



Owl Lake Estates Home Owners Association 2018 Annual Meeting

Date: Thursday – May 31st, 2018

Where: Carbon Valley Regional Library Conference Room

When: 6:00 PM

Agenda

- **Call to Order / Attendance**
- **Secretary's Report**
 - Previous Annual Meeting Minutes
- **Treasurer's Report**
 - 2017 Report
 - 2018 Proposed Budget
- **Irrigation System / Water Updates**
 - Pump Status
 - 2018 Water Outlook
 - Section 18 Update
 - Cost Increase – Lease, Electricity, Futures
- **New Business**
 - Election of Executive Board member
 - Nominating Committee Report
 - Floor Nominations
 - Election
- **Architectural Control Committee Updates**
 - General Updates
 - Landscaping Proposal / Discussion
- **Neighborhood Happenings**
 - HOA Common Land Debris removal/help
 - HOA Common Land Safety Reminder
- **Next HOA Meeting**
- **Open Floor**
- **Adjournment / Clean up**



**Owl Lake Estates Home Owners Association
Annual Meeting – May 31, 2018
Proposed Profit & Loss Budget Overview for 2018**

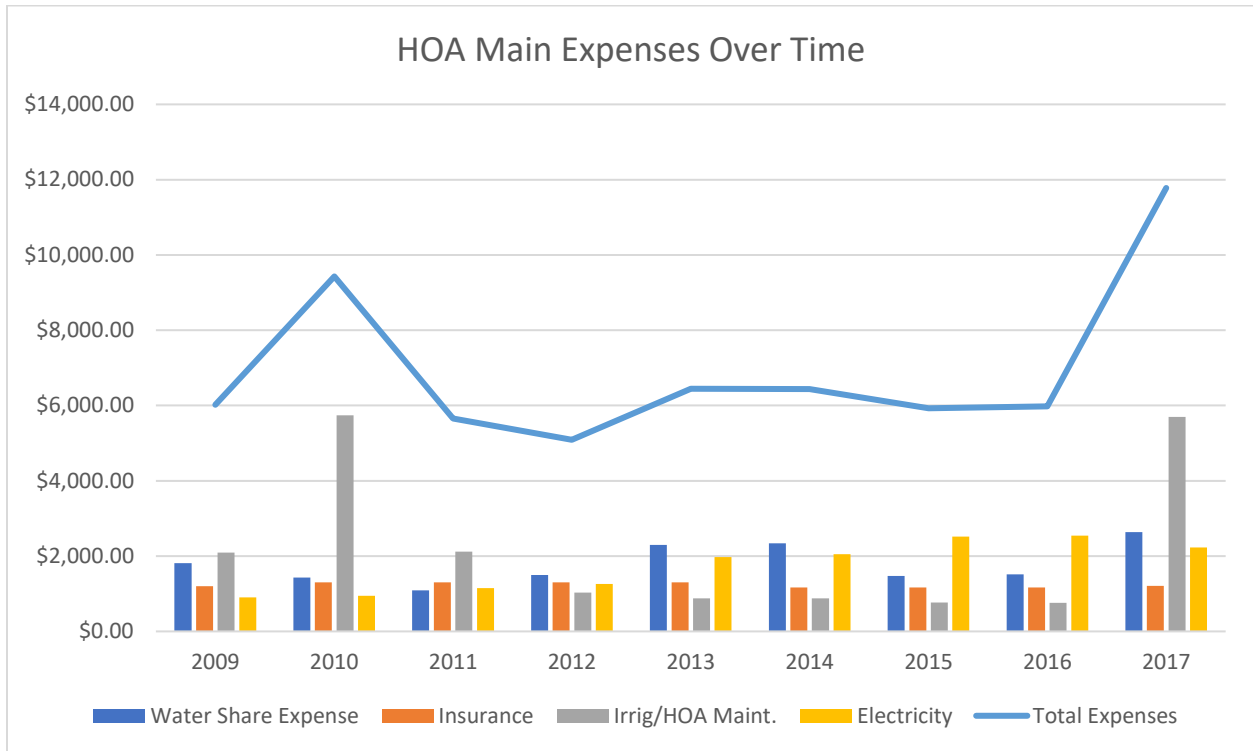
Cash Summary as of 1/1/2018

Checking Account Balance as of 5/31/2018:	\$ 14,959.70
Money Market Balance as of 1/1/2018:	\$ 13,362.07
Total Cash:	\$ 28,321.77

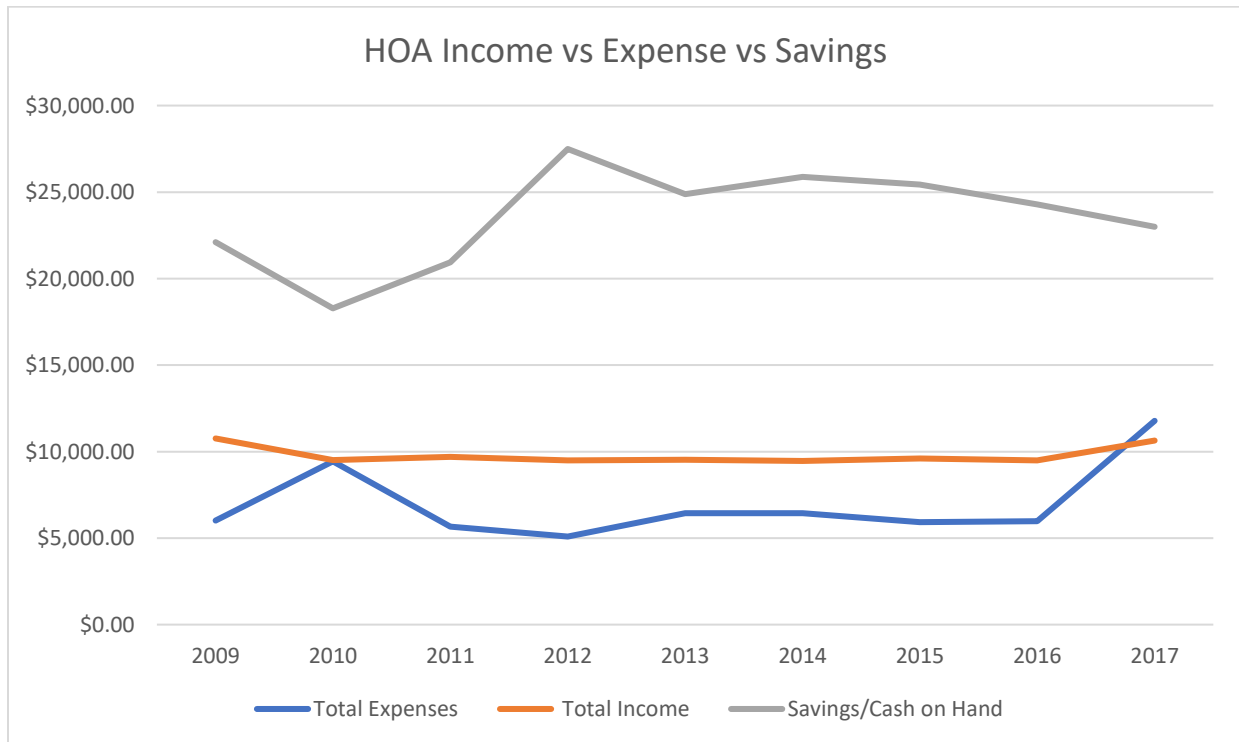
INCOME	Budget 2017	Actual 2017	Budget 2018	Budget Change
Homeowners Dues	\$9,360.00	\$9,360.00	\$12,480.00	\$3,120.00
Misc Income				
Panama Water Leases	\$0.00	\$400.00	\$600.00	\$600.00
United Power rebate	\$0.00	\$42.03	\$0.00	\$0.00
Backflow Testing (passthru)	\$800.00	\$800.00	\$800.00	\$0.00
Interest Income				
Checking	\$0.00	\$0.00	\$0.00	\$0.00
Money Market	\$140.00	\$146.18	\$150.00	\$10.00
Total Income:	\$10,300.00	\$10,748.21	\$14,030.00	\$3,281.79

EXPENSES	Budget 2017	Actual 2017	Budget 2018	Budget Change
Grounds Maintenance				
Mowing Services	\$900.00	\$600.00	\$900.00	\$0.00
Water Maint/Repairs	\$5,000.00	\$5,101.39	\$500.00	(\$4,500.00)
Backflow Testing (passthru)	\$800.00	\$800.00	\$800.00	\$0.00
Liability Insurance	\$1,500.00	\$1,210.00	\$1,500.00	\$0.00
Water Shares				
Owned eater assessments	\$650.00	\$651.20	\$700.00	\$50.00
Leased water	\$2,500.00	\$1,985.00	\$3,000.00	\$500.00
Fees (permits/licenses)	\$50.00	\$10.00	\$50.00	\$0.00
Office Supplies	\$25.00	\$688.65	\$100.00	\$75.00
Postage & Delivery				
Stamps	\$100.00	\$50.00	\$100.00	\$0.00
PO Box Rental	\$60.00	\$70.00	\$70.00	\$10.00
Utilities				
Electric	\$2,800.00	\$2,232.44	\$3,000.00	\$200.00
Storm Water Fee	\$60.00	\$17.16	\$25.00	(\$35.00)
Misc				
Community Events	\$100.00	\$0.00	\$100.00	\$0.00
Total Expense:	\$14,545.00	\$13,415.84	\$10,845.00	(\$3,700.00)

