Good 2 - Good			REMOVE
4686	Acer saccharum	Sugar Maple		3 - Fair			REMOVE
4687	Acer saccharum	Sugar Maple	10	3 - Fair		Trunk Scar	REMOVE
4688	Acer saccharum	Sugar Maple		2 - Good			REMOVE
4689 4690	Acer saccharum  Acer saccharum	Sugar Maple Sugar Maple		3 - Fair 4 - Fair/Poor		Trunk Damage 30% dead wood, Tip die-back	REMOVE PRESERVE
4690	Acer saccharum  Acer saccharum	Sugar Maple Sugar Maple		2 - Good		oo /o dead wood, Tip die-back	PRESERVE
4692	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4693	Acer saccharum	Sugar Maple	12	2 - Good			PRESERVE
4694	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4695	Acer saccharum	Sugar Maple		2 - Good 4 - Fair/Poor	Broken Leador	30% dead wood Trunk San-	PRESERVE
4696 4697	Acer saccharum  Acer saccharum	Sugar Maple Sugar Maple		2 - Good	Broken Leader	30% dead wood, Trunk Scar	PRESERVE PRESERVE
4698	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4699	Acer saccharum	Sugar Maple	14	2 - Good			PRESERVE
4700	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4701	Acer saccharum	Sugar Maple		2 - Good	Crown Loop		PRESERVE
4702 4703	Acer saccharinum Acer saccharinum	Silver Maple Silver Maple		2 - Good 4 - Fair/Poor	Crown Lean Crown Lean, Crowded, Broken Limb	10% dead wood, Cavity	PRESERVE
4703	Acer saccharinum  Acer saccharin	Silver Maple Sugar Maple		4 - Fair/Poor 2 - Good	Crown Lean, Crowded, Droken Limb	1070 dead wood, Cavity	PRESERVE PRESERVE
4704	Acer saccharum	Sugar Maple		2 - Good 2 - Good			PRESERVE
4706	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4707	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4708	Acer saccharum	Sugar Maple		2 - Good			REMOVE
1		Sugar Manla	14	2 - Good		İ	REMOVE
4709 4710	Acer saccharum	Sugar Maple					
4709 4710 4711	Acer saccharum Acer saccharum Acer saccharum	Sugar Maple Sugar Maple Sugar Maple	13	2 - Good 6 - Dead			REMOVE REMOVE

TAG NO.	SCIENTIFIC NAME	COMMON NAME	DBH (inches)	CONDITION	STRUCTURE	HEALTH	PROPOSED ACTION
4713	Acer saccharum	Sugar Maple		2 - Good	Crown Lean	Cavity Tin dia hask	REMOVE
4714 4715	Acer rubrum Picea omorika	Red Maple Serbian Spruce	18 8, 30' Tall	4 - Fair/Poor 2 - Good	Crown Lean	Cavity, Tip die-back	REMOVE PRESERVE
4716	Picea omorika	Serbian Spruce	8, 30' Tall		Poor Form		PRESERVE
4717	Picea omorika	Serbian Spruce	8, 25' Tall		Poor Form		PRESERVE
4718 4719	Picea omorika Acer rubrum	Serbian Spruce Red Maple	7, 20' Tall	3 - Fair 3 - Fair	Poor Form , Crowded	Trunk Scar	PRESERVE PRESERVE
4719	Acer rubrum Acer rubrum	Red Maple	0C N2	3 - Fair		20% dead wood, Tip die-back	PRESERVE
4721	Acer rubrum	Red Maple		3 - Fair		Trunk Scar	PRESERVE
4722	Acer spp.	Maple Cultivar		5 - Poor		>50% dead wood, Peeling Bark	PRESERVE
4723	Acer spp.	Maple Cultivar		2 - Good		T-10	PRESERVE
4724 4725	Acer spp. Acer spp.	Maple Cultivar Maple Cultivar		3 - Fair 5 - Poor		Trunk Scar 50% dead wood	PRESERVE PRESERVE
4726	Acer spp.	Maple Cultivar		5 - Poor		>50% dead wood	PRESERVE
4727	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4728	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4729 4730	Acer spp. Acer spp.	Maple Cultivar Maple Cultivar		6 - Dead 6 - Dead			PRESERVE PRESERVE
4731	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4732	Acer spp.	Maple Cultivar	14	2 - Good			PRESERVE
4733	Acer spp.	Maple Cultivar		5 - Poor		50% dead wood	PRESERVE
4734 4735	Acer spp.	Maple Cultivar Maple Cultivar		5 - Poor 3 - Fair		>50% dead wood Trunk Scar	PRESERVE PRESERVE
4736	Acer spp. Acer spp.	Maple Cultivar		4 - Fair/Poor		30% dead wood	PRESERVE
4737	Acer spp.	Maple Cultivar		5 - Poor		>50% dead wood, Trunk Scar	PRESERVE
						>50% dead wood, Dead Leader,	
4738	Acer spp.	Maple Cultivar	7	5 - Poor		Trunk Damage	PRESERVE
4739	Acer spp.	Maple Cultivar	11	5 - Poor		50% dead wood, Trunk Scar, Peeling Bark	PRESERVE
						50% dead wood, Trunk Scar,	
4740	Acer spp.	Maple Cultivar		5 - Poor		Peeling Bark	PRESERVE
4741	Acer spp.	Maple Cultivar	11	4 - Fair/Poor		40% dead wood	PRESERVE
4742	Acer spp.	Maple Cultivar	9	5 - Poor		40% dead wood, Cavity, Trunk Scar	PRESERVE
4743 4744	Acer spp.	Maple Cultivar Maple Cultivar		5 - Poor 5 - Poor		>50% dead wood, Wood rot, Cavity >50% dead wood	PRESERVE PRESERVE
4744	Acer spp.	Maple Cultivar	0	5 - P001		50% dead wood 50% dead wood, Dead Leader, Tip	PRESERVE
4745	Acer spp.	Maple Cultivar	7	5 - Poor		die-back	PRESERVE
4746	Acer spp.	Maple Cultivar		5 - Poor		50% dead wood, Dead Leader	PRESERVE
4747	Acer spp.	Maple Cultivar		5 - Poor		>50% dead wood, Dead Leader	PRESERVE
4748 4749	Acer spp. Acer spp.	Maple Cultivar Maple Cultivar	00.0	4 - Fair/Poor 2 - Good		30% dead wood 10% dead wood	PRESERVE PRESERVE
4750	Acer spp.	Maple Cultivar		5 - Poor		50% dead wood	PRESERVE
4751	Acer spp.	Maple Cultivar		5 - Poor		>50% dead wood	PRESERVE
4752	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4753 4754	Acer spp.	Maple Cultivar Maple Cultivar		2 - Good 4 - Fair/Poor		30% dead wood	PRESERVE PRESERVE
4755	Acer spp. Acer spp.	Maple Cultivar		6 - Dead		30% dead wood	PRESERVE
4756	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4757	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4758 4759	Acer spp.	Maple Cultivar Maple Cultivar		5 - Poor 6 - Dead		>50% dead wood	PRESERVE PRESERVE
4760	Acer spp. Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4761	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4762	Acer spp.	Maple Cultivar		5 - Poor		>50% dead wood	PRESERVE
4763 4764	Acer spp.	Maple Cultivar Maple Cultivar		3 - Fair 5 - Poor	Broken Limb	Trunk Scar >50% dead wood	PRESERVE PRESERVE
4765	Acer spp. Acer rubrum	Red Maple		2 - Good		>50% dead wood	PRESERVE
4766	Acer rubrum	Red Maple		2 - Good			PRESERVE
4767	Acer rubrum	Red Maple		2 - Good			PRESERVE
4768 4769	Picea pungens Acer rubrum	Colorado Spruce Red Maple		4 - Fair/Poor 2 - Good	Lean, Poor Form , Crown Lean		PRESERVE PRESERVE
4770	Acer rubrum Acer rubrum	Red Maple		2 - Good			PRESERVE
4771	Acer rubrum	Red Maple		2 - Good			PRESERVE
4772	Acer rubrum	Red Maple		2 - Good			PRESERVE
4773 4774	Acer rubrum Acer rubrum	Red Maple		2 - Good 3 - Fair		10% dood wood Tip die heelt	PRESERVE PRESERVE
4774	Acer rubrum Acer rubrum	Red Maple Red Maple		3 - Fair 2 - Good		10% dead wood, Tip die-back 10% dead wood	PRESERVE
4776	Acer rubrum	Red Maple	9	2 - Good			PRESERVE
4777	Picea omorika	Serbian Spruce		4 - Fair/Poor	Poor Form , Crowded, Broken Leader		PRESERVE
4778 4779	Picea omorika Picea omorika	Serbian Spruce	4,4, 20' Tall 7, 20' Tall		V-shaped joint, Double Leader, Split Risk Crowded		PRESERVE PRESERVE
4779	Picea omorika Picea omorika	Serbian Spruce Serbian Spruce	7,20° Tall 6,20° Tall		Poor Form		PRESERVE
4781	Picea omorika	Serbian Spruce	7, 15' Tall		Poor Form , Crown Lean		PRESERVE
4782	Picea omorika	Serbian Spruce	8, 25' Tall				PRESERVE
4783	Picea omorika	Serbian Spruce	8, 25' Tall				PRESERVE
4784 4785	Picea omorika Acer rubrum	Serbian Spruce Red Maple	6, 25' Tall 7	2 - Good 4 - Fair/Poor		30% dead wood	PRESERVE PRESERVE
-1100	, tool lubiuiii	1.od Maple	ľ	, , ann ou		20% dead wood, Tip die-back,	. ILOLINE
4786	Acer rubrum	Red Maple		4 - Fair/Poor		Trunk Scar	PRESERVE
4787	Acer rubrum	Red Maple		3 - Fair		Tip die-back	PRESERVE
4788 4789	Acer rubrum Acer rubrum	Red Maple Red Maple		5 - Poor 4 - Fair/Poor		>50% dead wood, Dead Leader 40% dead wood	PRESERVE PRESERVE
4789	Acer rubrum Acer rubrum	Red Maple Red Maple		3 - Fair		Tip die-back	PRESERVE
4791	Fraxinus spp.	Ash	15	5 - Poor		50% dead wood, Insect damage	PRESERVE
4792	Picea pungens	Colorado Spruce	7, 30' Tall	2 - Good			PRESERVE
4793	Fraxinus spp.	Ash	15	5 - Poor		30% dead wood, Insect damage, Trunk Scar	PRESERVE
.700	. талина орр.	, 511	13		<u> </u>	40% dead wood, Insect damage,	, , LOLINVL
4794	Fraxinus spp.	Ash		5 - Poor		Trunk Scar	PRESERVE
4795	Fraxinus spp.	Ash	13	4 - Fair/Poor		30% dead wood, Insect damage	PRESERVE
4700	Erovinus	A a la	4.4	5 Door		40% dead wood, Insect damage,	DDECEDIA
4796	Fraxinus spp.	Ash	14	5 - Poor		Trunk Scar 30% dead wood, Insect damage,	PRESERVE
4797	Fraxinus spp.	Ash	14	5 - Poor		Trunk Scar	PRESERVE
						40% dead wood, Insect damage,	
4798	Fraxinus spp.	Ash	11	5 - Poor		Trunk Scar	PRESERVE
4700	Fraxinus spp.	Ash	1.4	5 - Poor		40% dead wood, Insect damage, Trunk Scar	PRESERVE
4799	LIGATIOU ODD.	, will	14	1 . 501	1		



