



American
Public Gardens
Association

2018 Small Garden Symposium
Big Ideas for Small Gardens

Session 5: January 9, 2018

Fundamentals of Master Planning For Small Gardens

Tucson Botanical
Gardens 

terra
design studios

PITTSBURGH
BOTANIC GARDEN 



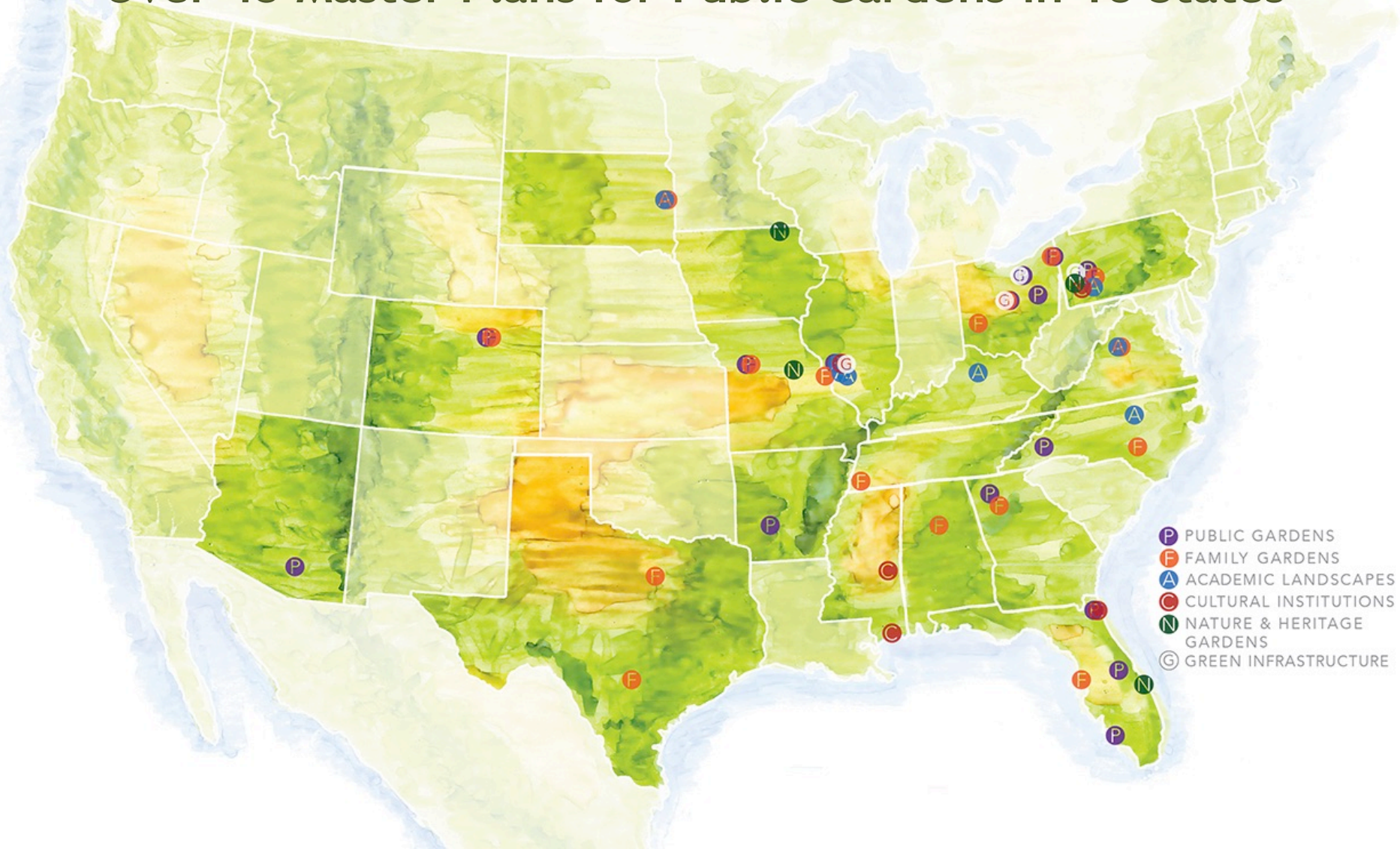
Master Planning Basics

Team Terra



Our Public Garden Heritage

Over 45 Master Plans for Public Gardens in 18 States



Why Invest in a Master Plan?

- To guide the future development of the Garden in support of its mission and goals for the next ten to twenty years.



- To inspire confidence with donors and the community by showing an investment in a long term plan.
 - To help visitors understand your message.
- To prioritize funding and development efforts.


“But we already have a Master Plan”

Master Plans need to “evolve” to respond to:

- Changes in the Strategic Plan
- New leadership
- Emerging crucial cultural topics (edibles, kids outside, conservation)
- Insufficient or reduced funding streams
- Built capital improvements that did not follow previous master plan

The Pre-Master Planning Process

3-6 months



Internal
Preparedness
Phase

Master Plan
Team Selection
Phase

Master Plan
Committee
Formation
Phase

The Master Planning Process

8-12 months

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graph LR; A[Research & Analysis Phase] --> B[Synthesis of Alternatives Phase]; B --> C[Final Master Plan Phase];
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Research &
Analysis
Phase

Synthesis of
Alternatives
Phase

Final
Master Plan
Phase

Research & Analysis Phase



- Listen to the Committee and validate your **program**:
 - ✓ Mission, Vision, Identity
 - ✓ Audience
 - ✓ Goals
 - ✓ Components
- Talk about the “Flavor” of experiences
- Unearth unique Topics and Themes

Research & Analysis Phase



- Define your “Hook”
- Explore Model Organizations
- Get to know your **site** and its surrounding influences
- Blend program and site knowledge into **Concept Diagrams**



Audience and Goals



Three Legged Stool



Research

Education

Display & Collections

Research

TRIAL GARDEN

All-America Selections is an independent international testing organization devoted to introduction of improved varieties of vegetables and flowers for the home gardener. Our garden is a designated AAS Display Garden.



Winners for the current, next and past 5 years are on display with vegetables and flowers growing side by side.

New varieties of plants are evaluated for garden performance and for future use in the Gardens.



Fellow's Riverside Gardens... A Place to Grow

Education



Display and Collections



... And now!



21st Century Dining Table



Display & Collections

Research

Community
Outreach

Education

Conservation

Wellness

Community Outreach



Conservation



Wellness

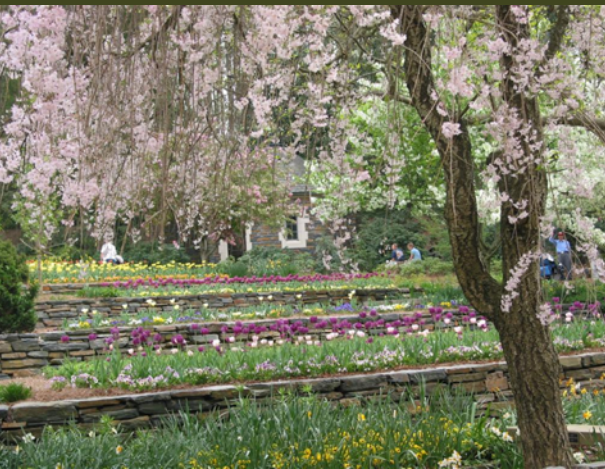


Garden “Flavors”

Display Gardens

Nature Gardens

Ecosystem Restorations



Display Gardens

The Crowd Pleasers



Nature Gardens

The (Nearly) Invisible Hand of Man



Ecosystem Restoration

Regenerative Landscapes



Support Spaces - The 'Cone'









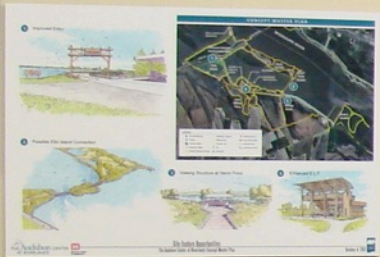








Our Vision for the Future

















Topics, Themes, and Hooks

Family Gardens

Seed to Plate

Water

Canopy Walk

Butterfly Encounters

Art as the Link and the Cure

Artful Rain Water Capture

Traveling Exhibits

Family Gardens



Seed to Plate



Water













Canopy Walk



A close-up photograph of a person's hand gently holding a butterfly. The butterfly has black wings with vibrant blue and yellow patterns. The background is a dense field of bright red and yellow flowers, likely Mimulus aurantiacus, which are out of focus. A semi-transparent horizontal band is overlaid across the middle of the image, containing the text "Animal Encounter".

