

# Public Interest Design

## A Case Study



CENTERfor  
PUBLIC  
INTEREST  
DESIGN

New Partners for Smart  
Growth Conference 2016

Sergio Palleroni

# CPID Methods & Practices

- Multi-Stakeholder Participation
- Integration
- Networked Interventions

for the  
teen

the  
people  
that  
live there

the  
gang  
for



# CPID Methods & Practices

## Multi-Stakeholder Participation

- Open, transparent, iterative design process
- Harnesses community's social, political, and economic capital and know-how
- Involves technical knowledge of design professionals, political will of local and/or regional government, investment capacity of private sector
- Incorporate stakeholder consultation and engagement so residents, business owners, municipal groups, and other groups have true agency in decision-making process

# CPID Methods & Practices

## Integration

- Combine physical, social, & economic strategies in single intervention
- Design may be the entry point, but integrated intervention expands beyond design of structures and/or landscapes to include design of programs, processes, organization structures, enterprises with help of multi-disciplinary team
- Resident needs related to development should not be oversimplified – consideration of broader social and economic needs can help avoid lopsided or tunnel vision type of development

Park  
Be Better

My  
Neighbors

I  
wish we  
had a place  
to do a  
exercise  
class

People  
Pollute  
the  
Streets

Less



# CPID Methods & Practices

## Networked Interventions

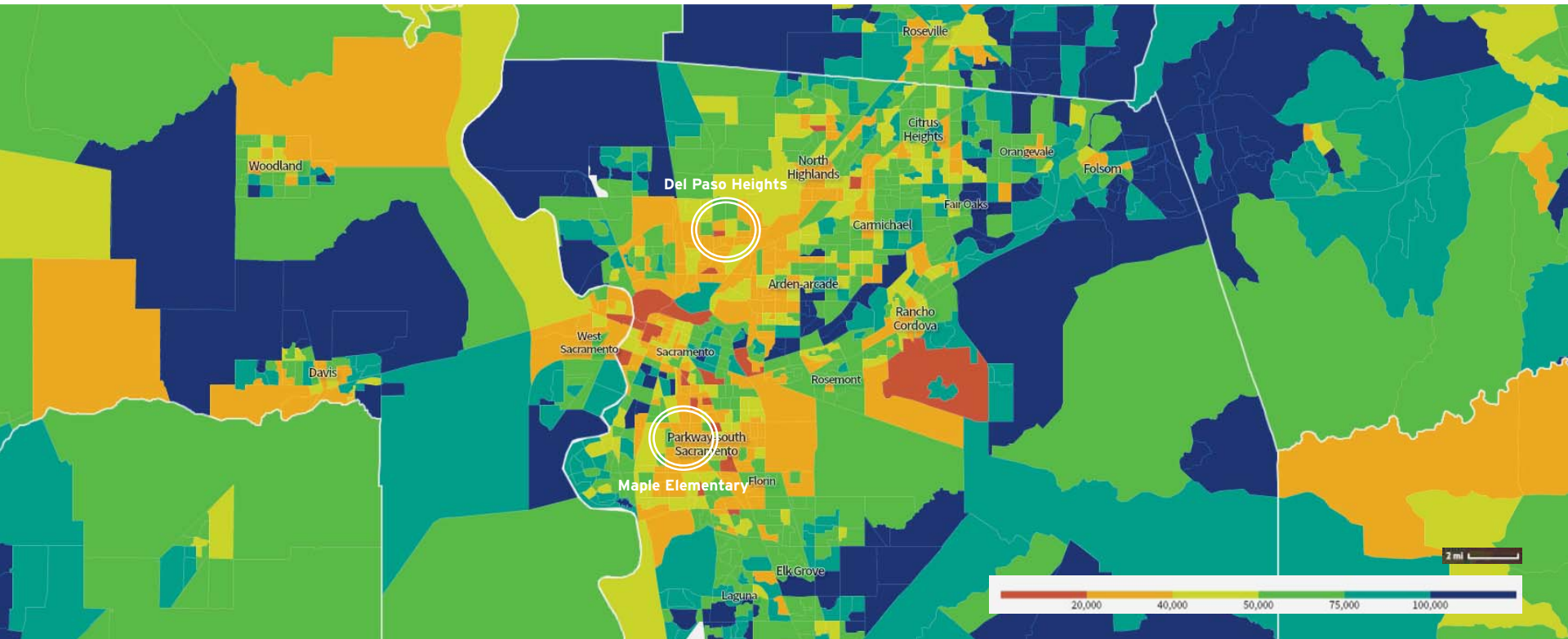
- Large scale issues (vacancy, poverty, access to food, making healthy communities) addressed by networking series of small scaled interventions
- Small interventions envisioned from start as strategic components of future network through selection, coordination, design, and development
- Network is physically, fiscally, socially, and economically supported to build new economics, social safety nets, and political capital
- Large scale efforts can disenfranchise residents, or small scale efforts can be isolated or one-off
- SOLUTION: Adopt multi-scale approach to all projects, no matter the catalyzing original scale

