

United States Botanic Gardens:
Design, Draw & Paint Your Dream Garden

Saturday and Sunday, 9am-4:30pm, August 10 and 11
USBG Conservatory Classroom
Mary Ellen Carsley, maryellencarsley.com,
maryellencarsley@gmail.com



United States Botanic Gardens

Design, Draw & Paint Your Dream Garden

Date and Time: Saturday and Sunday, August 10 and 11 9am-4:30pm both days

Location: USBG Conservatory Classroom

Course Description: This course is designed for the gardening enthusiast who also enjoys sketching and would like to try their hand at garden design. The course will include an overview of the history of gardens in America as inspiration. Fundamentals of design drawing, landscape sketching, and garden design strategies will be introduced. Each student will leave with a garden design and dream garden vignette sketch all in color.

Please note: This is a two-day workshop. Doors open at 8:45 a.m. Please bring a lunch each day and be prepared to spend part of the day outside.

Teacher: Mary Ellen Carsley
maryellencarsley@gmail.com
maryellencarsley.com

Materials

- 1 Spiral bound, hard cover Sketch Pad 9"x 12" or larger
- 2 2H pencils
- 1 small roll painters/drafting tape
- 1 small pad of tracing paper
- 1 set of "Micron" (or similar brand) permanent black ink drawing pens, nib sizes 01-07
- Small set of watercolor colored pencils (Derwent or some similar brand)
- One Colored Pencil Blender
- 1 small pocket pencil sharpener
- 1 kneaded eraser
- 1 "pink pearl" or similar type eraser
- 1 small 6" plastic ruler
- 1 small 30-60-90 degree triangle
- 1 small 45 degree triangle
- A small, convenient tote for your supplies

Recommended Reading

(please note you do not need to purchase these)

Botany for Gardeners by Brian Capon

History of Landscape Design in 100 Gardens by Linda Chisholm

Garden Design Made Easy by Tim Newbury

African American Gardens: Yards of the Rural South by Richard Westmacott

Groundbreaking Food Gardens by Nikki Jabor

Drawing and Sketching in Pencil by Arthur Guphill

How to Draw Plants by Keith West

Flower Painter's Pocket Palette by Elisabeth Harden

The Landscape Artist's Drawing Bible ed. By Hazel Harrison

Schedule and References

Day One: Time	Topic	Links and References
9:00- 9:30am	Introductions, Logistics, Schedule, and Ice Breaker	
9:30-9:45am	An Introduction to the History of Gardens: Video	https://youtu.be/TPZiw8BybCs
9:45-10:00 10:00-10:15	Introduction to Seeing Like a Designer Plan, Section, and Elevation Activities 1 & 2: Learn to Draw Like A Designer	Handout and Web Reference https://drawntogarden.com/garden-creation-how-to-draw-a-perspective-sketch/
10:30-10:45am	Break	
10:45-11:00 11:00-12:00	Complete Activities 1 &2 Activity 3: How to Use An Architect's Scale Find the Secret Room	Handout
Noon- 1pm	Lunch	
1:00-2:00pm	Introduction to Elements of Architecture Point, Line, Plane, and Volume	https://youtu.be/IgdoDPBLPXs

	History of Garden Design Video Activity 4: Elemental Analysis of a Garden	Elements of Architecture Reference Handout
2:00-2:30pm 2:30-3:15pm	Introduction to the Elements of Art Introduction to the Principles of Design Activity 5: Find the Elements of Art in the Garden Activity 6: Find the Principles of Design in the Garden	Elements of Art Reference Handout Principles of Design Reference Handout https://www.gardendesign.com/landscape-design/rules.html
3:15-3:30pm 3:30-4:30pm	Share Your Design Findings Write Your Garden Design Statement & Wrap Up, Prep for Tomorrow	