Animal Encounter





Artful Stormwater







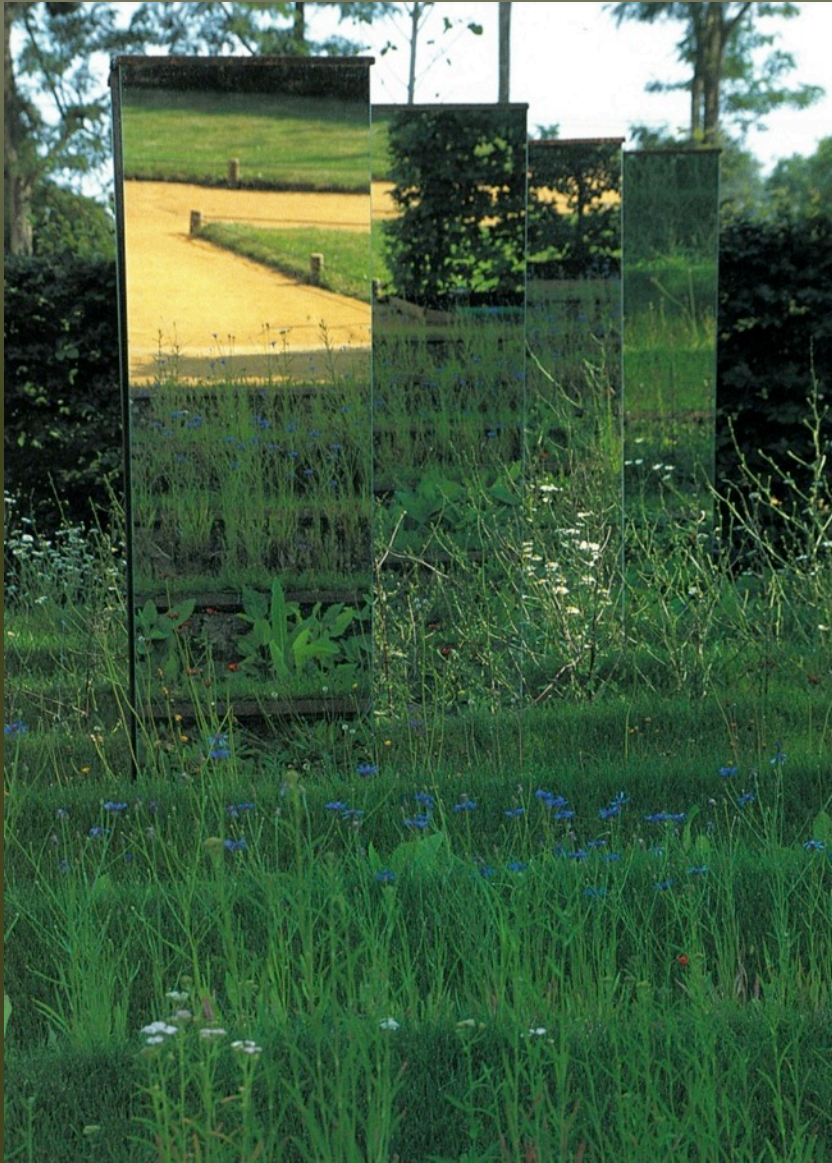
Art as the “link” and the “cure”



... the Link to your story



... the Cure for Plant Blindness







Traveling Exhibits











Products: Research & Analysis Phase





ADJACENT CONSERVATION EASEMENT

Toupey Run

Richard B&O Trail

"BACK OF HOUSE"

PUBLIC PARKING

MAJOR PEDESTRIAN PORTAL

MAJOR VEHICULAR PORTAL

EVENT PARKING

KINGWOOD HALL

RETAIL

SECONDARY GARDENS

PRIMARY CORE GARDENS

Mansfield Senior High School

Residential

Commercial Development

1 Mile to Downtown Mansfield

Commercial Development











TOWNSEND PROPERTY

Residential

Park Ave W

Park Ave is a dangerous barrier and divides between Kingwood Center property and Townsend site

SYMBOLS LEGEND

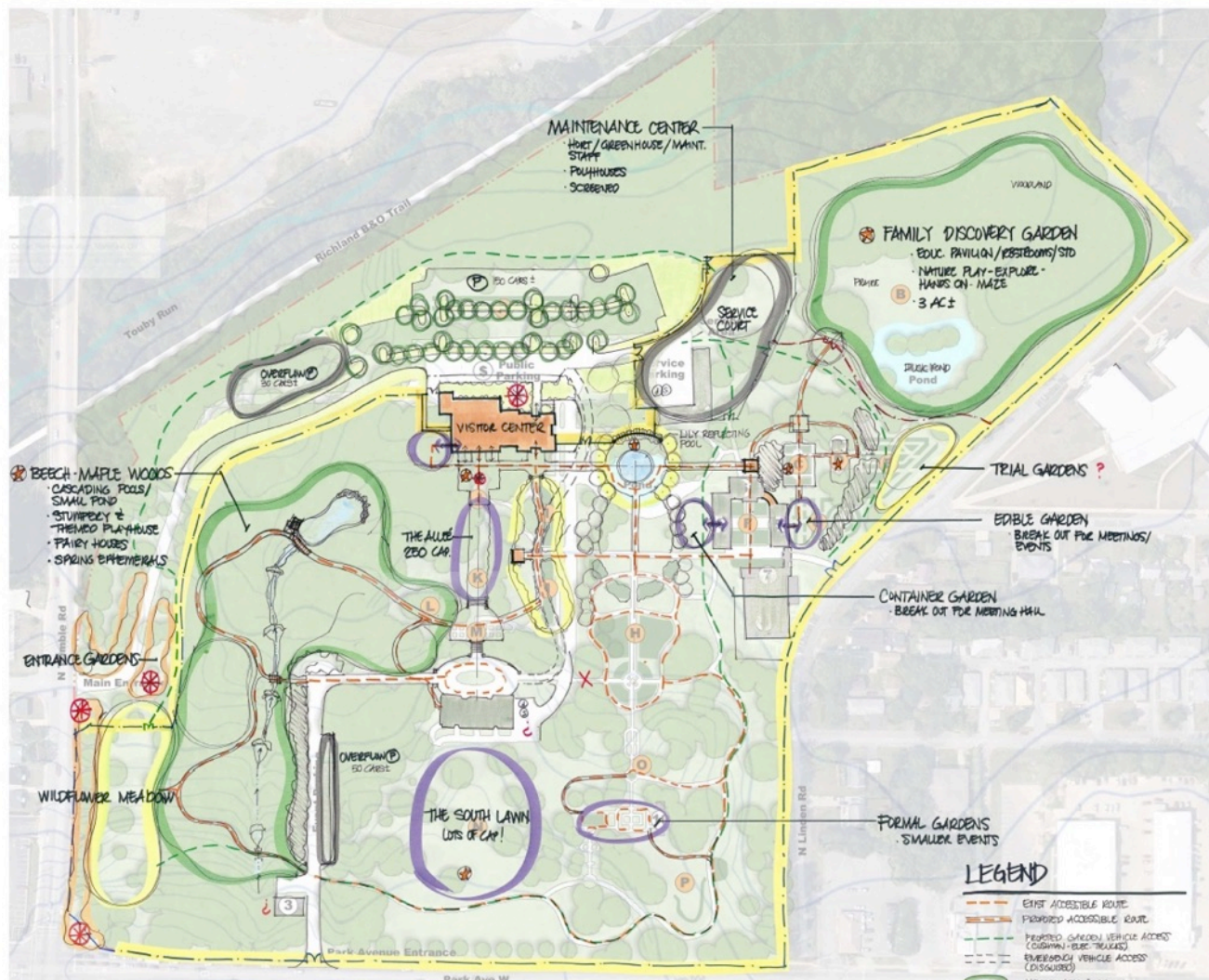
-  Vehicular circulation
-  Primary pedestrian circulation
-  Gated access
-  Display garden areas
-  Nature garden areas
-  Ecological restoration areas
-  Visitor experience bleeds into incompatible zones
-  Pedestrian viewsheds
-  Top of slope
-  Steep slope areas

Site Analysis
 Kingwood Center
 December 8, 2014

GreenSpace Studio, LLC
 100 South Main Street, Suite 100
 Mansfield, OH 44880
 Phone: (419) 848-1212

GreenSpace
 green-space.com

Scale: 1" = 100'



BEECH-MAILE WOODS
 - CASCADING POOLS / SMALL POND
 - STUMPREY & THEMED PLAYHOUSE
 - FAIRY HOUSES
 - SPRINGS, EPHEMERALS

ENTRANCE GARDENS

WILDFLOWER MEADOW

THE ALLIE ZOO CAP

THE SOUTH LAWN
 Lots of Cap!

FAMILY DISCOVERY GARDEN
 - EDUC. PAVILION / EXHIBITIONS / STD
 - NATURE PLAY - EXPLOR -
 - HARBOR ON - MAZE
 - 3 AC ±

TRIAL GARDENS ?

EDIBLE GARDEN
 - BREAK OUT FOR MEETINGS /
 - EVENTS

CONTAINER GARDEN
 - BREAK OUT FOR MEETING HALL

FORMAL GARDENS
 - SMALLER EVENTS

LEGEND

- EXIST ACCESSIBLE ROUTE
- PROPOSED ACCESSIBLE ROUTE
- PROPOSED GARDEN VEHICLE ACCESS (CUSHION TIRE TRUCKS)
- PROPOSED GARDEN VEHICLE ACCESS (DISGUISED)
- NEW "NATURE" GARDEN
- NEW OR RELOCATED "DISPLAY GARDEN"
- NEW GARDEN / EVENT SPACE SUPPORT
- PARKING OVERLAY / SERVICE
- ⊗ FOCAL POINT NEEDED

CONCEPT DEVELOPMENT DIAGRAM
KINGWOOD CENTER MASTER PLAN

DEC. 11, 2014 TERRA / SECKE / EMD / TAG
 1" = 60'

Existing Buildings

- 1 Kingwood Hall
- 2 Service Buildings
- 3 Gate House

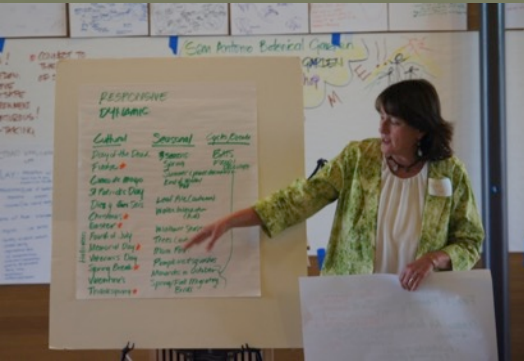
Existing Garden Zones

- A Trial Gardens / Cut Flower Gardens
- B Prairie Display
- C Herb Garden

FAMILY "MOMENT"