JACOB & HEFNER ASSOCIATES
1333 BUTTERFIELD ROAD
SUITE 300
DOWNERS GROVE, ILLINOIS 60515

1960 W. LUCENT L
NAPERVILLE, ILLINOIS

TREE INVE

PROJECT NO. JH25224 CHECKED SHEET NO.



# Final Landscape Plan

# 1960 W. Lucent - Phase 1

# Naperville, Illinois

June 12, 2025

# CONSULTANTS:



LANDSCAPE ARCHITECT:

GARY R. WEBER ASSOCIATES, INC 402 W. LIBERTY DRIVE WHEATON, ILLINOIS 60187

#### CIVIL ENGINEER:



JACOB & HEFNER

1333 BUTTERFIELD ROAD, SUITE #300

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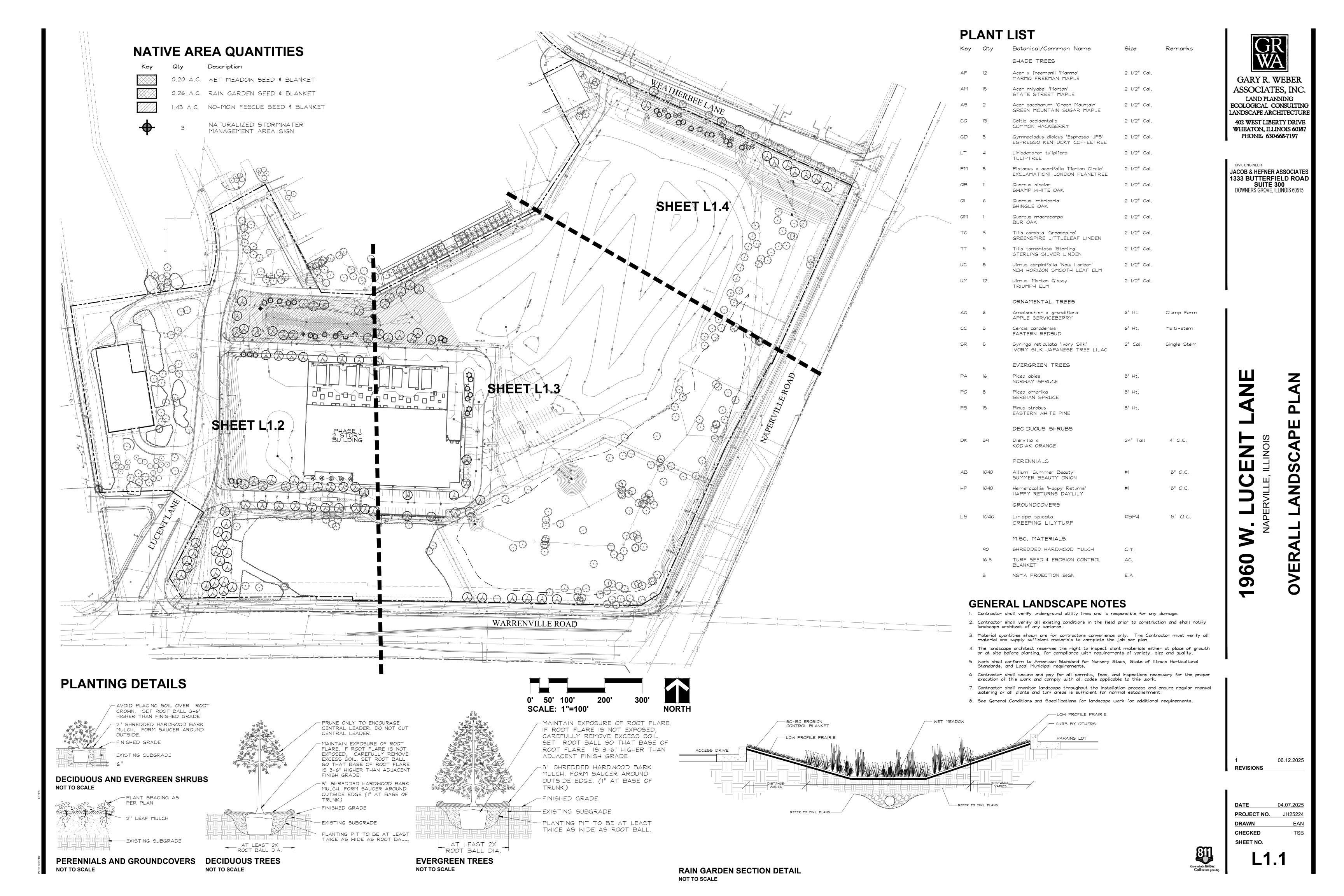


LOCATION MAP

SCALE: 1"=600'

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L1.4	LANDSCAPE PLAN EAST
L1.5	TREE PRESERVATION PLAN WEST
L1.6	TREE PRESERVATION PLAN CENTRAL
L1.7	TREE PRESERVATION PLAN EAST
L1.8	TREE INVENTORY
L1.9	LANDSCAPE SPECIFICATIONS





PROPERTY NOTHINCLUDED IN DEVELOPMENT

NATIVE SEED MIXTUR	ES		Raingarden Seed Mix				
Temporary Cover Crop			Botanical Name	Common Name	lbs / AC		
mesic, and wet mesic soils to,	in all planting areas containing dry mesic, , stabilize soils, and combat weed pressure ablishement of the native seeding area.	<del>)</del>	Grasses  Bouteloua curtipendula  Carex brevior  Carex cristatella  Carex normalis	Side Oats Grama Plains-Oval Sedge Crested Sedge Spreading Oval Sedge	2.000 0.250 0.250 0.250		
Botanical Name	Common Name	lbs / AC	Carex stipata	Common Fox Sedge	0.500		
Cover Crop			Carex vulpinoidea	Brown Fox Sedge Canada Wild Rye	0.500 2.000		
Avena sativa	Seed Oats	40.000	Elymus canadensis Elymus virginicus	Virginia Wild Rye	3.000		
, irona cairra		10.000	Panicum virgatum	Switch Grass	3.000		
Wet Meadow Seed Mixt	ture		Schizachyrium scoparium	Little Bluestem	3.000		
Lower slopes of basin			Sporobolus heterolepis	Prairie Dropseed	2.000		
Botanical Name	Common Name	Ibs / AC		Total Grasses	16.750		
Grasses / Sedges			Wildflowers/Broadleaves				
Carex bebbii	Bebbs Oval Sedge	0.250	Allium cemuum	Nodding Wild Onion	0.250		
Carex bick nellii	Bicknells Sedge	0.125	Asclepias incarnata	Swamp Milkweed	0.125		
Carex brevior	Plains Oval Sedge	0.250	Echinacea pallida	Pale Purple Coneflower	0.500		
Carex cristatella	Crested Oval Sedge	0.060	Echinacea purpurea	Purple Coneflower	0.500		
Carex molesta	Field Oval Sedge	0.250	Helenium autumnale	Sneezeweed	0.125		
Carex normalis	Speading Oval Sedge	0.015	Iris virginica shrevei	Blue Flag Iris	0.500		
Carex scorparia	Pointed Broom Sedge	0.190	Liatris spicata	Marsh Blazing Star	0.250		
Carex stipata	Common Fox Sedge	0.060	Lobelia siphilitica	Great Blue Lobelia	0.031		
Carex vulpinoidea	Brown Fox Sedge	0.250	Monarda fistulosa	Wild Bergamont	0.125		
Elymus virginicus	Virginia Wild Rye	3.000	Solidago rigida	Stiff Goldenrod	0.125		
Glyceria striata	Fowl Manna Grass	0.130	Pycnanthemum virginianum	Common Mountain Mint	0.063		
Juncus dudleyi	Dudleys Rush	0.020	Rudbeckia fulgida	Showy Black-eyed Susan	0.250		
Juncus torreyi	Torreys Rush	0.031	Rudbeckia subtomentosa	Sweet Black-eyed Susan	0.250		
Panicum virgatum	Switch Grass	3.000		·			
Scirpus atrovirens	Dark Green Bulrush	0.060		Total Wildflowers / Broadleaves	3.094		
Scirpus cyperinus	Wool Grass	0.030					
	Total Grasses / Sedges	7.721	No Mow Fescue Seed Mixture - Mixture -7 lbs. / 1,000 sq. ft.				
Wildflowers/Broadleaves	<b>5</b>		Festuca longifolia	Hard Fescue	25%		
Asclepias incamata	Swamp Milkweed	0.125	Festuca rubra var. commutate	Chewing Fescue	25% 25%		
Bidens cernua	Nodding Bur Marigold	0.190	Festuca rubra var. rubra	Creeping Red Fescue	25% 25%		
Boltonia asteroids	False Aster	0.031	Festuca ovina	Sheeps Fescue	25% 25%		
Eupatorium perfoliatum	Common Boneset	0.015	i Gotuca Oviria	Onceps i escue	2570		
Euthamia grammifolia	Grassleaved Goldenrod	0.300					
Helenium autumnale	Sneezeweed	0.063					
Hibiscus laevis	Halberd-leaved Rose Mallow	0.380					
Iris virginica shrevei	Blue Flag Iris	1.000					
Labalia ainbilitiaa	Creat Diva Labelia	0.034					

