

An aerial photograph of an industrial or construction site. A large, dark-roofed building is the central focus. To its left is a large parking lot filled with cars. To its right is another area with various vehicles and equipment. The site is bordered by a road on the left and the Malden River on the right. The text "MIT Leventhal Cities Prize" is overlaid in yellow at the top. The text "MALDEN RIVER WORKS FOR WATERFRONT EQUITY AND RESILIENCE" is overlaid in yellow on the central building. The text "MALDEN RIVER" is overlaid in white on the right side. At the bottom, there are two white text boxes containing meeting information and the project lead's name.

# MIT Leventhal Cities Prize

**MALDEN RIVER WORKS  
FOR WATERFRONT  
EQUITY AND RESILIENCE**

**MALDEN  
RIVER**

EPA Mystic River Watershed  
Steering Committee  
Meeting Dec 5, 2019

Kathleen Vandiver PHD  
Project Lead  
MIT CEHS

# Presentation Overview with Credits

EPA Mystic River Watershed Steering Committee Presentation Dec 5 , 2019  
Comprised of selected slides from Three Presentations

Slide #	Credits
3-14	<u>Leventhal Prize Jury Presentation</u> July 10, 2019 – Marie Law Adams
15-29	<u>Report Back on Human Health Risk Study for Boating on the Malden River</u> Presentation given to Committee of the Whole; Malden City Councilors , April 23, 2019 -Kathleen Vandiver
30-53	<u>Leventhal Prize Jury Presentation (Con't.)</u> (Photos #47 and # 49 added later)
54- 64	<u>Report Back on Survey Results from First Malden Public Mtg. Oct 21, 2019</u>

**MALDEN RIVER WORKS**  
FOR WATERFRONT EQUITY + RESILIENCE





[illegible]

**COUNCIL OFFICE  
THIRD FLOOR  
(781) 397-7130  
FAX: (781) 397-7004  
citycouncil@cityofmalden.org**

June 4, 2019



3

## MALDEN RIVER WORKS: FROM MAYOR GARY CHRISTENSON



LOOHOOLOO BY FRANK STELLA, MALDEN NATIVE

FRANK STELLA RETURNS TO MALDEN IN 2014 FOR WAYFINDING SYSTEM  
FEATURING STELLA'S ARTWORK

*(Photo By Paul Hammersley, Courtesy MATV Neighborhood View)*

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**MALDEN RIVER WORKS: THE LEVENTHAL CITIES PRIZE TEAM**



**KATHY  
VANDIVER**

**1 PROJECT LEAD—MIT CENTER FOR ENVIRONMENTAL HEALTH SCIENCES**



**MARIE  
LAW ADAMS**

**3 URBAN DESIGNER/ARCHITECT AND LECTURER - MIT**



**AMBER  
CHRISTOFFERSEN**

**5 GREENWAY PLANNER - MYSTIC RIVER WATERSHED ASSOC. (MyRWA)**

**6 SENIOR PLANNER – MALDEN REDEVELOPMENT AUTHORITY**

**2 DIRECTOR - MALDEN WORKS STEERING COMMITTEE**

**4 DIRECTOR - FRIENDS OF THE MALDEN RIVER (FoMR)**



**MARCIA  
MANONG**



**KAREN  
BUCK**



**EVAN  
SPETRINI**

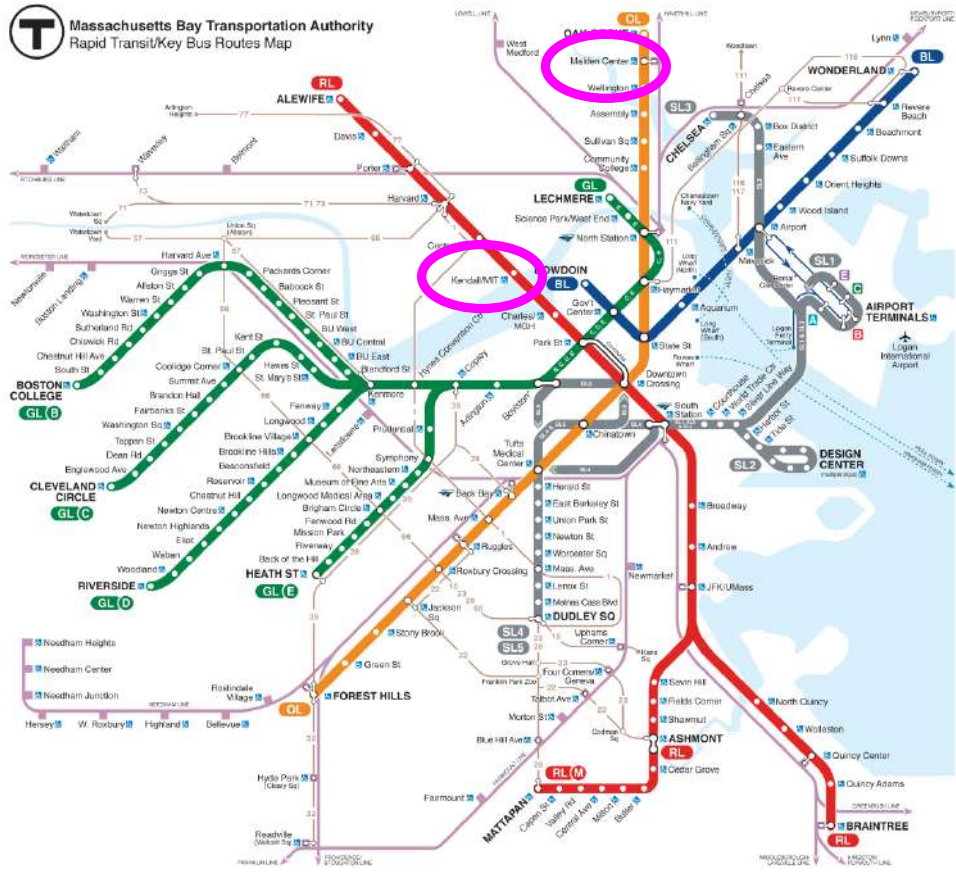
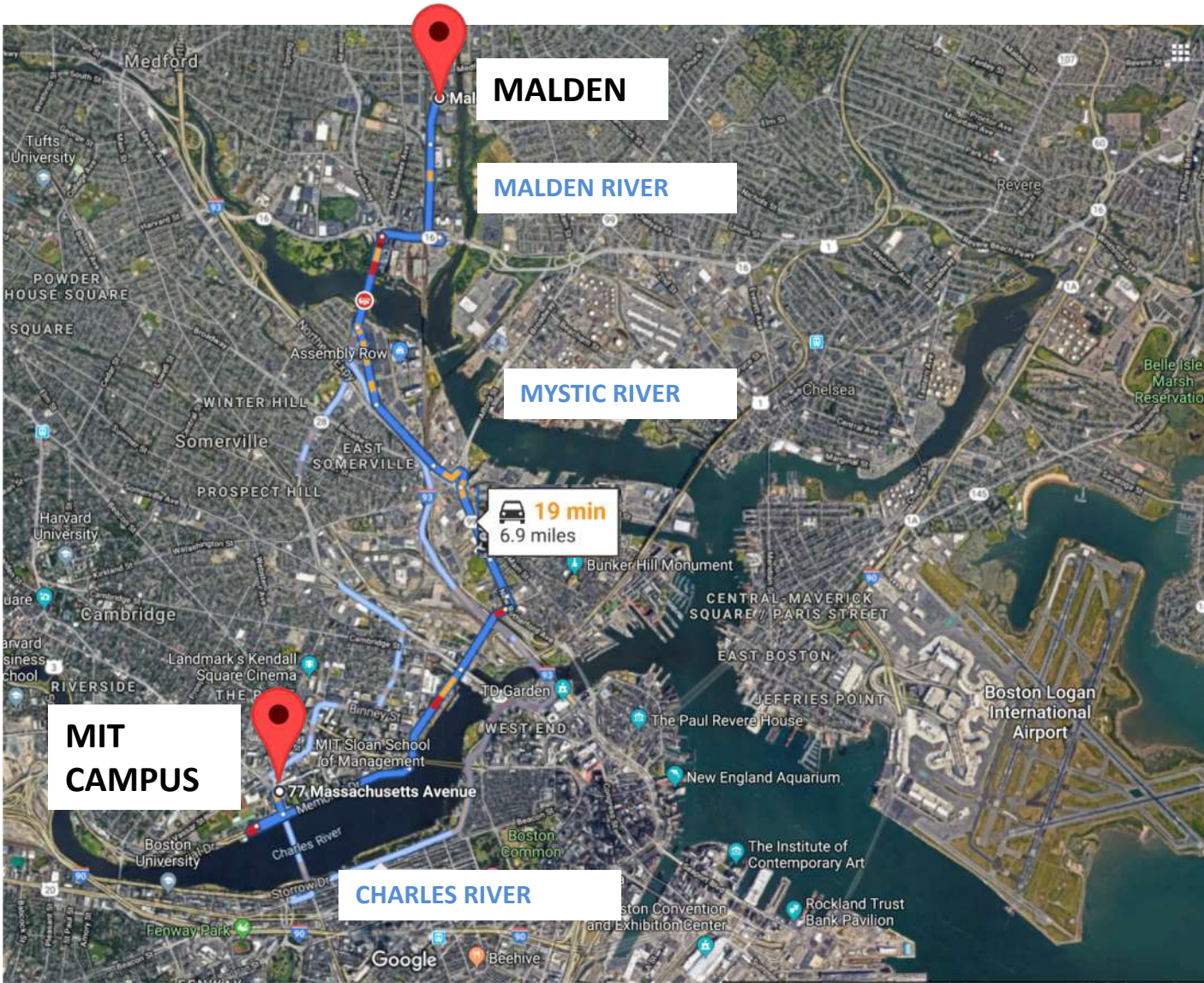
**7 MAYOR  
EX OFFICIO**