May 31, 2018



** 2010 and 2017 (Irrigation Pump Repairs)*



Basics of Owl Lake Estates Water Shares

HOA Owned Water (River Water)

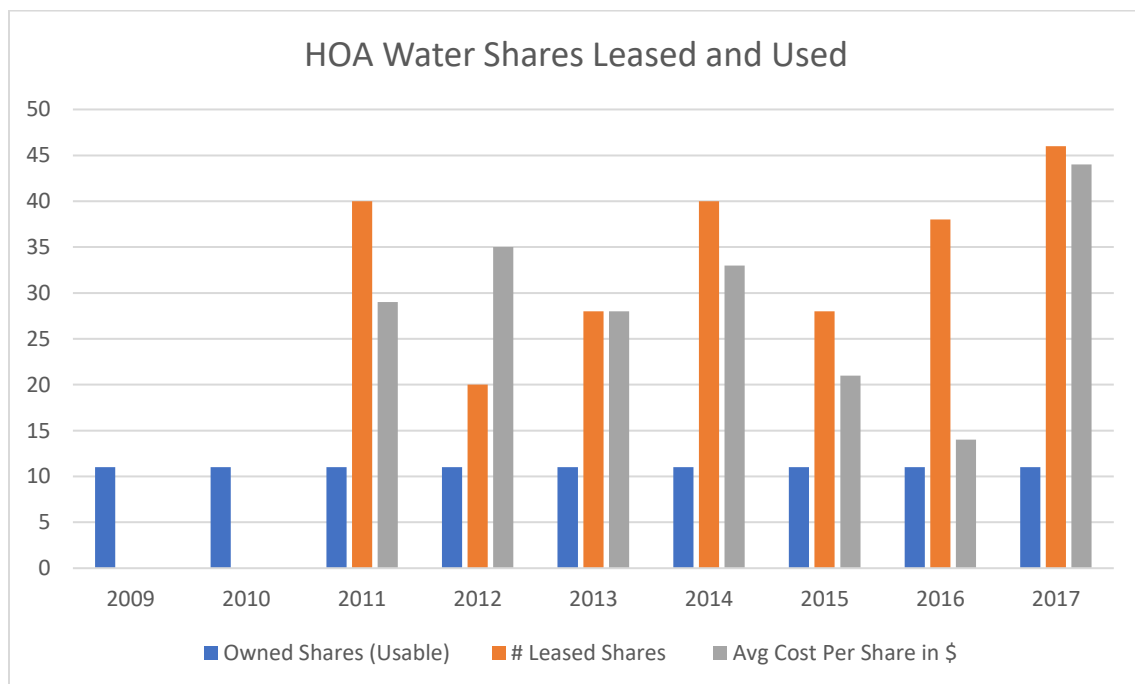
- Shares of Coal Ridge Ditch
 - Usable shares @ 11 shares
 - Average Yield = 25-40 acre feet (depending on conditions)
 - Delivered via the Coal Ridge Ditch and Section 18 Water Users
 - Can only run river water through late June, early July, then at end of season
- Shares of Panama
 - Non-usable shares – no ditch to transport to Owl Lake
 - Used for trades or leased out
 - Storage shares (56 shares of class B)
- The HOA lake holds about 10-acre feet per fill. 1-acre foot = 325,851 gallons

Leased Water (Storage Water or CBT Water)

- On average, the HOA leases 30-50 shares of storage water yearly when available
- Leases: The HOA leases full shares. 1 share of leased storage water = 1 acre foot of water
- Can only run CBT / Storage water July - September

Average Market Value Per Share

- Coal Ridge Ditch = \$3,000-\$5,000 per share when available
- Storage or CBT water \$22,000-\$32,000 per share when available
 - Purchasing shares for water we need equate to 40-50 storage shares with an estimated cost of \$1,200,000 - \$1,500,000!



** Hard to gather data, data used is average to show trends*

PROPOSAL FOR LANDSCAPING THE OWL LAKE ESTATES SIGN

SUBMITTED BY THE ACC TEAM

Oct 18, 2017

Kim Cooper

Mickey Martinez

Fran Planinsek

Dan Sewczak

OWL LAKE ESTATES ACC PROPOSAL FOR SIGN LANDSCAPING

Attached are three Landscaping plans for the common area surrounding the "Owl Lake Estates" sign. Out of five plans proposed, the ACC team chose three. The plans were developed keeping several factors in mind.

- 1) The areas surrounding the Owl Lake Estates community is growing rapidly and will probably continue to do so. Because this will most likely bring young children into the immediate area, we felt that safety measures should be included into our plans. We have added a heavy wire livestock fence or a living fence plus a heavy wire livestock fence into all plans.
- 2) The current "lawn" surrounding the sign is unsightly. At a minimum, all plans require a level area around the sign ending with a retaining wall. Ideally, the entire area between the Lafevre property and the Sharp property should be leveled, reseeded and ended with a retaining wall.
- 3) All plans have a 60ft X 80ft gravel bed surrounding the sign and the existing spruce trees
- 4) All of the submitted plans can be done in stages. However, in the event that we are able to fund this project, it may be more cost effective to complete it in one year. The down side of extending the work over several years may increase our total investment due to inflation.

We suggest that a landscaper be hired to do most of the work, i.e. trucking in dirt, setting the wire fence, building retaining walls, planting the grass and/or trees. The suggested flower and decorative grass plantings are readily available through catalogues, but will require that we not procrastinate ordering in early spring. We suggest that a work crew be hired and needed supplies be identified and purchased very early in the coming year so plantings can be placed as soon as they arrive.

Plan 1 (See Attachment 1) is the simplest of the three plans. Metal edging would surround the gravel bed, creating a sharp boundary between the gravel bed and the buffalo-grass lawn. Planted within the lawn in groups would be switch grasses and cone flowers. See Exhibit 1 for an example of the flowers. Towards the back and along the livestock fence would be tall prairie grasses and Russian sage. Exhibit 2 shows examples of the grasses. Costs are summarized in Table 1.

The plan, shown in Attachment 2, starts with the same leveled area between the two bounding properties and the livestock fence. The "lawn" in this layout is an area filled with a prairie flower mix. Towards the back is a mixture of prairie grasses, Echinacea/daisies and Russian sage arranged in groups. See Exhibits 1 & 2 for examples of the suggested plantings. Costs are summarized in Table 2.

In Plan 3 (Attachment 3) the gravel bed is slightly raised in front and finished with a brick retaining wall. The surrounding lawn is all buffalo grass. Located on either side of the gravel bed are two kidney shaped

raised beds containing flowers. Blue spruce/pine trees create a living fence in front of the wire stock fence. See Attachment 3. Predesigned flower bed plantings can be purchased at reasonable costs from the Michigan Bulb catalog. See Exhibit 3 for examples of flower beds. Costs are available in Table 3.

Costs that are common to two or more of the designs such as the gravel bed, the fence, soil for approximately 18,000 sq ft between the two bounding properties and grass for that area are itemized in Table 1. We may be able to obtain clean land fill for our 18,000 sq ft area from one of the several new construction projects currently underway in our local area. But, we will have to act quickly on this if possible since there are probably other people with similar ideas. Please deal with Dan Sewczak directly on this matter.

