

ST. MARK'S

PRESBYTERIAN CHURCH



THE DRACHMAN INSTITUTE
COLLEGE OF ARCHITECTURE AND LANDSCAPE ARCHITECTURE
THE UNIVERSITY OF ARIZONA · TUCSON, ARIZONA



**COMMUNITIES
PUTTING PREVENTION
TO WORK**



THE DRACHMAN INSTITUTE

COLLEGE OF ARCHITECTURE AND LANDSCAPE ARCHITECTURE
THE UNIVERSITY OF ARIZONA · TUCSON, ARIZONA

THE DRACHMAN INSTITUTE

The Drachman Institute is a research and public service unit of the College of Architecture and Landscape Architecture at the University of Arizona, dedicated to the environmentally sensitive and resource-conscious development of neighborhoods and communities. The Drachman Institute dedicates its research and outreach activities to the proposition that housing is the building-block of neighborhoods, and neighborhoods are the building-blocks of communities.

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CPPW

Communities Putting Prevention to Work (CPPW) is a national initiative of the Centers for Disease Control and Prevention (CDC).

The goal is to prevent or reduce the spread of obesity and related diseases by increasing opportunities for improved nutrition and active living. The method is implementation of policy, systems and environmental change. Pima County was one of 44 communities nationwide to receive funding for the CPPW grant, part of the American Recovery and Reinvestment Act of 2009.

CPPW is being developed and administered by the Pima County Health Department, in partnership with Activate Tucson, a coalition advocating healthy eating and active living.

A *Let's Move* toolkit for faith-based and neighborhood organizations can be linked to from the website

<http://www.hhs.gov/fbci/index.html>.



TABLE OF CONTENTS

Introduction & Context	4
Focus Area	6
Site Elements	7
Site Views and Analysis	8
Conceptual Master Plan—North	16
Conceptual Master Plan—South	18
2nd Street Curb Cuts	20
2nd Street Entrance	21
Shaded Seating—Ramadas	22
Labyrinth	23
Central Gathering Space	24
Garden Space	26
Trench	27
Water Harvesting Tank	28
Basketball Court	29
Walking Paths	30
Watershed Management Group	32
Water Harvesting Garden	33
Recommended Plant Materials	34
Project Summary	35
Funding Sources	36
Partnerships	38
Appendix	39
Credits	43

INTRODUCTION & CONTEXT

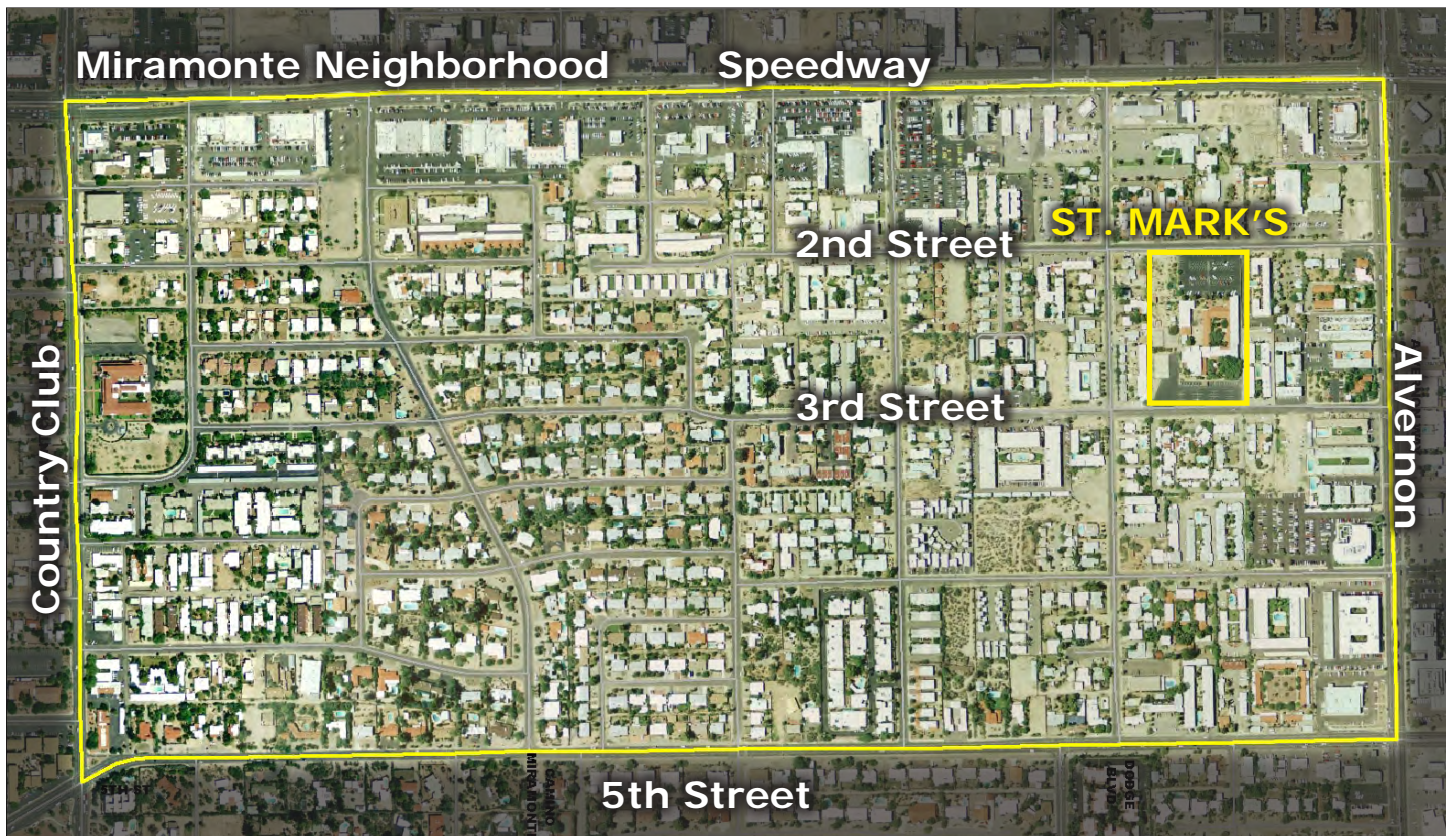
This document focuses on developing the west side of St. Mark's Presbyterian Church into a park-like setting. The space is intended to be used by members of the congregation, neighborhood residents and visitors alike.

St. Mark's is within the Miramonte neighborhood. The neighborhood is roughly one-half square mile, extending a half mile between Speedway Boulevard on the north and Fifth Street on the south and a mile between Alvernon Way, on the east and County Club Road, on the west. Third Street, the main east-west street is a designated bike route used by bicyclists, pedestrians and motorists.

St. Mark's is between 2nd Street to the north and 3rd Street to south.



St. Mark's is in the Miramonte neighborhood.



In the Miramonte Master Plan, St. Mark's is a Node of Interest on a proposed "Neighborhood Ramble." Development of the west side open space will provide a clear route for users to take as they journey through the neighborhood.



The Neighborhood Ramble, from the Miramonte Master Plan.



Miramonte Park is a small neighborhood park also on the Neighborhood Ramble. It is a destination for residents in Miramonte neighborhood.



St. Mark's south side.

FOCUS AREA

The area of focus is on the west side of campus in a largely open space.



AREA OF FOCUS



SITE ELEMENTS

North/south arches

Unmaintained
open area with
trees and path

Small roofed area

East/west arches

Tucson Organic
Gardener's
Community Garden

Large trench

Unused concrete
pads

Tucson Water well

Basketball Court

Parking lot

Second Street

Second Street
parking lot

North entrance

St. Mark's
Preschool and
playground

South entrance

Third Street
parking lot

Third Street

SITE VIEWS AND ANALYSIS.....



1 From Second street looking south into the site. There are several similar archways that run in a line from north to south. The arch on the north end offers the potential for an enhanced entry into the site. Curb cuts and basins could provide rainwater harvesting opportunities using street runoff.