# Research

Existing Conditions

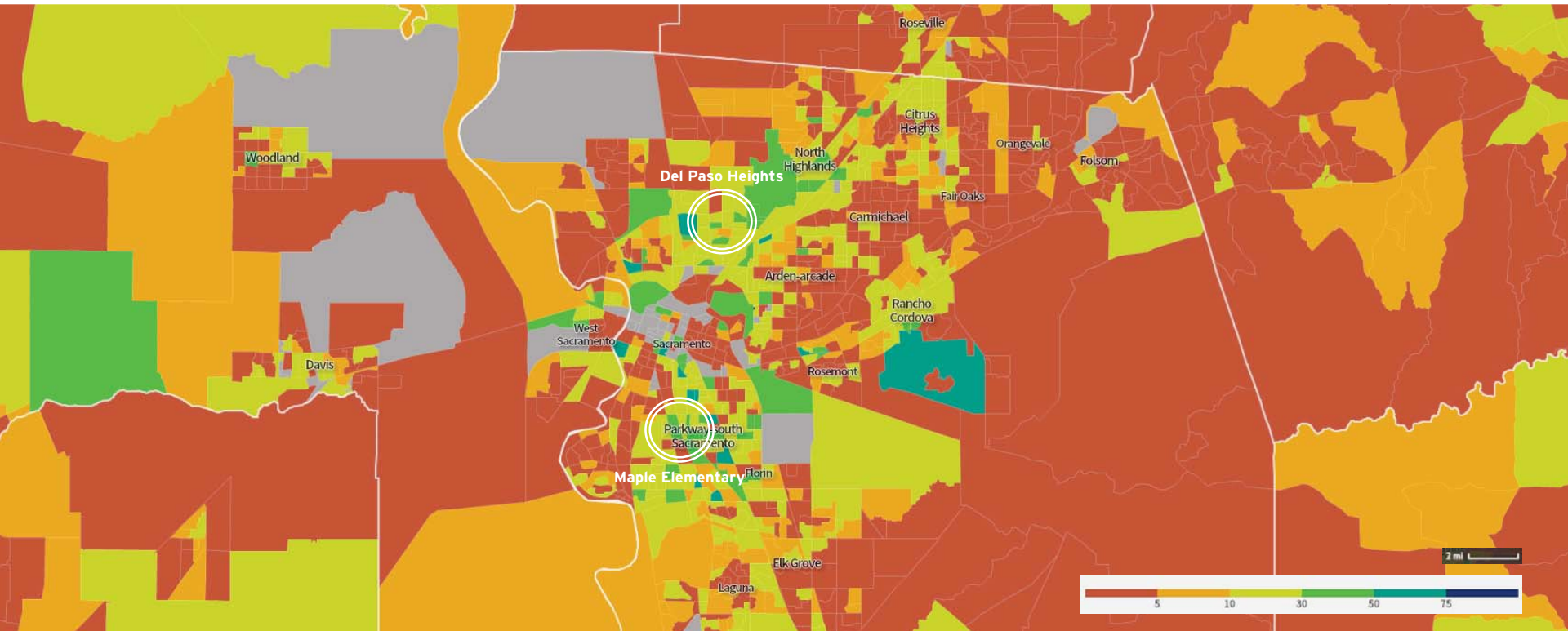
# Median Household Income

## 2010 Inflation Adjusted Dollars, by Block Group



Data from 2010 American Community Survey, U.S. Census Bureau / Social Explorer

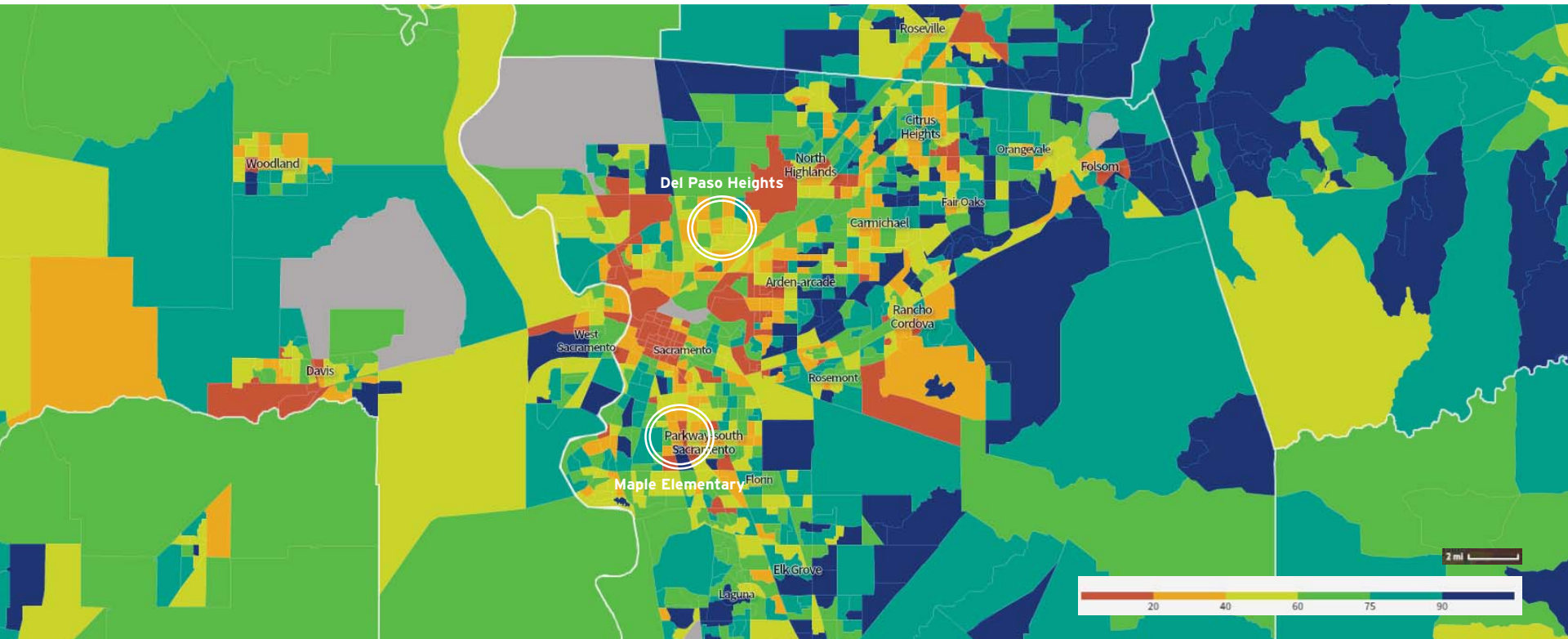
# Families Living Below Poverty Level Percent by Block Group