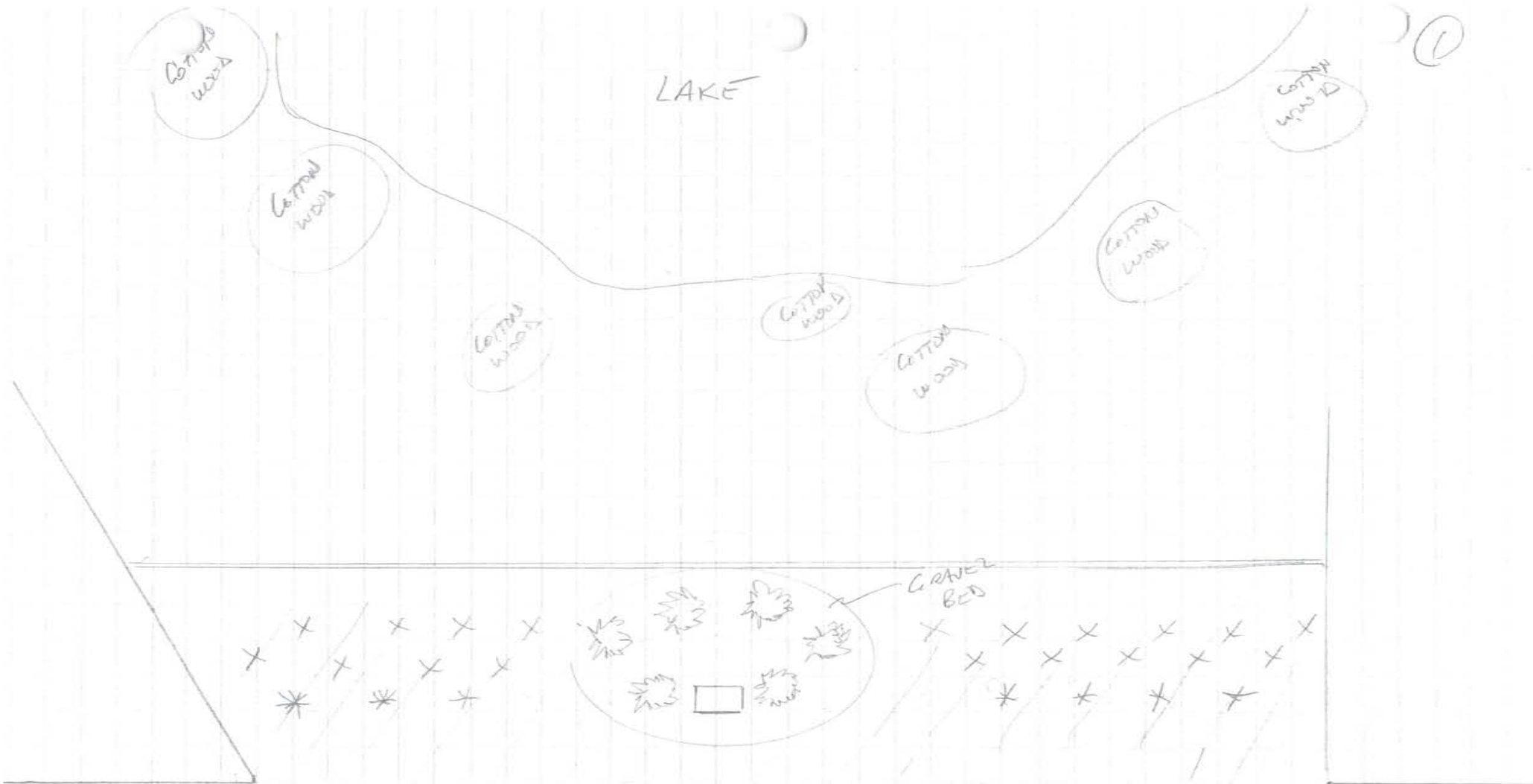
We did not include any landscaping costs. These are costs have not been itemized into any of the plan "total costs". We need a firm plan in hand for the landscaper to view for an estimation of cost.

Lastly, the entire team agreed that anything we do around the sign will be an improvement. However, everyone voted on Plan 3 as being the most desirable regardless of the cost.

TABLE 1

PRICE LIST / SOURCE

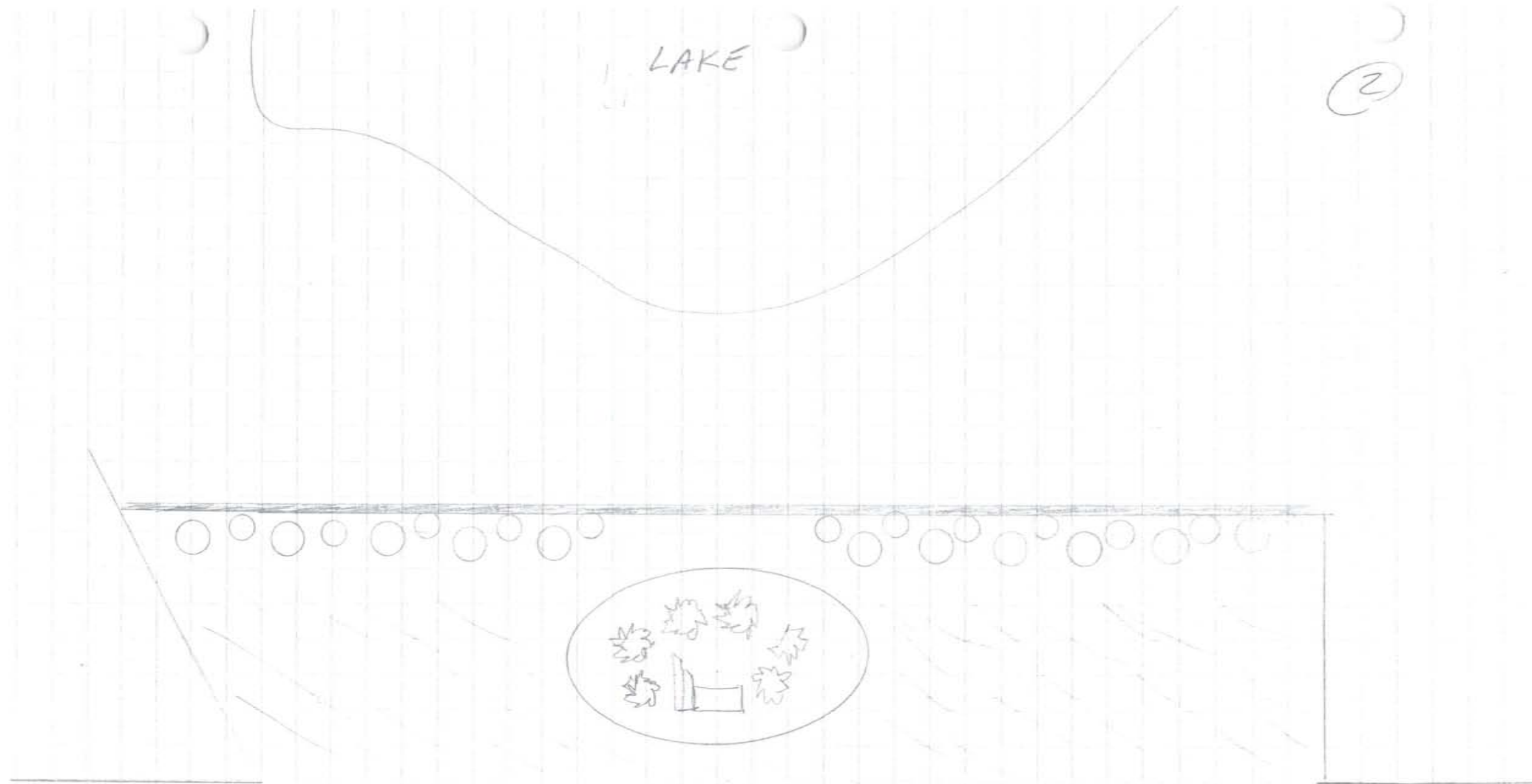
Colorado Materials / Gravel Bed	Amount Material Required	Total Costs
Gravel (40ft X 80ft X3in)	45 Tons	\$2047.50
Landscaping fabric	426 sq yd (\$0.70/sq yd)	\$299.05
Landscaping fabric staples (100/box)	1 box	\$4.30
Steel Edging (optional)	288 ft (\$1.29 ft)	\$371.52
Steel edging staples (optional)	120 (\$0.25 each)	\$30.00
Topsoil	2 tons (\$40.95/ton)	\$81.90
Delivery costs		\$425.00
TOTAL		\$3516.75 (Inc. \$257.48 tax)
Clean landfill	Est. 50 – 60 tons	Est. \$3000.00
Murdoch's		
Buffalo grass	18,000 sq ft (\$18.00/lb)	(The Flower Bin Price) \$1000.00
Wire stock fence and (5ftX16ft per section)	20 sections (\$50 each))	\$1000.00
Metal T-bars (6ft) for fence	60 T-bars (\$4.00 each)	\$240.00
TOTAL		\$2240.00
Plan 1- Plantings (Exhibit 1)		
Gravel Bed + Fence + Landfill TOTAL		\$7756.75
Exhibit – 2 Prairie grass	120 plants at average cost of \$8.00 ea	\$960.00
Exhibit – 2 Switch grass	120 switch grass at average cost of \$7.75 ea	\$930.00
Exhibit -1 Coneflowers	150 cone flowers at average cost of \$10.95	\$1642.50
Russian sage	120 plants	Not available at this time
TOTAL		\$11,291.25