2 Within the site looking north towards additional arches. Many trees have been planted and topography created. This shows a raised walking path. Weedy tree species and other unwanted plants have also come up and the site is not well maintained.



3 Looking north from the interior towards the Second Street arch. A shaded area adjacent to the parking lot. Water from the parking lot drains into this area. There is no lighting in the area.



4 Looking west from within the site. In this area are several varieties of cactus and succulents including prickly pear, cholla and agave species.

SITE VIEWS AND ANALYSIS



5 Looking north through arch toward Second Street. The cactus and succulent area is on the left.



6 Looking east towards an arch that leads to the Second Street parking lot, preschool and northern church entrance. Several fruit trees are planted in this space that is part of the Tucson Organic Gardener's Community Garden which extends to the south.



7 Looking west toward composting areas used by the Community Garden.



8 Looking west into central arch configuration which could become a gathering space. The covered structure at the far end was painted by school children. The trees in the middle ground are fruit trees.

SITE VIEWS AND ANALYSIS



10 Looking south within Community Garden. The garden club holds regular meetings and hosts events and sales at St. Mark's.



11 Looking north within Community Garden.



12 Looking east within Community Garden towards St. Mark's Preschool. It was noted by a garden and church member that the air conditioners were placed directly in front of Preschool windows blocking views and light. The chain link fence was added to prevent theft of unit materials.



13 Looking west into a trench. The steep banks show erosion and weedy plants are growing in it. Observations show the flow of water draining south of here in an area used as a pedestrian path.

SITE VIEWS AND ANALYSIS



14 Looking north. Pooling occurs in the low area and a wet spot is visible in the above image. Roof runoff may contribute to this and rainwater tanks would help reduce water in unwanted areas and direct it into planting beds.



15 Looking north. The white structure on the right is the No More Death's trailer and might be decorated by church and community members.



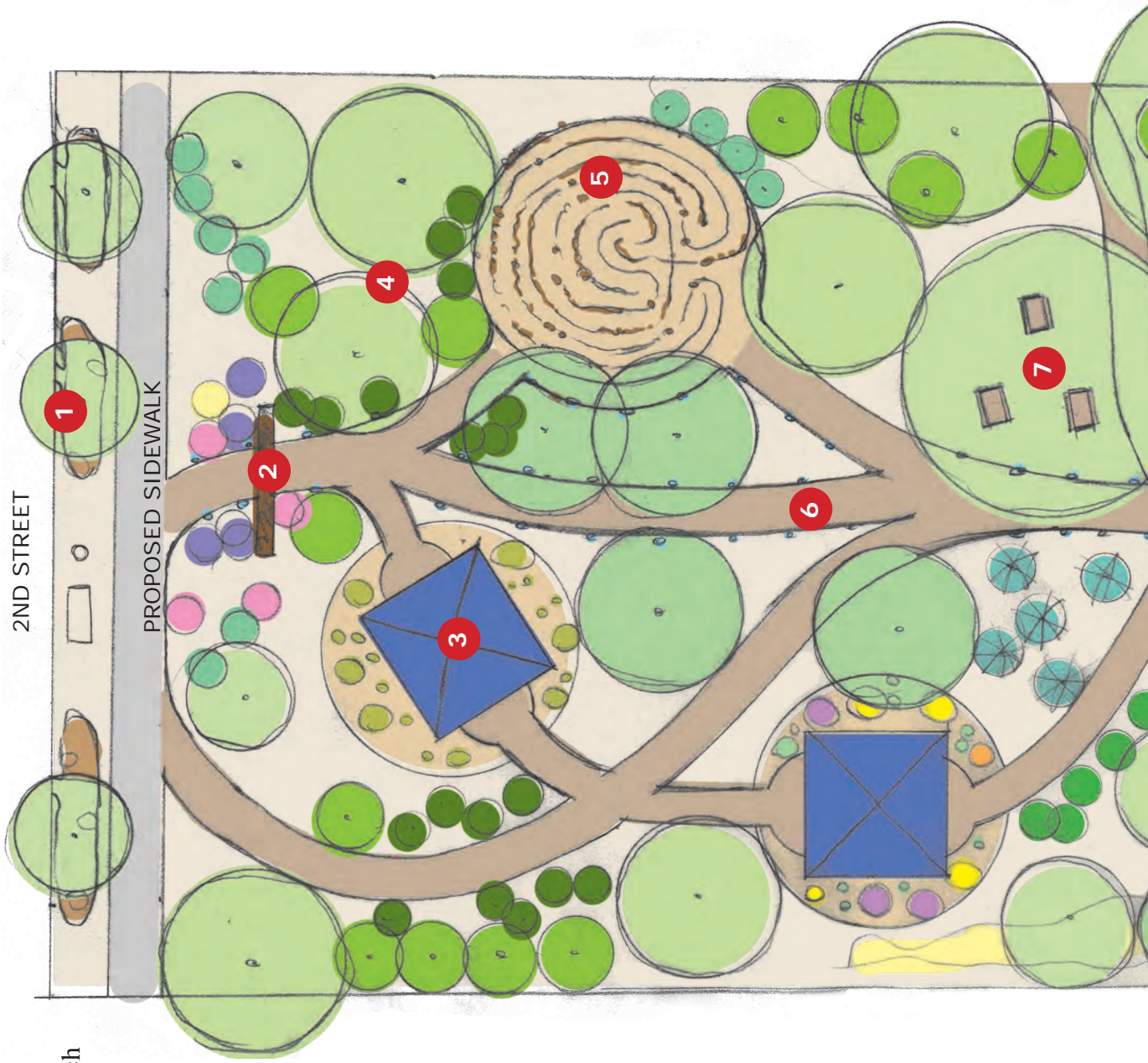
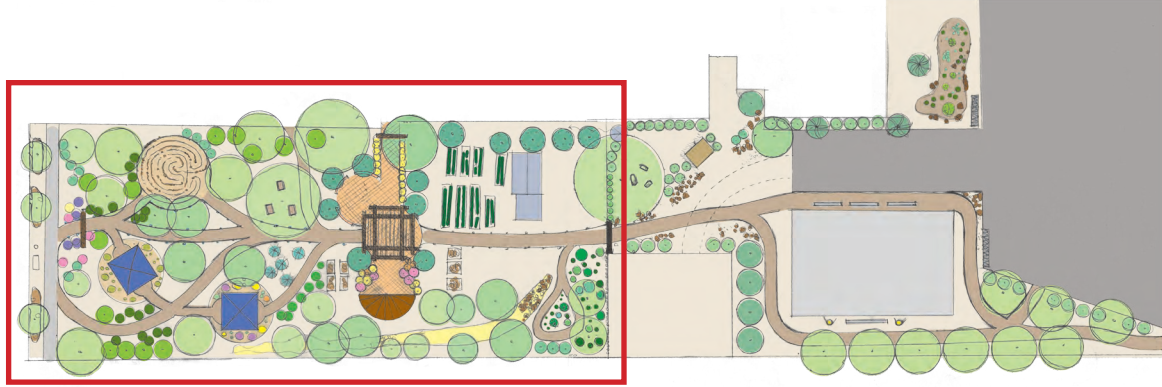
16 The basketball court and parking lot. Currently there is little shade, no seating and asphalt spans the entire east side of the court and half of the south. Two lights are available for players. There is no marked entry for pedestrians on the south side.