Day Two: Time	Topic	Links and References
9:00- 9:15am	Welcome	
9:15-9:30am	An Introduction to the Cottage Garden: Video	
9:30-10:00 10:00-10:30	Garden Design Fundamentals Activity 1: Honing Your Eye, Find Garden Design Strategies at USBG	Handout
10:30-10:45am	Break	
10:45-11:00 11:00-12:00	Sharing Our Findings Activity 2: Drawing Your Garden Plot to Scale	
Noon- 1pm	Lunch	

1:00-1:30pm	Introduction to Landscape Drafting Drawing Conventions	Drawing Conventions Reference Handout
1:30-4:00pm	A Generous Deceit: Illustrating Gardens Video Activity 3: Drawing Your Garden Design in Plan, Section, and Elevation plus a vignette	https://thirdchannel.co.uk/work/a-generous-deceit/ Garden Drawing Example Reference Handout
3:45-4:30pm	Share Your Designs and Feedback Surveys	

Garden Design References

From Francis Ching's *Form, Space and Order*

THE PRIMARY ELEMENTS

A POINT as the prime generator of form, indicates a position in space.

LINE A point extended becomes a line with properties of:

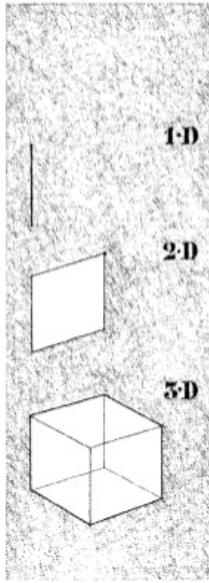
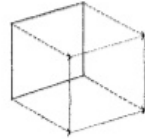
- length
- direction
- position

PLANE A line extended becomes a plane with properties of:

- length & width
- shape
- surface
- orientation
- position

VOLUME A plane extended becomes a volume with properties of:

- length, width & depth
- form/space
- surface
- orientation
- position

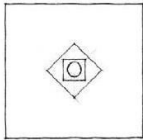


POINT

1-D LINE

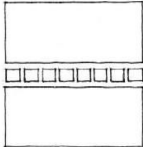
2-D PLANE

3-D VOLUME



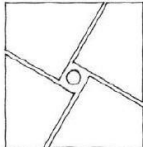
Centralized Organization

A central, dominant space about which a number of secondary spaces are grouped



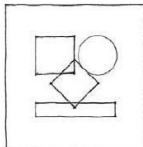
Linear Organization

A linear sequence of repetitive spaces



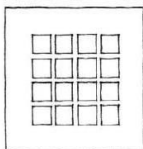
Radial Organization

A central space from which linear organizations of space extend in a radial manner



Clustered Organization

Spaces grouped by proximity or the sharing of a common visual trait or relationship



Grid Organization

Spaces organized within the field of a structural grid or other three-dimensional framework

Elements of Art

These are the basic elements that are used by Artists in creating Art; they are what you use to create an aesthetically pleasing work. When we make Art, we need to understand and apply these seven Elements of Art.



Line

A mark made by a pointed tool such as a brush, pen or stick; a moving point.



Shape

A flat, enclosed area that has two dimensions, length and width. Artists use both geometric and organic shapes.



Color

Is one of the most dominant elements. It is created by light. There are three properties of color; Hue (name,) Value (shades and tints,) and Intensity (brightness.)



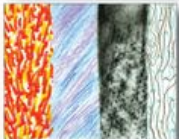
Value

Degrees of lightness or darkness. The difference between values is called value contrast.



Form

Objects that are three-dimensional having length, width and height. They can be viewed from many sides. Forms take up space and volume.



Texture

Describes the feel of an actual surface. The surface quality of an object; can be real or implied.



Space

Is used to create the illusion of depth. Space can be two-dimensional, three-dimensional, negative and/or positive.

Principles of Design

These are the standards or rules to be observed by Artists in creating works of Art; they are how to create and organize Artwork. When elements are utilized with the principles in mind, outstanding Artwork is created.



Balance

A distribution of visual weight on either side of the vertical axis. Symmetrical balance uses the same characteristics. Asymmetrical uses different but equally weighted features.