**GARY  
CHRISTENSON**



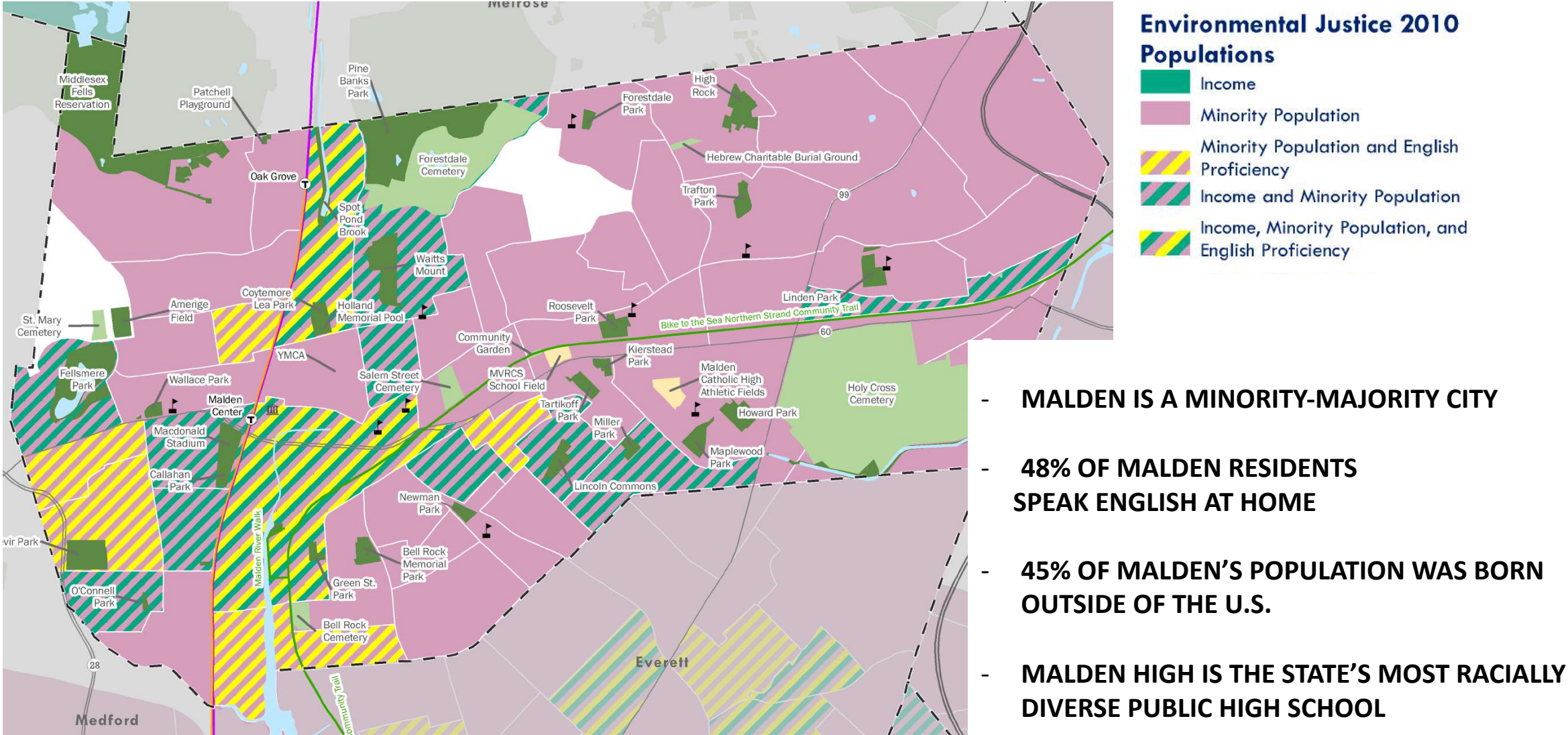
MALDEN RIVER WORKS: MALDEN IS OUR NEIGHBOR!



EASY ACCESS FROM MIT:  
TAKE THE RED LINE “KENDALL MIT” TO THE ORANGE  
LINE “MALDEN CENTER”



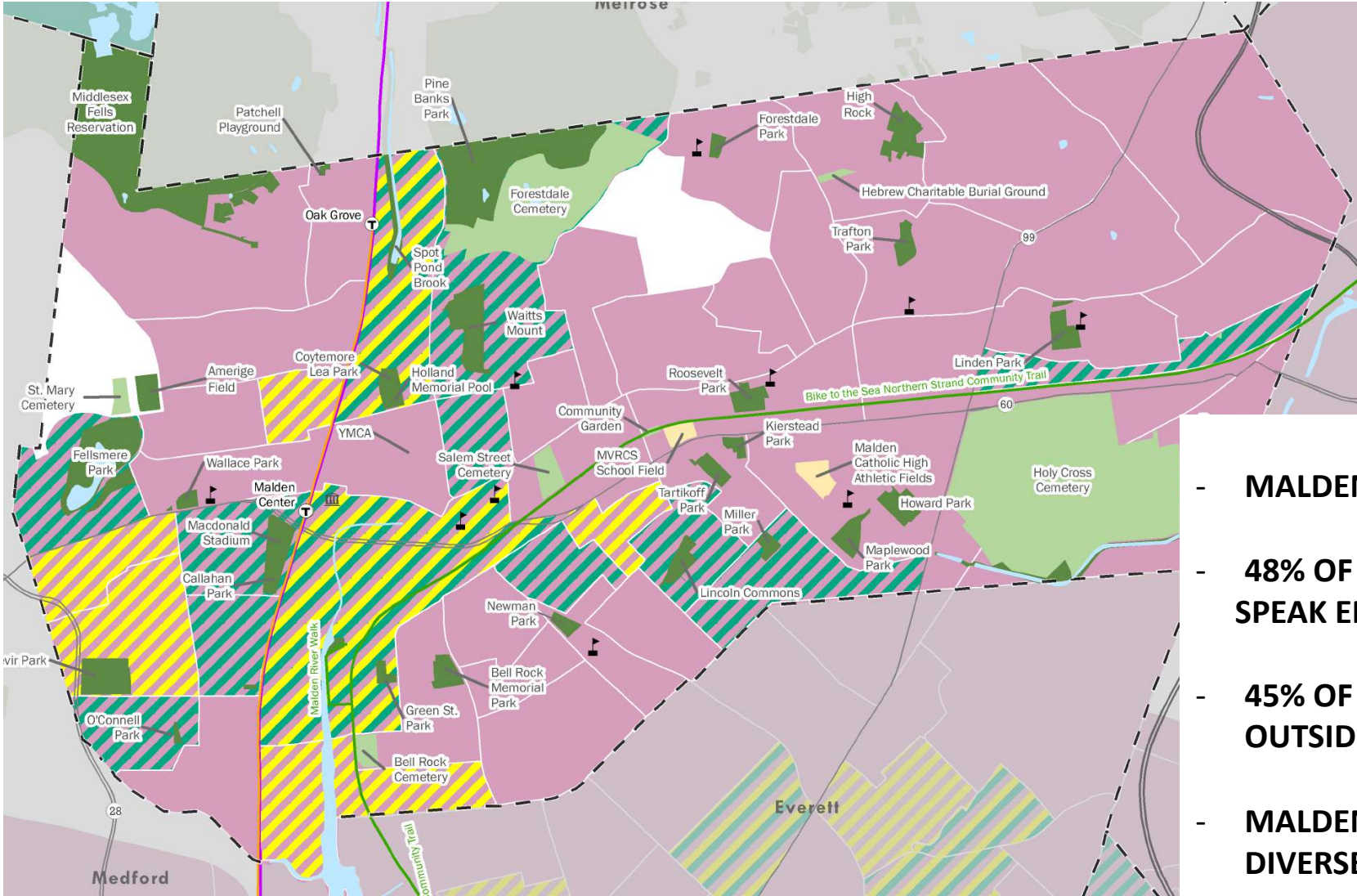
# MALDEN RIVER WORKS: WHO IS MALDEN?