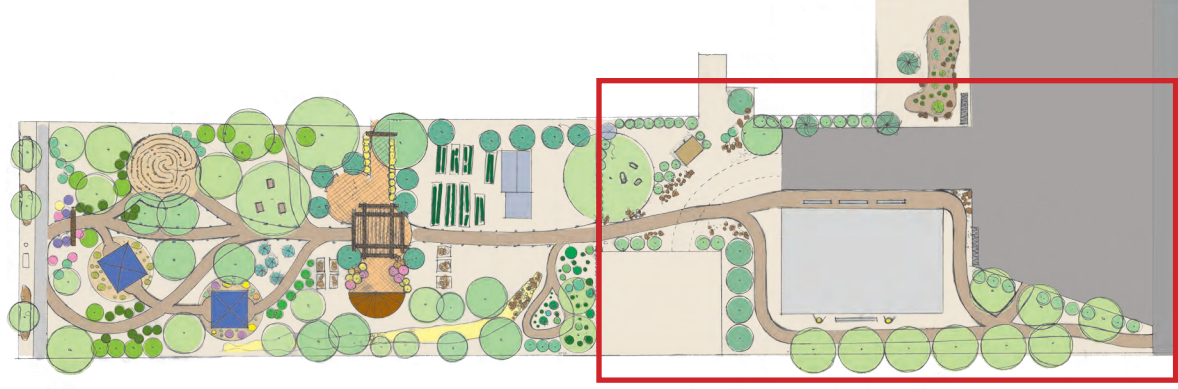
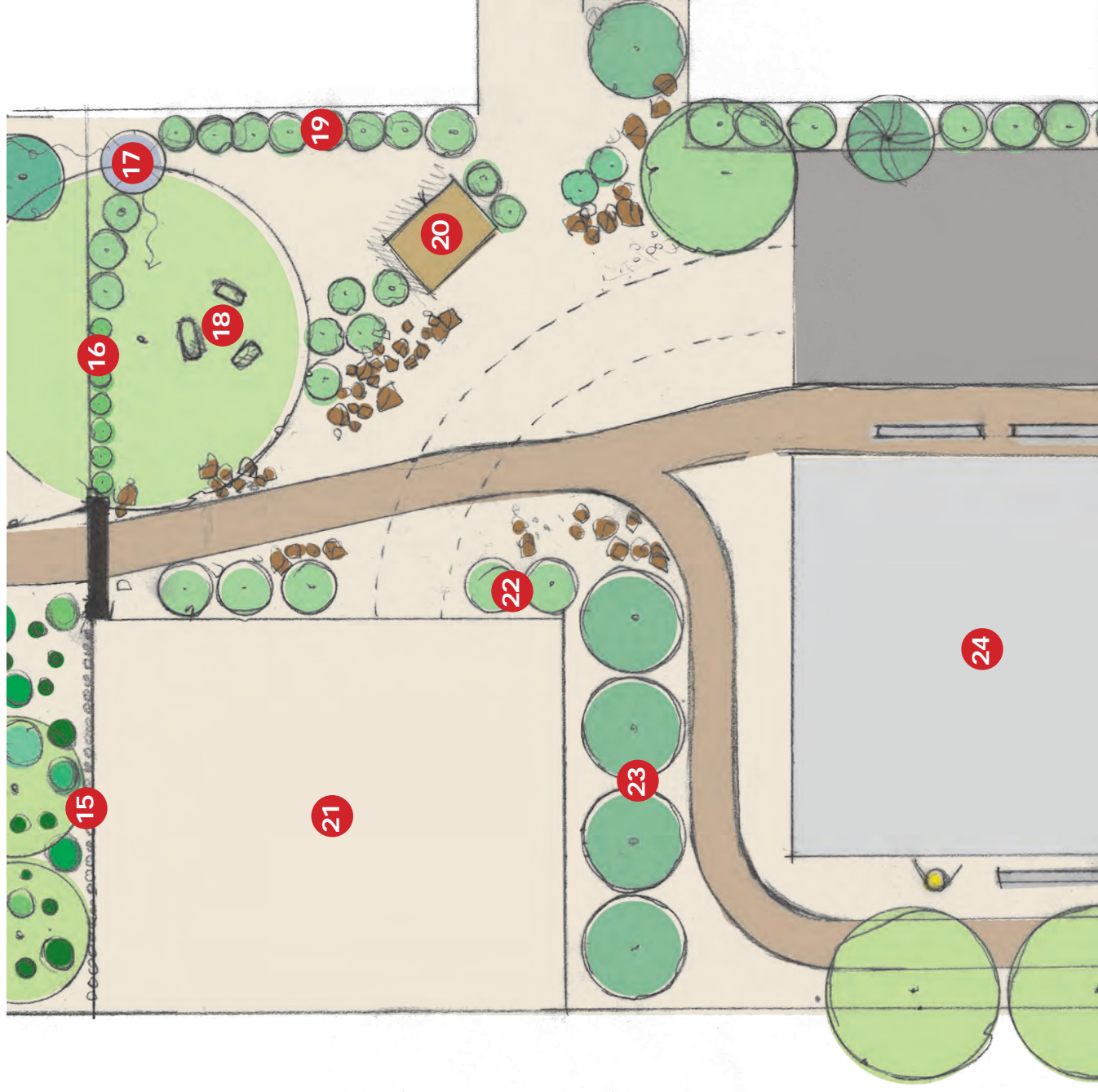
17 The south arch and Third Street parking lot. Plans are underway to improve the parking lot by cutting basins in the existing asphalt and planting trees.

CONCEPTUAL MASTER PLAN NORTH

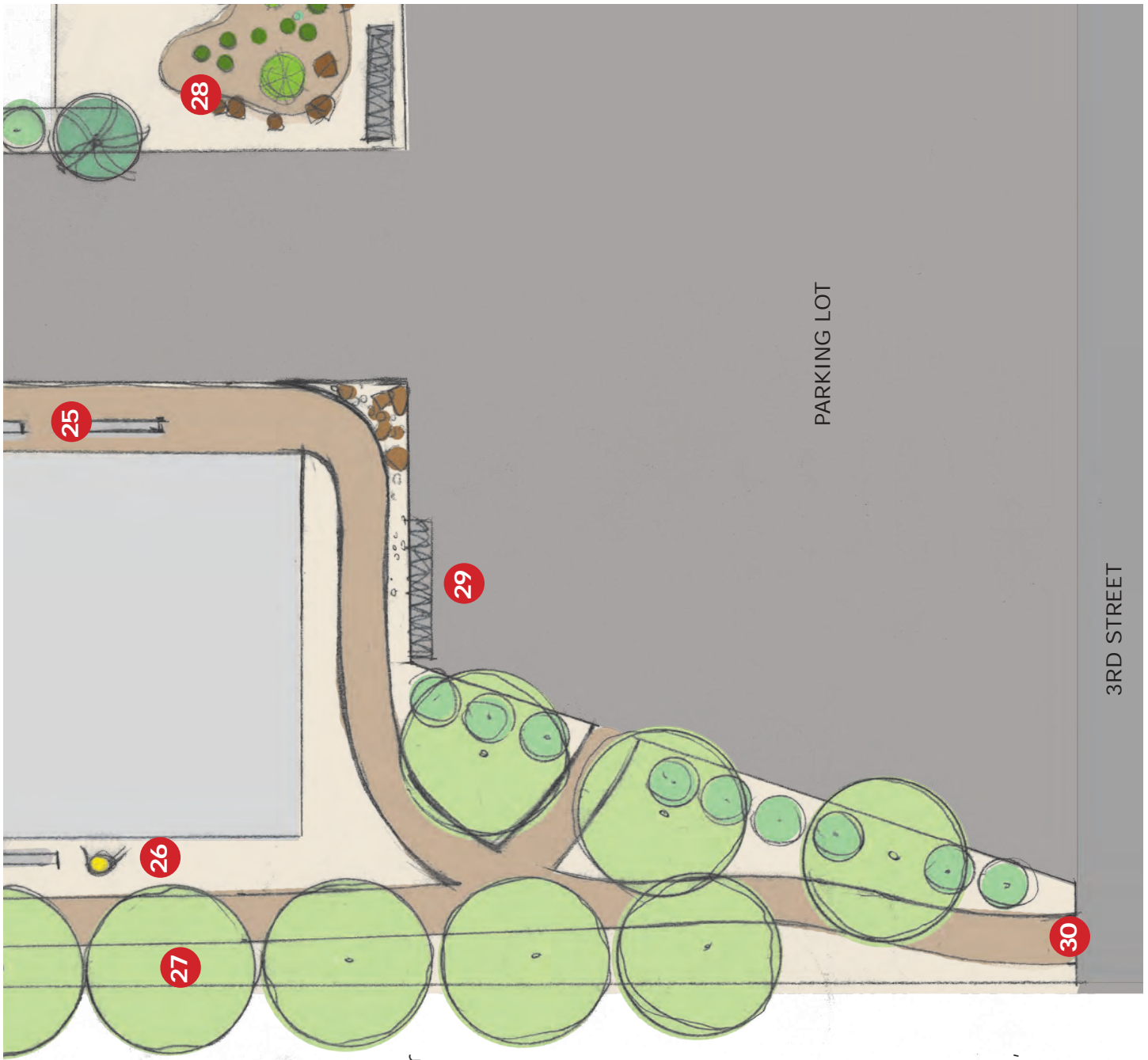
Based on the results of a survey a concept sketch was developed. Priority was given to providing more shade, walking paths, seating and native vegetation.



