



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, March 21, 2018

Agenda Item

Item 5. B. - 2018 Cost Share Application - Chimney Pines Homeowners Association

Prepared By

Linda Loomis, Administrator

Summary

I have spoken to Ms. Judy Berglund of the Chimney Pines HOA. This will be the third year of their participation in the LMRWD's Cost Share Program. Since this is a townhome development the maximum allowed is \$7,500 or 50% of the project cost whichever is less. The total anticipated cost of phase three is \$5,541.48. The amount of the grant would be 50% of the estimated cost or \$2,770.74. The application is attached.

Attachments

2018 Chimney Pines HOA Cost Share Application

Recommended Action

Motion to authorize 2018 Cost Share for Chimney Pines Homeowners Association

Lower Minnesota River Watershed District

Type or handwrite your answers on this form. (For questions, contact Linda Loomis at naiadconsulting@gmail.com or call 763-545-4659.)

Mail the completed application to:
Lower Minnesota River Watershed District
c/o/Linda Loomis, Administrator
112 E. Fifth St.,
Chaska, MN 55318

or Email to:
Linda Loomis, Administrator
naiadconsulting@gmail.com

2018 Cost Share Incentive and Water Quality Restoration Program Application

1) Name of Organization or Individual Applying for Grant (to be named as Grantee):

Chimney Pines Homeowners Association

2) Project Address (street, city and ZIP code):

Spyglass Drive, Eden Prairie, MN 55347

3) Name & Address of Contact Person if different from above:

Judy Berglund

4) Contact Information (daytime and evening phone numbers, email address):

Email: Judy@Berglund.com

Telephone: 952-975-1960

5) Project Type (Best Management Practice [BMP] or Investigation [Study]):

Best Management Practice

6) Project Description: (Use Separate Page if necessary)

- see separate page -

7) How does the project meet the purpose of the LMRWD Cost Share Incentive and Water Quality Restoration Program?

It is our hope to improve the water quality through the BMP implementation of our plan to remove invasive species and to plant vegetation that will mitigate erosion and minimize the rate and volume of water from adjacent land and sedimentation to the Minnesota River. The pond serves as an extended detention pond that collects water from both street drains and surrounding land which is then transferred to a drain system that makes its way to the Minnesota River.

8) How did you find out about the grant?

From Leslie Stovring, Environmental Coordinator for City of Eden Prairie

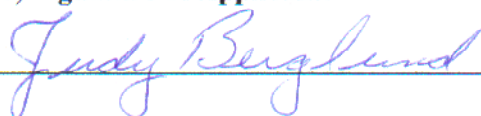
9) Partners (provide contact information for each partner and his/her expected contribution to the project):

Homeowners that backup to the pond area, eighteen homes total. Each homeowner will be asked to contribute their time toward established work days to help complete the overall plan.

10) Grant Funding Request

\$5,541.48

11) Signature of Applicant:



Date: March 19, 2018

Chimney Pines Homeowners Association

Pond Area Improvement Project Narrative

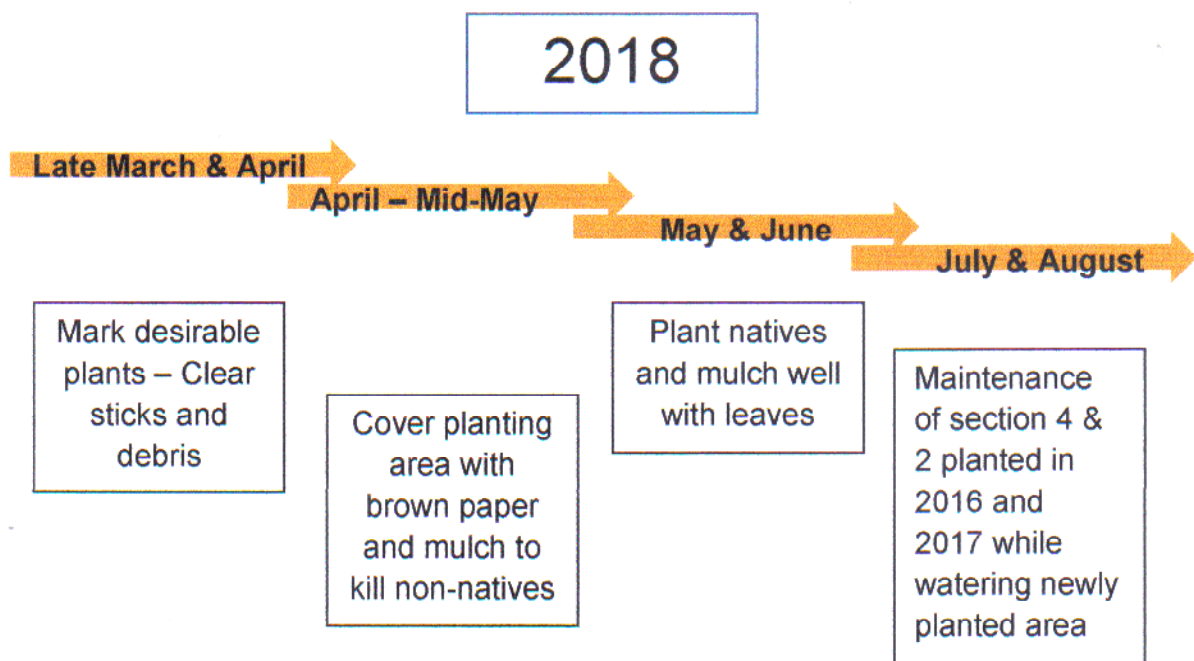
Chimney Pines Homeowners Association of Eden Prairie has eighteen homes backing up to an extended detention pond. Spyglass Drive has fifty homes, in total, in which the driveways and front lawns that have runoff water that is directed to street drains most of which makes its way into the pond and ultimately into the Lower Minnesota River. The goal of this project is to have a native plant buffer strip surrounding the pond in order to improve water quality and clarity with sediment control and preventing soil erosion. Native plants will absorb runoff from backyards before it reaches the extended detention pond. The choice of native plants should also create habitat for butterflies, dragonflies, pollinators, birds, snakes, toads, frogs, salamanders, and other native wildlife.

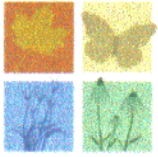
Chimney Pines Homeowners Association

Pond Area Improvement Project Work Plan with Timeline

Because this is such a large area, the volunteer committee of seven households that back up to the extended retention pond will take the suggestion of consultant Heather Holm and divide the area into four workable sections. We completed work on section four (4) in 2016, section two (2) in 2017, and will be working on section three (3) in 2018, and section one (1) in 2019. Attached are the suggestions to the committee made by Heather Holm.

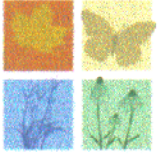
Section three (3) is 135 feet long and an average of 39 feet wide, resulting in an area of 5,300 square feet. We will identify and mark plants worth saving and will be clearing Buckthorn, Garlic Mustard, Canadian Goldenrod, Burning Nettle, Creeping Charlie, and other undesirable invasive species or non-natives in late March through mid-May. As we clear areas we will be laying painter's paper as a barrier and mulching the area with chopped maple leaves collected from the front lawns last fall. May and June we plan to add plant material suggested by Heather Holm. July and August will be maintaining watering for new plantings and maintenance of section four (4) planted in 2016 and section two (2) planted in 2017. We plan to finish this section by late June 2018.