FROM MALDEN OPEN SPACE AND RECREATION PLAN, 2017



# MALDEN RIVER WORKS: WHO IS MALDEN?



- MALDEN IS A MINORITY-MAJORITY CITY
- 48% OF MALDEN RESIDENTS SPEAK ENGLISH AT HOME (52% Don't !)
- 45% OF MALDEN'S POPULATION WAS BORN OUTSIDE OF THE U.S.
- MALDEN HIGH IS THE STATE'S MOST RACIALLY DIVERSE PUBLIC HIGH SCHOOL

FROM MALDEN OPEN SPACE AND RECREATION PLAN, 2017



**MALDEN NEW CITIZENS' SWEARING IN CEREMONY, 2018**  
*(Courtesy MATV Neighborhood View)*





## MALDEN RIVER WORKS: ON THE MALDEN RIVER



MALDEN RIVER INDUSTRY IN 1930s

### SAMPLE OF MALDEN RIVER INDUSTRIES:

- LEATHER AND TANNERY
- GENERAL ELECTRIC
- STEEL CASTING CO.
- UNITED STATES STEEL
- EVERETT MUNICIPAL LANDFILL
- ROAD MATERIAL MANUF.
- US NAVY YARD
- EE LOCK COAL
- METAL REFINING
- ALLIED CHEMICAL
- SOLVENT CHEMICAL
- HOPWOOD RETINNING

MALDEN RIVER WORKS: ON THE MALDEN RIVER



2016

MALDEN HAS A RIVER ?  
WHERE IS THE RIVER ?



**Open Space and Recreation Plan**  
Malden, Massachusetts  
**2017**



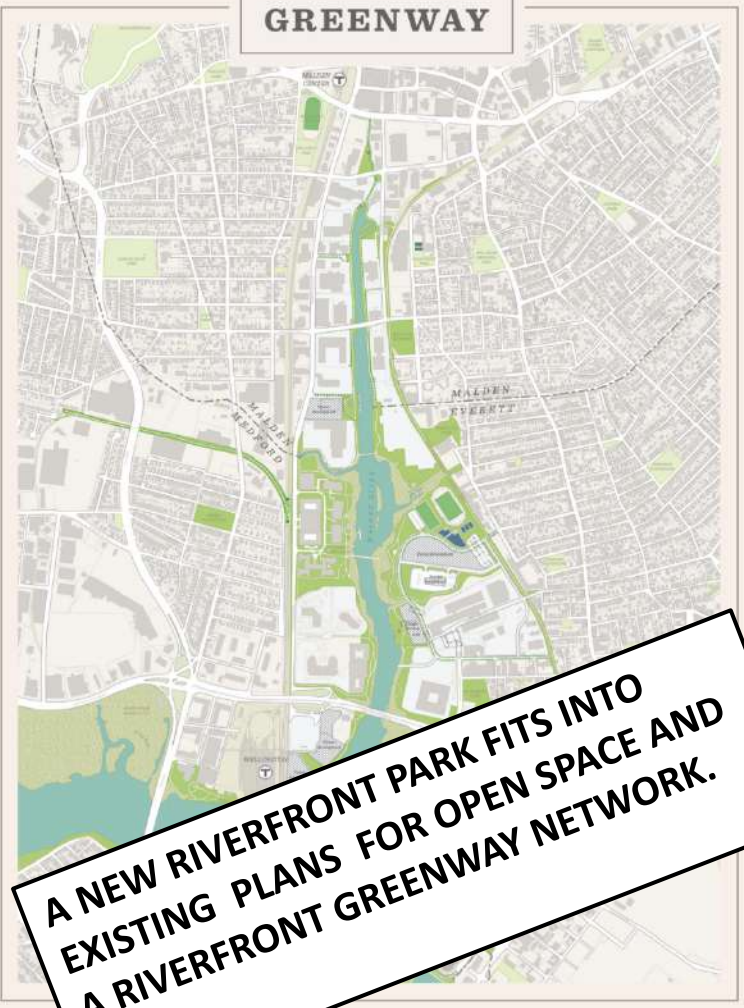
**“DEVELOP THE MALDEN RIVER AS A  
NEW OPEN SPACE” IS LISTED FIRST AS A  
‘CRITICAL NEED’ 2017**

Presented by:  
Melissa Cryan  
Commonwealth  
Executive Office  
Division of Conservation  
100 Cambridge Street  
Boston, MA 02114

Prepared by:  
Malden Open Space Steering Committee  
with assistance from the Metropolitan Area Planning Council  
photos courtesy of City of Malden



**MALDEN RIVER  
GREENWAY**



**A NEW RIVERFRONT PARK FITS INTO  
EXISTING PLANS FOR OPEN SPACE AND  
A RIVERFRONT GREENWAY NETWORK.  
2018**

MALDEN OPEN SPACE AND RECREATION PLAN, 2017  
MALDEN RIVER GREENWAY PLAN, 2018 (MYSTIC RIVER WATERSHED ASSOCIATION)



**MALDEN RIVER WORKS: ON THE MALDEN RIVER**



FoMR MEMBERS MEETING WITH STATE REPS 2015 AND 2016



EXISTING BOAT SITES:  
**1**=DPW **2**=TUFTS UNIVERSITY

**FoMR MET SEVERAL TIMES WITH STATE REPS IN 2015 AND 2016 LOOKING TO GAIN FUNDING FOR THE MALDEN HUMAN HEALTH RISK STUDY**

**THE STUDY WAS FUNDED IN 2017-18 BY A COLLABORATION:**

- **MIT CENTER FOR ENVIRONMENTAL HEALTH SCIENCES**
- **MYSTIC RIVER WATERSHED ASSOCIATION**
- **GRADIENT CORP**

## MALDEN RIVER WORKS: ON THE MALDEN RIVER



**“THIS REPORT REPRESENTS A  
BREAKTHROUGH FOR THE  
RECREATIONAL USE OF THE  
RIVER,”**

- KATHY VANDIVER OF MIT  
CEHS AND FRIENDS OF THE  
MALDEN RIVER

KATHY VANDIVER PRESENTING THE HUMAN HEALTH RISK STUDY TO MALDEN CITY COUNCIL



# Malden River Human Health Risk Study for Boating

Presentation by Kathy Vandiver

Malden City Council Meeting on April 23, 2019



*Spoiler alert:*

*The news is favorable for boating!*

## *Favorable for Boating? How can it be true?*

- 1) **There are so many contaminants present in the sediments from years of heavy industrial waste!**
  - To name just a few: rubber factories; steel factories; chemical plants; leather tanning....



## **Favorable for Boating? How can it be true?**

- 1) There are so many contaminants present in the sediments from years of heavy industrial waste!**
  - To name just a few: rubber factories; steel factories; chemical plants; leather tanning....
- 2) There have been many health warnings by officials!**
  - Precautionary warnings for public safety were entirely appropriate given that human health risk studies were incomplete.

## **Favorable for Boating? How can it be true?**

- 1) There are so many contaminants present in the sediments from years of heavy industrial waste!**
  - To name just a few: rubber factories; steel factories; chemical plants; leather tanning....
- 2) There have been many health warnings by officials!**
  - Precautionary warnings for public safety were entirely appropriate given that human health risk studies were incomplete.
- 3) This new study (2016-2018) has thoroughly identified the hazards and assessed the risks for boaters in accordance with both state and national standards.**



# Let's Review Some Health Information

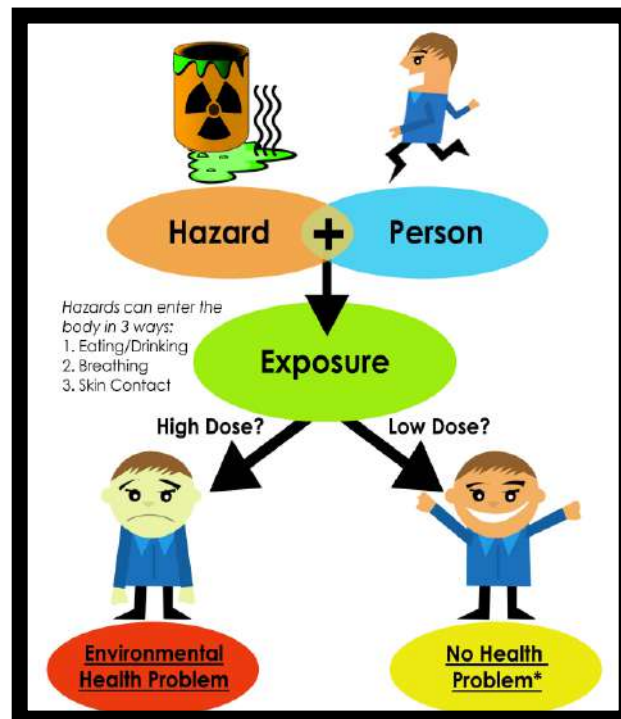


*1) Just because a harmful chemical is present, does not mean that it is harmful in the amount present.*

**The dose matters.**

*2) A person must come in contact with the harmful chemical.*

**The dose and exposure matter.**



**Dose and Exposure Factors**  
were included in the 2018 Health Risk  
Study for Boaters

# Malden River Human Health Risk Study is a “Conservative Study”

*Good news !! “Conservative” means the study ...*

- ☐ Maximized Exposures to Hazards Present
- ☐ Included Multiple Ages and Types of Boaters
  1. Occasional Boater, Child (most sensitive)
  2. Occasional Boater, Adult
  3. Frequent Adult Boater
  4. *Youth Competitor (See Example, next slide)*
  5. Collegiate Competitor
  6. Adult Employee working at Launch Site
- ☐ Applied both State and Federal Guidelines





# Example Exposure Numbers

## *Youth (High School) Competitor*

Exposure data applied in calculations:

- 8 years rowing (4 HS + 4 College)
- Rows for 134 days/year
- Boater wades into sediments -No dock!
- Sediments swallowed each day rowing
- Rower capsizes every day
- Capsizing, rower swallows more water

A Conservative Study creates a safety margin by over-estimating exposures.