- //// BUFFALO GRASS
- * SWITCH GRASS / CONE FLOWERS
- X PRAIRIE GRASS / RUSSIAN SAGE
- ==== WIRE STOCK FENCE

ATTACHMENT # 1
 PLAN # 1

PLAN # 1



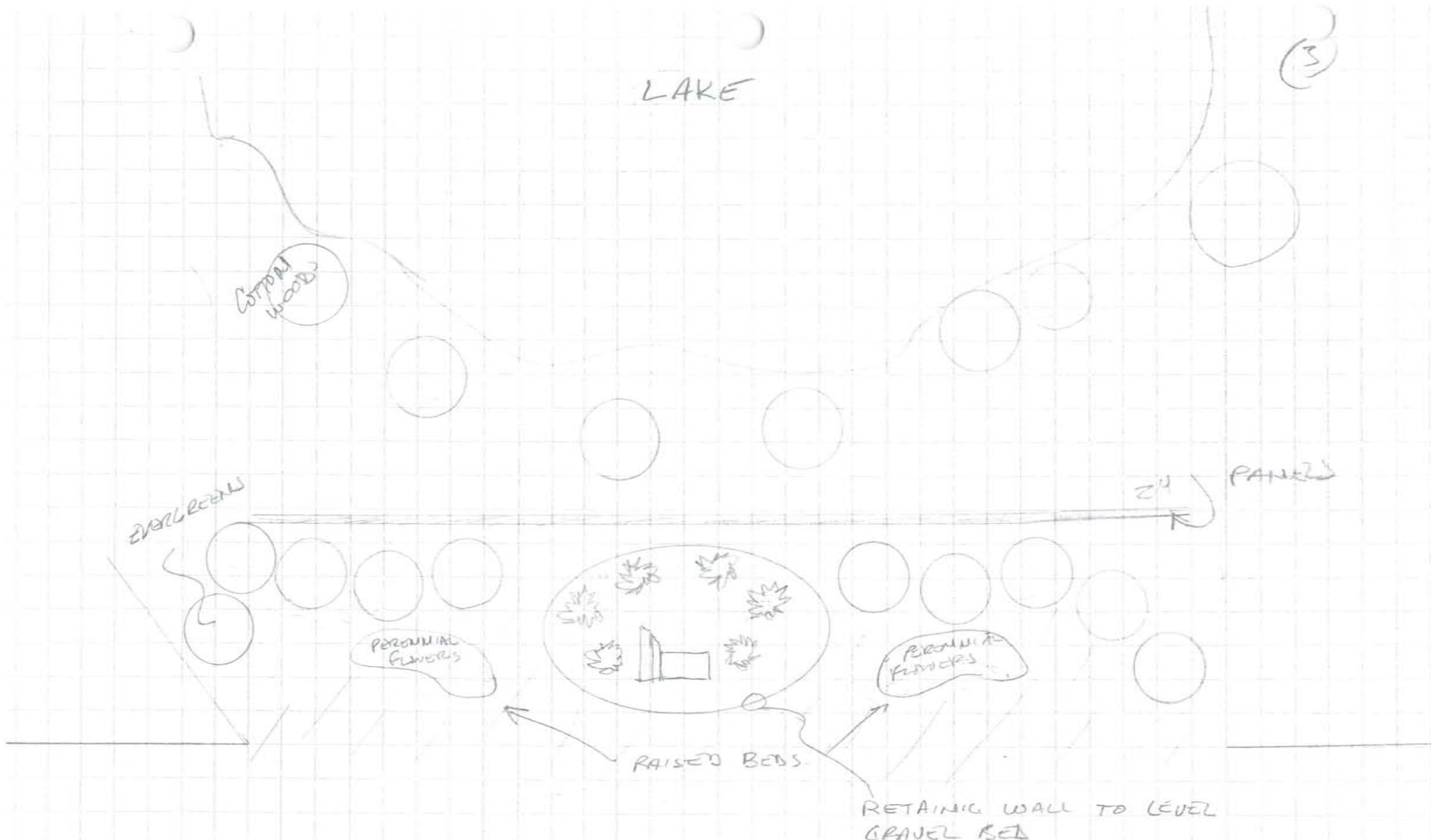
GRAVEL BED IS LEVELLED WITH RETAINING WALL
 = WIRE STOCK FENCE

/// PRAIRIE WILDFLOWER MIX

○ ○ MIXTURE OF PRAIRIE GRASS, ECHINACEA, DAISIES, WILD FLOWERS
 AND RUSSIAN SAGE

PLAN #2
 ATTACHMENT #2

PLAN #2








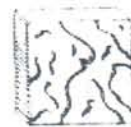
/// BUFFALO GRASS
 === WIRE STOCK FENCE

ATTACHMENT #3
 PLAN 3




PLAN 3

St. Vrain Block Company






Squares

 <p>Smooth Surfacd Squares: Gray / Color: 12" x 12" ~ 23 lbs - 1 per sq. ft. - 120/pallet \$1.74 / \$1.86 16" x 16" ~ 37 lbs - .56 per sq. ft. - 40/pallet \$3.93 / \$4.68 18" x 18" ~ 51 lbs - .44 per sq. ft. - 40/pallet \$4.18 / \$5.00 24" x 24" ~ 90 lbs - .25 per sq. ft. - 20/pallet \$8.35 / \$9.61 4 colors to choose from: Gray, Black, Red & Tan</p>	<p>Cobblestone: Gray / Color: 18" x 18" ~ 50 lbs \$4.34 / \$5.18 ~ .44 per sq. ft. 40/pallet</p> <p>6 colors to choose from: Gray, Red, Tan, Red/Black, Charcoal & Tan/Brown</p> 
 <p>Brick Pattern: Gray / Color: 18" x 18" - 50 lbs - .44 per sq. ft. - 40/pallet \$4.34 / \$5.18 6 colors to choose from: Gray, Red, Tan, Red/Black, Tan/Brown & Black</p>	 <p>12" x 12" Exposed: Gray / Tan 24 lbs - 1 per sq. ft. - 120/pallet \$2.97 / \$3.07 18" x 18" Exposed: 52 lbs - .44 per sq. ft. - 40/pallet \$6.07 / \$6.59</p>
 <p>Paver Top: \$1.99 ea. 12" x 12" ~ 43lbs ~ 1 per sq. ft. 120/pallet 5 colors to choose from: Red, Tan, Red/Black, Gray/Buf/B/Black & Tan/Brown</p>	 <p>Slate Top: \$1.99 ea. 12" x 12" ~ 23lbs ~ 1 per sq. ft. 120/pallet 3 colors to choose from: Buff, Flagstone, Charcoal</p>




Slabs

 <p>Smooth Surfacd Slab: 1 5/8" x 8" x 16" - 14 lbs - 1.13 per sq. ft. 3 colors to choose from Gray, Red & Tan Gray - .77¢ / Color - .89¢</p>	 <p>Brick Patten Slab: 2" x 8" x 16" - 19 lbs - 1.13 per sq. ft. 4 colors to choose from: Red, Tan, Red/Black & Tan/Brown \$1.63 ea.</p>	 <p>Large Rectangle: 2" x 12" x 24" 42 lbs - .5 per sq. ft. 4 colors to choose from: Black, Gray, Red & Tan Gray - \$ 4.35 / Color - \$4.79</p>
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★Retaining Walls★

 <p>Pyzique Stone: 26 lbs - 3 per sq. ft. - 100 per pallet 8 colors to choose from: Gray, Red, Charcoal, Tan, Rust, Buff/Black, Red-Black & Tan-Brown Gray: \$2.00 / Color: \$2.16</p>	<p>Cuesta (Blocks, Caps & Corners): 60lbs - 1.14 per sq. ft. - 6 colors to choose from: Gray, Red, Tan, Buff/Black, Red-Black & Tan-Brown Cuesta products can be <i>Tumbled</i> as well.</p> <p>Blocks: Gray: \$3.95; Color: \$4.35 ~ 36/pallet Corners: Gray: \$4.77 / Color: \$5.18 Caps: Gray: \$3.58; Color: \$3.84 ~ 48/pallet 4" H x 16" front W & 12" back W (or 28" F&B)</p>  <p>8" tall, 16" wide</p>  
 <p>Quarry Stone: 35 lbs - 2.5 per sq. ft. - 90 per pallet ~ Gray: \$2.47 / Color: \$2.77 6 Colors to choose from: Gray, Buff, Rust, Tan/Brown, Buff/Black & Charcoal 4" H x 16" W x 8" D</p>	

Garden Edging

 <p>Tree Rings: 24" dia. circle - 3 pcs per circle - 90/pallet ~ \$1.93 ea. 30" dia. circle - 4 pcs per circle - 100/pallet ~ \$2.03 ea. Colors: Black, Gray, Red & Tan</p>	 <p>Garden Border: \$1.55 ea. 17 lbs - 1 per 2 linear feet ~ 120 per pallet Colors: Black, Gray, Red & Tan</p> <p>Lawn Edger: \$1.55 ea. 13 lbs - 1 per linear foot ~ 216 per pallet 6 Colors to choose from: Gray, Red, Tan, Black, Tan/Brown & Red/Black</p>  <p>4" x 4" x 12"</p>
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Rounds



