STRENGHTENING CHICAGO'S SUSTAINABLE DEVELOPMENT POLICY



Former Policy Impact/Outcomes

- Chicago's Sustainable Development Policy requires projects receiving public funding or needing special approvals to incorporate sustainable design elements (requirements vary by project type):
 - Building Certification (LEED, ENERGY STAR, Green Globes)
 - Green Roof (100% or 50% in-conjunction with certification)
 - Exceed Stormwater Ordinance performance requirements

LEED Buildings:



"Illinois named No. 1 in LEED certification"



Illinois #1 in LEED for Third Consecutive Year

Dear Jamie

USGBC announced today that **Illinois ranks** #1 in the nation for LEED certified space. That makes it three years in a row Illinois has been #1 based on the per capital rankings released every year. Click here to view the press release and the 2015 list (Top 10 States for LEED.

Green Roofs:



As of 2013, the City of Chicago had 509 vegetated roofs, covering 5.5MM square feet

Sustainability Context

- The Chicago Climate Action Plan established greenhouse gas emission targets
 - 25% GHG reduction by 2020, 80% by 2050
 - Focus on energy, transportation, waste, & adaptation
- The **Sustainable Chicago Action Agenda** prioritized specific activities to drive near-term progress
 - Mutually-reinforcing citywide and cross-sector goals
 - Focus on economy, energy, transportation, waste, water open spaces & healthy food, climate





Recent Efforts (Not Exhaustive)

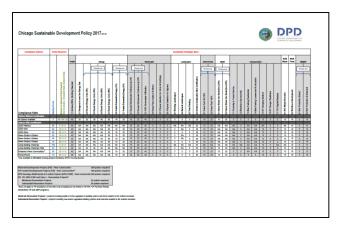


Objectives of the Policy Refresh

- Build a "smarter" policy:
 - Reflect changes in market developments since 2004
 - Incorporate broader environmental context
 - Recognize innovation in sustainable design
 - Increase flexibility in meeting the City's sustainability goals
 - Create environmental, social and economic value in development projects
- Enable impact / outcome tracking







Policy Update Process

• Feb 2016: Assembled committee of experts



Andrew Billing (stormwater), Alison Lindburg (energy efficiency), Benjamin Skelton (energy efficiency), Samantha Bingham (alternative transportation), Carl Giometti (bird-friendly design), Ron Daye (landscape), Meg George (PD process), Jade Paul (sustainable landscapes), Jeff Wickenkamp (stormwater), John Mlande (energy efficiency), Judith Pollock (bird-friendly design), Katie Kaluzny (building certification), Laura Demink (ecology), Laura Umek (ecology), Billy McGhee (building certification), Tom Price (sustainable landscapes), Cindy Roubik (historic preservation and design), Noah Szafraniec (PD process), Terry Guen (sustainable landscapes), Karen Weigert (sustainability), Chris Wheat (sustainability), Christopher Dillion (Developer)

- Feb July 2016: Met three times as large group then broke up into sub-groups and each group met separately
- July 2016: Held two meetings with developers to review framework
- Oct 2016: Posted draft on October 3 and met with 15 stakeholder groups to obtain feedback
- Dec 2016: Re-assembled committee to discuss feedback and discuss changes
- Dec 2016: Posted new draft based on feedback and provided 2 week public comment period
- Jan 2017: Implemented updated policy

