BOROUGH OF NEWTOWN NEWTOWN, CONNECTICUT

Minutes of the regular meeting of the Borough of Newtown Board of Burgesses on **Tuesday, April 10, 2018** in the Borough Office at Edmond Town Hall, Newtown, CT. Warden Gaston called the meeting to order at 7:39 p.m.

<u>Present</u>: Warden James Gaston, Senior Burgess Jay Maher, Second Senior Burgess Betsy Kenyon, Burgess Chris Gardner, Tax Collector Jodie Enriquez, Treasurer Paula Brinkman and Clerk Ann Scaia

Absent: Burgess Bill Lucas, Burgess Anthony Baiad and Tree Warden Rob McCulloch

Also Present: 3 members of the public.

<u>Second Senior Burgess Kenyon made a motion to accept the February 13, 2018 regular meeting minutes,</u> seconded by Senior Burgess Maher. Motion passed.

<u>Public Participation</u>: Jane Sharpe, 62 Underhill Road, Sandy Hook, of the Town & Country Garden Club presented a proposal for a Xeriscaping garden for Island #2 found at the intersection of Queen Street and Glover Avenue. The proposed Xeriscaping requires less watering and accommodates the shaded setting of the island. Ms. Sharpe outlined a two-year plan for executing the new design. Many donations from local businesses have been received to defray the cost. Ms. Sharpe stated funding may need to occur in 2019. Efforts to date and a blueprint of the island are included in these minutes.

Warden's Report: Warden Gaston had nothing new to report.

Tree Warden's Report: No report due to Rob McCulloch's absence.

<u>Tax Collector's Report</u>: Tax Collector Enriquez reported the following for February 2018: Total Taxes Due for the List of 2016: \$189,621.73; Current Taxes: \$186,386.62; Back Taxes: (\$1,704.02); Interest: \$1,087.02; Liens & Fees: \$192.00. Total Submitted to Treasurer to Date: \$187,725.00. Current Taxes Collected: \$186,386.62 representing 98.2%.

Burgess Gardner made a motion to accept the Tax Collector's Report for February 2018, seconded by Second Senior Burgess Kenyon and unanimously approved.

Tax Collector Enriquez reported the following for March 2018: Total Taxes Due for the List of 2016: \$189,421.40; Current Taxes: \$186,386.62; Back Taxes: (\$1,704.02); Interest: \$1,087.02; Liens & Fees: \$192.00. Total Submitted to Treasurer to Date: \$188,125.00. Current Taxes Collected: \$186,386.62 representing 98.2%.

Burgess Gardner made a motion to accept the Tax Collector's Report for March 2018, seconded by Second Senior Burgess Kenyon and unanimously approved.

<u>Treasurer's Report</u>: Treasurer Paula Brinkman read the February 2018 report: A \$457.00 deposit was made from Zoning Officer Maureen Crick Owen. A \$800.00 deposit was made from Tax Collector Jodie Enriquez maintaining a total of \$187,725.00. A transfer of \$14,000.00 was made to cover last month's invoicing. Interest on the 12 mo. CD was \$61.78 making a total of \$75,152.62.

Burgess Gardner made a motion to accept the Treasurer's Report for February 2018, seconded by Senior Burgess Maher and unanimously approved.

Treasurer Paula Brinkman read the March 2018 report: A \$87.26 deposit was made for miscellaneous property tax. A \$400.00 deposit was made from Tax Collector Jodie Enriquez maintaining a total of \$188,125.00. A transfer of \$7,000.00 was made to cover last month's invoicing. Interest on the 12 mo. CD was \$113.70 making a total of \$75,266.32.

<u>Second Senior Burgess Kenyon made a motion to accept the Treasurer's Report for March 2018</u>, seconded by Senior Burgess Maher and unanimously approved.

<u>Senior Burgess Maher made a motion to transfer \$250.00 from Contingency to Auxiliary</u>, seconded by Second Senior Burgess Kenyon and unanimously approved.

Second Senior Burgess Kenyon made a motion to transfer \$14,853.41 from Sidewalks to Fire Hydrants, seconded by Senior Burgess Maher and unanimously approved.

Burgess Gardner made a motion to transfer \$5,000.00 from Trees & Maintenance to Legal Fees, seconded by Second Senior Burgess Kenyon and unanimously approved.

Burgess Gardner made a motion to transfer \$2,509.60 from Street Lights to Legal Fees, seconded by Second Senior Burgess Kenyon and unanimously approved.

Zoning Officer's Report: Nothing to report. A replacement is currently being investigated.

Historic District: Burgess Kenyon had nothing new to report.

<u>Sidewalks</u>: Senior Burgess Maher acquired a proposal for engineer drawings for the proposed sidewalk on Rt. 302 from the design firm currently working on the design of South Main Street. The estimate came is at \$65,000.

<u>Streets & Parks:</u> Senior Burgess Maher reported he will acquire a quote from Rob McCulloch to clean up an area on Church Hill Road as you approach The Newtown Bee offices.

<u>New Business</u>: Burgess Eder inquired about the lack of flag at the war memorial monument on Main Street. It was suggested he contact the VFW to discuss replacing the flag and possibly repairing the flagpole. Senior Burgess Maher noted he would assist in having the spotlight put back in working order.