0.031

0.031

0.031

0.063

0.125

0.250

0.380

0.380

0.500

11.616

Great Blue Lobelia

Common Mountain Mint

Monkey Flower

Obedient Plant

Stiff Goldenrod

Blue Vervain

Total Forbs

New England Aster

Common Ironweed

Golden Alexanders

Total Wet Meadow Seed Mix



GARY R. WEBER ASSOCIATES, INC. LAND PLANNING **ECOLOGICAL CONSULTING** LANDSCAPE ARCHITECTURE 402 WEST LIBERTY DRIVE WHEATON, ILLINOIS 60187 PHONE: 630-668-7197

CIVIL ENGINEER

JACOB & HEFNER ASSOCIATES
1333 BUTTERFIELD ROAD
SUITE 300
DOWNERS GROVE, ILLINOIS 60515

096

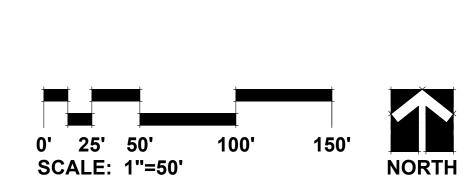
ANDSC,

06.12.2025 **REVISIONS** 

DATE 04.07.2025 PROJECT NO. JH25224 CHECKED

SHEET NO.





Lobelia siphilitica

Mimulus ringens

Solidago rigida

Physostegia virginiana

Vernonia fasciculata

Verbena hastata

Zizia aurea

Pycnanthemum virginianum

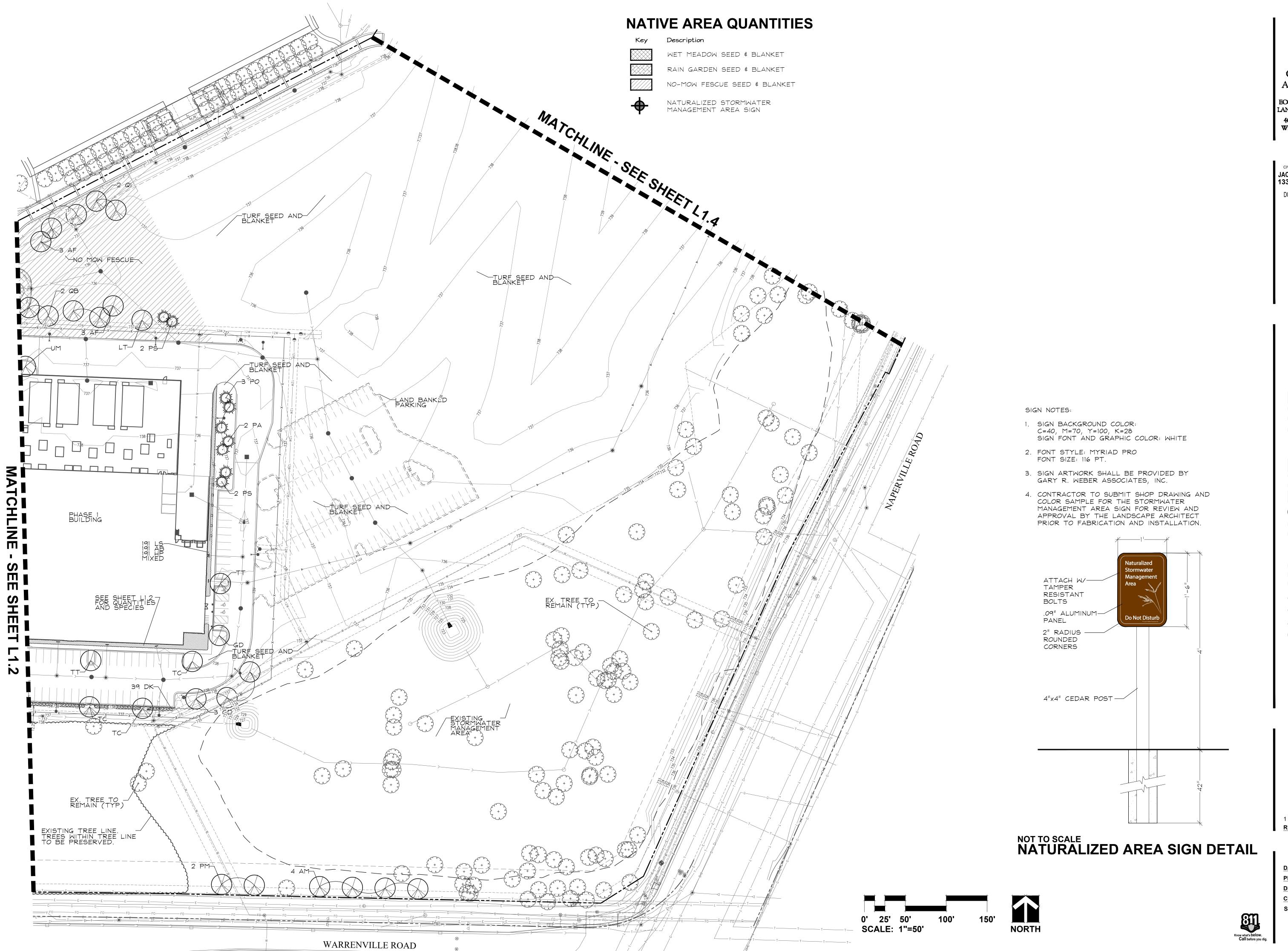
Symphyotrichium novae-angliae

PHASE 1 BUILDING

EX. TREE TO — REMAIN (TYP)

EXISTING TREE LINE. TREES WITHIN TREE LINE TO BE PRESERVED.

WARRENVILLE ROAD



CIVIL ENGINEER

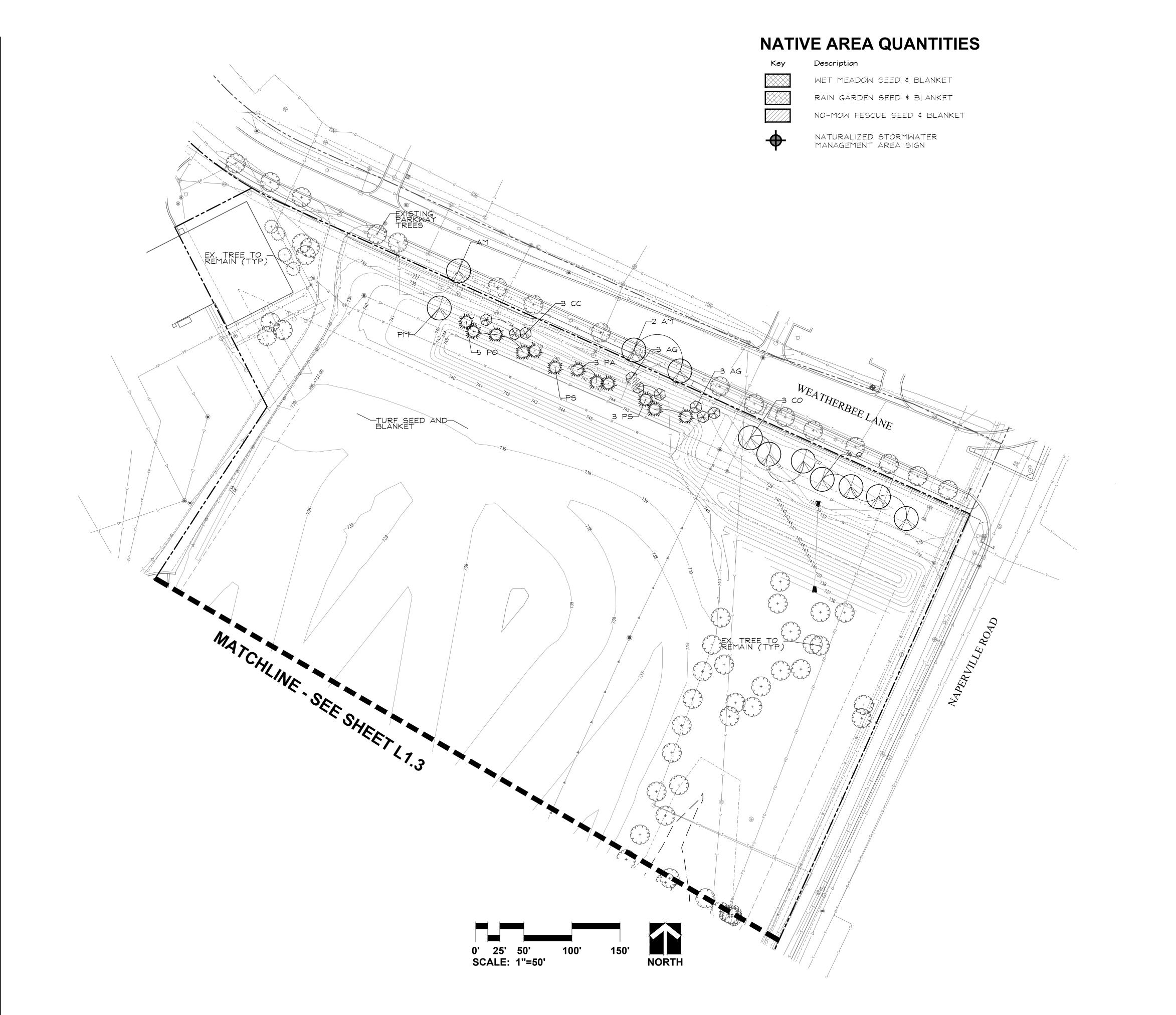
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1333 BUTTERFIELD ROAD
SUITE 300
DOWNERS GROVE, ILLINOIS 60515

NAPERVILLE, 960

ANDSC,

06.12.2025 REVISIONS

DATE 04.07.2025 PROJECT NO. SHEET NO.