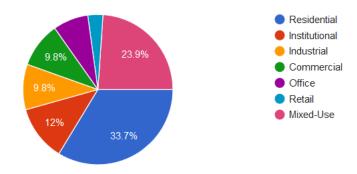
Updated Policy

Chicago Sustain	able	e Deve	lopn	nen	t Po	licy	201	7.01.12																					A COLUMN TO THE				EPARTME à DEVELO		
Compliance Options	Point	s Required															Sustair	nable S	rategie	s Menu															_
			Health				Energy						Storm	nwater				Lands	capes		Green	ı Roofs	Wa	ter			Tra	ınsporta	tion			Solid Waste	Work Force	Wi	ldlife
		ap				Cho	ose one		Choo	se one		Choose or	ne								Choo	se one	Choos	e one										Choo	ose one
Compliance Paths	Starting Points	Number of Optional Points Required New Construction / Substantial Rehab / Moderate Reha	1.1 Achieve WELL Building Standard	2.1 Designed to earn the Energy Star	2.2 Exceed Energy Code (5%)	2.3 Exeed Energy Code (10%)	2.4 Exeed Energy Code (25%)	2.5 Exeed Energy Code (40%)	2.6 Onsite Renewable Energy (3%)	2.7 Onsite Renewable Energy (5%)	3.1 Exceed Stomwater Ordinance by 25%	3.2 Exceed Stomwater Ordinance by 50%	3.3 100% Stormwater Infiltration	3.4 Sump Pump Capture & Reuse	3.5 100-year detention for lot-to-lot buldings	3.6 100-year Detention for Bypass	4.1 Working Landscapes	4.2 Natural Landscapes	4.3 Tree Planting	4.4 Achieve Sustainable Sites Certification	5.1 Green Roof 50-100%	5.2 Green Roof 100%	6.1 Indoor Water Use Reduction (25%)	6.2 Indoor Water Use Reduction (40%)	7.1 Proximity to Transit Service	7.2 Bikeshare Sponsorship	7.3 Bike Parking Residential	7.4 Bike Parking Commercial & Industrial	7.5 EV Charging Stations	7.6 EV Charger Readiness	7.7 CTA Digital Displays	8.1 80% Waste Diversion	8.2 Workforce Development	9.1 Bird Protection (Basic)	9.2 Bird Protection (Enhanced)
ptions Without Certification Il Options Available	0	100 / 50 / 25	40	30	20	30	40	50	10	20	10	20	40	5	5	5	5	5	5	20	10	20	10	20	5	5	5	5	10	5	5	10	10	5	1
ptions With Certification		.007 007 20	70	30	20	30	70	30	10	20	10	20	-70				Ľ	J			10	20	10	20		,	,	J	10						
EED Platinum	95	5/0/0	40	NA	NA	NA	NA	NA	NA	NA	10	20	40	5	5	5	NA	NA	NA	20	10	20	NA	NA	NA	5	NA	NA	NA	5	5	NA	10	5	1
EED Gold	90	10 / 0 / 0	40	NA	NA	NA	NA	50	10	20	10	20	40	5	5	5	5	NA	5	20	10	20	NA	NA	NA	5	NA	NA	10	5	5	10	10	5	1
ED Silver	80	20 / 0 / 0	40	NA	NA	NA	40	50	10	20	10	20	40	5	5	5	5	5	5	20	10	20	NA	20	NA	5	NA	NA	10	5	5	10	10	5	Ι.
een Globes 4-Globes	90	10 / 0 / 0	40	NA	NA	NA	NA	50	10	20	10	20	40	5	5	5	5	NA	5	20	10	20	NA	NA	NA	5	NA	NA	10	5	5	10	10	5	
een Globes 3-Globes	80	20 / 0 / 0	40	NA	NA	NA	40	50	10	20	10	20	40	5	5	5	5	NA	5	20	10	20	NA	NA	NA	5	NA	NA	10	5	5	10	10	5	
een Globes 2-Globes	70	30 / 0 / 0	40	NA	NA	NA	40	50	10	20	10	20	40	5	5	5	5	5	5	20	10	20	NA	20	NA	5	NA	NA	10	5	5	10	10	5	
ng Building Challenge	100	0/0/0	40	NA	NA	NA	NA	NA	NA	NA	10	20	40	5	5	5	NA	NA	NA	20	NA	NA	NA	NA	NA	NA	NA	NA	10	5	NA	NA	10	5	1
ng Building Challenge Petal	90	10 / 0 / 0	40	NA	20	30	40	50	NA	NA	10	20	40	5	5	5	5	NA	5	20	10	20	10	20	NA	5	NA	NA	10	5	5	10	10	5	1
erprise Green Communities*	80	20 / 0 / 0	40	NA	NA	NA	NA	NA	10	20	10	20	40	5	5	5	5	5	5	20	10	20	10	20	5	5	NA	NA	10	5	5	10	10	5	1
siveHouse	70	30 / 0 / 0	40	NA	NA	NA	NA	NA	10	20	10	20	40	5	5	5	5	5	5	20	10	20	10	20	5	5	5	5	10	5	5	10	10	5	1
ly available to affordable housing	ng proje	cts funded by	DPD's F	lousing	Bureau																												-		
and Development Business	- (DD)	Na Canata				100																													F
nned Development Project: Funded Development Proje				on*		-	oints re	-																											H
D Housing, Multi-family (>5					v Const																														
TIF, DPD-H MF and Class L				,		. 100 p	0	44																											
Moderate Renovation Proj		-,-				25 po	ints req	uired																											
Substantial Renovation Pro	jects					50 po	ints req	uired																											
es not apply to TIF assistance of	of less th	an \$1M (inclu	uding bu	t not lim	rited to T	IF-NIP,	TIF Purc	hase Re	hab,																										
amlined TIF and SBIF progran	ns)																																		
derate Renovation Projects	= project	te including a	artial or	minor :	ingrades	to build	ling cuter	ne and -	niner re	naire to t	the outer	ior enve	lone																						
		ര iniciuuliid Di	artial Of	millor U	apgraues	io bullo	ing syler	แรสแน้โ	mioi fe	µa115 10 l	uic ex(e)	IOI BIIVE	IUPE																						