Hexagons


Smooth Surface: Gray / Color

2 x 12" - 17 lbs - 1 per sq. ft. - 120 per pallet - \$1.87 ea.
 2 x 18" - 36 lbs - .44 per sq. ft. - 40 per pallet - \$3.99 / \$4.81
 2 x 24" - 71 lbs - .25 per sq. ft. - 20 per pallet - \$7.48 / \$8.25
 Colors: Gray, Red, Tan & Black




Smooth Surface Gray / Color

2" x 14" - 18.5 lbs - 1.15 per sq. ft. - 120 per pallet - \$1.97 / \$2.26
 2" x 16" - 28 lbs - 1 per sq. ft. - 40 per pallet - \$3.82 / \$4.13
 Colors: Gray, Red, Tan & Black




2" x 18" Exposed Aggregate:

36 lbs - .44 per sq. ft. - 40 per pallet
 Colors: Gray \$5.81 & Tan \$5.95



2" x 14" Exposed Aggregate:


18.5 lbs - 1.15 per sq. ft. - 120 per pallet
 Colors: Gray \$2.97



Paving Blocks

Interlocking Paving Block:

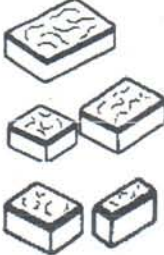
3 1/8" x 4" x 8" 7 lbs - 4.5 per sq. ft. .75¢ ea.
 Colors: Red, Tan, Red-Black & Tan-Brown



Dublin Pavers:
 (a 1 to 5 piece pattern paver system)


Large Rectangle: 8.25" x 11" / 1.59 per sq. ft. \$1.79 ea.
 Medium Rectangle: 5.5" x 8.25" / 3.17 per sq. ft. .89¢ ea.
 Square: 5.5" x 5.5" / 4.76 per sq. ft. .63¢ ea.
 Junior Rectangle: 4.0" x 5.5" / 6.55 per sq. ft. .45¢ ea.
 Small Rectangle: 2.75" x 5.5" / 9.52 per sq. ft. .32¢ ea.

6 Colors to choose from:
 Charcoal, #4 Durango Blend, #5 Colonial Blend,
 #7 Napa Valley Blend, Red-Black & Tan-Brown




Sod Block or Grass Paver:

18" square, 3 1/2" thick \$5.26 ea.
 43 lbs - .44 per sq. ft. - 40 per pallet
 Colors: Gray



Holland Paver:

2 3/8" x 4" x 8" lbs - 4.5 per sq. ft. ~ 360 per pallet ~ .68¢ ea
7 Colors to choose from: Red, Tan, Red-Black Tan-Brown,
 #4 Durango Blend, #5 Colonial Blend & #7 Autumn Blend




Around the House

Traction & Paver Sand

70 lbs ea. / \$ 3.42 ea


Concrete Mix

80 lbs ea. / \$ 3.93 ea




Vehicle Stop:

8" w x 5" h x 72" l - 210 lbs \$34.00
 Color: Gray



Reinforced Splash Block:


12" x 36" - 83 lbs \$12.00
 Color: Gray



Screen Block

4" x 12" x 12" \$ 2.74 ea.

23 lbs - 1 per sq. ft. - 120 per pallet
 Colors: Gray, Red & Tan



How many pavers or block will you need?

Figure the square footage of your project. For retaining walls, multiply the length of the wall by the height. After it's calculated, multiply your square footage by the number of block required to make a square foot. This multiplier is found in the information next to the picture of the product.

St. Vrain Block Company

5150 Grand View Blvd. Dacono, CO 80514

Hours: 8 am - 4:30 pm Tue-Fri & 7 am - 3 pm Sat

ph: - 303-833-2415 ~ ~ fax - 303-833-4145 ~ ~ www.stvrainblock.com ~ ~

e-mail: stvrainretail@skybeam.com

St. Vrain Block Company. Locally owned. Tri-Town community member since 1980.

EXHIBIT #1

JUNG CATALOG



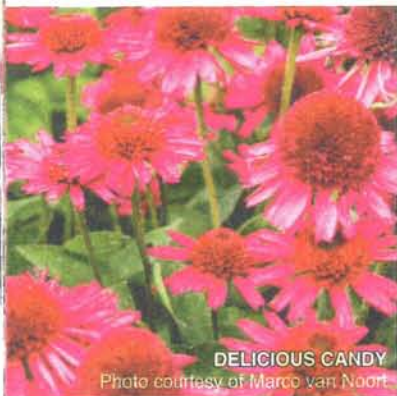
SUPREME™ CANTALOUPE

Supreme™ Cantaloupe

11641-(E. hybrida)-Zones 4-9 (P.P.24897)-*Showy double blooms with unique color.* The 'Supreme' coneflowers are a partnership release from Terra Nova Nurseries and Blooms of Bressingham featuring large flowers in unique colors on full, heavy-flowering plants with extra-long bloom seasons. This eye-catcher has apricot-orange, domed blooms. When young, the flowers resemble brown-eyed gerbera daisies. Grows 28 inches tall. ☉ 1 plant \$11.95; 3+ \$10.95 ea; 6+ \$10.50 ea

DOUBLE CONEFLOWER OFFER

11506 (X)-One each of Hot Papaya, Delicious Candy, Milkshake, and Supreme Cantaloupe (4 plants) for \$39.95



DELICIOUS CANDY

Photo courtesy of Marco van Noort

Delicious Candy

11590-(E. hybrida)-Zones 4-9-(PPAF) *A sweet summertime treat for the garden.* Delightful double blooms have a horizontal ring of fuchsia-pink petals surrounding full and fluffy pink centers. These compact plants are some of the first coneflowers to bloom in the season. Grows 18 to 24 inches tall. ☉ 1 plant \$12.95; 3+ \$11.95 ea; 6+ \$10.95 ea



GREEN JEWEL

Green Jewel

11497-(E. purpurea 'Green Jewel') Zones 3-8-(P.P.18678)-*Totally green flowers!* Green petals and deep green cones hold their intense color as they age and are pleasantly fragrant. Very floriferous 20 to 24 inch plants are compact with sturdy stems. ☉ 1 plant \$11.95; 3+ \$10.95 ea; 6+ \$10.50 ea

WILD FLOWER MIX



CHEYENNE SPIRIT

Cheyenne Spirit

Zones 4-9-(E. x 'Cheyenne Spirit')-*A dynamic mix of coneflower colors you can grow from seed.* Although each plant blooms in only one color, no matter what you get you're sure to be pleased. The color range of the 3 to 3½ inch blooms includes exquisite shades of cream, orange, purple, scarlet, yellow and white. Well-branched, compact, 18 to 24 inch plants are drought tolerant and so sturdy that they won't tip over, even during wind and rain. Low-maintenance plants require no deadheading to continuously flower from midsummer through fall. Perfect for everything from borders to mass plantings, butterfly gardens and more. Seed sown in January will produce flowering plants in June, or plant in summer for flowers next year. ☉ 1 plant \$11.95; 3+ \$10.95 ea; 6+ \$10.50 ea

08767 (A)-SEED: Pkt. (15 seeds) \$6.95
08767 (PL)-PLANTS: 1 plant \$7.95 ea; 3+ \$7.25 ea; 6+ \$6.95 ea

SINGLE CONEFLOWER COLLECTION

11508 (X)-One plant each of Glowing Dream, Fragrant Angel, Green Jewel, Cheyenne Spirit, and Big Kahuna, (5 plants) for \$48.95

Glowing Dream

11477-(E. x 'Glowing Dream') Zones 4-9-(P.P.24329)-*Intense color and amazing flower power.* The Dream™ Series of echinaceas developed by Terra Nova Nurseries is a "dream come true" for the landscape. Vibrant 3½ inch blooms are a phenomenal shade of watermelon-coral. Compact, drought tolerant plants bloom from June into September. Grows 24 inches tall and 20 inches wide. ☉ 1 plant \$12.95; 3+ \$11.95 ea; 6+ \$10.95 ea



GLOWING DREAM

Fragrant Angel

11541-(E. purpurea 'Fragrant Angel')-Zones 3-8 (P.P.16054)-*Other coneflowers can only aspire to the size of these huge, fragrant blooms!* The pure white flowers are often up to 7 inches across, each displaying a golden central cone and layered, overlapping petals that are held horizontally. The plants grow 24 to 30 inches tall. ☉ 1 plant \$11.95; 3+ \$10.95 ea; 6+ \$10.50 ea



FRAGRANT ANGEL



MILKSHAKE

Milkshake

11514-(E. purpurea 'Milkshake')-Zones 4-9 (P.P.20594)-*A creamy, double delight in just the right height.* Part of the Conefections™ series of coneflowers introduced by Plants Nouveau. White, reflexed ray petals surround yellow-green cones which gradually disappear as the blooms continually develop into gorgeous white pompons. The incredibly long-lasting flowers begin to appear in late June and are held on stems that won't flop over. Grow 30 to 36 inches tall and 24 to 36 inches wide. ☉ 1 plant \$11.95; 3+ \$10.95 ea; 6+ \$10.50 ea