Contrast

The arrangement of opposite elements (light vs. dark, rough vs. smooth, small vs large, etc...) in a composition so as to create visual interest.



Emphasis

Used to make certain parts of an Artwork stand out. It creates the center of interest or focal point. It is the place in which an Artist draws your eye to first.



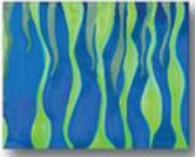
Movement

How the eye moves through the composition; leading the attention of the viewer from one aspect of the work to another. Can create the illusion of action.



Pattern

The repetition of specific visual elements such as a unit of shape or form. A method used to organize surfaces in a consistent regular manner.



Rhythm

Regular repetition of, or alternation in elements to create cohesiveness and interest.



Unity

Visually pleasing agreement among the elements in a design; It is the feeling that everything in the work of Art works together and looks like it fits.

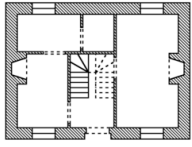
Examples of Architectural Standard Drawing Views: Plan, Section, Elevation



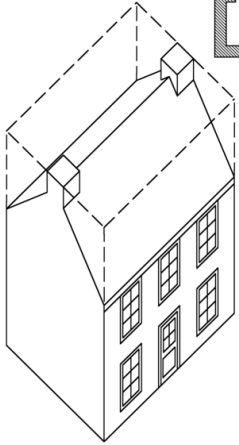
Side elevation

Front elevation

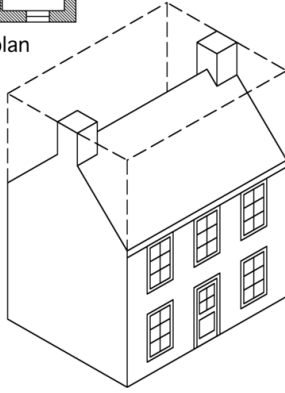
Section AA



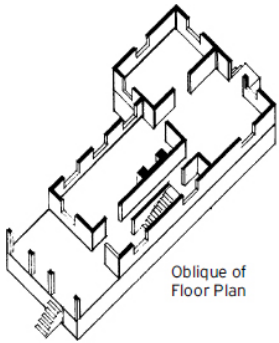
Floor plan



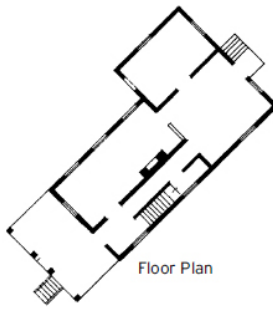
Axonometric



Isometric



Oblique of Floor Plan



Floor Plan

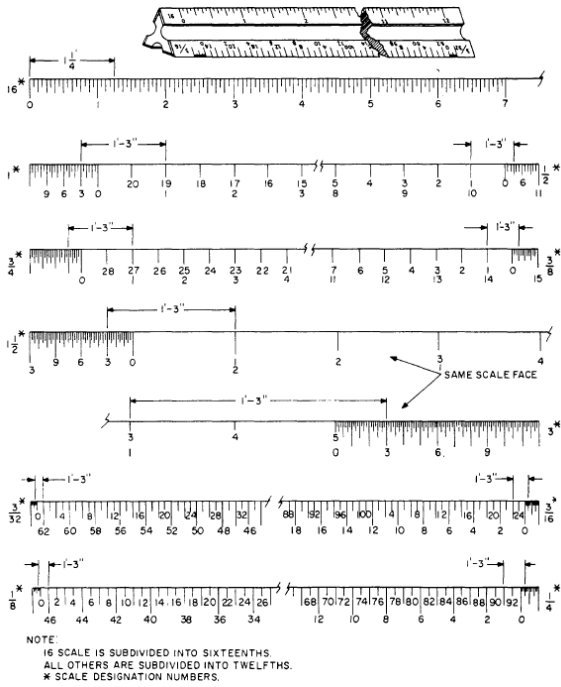


Elevation



Section Elevation

Examples of Architectural Scale and Exercise



SCALE

NAME: _____

MEASURE THE WALLS IN **1/4" SCALE**

WALL #1: _____

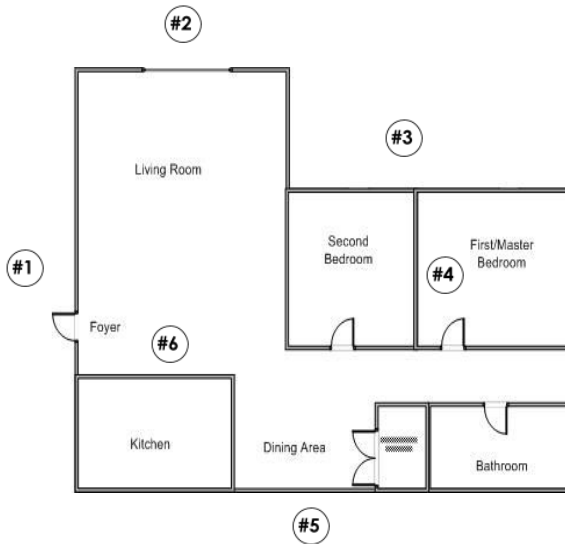
WALL #2: _____

WALL #3: _____

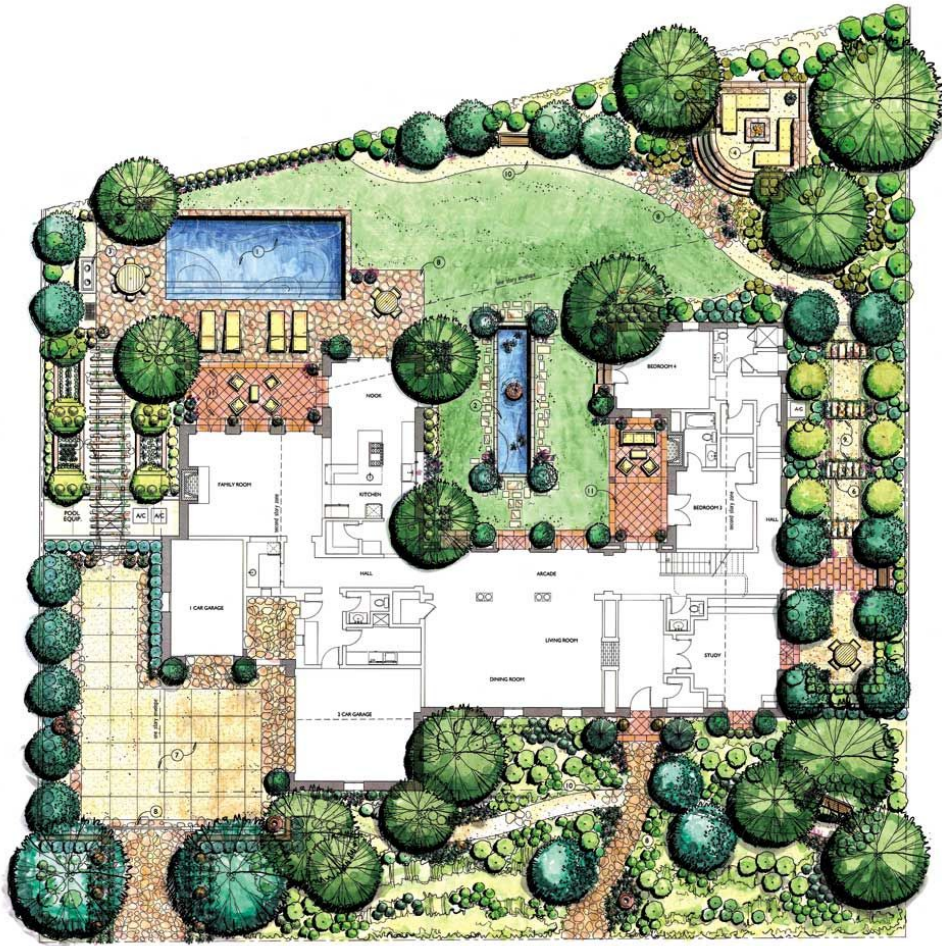
WALL #4: _____

WALL #5: _____

WALL #6: _____



Landscape Design Drawing Symbol References



Large Landscape Plan showing all symbols and a variety of elements