- M North Terrace
- N South Lawn
- O Historic Gardens

Synthesis of Alternatives Phase



- Prepare Master Plan Options Package:
 - Illustrative Concept Plan
 - Site sections
 - Building footprints and elevations
 - Interpretive Plan Overlay
 - Perspective sketches and/or precedent support images
 - Strategy for Phase One and ballpark costs



- Explore Pros and Cons of Options
- Gather stakeholder feedback and validate options on site





- Garden Key**
- Dainty garden areas
 - Nature garden areas
 - Structures and infrastructure
- A GREEN AUTO GARDEN**
 - B VISITOR CENTER**
Welcome Terrace
Outdoor Rental
 - C PERENNIAL GARDEN**
Pavilion
Emergency access shores
accessible path
 - D ALLEE**
Drizzle Fountain Terrace
North Terrace
 - E KINGWOOD HALL**
Open to public
Library
Pinecourt
Event Lawn
 - F WOODLAND GARDEN**
Artful Stormwater Exhibit
Pool & Gazebo
Shrubbery & Fairy Houses
 - G FORMAL GARDENS**
 - H RIS & DAYLILY GARDEN**
 - I TERRACE GARDEN**
 - J CULINARY GARDEN & ORANGERY**
Wood-fired Oven Pavilion
Kitchen Garden
Chickens & Bees
 - K COURTYARD**
Workshop & exhibit space
Meeting Hall & breakout space
Exhibit Hall & breakout space
 - L POCKET GARDEN**
Rose Garden
Pavilion Garden
Herb Garden
 - M TRIAL GARDEN**
 - N FAMILY GARDEN**
Family Education Center
Nature play opportunities
Hands-on gardening
 - O LILY POOL**
 - P HORTICULTURE & MAINTENANCE BLDGS**
 - Q GATEHOUSE**
 - R PRODUCTION CENTER**
Production House, Staffing & Storage
Pumpkin Patch
Event Storage Building

SYMBOLS LEGEND

Structures	Construction	Stems & Species
Existing buildings	Vehicular drive	Existing trees
Proposed Buildings	Pedestrian paths	Existing significant trees
Tents or awns	Tents	Shade tree
Bridge	Service access	Evergreen tree
Water features	Flood pump or sculpture	Ornamental tree
Walls	Viewshed	Screening (deciduous & evergreen material)
Sprinkler fence	Viewshed	Hedge
Service area fence	Viewshed	Dainty planting
Family Garden fence	Viewshed	Natural planting
	Viewshed	Turf grass
	Viewshed	Stone
	Viewshed	Stone

S GREENHOUSE RUIN

U FAMILY GARDEN

Family Education Center
Nature Play-based Activities
Hands-on Gardening

T KITCHEN & CUTTING GARDEN

V LILY POOL

Pavilion
Cascading Pools



The Woods

- Family Moments Trail:
- Nature play stations
- Treehouse & Canopy Walk
- Birding

Prairie
- Maze

Cypress Pond

Interactive Water

Service Area

S
Service Parking

Hands-on Gardening

- Chickens
- Demonstration
- bee-hive

**Option B
Master Plan Supplement**

Kingwood Center Gardens
Mansfield, OH

April 30, 2015
Revised: June 20, 2015





Symbols Legend





Trails

-  Charles Kelley King Trail
-  King Trail Shortcuts
-  Display Garden Trail
-  Nature / Woodland Trail
-  Ferns / Budding Gardeners Trail

Budding Gardeners Moments

-  Existing Budding Gardeners Moments
-  Proposed Budding Gardeners Moments

Proposed Interactive Moments

-  Orientation
-  Identification & Interpretation
-  Wayfinding (To Be Determined)
-  Inter-Builder Space

**Draft
Interpretive Key Plan**

Kingwood Center Gardens

Kingwood Center Gardens, LLC
11111 Park Ave., Kingwood, TX 75361
713.281.1111

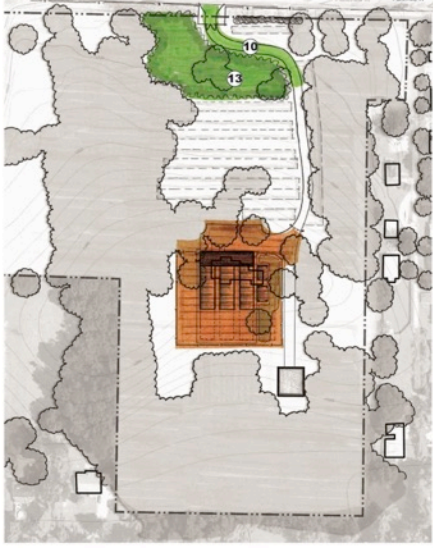
April 22, 2014
Revised 4/24/14
Kingwood Center Gardens, LLC
11111 Park Ave., Kingwood, TX 75361
713.281.1111

April 22, 2014

Revised 4/24/14

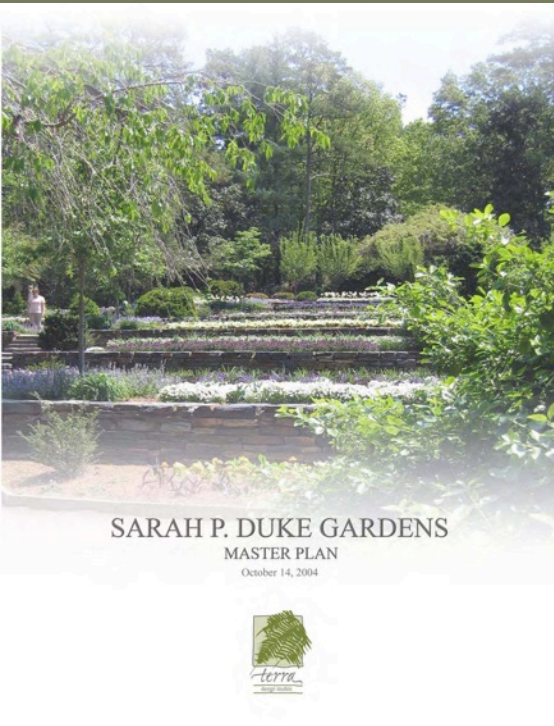
Kingwood Center Gardens, LLC
11111 Park Ave., Kingwood, TX 75361
713.281.1111





- PHASE 1 IMPROVEMENTS** (Target Completion: Spring 2016)
- 1 FAMILY GARDEN MOMENTS TRAIL
 - 2 MEETING HALL RENOVATIONS
 - 3 FLOWERING TREE GROVES
 - 4 TRIMBLE AVE. ENTRANCE
 - 5 PARK AVE. WEST SIGN
 - 6 TERRACE GARDEN THEMING
 - 7 NEW FLAG POLE
 - 8 TRIAL GARDEN
 - 9 GARDEN VEHICLE MAIN LOOP
 - 10 REALIGN TOWNSEND PROPERTY DRIVEWAY
 - 11 WOODLAND GARDEN STORMWATER IMPROVEMENTS
 - 12 ACCESSIBLE PATHS TO FORMAL GARDEN
 - 13 PUMPKIN PATCH
 - 14 TRAVELING EXHIBITS (not shown)
- PHASE 2A IMPROVEMENTS**
- 15 PARTIAL GREEN AUTO GARDEN
 - 16 VISITOR CENTER & GARDENS
 - Welcome Terrace
 - Druffen Fountain Terrace
 - 17 PERENNIAL GARDEN
 - Accessible Path & Emergency Access
 - Pavilion
 - 18 ALLEE
 - Minor horticultural improvements
 - 19 NORTH TERRACE
 - Minor horticultural improvements
 - 20 KINGWOOD HALL FORECOURT
 - Hill open to the public
 - Forecourt hardscape and planting improvements
- PHASE 2B - PRODUCTION CENTER**
- PHASE 2C - HORTICULTURE WING**
- PHASE 2D - FAMILY GARDEN**

Final Master Plan Phase



- Refine stakeholder feedback into Final Master Plan package
- Prepare Master Plan Report (?)



Products: Final Master Plan Phase



SYMBOLS LEGEND

Structures & Utilities

- Property Line (approximate)
- Existing Building
- Proposed Building
- Telle or arbor
- Water features
- Walls
- Perimeter fence
- Service area fence
- Family Garden fence

Construction

- Vehicular drive
- Pedestrian path
- Telle
- Street paving
- Service access
- Ring gate or structure
- Viewshed
- South View

Planting by Type

- Existing trees
- Existing significant trees
- Shade tree
- Evergreen tree
- Ornamental tree
- Screening (deciduous & evergreen material)
- Hedge
- Climate planting
- Natural planting
- Turf grass
- Biorette

Grass Key

- Deciduous garden area
- Native garden area
- Structures and infrastructure

A GREEN AUTO GARDEN

- B VISITOR CENTER**
Welcome Terrace
Outdoor Retail
Outdoor Cafe Seats

C PERENNIAL GARDEN

- D ALLEE**
Cypress Fountain Terrace
North Terrace

E KINGWOOD HALL

- F WOODLAND GARDEN**
Am-J Stormwater Exhibit
Pool & Slatted
Shrubbery & Fairy Houses

G FORMAL GARDENS

- H RIS & DAYLILY GARDEN**

I TERRACE GARDEN

- Refreshed Site & Palmetto Garden

J GREENHOUSE RUIN

- Shaded Architecture
Garden Ramming
Shrubhouse Display
Heritage / Historical Display

K COURTYARD

- Workshop & Exhibit Space
Meeting Hall & Breakout Space
Exhibit Hall & Edible Container Terrace

L KITCHEN & CUTTING GARDEN

- Wood Fired Oven Pavilion
Pine Gardening Display
Pongee & Orchard

M POCKET GARDENS

- Pavilion Garden
Herb Garden

N TRIAL GARDEN

O FAMILY GARDEN

- Family Education Center
Nature Fertilized Activities
Hands-on Gardening
Immersive Water Feature
Tree House Canopy Walk

P LILY POOL

- Wading Pavilion
Cascading Rocks
Recessed Rose and Peony Display

Q HORTICULTURE & MAINTENANCE BLDGS

R GATEHOUSE

- Reception & Small Meeting Room

S PRODUCTION CENTER

- Remove Toward Structure
Production Houses, Smiling & Storage
Pumpkin Patch
Existing Storage Building

Master Plan





Symbols Legend

Interpretive Data

- Charles Kufley King Trail
- King Trail Enclosure
- Display Garden Trail
- Nature / Woodland Trail
- Family / Building Garden Trail

Building Garden Moments

- ★ Existing Building Garden Moments
- ★ Proposed Building Garden Moments

Wayfinding Data

- ID Identification
- ★ Orientation (Includes Interpretation & Wayfinding)
- + Wayfinding Sign

Conceptual Interpretive Elements

- ★ Viewing Portal
- Indoor Exhibit Base

Note: Individual interpretive panel locations & content to be determined in future phases of work.