# Boating's Bottom Line

## Explaining these Results:

- 1) No Boating Cancer Risk exceeded US EPA's limit of **( $10^{-4}$ )** (1 in 10,000 additional cases of cancer)
- 2) No Boating Cancer Risk exceeded MassDEP's limit of **( $10^{-5}$ )** (1 in 100,000 additional cases of cancer)
- 3) No Boating Risk for non-cancer Hazards exceeded the limit (**HI=1.0**) (Hazard Index not shown here)

Mass Dept. of Environmental Protection (MassDEP)  
U.S. Environmental Protection Agency (EPA)

US EPA's limit  
**1 in 10,000**

additional cases  
of cancer  
 **$1 \times 10^{-4}$**

Mass DEP's limit  
**1 in 100,000**

additional cases  
of cancer  
 **$1 \times 10^{-5}$**

**1 in 1,000,000**

additional cases  
of cancer  
 **$1 \times 10^{-6}$**

Greater  
Risk




Least  
Risk




Boating Cancer Risks



# Results

<b>Sites</b> 	Boater (Adult)		Boater (Child)		Frequent Boater (Adult)		Youth Competitor (Adult)		Collegiate Competitor (Adult)		Employee (Adult)	
	Cancer Risk	Non-cancer HI	Cancer Risk	Non-cancer HI	Cancer Risk	Non-cancer HI	Cancer Risk	Non-cancer HI	Cancer Risk	Non-cancer HI	Cancer Risk	Non-cancer HI
<b>BNY</b>	$3 \times 10^{-7}$	0.005	$1 \times 10^{-6}$	0.04	$5 \times 10^{-6}$	0.07	$4 \times 10^{-6}$	0.07	$1 \times 10^{-6}$	0.15	$7 \times 10^{-6}$	0.2
<b>Cabot</b>	$6 \times 10^{-7}$	0.006	$3 \times 10^{-6}$	0.06	$1 \times 10^{-5}$	0.09	$8 \times 10^{-6}$	0.09	$2 \times 10^{-6}$	0.19	$1 \times 10^{-5}$	0.2
<b>Gateway</b>	$1 \times 10^{-7}$	0.002	$5 \times 10^{-7}$	0.02	$2 \times 10^{-6}$	0.04	$2 \times 10^{-6}$	0.04	$6 \times 10^{-7}$	0.08	$4 \times 10^{-6}$	0.1
<b>GE North</b>	$5 \times 10^{-7}$	0.006	$2 \times 10^{-6}$	0.06	$7 \times 10^{-6}$	0.10	$6 \times 10^{-6}$	0.10	$2 \times 10^{-6}$	0.20	$9 \times 10^{-6}$	0.3
<b>GE South</b>	$4 \times 10^{-7}$	0.004	$2 \times 10^{-6}$	0.04	$6 \times 10^{-6}$	0.06	$5 \times 10^{-6}$	0.06	$1 \times 10^{-6}$	0.13	$7 \times 10^{-6}$	0.2
<b>MRC</b>	$5 \times 10^{-7}$	0.004	$2 \times 10^{-6}$	0.04	$8 \times 10^{-6}$	0.07	$6 \times 10^{-6}$	0.07	$1 \times 10^{-6}$	0.14	$8 \times 10^{-6}$	0.2
<b>National Grid</b>	$5 \times 10^{-7}$	0.005	$2 \times 10^{-6}$	0.04	$7 \times 10^{-6}$	0.07	$6 \times 10^{-6}$	0.07	$1 \times 10^{-6}$	0.15	$8 \times 10^{-6}$	0.2
<b>Norman</b>	$6 \times 10^{-7}$	0.008	$3 \times 10^{-6}$	0.07	$9 \times 10^{-6}$	0.1	$7 \times 10^{-6}$	0.1	$2 \times 10^{-6}$	0.3	$1 \times 10^{-5}$	0.3
<b>RE Dock</b>	$7 \times 10^{-7}$	0.005	$3 \times 10^{-6}$	0.05	$1 \times 10^{-5}$	0.08	$8 \times 10^{-6}$	0.08	$2 \times 10^{-6}$	0.17	$1 \times 10^{-5}$	0.2

# Results

<div>Sites</div> 	Boater (Adult)		Boater (Child)		Frequent Boater (Adult)		Youth Competitor (Adult)		Collegiate Competitor (Adult)		Employee (Adult)	
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 =No cancer risks exceed Mass DEP's target risk limit ( $10^{-5}$ ) or the upper bound of US EPA's target risk range ( $10^{-4}$ ).

 =No hazard indices exceed US EPA and Mass DEP's target HI of 1.



# Other Malden River Health Risks?

## Microbial Contaminations /Typical in Urban Waters

Be Safe! Check this out...




“Mystic Daily Boating Advisory” can be found on the MyRWA Website listed below.

Bacterial levels in the rivers can rise after heavy rainfall events.

**MYSTIC DAILY BOATING ADVISORY**

HOW SAFE IS IT TO BOAT TODAY?

These estimates of water quality conditions are generated by an automated bacteria prediction model and by additional cyanobacteria testing during boating season. For more on what the estimates mean and how they are arrived at, see the questions below.

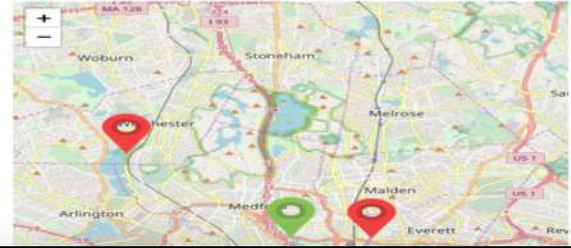
Mystic River MYSTIC VALLEY PARKWAY (RT 16)	Malden River REVERE BEACH PARKWAY (RT 16)	Upper Mystic Lake SHANNON BEACH
		
<b>Status: Good</b> Low probability of elevated bacteria levels.	<b>Status: Advisory</b> High probability of elevated bacteria levels.	<b>Status: Advisory</b> High probability of elevated bacteria levels.

**What do the categories mean?**

**GOOD**  
Boating is probably safe! The chances that *E. coli* bacteria levels exceed state recreational standards are low, and there is no evidence of a cyanobacteria bloom.

**ADVISORY**  
The chances that *E. coli* bacteria levels exceed state recreational standards are high, or there is evidence of a cyanobacteria bloom with concentrations exceeding state safety guidelines.

**UNCERTAIN**  
There is no evidence of elevated bacteria levels, but screening values



<https://mysticriver.org/boatingadvisory/>

# Some Take-Aways....

- ❖ The sediments do not pose a health risk that should prevent people from boating on the Malden River.





# Some Take-Aways....

- ❖ The sediments do not pose a health risk that should prevent people from boating on the Malden River.
- ❖ Check MyRWA's online "Mystic Daily Boating Advisory" for health info on microbial levels after heavy rainfall.