Data from 2010 American Community Survey, U.S. Census Bureau / Social Explorer

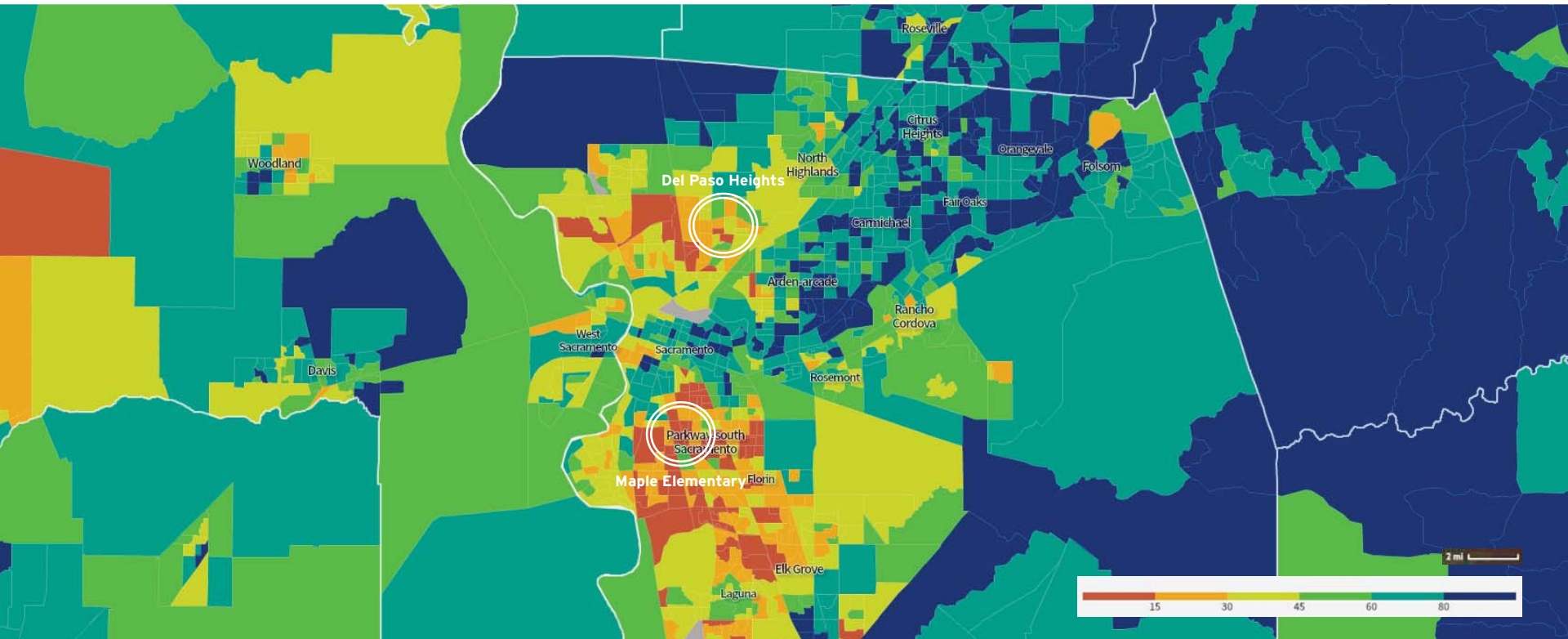


# Owner-Occupied Housing Units Percent by Block Group



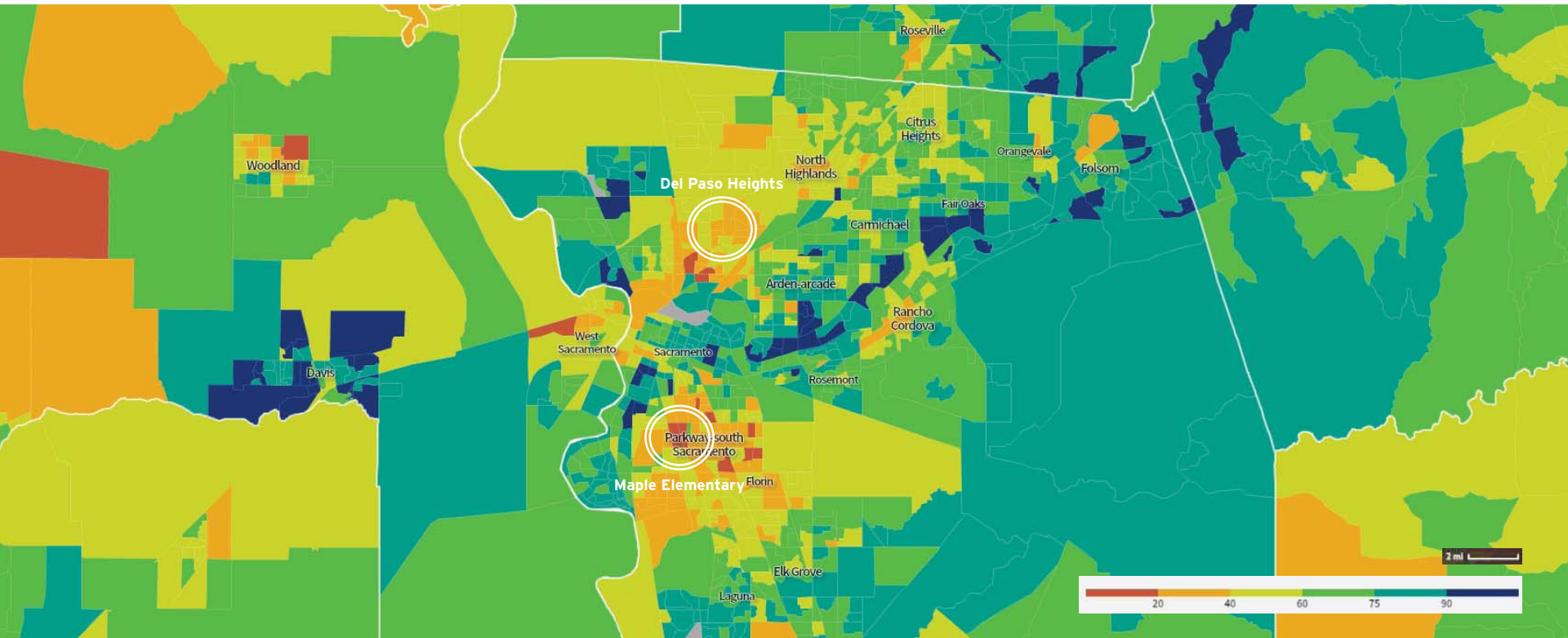
Data from 2010 American Community Survey, U.S. Census Bureau / Social Explorer

# Persons Identifying as Non-Hispanic, White Alone Percent by Block Group



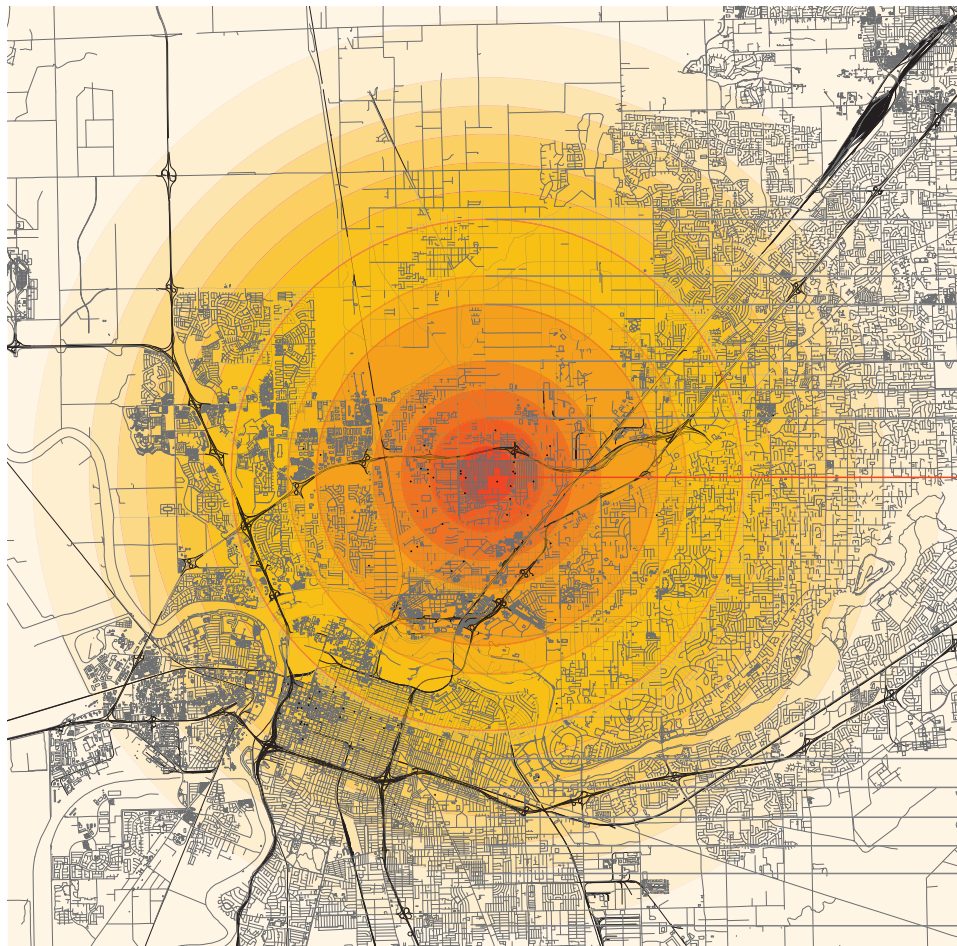
Data from 2010 American Community Survey, U.S. Census Bureau / Social Explorer