Viewing Portals

Note: Viewing portals are dependent upon historic, aerial toned pictures. Specifically the photographic era, quality and location on the property.

- A** Alee (Central Mall)
- B** Swimming Pool or Formal Gardens
- C** Terrace Garden
- D** Greenhouses
- E** Meeting Hall, Exhibit Hall & Workshop (Storage and Offices)
- F** Rose Garden
- G** Lily Pool

Interpretive Key Plan

Kingwood Center Gardens

March 2014

Interpretive Key Plan

Interpretive Key Plan

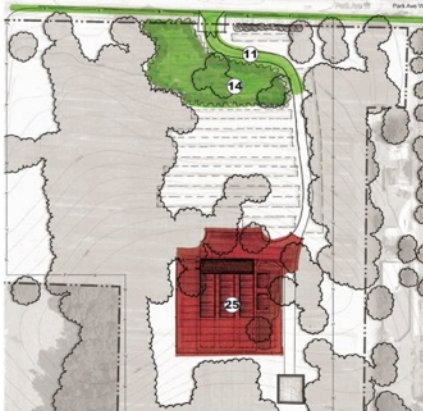
Interpretive Key Plan

April 23, 2014

Interpretive Key Plan

Interpretive Key Plan

Interpretive Key Plan



PHASE 1 IMPROVEMENTS (Target Completion: Spring 2016)

- ★ Improvement that adds perceived value to visitor experience & validates increasing the admission charge in 2016.
- ★ 1 FAMILY GARDEN PHASE 1
- ★ 2 TERRACE GARDEN THEMING
- ★ 3 TRIAL GARDEN
- ★ 4 SPRING CELEBRATION GROVE
- ★ 5 TRAVELING EXHIBITS (not shown)
- 6 MEETING HALL RENOVATIONS
- 7 WOODLAND GARDEN CONCEPT DESIGN & STORMWATER IMPROVEMENTS
- 8 TRIMBLE AVE. ENTRANCE
- 9 PARK AVE. WEST SIGN
- 10 GARDEN VEHICLE MAIN LOOP
- 11 REALIGN TOWNSEND PROPERTY DRIVEWAY & PARK AVE ORNAMENTAL FENCING
- 12 ACCESSIBLE PATHS TO FORMAL GARDENS
- 13 NEW FLAG POLE
- 14 PUMPKIN PATCH
- 15 KINGWOOD HALL OPEN TO PUBLIC DURING REGULAR ADMISSION HOURS
- 16 DEVELOP INTERPRETATION ACTION PLAN & ANNUAL INTERPRETATION IMPLEMENTATION PLAN (not shown)
- 17 UPDATE & ENHANCE WEBSITE (not shown)

PHASE 2 IMPROVEMENTS

- 18 PARTIAL GREEN AUTO GARDEN
 - Minor Horticultural Improvements
- 19 VISITOR CENTER & GARDENS
 - Welcome Terrace
 - Drafton Fountain Terrace
- 20 PERENNIAL GARDEN
 - Accessible Path & Emergency Access
 - Pavilion
- 21 ALLEE
 - Minor Horticultural Improvements
- 22 NORTH TERRACE
 - Minor Horticultural Improvements
- 23 KINGWOOD HALL FORECOURT
 - Forecourt Hardscape and Planting Improvements

PHASE 3 IMPROVEMENTS

- 24 FAMILY GARDEN
 - Signature Themed Garden
 - Family Education Center
 - Nature Play-based Activities
 - Hands-on Gardening
 - Interactive Water Feature
 - Tree House Canopy Walk
- 25 PRODUCTION CENTER
 - Remove Townsend Structure
 - Production Offices, Staff Offices & Storage
- 26 HORTICULTURE WING



1 FIRST IMPRESSION OF VISITOR CENTER FROM GREEN AUTO GARDEN



2 DRAFFAN FOUNTAIN TERRACE FROM WELCOME TERRACE



3 ALLEE AND DRAFFAN FOUNTAIN FROM NORTH TERRACE

Perspective Sketches

Kingwood Center Gardens
 Mansfield, OH

August 25, 2015

Terra Design Studios, LLC
 2115 South Street Pittsburgh, PA 15203
 Phone: (412) 481-3171

Stonycreek
 environmental consulting





SARAH P. DUKE GARDENS
MASTER PLAN

October 14, 2004

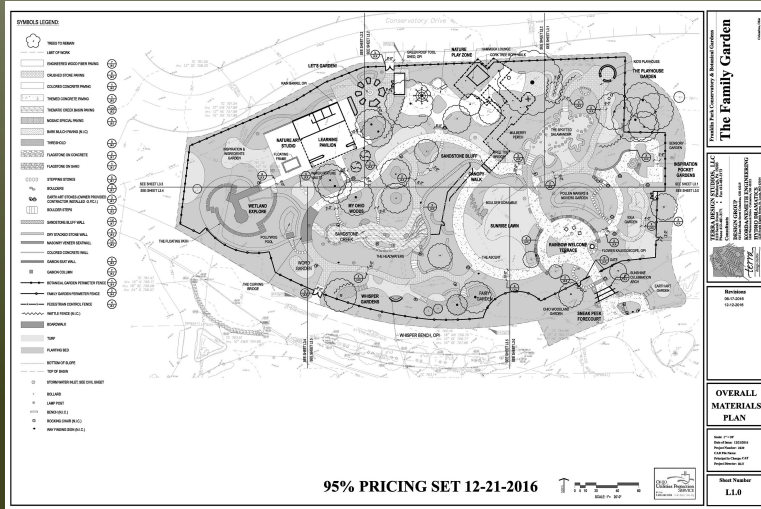


Fund Development Phase 12-18 months

- Master Plan team develop fundraising support documents (?)
- Feasibility Study by Capital Campaign Counsel
- Silent and Public phases of Capital Campaign (Master Plan team support?)
- Begin full-service design phase when Capital Campaign reaches “comfortable threshold”.



Full Service Design & Construction Phase 24 months +-



- Schematic Design through Construction Document Preparation (9-12 months)
- Bid Award and Mobilization - Begin Construction (2 months)
- Construction Administration (9-12 months)
- Open First Phase of the Master Plan to Public!!





Master Planning for a New Public Garden

Mining Reclamation Site



1870's Bayer Welcome Center



Davidson Event Center



Pierce Celebration Garden



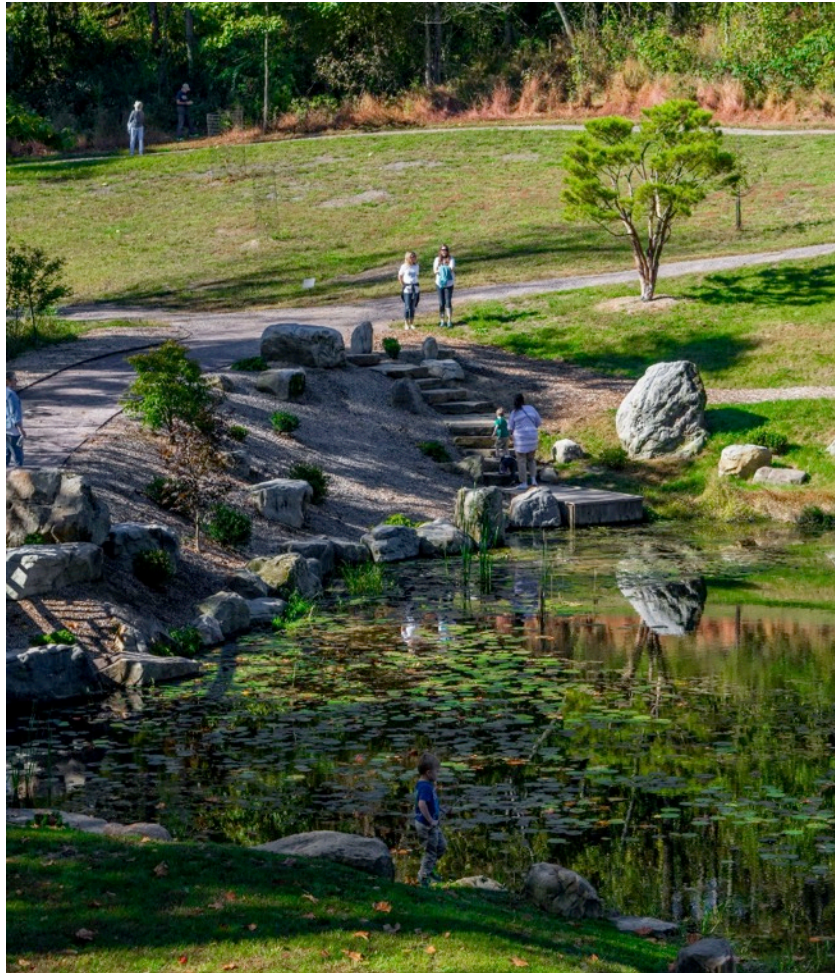
1855 Farmhouse - Administration Building



Heritage Homestead with 1780's Log House



Japanese Garden with Lotus Pond



Margaret Lawrence Simon Dogwood Meadow



Woodlands to Explore



Land Clearing – Future Garden Sites



From an Idea to Opening the Gates! Master planning for a new public garden.