CONCEPTUAL MASTER PLAN SOUTH



- 15 Ocotillo fencing to create border for garden.
- 16 Existing aloe.
- 17 Water harvesting tanks along buildings will capture water to be used for irrigation.
- 18 Informal seating area under mesquite.
- 19 Plant buffer.
- 20 Existing No More Deaths trailer. Painting the trailer could be a youth project. Possible memorial.
- 21 Existing Tucson Water Well. Tucson water will need to maintain an eight foot minimum right of way to the well. (dashed line)
- 22 Plant buffer along fence of well.
- 23 Existing oleander. Several have been removed to make way for path.
- 24 Existing basketball court.
- 25 Added seating to the basketball court within a 10' buffer.
- 26 Existing lighting.
- 27 Tree buffer providing shade and improving aesthetics.
- 28 Though outside the project area, this space might be used for another cactus garden. Consider topography changes with berms and basins.
- 29 Install bike racks that are made by Bicas, a local non-profit cooperative.
- 30 Entry path into site from 3rd street. Line the path with a plant buffer to clearly differentiate space and improve safety. Add an entry marker to invite users in.



2ND STREET CURB CUTS



Water along 2nd street moves from west to east. Water harvesting basins along the street would help water vegetation as shown in the images below. On site observance during a storm event will best determine the path of water. Watershed Management Group with offices on St. Mark's campus would be a natural partner.

← Direction of water flow

Water moves in a general east to west direction. A trench on site directs the water from north to south and will be discussed later.



Curb cuts allowing in street runoff.

2ND STREET ENTRANCE



The existing arch along 2nd Street makes a natural entry point. From here a trail leading into and through the site will take visitors to shaded seating areas, gardens, a labyrinth and covered gathering area. A welcome sign atop the arch indicates that this is a space for the all to enter.

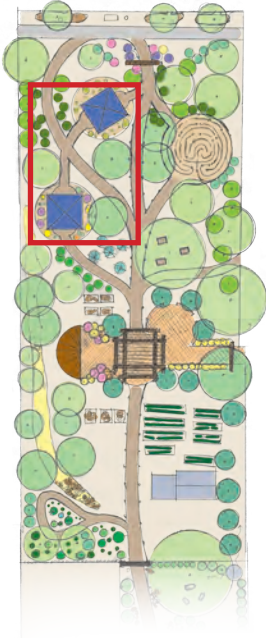


Existing



Proposed entrance with welcome sign and additional plants.

SHADED SEATING—RAMADAS



Within the site proposed ramadas would offer shaded seating. Surrounding the immediate space of the ramada are gardens featuring desert adapted plants. The seating within the ramada might be decorated with tiles made by the children of St. Mark's Preschool and church and/or community members. The Ramadas could serve as outdoor classrooms for the preschool.



Existing



Proposed ramada with raised planters providing seatwalls. Tile reference (inset).



LABYRINTH



The pattern above was found on the website <http://www.labyrinthproject.com/patterns.html>

Desert labyrinth examples made of rock. The labyrinth at the Redemptorist Renewal Center is shown top right.

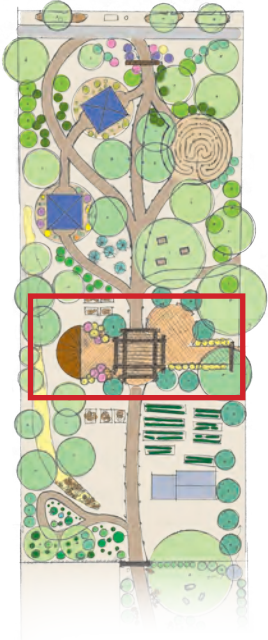
A member's suggestion was the impetus for the addition of a labyrinth.

For some, labyrinths represent a meandering but purposeful path—a journey. and have long been used as tools for meditation and prayer. Congregation and/or community members might participate in building the labyrinth.

A labyrinth at the Redemptorist Renewal Center in Tucson may provide inspiration and guidance for St. Mark's. Their contact information is available on the website: www.desertrenewal.org



CENTRAL GATHERING SPACE



This gathering space is under the central arches. A patio extends east to the parking lot and west to the existing structure, seen in the background of the image below. Consider using permeable pavers or direct water into adjacent planters.

Pollinator gardens that attract hummingbirds and butterflies will provide beauty and fragrance. A roof using ocotillo canes creates shade and a string of overhead lights enhances the ambience.



Existing



Proposed seating area with pavers, ocotillo rib shading and colorful plants.

A small, open area adjacent to the central arches (to the northeast) provides an opportunity for additional seating using a circular design. Several fruit trees ring the area.

This space could be used as a winter or evening gathering area. A tensile shade structure could be added if shade is preferred.

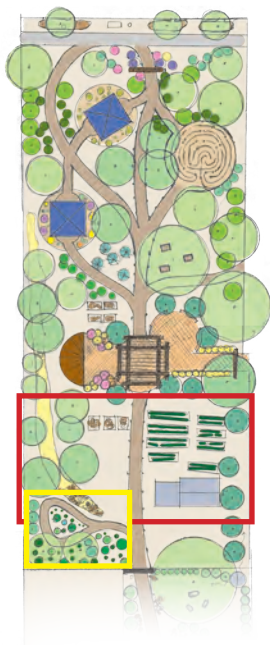


Existing (left)



Paving and shade structure examples.

GARDEN SPACE



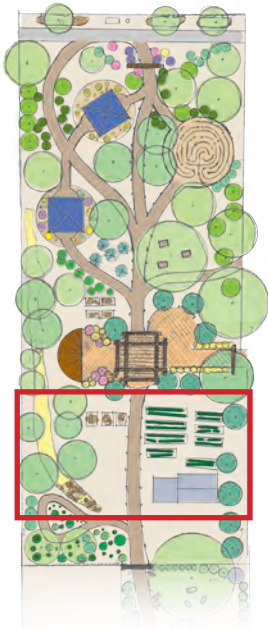
View looking west with picnic tables (right). Reference for tree planters (inset).



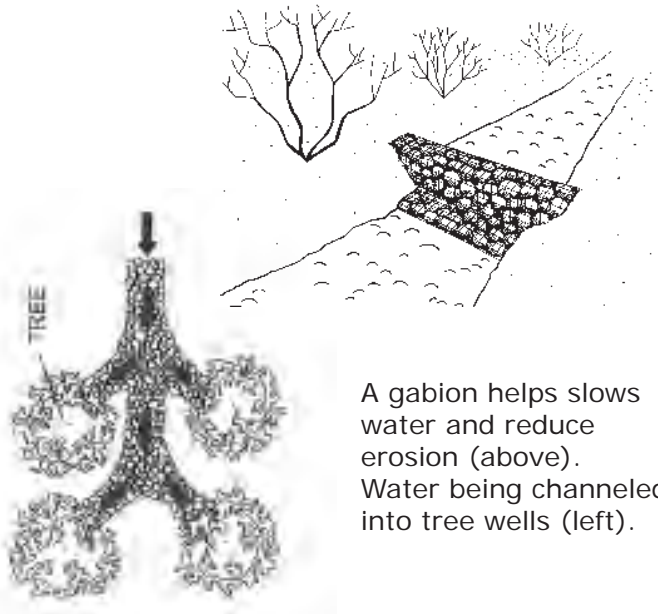
Removal of concrete pads (area within yellow box on locator map) will make space for a small cactus and succulent garden loop. Cactus and succulent from elsewhere on the site could be relocated into this area.