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1333 BUTTERFIELD ROAD
SUITE 300
DOWNERS GROVE, ILLINOIS 60515

LANDSCAPE

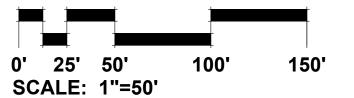
W. LUCENT
NAPERVILLE, ILLINOIS

1960

06.12.2025

DATE 04.07.2025 PROJECT NO. JH25224 CHECKED SHEET NO.



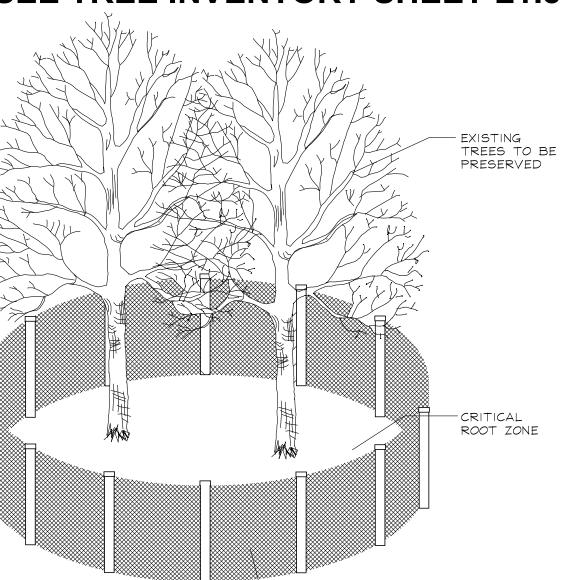


# NORTH

## TREE PRESERVATION NOTES

- 1. Property line shall be located and staked by a professional land surveyor prior to tree removal.
- Tree locations are shown utilizing a Trimble Catalyst GPS
  which does not constitute a professionally licensed survey. If
  survey-grade location and elevation of tagged trees is
  desired, a professional surveyor should be engaged.
- 3. 48" high snow fence or wood barriers shall extend to the dripline of the tree or tree mass whenever possible, shall be installed before construction begins, and should not be removed until the completion of construction.
- 4. Contractor shall take extreme care to protect the root system of existing trees. Should root pruning be necessary it shall not exceed 25% of the tree's root system and shall be done in accordance with recognized horticulture practices under the supervision of a professional arborists, Landscape Architect or Horticulturist.
- 5. All accidental damage to existing trees that are to be preserved shall be promptly treated as required in accordance with recognized horticultural practices and the instructions of the professional Arborist, Landscape Architect or Horticulturist.
- 6. Broken or badly bruised branches shall be removed with a clean cut. If recommended by the professional Arborist, Landscape Architect or Horticulturist.
- 7. Care shall be exercised by the contractors to protect all overhead limbs and branches from damage by contact with material, machinery or equipment and by damage from engine exhaust.
- 8. Contractors shall protect trees and vegetation against spills or discharge of fuels, lubricating oils, hydraulic fluids, anti-freeze and coolants, calcium chloride, lime and all other similar hydrocarbons, organic chemicals, and other materials which can be harmful.
- 9. When underground utilities are proposed within 5' of a preserved tree trunk, they must be augered if possible.

## **SEE TREE INVENTORY SHEET L1.8**



FENCE / PHYSICAL BARRIER AT DRIPLINE

# TREE PRESERVATION DETAIL

(NOT TO SCALE)
SEE NOTES

## **LEGEND**





1 06.12.2025 **REVISIONS** 

960

TREE

GARY R. WEBER

ASSOCIATES, INC.

LAND PLANNING

ECOLOGICAL CONSULTING

LANDSCAPE ARCHITECTURE

402 WEST LIBERTY DRIVE

WHEATON, ILLINOIS 60187

PHONE: 630-668-7197

**JACOB & HEFNER ASSOCIATES** 

1333 BUTTERFIELD ROAD

SUITE 300 DOWNERS GROVE, ILLINOIS 60515

CIVIL ENGINEER

 DATE
 04.07.2025

 PROJECT NO.
 JH25224

 DRAWN
 EAN

 CHECKED
 TSB

SHEET NO.





JACOB & HEFNER ASSOCIATES
1333 BUTTERFIELD ROAD
SUITE 300
DOWNERS GROVE, ILLINOIS 60515

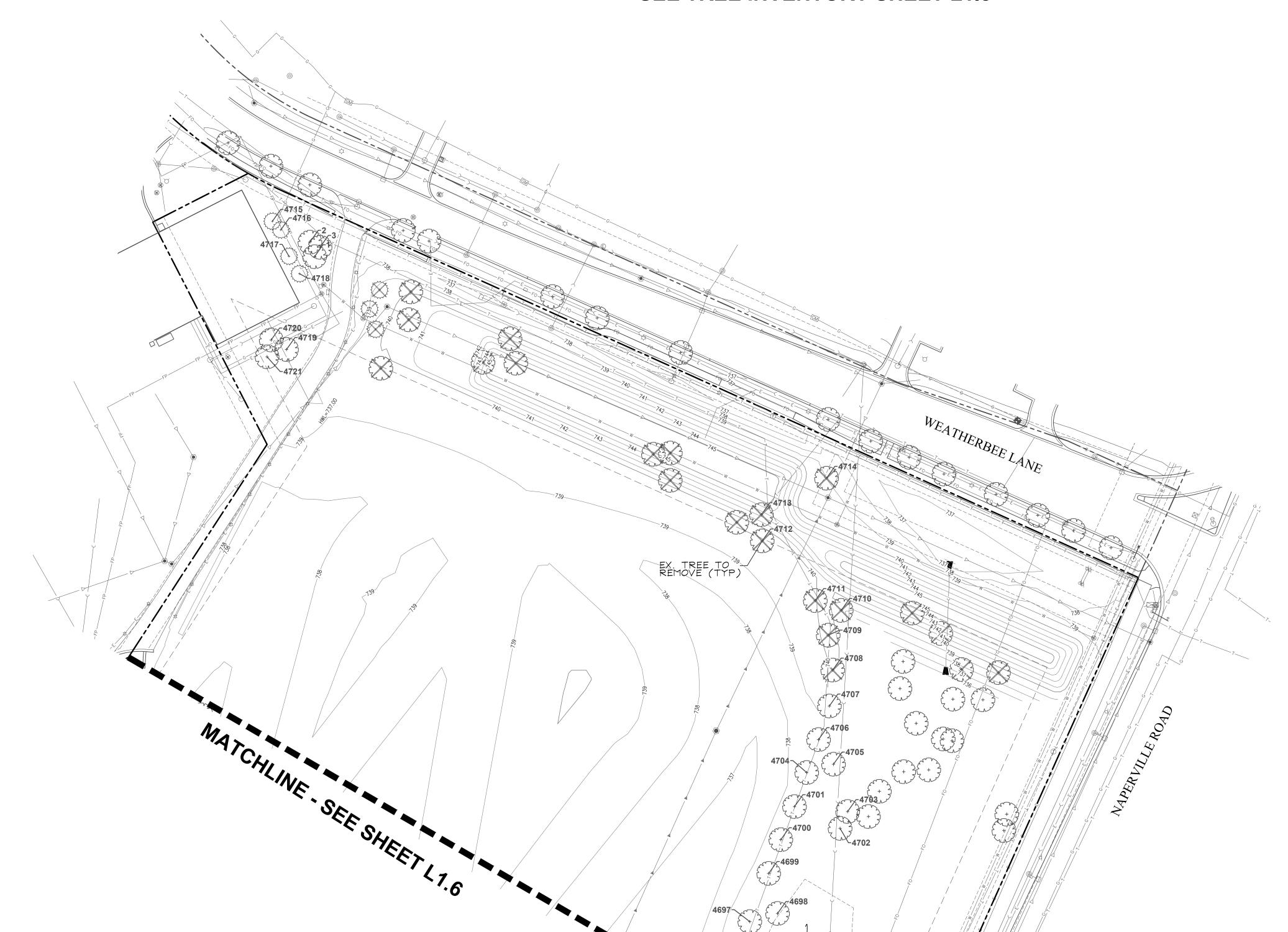
1960

CENTRAL

06.12.2025

04.07.2025 PROJECT NO. JH25224 SHEET NO.

## SEE TREE INVENTORY SHEET L1.8



NORTH

0' 25' 50' SCALE: 1"=50'



ASSOCIATES, INC.