SPYGLASS DRIVE, EDEN PRAIRIE, MN - RETENTION POND PLANTING

PLANT INVENTORY	SECTION
<i>Invasive or non-native species - Remove</i>	
<i>Morus alba</i> , White mulberry	3
<i>Lonicera</i> , Honeysuckle sp.	2
<i>Rhamnus cathartica</i> , European buckthorn (seedlings)	2,3
<i>Torilis japonica</i> , Japanese hedge parsley	3
<i>Silene vulgaris</i> , Bladder campion	1
<i>Linaria vulgaris</i> , Butter and eggs or common toadflax	3
<i>Convolvulus arvensis</i> , Field bindweed	3
<i>Leonurus cardiaca</i> , Motherwort	2,3
<i>Rumex crispus</i> , Curly dock	1
<i>Coronilla varia</i> , Crown vetch	3,4
<i>Glechoma hederacea</i> , Creeping charlie	1-4
<i>Cirsium arvense</i> , Canada thistle	1
<i>Undesirable native species - Remove</i>	
<i>Solidago canadensis</i> , Canada goldenrod	1,2
<i>Hackelia virginiana</i> , Virginia stickseed	2,3,4
<i>Laportea canadensis</i> , Wood nettle	3
<i>Urtica dioica</i> , Stinging nettle	1,4
<i>Vitis riparia</i> , Riverbank grape	1-4
<i>Desirable native species - Keep/Release</i>	
<i>Panicum virgatum</i> , Switch grass	1
<i>Asclepias syriaca</i> , Common milkweed	1
<i>Onoclea sensibilis</i> , Sensitive fern	1, move to 3
<i>Zizia aurea</i> , Golden alexanders	2
<i>Baptisia sp.</i> , Wild indigo	4
<i>Thalictrum dasycarpum</i> , Tall meadowrue	1,2,4
<i>Ageratina altissima</i> , White snakeroot	2-4

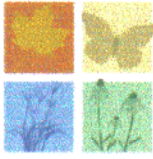


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SPYGLASS DRIVE, EDEN PRAIRIE, MN - RETENTION POND PLANTING

PLANT INVENTORY	SECTION
<i>Desirable native species - Keep/Release</i>	
<i>Arisaema triphyllum</i> , Jack-in-the-pulpit	2,3
<i>Symphotrichum</i> spp., Asters, various species	1,2
<i>Silphium perfoliatum</i> , Cup plant	3, move to 1
<i>Osmorhiza longistylis</i> , Long-styled sweet cicely	3
<i>Asarum canadense</i> , Wild ginger	4
<i>Polygonatum</i> sp., Solomon's seal	4, move to 2,3
<i>Cornus sericea</i> , Red osier dogwood	1
<i>Physalis</i> sp., Ground cherry	1,4
<i>Andropogon gerardii</i> , Big bluestem	1
<i>Monarda fistulosa</i> , Wild bergamot	1,2
<i>Hypericum pyramidatum</i> , Great St. John's wort	1
<i>Eutrochium maculatum</i> s, Spotted joe pye weed	1
<i>Iris versicolor</i> , Blue flag iris	1
<i>Physalis</i> sp., Ground cherry	1,4
<i>Parthenocissus inserta</i> , Woodbine	2-4

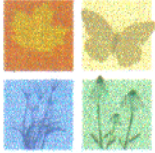


SPYGLASS DRIVE, EDEN PRAIRIE, MN - RETENTION POND PLANTING

PERENNIALS TO ADD - Water's Edge	SECTION
<i>Physostegia virginica</i> , Obedient plant	1
<i>Anemone canadensis</i> , Canada anemone	1,2,4
<i>Chelone glabra</i> , White turtlehead	1,2,4
<i>Eupatorium perfoliatum</i> , Common boneset	1
<i>Verbena hastata</i> , Blue vervain	1
<i>Lobelia siphilitica</i> , Blue Lobelia	1,2,4
<i>Veronicastrum virginicum</i> , Culver's root	1
<i>Vernonia fasciculata</i> , Common ironweed	1,2

SHRUBS TO ADD - Water's Edge	SECTION
<i>Sambucus canadensis</i> , American elderberry	1
<i>Cephalanthus occidentalis</i> , Buttonbush	1
<i>Spiraea alba</i> , Meadowsweet	1
<i>Salix discolor</i> , Pussy willow	1,2

PERENNIALS TO ADD - Shade	SECTION
<i>Mertensia virginica</i> , Virginia bluebells	2-4
<i>Geranium maculatum</i> , Wild geranium	2-4
<i>Maianthemum racemosum</i> , False Solomon's seal	2-4
<i>Polemonium reptans</i> , Jacob's ladder	2-4
<i>Aralia racemosa</i> , Spikenard	2-4
<i>Solidago flexicaulis</i> , Zigzag goldenrod	2-4
<i>Eurybia macrophylla</i> , Large-leaved aster	2-4
<i>Campanula americana</i> , Tall bellflower	2-4
<i>Thalictrum dioicum</i> , Early meadowrue	2-4
<i>Aquilegia canadensis</i> , Wild columbine	2-4