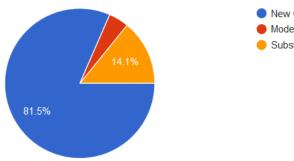
Results

Project Type

92 responses



Project Description

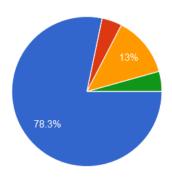


- New Construction (100 points)
- Moderate Renovation (25 points)
- Substantial Renovation (50 points)

Results

Project Designation

92 responses



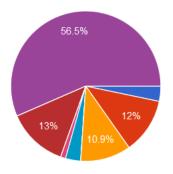
Planned Development

TIF Funded Project

DPD Housing Project

Class L

Select this project's certification level



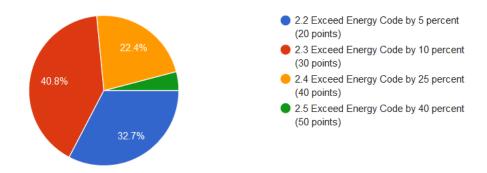
- LEED Platinum (95 points)
- LEED Gold (90 points)
- LEED Silver (80 points)
- Green Globes 4-Star (90 points)
- Green Globes 3-Star (80 points)
- Green Globes 2-Star (70 points)
- Living Building Challenge (100 points)
- Living Building Challenge Petal (90 p...
- ▲ 1/2 ▼

- Enterprise Green Communities (80) points, available just to projects funded by DPD's housing bureau)
- PassiveHouse (70 points)
- No certification (0 points)

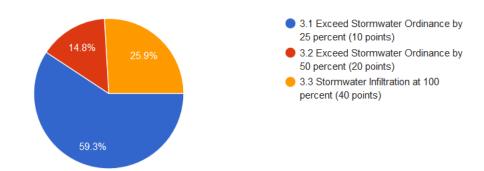
Results

Exceed Energy Code (choose no more than one)

49 responses



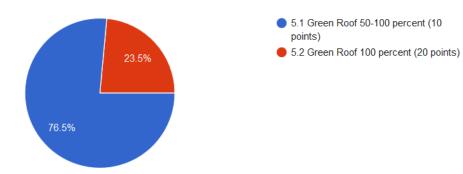
Stormwater Volume Reduction (choose no more than one)