Garden Elevation and Flower Bed Elevation

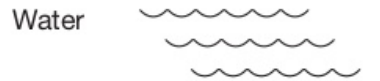
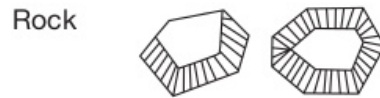
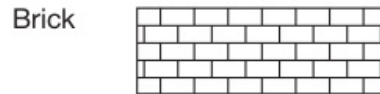
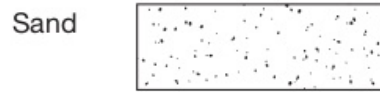
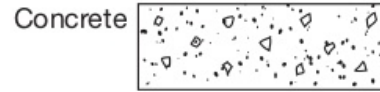
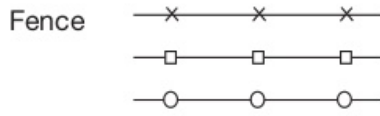
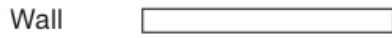
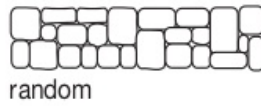
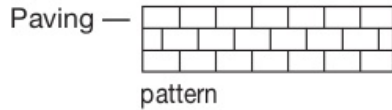


Garden One-Point Perspective



Garden Sketch View Showing Exterior of House

LANDSCAPE SYSTEMS AND GRAPHICS





tree



shrub



clothes
line



steps



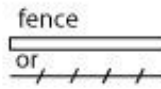
lawn



rock



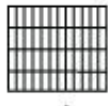
flowers



fence
or



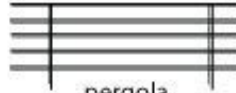
gravel



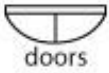
paving



fern



pergola



doors



windows



groundcover



decking



small shrub



deciduous tree



archway



wall (show height)