<u>Old Business</u>: Due to the retirement of Senior Burgess Joan Crick, Second Senior Jim Maher will now take on the role of Senior Burgess and Burgess Betsey Kenyon will now take on the role of Second Senior Burgess. Bill

Eder, of 58 Mt. Pleasant Road, attended the meeting to propose filling the vacancy of a burgess due to the retirement of Joan Crick. He presented his experience and his resume for the Board's review.

Burgess Gardner made a motion to appoint Bill Eder as Burgess on the Borough of Newtown Board of Burgesses, seconded by Senior Burgess Maher and unanimously approved.

Warden Gaston swore in Bill Eder after he was voted in as a Board member filling the Joan Crick vacancy.

<u>Budget:</u> Warden Gaston presented the proposed budget for 2018-2019 and line items were discussed individually. Several figures were adjusted and the Proposed Mill Rate for 2018-2019 is 1.49%.

Senior Burgess Maher made a motion to present the proposed budget for approval at the May 8, 2018 meeting of property owners and/or electors, seconded by Burgess Gardner and unanimously approved.

Public Participation: None.

A meeting of the property owners and/or electors of the Borough of Newtown will be held on May 8, 2018 at 7:30 p.m. in the Borough Office at Edmond Town Hall for the purpose of voting on the proposed budget for the fiscal year 2018-2019. The regular meeting of the Board of Burgesses will be held immediately following the meeting of property owners.

There being no further business, Second Senior Burgess Kenyon made a motion to adjourn the meeting at 9:32 p.m., seconded by Senior Burgess Maher and unanimously approved.

Respectfully submitted,

Ann Scaia Borough Clerk

NEWTOWN BOROUGH TAX

MONTHLY REPORT FOR:	FEBRUARY 2018	
TOTAL TAXES DUE FOR GRAND LIST 2	2016:	\$189,621.73
AMOUNTS COLLECTED TO DATE:		
CURRENT TAX: BACK TAXES: INTEREST: LIENS & FEES:	\$	\$1,704.02 \$1,087.02 \$192.00
TOTAL COLLECTED TO DATE:	\$	189,369.66
REFUNDS PD IN PRIOR YF CURRENT REFUNDS: CURRENT ADJUSTMENTS		\$1,188.70 \$199.65 (\$485.66)
TOTAL SUBMITTED TO TREASURER TO	O DATE: \$	187,725.00
TAX COLLECTION SUMMARY:		
CURRENT TAXES COLLECTED:	\$	186,386.62 98.2%
CURRENT TAXES PENDING: OVERPAYMENTS:		\$3,235.11 1.7% (\$149.32) \$3,085.79
NOTE: BACK TAXES OUTSTANDING FOR LIST CREDIT FRO	2015 AND PRIOR: M PRIOR YEARS	\$675.14 (\$19.48) \$655.66
DATE: 13-Mar-18		
	SIGN: BOROUGH	TAX COLLECTOR

NEWTOWN BOROUGH TAX

MONTHLY REPORT FOR:	MARCH 2018		
TOTAL TAXES DUE FOR GRAND LIST 2	016:		\$189,421.40
AMOUNTS COLLECTED TO DATE:			
CURRENT TAX: BACK TAXES: INTEREST: LIENS & FEES:		\$186,386.62 \$1,704.02 \$1,087.02 \$192.00	
TOTAL COLLECTED TO DATE:		\$189,369.66	
REFUNDS PD IN PRIOR YF CURRENT REFUNDS: CURRENT ADJUSTMENTS		\$1,188.70 \$199.65 (\$485.66)	
TOTAL SUBMITTED TO TREASURER TO	D DATE:	\$188,125.00	
TAX COLLECTION SUMMARY:			
CURRENT TAXES COLLECTED:		\$186,386.62	98.3%
CURRENT TAXES PENDING: OVERPAYMENTS:		\$3,034.78 (\$149.32) \$2,885.46	1.6%
NOTE: BACK TAXES OUTSTANDING FOR LIST CREDIT FRO	2015 AND PRIOR: M PRIOR YEARS		\$675.14 (\$19.48) \$655.66
DATE: 10-Apr-18			
	SIGN:_ I	BOROUGH TAX COLLECTO	OR

Borough of Newtown

Newtown, CT Monthly Treasurer's Report For month ending February 28, 2018

Beginning Balance (February 1, 2018) \$447,550.15

OPERATING ACCOUNT (#673)

Income (Deposits)

Date Description Amount

Feb 14, 2018 Tax Collector (YTD: \$187,725) \$800.00

Feb 14, 2018 Maureen Crick Owen (BZE) \$457.00

Interest income (February 28 ,2018) \$17.02

Total Income \$1,274.02

Expenses (checks written)