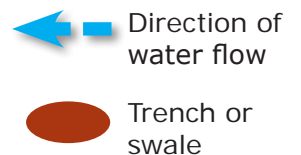
TRENCH



The trench or swale on the west side will better serve the site by directing water into tree wells and other planted areas. The addition of gabions or check dams will help control erosion by slowing water down, or will hold it in a desired place. Bank stabilization and plant materials will also help prevent erosion.



A gabion helps slows water and reduce erosion (above). Water being channeled into tree wells (left).



Water channeling and dam examples (left).

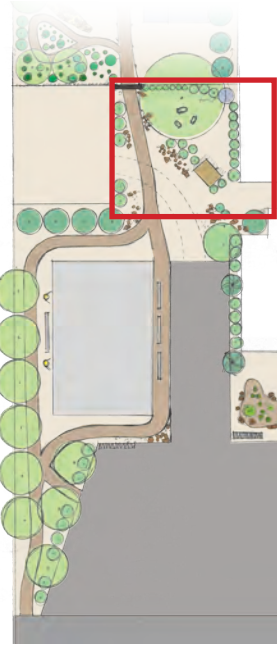


Existing



Rocks and vegetation stabilizing a swale. *Trench* 27

WATER HARVESTING TANK.....



A water harvesting tank capturing roof runoff will direct water into planted areas and prevent it from pooling in unwanted locations. Watershed Management Group might assist in tank installation.

After pruning low hanging branches, the large mesquite in the below image will serve as an informal seating area.

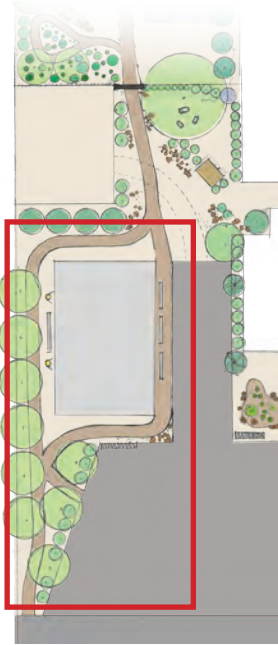


Existing



Proposed seating area with water harvesting tank, plantings and painted trailer.

BASKETBALL COURT



Added seating and trees planted for shade will enhance the look and comfort of the basketball court. Removal of ten feet of asphalt is recommended on the east and south side of the court to provide a walking path and buffer from the parking lot.

Angled parking on the east side will allow sufficient space for parking after asphalt is removed.

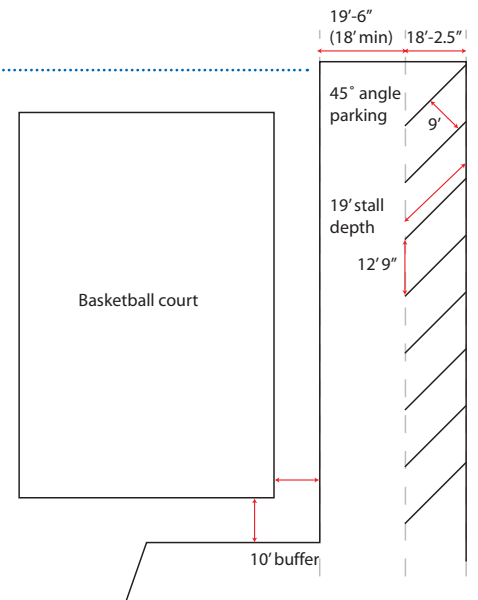


Diagram showing angled parking.

Existing



Basketball court with volleyball net, shade trees, seating, walking space and plant buffer.

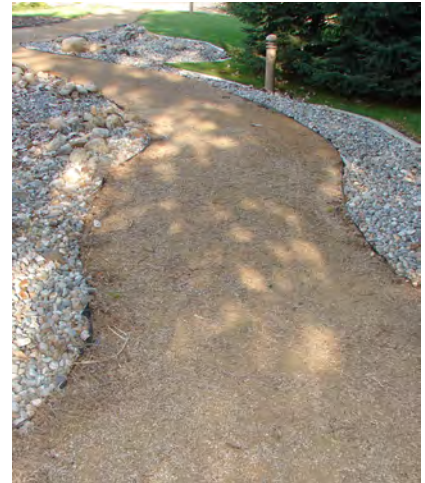
WALKING PATHS



Paths made of stabilized decomposed granite will offer park users a natural experience. Alternatives to DG are permeable pavers or permeable concrete.

Where paths in the northern end of the site dip into swales, culverts should be added to direct water beneath the them.

Solar lights placed along the paths will improve safety of the site.



Decomposed granite pathways (above and left.) Permeable pavers (below left) and permeable concrete (below right).





Several areas along the paths in the northern section dip into swales. Culverts under paths will increase safety and accessibility.



Culvert examples (above).

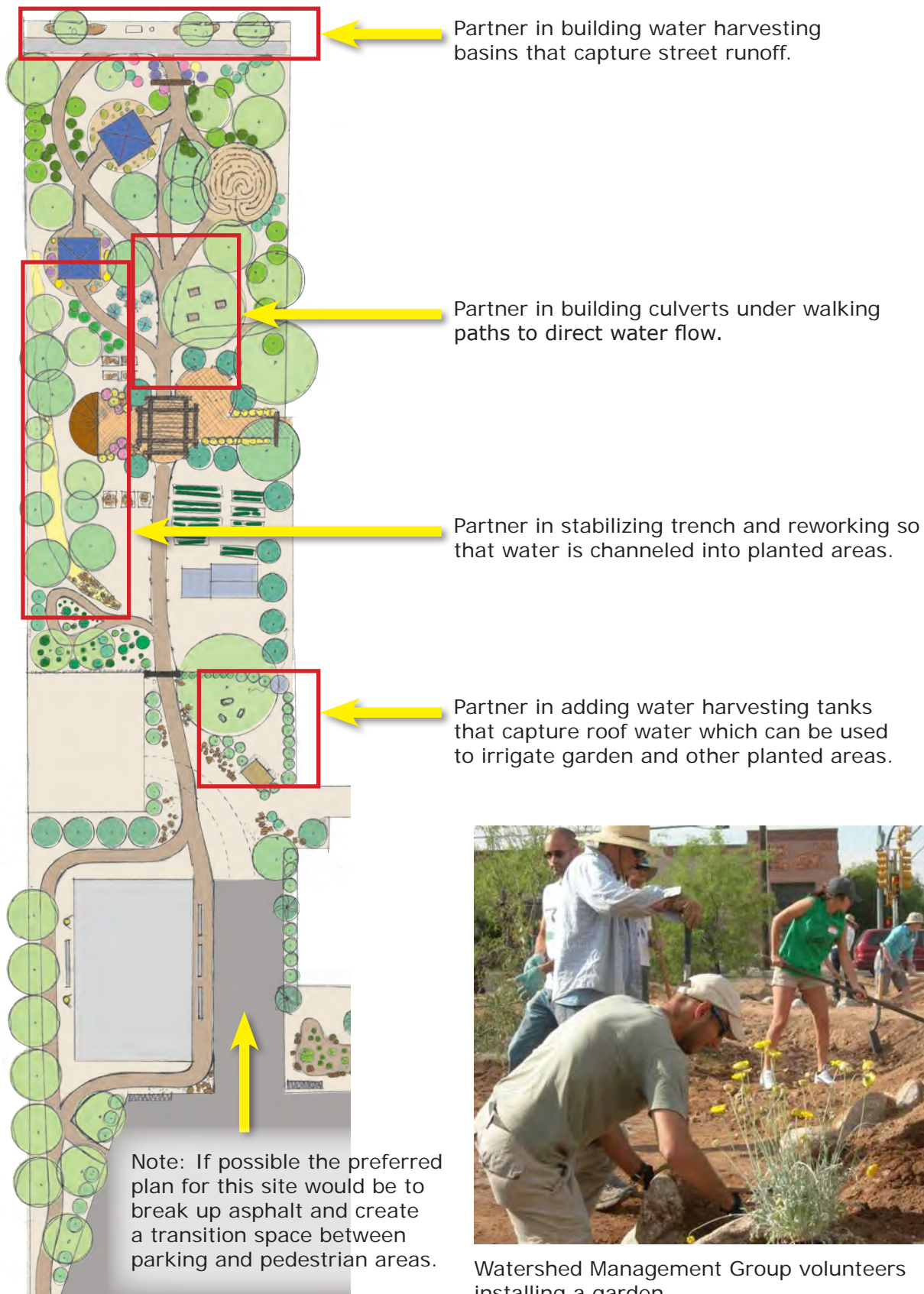


Solar bollard lighting will guide users along paths and increase safety on site.