LAND PLANNING

ECOLOGICAL CONSULTING

LANDSCAPE ARCHITECTURE 402 WEST LIBERTY DRIVE WHEATON, ILLINOIS 60187 PHONE: 630-668-7197

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SUITE 300
DOWNERS GROVE, ILLINOIS 60515

W. LUCENT
NAPERVILLE, ILLINOIS TREE PRESERVATION

1960

06.12.2025

04.07.2025 PROJECT NO. JH25224 CHECKED SHEET NO.



<b>RATING A</b>	ND SURVEY CRITERIA									
	1) Trees measured at 4.5	ft above the ground	- DBH (diameter E	Breast Height)						
	2) All trees 4" DBH and a	above tagged. Dead ti	rees were tagged f	for removal. Inva	sive shrubs were not t	tagged.				
	3) Health Rating:									
	Rating	Description	Criteria							
	1	Excellent	Less than 10% de	ad wood, typical	growth for species, no	observed defects				
	2	Good	Less than 20% de	ad wood, minor o	defects, sound structur	re, no decay				
	3	Fair				trunk damage or cavities				
	4	Fair to Poor				or disease evidence, tru				
	5	Poor				y evident, structural dam	-			
	6	Dead	Less than 10% livi	ing wood, greater	r than 50% missing ba	rk, adventitious growth o	nly, decay			

TAG NO.	SCIENTIFIC NAME	COMMON NAME	DBH (inches)	CONDITION	STRUCTURE	HEALTH	PROPOSED ACTION
1	Picea pungens	Colorado Spruce	2, 6' Tall				PRESERVE
2	Picea pungens Picea pungens	Colorado Spruce Colorado Spruce	2, 8' Tall 2, 6' Tall				PRESERVE PRESERVE
4627	Quercus macrocarpa	Bur Oak		3 - Fair		10% dead wood, Fungus-Root	PRESERVE
4628	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4629	Acer saccharum	Sugar Maple	14	2 - Good		10% dead wood	PRESERVE
4630	Acer saccharum	Sugar Maple	1.4	4 - Fair/Poor		Dead Leader, Wood rot, Trunk Scar	DDESEDVE
4631	Acer saccharum	Sugar Maple Sugar Maple		2 - Good			REMOVE
4632	Acer saccharum	Sugar Maple		3 - Fair			REMOVE
4633	Acer saccharum	Sugar Maple		2 - Good			REMOVE
					V-shaped joint, Multi Leader, Split Risk, Lean,		
4634 4635	Morus alba Pinus nigra	White Mulberry Austrian Pine		4 - Fair/Poor 4 - Fair/Poor	Crowded	30% dead wood, Sparse foliage	REMOVE REMOVE
4636	Pinus nigra Pinus nigra	Austrian Pine Austrian Pine		6 - Dead	Crowded		REMOVE
4637	Acer platanoides	Norway Maple		3 - Fair	Lean, Crown Lean, Crowded		REMOVE
4638	Acer saccharum	Sugar Maple		3 - Fair	Unbalanced, Crown Lean		REMOVE
4639	Acer saccharum	Sugar Maple		3 - Fair	Crown Lean	10% dead wood	REMOVE
4640 4641	Acer saccharum Gleditsia triacanthos	Sugar Maple Honey Locust		3 - Fair 3 - Fair	Crown Lean, Crowded Unbalanced, Crowded, Broken Limb	20% dead wood	REMOVE PRESERVE
4642	Gleditsia triacanthos	Honey Locust		3 - Fair	Unbalanced, Crown Lean	30% dead wood	PRESERVE
4643	Gleditsia triacanthos	Honey Locust		6 - Dead			PRESERVE
4644	Gleditsia triacanthos	Honey Locust		3 - Fair	Crown Lean	30% dead wood	PRESERVE
4645	Gleditsia triacanthos	Honey Locust		3 - Fair	Unbalanced, Crown Lean	20% dead wood	REMOVE
4646 4647	Gleditsia triacanthos Acer saccharum	Honey Locust Sugar Maple		3 - Fair 3 - Fair	Crown Lean, Broken Limb Crown Lean, Crowded	20% dead wood	REMOVE PRESERVE
4648	Gleditsia triacanthos	Honey Locust		3 - Fair 3 - Fair	Unbalanced, Crown Lean, Broken Limb	20% dead wood	REMOVE
4649	Acer saccharum	Sugar Maple		2 - Good	., 232, 3191.01. 211119		REMOVE
4650	Acer saccharum	Sugar Maple	17	2 - Good			REMOVE
4651	Fraxinus spp.	Ash		6 - Dead	Declaration!		REMOVE
4652 4653	Acer saccharum Morus alba	Sugar Maple White Mulberry		2 - Good 3 - Fair	Broken Limb Crown Lean, Crowded	10% dead wood	REMOVE REMOVE
4654	Morus alba	White Mulberry		3 - Fair 3 - Fair	Lean, Crown Lean, Crowded		REMOVE
4655	Acer saccharum	Sugar Maple		3 - Fair	Crown Lean	10% dead wood, Dead Limbs	REMOVE
4656	Acer saccharum	Sugar Maple	15	2 - Good			REMOVE
4657	Juglans nigra	Black Walnut		2 - Good			REMOVE
4658	Quercus rub ra	Red Oak		2 - Good			REMOVE
4659 4660	- Acer saccharum	Unknown Sugar Maple		6 - Dead 4 - Fair/Poor		50% dead wood	PRESERVE REMOVE
4661	Acer saccharum	Sugar Maple		2 - Good			REMOVE
4662	Acer saccharum	Sugar Maple		2 - Good			REMOVE
						30% dead wood, Dead Limbs,	
4663	Acer saccharum	Sugar Maple		4 - Fair/Poor	Crown Lean	Cavity	PRESERVE
4664 4665	Juglans nigra Tilia cordata	Black Walnut Littleleaf Linden		3 - Fair 2 - Good	Crown Lean, Crowded		PRESERVE REMOVE
4666	Tilia cordata	Littleleaf Linden		2 - Good 2 - Good			REMOVE
4667	Tilia cordata	Littleleaf Linden		2 - Good			REMOVE
4668	Tilia cordata	Littleleaf Linden		4 - Fair/Poor	Broken Limb	Cavity	REMOVE
4669	Tilia cordata	Littleleaf Linden		2 - Good			REMOVE
4670	Tilia cordata	Littleleaf Linden		2 - Good			REMOVE
4671 4672	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden		2 - Good 2 - Good			PRESERVE REMOVE
4673	Tilia cordata	Littleleaf Linden		2 - Good			PRESERVE
4674	Tilia cordata	Littleleaf Linden		2 - Good			REMOVE
4675	Tilia cordata	Littleleaf Linden		4 - Fair/Poor		Cavity, Trunk Scar	REMOVE
4676	Tilia cordata	Littleleaf Linden		3 - Fair		Trunk Scar	REMOVE
4677 4678	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden		2 - Good 2 - Good			REMOVE REMOVE
4678	Tilia cordata	Littleleaf Linden		2 - Good 2 - Good			REMOVE
4680	Tilia cordata	Littleleaf Linden		3 - Fair			PRESERVE
4681	Tilia cordata	Littleleaf Linden	15	2 - Good			REMOVE
4682	Tilia cordata	Littleleaf Linden		2 - Good			REMOVE
4683 4684	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden		2 - Good 2 - Good			PRESERVE PRESERVE
4685	Tilia cordata	Littleleaf Linden		2 - Good 2 - Good			REMOVE
4686	Acer saccharum	Sugar Maple		3 - Fair			REMOVE
4687	Acer saccharum	Sugar Maple	10	3 - Fair		Trunk Scar	REMOVE
4688	Acer saccharum	Sugar Maple		2 - Good			REMOVE
4689 4690	Acer saccharum  Acer saccharum	Sugar Maple Sugar Maple		3 - Fair 4 - Fair/Poor		Trunk Damage 30% dead wood, Tip die-back	REMOVE PRESERVE
4690	Acer saccharum  Acer saccharum	Sugar Maple Sugar Maple		2 - Good		oo /o dead wood, Tip die-back	PRESERVE
4692	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4693	Acer saccharum	Sugar Maple	12	2 - Good			PRESERVE
4694	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4695	Acer saccharum	Sugar Maple		2 - Good 4 - Fair/Poor	Broken Leador	30% dead wood Trunk San-	PRESERVE
4696 4697	Acer saccharum  Acer saccharum	Sugar Maple Sugar Maple		2 - Good	Broken Leader	30% dead wood, Trunk Scar	PRESERVE PRESERVE
4698	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4699	Acer saccharum	Sugar Maple	14	2 - Good			PRESERVE
4700	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4701	Acer saccharum	Sugar Maple		2 - Good	Crown Loop		PRESERVE
4702 4703	Acer saccharinum Acer saccharinum	Silver Maple Silver Maple		2 - Good 4 - Fair/Poor	Crown Lean Crown Lean, Crowded, Broken Limb	10% dead wood, Cavity	PRESERVE
4703	Acer saccharinum  Acer saccharin	Silver Maple Sugar Maple		4 - Fair/Poor 2 - Good	Crown Lean, Crowded, Droken Limb	1070 dead wood, Cavity	PRESERVE PRESERVE
4704	Acer saccharum	Sugar Maple		2 - Good 2 - Good			PRESERVE
4706	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4707	Acer saccharum	Sugar Maple		2 - Good			PRESERVE
4708	Acer saccharum	Sugar Maple		2 - Good			REMOVE
1		Sugar Manla	14	2 - Good		İ	REMOVE
4709 4710	Acer saccharum	Sugar Maple					
4709 4710 4711	Acer saccharum Acer saccharum Acer saccharum	Sugar Maple Sugar Maple Sugar Maple	13	2 - Good 6 - Dead			REMOVE REMOVE