Pittsburgh Botanic Garden – Here's what happened:

1988 First idea to have a public garden with outdoor gardens and collections

1991 Incorporated as a 501(c)3 not-for-profit organization

1994 Site selection begins

1998 Lease signed for 432 acres with Allegheny County for 99-years

1999 Fundraising for master planning begins

2001 National search selects MTR Landscape Arch. & Overland Partners Arch.

2002 First Executive Director hired

2003 Design team completes comprehensive master plan and 20 acres added

2004 Hurricane Ivan floods abandon mines releasing acid mine drainage

2006 State funds provides \$5M for infrastructure improvements

2008 Reclamation of former coal mine work begins

2011 First plantings take place

2012 Additional 6 acres added to lease for total of 460, including log house, farm house and barn - this provided a means of opening to public

2015 Garden officially opens April 1st

2016 Master plan updated

2017 Prioritization of plan, moved into Site Development Planning

2018 It's been 30 years!

Fundamentals of Master Planning for Small Gardens

2016 Master Plan



Points to Consider –

Master Plan is a road map. You have an organization and a site. So, with the plan leading the direction, you will get to the end. However, the route taken most likely will vary.

This Plan is an evolving process.

Mission Statement update:

Pittsburgh Botanic Garden inspires people to value plants, garden design and the natural world by cultivating plant collections of the Allegheny Plateau and temperate regions, creating display gardens, conducting educational programs and conserving the environment.

Name change – Horticulture Society of Western Pennsylvania (1988),
Botanic Garden of Western Pennsylvania (2003)
Pittsburgh Botanic Garden (2010)

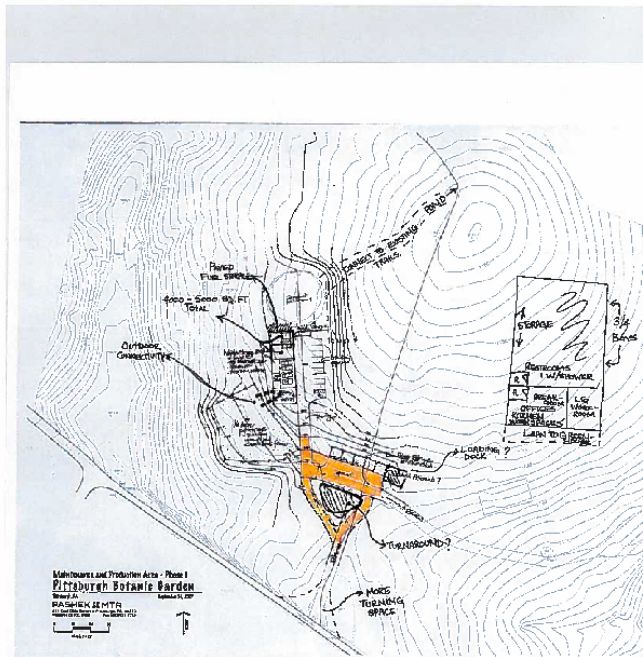
Fundamentals of Master Planning for Small Gardens

- OK to make changes; this shows flexibility
- Often plans are different than reality after you open. Be adaptable.
- Staff / Board responsibilities evolve
- Staff changes bring different direction
- Get open!! The community will come.



Site Planning

- New Welcome Center
- Auto Garden
- Horticulture & Maintenance Facility



Two New Gardens

- Hillside Pollinator Garden
- Garden of the Five Senses



Hillside Pollinator Garden at Pittsburgh Botanic Garden

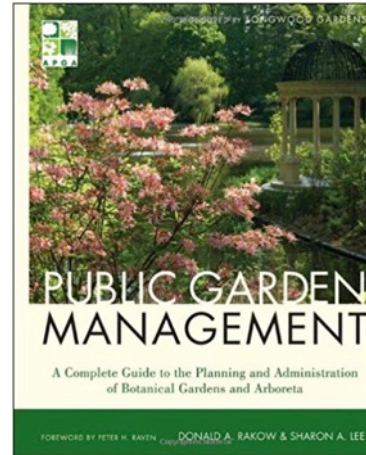
- Cultivars of native species of plants which thrive well in the Allegheny Plateau.
- Education for visitors on ecological importance of native plants and wildlife. A baseline of wildlife activity will be capture before installation and a network of volunteers will conduct pollinator and wildlife counts to determine impact of the garden.
- Storm water best practices in artful ways as a steep grassy hillside changes into a planted area. The slowdown of water will take place through retention.
- ADA-compliant path that includes switchbacks for ease and comfort in walking as well as opportunities within seating areas to interact with the butterflies or view other display areas.
- Timeline for construction has shifted to begin last winter with completion by summer 2018.

Pittsburgh Botanic Garden inspires people to value plants, garden design and the natural world by cultivating plant collections of the Allegheny Plateau and temperate regions, creating display gardens, conducting educational programs and conserving the environment.



Resources

Public Garden Management
by Donald Rakow and Sharon Lee



New and Emerging Public Gardens Trailmap

A current body of work being prepared by Longwood Fellows Neil Gerlowski, Kaslin Daniels and others. This trailmap outlines the process to follow for creating a new public garden. To be release at the APGA Annual Conference in June.



Keith S. Kaiser, Executive Director
Pittsburgh Botanic Garden
412-444-4464 ext. 225
kkaiser@pittsburghbotanicgarden.org

