General Notes:

1. The landscape contractor shall review all site conditions prior to construction and notify the landscape architect of any discrepencies found in the base map information provided. The contractor is responsible for verifying all field conditions related to their construction activities. The landscape contractor shall abide by all local, state and federal regulations that apply to their work.

2. The landscape contractor shall determine the exact locations of all existing utilities prior to starting construction as required by state law. The contractor is responsible for damages that result from the failure to properly locate and protect all underground utilities.

3. Any damage to existing roads, curb & gutters, trees, and turf from the landscape contractor shall be repaired at no cost to the owner.

4. Preparing the finish grade for seeding shall be the responsiblity of the contractor. Locations that are defient of a minimum of 6" of quality topsoil, refer note below for topsoil requirements, shall be brought to the attention of the owner prior to seeding.

5. The landscape contractor shall stake the plant locations in the field for review by the landscape architect prior to the start of construction activities. Minor field adjustments to the exact plant locations may need to be made. The landscape architect reserves the right to make field adjustments prior to planting. Any proposed re-locations by the landscape contractor shall be approved by the landscape architect prior to digging.

6. The landscape contractor shall coordinate their construction activities with the other contractors working on the site.

Tree, Shrub and Perennial Planting Notes:

1. Planting beds shall be established indicated on the plan with an approved landscape edger with stakes.

2. Unless otherwise noted, plant beds shall consist of shredded bark mulch, 4" depth, free of soil or debris. All landscape plantings shall be mulched with a minimum of 4 inches of shredded bark mulch as shown on the details.

3. Trees and shrubs shall be freshly dug at time of delivery, unless container-grown.

4. The diameter of all tree pits shall be two times the diameter of the root ball. Tree pits shall be excavated so that the top of the ball will be set at 2 inches above the finished grade. The diameter of all shrub pits shall be two times the diameter of the root mass with soil. Shrub pits shall be excavated so that the top of the ball will be set at 1inch above finished grade.

5. The topsoil for backfilling the planting pits shall be mixed with compost at a ratio of 1:3 loose compost to topsoil by volume. Backfill / planting soil shall be tested to determine suitability for planting per the specifications. New trees and shrubs shall be fertilized based on the recommendations provided by the soils report.

6. The contractor shall brace the trees as necessary per the details to insure plant stability.

7. Trees to be planted shall have a single, straight leader and tapered trunk. The tree shall be free of girdling roots that have circled around the tree and are constricting the tree at the base. Trees must be in good health and free of disease.

8. The planting contractor shall take measures to protect the trees and shrubs from damage due to planting. Newly planted trees shall be wrapped with tree wrap if the exposure or species warrant protection.

9. Planting shall not commence until the associated site improvements, pavements, and finish grading are completed.

10. The landscape contractor shall verify the suitability of soil to produce viable planting soil. Soil shall be clean of roots, weeds, sod, rocks, clods, clay lumps, concrete or other extraneous materials harmful to plant growth.