BIG KAHUNA

Big Kahuna

11564-(E. hybrida)-Zones 4-9-(P.P.26159)-*A big, bold coneflower for your flower border.* Large 4½ inch blooms in a luscious shade of golden orange top sturdy stems beginning in July and continue until frost. Compact, upright plants produce an amazing number of the sweetly scented blooms over the season. The unique bloom color combined with the fragrance is sure to bring a touch of the tropics to your perennial garden. Grows 25 inches tall. ☉ 1 plant \$12.95; 3+ \$11.95 ea; 6+ \$10.95 ea



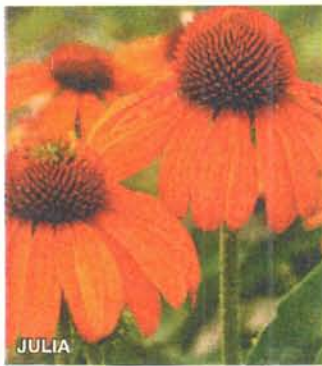
HOT PAPAYA

Hot Papaya

11486-(E. x 'Hot Papaya')-Zones 4-9-(P.P.21022) *Sensational visual impact!* Red-orange pompon blooms literally sizzle atop thick stems with maroon markings. The consistently double, non-fading, 3 inch flowers are accented with an interesting 'skirt' of petals in a slightly lighter shade that exactly matches the pompon center. Vigorous plants grow 30 to 36 inches tall. ☉ 1 plant \$12.95; 3+ \$11.95 ea; 6+ \$10.95 ea



CLEOPATRA



JULIA

More Spectacular Echinaceas

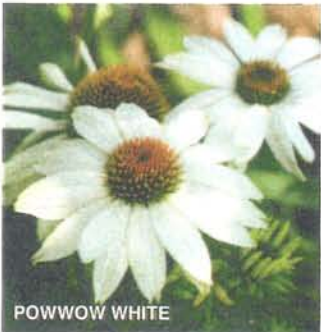
Butterfly™ Series

(E. hybrid)—Zones 4-9—*These compact coneflowers are like blooming machines!* Robust, heavily branched plants are filled with deep green foliage, grow only 16 to 18 inches tall and crank out loads of blooms, more than taller types. The super-bright, single blooms are present from June to September, attracting loads of pollinators. Perfect for butterfly gardens, the front of the border or anywhere you want a bright pop of summer-long color. ○ ▶ ♀

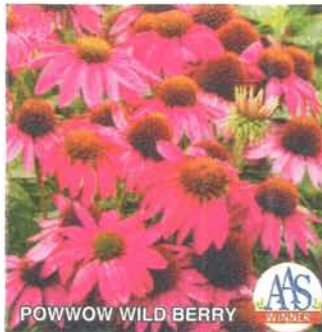
11638—CLEOPATRA—(P.P.24631)—Vibrant 3 to 3½ inch fragrant golden-yellow flowers with orange cones lighten to creamy-yellow as they age. Shares its name with a European butterfly of the same color.

11639—JULIA—(P.P.24629)—Large, 4 inch fragrant flowers open tangerine orange with copper cones and age to lovely golden orange. Named after a European butterfly which sports the same brilliant color.

PRICE OF BUTTERFLY™ ECHINACEAS (mix or match):
1 plant \$12.95; 3+ \$11.95 ea; 6+ \$10.95 ea



POWWOW WHITE



POWWOW WILD BERRY



PowWow Series

Zones 3-8—*These coneflowers are improved in every way!* Richer colors, earlier bloom, a longer flowering season and a neater, more compact plant habit are all advantages that make these first-year flowering coneflowers distinct improvements over older seed-grown varieties. The bushy 20 to 24 inch tall plants exhibit heavy branching that results in more flowers per plant. Blooms are produced continuously without deadheading. Seed sown in January will produce flowering plants in June, or plant in summer for flowers next year. ○ ▶ ♀

POWWOW WILD BERRY: Unique purplish-rose color stays bright and clean. 2011 AAS Winner.

08762 (A)—SEED: Pkt. (15 seeds) \$4.95

08762 (PL)—PLANTS: 1 plant \$5.95; 3+ \$5.35 ea; 6+ \$4.95 ea

POWWOW WHITE: White with gold centers.

08764 (A)—SEED: Pkt. (15 seeds) \$4.95

08764 (PL)—PLANTS: 1 plant \$5.95; 3+ \$5.35 ea; 6+ \$4.95 ea



LUCKY MELODY

Lucky Melody® Eupatorium

11667—(Eupatorium [Eutrochium] rugosum 'Allmelody')—Zones 4-8 (PPAF)—*A new look for Eupatorium.* Naturally dwarf plants bear clusters of airy, pure white flowers instead of the typical purple and pink. Compact plants have an upright growth habit and bloom from late summer into fall with stems perfect for cutting. Grows 30 to 36 inches tall. A deer resistant selection perfect for the back of the perennial border. ○ ▶ ♀
1 plant \$7.95; 3+ \$7.25 ea; 6+ \$6.95 ea

Hardy Ferns For Shade

Zones 3-8—The graceful foliage of hardy ferns will enhance any shaded to partially shaded landscape. They provide lush cover with little care and will thrive in many locations where other plants fail. Plant crowns 1 inch below ground level in light, highly organic soil and mulch to preserve moisture. Bareroot crowns. ▶ ●

11708—LADY—(Athyrium filix-femina)—Lady, finely cut lacerated leaves of bright green. Tolerates partial sun. Easy to grow. 2 to 3 feet tall.

11752—CLAYTON or INTERRUPTED—(Osmunda claytoniana)—Arching, lance-shaped, woolly foliage of light green. Outer fronds are larger than fronds at the center of the plant. 2 to 3 feet tall. (Not pictured).

11750—CINNAMON—(Osmunda cinnamomea)—Brown 'cinnamon stick'-like fertile fronds are circled by lance-shaped, deeply cut, pale green outer fronds. Average height 3 feet, taller in wet soil. (Not pictured).

11704—MAIDENHAIR—(Adiantum pedatum)—Lacy, circular, soft green fronds on black stems. 12 to 18 inches tall.

11770—OSTRICH—(Matteuccia struthiopteris)—Our tallest fern. Bright green feathery fronds arch gracefully. Will grow in full sun with ample moisture. 3 to 5 feet tall.

PRICE OF HARDY NATIVE FERNS (per variety):
1 plant \$5.95; 3+ \$5.35 ea; 6+ \$4.95 ea;
10+ \$4.65 ea



LADY



MAIDENHAIR



OSTRICH



LADY IN RED



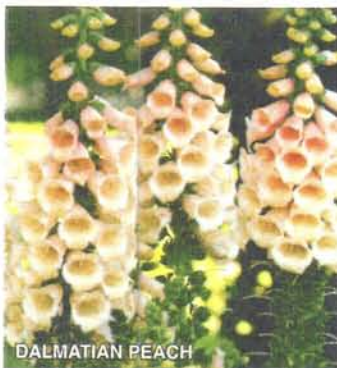
RED BEAUTY

Lady in Red Fern

11707—(Athyrium filix-forma 'Lady in Red') Zones 3-8—*Striking red stems!* The fronds of this Lady fern relative display vibrant burgundy stems that offer brilliant contrast to the deep green lacy leaflets. The elegant plants grow 30 to 36 inches tall and wide. NOTE: It may take 2 to 3 years for the stem color to fully develop. 3 inch pots. ▶ ●
1 plant \$8.95; 3+ \$8.25 ea; 6+ \$7.95 ea

Red Beauty Fern

11706—(Athyrium niponicum 'Red Beauty')—Zones 4-8—*Tri-colored fronds.* Silver and burgundy variegated fronds are similar to Japanese Painted fern, but stems and central veins are a much brighter red. Grows 14 to 18 inches tall and up to 30 inches wide. 3 inch pots. ▶ ● 1 plant \$7.95; 3+ \$7.25 ea; 6+ \$6.95 ea



DALMATIAN PEACH

Dalmatian Peach Foxglove

11465—(D. purpurea 'Dalmatian Peach') Zones 4-9—*Elegant vertical accents create a 'cottage garden' look.* Beginning in early summer, low mounds of basal foliage send up vertical spikes filled with florets in shades of peaches and creams. Requires no staking. A first-year flowering perennial. Allow a few spikes to reseed to ensure that you're never without their loveliness. Grows 20 to 24 inches tall. ○ ▶ 1 plant \$8.95; 3+ \$8.25 ea; 6+ \$7.95 ea



ARIZONA SUN

Arizona Sun Gaillardia

(G. x grandiflora)—Zones 2-10—*Abundant blooms all summer and virtually care-free!* Compact, mounded plants produce masses of bicolor brick red flowers with yellow edges, loving heat and thriving in dry spells. Flowers the first year from seed without a cold period and will bloom until frost with occasional deadheading. The well-branched plants grow 10 to 12 inches high and wide. 2005 AAS and Fleuroselect Gold Medal Winner. ○ ▶ ♀
08779 (A)—SEED: Pkt. (50 seeds) \$3.95
08779 (PL)—PLANTS: 1 plant \$4.95; 3+ \$4.25 ea; 6+ \$3.95 ea

To place an order, go to www.jungseed.com or call 1-800-247-5864

J. W. Jung Seed Co. — 17 —

EXHIBIT #2

MICHIGAN BULB CATALOG PRAIRIE GRASSES AVAILABLE

Easy-Care Beauty!