“Turn and face the ~~strange~~ *strain* / Ch- ch- changes...
1971, David Bowie

Tucson Botanical Gardens



Tucson Botanical Gardens

Master Plan
October, 2002

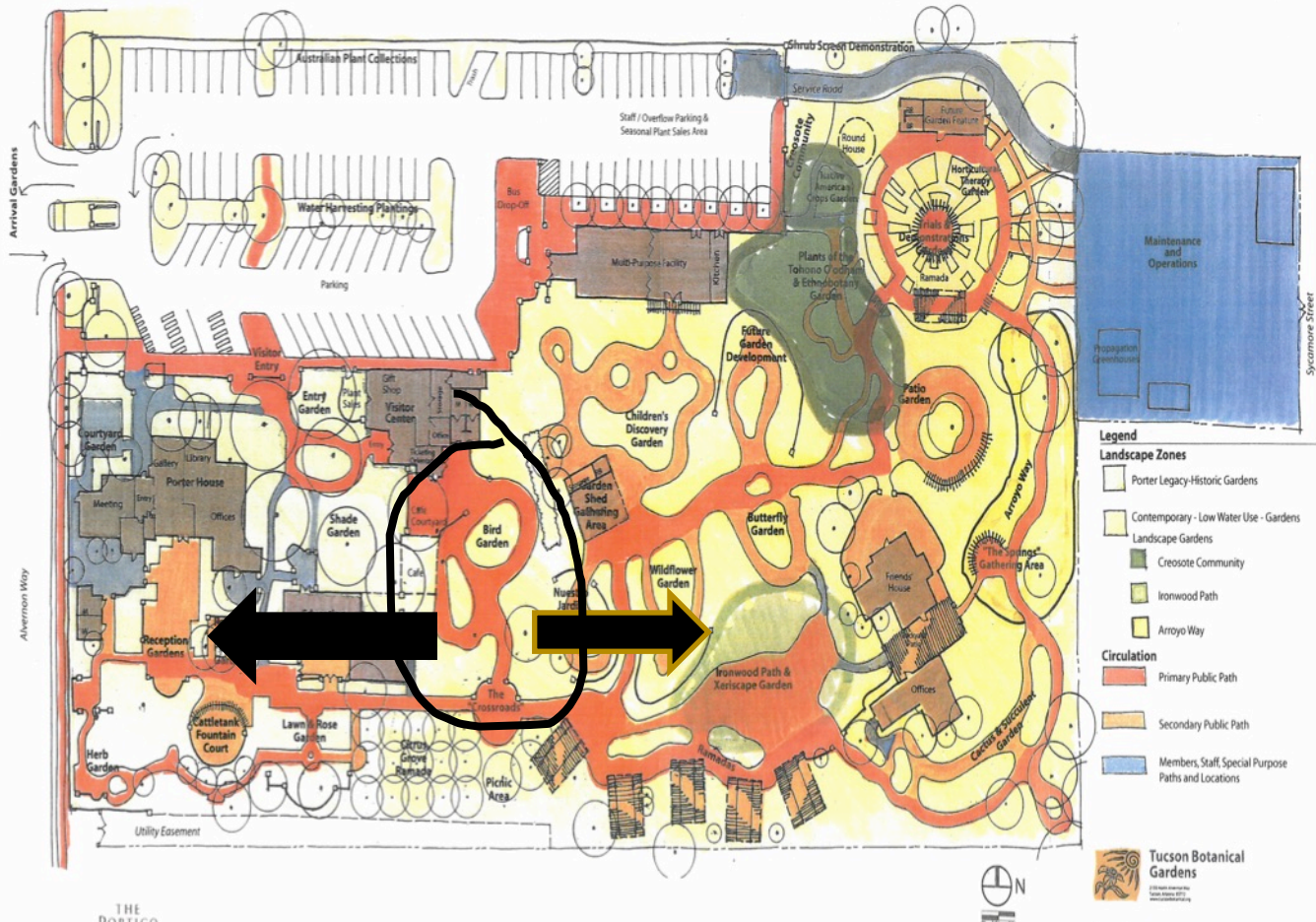
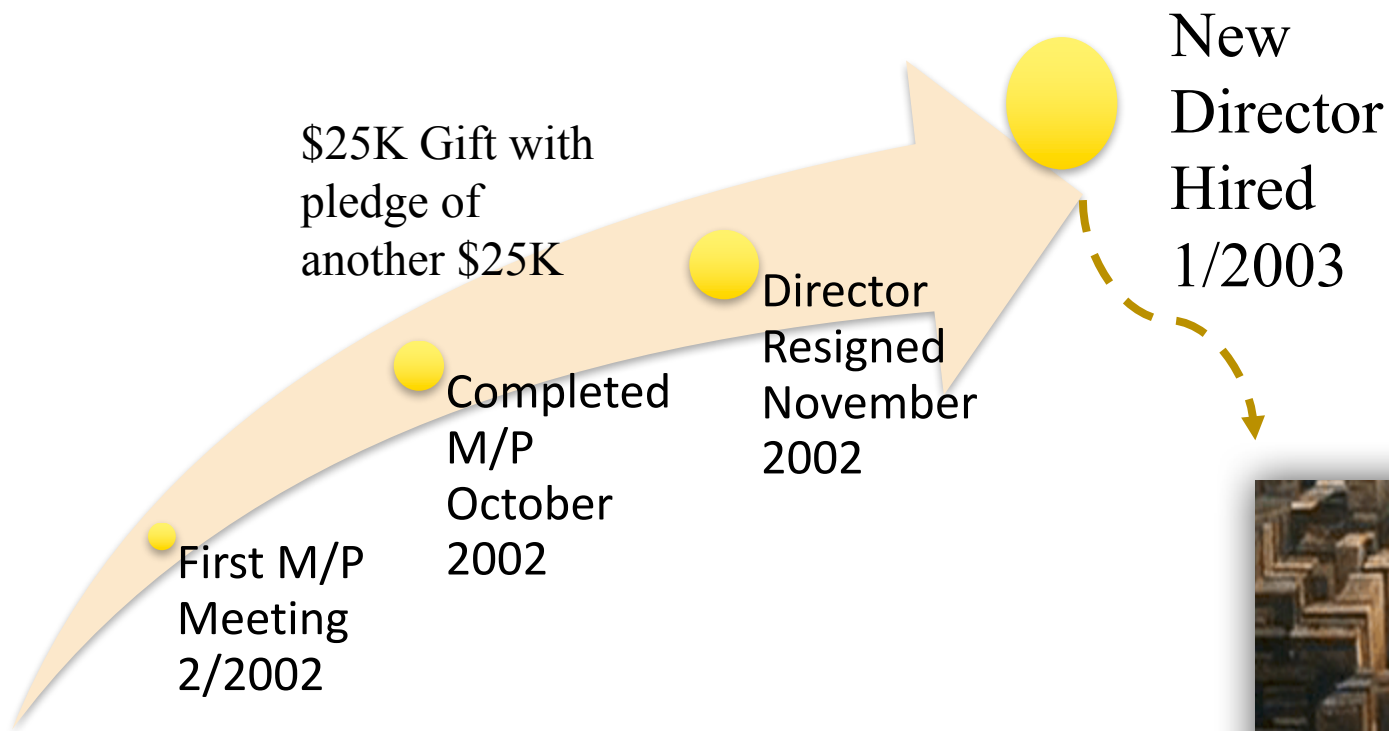


Figure 3
Master Plan
Landscape Zones / Circulation Plan
October 2002

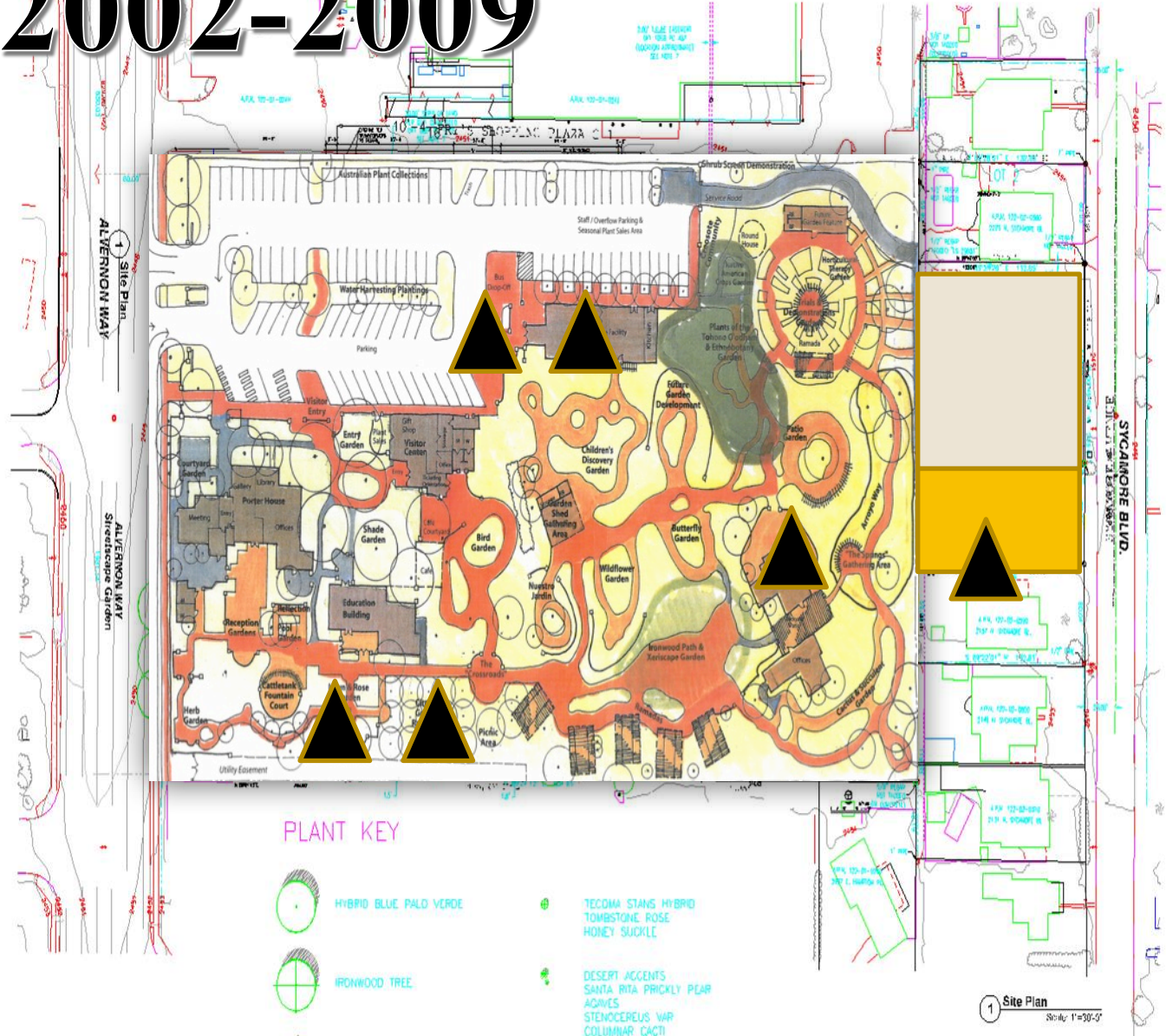
THE PORTICO GROUP
217 First Street, Second Floor
Seattle, WA 98101-1000 USA
206.467.2196 F. 206.467.2198
www.porticogroup.com

THE PORTICO GROUP



1. Indoor Tropical Butterfly House
2. Café
3. Pavilion (the white elephant)
4. Purchased Home
5. Zen Garden
6. Began developing capital project: new visitor center

2002-2009



The Fridlund Group, Inc.
PO Box 46698, Tucson, A.Z. 85717 520 684-9447

Flowing Palo Verde Tree Concept
Tucson Botanical Gardens
2150 North Alvernon Way, Tucson, Arizona 85712



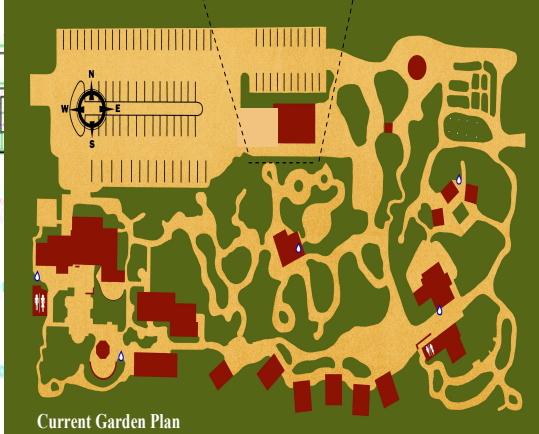


- Legend**
- Landscape Zones**
- Porter Legacy-Historic Gardens
 - Contemporary - Low Water Use - Gardens Landscape Gardens
 - Creosote Community
 - Ironwood Path
 - Arroyo Way
- Circulation**
- Primary Public Path
 - Secondary Public Path
 - Members, Staff, Special Purpose Paths and Locations