Date Payable To Description Amount

Feb 15, 2018 Treasurer's Acct (331) check #254 \$14,000.00

Total Expenses \$14,000.00

Ending Cash Balance (February 28, 2018) \$434,824.17

Outstanding Checks Payable To Description Amount

Total Outstanding Checks \$0.00

RECONCILED BANK BALANCE (February 28, 2018) \$434,824.17

12 MONTH CD ACCOUNT (#814) Matures 2/14/19 \$75,090.84

Interest income (February 28, 2018) Interest: 1.80 APY \$61.78

TOTAL \$75,152.62

Respectfully submitted on March 13, 2018

Pan Ca Brinkman

Borough of Newtown

Newtown, CT

Monthly Treasurer's Report For month ending March 31, 2018

Beginning Balance (March 1, 2018)			\$434,824.17
OPERATING ACCOUNT (#673)			
Income (Deposits) Date	Description		Amount
Mar 15, 2018 Mar 15,2018 Mar 15,2018	Tax Collector (YTD: \$188,125) Frontier - property tax Level 3 - property tax		\$400.00 \$84.40 \$2.86
Interest income (March 31, 2018)			\$19.00
Total Income			\$506.26
Expenses (checks written) Date Mar 15, 2018	Payable To Treasurer's Acct (331)	Description check #255	Amount \$7,000.00
Total Expenses			\$7,000.00
Ending Cash Balance (March 31, 2018	()		\$428,330.43
Outstanding Checks	Payable To	Description	Amount
	Total Outstanding Chec	cks	\$0.00
RECONCILED BANK BALANCE (Mar	ch 31, 2018)		\$428,330.43
12 MONTH CD ACCOUNT (#814	Matures 2/14/19		\$75,152.62
Interest income (March 31,2018)	Interest: 1.80 APY		\$113.70
TOTAL			\$75,266.32

Respectfully submitted on April 10, 2018

Paula Buntinan

BOROUGH OF NEWTOWN NEWTOWN, CONNECTICUT

Notice is hereby given that the Borough Meeting of the property owners and/or electors of the Borough of Newtown will be held at 7:30 PM on May 15, 2018, at Edmond Town Hall, 45 Main Street, Newtown, CT for the purpose of voting on the proposed budget for the fiscal year 2018-19. Estimated Budget recommended by the Board of Burgesses of the Borough of Newtown is hereby set below in accordance with the General Statutes of the State of Connecticut.

	Expenditure <u>2016-2017</u>	Estimated Budget 2017-2018	Proposed Budget <u>2018-2019</u>
ADVERTISING	\$ 1,983	2,500	3,000
AUDIT	6,000	5,900	6,100
AUXILLIARY HEL	.P 4,384	3,000	7,000
BONDS & INSUR	. 120	250	250
CULTURAL ARTS	6 0	2,000	0
CONSULTING	0	0	5,000
CONTINGENCY	3,342	1,500	3,500
DATA PROCESS	ING 2,414	3,500	3,500
ELECTION	7,500	0	7,500
FIRE HYDRANT	60,783	63,000	64,000
FIRE DEPT	6,500	6,500	6,500
HEALTH DISTRIC	CT 0	10	10
HISTORIC DISTR	RICT 0	100	5,000
LEGAL FEES	7,500	10,000	50,000
SIDEWALKS	15,650	15,000	5,000
STREET LIGHTS	29,572	28,500	30,500
OFFICE MAINT 8	S 3,112	3,000	3,500
TREES AND MAI	NT 6,874	5,000	5,000
SOLDIERS & SAI	LORS 0	10	10
STREETS & PAR	KS 10,801	7,000	4,000

	Expenditure	Estimated Budget	Proposed Budget
FLAGPOLE	0	100	1,000
SOCIAL WORK	0	10	10
ASSESSOR	2,250	2,250	2,250
CLERK	4,500	4,500	4,500
TAX COLLECTOR	4,200	4,200	4,200
TREASURER	4,000	4,000	4,000
WARDEN	2,500	2,500	2,500
BUILDNG OFFICIA	L 4,000	4,000	4,000
CONSERV. DIR.	1,000	1,000	1,000
ENGINEER	1,800	1,800	1,800
BUILDING CLERK	4,200	4,200	4,200
ZONING OFFICER	5,000	5,000	5,000
TREE WARDEN	2,500	2,500	2,500
PAYROLL TAXES	2,757	3,000	3,000
EDMOND TOWN H	d 3,500	3,500	5,000
SPECIAL ASSESS	MENT		100,000
\$	208,742	200,830	354,330
Revenue Anticipate	ed From Prior Ye	ar \$ 1,00	00
Building Revenues	Anticipated	5,00	00
Interest		1,00	0

\$ 7,000

Total Revenues Anticipated

Money to be Raised from Taxes \$354,330 - \$7,000 = \$347,330

98.0% Tax Collection Rate

 $1.02 \times $347,330 = $354,276$

354,276 divided by 238,554,081 (1000's Grand List – Mill) = 1.49

2018-2019 Proposed Mill Rate = 1.49

Note: Pre-Revaluation

2013-2014 MILL RATE - 0.89

2014-2015 MILL RATE - 0.87

2015-2016 MILL RATE - 0.85

2016-2017 MILL RATE - 0.86

2017-2018 MILL RATE - 0.85

James O. Gaston

Warden, Borough of Newtown

BOARD OF BURGESSES

Betsy Kenyon, Burgess

Joseph M Maher, III, Burgess

Anthony P. Baiad, Jr., Burgess

Christopher Gardner, Burgess

William J, Lucas, III, Burgess

58 Mount Pleasant Road Newtown, CT 06470-1544 PHONE/FAX: 203-426-4005 E-MAIL: weder4005@charter.net

CAREER SUMMARY

Process oriented problem solver with a wealth of knowledge in the delivery of complex business solutions and a record of accomplishments in advertising, print production, publishing, brand management and sales. Skilled at contract negotiation, cost containment & reduction.