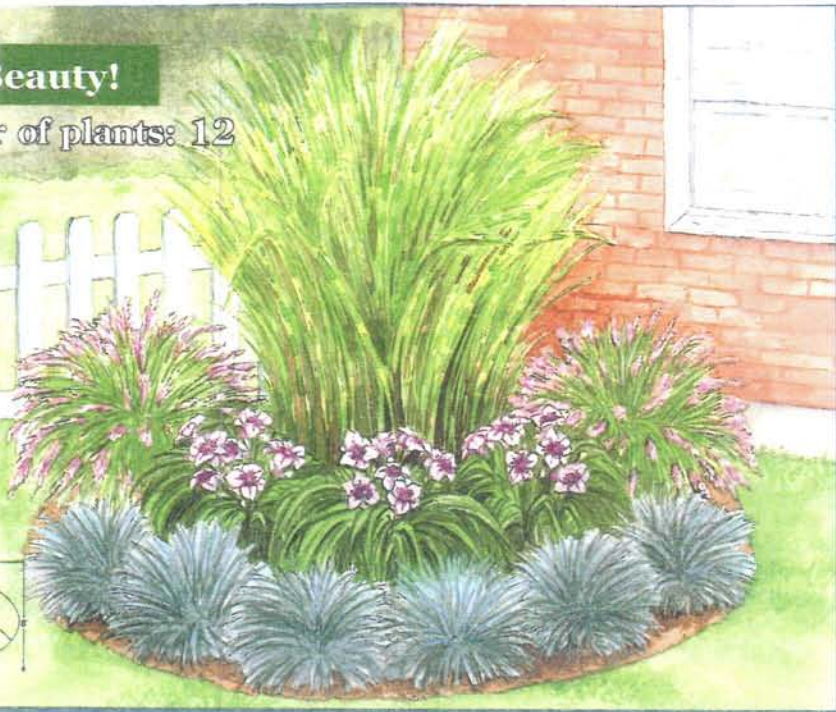
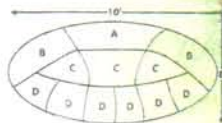
Total number of plants: 12

Create a sense of beauty and movement in your landscape with our professionally designed Corner Grass Garden. Zebra Grass provides the central focus, supported by Rose Fountain Grasses on either side. MacBeth Daylily and Blue Festuca Grass introduce colorful highlights that complete this low-maintenance garden. **Light:** Full sun **Zones:** 5-8

05045 Corner Grass Garden

(12 plants) ~~\$59.99 ea.~~ **\$29.99**


- A - 1 Zebra Grass
- B - 2 Rose Fountain Grass
- C - 3 MacBeth Daylily
- D - 6 Blue Festuca Grass



Zebra Grass

Zebra Grass

Great as an Accent or Group Planting


Zebra Grass is noted for its showy, yellow, horizontal bands that gleam in the sunlight. Silvery-white plumes rise above the foliage in late summer and last all winter. **Light:** Full sun to partial shade **Blooms:** Late summer **Height:** 4-7' **Zones:** 4-9 **Size:** 2" pot *Not available in FL* 

08972 ~~\$9.99 ea.~~ **\$4.99 ea.**



Blue Festuca Grass

Strikingly Unusual!

Perfect for rock gardens, borders, beds and along paths. Group together for an attractive ground cover! Space 12" apart. **Light:** Full sun **Blooms:** Summer **Height:** 8-12" **Zones:** 4-8 **Size:** 2" pot 
86239 ~~\$4.99 ea.~~ **\$2.49 ea.**

Rose Fountain Grass

Easy to Maintain

Ribbonlike blades pour from the center of a bright rose-colored fountain. Its color changes with the seasons, from rose in midsummer to golden brown when the weather gets cooler. **Light:** Full sun to partial shade **Blooms:** Mid to late summer **Height:** 24-32" **Zones:** 5-9 **Size:** 2" pot 
79352 ~~\$4.99 ea.~~ **\$2.49 ea.**



Rose Fountain Grass

04687 Cherry Sparkler Fountain Grass

Showy red-purple plumes. Its narrow, ribbon-like foliage has a burgundy midvein and hot pink margins. **Height:** Up to 4' tall **Zones:** 3-10 (hardy in 9-10, treat as annual in other zones) **Size:** 2" pot ~~\$9.99 ea.~~ **\$4.99 ea.**



Cherry Sparkler Fountain Grass

JUNG CATALOG

SWITCH GRASSES AVAILABLE



TOTEM POLE



SMOKE SIGNAL



SHENANDOAH



KOREAN FEATHER REED



ELIJAH BLUE



INDIAN WARRIOR

Hardy Ornamental Grasses

Hardy grasses add structure and texture to perennial plantings. They are generally easy to maintain, requiring only an annual shearing before spring growth starts. Allow 2 to 3 years for them to grow to their full potential.

Totem Pole Switch Grass

17153—(*Panicum virgatum* 'Totem Pole') Zones 4-9—(PPAF)—*A spectacular vertical accent that commands attention.* Steel blue foliage forms columns that grow up to 6 feet tall, yet maintain a narrow upright habit. In early fall, golden seed panicles explode from the top of the clump adding even more drama to this tremendous native grass. The tall blades remain standing through winter unless heavy snows occur. Ideal for both screen and specimen plantings. Deer resistant and drought tolerant. ○

1 plant \$9.95; 3+ \$9.15 ea; 6+ \$8.75 ea

Elijah Blue Fescue Grass

11982—(*Festuca glauca* 'Elijah Blue')—Zones 4-8—*Ideal for contrast in borders and edgings.* Powdery-blue spiky foliage forms small, rounded, 8 to 10 inch tufts. Dainty flower stalks turn from blue-green to buff. Durable, heat tolerant and long-lived. Likes dry soil and good drainage. ○

1 plant \$7.95; 3+ \$7.25 ea; 6+ \$6.95 ea

Smoke Signal Little Bluestem

12021—(*Schizachyrium scoparium* 'Smoke Signal')—Zones 3-9—(P.P.27433)—*Deep red-purple fall color is absolutely gorgeous.* Watch with delight as this grass slowly morphs from an attractive blue-green in spring to scarlet-red shades in the summer and finally deep red-purple tones come fall. The top half of the foliage holds tiny tan seedheads late in the season and keeps its upright form through the fall and into winter. Grows 3 to 4 feet tall with a 2 foot spread. ○

1 plant \$9.95; 3+ \$9.15 ea; 6+ \$8.75 ea

Shenandoah Red Switch Grass

12132—(*Panicum virgatum* 'Shenandoah') Zones 4-9—*Displays fiery burgundy fall color.* Green in early summer, the leaves take on dark red hues by July and turn wine-colored by September. Reddish flowerheads appear in midsummer. Grows 36 to 48 inches tall and about 36 inches wide. Plant in rich, well-drained soil. ○

1 plant \$8.95; 3+ \$8.25 ea; 6+ \$7.95 ea

Korean Feather Reed Grass

17111—(*Calamagrostis brachytricha*)—Zones 4-9—*Bears fluffy plume beginning in late summer, even in partial shade.* Unlike many large grasses, this Asian native is well-adapted to partially shaded, woodland areas. Forms an upright clump of green foliage 36 inches tall and up to 3 inches wide, bearing its 12 inch airy plumes just above the arching blade. In sunny locations the habit will be tighter and the pink-tinged plume more profuse. Hardy and quite adaptable. ○

1 plant \$7.95; 3+ \$7.25 ea; 6+ \$6.95 ea

Indian Warrior Big Bluestem

11960—(*Andropogon gerardii* 'Indian Warrior')—Zones 3-9—(P.P.2499)—*This stately specimen stands straight and tall all summer long an into fall.* The thin blades of this imposing native cultivar begin green before taking on purplish tones in midsummer. As cool weather arrives in autumn, the plant transitions to full purple. Bears three-branched, deep purple inflorescences on reddish stems in late summer. Great for screen and naturalizing. Grows 5 to 6 feet tall and 18 to 24 inches wide. ○

1 plant \$11.95; 3+ \$10.95 ea; 6+ \$10.50 ea



MICHIGAN BULB CATALOG

NEW

- | | |
|------------------------|-------------------------|
| 6 - Asiatic Lilies Mix | 3 - Dwarf Daylilies Mix |
| 12 - Liatris Mix | 3 - Coneflowers Mix |
| 3 - Columbine Mix | 3 - Asclepias Mix |



Butterfly Garden Kit

30 Plants that Butterflies Love

It's easy to create a garden that butterflies love with our Butterfly Garden Kit. This kit contains 30 perennials that will fill a 5' x 8' flowerbed and attract butterflies for months. It's perfect for the homeowner who wants to create a new flowerbed, the beginner gardener or even to give as a gift. All the perennials are easy care—and all produce colorful flowers that you and the butterflies will enjoy.