11. The Contractor shall not deviate from the plant selections without written approval.

Planting Schedule

Common Name	Latin Name	Qty	Size	Spacing	Plant	Mature ht	Mature spr	Features	
Autum Blaze Maple	Acer x freemanii 'Jeffersred'	33	2"	varies	B & B	50 ft.	50 ft.	fiery red fall color	tolerates most soils
Red Maple	Acer rubrum 'Franksred'	24	2"	varies	B & B	50 ft.	50 ft.	red fall color	tolerates most soils
State Street Maple	Acer miyabe 'Morton'	5	2"	varies	B & B	30-40 ft.	70 ft.	red fall color	
Hackberry	Celtis Occidentalis	27	2"	varies	B & B	50-75 ft.	50 ft.	soft yellow fall color	tolerates dry soils
Skyline Honeylocust	Gleditsia Triacanthos 'Skyline'	22	2"	varies	B & B	50 ft.	30-35 ft.	golden yellow fall color	
Kentucky Coffeetree	Gymnocladas dioicus	30	2"	varies	B & B	50 ft.	30 ft.	yellow fall color,	
Swamp White Oak	Quercus bicolor	45	2"	varies	B & B	50-60 ft.	40-50 ft.	yellow-brown to red fall	tolerates moist soils
White Oak	Quercus alba	15	2"	varies	B & B	50-60 ft.	40-50 ft.	yellow-brown to red fall	drought/moisture tolerant
Red Oak	Quercus rubrum	23	2"	varies	B & B	50-60 ft.	40-50 ft.	yellow-brown to red fall	tolerates moist soils
Northern Pin Oak	Quercus ellipsoidalis	6	2"	varies	B & B	50-60 ft.	40-50 ft.	burgundy fall color	good street tree
Boulevard Linden	Tilia americana 'Boulevard'	39	2"	varies	B & B	60 ft.	30' ft.	yellow fall color	
Accolade American Elm	Ulmus americana 'Accolade'	20	2"	varies	B & B	70 ft.	40' ft.	golden yellow fall color	
Dura Heat River Birch	Betula nigra	10	2"	varies	B & B	20-25 ft.	15-20 ft.	yellow fall color	tolerates moist soils
Total Deciduous trees		299							
White Spruce	Picea glauca	17	6'	varies	B & B	40-50 ft.	15-20 ft.		tolerates moist soils
Black Hills Spruce	Picea glauca densata	36	6'	varies	B & B	60 ft.	25-30 ft.	native	
Colorado Green Spruce	Picea pungens	24	6'	varies	B & B	50-80 fts.	20 ft.		
White Pine	Pinus strobus 'Patton's SS'	54	6'	varies	B & B	50-80 fts.	20-40 ft.	native	tolerates moist soils
Red Pine	Pinus resinosa	33	6'	varies	B & B	50 ft.	20 ft.	bluish needles	harsh sites/moist soils
White Fir	Abies concolor	42	6'	varies	B & B	60 ft.	20-30 ft.	native	tolerates moist soils
Balsam Fir	Abies balsemia	18	6'	varies	B & B	60 ft.	20-30 ft.	native	tolerates wet soils
Total Evergreen trees		224							
Crusader Hawthorn	Crataegus crus-galli	5	1.5"	varies	B & B	25 - 30 ft.		white flowers in spring	
Spring Snow Crab	Malus ' Spring Snow'	3	1.5"	varies	B & B	15 - 20 ft.		white flowers in spring	
Autumn Brill. Serviceberry	Amelanchier grandiflora "AB"	8	6'	varies	B & B	15 - 20 ft.			
Amur Maakia	Maakia amurensis	6	1.5"	varies	B & B	15 ft.			
'Princess Kay' Canada Plum	Prunus nigra 'Princess Kay'	6	1.5"	varies	cont	15 ft.	10.000'		
Total Ornamental trees		28							

Tree Replacement/Preservation:

CALIPER INCHES PROVIDED	
299 DECIDUOUS TREES @ 2.0 INCHES	598.0 INCHES
224 EVERGREEN TREES (= 2.0 INCHES)	448.0 INCHES
28 ORNAMENTAL TREES @1.5 INCHES	42.0 INCHES
TOTAL	**1,088.0 INCHES**

Tree, Shrub and Perennial Planting Notes:

12. The landscape contractor shall provide a warranty for all plant materials from the date of project acceptance until one year later. The contractor shall replace dead or unhealthy plants during the warranty period with plants the same size and species specified with a new one year warranty starting on the date of replacement.

13. The landscape contractor shall notify the lowner when the project is ready to be reviewed for substantial completion. Written notice of Substantial Completion shall be issued prior to final payment being made.

14. The Landscape Contractor shall be responsible for the maintenance of newly installed landscaping and replacement of damaged plants or materials until the project is accepted as substantially complete.

15. Trees and shrubs shall not be planted below the normal water elevation of the retention pond.

Fine Grading & Sodding Notes:

1. All disturbed areas within the property limits that are not paved or established as planting beds shall be sodded.

2. The landscape contractor shall insure that soil conditions and established grades allow for proper drainage of all turf and planted areas. Any areas of poor drainage or over compaction shall be brought to the attention of the Landscape Architect prior to the start of any work.

3. Topsoil in landscape areas shall be at least six inches in depth and be a sandy loam, silt loam, loam or sandy clay consisting of no more than 65% sand, 1.5 - 10% orangic mater, a pH of 4.5 - 6.8, soluble salts less than 2 mmhos/em, free of chemical contaminant, and not compacted beyond 80% of Standard Proctor or 200 PSI. Subsoil shall be scarified before topsoil is re-spread. Soil shall be free of debris such as large rocks and fragments of wood.

4. All planting and sodding shall be done before October 15. Seeding before or after these dates shall be done at the Contractor's own risk at no additional expense to the owner should a replanting be necessary.

5. Disturbed areas that remain idle for 14 days shall recieve a temporary seeding of annual rye or oats at 100 lbs per acre.