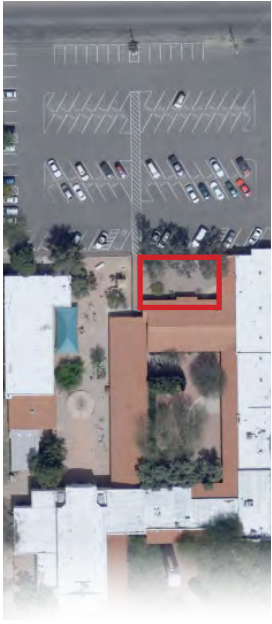
WATERSHED MANAGEMENT GROUP.....

Watershed Management Group, located on the St. Mark's campus is a natural partner for several of the proposed projects. See below.



Watershed Management Group volunteers installing a garden.

WATER HARVESTING GARDEN.....



This garden, outside of the project area, is located at the north entrance. Watershed Management Group will design the space as a water harvesting garden. Church members will be able to participate in the building of the site by volunteering to help dig and plant.



Existing north entrance.



This garden utilized berms and swales to collect and direct water for watering plants. A water tank in the background collects water from the roof. The plants in this garden are desert adapted and do well in our climate.

RECOMMENDED PLANT MATERIALS

The plant list below consists of mostly native plants. Native plants are well adapted to Sonoran desert conditions of extreme heat and low precipitation. In addition the use of native plants will serve as habitat for native birds, lizards and other wildlife.

All plants will need irrigation after being planted (except for some of the cactus) though many will be able to survive on Tucson's natural rainwater and can be weened off irrigation after several years. It is important that a maintenance plan be put in place to monitor and care for plants to ensure their survival.

The following list is meant to serve as a guide and can be modified as needed.

TREES

sweet acacia *Acacia farnesiana*
desert willow *Chilopsis linearis*
blue palo verde *Parkinsonia florida*
velvet mesquite *Prosopis velutina*

LARGE SHRUBS

fourwing saltbrush *Atriplex canescens*
hopbush *Dodonea angustifolia*
creosote *Larrea tridentata*
Texas ranger *Leucophyllum frutescens*
wolfberry *Lycium sp.*
jojoba *Simmondsia chinensis*
yellow bells *Tecoma stans*
graythorn *Zizyphus obtusifolia*

MEDIUM AND SMALL SHRUBS

triangle leaf bursage *Abrosia deltoidea*
fairy duster *Calliandra eriophylla*
bush dalea *Dalea pulchra*
turpentine bush *Ericameria laricifolia*
brittlebush *Encelia farinosa*
desert senna *Senna covesii*
globe mallow *Sphaeralcea ambigua*

CACTUS AND SUCCULENTS

golden-flowered agave *Agave chrysantha*
Parry's agave *Agave Parryi*
shindagger *Agave schottii*
saguaro *Carnegiea gigantea*
staghorn cholla *Cylindropuntia versicolor*
desert spoon *Dasyliirion wheeleri*
hedgehog cactus *Echinocereus fasciculatus*
fishhook barrel *Ferocactus wislizeni*
ocotillo *Fouquieria splendens*
Engelmann prickly pear *Opuntia engelmannii*
purple prickly pear *Opuntia santa rita*
beargrass *Nolina microcarpa*
banana yucca *Yucca baccata*
soaptree yucca *Yucca elata*

GRASSES

sideoats grama *Bouteloua curtipendula*
bull grass *Muhlenbergia emersleyi*
deer grass *Muhlenbergia rigens*
alkali sacaton *Sporobolus airoides*

PLANTS FOR BIRD AND BUTTERFLY GARDENS

butterfly mist *Ageratum corymbosum*
desert honeysuckle *Anisacanthus thurberi*
baja fairyduster *Calliandra californica*
brittlebush *Encelia farinosa*
gooding verbena *Glandularia gooddingii*
chuparosa *Justicia californica*
Parry's penstemon *Penstemon parryi*
Mexican sunflower *Tithonia fruticosa*



sweet acacia



hedgehog cactus



yellow bells



deer grass



globe mallow



chuparosa

PROJECT SUMMARY.....

This booklet is meant to provide St. Mark's Presbyterian Church with an analysis of the project area's current site conditions and a conceptual master plan of how the area could be enhanced for church and community members.

Following results from a church survey the site design was kept simple. New and existing walking paths were enhanced with group ramadas, a picnic area, labyrinth and gathering area in the center of the site. The garden space used by the Tucson Organic Gardeners was left mostly unchanged leaving room for the community garden to grow.

By developing the area into a walking and gathering space the site will be an inviting, meaningful space for all visitors.

PROGRAMMATIC ELEMENTS

- Curb cuts on 2nd Street promoting water harvesting
- Enhanced entry on 2nd street
- Stabilized walking paths
- Added culverts under walking paths
- Ramadas with seating and adjacent gardens featuring desert adapted gardens
- Labyrinth
- Central shaded gathering space with pavers
- Pollinator garden
- Cactus garden
- Revisions to trench: stabilization of banks and water diversion into planted areas
- Water harvesting tank
- Shade, seating and walking buffer around basketball court
- 3rd street entrance
- Bike racks
- Watershed Management Group's water harvesting garden

FUNDING SOURCES.....

LOCAL RESOURCES

Pima County Neighborhood Reinvestment Program

Website: <http://www.pima.gov/ced/CDNC/>

Contact: Leslie Nixon, Program Manager, 520.243.6769

Administered through the Neighborhood Reinvestment Program of the office of Community Development and Neighborhood Conservation on behalf of the Pima County Board of Supervisors. The program goal is to promote stability and revitalize stressed communities through the funding of small capital improvement projects selected through a community consensus process.

Back to Basics Grant

Community Services Department

Phone: 520.791.4605

Website: <http://cms3.tucsonaz.gov/hcd/back-to-basics-guide>

Available through local City Ward Office. The program goal is to revitalize and stabilize neighborhoods with the most serious needs for basic improvement while developing partnerships among neighborhoods, Ward and City offices, and local businesses. Common uses are street paving, sidewalks, street lights, traffic calming, parks and streetscapes, bike and pedestrian paths, drainage improvements, and bus shelters.

Midtown Ward Six

3202 East 1st Street

Tucson, Arizona 85716

Council Member Steve Kozachik

Phone: (520) 791-4601

Fax: (520) 791-3211

Email: ward6@tucsonaz.gov

Website: <http://cms3.tucsonaz.gov/wardsix>

NATIONAL RESOURCES

The following were gathered from the INDEX FOR FAITH-BASED FUNDING RESOURCES, December 2007.