Results

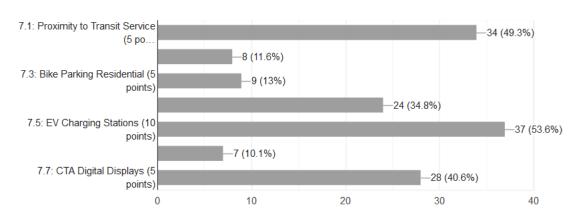
5. Green Roofs

Choose no more than one



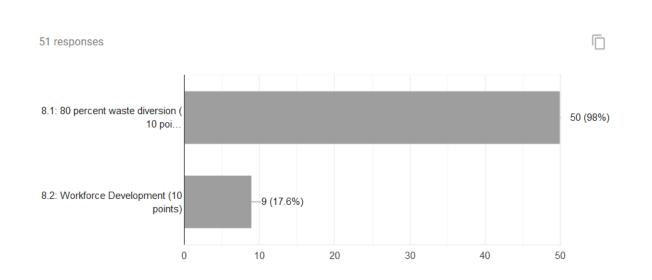
Results

7. Transportation Strategies



Results

8. Solid Waste/Work Force



Resilient Corridors 2019





Project Background



Initiated by HUD grant related to April 2013 flood event

project location

Challenge









Objectives

Reduce basement flooding risk by activating city-owned, vacant lots

Create beautiful public spaces that can be maintained by local stewards

Design and construct in 20172018

Basement Flooding



Basement Flooding



Approach









Runnel
Rain Garden
Plaza
Passive Recreation
Urban Farm
Permeable Pavement

Choose sites with best opportunity to reduce basement flooding

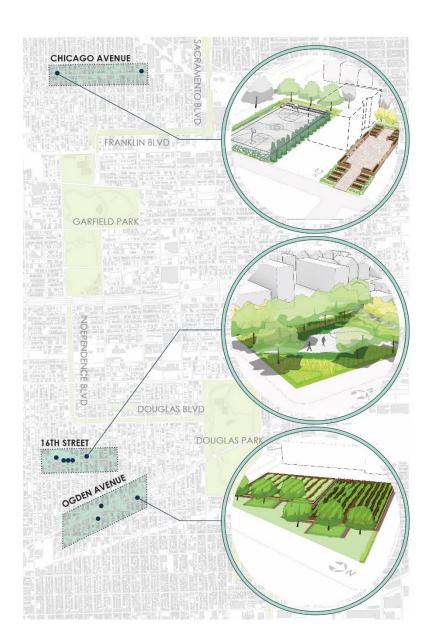
Green Infrastructure

Underground Storage

Bring water from the ROW into sites