PLANTING SUMMARY

299 Deciduous Trees
224 Evergreen Trees
28 Ornamental Trees
551 total proposed trees

REVISED SEPTEMBER 02, 2021

PROBE ENGINEERING COMPANY, INC.
CONSULTING ENGINEERS, PLANNERS and LAND SURVEYORS
1000 EAST 146th STREET, BURNSVILLE, MINNESOTA 55337 PH (952)432-3000

paul miller DESIGN inc.
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651) 283 - 1090 • paulmillerdesign@msn.com

REVISIONS

4/29/21	Adjust boulevard plantings for hydrants and utilities
5/21/21	Remove/adjust trees in conflict with utilities
9/2/21	Remove/adjust trees in conflict with utilities

PREPARED FOR:
KEYLAND DEVELOPMENT
17021 FISH POINT ROAD
PRIOR LAKE, MN 55372

I hereby certify that these plans were prepared by me, or under my direct supervision, and that I am a duly registered Landscape Architect in the State of Minnesota
September 2, 2021
Paul W. Miller, Landscape Architect
State of Minnesota: Reg. No. 20920

LANDSCAPE PLAN

WHISPERING WATERS

L-1

EAGLE CREEK BLVD.

WATER STREET

WATERS EDGE AVE

POND 1

POND 2

POND 3

OUTLOT A

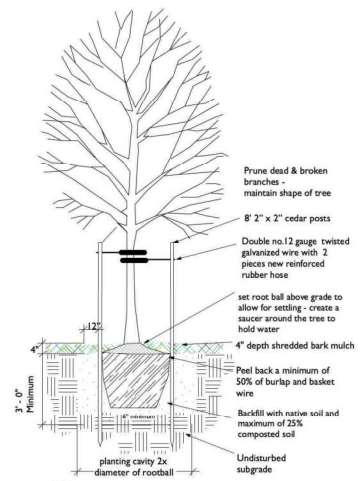
OUTLOT B

5 White Pine
3 Black Hills Spruce
3 White Pine
4 White Fir
3 Black Hills Spruce
3 Hackberry
5 Black Hills Spruce
3 Colorado Green Spruce
2 Northern Pin Oak
4 Red Pine
2 Black Hills Spruce
5 Accolade Elm
3 White Pine
3 Swamp White Oak
4 White Fir
1 Swamp Whie Oak
3 Red Maple
3 Red Maple
3 Balsam Fir
3 Kentucky Coffeetree
2 Autumn Blaze Maple
2 White Pine
2 Red Maple
3 White Fir
6 Boulevard Linden
2 White Pine
3 Swamp White Oak
1 Red Oak
1 White Fir
3 Swamp White Oak
1 Red Oak
5 Skyline Honeylocust
3 White Spruce
3 Colorado Green Spruce
3 White Oak
2 Balsam Fir
2 Balsam Fir
4 Boulevard Linden
3 State Street Maple
3 White Pine
2 Black Hills Spruce
6 Autumn Blaze Maple
2 Dura Heat River Birch
2 White Fir
1 Red Oak
3 Skyline Honey Locust
2 White Pine
3 Red Oak
2 White Pine
2 Balsam Fir
6 Swamp White Oak
3 White Pine
3 White Spruce
4 White Fir
2 White Fir
2 Black Hills Spruce
5 Swamp White Oak
4 Red Maple
2 Dura Heat River Birch
4 White Spruce
1 Northern Pin Oak
3 Swamp White Oak
2 Red Maple
4 Black Hills Spruce
5 Kentucky Coffeetree
7 Hackberry
3 White Oak
4 Kentucky Coffeetree
4 Swamp White Oak
3 Balsam Fir
2 Black Hills Spruce
50'
100'
150'

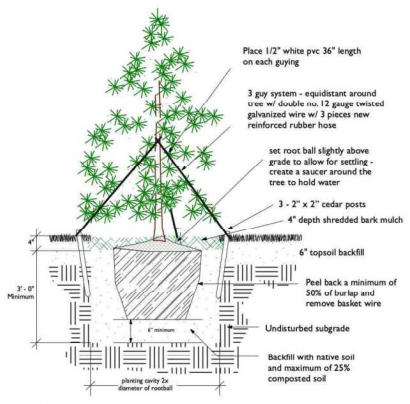
Planting / Materials Legend

Symbol	Description
	deciduous tree to be planted
	evergreen tree to be planted
	ornamental tree to be planted

Planting Details



1 / L1 Typical Deciduous Tree Planting Detail
no scale



2 / L1 Typical Coniferous Tree Planting Detail
no scale

REVISED
SEPTEMBER 2, 2021

0 50' 100'
SCALE

North

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REVISIONS	
5/21/21	Remove/adjust trees in conflict with utilities
9/2/21	Remove/adjust trees in conflict with utilities

PREPARED FOR:
KEYLAND DEVELOPMENT
17021 FISH POINT ROAD
PRIOR LAKE, MN 55372

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September 2, 2021
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State of Minnesota: Reg. No. 20920

LANDSCAPE PLAN

WHISPERING WATERS

L-2

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REVISIONS

5/21/21	Remove/adjust trees in conflict with utilities
9/2/21	Remove/adjust trees in conflict with utilities

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LANDSCAPE PLAN

WHISPERING WATERS

North
L-3