# Educational Attainment, Some College or More of Population 25 Years or Over, Percent by Block Group



Data from 2010 American Community Survey, U.S. Census Bureau / Social Explorer

# Service Proximity to Del Paso Heights



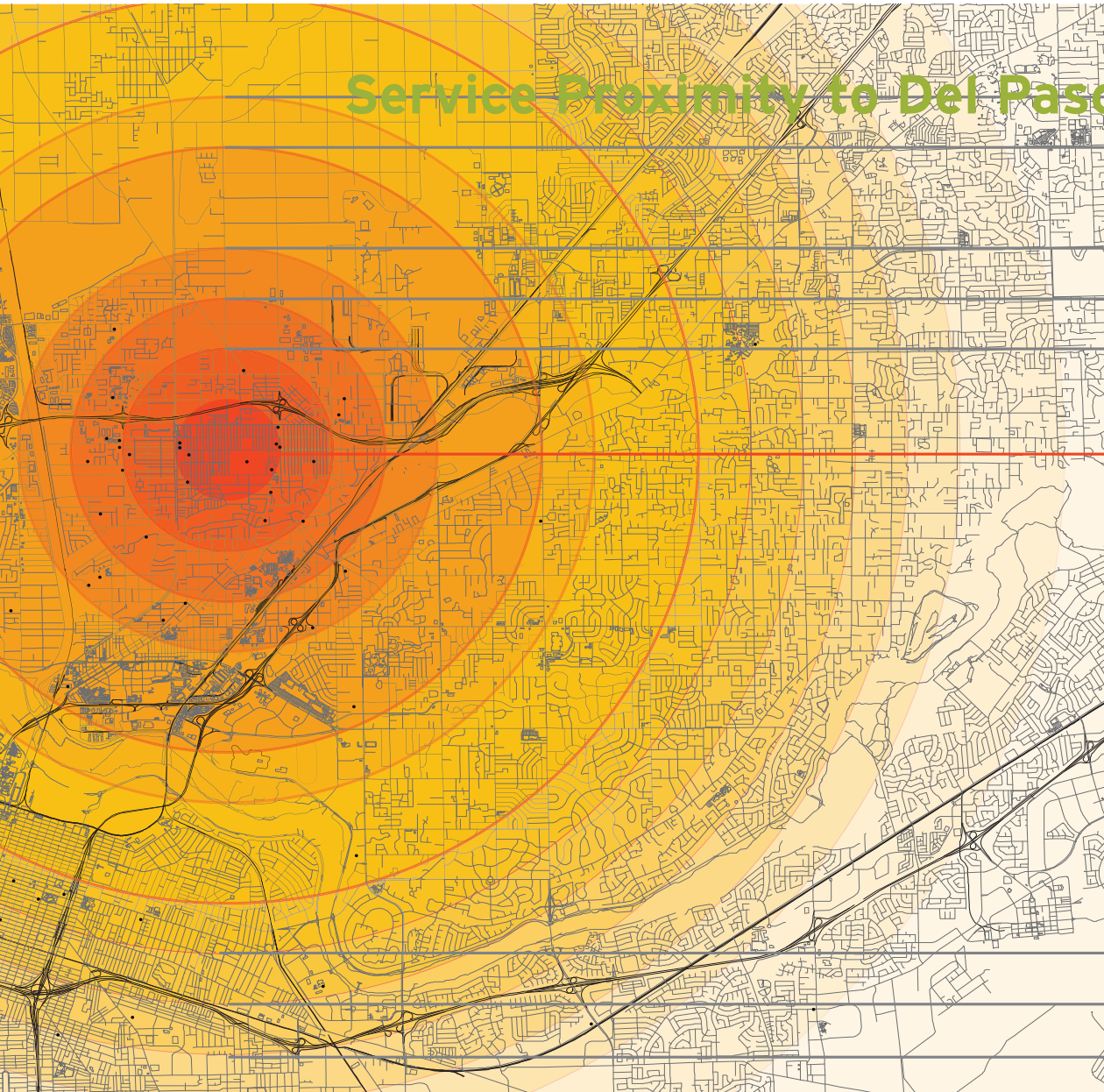
- FOOD
- HEALTHCARE
- GOVERNMENT SERVICES
- CIVIC & CULTURAL
- NON-PROFIT & PRIVATE
- EDUCATION

The neighborhood of Del Paso Heights lacks convenient access to a variety of services that can significantly impact the quality of life for residents within the neighborhood, in particular those residents with lower incomes or special needs. Healthy food and affordable healthcare are just two of the services that are difficult to access from the neighborhood. What services are in the neighborhood are located around the perimeter of the neighborhood along major roads. The City of Sacramento does not have a large presence within the Del Paso Heights neighborhood with most of their services, including Family Services, Housing and Legal Aid located downtown. Assuming access to a car or an adequate public transit system, downtown Sacramento is a 14 minute drive with no traffic or a 43 minute bus trip one-way from Del Paso Heights. But even with access to transportation accessing these services can be time-consuming for residents requiring time off from work or accessible child care.

- 4 MILES**  
Planned Parenthood  
Los Rios Community College
- 3 MILES**  
Affordable Legal Assistance
- 2 1/2 MILES**  
Sacramento Employment & Training Agency  
California Department of Aging  
US Health and Human Services Department  
Smith Academy of Arts & Sciences (P-6)
- 1 1/2 MILES**  
Sacramento Food Bank & Family Services  
Fire Station 20  
Johnston Park  
Community Center  
Admission Youth Service, Inc.  
Our Children's Keeper  
Foster Family Agency  
Mutual Assistance Network  
Norwood Junior High (6-8)
- 1 MILE**  
Viva Supermarket  
Dollar Store  
Mercyclinic Norwood  
Bi-Valley Medical Clinic, Inc  
Canna Care  
Mercy Housing Community Resource Project, Inc  
Martin Luther King Jr. Junior High (7-8)  
NOVA Opportunity Program (7-9)  
Vista Neuva Career & Technology High (9-12)
- 1/2 MILE**  
Money Avenue Community Garden  
Access Dental  
Molina Healthcare  
Fire Station 1  
Police Station  
Del Paso Heights Elementary  
Michael J. Cantori Elementary  
Sunshine Preschool Academy  
Linda Torres Child Care  
Money Avenue Early Childhood Development School
- DEL PASO HEIGHTS PROPER**  
Loa's Market  
Rainbow Market  
Mini Mart  
Eye Doctor: Dr. Terry K. Isbell  
Del Paso Heights Public Library  
Mutual Assistance Network  
Grant Union High School (9-12)  
My Love 4 Your Kids
- 5 MILES**  
Sutter General Hospital  
Mercy General Hospital  
Planned Parenthood  
California Alliance of Child and Family Services  
Sacramento Resident Advisory Board  
Sacramento Housing and Redevelopment Agency  
Sacramento Housing Department of Health Services  
Legal Aid Services  
Mercy Housing  
Voluntary Legal Services Program  
Le Cordon Bleu College of Culinary Arts
- 4 1/2 MILES**
- 5 MILES**  
Planned Parenthood  
Department of Social Services  
The Office of Child Abuse Prevention  
California Assisted Living Association  
US Housing & Urban Development Department  
Housing California  
California Health and Human Services Agency  
Mental Health Department  
US Indian Health Services  
State of California Department of Public Health  
Developmental Disabilities Services  
Housing Now  
Casey Family Programs  
California State University, Sacramento  
American River Community College
- 6 MILES**  
Sacramento Food Bank & Family Services
- 6 1/2 MILES**  
Alternative Family Services
- 7 1/2 MILES**  
Sacramento County Adult Protective Services
- UC Davis Medical Center**  
Emergency Medical Services (public)
- 5 1/2 MILES**

GoogleMaps, "Sacramento, CA," GoogleMaps, Google, 2014, Web. 13 19 Oct 2014. City of Sacramento, "Departments," City of Sacramento, 2014, Web. 13 19 2014. Twin Rivers Unified School District, "District Map," Twin Rivers Unified School District, 2014, Web. 17 October 2014, twinriversusd.org. Sacramento Fire Department, "Fire Station Locations by Council District," City of Sacramento Fire Department, Digitalglobe, 2014, Web. 15 October 2014.