Resilient Corridors

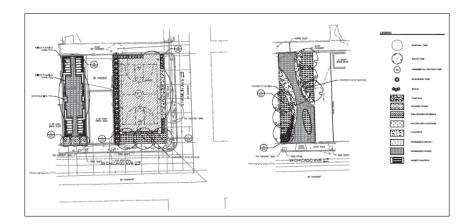


3 corridors10 project areas23 parcels



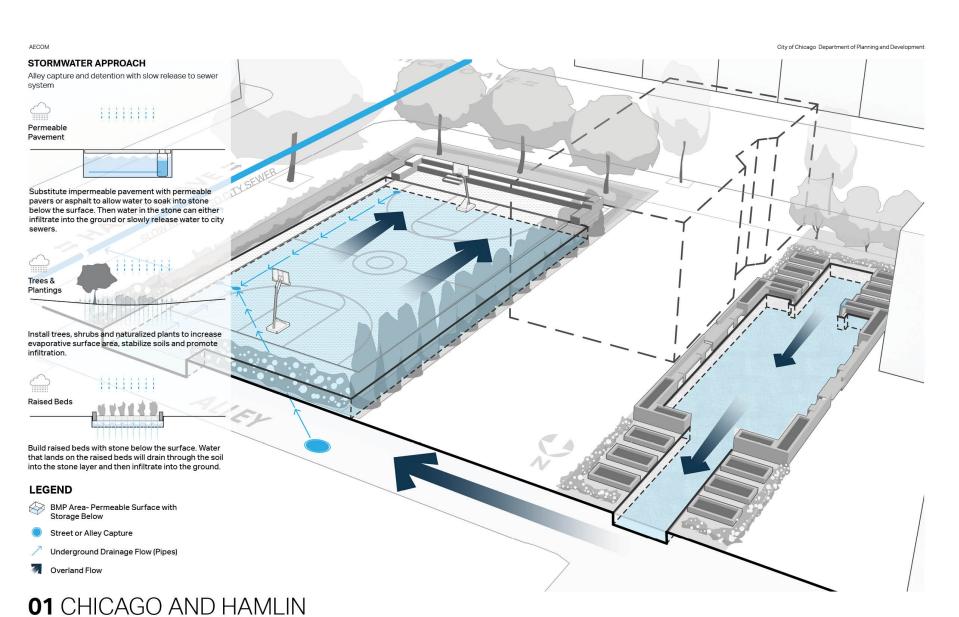


Chicago Avenue

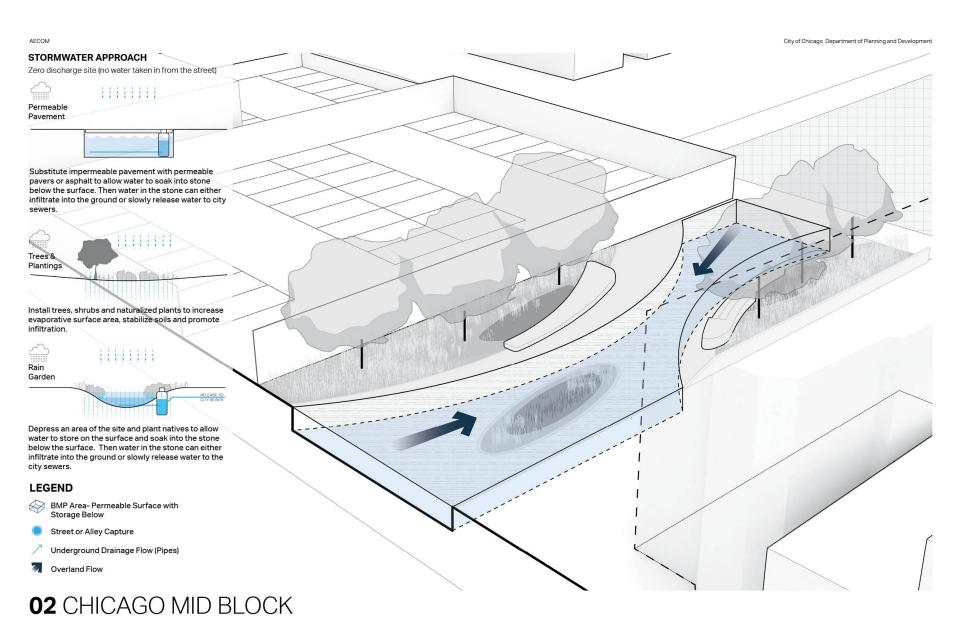




Site #	Community Group	Complimentary Projects	Brief Description	Stormwater Approach		
1a	Kelly YMCA & Franciscan Brothers	New youth and senior programming	Multi-use permeable hardscape	Alley capture and detention with slow release to sewer system		
1b	Kelly YMCA & Franciscan Brothers	New youth and senior programming	Multi-use permeable hardscape and vegetable garden	Zero discharge site		
02	West Humboldt Development Council	Future CPD skatepark	Gateway to future skatepark	Zero discharge site		







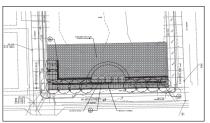


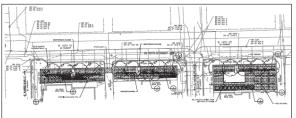


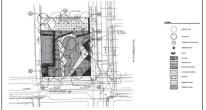
DEL KAR PHARMACY INC.