# Some Take-Aways....

- ❖ The sediments do not pose a health risk that should prevent people from boating on the Malden River.
- ❖ Check MyRWA's online "Mystic Daily Boating Advisory" for health info on microbial levels after heavy rainfall.
- ❖ *Lastly, Mom told us to wash our hands before eating ... and this is still timeless good advice!*



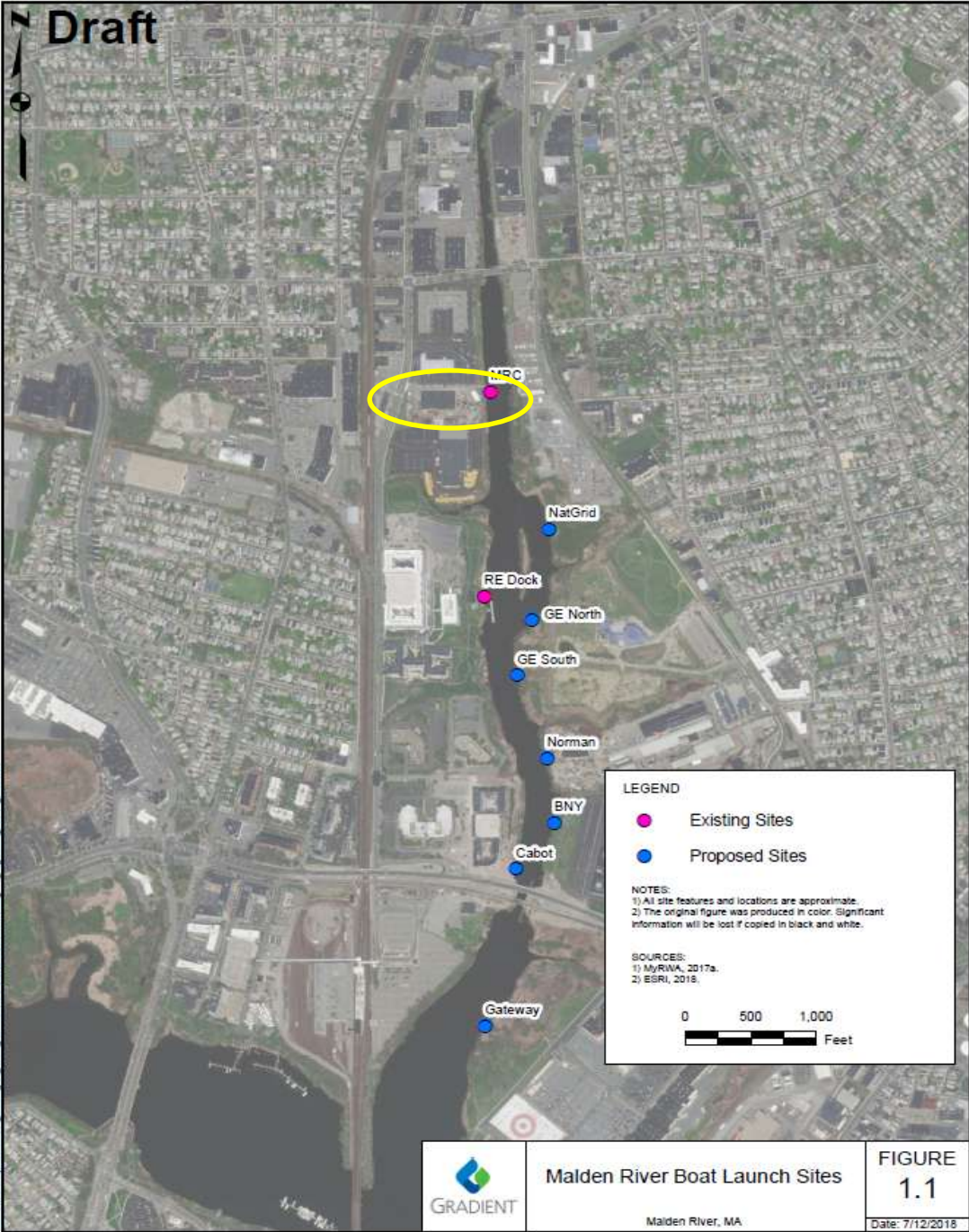


# Thanks to all Study Partners

## **Study Partners - Alphabetic list**

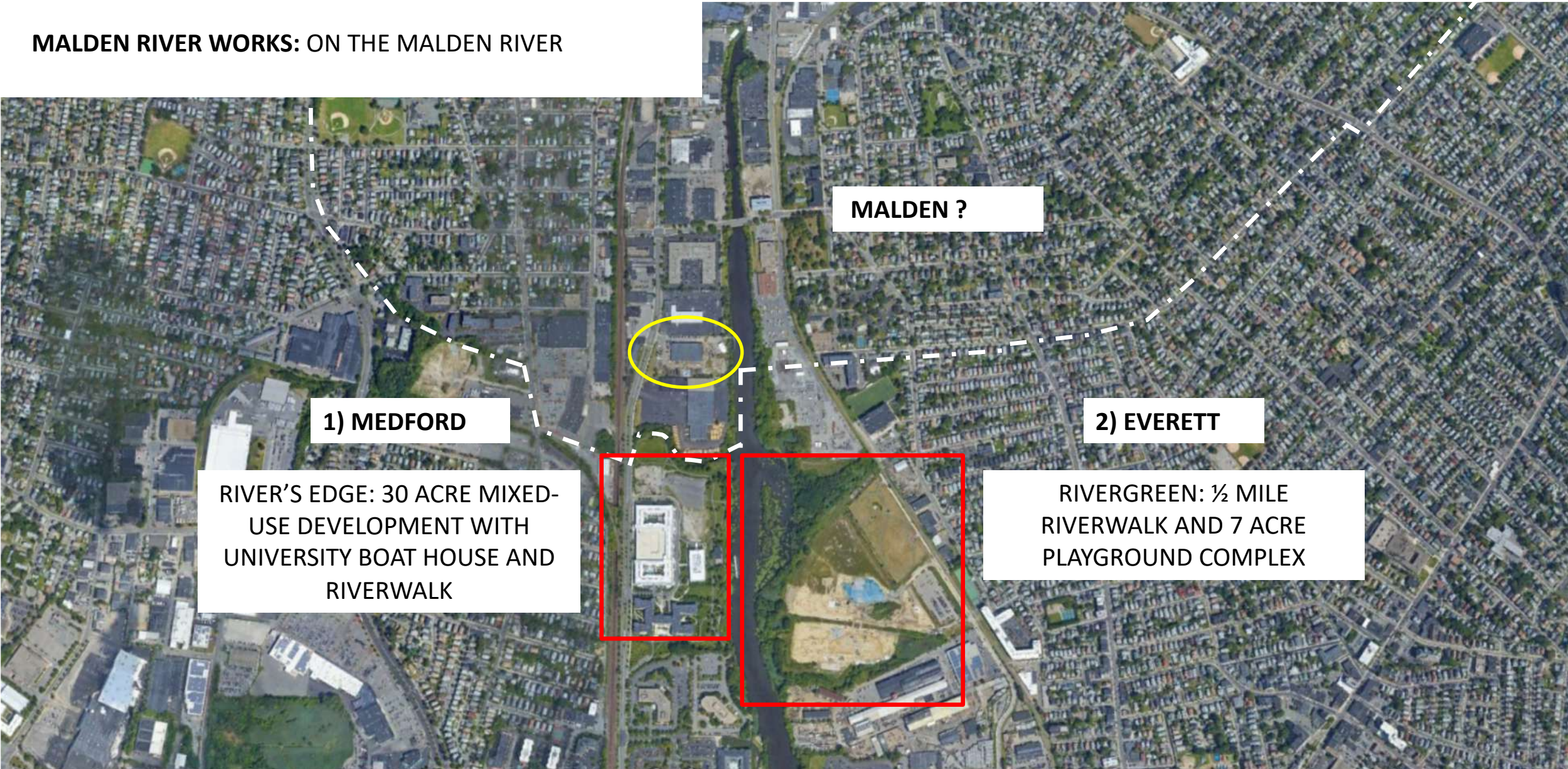
**Friends of the Malden River (FoMR)**  
**Gradient Corp, Cambridge, MA**  
**MIT Center for Environmental Health Sciences (CEHS)**  
**Mystic River Watershed Association (MyRWA)**  
**Mystic Valley Development Corp (MDVC):**  
    **Cities of Everett, Malden and Medford**  
**Preotle Lane & Associates**

Map of Study Sites included the  
Malden Dept of Public Works Site





**MALDEN RIVER WORKS: ON THE MALDEN RIVER**



NEIGHBORING CITIES LIKE MEDFORD AND EVERETT (WHO HAS CASINO FUNDING AVAILABLE) ARE CREATING BEAUTIFUL RIVER PARKS! AND CREATING GREEN ENVY....



## MALDEN RIVER WORKS: THE PLAN

1- OPTIMIZE DEPARTMENT OF PUBLIC WORKS OPERATIONS

2- CREATE PUBLIC ACCESS + OPEN SPACE + GREENWAY PATH ....