# Service Proximity to Del Paso Heights



## 1/2 MILE

Morey Avenue Community Garden

Access Dental

Molina Healthcare

Fire Station 1

Police Station

Del Paso Heights

Elementary

Michael J. Castori

Elementary

Sunshine Preschool

Academy

Linda Torres Child Care

Morey Avenue Early

Childhood Development

School

## DEL PASO HEIGHTS PROPER

Lee's Market

Rainbow Market

Mini Mart

Eye Doctor: Dr. Terry K Isbill

Del Paso Heights Public Library

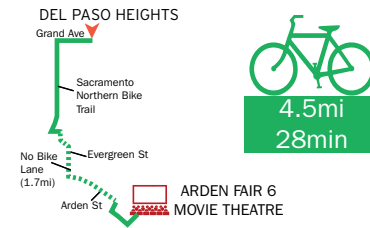
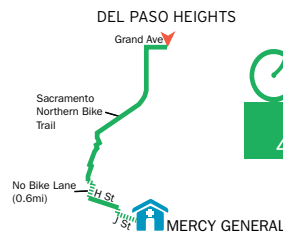
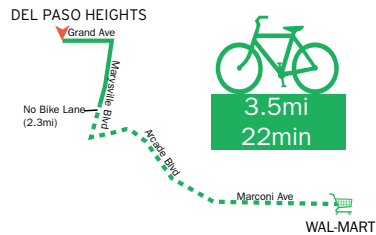
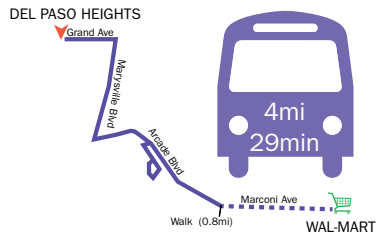
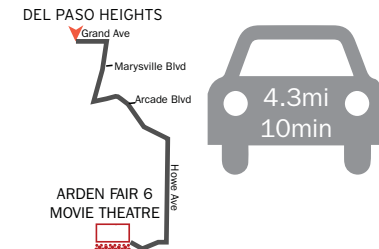
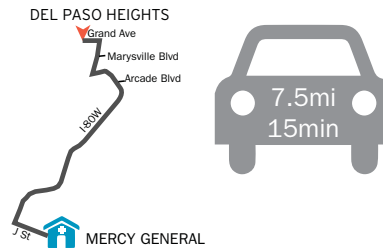
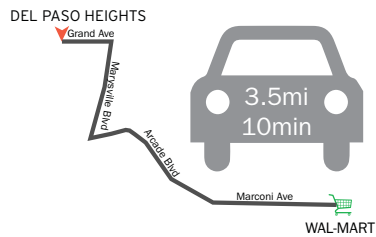
Mutual Assistance Network

Grant Union High School (9-12)

My Love 4 Your Kids



# Transportation and Access in Del Paso Heights



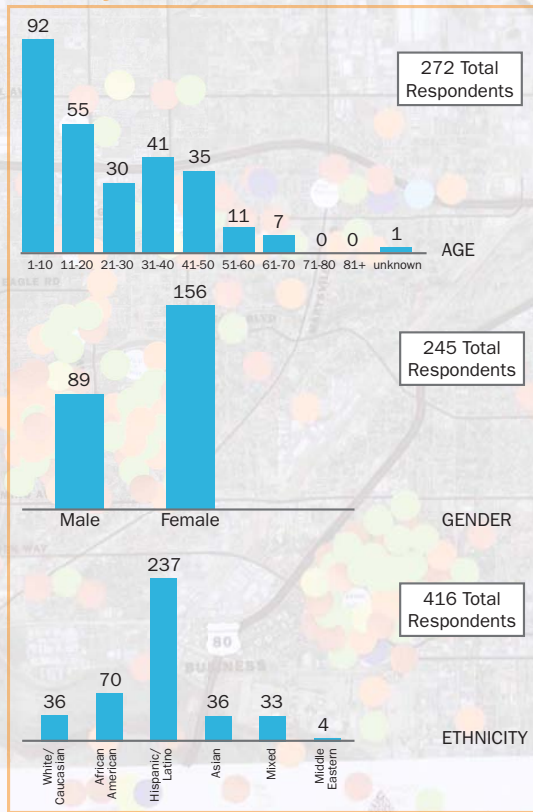
# Harvest Festival Community Engagement







## Demographics



## Places I like...

## Things I do...

	IN DPH	OUT OF DPH
<i>Restaurants</i>	19	14
<i>Grocery</i>	24	11
<i>Shopping</i>	9	18
<i>Work</i>	8	18
<i>Entertainment</i>	14	18
<i>School</i>	25	18
<i>Child Care</i>	17	4
<i>Recreation</i>	17	11



Site 2: Marysville Blvd and Roanoke Ave

*I wish this was...*



Site 1: Grand Ave and Marysville Blvd

*I wish this was...*



Site 3: Rio Linda Blvd and Roanoke Ave

*I wish this was...*





**Site 2:** Marysville Blvd and Roanoke Ave

*I wish this was...*



**Site 1:** Grand Ave and Marysville Blvd

*I wish this was...*



**Site 3:** Rio Linda Blvd and Roanoke Ave

*I wish this was...*



# *I wish this was...*

- Parking (1)
- Gas Station (2)
- Bike Friendly (1)
- Fix Streets (1)

- Coffee Shop (3)
- McDonald's (1)
- Restaurant (3)
- Bakery (1)
- Sonic (1)
- Pizzeria (2)
- Jamba Juice (1)

- Park (6)**
- Football/Soccer Field (7)**
- Playground (8)**
- Play Tag (1)
- Dog Park (2)
- Basketball Court (2)

- Shopping (1)
- Grocery Store (10)**
- Mall (2)
- Forever 21 (3)
- Claire's (2)
- Sanrio (1)
- Walmart (3)
- Candy Shop (2)
- Card Shop (1)

- Safe (6)**
- Tutoring Center (1)
- Gym (1)
- Job Opportunity (1)
- Daycare (2)
- Free Clinic (1)
- Library (3)
- Children's Center (1)
- Medical/Hospital (1)
- Fix Schools (1)
- Community College (1)
- Free Internet (1)
- Community Center (1)
- My House Close to School (1)
- Weave Program (1)

- After School Place for Kids (1)
- Arcade (3)
- Movie Theater (1)
- Chuckie Cheese (2)
- Disneyland (2)
- Waterpark (1)
- Carnival (1)
- Six Flags (1)
- Fair (1)