evergreen tree



rocks



small spiky plant
such as iris or
agapanthas



Wooden retaining wall



large spiky tree



grasses



gazebo



perennials



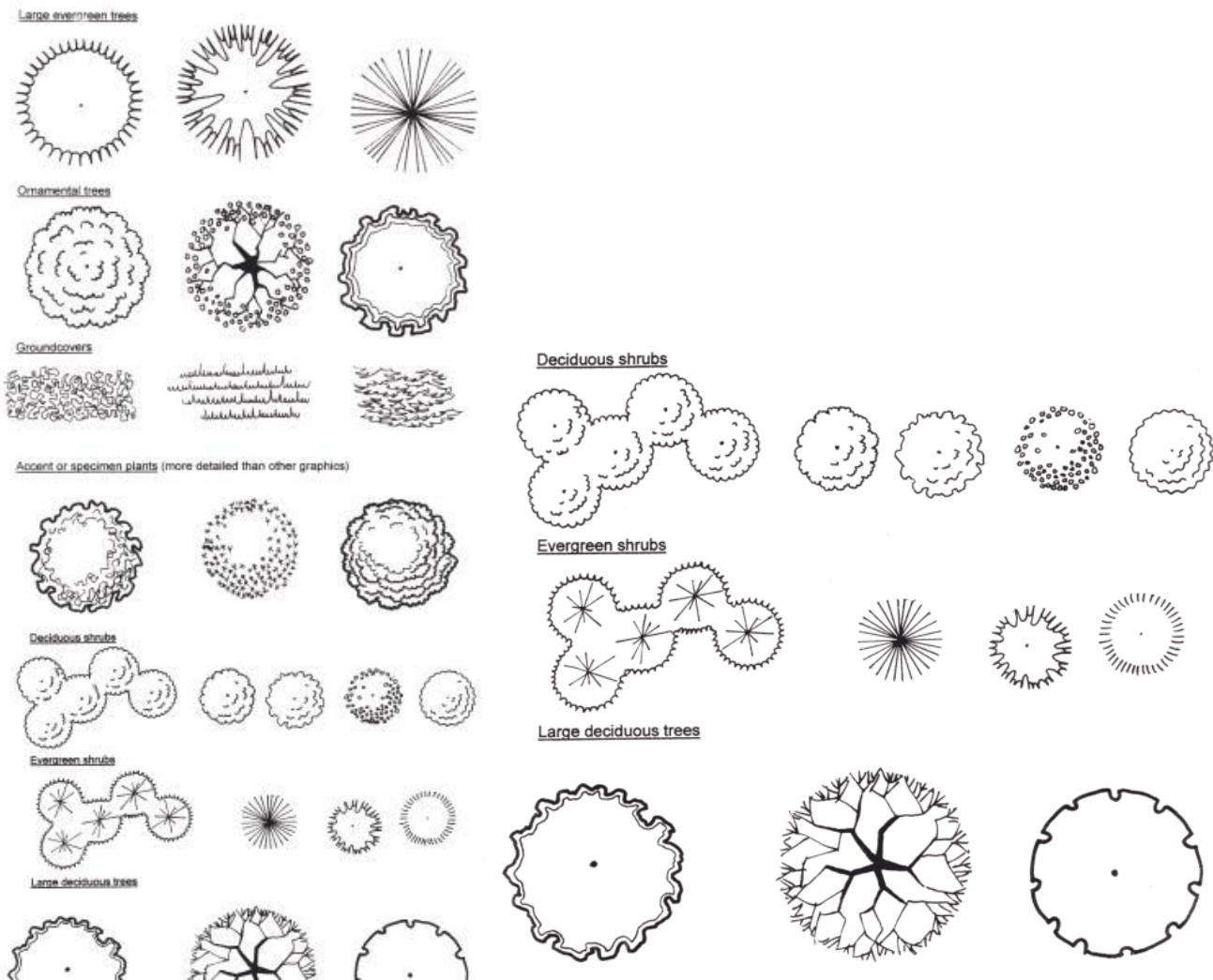
large palm



annuals



pebbles



Landscape Design Checklist

This questionnaire will help you and your designer focus on your needs and desires, and the special character of your site. These questions are not meant to be comprehensive, but to stimulate your own thinking about how you might derive the greatest satisfaction and enjoyment from your outdoor living spaces.

<http://apldca.org/what-is-landscape-design/landscape-design-checklist/>

The Functional Environment

Please check activities and family members that the exterior design should accommodate.

<input type="checkbox"/>	Spouse/Partner?	<input type="checkbox"/>	Reading
<input type="checkbox"/>	Children? How many? What ages?	<input type="checkbox"/>	Playing/listening to music
<input type="checkbox"/>	Other family members?	<input type="checkbox"/>	Sports
<input type="checkbox"/>	Pets? What kind? How many?	<input type="checkbox"/>	Games
<input type="checkbox"/>	Outdoor dining? How many people? How often?	<input type="checkbox"/>	Hobbies

<input type="checkbox"/>	Indoor/outdoor entertaining? How many? How often?	<input type="checkbox"/>	Gardening
<input type="checkbox"/>	Reading	<input type="checkbox"/>	Other (Please describe)

DESIGN MOOD. *Please check all that apply.*

<input type="checkbox"/>	Relaxing	<input type="checkbox"/>	Soothing
<input type="checkbox"/>	Secret/private	<input type="checkbox"/>	Open
<input type="checkbox"/>	Social	<input type="checkbox"/>	Exciting
<input type="checkbox"/>	Energizing	<input type="checkbox"/>	Serene
<input type="checkbox"/>	Uplifting	<input type="checkbox"/>	Playful
<input type="checkbox"/>	Spiritual	<input type="checkbox"/>	Sheltered
<input type="checkbox"/>	Nourishing	<input type="checkbox"/>	Other (please describe)