Website: http://libwww.freelibrary.org/rfc/rfc_downloadoc.cfm?form=RFC_faith_based_funding_resources

The Huston Foundation

900 West Valley Road, Suite 204, Wayne, PA 19087, Suite 204

Wayne, PA 19087

Phone: 1.610.832.4955

Fax: 1.610.832.4960

Website: <http://www.hustonfoundation.org/>

McCune Foundation

750 Six PPG Place

Pittsburgh, PA 15222

Phone: 1.412.644.8779

Fax: 1.412.644.8059

Website: www.mccune.org

Contact: info@mccune.org

FUNDING SOURCES

Hunger Program Funds

Presbyterian Hunger Program

100 Witherspoon Street

Louisville, KY 40202

Phone: 1.888.728.7228 x5832

Website: www.pcusa.org/hunger/

Contact: Georgetta Poyntz, gpoyntz@ctr.pcusa.org

Presbyterian Church (U.S.A.) Foundation

200 East Twelfth Street

Jeffersonville, IN 47130

Phone: 1.800.858.6127

Website: www.presbyterianfoundation.org

Self-Development of People

100 Witherspoon Street

Louisville, KY 40202

Phone: 1.888.728.7228 x5791

Website: www.pcusa.org/sdop

Contact: Marina Zaldivar, sdop@ctr.pcusa.org

Speer Memorial Fund

Synod of the Mid-Atlantic

P.O. Box 27026

Richmond, VA 23261

Phone: 1.800.743.7670

Fax: 1.877.259.4441

Website: www.synatlantic.org

Urban Ministry/National Ministries Division

100 Witherspoon Street, Room 2065

Louisville, KY 40202-1396

Phone: 1.888.728.7228 x5244

Website: www.pcusa.org/smallchurch/grants.htm

Contact: Eva Slayton, eslayton@ctr.pcusa.org

Women's Ministries Program Area

Presbyterian Women Birthday and Thank Offering Funds including Health Ministries

100 Witherspoon Street

Louisville, KY 40202

Phone: 1.888.728.7228 x5365

Fax: 1.502.569.8600

Website: www.pcusa.org/pw/giving/index.htm

Contact: Ann Ferguson, Ann_Ferguson@ctr.pcusa.org

PARTNERSHIPS.....

Miramonte Neighborhood Association

Contact: Kelsi Montgomery, MNA President, kelsi@alumni.cmu.edu

Website: <http://miramontena.wordpress.com/>

Watershed Management Group

PO Box 65953, Tucson, AZ 85728

Phone: 520.396.3266

Website: <http://www.watershedmg.org/>

Contact: Lisa Shipek, Executive Director, lisa@watershedmg.org, 520.270.4242

Tucson Organic Gardeners

Tucson Organic Gardeners

PO Box 27763, Tucson AZ 85726

Phone: 520.670.9158

Website: <http://www.tucsonorganicgardeners.org/index.htm>

Contact: info@tucsonorganicgardeners.org, tucsonorganicgardeners@hotmail.com

Basis Middle School

3825 E 2nd St., Tucson AZ 85716

Phone: 520.326.6367

Contact: George Rising, Head of School,
grising@basistucson.org, info@basistucson.org

ProNeighborhoods

738 N. 5th Ave. Suite 101, Tucson, AZ 85705

Phone: 520.882.5885

Fax: 520.207.8654

Website: <http://www.proneighborhoods.org/index.php>

Contact: Judith Anderson, Consultant, 520.882.5885 ext:302

Trees for Tucson

Website: <http://www.ci.tucson.az.us/tcb/tft/>

Contact: Rani Olson, Program Coordinator, tft@tucsonaz.gov, 520.791.3109

Community Food Bank

11734 West Grier Road, Marana, Arizona 85653

Phone: 520.682.3001

Website: <http://communityfoodbank.com/>

Contact: Robert Ojeda, rojeda@communityfoodbank.org
520.622.0525, cell: 520.873.7404

APPENDIX

SURVEY

The survey below was distributed to the congregation at St. Mark's Presbyterian Church on two consecutive Sundays. Results are on the following pages.

St. Mark's Survey

Disclaimer: You are being asked to fill out the following survey as part of your involvement in a Drachman Institute neighborhood design process. All of your responses are completely voluntary and you have the right to refuse participation. Please be assured that all of your responses are confidential and anonymous, so your name should not appear on the survey. If you have any questions please contact the Drachman Institute at 626-5293. By completing this survey you are giving consent for this information to be used by the Drachman Institute at the University of Arizona.

1. What features would you like to see in the west open space? See image on other side.

(Check all that apply)

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> More shade trees | <input type="checkbox"/> More food trees | <input type="checkbox"/> Recreation areas | <input type="checkbox"/> Playground |
| <input type="checkbox"/> Benches | <input type="checkbox"/> Walking Paths | <input type="checkbox"/> Night Lighting | <input type="checkbox"/> Event space |
| <input type="checkbox"/> Shade structure | <input type="checkbox"/> Art | <input type="checkbox"/> Picnic Area | <input type="checkbox"/> Exercise circuit |
| <input type="checkbox"/> Gardens (what type?) | | | |
| <input type="checkbox"/> butterfly | <input type="checkbox"/> food | | |
| <input type="checkbox"/> wildlife habitat | <input type="checkbox"/> native plant | | |
| <input type="checkbox"/> other _____ | | | |

Other ideas: _____

2. What would you like to see for the basketball court? *(Check all that apply)*

- | | | | |
|---|-------------------------------------|---------------------------------------|---|
| <input type="checkbox"/> More shade trees | <input type="checkbox"/> Seating | <input type="checkbox"/> Less asphalt | <input type="checkbox"/> Development of youth leagues |
| <input type="checkbox"/> Development of adult leagues | <input type="checkbox"/> Volleyball | | |

Other ideas: _____

3. Watershed Management Group has offered to plan and design a water harvesting garden on the north entrance of the church. The garden would use desert adapted plants and capture runoff water for irrigation. See image on other side. (www.watershedmg.org)

Would you like to see a water harvesting desert garden on the north side entrance?

- ☐ Yes ☐ No ☐ Need more information

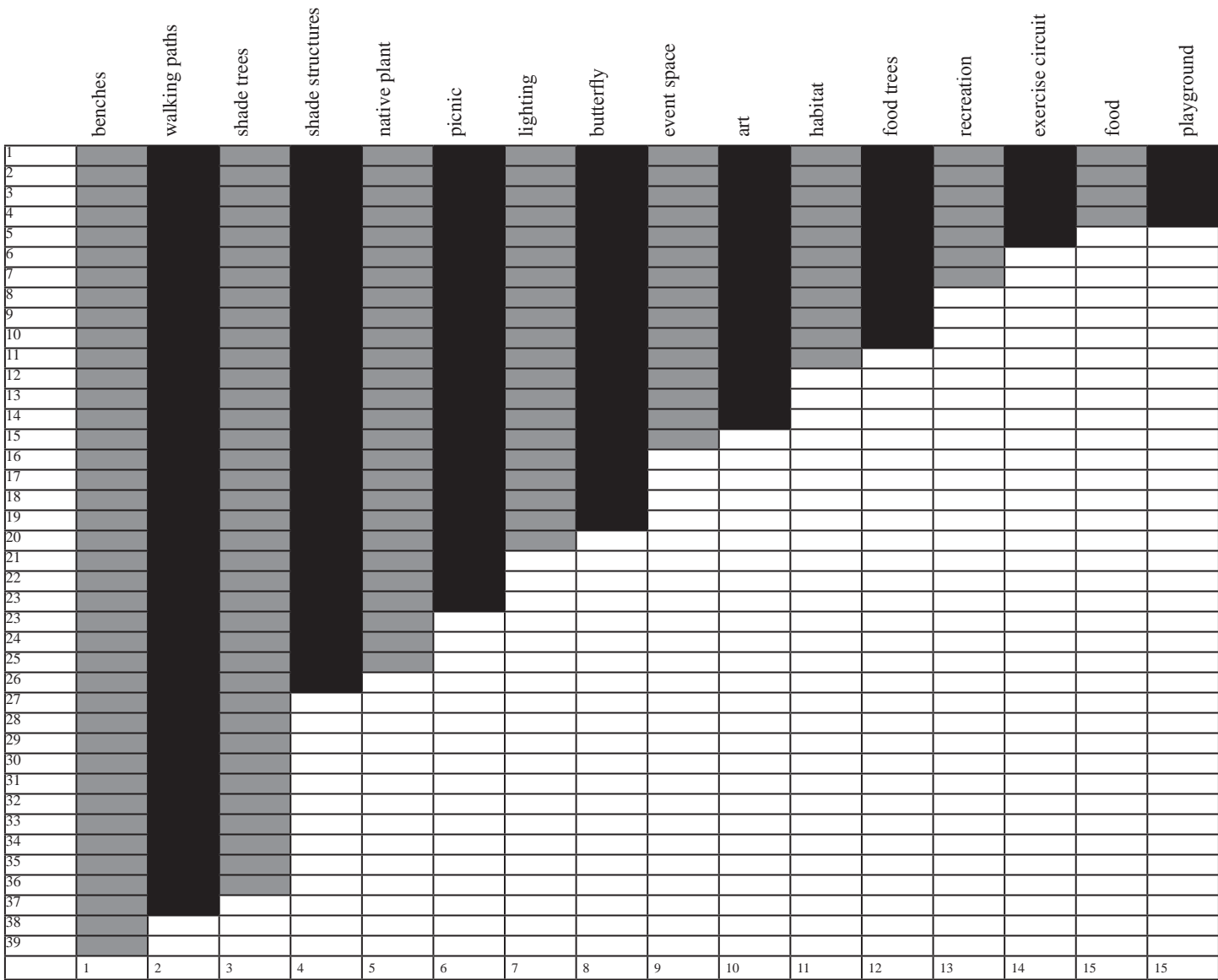
4. Would you be interested in joining other volunteers with digging and planting the garden (2 workshops, 4 hours each)? The installation will be an educational workshop led by WMG instructors.