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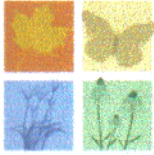
SPYGLASS DRIVE, EDEN PRAIRIE, MN - RETENTION POND PLANTING

SHRUBS TO ADD - Shade	SECTION
<i>Diervilla lonicera</i> , Bush honeysuckle	2-4
<i>Viburnum lentago</i> , Nannyberry	2-4
<i>Viburnum rafinesquianum</i> , Downy Arrowwood Viburnum	2-4
<i>Corylus americana</i> , American hazelnut	2-4

GRASSES AND SEDGES TO ADD	SECTION
<i>Schizachyrium scoparium</i> , Little bluestem	1
<i>Carex spregelli</i> , Sprengel's (long-beaked) sedge	2-4
<i>Carex pennsylvanica</i> , Pennsylvania sedge	2-4

Native Plant Nurseries

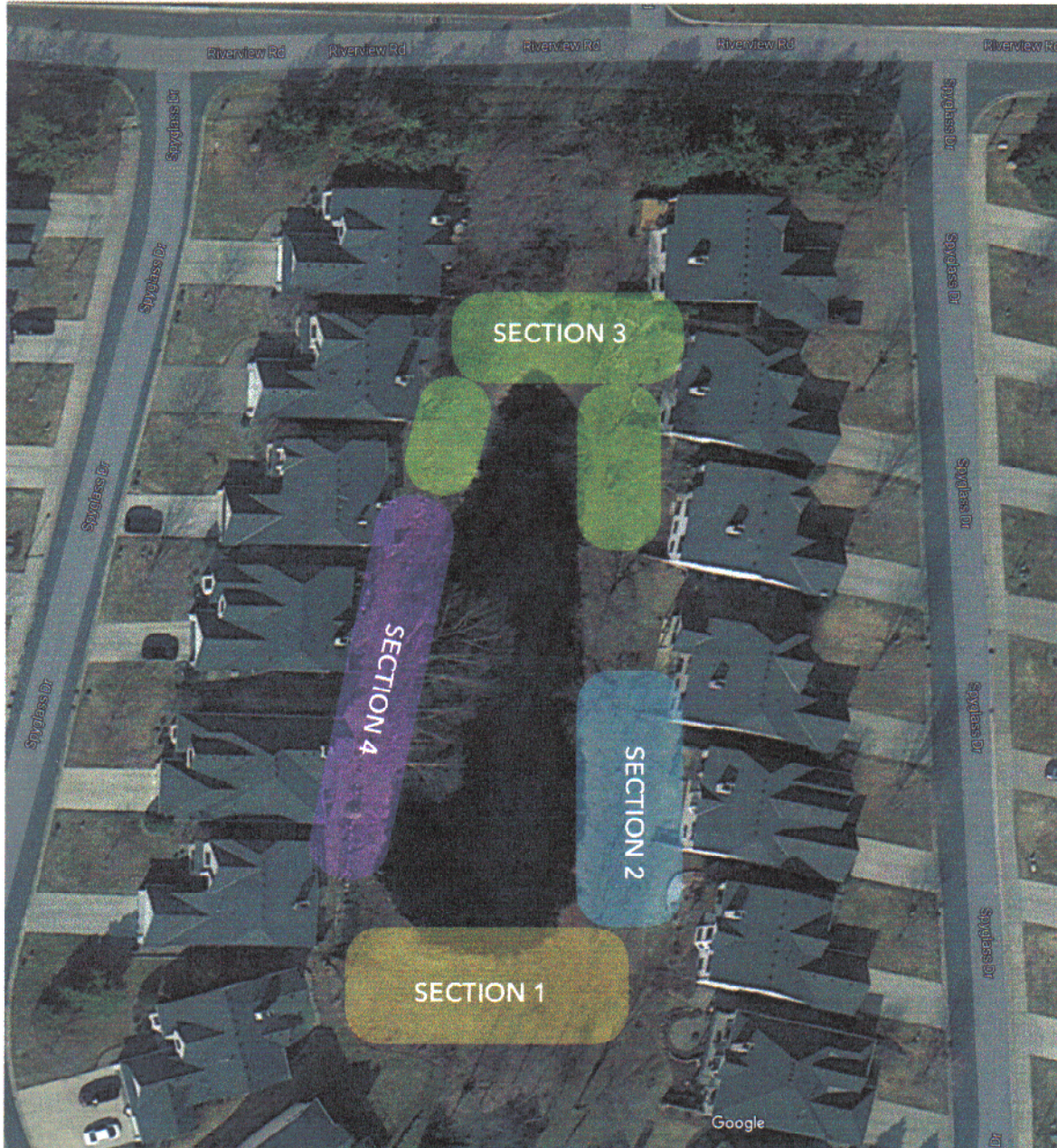
- Natural Shore Technologies, Maple Plain, MN www.naturalshore.com
- Prairie Restorations Inc, Princeton, MN www.prairieresto.com
- Outback Nursery, Hastings, MN www.outbacknursery.com
- Ecoscapes, Burnsville, MN www.ecoscapes1.com
- Landscape Alternatives, Schafer, MN www.landscapealternatives.com
- Prairie Moon Nursery, Winona, MN www.prairiemoon.com