Your Environment's Vital Statistics

- Do you consider your home to be a permanent residence or an interim home?
- What is the age and style of your home?
- Does your landscape face North, South, East, or West?
- Does the garden get sunlight between 9 a.m. and noon? Noon to 3 p.m.? After 3 p.m.?
- Do you have plot plans or surveys?
- Describe your property's topography.
- Are there existing underground utilities, irrigation or drainage systems?
- Have you experienced any drainage problems?
- How would you describe the character of your site?
- Are there existing features you would like to remove?
- Are there features that you wish to renovate and keep?
- Are you or your neighbors planning any major construction?

Hardscape – The Structured Environment

DESIGN THEMES. *What are your preferences? Please check one or more.*

<input type="checkbox"/>	Asian (symbolism, simplicity, more green than flower colors, use of stone)
<input type="checkbox"/>	California (native plants, 12-month interest, Mediterranean feeling)
<input type="checkbox"/>	Contemporary (dramatic foliage, strong color contrasts, mass plantings)
<input type="checkbox"/>	Country (colorful mixed borders, perennials, winding paths, eclectic)
<input type="checkbox"/>	Formal (symmetry, clipped hedges, topiary, classical architecture)
<input type="checkbox"/>	Tropical (hot strong colors, bold foliage, jungle-like abundance)
<input type="checkbox"/>	Other (please describe)

DESIGN FORMS. *Please check the shapes and styles you prefer.*

<input type="checkbox"/>	Curves	<input type="checkbox"/>	Raised beds
--------------------------	--------	--------------------------	-------------

<input type="checkbox"/> Rectangles	<input type="checkbox"/> Tiers/steps
<input type="checkbox"/> Formal	<input type="checkbox"/> Hidden
<input type="checkbox"/> Informal	<input type="checkbox"/> Sunken
<input type="checkbox"/> Rustic	<input type="checkbox"/> Other (describe)

BUILDING MATERIALS. *Please check all that appeal to you.*

<input type="checkbox"/> Concrete	<input type="checkbox"/> Wood
<input type="checkbox"/> Flagstone	<input type="checkbox"/> Bark
<input type="checkbox"/> Gravel	<input type="checkbox"/> Copper
<input type="checkbox"/> Slate	<input type="checkbox"/> Steel
<input type="checkbox"/> Marble, limestone	<input type="checkbox"/> Wrought Iron
<input type="checkbox"/> Rocks, boulders	<input type="checkbox"/> Glass
<input type="checkbox"/> Brick	<input type="checkbox"/> Other (describe)

UTILITY STRUCTURES/AREAS. *Please check features you would like to include.*

<input type="checkbox"/> Paths	<input type="checkbox"/> Firewood Storage
<input type="checkbox"/> Fences/Gates	<input type="checkbox"/> Extra parking
<input type="checkbox"/> Pet run	<input type="checkbox"/> Garbage/Recycling storage
<input type="checkbox"/> Maintenance Shed	<input type="checkbox"/> Bike/Toy storage
<input type="checkbox"/> Compost area	<input type="checkbox"/> Other (describe)
<input type="checkbox"/> Potting area	

LANDSCAPE STRUCTURES. *Please check features you would like to include.*

<input type="checkbox"/> Deck	<input type="checkbox"/> Paths/Steps
<input type="checkbox"/> Patio/Terrace	<input type="checkbox"/> Retaining wall
<input type="checkbox"/> Gazebo	<input type="checkbox"/> Outdoor kitchen
<input type="checkbox"/> Pergola	<input type="checkbox"/> Fireplace/firepit
<input type="checkbox"/> Swimming Pool	<input type="checkbox"/> Lighting
<input type="checkbox"/> Hot tub/Jacuzzi	<input type="checkbox"/> Greenhouse
<input type="checkbox"/> Sauna	<input type="checkbox"/> Child's play area
<input type="checkbox"/> Water feature	<input type="checkbox"/> Sports court
<input type="checkbox"/> Sculpture	<input type="checkbox"/> Other (describe)