An energetic leader and conceptual thinker with excellent oral and written communication skills and a reputation for integrity, quality, strong project management and logistics skills with a team-oriented focus.

Driving/Aide experience:

- July 2014 February 2016, Education Connection (now EDAdvance), Litchfield, CT, STV driver for special needs students from Newtown, CT
- March 2012 June 2014, MTM Transportation, Inc., Newtown, CT,
 - o August 2013 June 2014, STV driver for special needs students
 - o March 2012 July 2013, Aide in special needs students' vans/buses
- 1998/1999
 - o Drove Part time (weekends) as a "fallback" driver for Regency Limo in Wilton, CT.

Skills/Certifications:

- Ability to get along well with all individuals
- Excellent driver who really enjoys driving
- Red Cross Adult & Pediatric First Aid/CPR

PREVIOUS PROFESSIONAL BUSINESS EXPERIENCE

- October 2006 March 2008 & December 2009 September 2013, Full Circle Consultants LLC, Newtown, CT, Principal & Owner,
- March 2008 December 2009, Nordic American Smokeless Inc., Danbury, CT, Vice President, Marketing & Sales,
- 1983 2006 -- U. S. Smokeless Tobacco Company (UST, Inc) and concurrently Babco Associates, Ltd. (sub. of UST)
 - 1996 2006 Director, Marketing Services (UST), V-P (Babco) and Publisher, Heartland USA®
 - o 1993 1996 Manager, Marketing Services, (UST); V-P (Babco)
 - o 1983 1993 Manager, Advertising, (UST); President, (Babco) and Advertising Manager, Heartland USA®
- 1979 1983, Warwick Advertising, New York, NY, Sr. Acct. Exec, all brands, U. S. Tobacco Company account,
- 1964 1979 William Esty Company, New York, NY
 - o 1972 1979 Sr. Acct. Exec, Salem cigarettes account, R. J. Reynolds Tobacco Company,
 - o 1964 1972, Assistant Business Manager, Broadcast Production,
- April 1972 December 1972, Lionel Leisure City, Nanuet, NY, Warehouse Manager, Assistant Store Manager,

EDUCATION

Attended Bronx Community College-evenings-1964 through 1969

CONTINUING EDUCATION AND TRAINING

UST Training:

Leadership Development Program '00; Time Management '02; Coaching Skills '02; Presentation Skills '02; Dialogue Works '02; Selecting the Best '05; UST Team Systems '05

COMPUTER SKILLS:

Proficient in Word®, Excel®, PowerPoint®; knowledgeable in Publisher®, Adobe Illustrator® and Photoshop®

COMMUNITY ACTIVITIES AND ORGANIZATION MEMBERSHIP

- Board Member Junior Achievement of Southwest CT 1984-2010;
 - Chairman 1989-1990
 - O Vice-President of Applied Economics Program 1985-1986

Meeting with Burgesses of Borough of Newtown March 13, 2018

Town & Country Garden Club
Traffic Island #2 Team Members:

Jane Sharpe - Island Captain
Project Co-Chairmen
Kathryn Simonds, Peggy Townsend
Lina Williams, Barbara O'Connor

FFFORTS TO DATE

- 1. The traffic island didn't win a National Garden Club grant this year.
- 2. We have a two-year plan.
 - A. Increase curb height, loosen soil, add topsoil and amendments, lay out masonry path, scrub and re-paint bench this year.
 - B. Plant shrubs, plants and chips in second year.
- 3. Watering will be a critical issue in second year.
- 4. Donations to date:
 - A. Roo Simonds drafting and architectural support, free
 - B. Planter's Choice shrubs and flowers, free.
 - C. Tim Wilder, arborist High-trim and prune trees, free.
 - D. Lenahan Land Clearing & Mulch wood chips (presently supports island with free mulch)
 - E. Need: masonry and supplies for stone path; also possible machine operator for shrubs, plus asphalt paving to increase curb height (Newtown Highway Department?)
- 5. Budget: \$2000 -- \$2500 from various sources.
- 6. Also consider: art/statue.

Xeriscaping

From Wikipedia, the free encyclopedia



The Xeriscape Demonstration Garden at the headquarters of Denver Water in Denver, Colorado.

Xeriscaping is <u>landscaping</u> and <u>gardening</u> that reduces or eliminates the need for supplemental water from <u>irrigation</u>. It is promoted in regions that do not have easily accessible, plentiful, or reliable supplies of <u>fresh water</u>, and is gaining acceptance in other areas as access to water becomes more limited. Xeriscaping may be an alternative to various types of traditional gardening. [2][3]

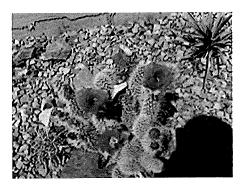
In some areas, terms as <u>water-conserving</u> landscapes, <u>drought-tolerant</u> landscaping, and <u>smart</u> scaping are used instead. Plants whose natural requirements are appropriate to the local climate are emphasized, and care is taken to avoid losing water to <u>evaporation</u> and <u>run-off</u>. The specific plants used in xeriscaping depend upon the climate. Xeriscaping is different from <u>natural</u> <u>landscaping</u>, because the emphasis in xeriscaping is on selection of plants for water conservation, not necessarily selecting native plants.