- ☐ Yes ☐ No

5. Do you have any additional comments? _____

APPENDIX

WEST SIDE OPEN SPACE SURVEY RESULTS (question #1)



APPENDIX

BASKET BALL COURT SURVEY RESULTS (question #2)

	shade trees	seating	less asphalt	youth leagues	adult leagues	volley ball
1						
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28						

Comments on BB area

- volley ball posts and net should be taken up and down as used.
- Night lighting
- Needs to be appealing, flowers?
- Keep as is.
- Figure out a way so that it is used more.
- upkeep, net replacement
- lighting
- neighborhood fair, squaredancing, ...??
- leagues=liability
- men bb court lines
- paint court, clean up
- problem with leagues
- paint lines
- unsure
- paint lines
- small seats
- new goals
- acacia, blue palo verde

WMG SURVEY RESULTS (questions #3 and #4)

50 said YES

4 said NO

5 said NEED TO KNOW MORE

27 would like to volunteer

APPENDIX

ADDITIONAL COMMENTS FROM SURVEY RESULTS (question #5)

Open space comments:

- Gardens: cactus, meditative, hummingbird, tulip and rose, pollinator
- labyrinth
- a unicorn per Truman (?)
- review parking needs
- only if have resources
- more events with church members and neighbors
- simple and low maintenance
- too much caliche for food trees
- lighting too expensive
- worried about liability and playground
- use natural materials for shade structure
- one table enough
- community art
- keep fruit trees
- area to drink coffee, eat on tables
- drinking fountains
- info on native plants: common name and scientific.
- Ramada, but not made of concrete
- keep weeds down
- what does community want/need?
- citrus to give away
- seating should be permanent
- should consider placement in case a building goes up in the space
- s & n patio
- neighborhood garden needs to be more tidy
- wildflowers
- fig and citrus trees, date palm, other fruit trees use a lot of water and birds eat the fruit.

Other comments:

- I would like to see the space used by the community. What would the community use?
- We need a banister at the top 3 steps to the choir loft. Nothing to grasp as staircase turns.
- Amphitheater, Labyrinth
- The development plans should be coordinated with the Mirimonte neighborhood.
- Solar panels to generate power,
- Trees in north and south parking lots.
- I think all of these are good ideas, but not what we should spend our limited resources on.
- Let's get moving with this!
- Don't commit to more than congregation can be involved in or can afford.
- Donate to the land to Habitat for humanity for 5-6 homes. No interest or profit. Jesus will smile.
- Keep the commitment to the green parking lot.
- I am willing to help with any of the construction of this church. Dan and David
- Shade trees should be desert friendly species.
- Low maintenance. Ongoing art shows. Welcome kids to SS.
- Be careful with liability issues.
- Everything done must allow for better ADA requirements.
- North side area black plastic under rock. Keep eucs for shade.
- Clean up the weeds.
- Lots going on in terms of redesign/redevelopment. Need good integration for a functioning meaningful whole.
- I could help after the first of the year. Tom Miller
- Leo Cats for volunteering 325-3904, 248-1564
- Don't don't overdo it. Keep it simple. Shade is most important
- Wheelchair access for s. entrance is very difficult. Need space for wheelchair vans to unload.
- Asphalt is awful, get rid of it.
- Water harvesting for areas of garden attached. Red tiled roof for catchment and channeling to the large mesquite.
- Have you thought of the possibility of asking UA college Landscape Architecture student for project help?

CREDITS.....

All photos and renderings of St Mark's by Maria Voris

Page 3: <http://www.stmarkspresbyterian.org/>

Page 5: bottom left, Maria Voris

Page 20: middle left, Brad Lancaster; bottom left, Drachman Image Library; bottom right, Drachman Image Library

Page 22: bottom right, http://www.flickr.com/photos/tirau_dan/59311952/in/photostream/

Page 23: middle left, <http://www.labyrinthproject.com/patterns.html>

Page 25: middle left, <http://lawnsplusofcharlotte.com/services.html>;
middle right, <http://www.profilesshadestructures.com.au/>; bottom, <http://exteriordesignsofalexandria.com/pavers.htm>

Page 26: inset, bottom left, unknown internet source; lower right, <http://travel.webshots.com/photo/1093534747046541811cwuXNy>

Page 27: line drawings, Drachman Image Library; middle left, Drachman Image Library; middle right, <http://www.co.ottawa.mi.us/CoGov/Drain/bmp.htm>; bottom right, Maria Voris

Page 30: top left, <http://www.sunset.com/garden/landscaping-design/3-elements-great-path-00400000011663/>; top right, <http://www.thegreenzone.org/outdoor/pathways.asp>; middle, <http://www.stabilizersolutions.com/products/stabilized-decomposed-granite-and-crushed-stone>; bottom left, <http://vdcgreen.blogspot.com/2010/09/permeable-pavement-systems-just.html>; bottom right, <http://www.currey-wilson.com/stormwater/>

Page 31: middle left, [http://www.clhowardlandscape.com/gallery2.php#images/galleries/stone/images/thumbs/100109080248Picture 2.jpg](http://www.clhowardlandscape.com/gallery2.php#images/galleries/stone/images/thumbs/100109080248Picture%202.jpg); middle right, <http://hofpodcast.com/?m=200907>; bottom left, http://www.wirefreedirect.com/solar_bollard.asp; bottom top, <http://www.sovereignsolar.com.au/solar-bollards.php>; bottom, <http://drboltz.com/index.php?case=product&proddb=2&pid=347>

Page 32: <http://www.g-a-l.info/WatershedInfo.htm>

Page 33: Maria Voris

Page 34: top left to right, top to bottom, <http://www.sawf.org/newedit/edit12082008/AnandsDish.asp>, http://en.wikipedia.org/wiki/File:Strawberry_Hedgehog.jpg, <http://outdoors.webshots.com/photo/1083816410041733818IgPeFP>, <http://www.cal-ipc.org/landscaping/dpp/altphotos.php?groupID=48®ion=centcoast&type=Ornamental%20grasses>, <http://greenforkutah.blogspot.com/2009/04/wild-about-utah-xeri-garden-with-native.html>, <http://www.fireflyforest.com/flowers/1334/justicia-californica-beloperone/>

ST. MARK'S

PRESBYTERIAN CHURCH