Figure 3
Master Plan
Landscape Zones / Circulation Plan

2010-2015



1 Site Plan
Scale: 1" = 30'-0"

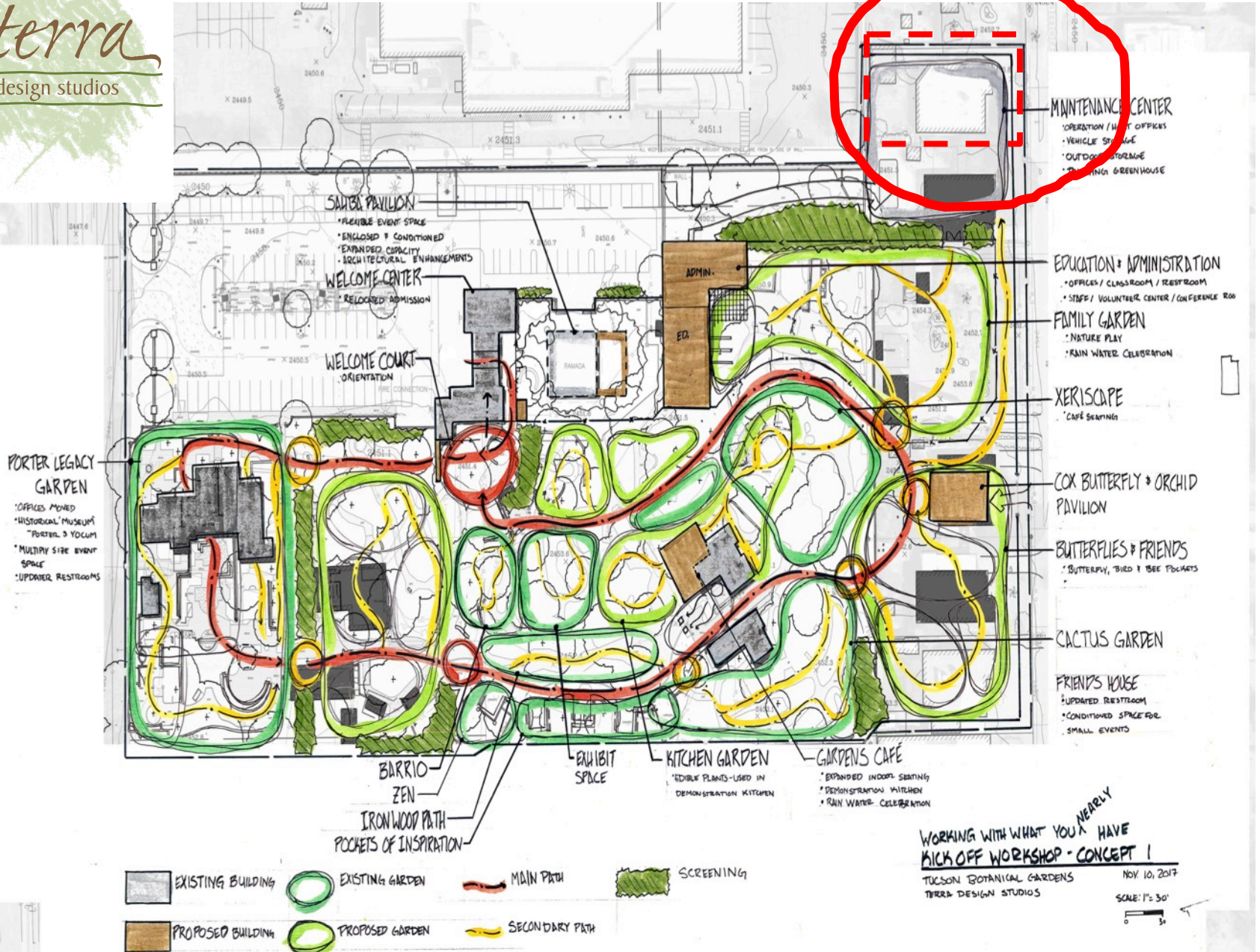


The Fridlund Group, Inc.
PO Box 40698, Tucson, AZ 85717 520.954.4417

Flowing Palo Verde Tree Concept
Tucson Botanical Gardens
2150 North Alvernon Way, Tucson, Arizona 85712



1. Larger Butterfly & Orchid Pavilion
2. Space for Special Events/Lectures
– 250/300
3. Food Service
- 4. MORE PARKING!!!!**



WORKING WITH WHAT YOU HAVE
KICK OFF WORKSHOP - CONCEPT 1

TUCSON BOTANICAL GARDENS
TERRA DESIGN STUDIOS

NOV 10, 2017

SCALE: 1" = 30'



N Sycamore Blvd

N Sycamore Blvd

Tucson Botanical Gardens

E Hampton Pl

N Alvernon Way

Yume Japanese Gardens of Tucson







Garden Neighbor

Hey Michelle – Did you hear the news?

Michelle

What?

Garden Neighbor

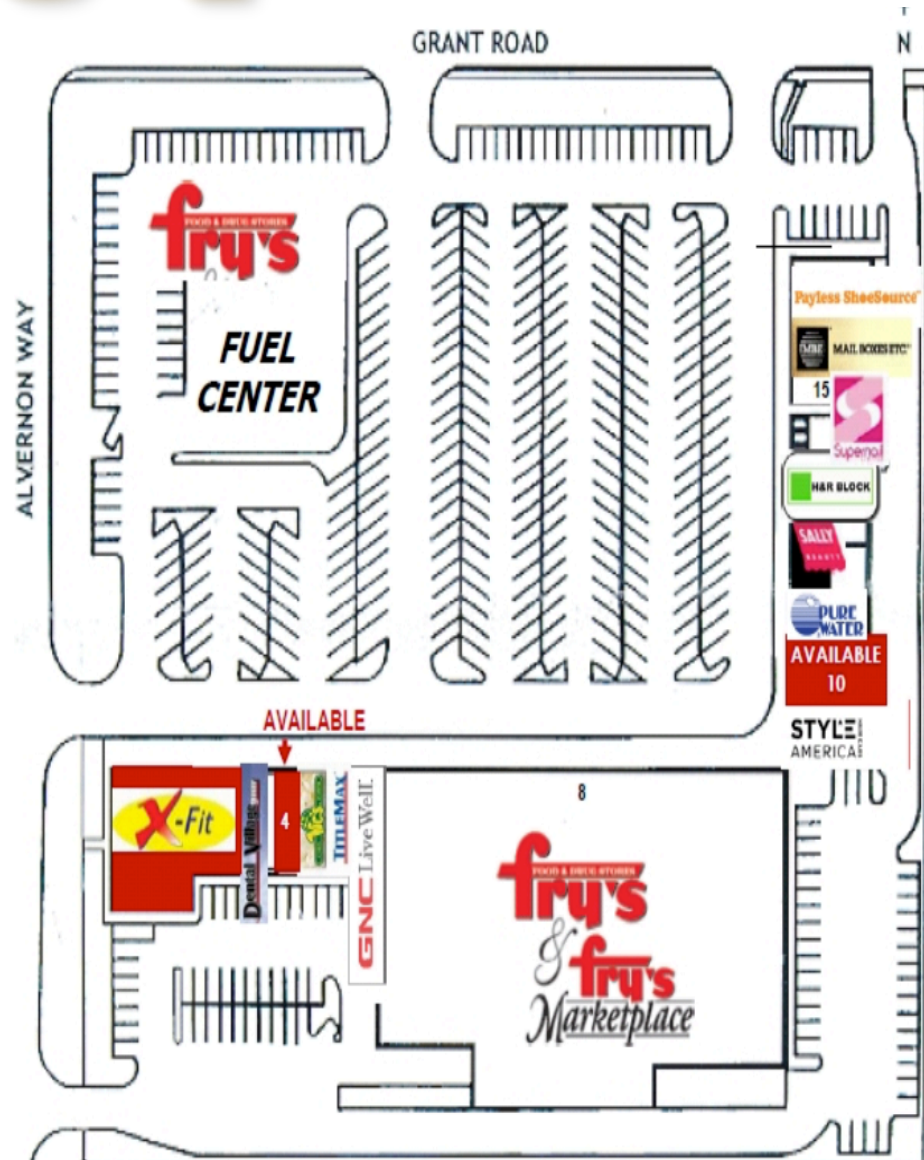
My friend's, friend told me that her brother,
who knows a cashier who works at Fry's
Grocery Store, told him...

“Fry’s Grocery is
moving out – and it’s
going to happen
soon.”



The Game Changer

339+ Parking Spaces!