Public perception of xeriscaping has frequently been negative as many assume that these types of landscapes are ugly expanses of cactus and gravel. However, studies have shown that education in water conservation practices in the landscape can greatly improve the public's perception of xeriscaping. [4]

Similar terms

The term **zero-scaping** or **zeroscaping** is sometimes substituted for xeriscaping due to phonetic similarity. When used seriously, zero-scaping usually refers to a different type of low-water landscaping that is often devoid, or nearly devoid of plants. Because the term was derived from the Greek root *xeros*, xeriscaping is sometimes misspelled **xeroscaping**.

Advantages



Cacti are one of the low-water-consuming plants used in Xeriscaping.

- Lowered <u>consumption of water</u>: Xeriscaped landscapes can reduce water use 60% or more compared to regular lawn landscapes. [8]
- Makes more water available for other domestic and community uses and the environment.
- Reduce Maintenance: Aside from occasional <u>weeding</u> and <u>mulching</u> Xeriscaping requires far less time and effort to maintain. [9]
- Xeriscape plants in appropriate planting design, and soil grading and mulching, takes full advantage of rainfall retention. [9]
- Less cost to maintain: Xeriscaping requires less <u>fertilisers</u> and equipment, particularly due to the reduced lawn areas. [9]
- Reduced waste and <u>pollution</u>: Lawn clippings can contribute to organic waste in landfills and the use of heavy fertilisers contributes to <u>urban runoff pollution</u>. [10]

Legal issue

Some <u>homeowners associations</u> have strict rules requiring a certain percentage of land to be used as <u>lawns</u> but these rules either have been or are in the process of being overturned in many areas.^[11]

Principles



The Al Norris Memorial Xeriscape Garden in Wichita Falls, Texas

Originally conceived by <u>Denver Water</u>, the seven design principles of xeriscaping have since expanded into simple and applicable concepts to creating landscapes that use less water. The principles are appropriate for multiple regions and can serve as a guide to creating a water conserving landscape that is regionally appropriate and since they were conceived for homeowners they are easy to implement.

1. Plan and design: Create a diagram, drawn to scale, that shows the major elements of the landscape, including house, driveway, sidewalk, deck or <u>patio</u>, existing trees and other elements.^[12]

Once a base plan of an existing site has been determined, the creation of a conceptual plan (bubble diagram) that shows the areas for <u>turf</u>, perennial beds, views, screens, slopes, etc. is undertaken. Once finished, the development of a planting plan that reinforces the areas in the appropriate scale is done. [12]



An example of Xeriscaping outside the United States Capitol in Washington, DC.

- 2. <u>Soil amendment</u> Most plants will benefit from the use of <u>compost</u>, which will help the soil retain water. Some <u>desert plants</u> prefer gravel soils instead of well-amended soils. Plants should either fit the soil or soil should be amended to fit the plants.
- 3. Efficient <u>irrigation</u>: Xeriscape can be irrigated efficiently by hand or with an automatic <u>sprinkler</u> system. Zone turf areas separately from other plants and use the irrigation method that waters the plants in each area most efficiently. For grass, use gear-driven rotors or rotary spray nozzles that have larger droplets and low angles to avoid wind drift. Spray, drip line or bubbler emitters are most efficient for watering trees, <u>shrubs</u>, flowers and <u>groundcovers</u>. [12]

If watering by hand, avoid oscillating sprinklers and other sprinklers that throw water high in the air or release a fine mist. The most efficient sprinklers release big drops close to the ground. [12]

Water deeply and infrequently to develop deep roots. Never water during the day to reduce water lost to evaporation. With the use of automatic sprinkling systems, adjust the controller monthly to accommodate weather conditions. Also, install a <u>rain sensor</u> to shut off the device when it rains. [12]

- 4. Appropriate plant and zone selection: Different areas in a yard receive different amounts of light, wind and moisture. To minimize water waste, group together plants with similar light and water requirements, and place them in an area that matches these requirements. Put moderate-water-use plants in low-lying drainage areas, near downspouts, or in the shade of other plants. Turf typically requires the most water and shrub/perennial beds will require approximately half the amount of water. Dry, sunny areas support low-water-use plants that grow well in our climate. Planting a variety of plants with different heights, color and textures creates interest and beauty. [12]
- 5. <u>Mulch</u>: Mulch keeps plant roots cool, prevents soil from crusting, minimizes evaporation and reduces weed growth. Organic mulches, such as <u>bark chips</u>, pole peelings or wood grindings, should be applied 2 to 4 inches deep. Fiber mulches create a web that is more resistant to wind and rain washout. Inorganic mulches, such as rocks and gravel, should be applied 2 to 3 inches deep. Surrounding plants with rock makes the area hotter; limit this practice. [12]
- 6. Limited turf areas: Native grasses (warm-season) that have been cultivated for turf lawns, such as <u>buffalo grass</u> and <u>blue grama</u>, can survive with a quarter of the water that <u>bluegrass</u> varieties need. Warm-season grasses are greenest in June through September and straw brown the rest of the year.^[12]