## MALDEN RIVER WORKS: DPW TOUR



INITIAL MEETING AND SITE TOUR WITH DPW DIRECTOR ROBERT KNOX



## MALDEN RIVER WORKS: RESILIENCY: EMERGENCY PREPAREDNESS + RECOVERY, FLOOD RESILIENCE, SOCIAL RESILIENCE



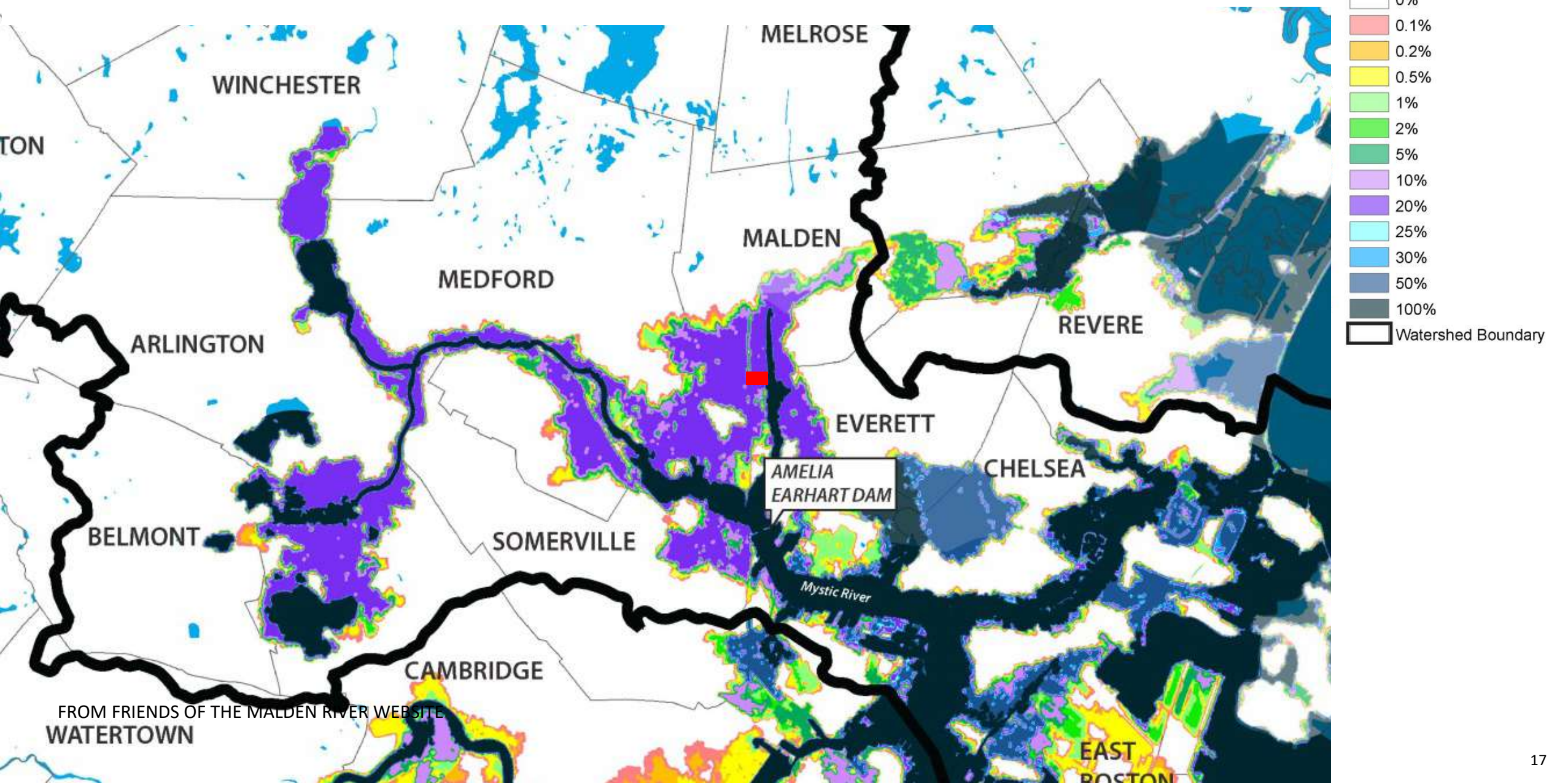
DPW SECOND RESPONDER FUNCTION: RESTORE UTILITY SERVICES, REMOVE DEBRIS, REPAIR INFRASTRUCTURE