16th Street

24th ward

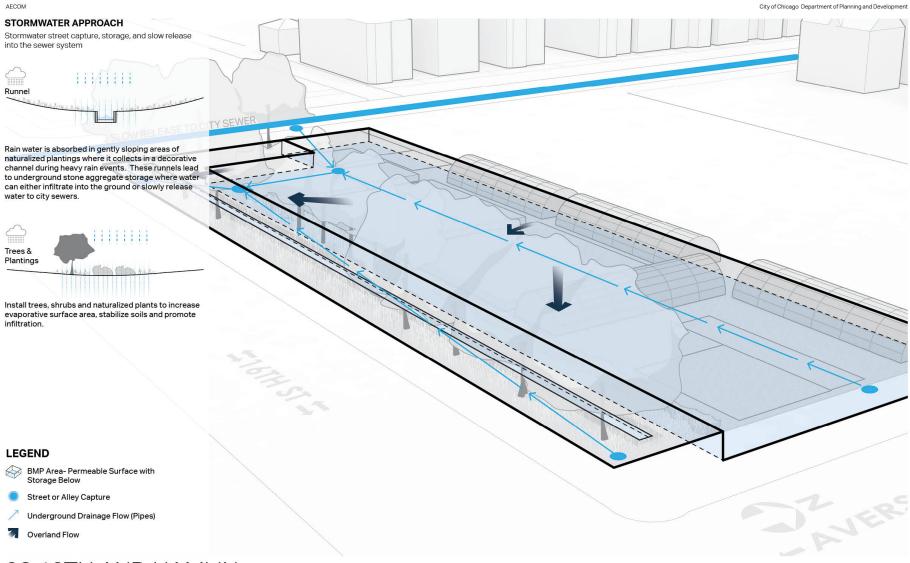






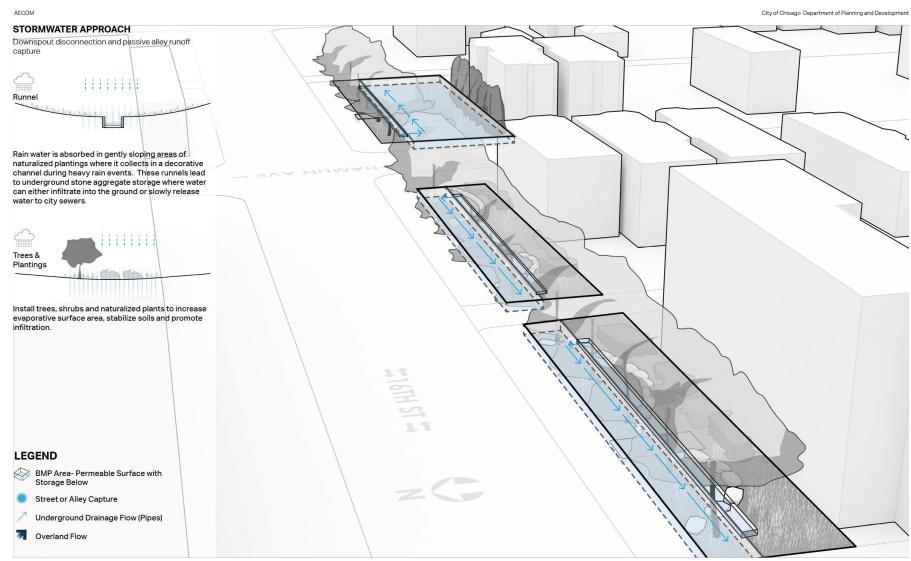


Site #	Community Group	Complimentary Projects	Brief Description	Stormwater Approach
03		Youth training and	Landscape and edge	Stormwater capture, storage
	Gardeneers	education about edible	treatment	and slow release to sewer
		trees and shrubs	treatment	system
04-06		Youth training and	Streetscape passive	Downspout disconnection and
	MLK Bloom Gardens	education about edible	'''	passive alley runoff capture
		trees and shrubs	garden and adventure play	passive alley runoil capture
07	Dolkar Pharmany non-profit	New restaurant and hair	Community gathering flex	Stormwater storage for onsite
07	Delkar Pharmacy non-profit	salon	space	runoff with restricted discharge