Site 2: Marysville Blvd and Roanoke Ave



Site 1: Grand Ave and Marysville Blvd



Site 3: Rio Linda Blvd and Roanoke Ave



*I wish this was...*



*I wish this was...*



*I wish this was...*

# *I wish this was...*

**transportation  
needs**

**5**

**outdoor  
recreation**

**26**

**community  
resources**

**23**

**restaurants**

**12**

**shopping**

**25**

**entertainment**

**13**



# sustainable taiwan







日治時代台北工專周邊

















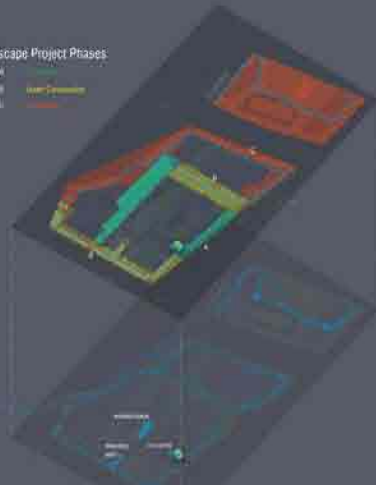
# INTERFACE - INTERMEDIARY - INBETWEEN

## Campus - Metropolis

DEMONSTRATIVE MODEL

### Landscape Project Phases

- 1. Urban Context
- 2. Urban Form
- 3. Urban Structure
- 4. Urban Infrastructure
- 5. Urban Landscape



### Future Situation

A landscape analysis of the existing water with various scales of permeability, which will connect with only half-weekly scheduled services. Planned to stop the movement of the storm water to the water treatment plant. The existing site, which is not covered by the existing site, should have a permeability for the landscape.



### Current River Situation

While the existing river situation is not a typical river, it is a typical river in the city. The existing river is not a typical river in the city. The existing river is not a typical river in the city. The existing river is not a typical river in the city.



### Historic River Flow (1940)

A historical river flow in the middle, along the North and West edges of campus, which is the

### Passive Energy Sources

- 1. Solar Panels & Windows
- 2. Green Walls
- 3. Green Roofs
- 4. Green Facades

### Green Walls

- 1. Green Walls in South Side
- 2. Green Walls in North Side
- 3. Green Walls in East Side
- 4. Green Walls in West Side

### Green Roofs

- 1. Green Roofs
- 2. Green Roofs
- 3. Green Roofs

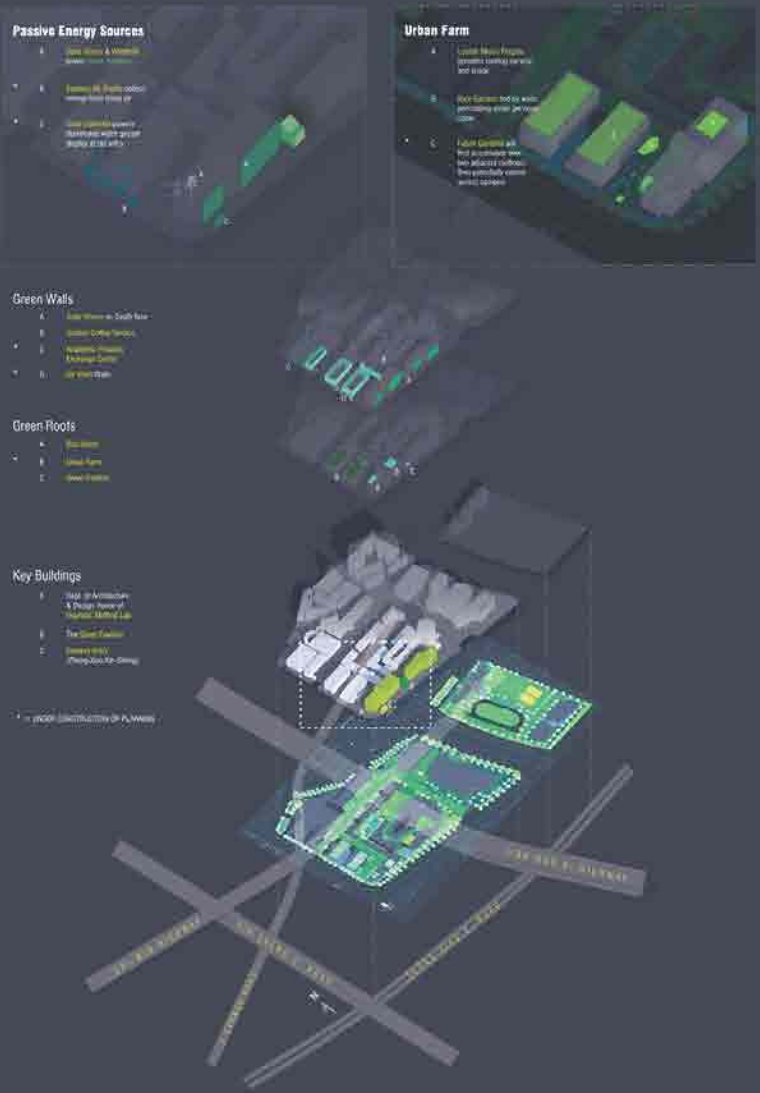
### Key Buildings

- 1. School of Architecture & Design
- 2. School of Urban Planning & Design
- 3. The Great Hall
- 4. School of Landscape Architecture