# MALDEN RIVER WORKS: PROBABILITY OF COASTAL FLOODING 2070

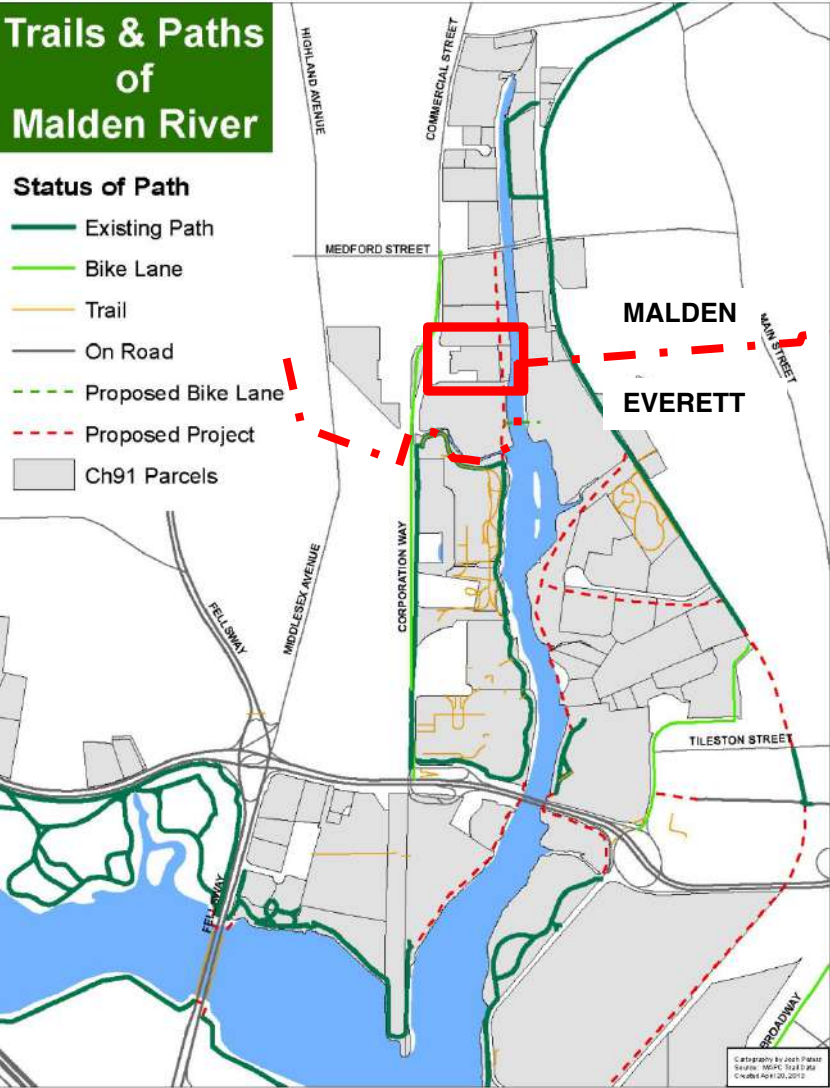
Planning for Equitable Resilience

EXEMPLAR PROPERTY –DPW SITE NEEDS TO BE OPERATIONAL AS A FIRST RESPONDER

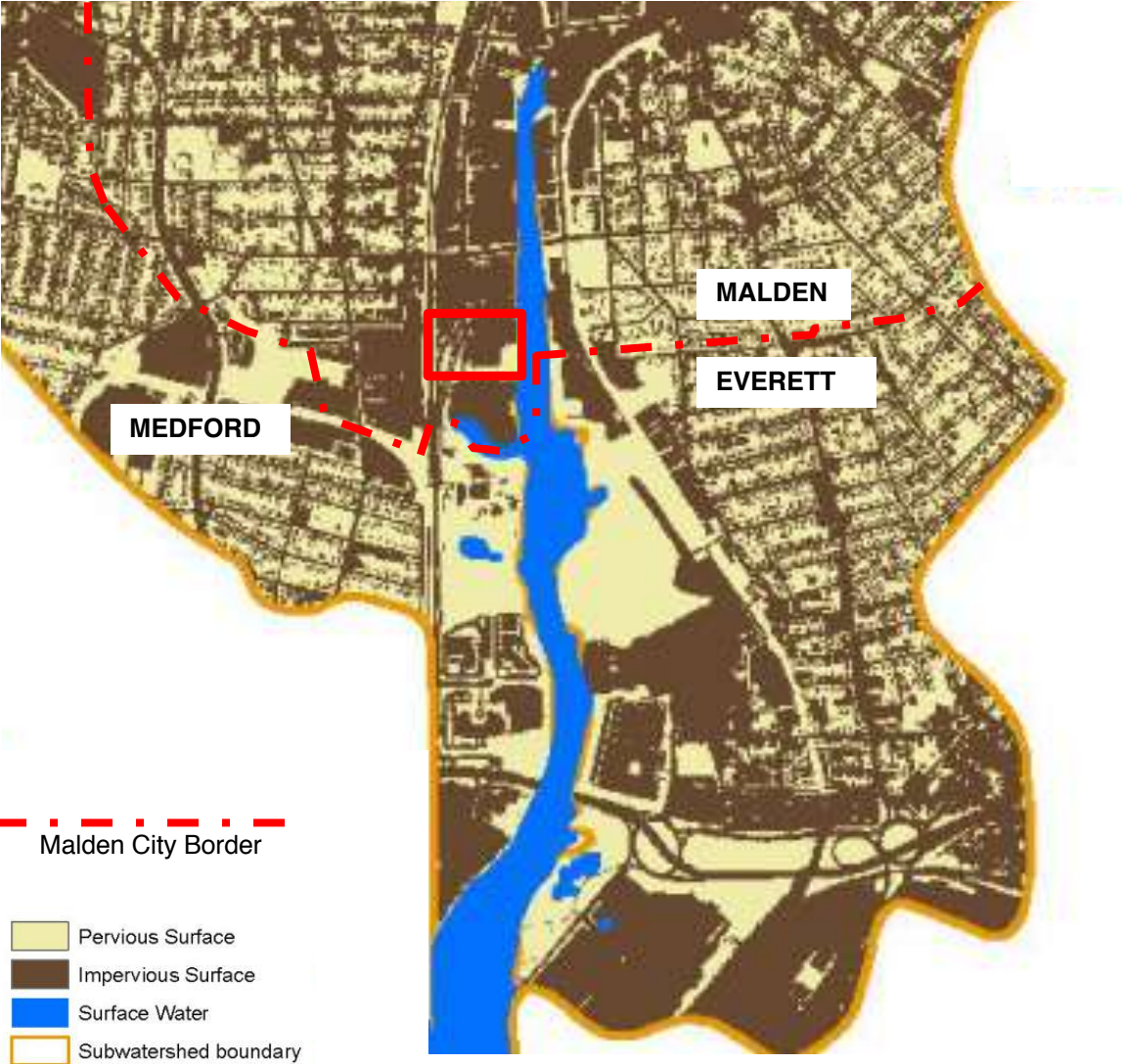




MALDEN RIVER WORKS: MALDEN RIVER ACCESS + IMPERVIOUS SURFACES



FROM FRIENDS OF THE MALDEN RIVER WEBSITE



DEPARTMENT OF PUBLIC WORKS (DPW)  
– PROJECT SITE



**MALDEN RIVER WORKS: TEAM LEADERSHIP EXPERIENCE – MARIE LAW ADAMS ( LANDING STUDIO)**



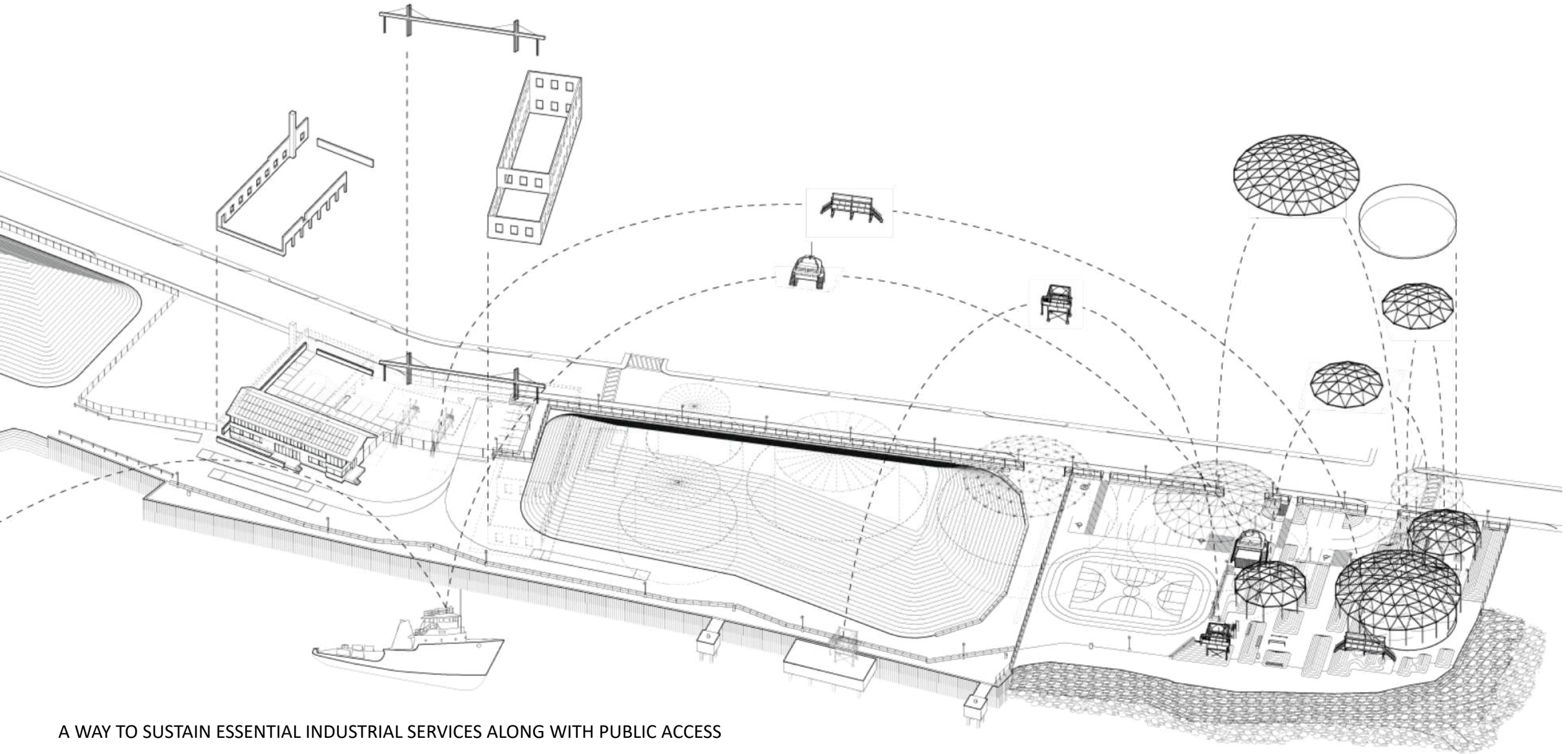


## MALDEN RIVER WORKS: ROCK CHAPEL MARINE, CHELSEA MA

- CONVERSION OF A 13 MILLION GALLON ASPHALT BATCHING TERMINAL TO A SEASONALLY SHARED-USE ROAD SALT DOCK AND WATERFRONT PARK
- FIRST OPEN PARK SPACE ON CHELSEA'S INDUSTRIAL WATERFRONT
  - AMERICAN PLANNING ASSOCIATION NATIONAL GOLD MEDAL 2018
  - AIA NATIONAL HONOR AWARD FOR REGIONAL + URBAN DESIGN 2017
  - WATERFRONT CENTER HONOR AWARD 2015
  - PROGRESSIVE ARCHITECTURE AWARD 2013