Cashbox Jewelry & Pawn

Fry's Fuel Center

Circle K



The UPS Store

Iora Primary Care



Chase Bank



TitleMax Title Loans



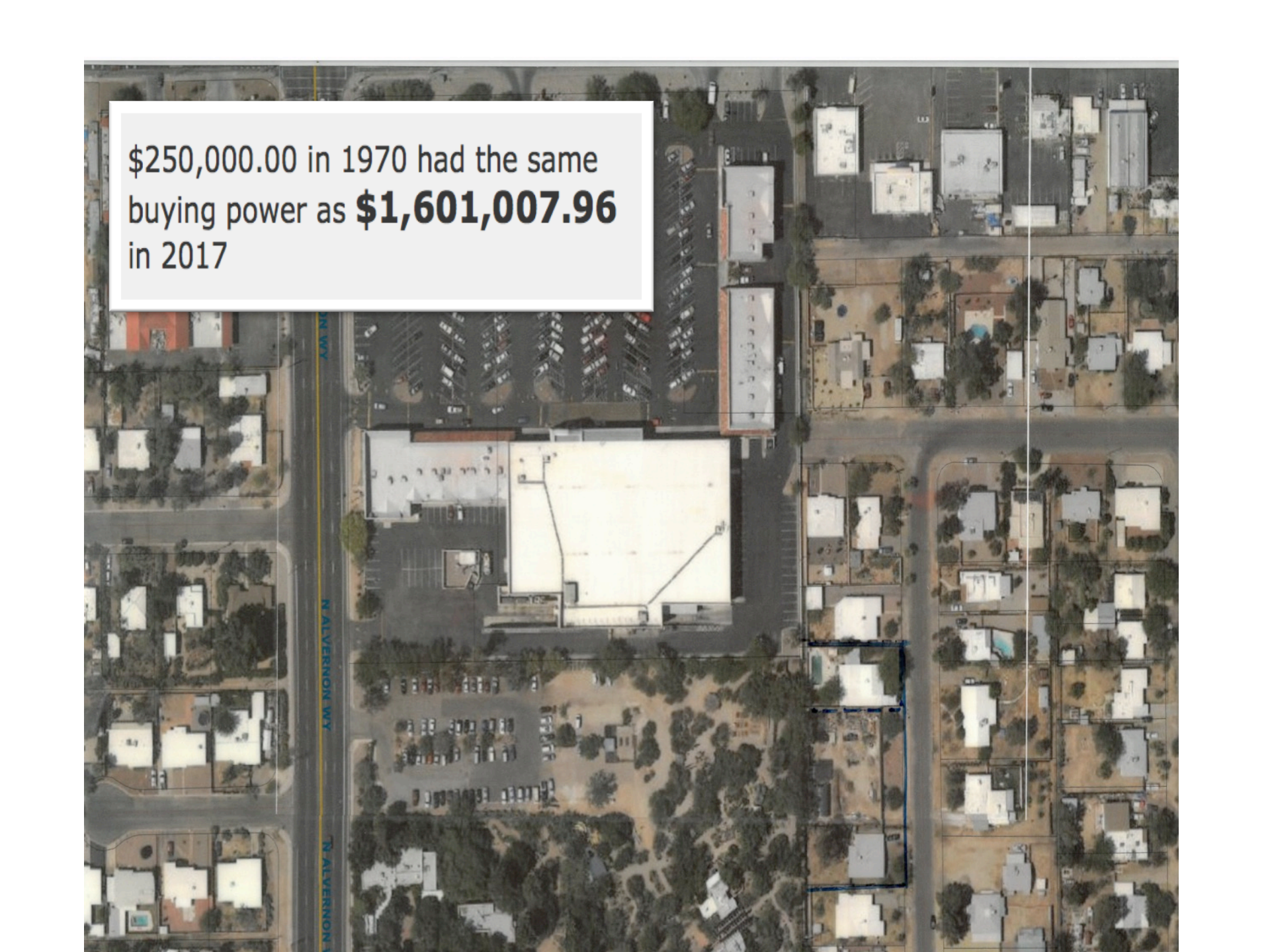
Fry's Pharmacy



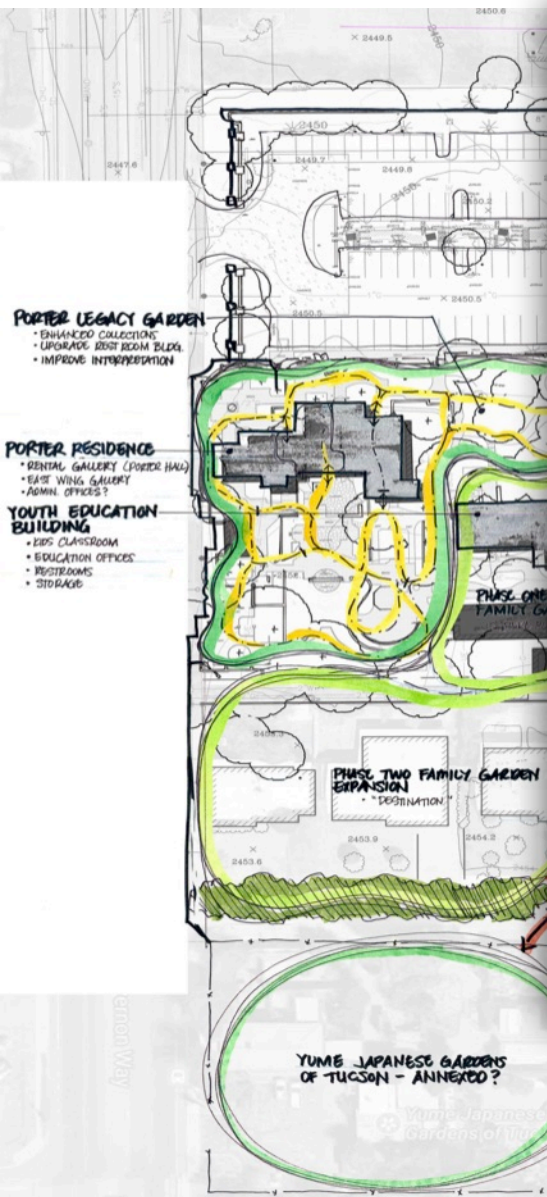
Fry's Food And Drug

Tucson Botanical Gardens



An aerial photograph of a neighborhood. In the center, there is a large, white, rectangular commercial building with a flat roof. To its left is a large parking lot filled with cars. To the right of the commercial building is a residential area with several houses, some with swimming pools. A street labeled 'N ALVERNON WY' runs vertically through the center of the image. A blue rectangular outline highlights a specific residential lot in the lower right quadrant. A white text box is overlaid in the upper left corner.

\$250,000.00 in 1970 had the same
buying power as **\$1,601,007.96**
in 2017



PORTER LEGACY GARDEN

- ENHANCED COLLECTIONS
- UPGRADE BEST ROOM BLDG
- IMPROVE INTERPRETATION

PORTER RESIDENCE

- RENTAL GALLERY (PORCH HALL)
- EAST WING GALLERY
- ADMIN OFFICES?

YOUTH EDUCATION BUILDING

- 200'S CLASSROOM
- EDUCATION OFFICES
- RESTROOMS
- STORAGE

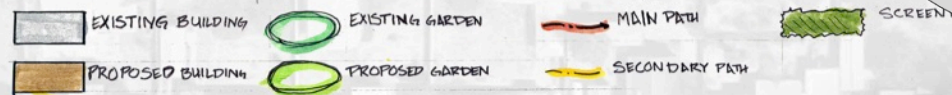
PHASE TWO FAMILY GARDEN EXPANSION

- DESTINATION

YUME JAPANESE GARDENS OF TUCSON - ANNEXED?

EVENT & OVERFLOW AUTO GARDEN (115 SPACES?)

- SUSTAINABILITY MESSAGE PROJ.



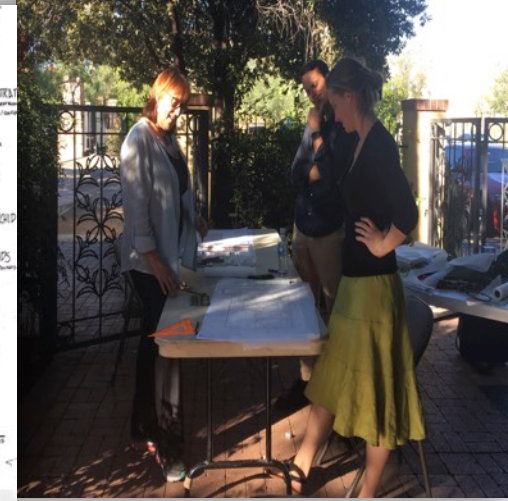
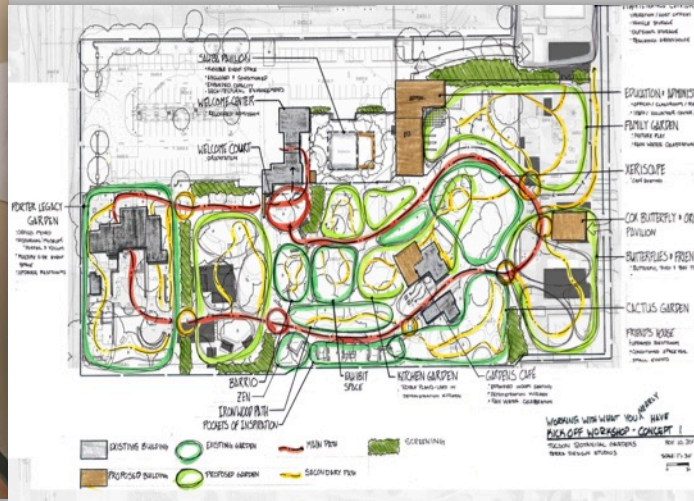
SOUTHERN COMFORT KICOFF WORKSHOP CONCEPT 2

TERRA DESIGN STUDIOS 11-10-17
1" = 30'

BIG MONEY
SOUTH HOUSE
TER
OFFICE/
MEETING
TOE
PLACES

GreenWay
NaveonWay

PAGE NUMBER
PAGE



1. Leadership Buy-In

1. Executive Director/CEO
2. Board

2. A Diverse Core Committee

1. Risk Takers & Visionaries
2. Diverse Community

3. Expect the Unexpected

4. A Master Plan

It's a plan, not a legal contract!



American
Public Gardens
Association

2018 Small Garden Symposium
Big Ideas for Small Gardens

Session 5: January 9, 2018

Questions?



Michelle Conklin, Executive Director
execdirector@tucsonbotanical.org



Cindy Tyler, Principal
ctyler@terradesignstudios.com



Keith S. Kaiser, Executive Director
kkaiser@pittsburghbotanicgarden.org