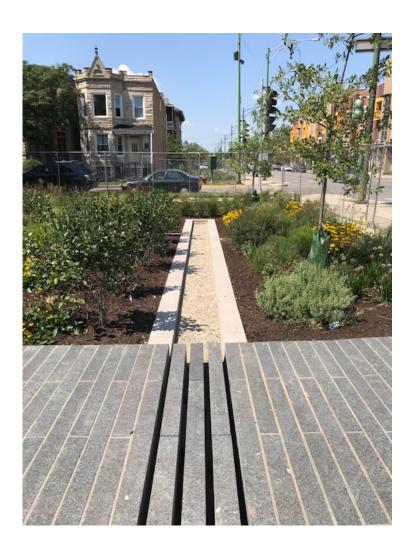
16TH AND HAMLIN

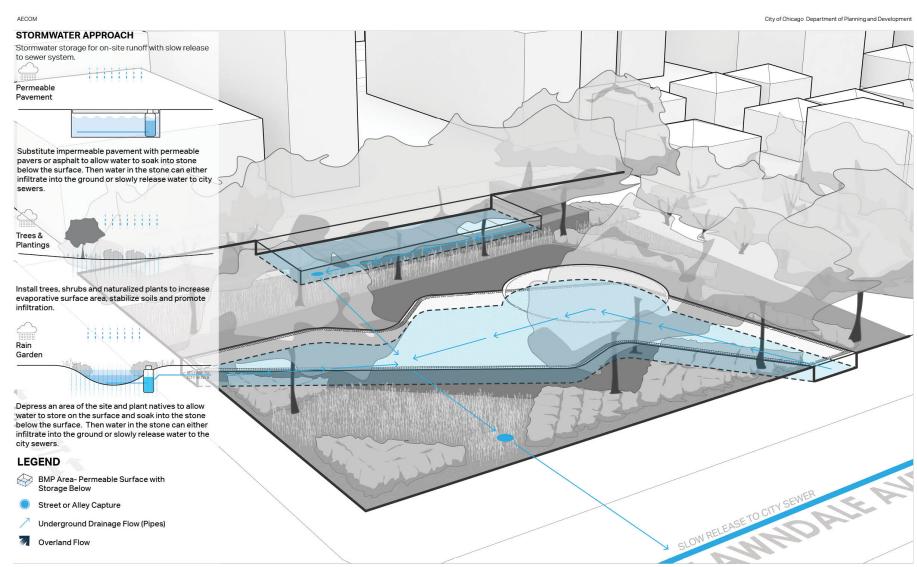




04-06 16TH AND HAMLIN





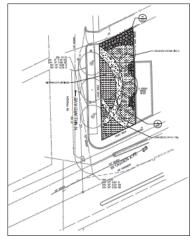


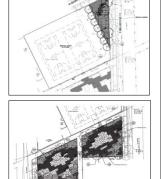
16TH AND LAWNDALE

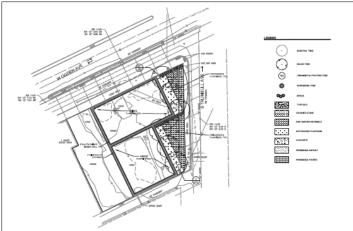




CHICAGO BOTANIC GARDEN



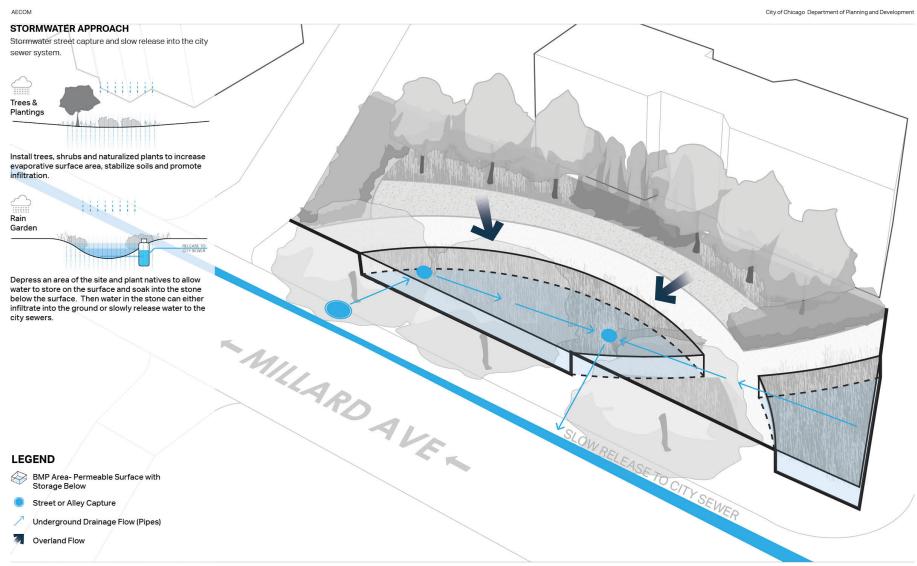




Ogden Avenue

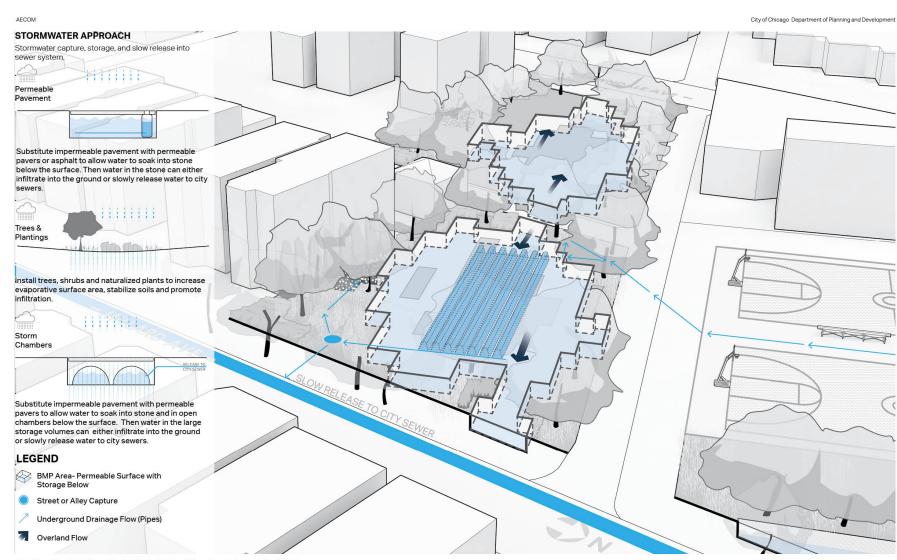


Site #	Community Group	Complimentary Projects	Brief Description	Stormwater Approach		
08	Lawndale Christian Health Center		Passive garden and block	Stormwater landscape feature		
00	Lawridale Christian Health Center		gateway	with stormwater capture		
		Two basketball courts with	Two basketball courts with			