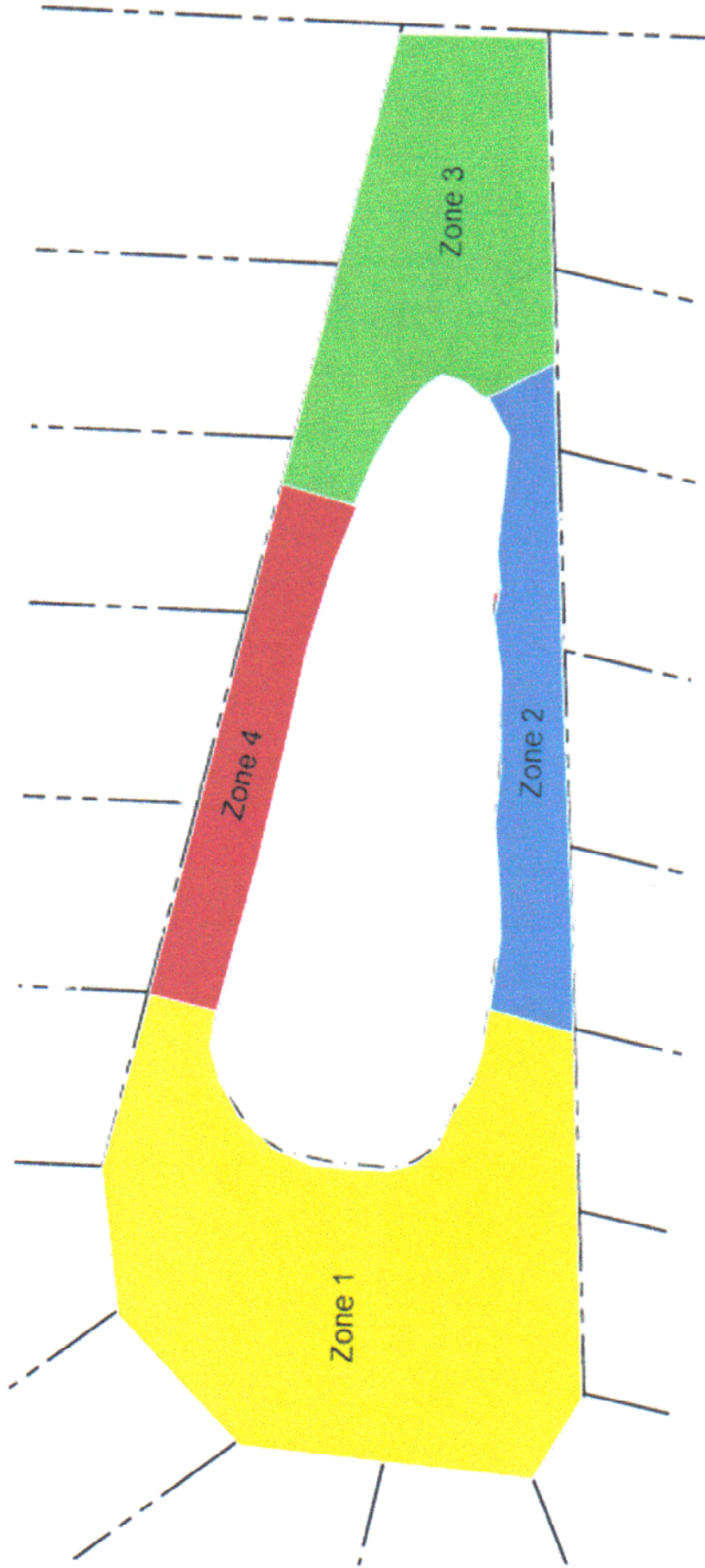


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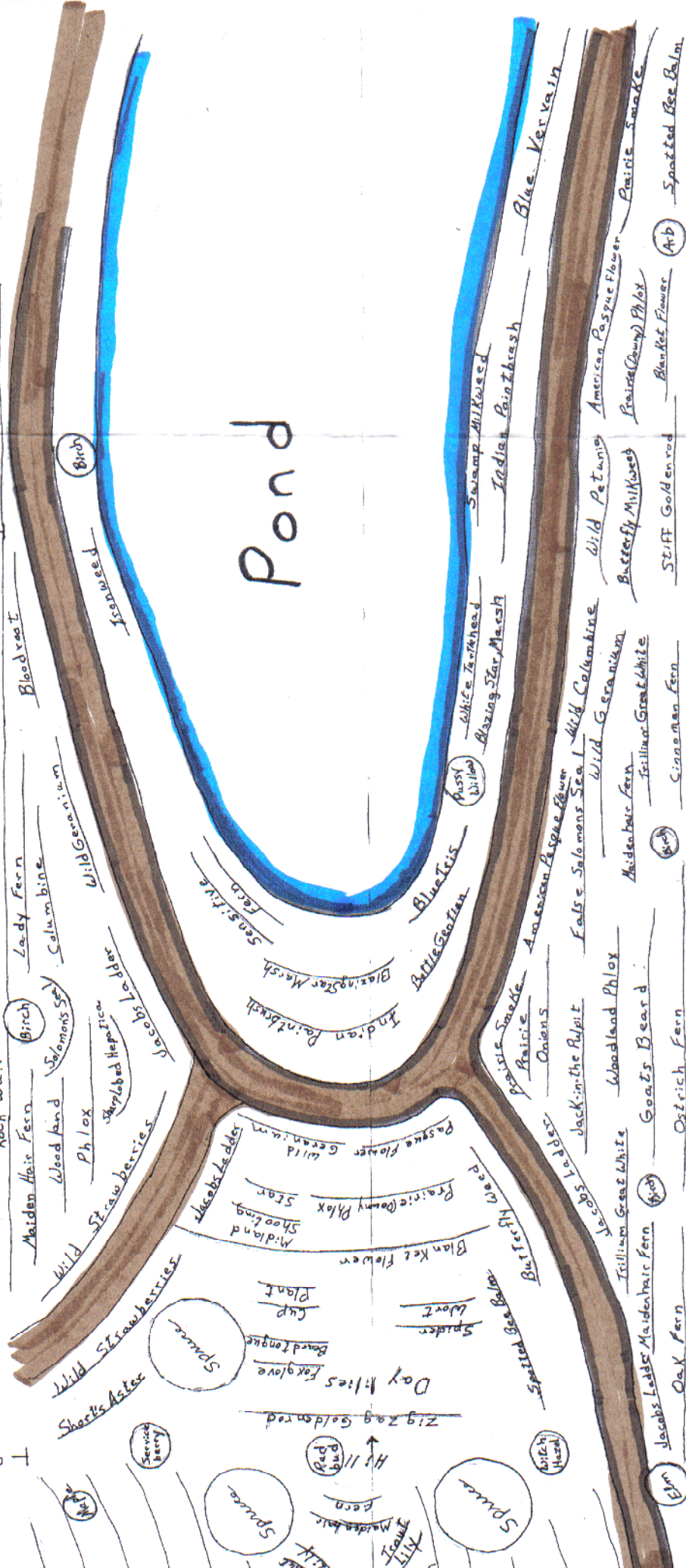


Cedar Fence
Rock Wall

- 6 Butterfly Weed
- 7 Prairie Queen's Flower
- 8 Purple Flower
- 8 Foxglove
- 9 Spotted Bee Balm
- 9 Spotted Bee Balm
- 9 Spotted Bee Balm