TAG NO.	SCIENTIFIC NAME	COMMON NAME	DBH (inches)	CONDITION	STRUCTURE	HEALTH	PROPOSED ACTION
4713	Acer saccharum	Sugar Maple		2 - Good	Crown Lean	Cavity Tin dia hask	REMOVE
4714 4715	Acer rubrum Picea omorika	Red Maple Serbian Spruce	18 8, 30' Tall	4 - Fair/Poor 2 - Good	Crown Lean	Cavity, Tip die-back	REMOVE PRESERVE
4716	Picea omorika	Serbian Spruce	8, 30' Tall		Poor Form		PRESERVE
4717	Picea omorika	Serbian Spruce	8, 25' Tall		Poor Form		PRESERVE
4718 4719	Picea omorika Acer rubrum	Serbian Spruce Red Maple	7, 20' Tall	3 - Fair 3 - Fair	Poor Form , Crowded	Trunk Scar	PRESERVE PRESERVE
4719	Acer rubrum Acer rubrum	Red Maple	0C N2	3 - Fair		20% dead wood, Tip die-back	PRESERVE
4721	Acer rubrum	Red Maple		3 - Fair		Trunk Scar	PRESERVE
4722	Acer spp.	Maple Cultivar		5 - Poor		>50% dead wood, Peeling Bark	PRESERVE
4723	Acer spp.	Maple Cultivar		2 - Good		T-10	PRESERVE
4724 4725	Acer spp. Acer spp.	Maple Cultivar Maple Cultivar		3 - Fair 5 - Poor		Trunk Scar 50% dead wood	PRESERVE PRESERVE
4726	Acer spp.	Maple Cultivar		5 - Poor		>50% dead wood	PRESERVE
4727	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4728	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4729 4730	Acer spp. Acer spp.	Maple Cultivar Maple Cultivar		6 - Dead 6 - Dead			PRESERVE PRESERVE
4731	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4732	Acer spp.	Maple Cultivar	14	2 - Good			PRESERVE
4733	Acer spp.	Maple Cultivar		5 - Poor		50% dead wood	PRESERVE
4734 4735	Acer spp.	Maple Cultivar Maple Cultivar		5 - Poor 3 - Fair		>50% dead wood Trunk Scar	PRESERVE PRESERVE
4736	Acer spp. Acer spp.	Maple Cultivar		4 - Fair/Poor		30% dead wood	PRESERVE
4737	Acer spp.	Maple Cultivar		5 - Poor		>50% dead wood, Trunk Scar	PRESERVE
						>50% dead wood, Dead Leader,	
4738	Acer spp.	Maple Cultivar	7	5 - Poor		Trunk Damage	PRESERVE
4739	Acer spp.	Maple Cultivar	11	5 - Poor		50% dead wood, Trunk Scar, Peeling Bark	PRESERVE
						50% dead wood, Trunk Scar,	
4740	Acer spp.	Maple Cultivar		5 - Poor		Peeling Bark	PRESERVE
4741	Acer spp.	Maple Cultivar	11	4 - Fair/Poor		40% dead wood	PRESERVE
4742	Acer spp.	Maple Cultivar	9	5 - Poor		40% dead wood, Cavity, Trunk Scar	PRESERVE
4743 4744	Acer spp.	Maple Cultivar Maple Cultivar		5 - Poor 5 - Poor		>50% dead wood, Wood rot, Cavity >50% dead wood	PRESERVE PRESERVE
4744	Acer spp.	Maple Cultivar	0	5 - P001		50% dead wood 50% dead wood, Dead Leader, Tip	PRESERVE
4745	Acer spp.	Maple Cultivar	7	5 - Poor		die-back	PRESERVE
4746	Acer spp.	Maple Cultivar		5 - Poor		50% dead wood, Dead Leader	PRESERVE
4747	Acer spp.	Maple Cultivar		5 - Poor		>50% dead wood, Dead Leader	PRESERVE
4748 4749	Acer spp. Acer spp.	Maple Cultivar Maple Cultivar	00.0	4 - Fair/Poor 2 - Good		30% dead wood 10% dead wood	PRESERVE PRESERVE
4750	Acer spp.	Maple Cultivar		5 - Poor		50% dead wood	PRESERVE
4751	Acer spp.	Maple Cultivar		5 - Poor		>50% dead wood	PRESERVE
4752	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4753 4754	Acer spp.	Maple Cultivar Maple Cultivar		2 - Good 4 - Fair/Poor		30% dead wood	PRESERVE PRESERVE
4755	Acer spp. Acer spp.	Maple Cultivar		6 - Dead		30% dead wood	PRESERVE
4756	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4757	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4758 4759	Acer spp.	Maple Cultivar Maple Cultivar		5 - Poor 6 - Dead		>50% dead wood	PRESERVE PRESERVE
4760	Acer spp. Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4761	Acer spp.	Maple Cultivar		2 - Good			PRESERVE
4762	Acer spp.	Maple Cultivar		5 - Poor		>50% dead wood	PRESERVE
4763 4764	Acer spp.	Maple Cultivar Maple Cultivar		3 - Fair 5 - Poor	Broken Limb	Trunk Scar >50% dead wood	PRESERVE PRESERVE
4765	Acer spp. Acer rubrum	Red Maple		2 - Good		>50% dead wood	PRESERVE
4766	Acer rubrum	Red Maple		2 - Good			PRESERVE
4767	Acer rubrum	Red Maple		2 - Good			PRESERVE
4768 4769	Picea pungens Acer rubrum	Colorado Spruce Red Maple		4 - Fair/Poor 2 - Good	Lean, Poor Form , Crown Lean		PRESERVE PRESERVE
4770	Acer rubrum Acer rubrum	Red Maple		2 - Good			PRESERVE
4771	Acer rubrum	Red Maple		2 - Good			PRESERVE
4772	Acer rubrum	Red Maple		2 - Good			PRESERVE
4773 4774	Acer rubrum Acer rubrum	Red Maple		2 - Good 3 - Fair		10% dood wood. Tip die heelt	PRESERVE PRESERVE
4774	Acer rubrum Acer rubrum	Red Maple Red Maple		3 - Fair 2 - Good		10% dead wood, Tip die-back 10% dead wood	PRESERVE
4776	Acer rubrum	Red Maple	9	2 - Good			PRESERVE
4777	Picea omorika	Serbian Spruce		4 - Fair/Poor	Poor Form , Crowded, Broken Leader		PRESERVE
4778 4779	Picea omorika Picea omorika	Serbian Spruce	4,4, 20' Tall 7, 20' Tall		V-shaped joint, Double Leader, Split Risk Crowded		PRESERVE PRESERVE
4779	Picea omorika Picea omorika	Serbian Spruce Serbian Spruce	7,20° Tall 6,20° Tall		Poor Form		PRESERVE
4781	Picea omorika	Serbian Spruce	7, 15' Tall		Poor Form , Crown Lean		PRESERVE
4782	Picea omorika	Serbian Spruce	8, 25' Tall				PRESERVE
4783	Picea omorika	Serbian Spruce	8, 25' Tall				PRESERVE
4784 4785	Picea omorika Acer rubrum	Serbian Spruce Red Maple	6, 25' Tall 7	2 - Good 4 - Fair/Poor		30% dead wood	PRESERVE PRESERVE
-1100	, tool lubiuiii	1.od Maple	ľ	, , ann ou		20% dead wood, Tip die-back,	. ILOLINE
4786	Acer rubrum	Red Maple		4 - Fair/Poor		Trunk Scar	PRESERVE
4787	Acer rubrum	Red Maple		3 - Fair		Tip die-back	PRESERVE
4788 4789	Acer rubrum Acer rubrum	Red Maple Red Maple		5 - Poor 4 - Fair/Poor		>50% dead wood, Dead Leader 40% dead wood	PRESERVE PRESERVE
4789	Acer rubrum Acer rubrum	Red Maple Red Maple		3 - Fair		Tip die-back	PRESERVE
4791	Fraxinus spp.	Ash	15	5 - Poor		50% dead wood, Insect damage	PRESERVE
4792	Picea pungens	Colorado Spruce	7, 30' Tall	2 - Good			PRESERVE
4793	Fraxinus spp.	Ash	15	5 - Poor		30% dead wood, Insect damage, Trunk Scar	PRESERVE
.700	. талина орр.	, 511	13		<u> </u>	40% dead wood, Insect damage,	, , LOLINVL
4794	Fraxinus spp.	Ash		5 - Poor		Trunk Scar	PRESERVE
4795	Fraxinus spp.	Ash	13	4 - Fair/Poor		30% dead wood, Insect damage	PRESERVE
4700	Erovinus	A a la	4.4	5 Door		40% dead wood, Insect damage,	DDECEDIA
4796	Fraxinus spp.	Ash	14	5 - Poor		Trunk Scar 30% dead wood, Insect damage,	PRESERVE
4797	Fraxinus spp.	Ash	14	5 - Poor		Trunk Scar	PRESERVE
						40% dead wood, Insect damage,	
4798	Fraxinus spp.	Ash	11	5 - Poor		Trunk Scar	PRESERVE
4700	Fraxinus spp.	Ash	1.4	5 - Poor		40% dead wood, Insect damage, Trunk Scar	PRESERVE
4799	LIGATIOU ODD.	, will	14	1 . 501	1		



JACOB & HEFNER ASSOCIATES
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SUITE 300
DOWNERS GROVE, ILLINOIS 60515

1960 W. LUCENT L
NAPERVILLE, ILLINOIS

TREE INVE

PROJECT NO. JH25224 CHECKED SHEET NO.



I.I DESCRIPTION OF WORK

The work shall consist of furnishing, transporting and installing all seeds, plants and other materials required for:

 The establishment of trees, shrubs, perennial, annual and lawn areas as shown on Landscape Plan;

on Lanascape Flan;
2. The provision of post-planting management as specified herein;
3. Any remedial operations necessary in conformance with the plans as specified

in this document;

1. The decian furnishing and installation of a complete underground appintion.

4. The design, furnishing and installation of a complete underground sprinkler system; and

5. Permits which may be required.

#### 1.2 QUALITY ASSURANCE

A. Work shall conform to State of Illinois Horticultural Standards and local municipal requirements.

#### B. Quality Control Procedures:

- 1. Ship landscape materials with certificates of inspection as required by governmental authorities. Comply with governing regulations applicable to landscape materials.
- 2. Do not make substitutions. If specified landscape material is not obtainable, submit to Landscape Architect proof of non-availability and proposal for use of equivalent material.
- 3. Analysis and Standards: Package standard products with manufacturers certified analysis.

#### C. Insect Control

1. For areas containing standing water less than 3-ft that persist for greater than 7 days, mosquito control may be necessary. Mosquito control should be limited to larvicides applications such as Natular or Vectolex FG, per the EPA and CDC guidance. Larvicide application should be provided by a qualified professional. Contract the North Shore Mosauito Abatement District for service.

#### 1.3 SUBMITTALS

#### A. Planting Schedule

Submit three (3) copies of the proposed planting schedule showing dates for each type of planting

B. Maintenance Instruction - Landscape Work

Submit two (2) copies of typewritten instructions recommending procedures to be established by the Owner for the maintenance of landscape work for one full year. Submit prior to expiration of required maintenance periods.

Instructions shall include: watering, fertilizing, spraying, mulching and pruning for plant material and trimming groundcover. Instructions for watering, fertilizing and mowing grass areas shall be provided ten (10) days prior to request for inspection for final acceptance. Landscape Architect shall receive copies of all instructions when issued.