09	Lawndale Christian Health Center	bleachers to be used for	Leisure garden adjacent to	Stormwater capture, storage, and slow release into sewer		
	Lawridale Christian Health Center	tournament and league	future basketball venue			
		play		system		
		New production garden for	Production garden for	Stormwater capture, storage,		
10	Chicago Botanic Garden	graduates of training	_	and slow release into sewer		
		garden	incubator training garden	system		



OGDEN AND N. MILLARD





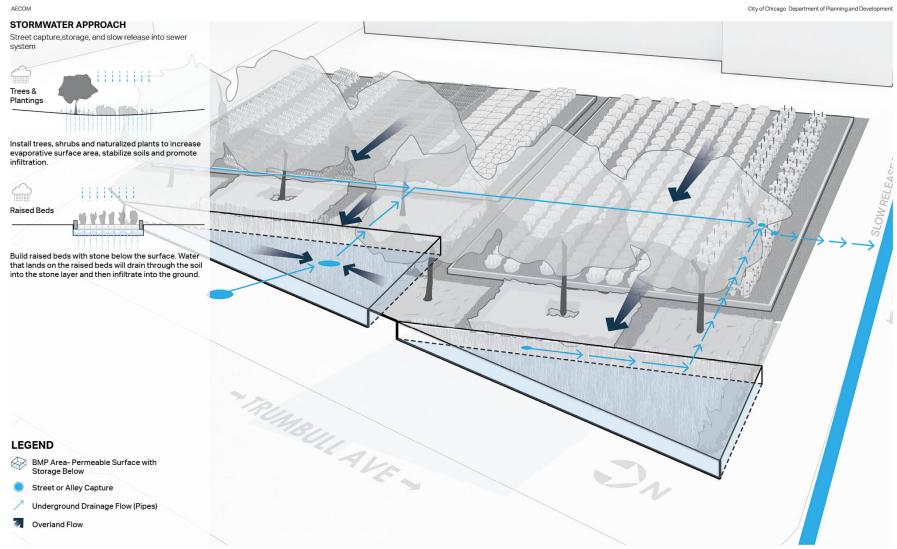
OGDEN AND S. MILLARD









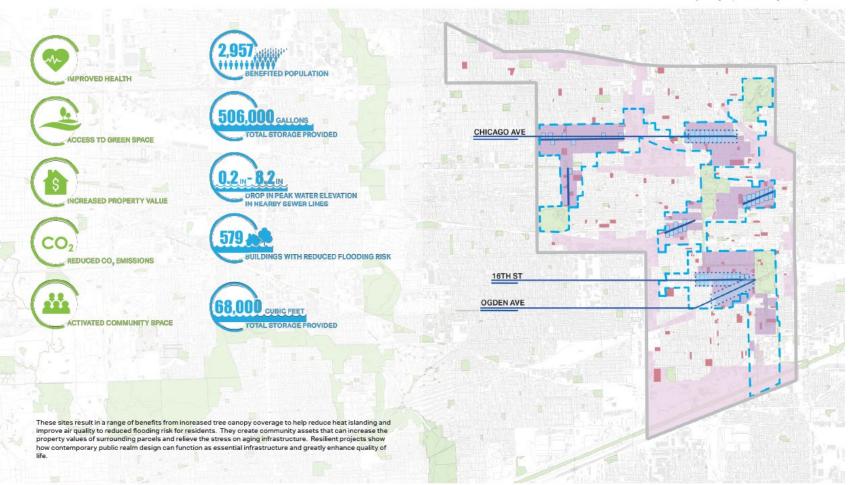


OGDEN AND TRUMBULL



AECOM

City of Chicago Department of Planning and Development



OVERALL BENEFITS