Light: Full sun to partial shade **Height:** Varies **Blooms:** Late spring to late summer **Zones:** 5-9 **Size:** Varies

69139 ~~30/\$39.99~~ 30/\$19.99



Nonstop Flowers from Spring to Fall

Total number of plants: 30 All FOR ONLY \$49.99

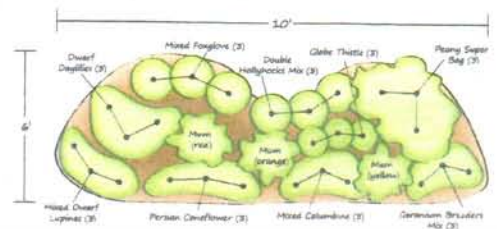
Even experienced gardeners can find it challenging to design a perennial garden where something is in bloom during every season. But our Endless Bloom Perennial Garden makes it easy. We've carefully coordinated the blooming times so you'll have nonstop flowers from spring through fall. Spring brings pretty primroses, followed all summer by a host of colorful favorites, and ending with cushion mums in fall. This 10' x 6' garden includes 30 plants that take just a few hours to plant and return bigger every year. Prefers sun or partial shade. **Zones:** 4-7

66901 Beginner's Endless Bloom Perennial Garden

~~30/\$99.99~~ 30/\$49.99 ea.



- | | |
|-------------------------|--------------------------|
| 3 Mixed Columbine | 1 Red Cushion Mum |
| 3 Mixed Foxglove | 3 Peony Super Bag |
| 3 Mixed Dwarf Lupines | 3 Geranium Breeders' Mix |
| 3 Double Hollyhocks Mix | 3 Persian Cornflower |
| 1 Yellow Cushion Mum | 3 Globe Thistle |
| 1 Orange Cushion Mum | 3 Dwarf Daylilies |



Pre-Planned Garden



Grow Your Own Floral Arrangements

NEW

Total number of plants: 70 All FOR ONLY \$24.99

Love fresh flower arrangements for your own home or to share? Our Carefree Cutting Garden is a self-contained garden that will fill a 4'x6' space. The garden includes perennials that bloom from late spring to late summer and produce flowers on sturdy stems that are perfect for cutting. This 70-plant garden will also attract butterflies and pollinators. Easy to grow and fast growing, the Carefree Cutting Garden is perfect for the beginning gardener or any gardener who wants to take the guesswork out of gardening. The Carefree Cutting Garden also makes a great gift.

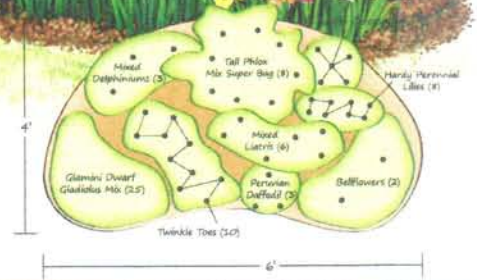
Zones: 4-9

66892 Carefree Cutting

Garden ~~70/\$49.99~~ **70/\$24.99**



- | | |
|--------------------------|--------------------------------|
| 8 Tall Phlox | 2 Bellflowers |
| 6 Mixed Liatris | 3 Mixed Delphiniums |
| 10 Twinkle Toes | 25 Glamini Dwarf Gladiolus Mix |
| 5 Lucifer Crocosmia | 3 Peruvian Daffodils |
| 8 Hardy Perennial Lilies | 3 Gladiolus Mix |
| | 3 Bellflowers |



It's easy to save water while beautifying your landscape. Our Drought Tolerant Garden contains 15 plants that are easy care and drought tolerant. Designed to fill a 4'x8' flowerbed, it's an easy solution for a new flowerbed that's both colorful and water sipping.

Light: Full sun

Height: Varies

Blooms: All summer.

Zones: 5-9 Size: Varies

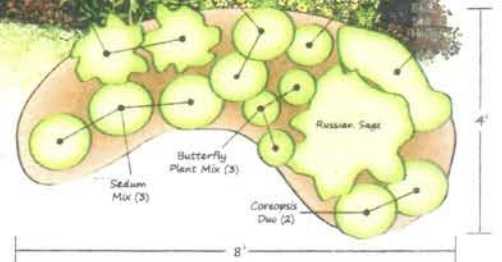
69201 Drought

Tolerant Garden

~~15/\$49.99~~ **15/\$24.99**



- | | |
|------------------------------------|-----------------------|
| 1 - Blue Sea Holly | 2 - Black Eyed Susans |
| 1 - Maximilian Perennial Sunflower | 2 - Coreopsis Duo |
| 3 - Butterfly Plant Mix | 3 - Sedum Mix |
| 2 - Purple Coneflowers | 1 - Russian Sage |

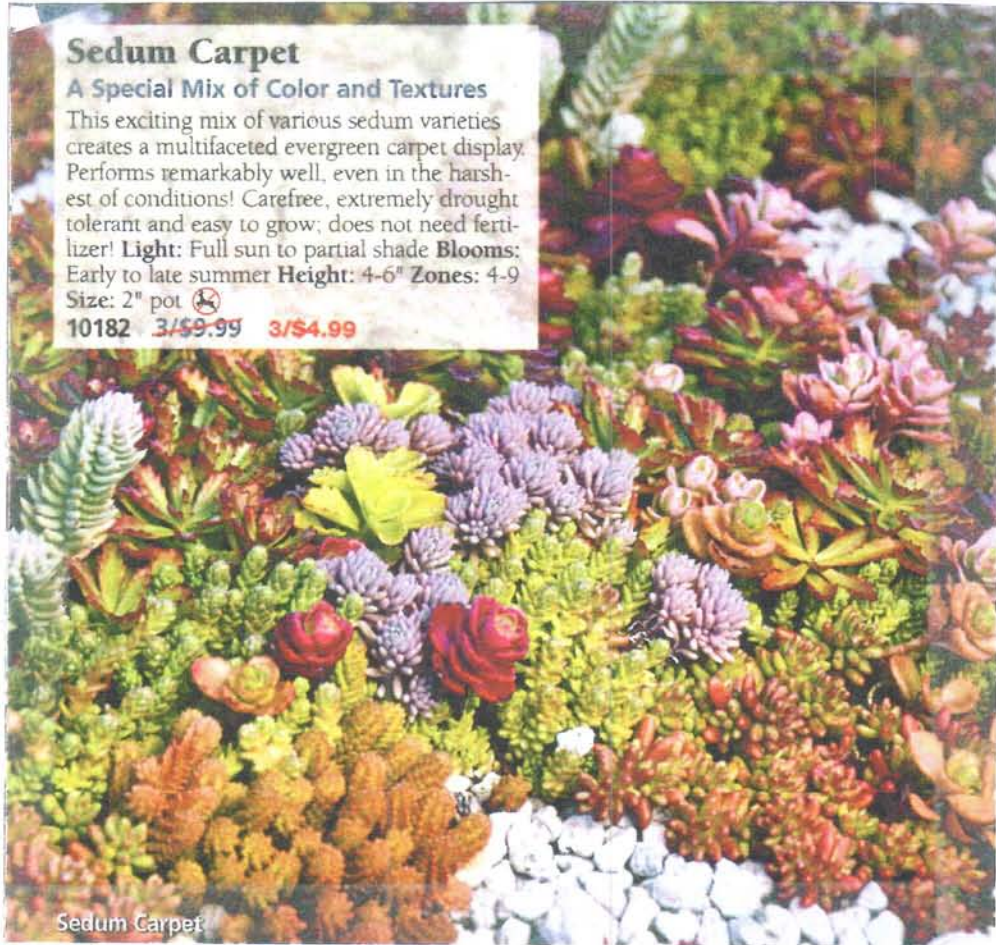


Sedum Carpet

A Special Mix of Color and Textures

This exciting mix of various sedum varieties creates a multifaceted evergreen carpet display. Performs remarkably well, even in the harshest of conditions! Carefree, extremely drought tolerant and easy to grow; does not need fertilizer! **Light:** Full sun to partial shade **Blooms:** Early to late summer **Height:** 4-6" **Zones:** 4-9
Size: 2" pot 

10182 ~~3/\$9.99~~ 3/\$4.99



Sedum Carpet