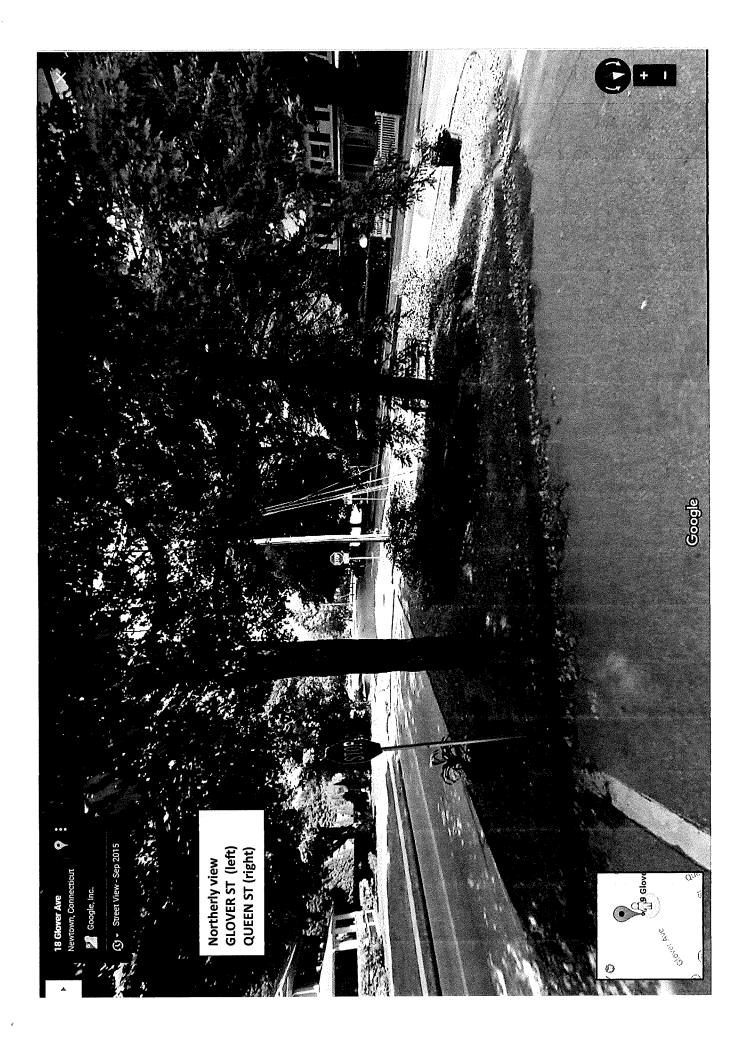
Native grasses (cool season) such as bluegrass and <u>tall fescue</u>, are greenest in the spring and fall and go dormant in the high heat of the summer. New cultivars of bluegrass, such as Reveille, and tall fescue, can reduce typical bluegrass water requirements by at least 30 percent. Fine fescues can provide substantial water savings and is best used in areas that receive low traffic or are in shady locations.^[12]

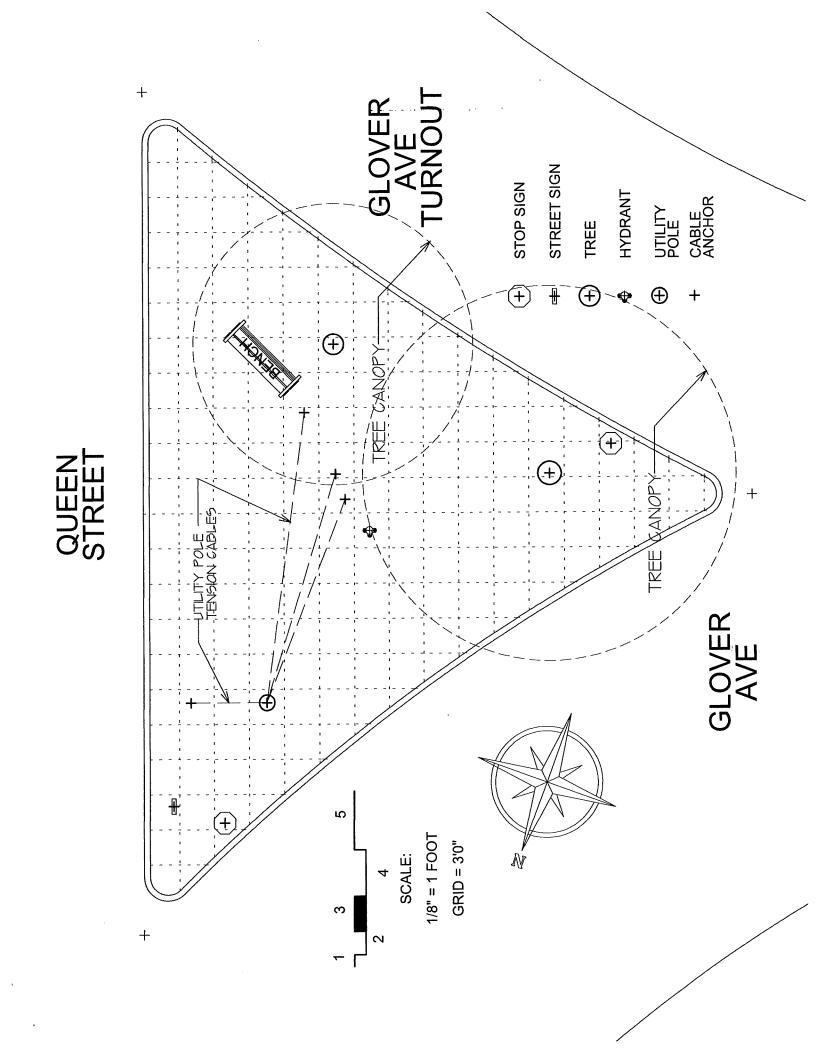
Use the appropriate grass and limit the amount of grass to reduce the watering and maintenance requirements.