- C. Submit two (2) copies of soil test of existing topsoil with recommendations for soil additive requirement to Landscape Architect for review and written approval.
- D. Submit two (2) samples of shredded hardwood bark mulch, erosion control blankets, and all other products and materials as specified on plans to Landscape Architect for review and written approval.
- E. Nursery packing lists indicating the species and quantities of material installed must be provided to the Owner and/or City upon request.

#### .4 JOB CONDITIONS

- A. Examine and evaluate grades, soils and water levels. Observe the conditions under which work is to be performed and notify Landscape Architect of unsatisfactory conditions. Do not proceed with the work until unsatisfactory conditions have been corrected in an acceptable manner.
- B. Utilities: Review underground utility location maps and plans; notify local utility location service; demonstrate an awareness of utility locations; and certify acceptance of liability for the protection of utilities during course of work. Contractor shall be responsible for any damage to utilities or property.
- C. Excavation: When conditions detrimental to plant growth are encountered such as rubble fill, adverse drainage conditions or obstructions, notify Landscape Architect before planting.

#### 1.5 GUARANTEES

- A. Guarantee seeded and sodded areas through the specified maintenance period and until final inspection.
- B. Guarantee trees, shrubs, groundcover and perennials for a period of one year after date of acceptance against defects including death and unsatisfactory growth, except for defects resulting from neglect by Owner, abuse or damage by others or unusual phenomena or incidents which are beyond Landscape Installer's control.
- C. Native Planting Area Performance Criteria

1<sup>st</sup> Full Growing Season: 90% of cover crop shall be established. There shall be no bare areas greater than two (2) square feet in seeded areas. At least 25% of vegetation coverage shall be native, non-invasive species. At least 50% of the emergent species, if planted as plugs shall be alive and apparent.

2<sup>nd</sup> Full Growing Season: All areas with the exception of emergent zones shall exhibit full vegetative cover. At least 50% of the vegetation coverage shall be native, non-invasive species.

3rd Full Growing Season: At least 75% of vegetation coverage shall be native, non-invasive species. Non-native species shall constitute no more than 25% relative aerial coverage of the planted area. Invasive species for this project shall include the following: Ambrosia artemisiifolia \$\psi\$ trifida (Common \$\psi\$ Giant Ragweed), Cirsium arvense (Canada Thistle), Dipsacus laciniatus (Cut-leaved Teasel), Dipsacus sylvestris (Common Teasel), Lythrum salicaria (Purple Loosestrife), Melilotus sp. (Sweet Clover), Phalaris arundinacea (Reed Canary Grass), Phragmites australis (Giant Reed), Fallopia japonica (Japanese Knotweed), Rhamnus cathartica \$\psi\$ frangula (Common \$\psi\$ Glossy Buckthorn), Typha sp. (Broadleaf, Narrowleaf, and Hybrid Cattail).

#### LANDSCAPE WORK PART 2 - PLANT MATERIALS

#### 2.1 LAWN SOD

Provide strongly rooted sod, not less than two (2) years old and free of weeds and undesirable native grasses. Provide only sod capable of growth and development when planted (viable, not dormant) and in strips not more than 18" wide x 4' long. Provide sod composed of a 5-way blend of Kentucky Bluegrass such as: Midnight, Allure, Viva, Washington, Liberty.

#### 2.2 LAWN SEED MIXTURE

Grass Seed: Provide fresh, clean, new crop seed complying with the tolerance for purity and germination established by the Official Seed Analysts of North America. Provide seed of the grass species, proportions and maximum percentage of weed seed, as specified.

- A. Lawn Seed Mixture 5 lbs. / 1,000 sq. ft.
- 50% Kentucky Bluegrass (98/85) 15% Cutter Perennial Ryegrass
- 10% Spartan Hard Fescue
- 10% Edge Perennial Ryegrass
- 10% Express Perennial Ryegrass5% Pennlawn Creeping Red Fescue

- B. Temporary Lawn Seed Mixture 5 lbs. / 1,000 sq. ft. 40% Kentucky Bluegrass (98/85)
  - 40% Perennial Ryegrass
    20% Annual Ryearass
  - 20% / William Tryogi G33
- C. Highlands Fescue Seed Mixture Mixture-7 lbs. / 1,000 sq. ft.
- 25% Discovery Hard Fescue 25% Tiffany Chewings Fescue
- 25% Florentine Creeping Red Fescue
- 25% Bighorn Sheeps Fescue
- D. Detention Seed Mixture 7 lbs. / 1000 sq, ft. 70% Kentucky 31 Tall Fescue 30% Perennial Ryegrass

#### 2.3 NATIVE PLANTING MIXTURES

Provide fresh, clean, new crop of the species and proportions as specified. Native seed and live plant material shall be obtained from a reputable supplier (approved by Landscape Architect) that has collected from sources east of the Mississippi River within the same EPA Level III Ecoregion as the project site (Central Corn Belt Plains). Any material sourced from outside this ecoregion must be approved by the Landscape Architect prior to installation.

For each species, the amount of seed indicated on the specifications shall mean the total amount of pure live seed (PLS) per acre. Seed tags and PLS testing information shall be provided to the Landscape Architect prior to seeding.

It is the sole responsibility of the Native Landscape Contractor to provide approved seed that meets industry-standard PLS requirements.

#### 2.4 GROUNDCOVERS, PERENNIALS AND ANNUALS

Provide plants established and well-rooted in removable containers or integral peat pots and with not less than the minimum number and length of runners required by ANSI Z60.1 for the pot size shown or listed.

#### 2.5 TREES AND SHRUBS

- A. Name and Variety: Provide nursery grown plant material true to name and variety.
- B. Quality: Provide trees, shrubs and other plants complying with the recommendations and requirements of ANSI Z60.1 "Standard for Nursery Stock" and as further specified.
- C. Deciduous Trees: Provide trees of height and caliper listed or shown and with branching configuration recommended by ANSI Z60.1 for type and species required. Provide single stem trees except where special forms are shown or listed. Provide balled and burlapped (B&B) deciduous trees.
- D. Deciduous Shrubs: Provide shrubs of the height shown or listed and with not less than the minimum number of canes required by ANSI Z60.1 for the type and height of shrub required. Provide balled and burlapped (B\$B) deciduous shrubs.
- E. Coniferous Evergreen: Provide evergreens of the sizes shown or listed.

  Dimensions indicate minimum spread for spreading and semi-spreading type evergreens and height for other types. Provide quality evergreens with well-balanced form complying with requirements for other size relationships to the primary dimension shown. Provide balled and burlapped (B\$B) evergreen trees and containerized shrubs.
- F. Inspection: All plants shall be subject to inspection and review at the place of growth or upon delivery and conformity to specification requirements as to quality, right of inspection and rejection upon delivery at the site or during the progress of the work for size and condition of balls or roots, diseases, insects and latent defects or injuries. Rejected plants shall be removed immediately from the site.

#### 2.6 PLANTING SOIL MIXTURE

Provide planting soil mixture consisting of clean uncompacted topsoil (stockpiled at site) for all planting pits, perennial, annual and groundcover areas. Topsoil shall be conditioned based on any recommendations resulting from the soil test in 1.3.C.

#### 2.7 EROSION CONTROL

- A. Lawn Seed Areas Erosion Control Blanket: North American Green DS75, or equivalent approved equal.
- approved equal.

  C. Shoreline and Sloped Berm Areas Erosion Control Blanket: North American Green

B. Native Areas Erosion Control Blanket: North American Green S150, or equivalent

recommendations.

D. Refer to latest Engineering \$ Erosion Control Plans for any areas to receive

SC150, or equivalent approved equal. To be installed per manufacturer's

permanent or long-term blanket installation.

E. Hydroseed Mulch: Conweb 2000 wood fiber mulch with tackifier. Other mulches

# may be used subject to approval of Landscape Architect. 2.8 MULCH

Provide mulch consisting of premium shredded hardwood bark. Provide sample to Landscape Architect for approval prior to ordering materials.

#### LANDSCAPE WORK PART 3 - EXECUTION

#### 3.1 PLANTING SCHEDULE

At least thirty (30) days prior to the beginning of work in each area, submit a planting schedule for approval by the Landscape Architect.

#### 3.2 PLANTINGS

#### A. Sodding New Lawns

- 1. Remove existing grass, vegetation and turf. Dispose of such material legally off-site, do not turn over into soil being prepared for lawns.
- 2. Till to a depth of not less than 6"; apply soil amendments as needed; remove high areas and fill in depressions; till soil to a homogenous mixture of fine texture, remove lumps, clods, stones over 1" diameter, roots and other extraneous matter. Dispose of such material legally off-site.
- 3. Sodded areas shall receive an application of commercial fertilizer at the rate of 10 lbs. per 1,000 sq. ft. and shall have an analysis of 16-8-8.
- 4. Lay sod within 24 hours from time of stripping.
- 5. Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod strips; do not overlap. Stagger strips to offset joints in adjacent courses. Work from boards to avoid damage to subgrade or sod. Tamp or roll lightly to ensure contact with subgrade. Work sifted soil into minor cracks between pieces of sod; remove excess to avoid smothering of adjacent
- 6. Water sod thoroughly with a fine spray immediately after planting.

#### 3. Seeding New Lawns

- 1. Remove existing grass, vegetation and turf. Dispose of such material legally off-site. Do not turn over into soil being prepared for lawns.
- 2. Till to a depth of not less than 6"; apply soil amendments; remove high areas and fill in depressions; till soil to a homogenous mixture of fine texture, remove lumps, clods, stones over 1" diameter, roots and other extraneous matter. Dispose of such material legally off-site.