in place construction of plan

### Urban Farm

- 1. Local Market Program
- 2. Local Market Program
- 3. Local Market Program



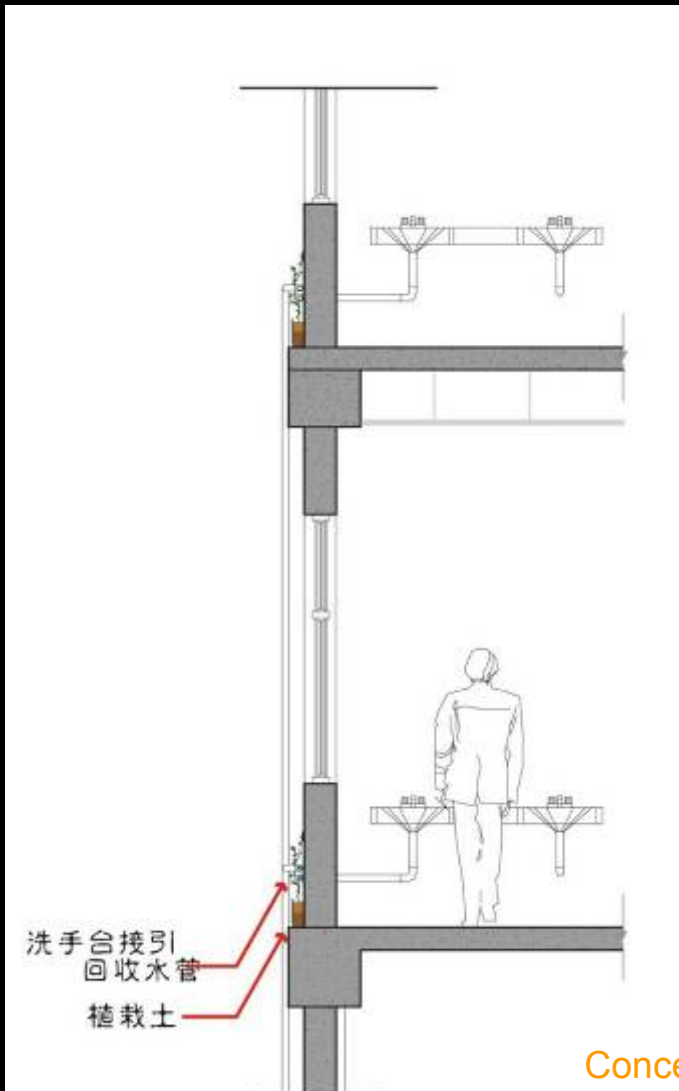




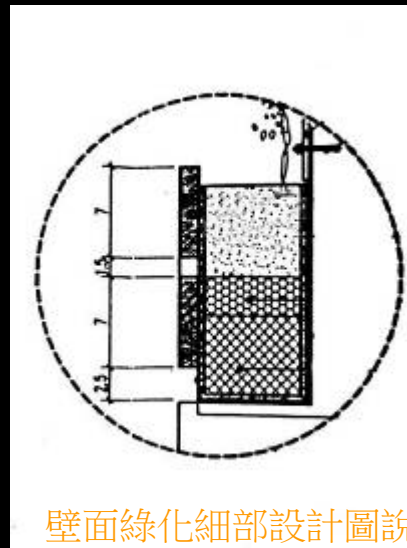




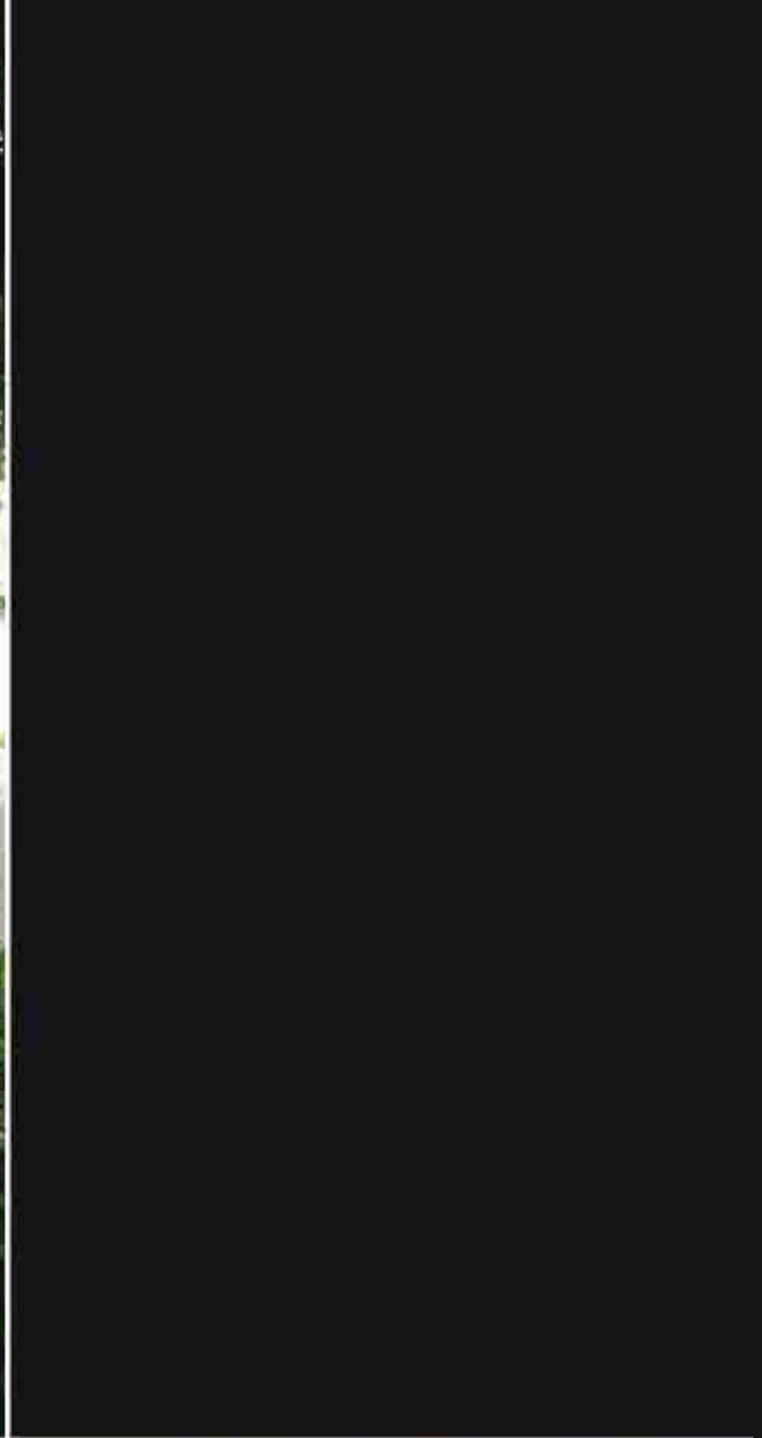
## 2-D.壁面綠化



Concept Sketch



中水回收裝置





## 2-F.聯外水景

編號	名稱	規格	m2	株/m2	總計	單位	備註
1	觀音宗竹	H=30cm	6.5	8	52	株	
2	野薑花	H=30cm	10	12	120	株	
3	蜘蛛百合	H=30cm	8	8	64	株	
4	射干	H=15cm	16	16	256	株	
5	腎蕨	H=10cm	14	25	350	株	
6	水燭	H=30cm	6	5	30	株	
7	月桃	H=30cm	10.5	5	52.5	株	
8	局子花	H=25cm	5.5	16	88	株	
9	春不老	H=25cm	9	16	144	株	
10	蜜源植物	H=25cm	13	16	208	株	野薑花 馬利筋 馬櫻丹
11	錫蘭葉下珠	H=15cm	10	16	160	株	
12	馬櫻丹	H=25cm	10.5	16	168	株	
13	蚌蘭	H=10cm	7	16	112	株	
14	地被植物	H=20cm	103	8	824	株	蔓榕 壓石草 蚌蘭 碎蕊
15	姑婆芋	H=45cm	10	1	10	株	
16	筆筒樹	H=60cm	15	1	15	株	
17	草皮		114	1	114	株	

聯外水景植栽表

















## 2-C.生態露台











# INTERFACE - INTERMEDIARY - INBETWEEN

## Campus - Metropolis

DEMONSTRATIVE MODEL

### Landscape Project Phases

- 1. Urban Context
- 2. Urban Farm
- 3. Green Walls
- 4. Green Floors
- 5. Key Buildings

### Future Situation

A landscape analysis of the existing water with various scales of permeability reveals the connection of the built, water, and green infrastructure. The future landscape design should be able to recover the lost green infrastructure, and improve the permeability of the urban fabric. The future landscape design should be able to recover the lost green infrastructure, and improve the permeability of the urban fabric.

### Current River Situation

While the river is a natural resource, it is also a natural barrier. The river is a natural barrier and source of water. The river is a natural barrier and source of water. The river is a natural barrier and source of water.

### Historic River Flow (1940)

The river is a natural resource, it is also a natural barrier. The river is a natural barrier and source of water. The river is a natural barrier and source of water.