7. Maintenance: All landscapes require some degree of care during the year. Turf requires spring and fall <u>aeration</u> along with regular <u>fertilization</u> every 6 to 8 weeks. Keep the grass height at 3 inches and allow the clippings to fall. Trees, shrubs and perennials will need occasional pruning to remove dead stems, promote blooming or control height and spread. Much of the removed plant material can be shredded and used in composting piles.^[12]

Lawns

One of the major challenges to the public <u>acceptance</u> of xeriscaping is the cultural attachment to <u>turf grass lawns</u>. Originally implemented in <u>England</u>, lawns have become in some regions a symbol of prosperity, order and community. In the United States turf grasses are so common that it is the single most irrigated crop by surface area, covering nearly 128,000 square kilometres (49,000 sq mi). Despite the high water, fertiliser and maintenance costs associated with lawns, they have become the <u>norm</u> in most urban and <u>suburban</u> areas, even if they are rarely used for <u>recreational</u> purposes or otherwise. Xeriscaped landscapes offer an alternative to the over use of turf grass lawns but are not widely accepted because of preconceived notions of what it means to xeriscape. Xeriscaping can include lawn areas but seeks to reduce them to areas that will actually be used, rather than using them as a default landscaping plan.





			1 1 7	F1- 1-1/1- 1-
Latin Name	Type	Description	sun/snade	Floral/leai
Aronia arbutifolia	SHRUB	https://planterschoice.com/?s=Aronia+arbutifolia	Sun	Leaf and berries
		6-10 feet tall, 3-5 feet wide		Other colors
RED CHOKEBERRY		Wet feet		
		Late summer, insignificant flower		
Clethra alnifolia	SHRUB	https://planterschoice.com/?s=Clethra+alnifolia	Heavy Shade	Fragrant, butterfly
ביייים בייייים		3-8 It fail, 4-0 It wide		
SWEET FEFFENDUSH		VEI 301E		
Physocarpus opulifolius	SHRUB	https://planterschoice.com/?s=Physocarpus+opulifolius	Sun/ part shade	Leaf, Fall foliage
		5 – 9 ft tall, trim to ground if necessary	1.000	
NINEBARK				Winter interest
		Drought tolerant, clay and dry soil		
		Easily grown in average, slightly acidic, dry to medium moisture, well-drained		
		soil in full sun to part shade. Best in full sun in the northern part or its growing		
		range, but appreciates some afternoon shade in the St. Louis area. Tolerates a		
		wide range of soil conditions. Prune as needed immediately after bloom and no		
		later than mid-August. Plants may be cut close to the ground in winter to		
		rejuvenate. Plants often struggle in the hot and humid summer climates of the		
· 一直是一个一定的一个包裹的第三人称单数的一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个		deep South in USDA Zones 8-9.	****	
Hamamelis × intermedia	SHRUB	https://planterschoice.com/catalog/hamamelis-witchhazel/hamamelis-x-	Sun to part	Early blooms
		arnolds-promise/	shade	FRAGRANT
WITCH HAZEL		Drought tolerant		Winter interest
		12.00 to 15.00 feet high, 21 – 15 ft wide		
Pieris japonica 'Prelude'	SHRUB	https://planterschoice.com/catalog/pieris-andromeda/pieris-japonica-	Sun to full	EVERGREEN
		japanese-andromeda/	snade	April blooms,
ANDROMEDA, PRELUDE				
		2 ft tall, 2-3 ft wide		
		Well drained soil		
Deutzia gracilis 'Nikko'	SHRUB	https://planterschoice.com/catalog/deutzia/deutzia-gracilis-nikko-spreading-	Full sun to part	Deciduous
		deutzia/	אומטת	Showy flower
SLENDER DEUTZIA		Annual pruning necessary		Good rail color
		well drained soil Medium water		
		1-2 ft		
		White flowers "Hydrangeaceae"		
		April to May		
Callicarpa dichotoma	SHRUB	https://planterschoice.com/catalog/callicarpa-dichotoma-purple-	Sun to part	Blooms summer
BEAUTY BERRY		beautyberry/callicarpa-dichotoma-purple-beautyberry/	אוממנ	BIRDS