- 6 Sharp-lobed Hepatica
- 12 White Anemone
- 7 Short's Asters
- 4 Wild Columbine
- 8 Jacob's Ladder
- 20 Wild Geranium
- 18 Midland Shooting Star

- 1 Sweeten berry Tree
- 1 Red bud Tree
- 1 White-flowered Tree
- 1 White-bark Fern
- 15 Lady Fern
- 15 Woodland Phlox
- 16 Zigzag Goldenrod



- 6 Swamp Milkweed
- 10 Indian Paintbrush
- 5 Bottle Gentian
- 5 Blue Verbena
- 10 Wild Petunia
- 10 Butterfly Milkweed
- 5 Stiff Goldenrod
- Blanket Flower
- Spotted Bee Balm

- 9 Prairie Queen's Flower
- 8 Blanket Flower
- 13 Prairie Smoke
- 9 Spotted Bee Balm

- 15 False Solomon Seal
- 10 Prairie Smoke
- 10 American Pasque Flower
- 15 Prairie Queen's Flower
- 9 Wild Columbine
- 15 Wild Geranium
- 11 Prairie Queen's Flower
- 4 White Anemone

- 10 Dutch Fern
- 9 Oak Fern
- 5 Cinnamon Fern
- 12 Maiden Hair Fern
- 10 Goats Beard
- 10 Jacob's Ladder
- 13 Jack-in-the-Ripplet
- 9 Woodland Phlox

Chimney Pines Homeowner Association

Pond Area Improvement Project Plant List

Zone 3

<u>Plant Name</u>	<u>18 count flat</u>	<u>Price</u>
Jacobs Ladder	2 flats	\$57.90
Virginia Bluebells	1 flat	28.95
Solomon's Seal	1 flat	38.95
Solomon's Plume	2 flats	77.90
Foxglove Beardtongue	2 flats	57.90
Heart-leaved Aster	1 flat	28.95
Short's Aster	2 flats	57.90
Wild Columbine	2 flats	57.90
Wild Geranium	3 flats	86.85
Sharp Lobed Hepatica	20 plants	199.80
Trout Lily	20 plants	145.00
Spikenard	10 plants	72.50
ZigZag Goldenrod	3 flats	86.85
Wild Blue Phlox	1 flat	28.95
Wild Strawberry	1 flat	28.95
Goats Beard	10 plants	129.90
Jack-in-the Pulpit	1 flat	28.95
Trillium-Great White	10 plants	72.50
Prairie Smoke	2 flats	57.90
American Pasque Flower	2 flats	57.90
Prairie Onions	1 flat	28.95
Midland Shooting Star	1 flat	28.95
Blazing Star, Marsh	1 flat	28.95
Butterfly Weed	1 flat	28.95
Prairie (Downy) Phlox	1 flat	28.95
Spiderwort	1 flat	28.95

Blanket Flower	1 flat	28.95
Spotted Bee Balm	1 flat	\$28.95
Indian Paintbrush	1 flat	28.95
Wild Petunia	1 flat	28.95
White Turtlehead	6 plants	43.50
Swamp Milkweed	6 plants	43.50
Bottle Gentian	5 plants	49.95
Blue Vervain	5 plants	36.25
Stiff Goldenrod	5 plants	36.25
Maidenhair Fern	3 flats	116.85
Ostrich Fern	2 flats	77.90
Lady Fern	1 flat	38.95
Oak Fern	8 plants	58.00
Cinnamon Fern	8 plants	103.92
Pussy Willow	1 shrub	49.99
Witch Hazel	1 tree	39.99
Redbud	1 tree	139.39
Serviceberry	1 tree	129.99
Delivery of Plants		50.00
	Subtotal	\$2,734.48

Yard Waste Paper Bags (5 count)	15	Subtotal	\$35.00
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Labor

Work Days (in hours)	154 hours	@ \$18/hr.	\$2,772
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(1 session w/ 8 people for 2 hours)

(1 session w/ 7 people for 3 hours)

(6 sessions w/ 4 people for 3 hours)

(5 sessions w/ 3 people for 3 hours)

TOTAL \$5,541.48