### Passive Energy Sources

- 1. Solar Panels & Windows
- 2. Green Walls
- 3. Green Floors
- 4. Key Buildings

### Urban Farm

- 1. Local Market Program
- 2. Urban Farm
- 3. Green Walls
- 4. Green Floors
- 5. Key Buildings

### Green Walls

- 1. Green Walls
- 2. Green Floors
- 3. Key Buildings
- 4. Green Walls
- 5. Green Floors

### Green Floors

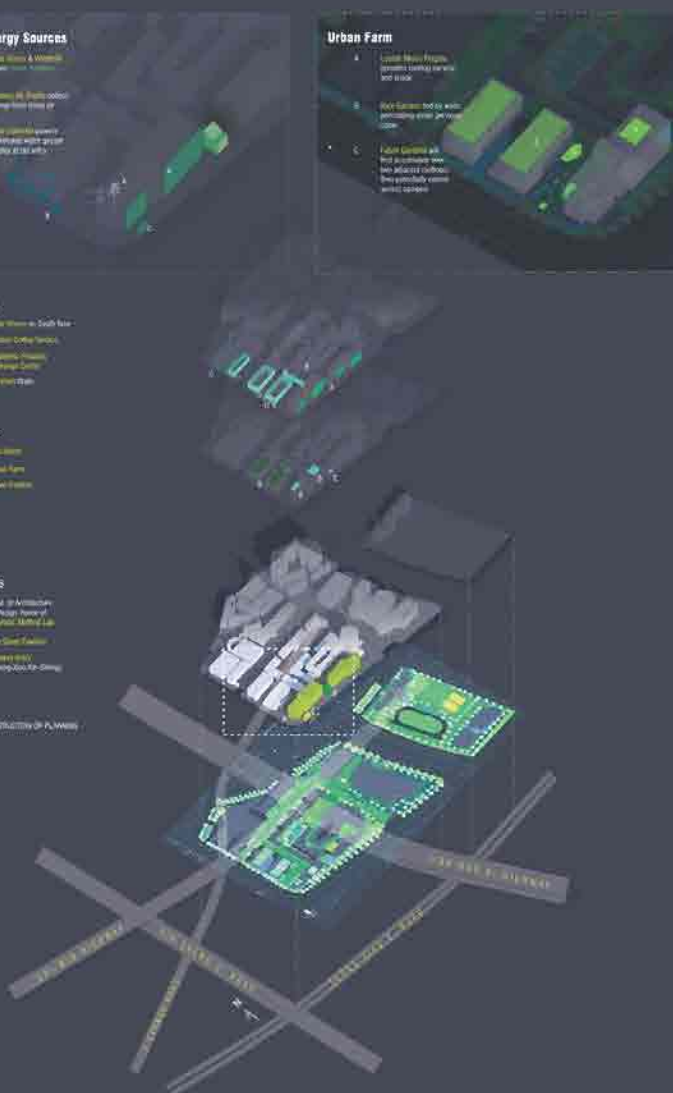
- 1. Green Floors
- 2. Green Walls
- 3. Key Buildings
- 4. Green Floors
- 5. Green Walls

### Key Buildings

- 1. School of Architecture & Design
- 2. School of Urban Planning & Design
- 3. The Green Building
- 4. Green Building
- 5. Green Building

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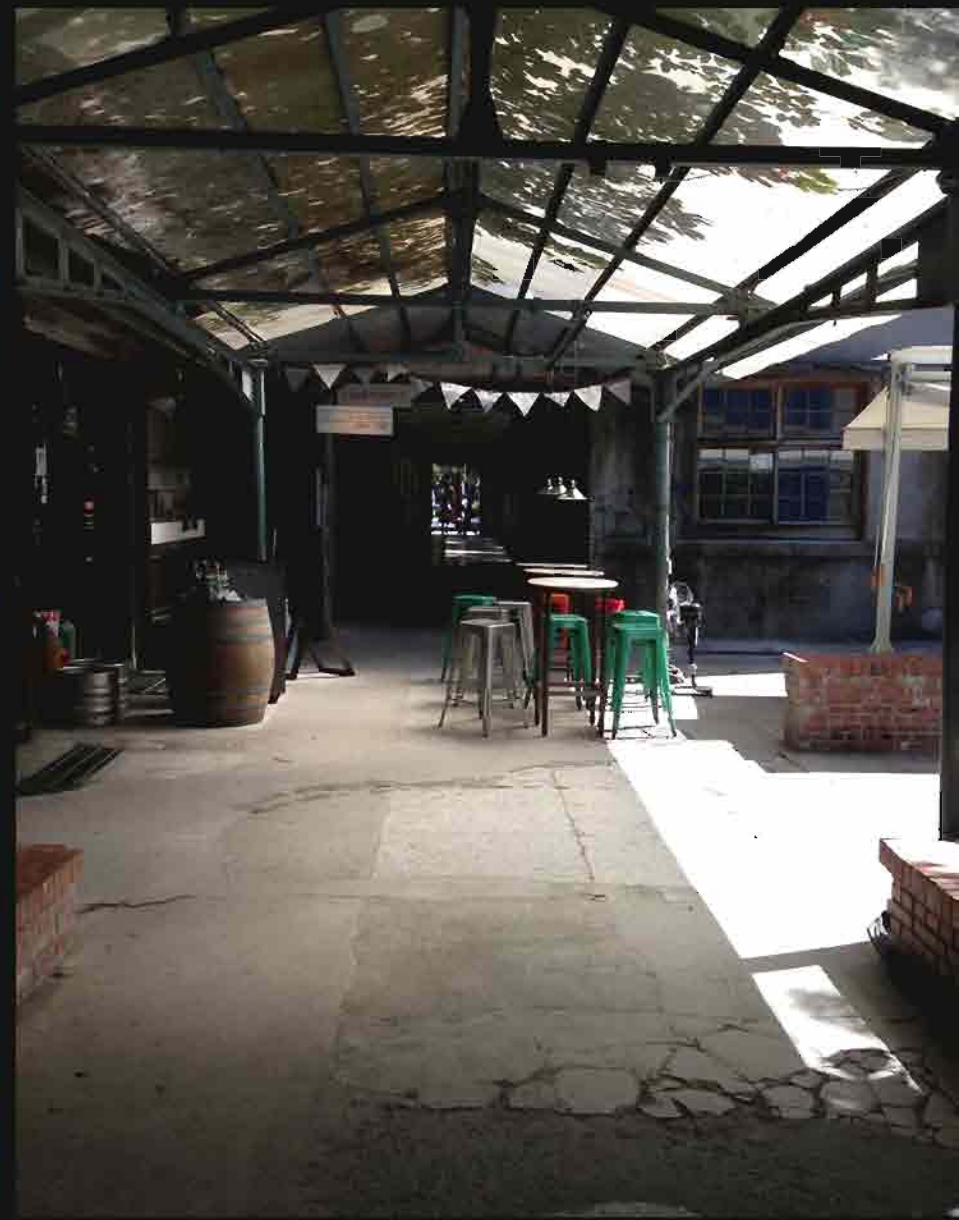




**Alleycat's**

Stone-Oven-Baked PIZZA















台中市政府教育局  
台中教育大學  
台中社區教育示範站  
←