		3-4 ft tall, 4-5 ft wide		
		Medium water		
Fothergilla gardenia	SHRUB	ssouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?	SUN TO PART	Compact
DWARF FOTHERGILLA		kempercode=a430	SHADE	Fragrant flowers
		The dwarf variety is 1 – 3 ft tall. regular is up to 6-10 ft		Great fall color
		Low maintenance		Good winter
		Medium water needs	·	structure
Kalmia latifolia	SHRUB	http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx? P	Part shade	EVERGREEN
MOUNTAIN LAUREL		kempercode=c798	***************************************	State flower
				Blooms in May
		5 – 15 ft high 5 – 15 ft wide		EXISTING AT THE
		Medium water needs		SITE
		State Flower perhaps that is more important		
		But alternates come in many color variations of white to candy-striped	MANUAL PROPERTY OF THE PROPERT	
Leucothoe fontanesiana	SHRUB	https://planterschoice.com/catalog/leucothoe-fetterbush/leucothoe-	Part sun to part	EVERGREEN
		fontanesiana-drooping-leucothoe/	shade	Winter interest
DROOPING LAUREL		,		
		2-3 ft tall, 3-4 ft wide		
		LOW Maintenance, Booes not tolerate grought of whiley conditions		
Rhododendron Olga	SHRUB	nrovia.com/plant-catalog/plants/4618/olga-mezitt-	Part to full shade	EXISTING AT THE
COMPACI KHODY		rhododendron/)	SIIE (3) Evergreen
		3 – 6 feet, ours is 4 feet tall, there are three)
		Broadleaf evergreen, compact in size. Showy hot pink flower		
Dicentra eximia	GROUND	tanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?	Sun to shade	April to June and
	COVER	kempercode=h700		Later
FRINGED BLEEDING		Native Shade Plant		Part Shade
HEART		Naturalize,		
Epimedium pubigerum	GROUND	https://planterschoice.com/epimedium/	Part to full shade	Semi-evergreen, good fall color
BISHOP'S HAT,				EARLY BLOOMER
BARRENWORT		Multiple colors and sizes, 1ft max		

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		Works with tree roots		
Athyrium niponicum var.	GROUND	http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?	heavy shade	Deciduous
pictum	COVER	kempercode=b640		Naturalizes, but
		colorful		needs humusy
JAPANESE PAINTED FERN		1-1.5 feet high, 1-2 ft wide		rich soil.
		low maintenance		
Polystichum acrostichoides	GROUND	http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?	Full shade	EVERGREEN
	COVER	taxonid=285770&isprofile=0&basic=Polystichum%20acrostichoides		Low water
CHRISTMAS FERN		1-2 ft high		
		1-2 ft wide		
Heuchera 'Plum Pudding'	Mounding	http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?	Sun to part	Semi Evergreen
	Perennial	taxonid=248539&isprofile=0&	shade	Flowers
CORAL BELLS PLUM		Prefers humusy soil		
		Medium water		
		low maintenance will spread		
		1-2 ft tall		
		Colorful Leaf		
Asarum canadense	GROUND	http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?	Part to full	Evergreen
	COVER	kempercode=b460	shade	
WILD GINGER		low maintenance		
		prefers wet		
		non-glossy leaves		
Asarum europaeum	GROUND	http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderComments.a	Part to full	Evergreen
	COVER	spx?taxonid=276759&isprofile=0&	shade	No flower
EUROPEAN GINGER		Glossy leaves		
		Part to full shade		
		Fills in		
Convallaria majalis	GROUND	http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?	Part to full	Deciuous
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	COVER	kempercode=c250	ang.	•
LILY OF THE VALLEY		8-in to 1ft tall		Invasive
		low maintenance		
		Fragrant		
		April Blooms		
	CNITORS	http:///www.microurishatanicalaardon ora/DlantEindorDotaile acay	Part to full	Evergreen
гашиш данеораонон	COVER	http://www.nijssounbotanicaidaiden.org/Flainthiae/Flainthiae/Details.uspx; +xxxnid=763871&isnxnfile=1&aen=lamium	shade	Not considered
VELLOW LAMILIM		aniden ded-nettle		invasive in CT

		4 2 4 5 2 5		
		Blooms in June		
		Yellow Flower		
		LOW water		
Uvularia grandiflora	GROUND	http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?	Part to full	Deciduous
	COVER	taxonid=282005&isprofile=0&basic=Uvularia%20grandiflora	shade	
BELLWORT	Lorini No. 1 Lorini Lorini Lorini	Native Shade Plant		
		1.5 to 2 ft tall Yellow flower		
		April to May		
		Drought, dry soil		
Dryopteris clintoniana	FERN	http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?	Part to full	Semi-Evergreen
		taxonid=285741&isprofile=0&	shade	
CLINTON'S WOOD FERN		2-4 ft tall		
		2-4 ft wide		
		Spreads by rhizomes,		
		Needs wind support medium to wet soil		
		http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?	Shade, some	Tolerates dry soil
Adiantum	FERN	kempercode=i200	snu	
MAIDEN HAIR FERN				*
		1 – 2 ft tall, masses 1-2 ft wide		
		One is deciduous and multiplies easily, with corkscrew growth on black stems.		
		The other is evergreen.		
Chionodoxa forbseii	BULB	http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?	Sun to part	NATURALIZER
		Ŏl.	snade	
GLORY OF THE SNOW		BLUE BLOOMS EARLY SPRING		
		6-inches NATURALIZER		
		Low maintenance		
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