- 3. Seeded lawn areas shall receive an application of commercial fertilizer at the rate of 5 lbs. per 1,000 sq. ft. and shall be 6-24-24. Fertilizer shall be uniformly spread and mixed into the soil to a depth of 1" inches.
- 4. Do not use wet seed or seed which is moldy or otherwise damaged in transit or storage.
- 5. Sow seed using a spreader or seeding machine. Do not seed when wind velocity exceeds five (5) miles per hour. Distribute seed evenly over entire area by sowing equal quantity in two directions at right angles to each other.
- 6. Sow not less than specified rate.
- 7. Rake lawn seed lightly into top 1" of soil, roll lightly and water with a fine spray.
- 8. After the seeding operation is completed, spray a wood fiber mulch (Conweb 2000 with tackifier or approved equal) over the entire grassed area at the rate of 2,000 lbs. per acre. Use a mechanical spray unit to insure uniform coverage. Exercise care to protect buildings, automobiles and people during the application of the mulch.
- 9. DO NOT MOW HIGHLANDS FESCUE SEED MIXTURE.

#### C. Seeding Native Areas

- 1. The period for planting prairie seed shall be from April 1 to May 15 or November 1 to just before the first frost. Seeding outside of these timeframes must be approved by the landscape architect. Native seed planted outside of specified timeframes must have at least 60 days of growth prior to frost. Dormant seeding in winter is possible if soil conditions allow
- 2. The General Contractor and Native Landscape Contractor shall be responsible for performing all work necessary to achieve and maintain an acceptable seedbed prior to seeding. All areas must be properly prepared before seeding begins. Equipment having low unit pressure ground contact shall be utilized within the planting areas.
- 3. If present, compacted soils shall be disked or raked prior to seeding.
  Remedial measures for the access area may, at the direction of the Wetland
  Consultant, involve ripping from 12 to 18 inches of the soil horizon prior to
- 4. Prior to seeding, planting areas shall have at least twelve inches of clean un-compacted topsoil. Clumps, clods, stones over 2" diameter, roots and other extraneous matter shall be removed and disposed of legally off-site.
- 5. Granular mycorrhizal inoculants shall be installed with the seed mix at a rate of 40lbs/ acre. Inoculant can be banded under seed, worked into seed or added into spray tanks. Native areas shall not receive fertilizer.
- 6. Contractor shall be solely responsible for the proper handling and storage of the seed according to the best seed handling and storage practices, including fungicide treatments and stratification considerations. Owner shall make no compensation for damage to the seed because of improper storage, cleaning, threshing, or screening operations.
- 7. Except where site conditions preclude their use, seeding shall be performed using a Truax drill, Truax Trillion seeder, or comparable equipment designed specifically for installation of native seed. For areas where site conditions preclude the use of specialized equipment, seed may be installed through hand broadcasting and followed by light raking. Hand broadcast seed shall be spread at twice the specified rate. Other methods of seed installation may be used with prior approval from the Landscape Architect.
- 8. Prior to starting work, all seeding equipment shall be calibrated and adjusted to sow seeds at the proper seeding rate. In general, the optimum seeding depth is 0.25 inch below the soil surface. Areas where the seed has not been incorporated into the soil to the proper depths will not be accepted, and no compensation for materials or labor for the rejected work will be made by the Owner.
- 9. Seeding and soil tracking/firming shall not be done during periods of rain, severe drought, high winds, excessive moisture, frozen ground, or other conditions that preclude satisfactory results.
- 10. Wet mesic and emergent areas shall be planted, and seed allowed to germinate (if possible), prior to flooding with significant amounts of water.

  Any areas of significant permanent water located within the planting area will
- 11. After the seeding operation is completed, install erosion control blanket per manufacturer's specifications.
- 12. Emergent plugs shall be planted in natural groupings within designed areas containing saturated soils or shallow inundation. Plants within groupings shall be planted at 2 foot centers.
- 13. Emergent plugs shall not be planted less than the specified rate and shall be protected with goose exclosures surrounding all natural groupings of plugs.
- E. Groundcover and Perennial Beds

receive live plugs in lieu of seed.

Groundcover, perennials, and annuals shall be planted in continuous beds of planting soil mixture a minimum of 8" deep. Install per spacing indicated on plan.

#### F. Trees and Shrubs

- 1. Set balled and burlapped (B\$B) stock plumb and in center of pit or trench with top of ball at an elevation that will keep the root flare exposed upon backfill and mulching. Remove burlap from top and sides of balls; retain on bottoms. When set, place additional topsoil backfill around base and sides of ball and work each layer to settle backfill and eliminate voids and air pockets. When excavation is approximately 2/3 full, water thoroughly before placing remainder of backfill. Repeat watering until no more is absorbed. Water again after placing final layer of backfill.
- 2. Dish top of backfill to allow for mulching. Provide additional backfill berm around edge of excavations to form shallow saucer to collect water.
- 3. Mulch pits, trenches and planted areas. Provide not less than 3" thickness of mulch and work into top of backfill and finish level with adjacent finish grades. Maintain exposed root flare at all times.
- 4. Prune only injured or dead branches from flowering trees, if any. Protect central leader of tree during shipping and pruning operations. Prune shrubs to retain natural character in accordance with standard horticultural practices.
- 5. Remove and replace excessively pruned or ill-formed stock resulting from improper pruning.
- 6. The Contractor shall be wholly responsible for assuring that all trees are planted in a vertical and plumb position and remain so throughout the life of this contract and guarantee period. Trees may or may not be staked and guyed depending upon the individual preference of the Contractor; however, any bracing procedure(s) must be approved by the Owner prior to its installation.

#### 3.3 INITIAL MAINTENANCE

- A. Begin maintenance immediately after planting, continuing until final acceptance. A minimum of thirty (30) days.
- B. Maintain planted and seeded areas by watering, rolling/regrading, replanting and implementing erosion control as required to establish vegetation free of eroded or bare areas.
- C. Highlands Fescue and Native Planting areas are to be mowed only once per spring during the initial three year establishment period.

#### 3.4 NATIVE LANDSCAPED AREAS

CONTINUED MONITORING # MAINTENANCE

#### A. Monitoring

The Owner shall notify the County upon completion of plantings. The Owner's Environmental Specialist shall inspect the plantings and provide the County with a copy of the planting locations, species, and quantities for verification by the County.

The Owner's Environmental Specialist shall inspect the plantings at least twice per year during the three-year term of the Establishment and Maintenance Cash Bond or Letter of Credit, to determine compliance with the minimum annual performance criteria (See 1.5C Guarantees). A monitoring report will be provided to the County by January 31st following each inspection.

#### B. Maintenance:

#### First Season

With the exception of the emergent area, native seeding areas should be mowed to a height of 6" to control annual nonnative and invasive species early in the growing season. Mowing, including weed whipping, should be conducted during prior to weed seed production. Mowing height and timing may need to be adjusted per target species. Small quantities of undesirable plant species, shall be controlled by hand pulling prior to the development and maturity of the plant. Hand removal shall include the removal of all above-ground and below-ground stems, roots and flower masses prior to development of seeds. Herbicide should be applied as necessary by a trained and licensed operator that is competent in the identification of native and nonnative herbaceous plants. Debris and litter shall be removed from the native areas and storm structures shall be inspected and maintained as necessary.

#### Second Season

Control of undesirable plant species during the second growing season shall consist primarily of precise herbicide application. Mowing and weed whipping shall be conducted as needed during the early growing season and as needed to a height of 6 to 8 inches to prevent annual weeds from producing seed. Debris and litter shall be removed from the native areas and storm structures shall be inspected and maintained as necessary.

#### Third, Fourth, and Fifth Years:

Seasonal mowing and herbicide will continue as above but should be reduced over time. Debris and litter shall be removed from the native areas and storm structures shall be inspected and maintained as necessary. At the completion of the third growing season (dependent on fuel availability; dominance of graminoid species; and favorable weather conditions), fire may be introduced to the planted areas as a management tool.

State and local permits shall be required prior to controlled burning. Burning shall be conducted by trained professionals experienced in managing smoke in urban environments. Prior to a controlled burn, surrounding property owners as well as local fire and police departments shall be notified. A burn plan detailing preferred wind direction and speed, location of fire breaks, and necessary personnel and equipment shall be prepared and utilized in planning and burn implementation.

The initial burn shall be dependent on fuel availability which is directly related to the quantity and quality of grasses contained within the plant matrix. Timing of the burn shall be determined based on results of the annual monitoring indicating species composition of the management area and other analysis of management goals. Generally, burns shall be scheduled from spring to fall on a rotational basis. Burn frequency shall also be dependent on the species composition within the management area. Generally, a new prairie restoration area shall be burned annually for two years after the second or third growing season after planting and then every 2-3 years thereafter, burning 50-75% of the area.

#### C. Long Term Wetland and Prairie Management/Maintenance

A final compliance report and Long-Term Operation and Maintenance Plan shall be submitted by the Developer/Owner's Environmental Specialist no less than 60 days prior to the expiration of any landscape Cash Bond or Letter of Credit posted for the native areas. Final acceptance and release shall be determined by the County/City/USACE upon inspection of the site to verify compliance.

The Long -Term Operation and Maintenance Plan shall be written to include guidelines and schedules for burning, mowing, application of herbicide, debris/litter removal and

# inspection schedule for storm structures and sediment removal. 3.5 CLEAN UP AND PROTECTION

- A. During landscape work, store materials and equipment where directed. Keep
- pavements clean and work areas and adjoining areas in an orderly condition.

  B. Protect landscape work and materials from damage due to landscape operations, operations by other trades and trespassers. Maintain protection during installation and maintenance periods. Treat, repair or replace damaged landscape work as

# directed by Landscape Architect. 3.6 INSPECTION AND ACCEPTANCE

- A. The Landscape Architect reserves the right to inspect seeds, plants, trees and shrubs either at place of growth or at site before planting for compliance with requirements for name, variety, size, quantity, quality and mix proportion.
- B. Supply written affidavit certifying composition of seed mixtures and integrity of plant materials with respect to species, variety and source.
- supplemental plantings in each area.

  D. When the landscape work is completed, including maintenance, the Landscape Architect will, upon request, make a final inspection to determine acceptability.

After final acceptance, the Owner will be responsible for maintenance.

C. Notify the Landscape Architect within five (5) days after completing initial and/or

GR WA

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