Softscape – The Planted Environment

The plants selected for your outdoor living areas can provide many things. Take a moment to consider the goals below. Please check each goal you would like to achieve through your plantings:

<input type="checkbox"/> Grow edibles	<input type="checkbox"/> Reduce undesirable noise
<input type="checkbox"/> Create a sanctuary space	<input type="checkbox"/> Provide cut flowers
<input type="checkbox"/> Attract wildlife	<input type="checkbox"/> Provide for exercise
<input type="checkbox"/> Reduce wind	<input type="checkbox"/> Create privacy
<input type="checkbox"/> Add fragrance	<input type="checkbox"/> Low maintenance
<input type="checkbox"/> Add texture	<input type="checkbox"/> Low water use
<input type="checkbox"/> Add soft sounds	<input type="checkbox"/> Other (please describe)

- Are there plants you are particularly fond of?
- Are there plants that you dislike or are allergic to?
- What colors would you like to have around you in your garden?
- Do you wish to have a lawn? For what purpose(s)? How large?
- Circle your favorite season:
- Spring Early Summer Late Summer Fall Winter
- When will you be using your garden?
- Early morning mid-morning noon
- Mid-afternoon early evening evening or nighttime
- Week days weekends

Installation, Care and Maintenance

- How much time will family members spend on maintenance each week, if any?
- Do you or will you employ a gardening service?
- Do you want an immediate landscape or will you install it in phases?
- Will you hire a professional to install the landscape or will you do it yourself?
- Please circle the budget figure that is closest to what you would like to invest in your landscape design and installation:

Under \$5,000	\$5,000 to \$10,000
\$10,000 to \$25,000	\$25,000 to \$50,000
\$50,000 to \$75,000	\$75,000 to \$100,000
\$100,000 to \$150,000	\$150,000 to \$200,000
Over \$200,000	Other (please explain)

Another Check List to Consider:

<https://www.renson-outdoor.com/en/blog/your-checklist-great-landscaped-garden>

Checklist garden design

Basis for your future garden

It all starts – as we wrote earlier – with a couple of personal questions. They may seem simple, but appearances are deceptive. Consider them carefully before you get started on your garden design.

- What is the **purpose of your garden**? In other words, what do you mainly want to use the garden for?
- What is your **privacy requirement**? Some people can only relax if they are completely shielded from the outside world and any prying eyes.
- How much time will you devote to **maintaining** your new garden?
- What **garden style** is perfectly suited to you and your family members?

Peripheral conditions

In addition, these peripheral conditions have an impact on what is possible in your garden design:

- How is your garden **oriented**? A south facing garden offers totally different possibilities from a north facing garden.
- How is your relationship with your neighbours? Are there **agreements** about garden fences, trees on the property borders, quiet moments...?
- What is the shape of your **terrain** and is there a **slope**? That is important for things like drainage.
- Are there special **legal requirements or limitations** (zoning, planting, gas pipes, ...)?

Elements in the landscaping

Finally, you can focus on the **landscaping** itself. Of course, you do not have to incorporate every landscape element into your garden – that would soon be ‘too much’ – but certainly consider all the items on this checklist to achieve the best result:

- Boundaries: hedges, walls, fences, climbing plants, reed mats, ...
- Barbecue or outdoor kitchen
- Paving: patio and garden paths
- Orchard with fruit trees
- Flower borders
- Compost heap and waste containers
- Bicycle storage
- Lawn
- Art work
- Herb garden, vegetable garden, conservatory, greenhouse, ...
- Pergola, shaded path, gazebo, ...
- Toys, swing, tree house, ...
- Patio cover
- Garden house or storage shed
- Garden furniture
- Garden lighting
- Vegetation: trees, shrubs, hedge plants, flowers, grasses, herbs, conifers, ...
- Pond, fountain, stream, ...
- Sandbox
- Seating
- Pool