## MALDEN WORKS: RECYCLING ELEMENTS FROM THE ASPHALT TERMINAL FOR RECREATION



A WAY TO SUSTAIN ESSENTIAL INDUSTRIAL SERVICES ALONG WITH PUBLIC ACCESS



REMOVING THE TANK'S DOME ROOF



REMOVING THE TANK'S DOME ROOF



BALANCE INDUSTRIAL USES AND OPEN SPACE TO RESIST WATERFRONT GENTRIFICATION

REPURPOSED AS VINE & LIGHTING TRELLIS W/ PLAY DOMES BELOW



FORMER FOAM FIRE EXTINGUISHING CANNONS RE-PURPOSED AS CHILDREN'S WATER FEATURE







**WINTER USE –  
ROAD SALT TERMINAL**



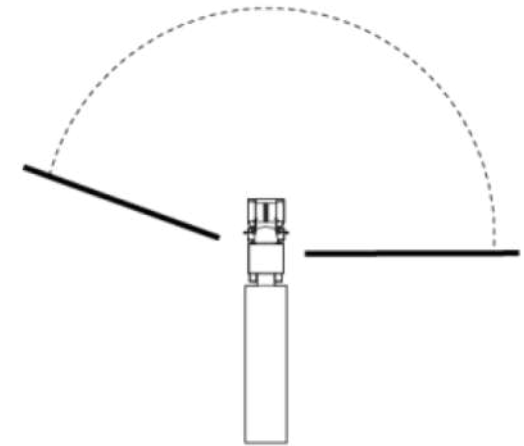
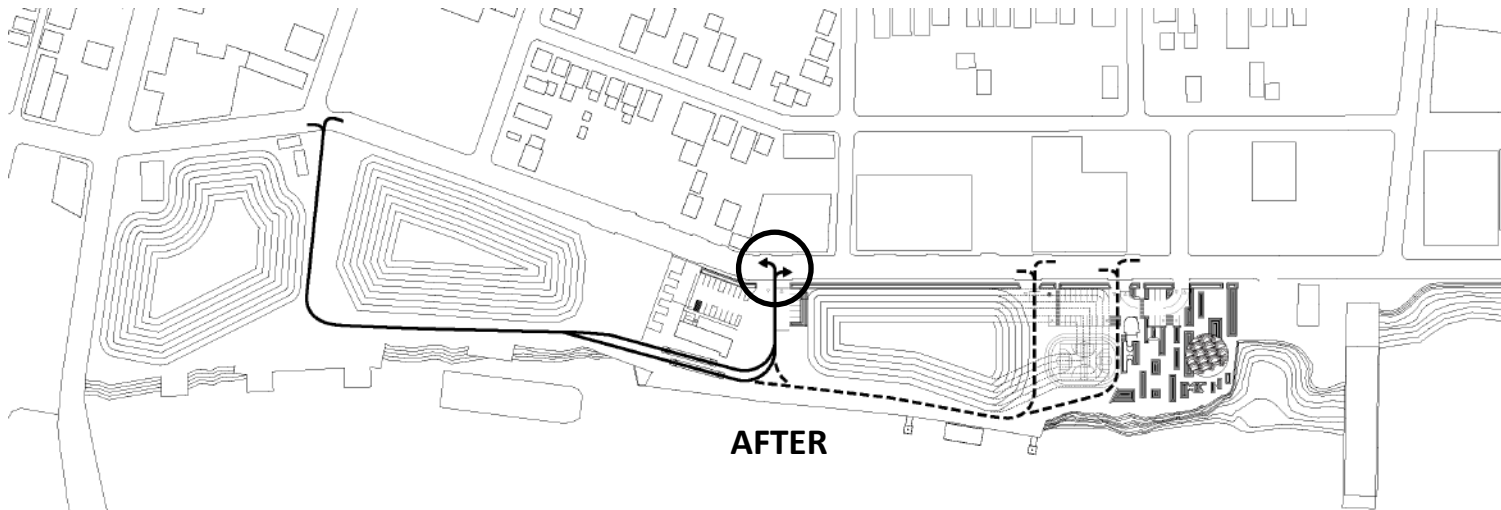
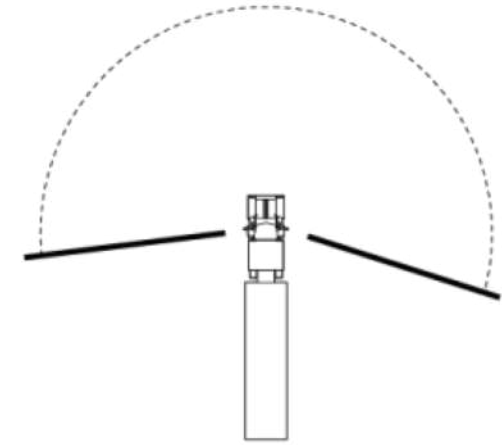
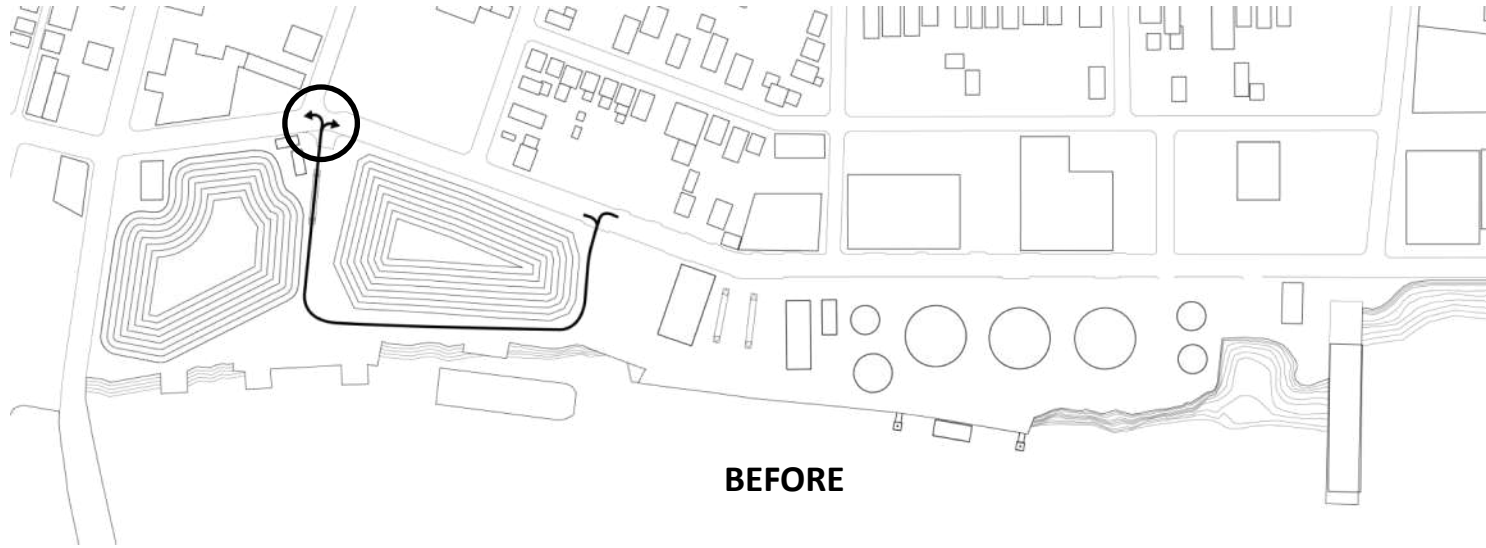
**SUMMER USE –  
WATERFRONT PARK**







## MALDEN RIVER WORKS: RE-DESIGNING INDUSTRIAL OPERATIONS – TRUCK CHOREOGRAPHY



ABOVE: MORE EFFICIENT TRUCK QUEUING REDUCES TRUCK MINUTES SPENT IN CHELSEA

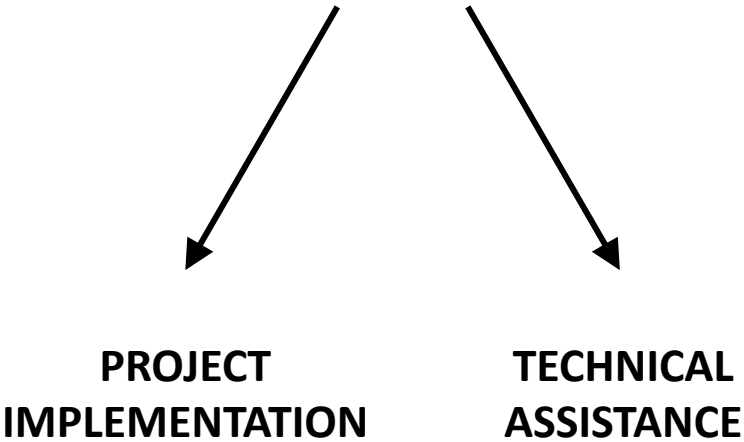
RIGHT: IMPROVED VIEW CORRIDORS FOR TRUCK EXITS REDUCES RISK OF CRASHES WITH WALKERS AND CYCLISTS

# MALDEN RIVER WORKS STEERING COMMITTEE

(MRW-SC)



# LEVENTHAL CITIES PRIZE TEAM



THIS PROCESS WILL SERVE AS A TEMPLATE FOR FUTURE WORK ON SOCIAL EQUITY AND RESILIENCE THAT GOES BEYOND THE LIFE OF THIS PRIZE CYCLE



# MALDEN RIVER WORKS STEERING COMMITTEE

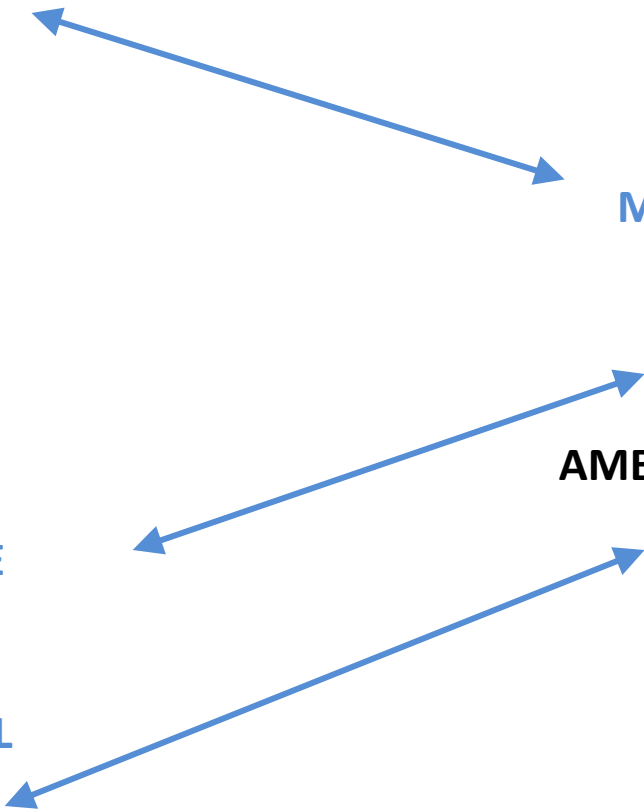
(MRW-SC)

- RESIDENT LEADER CHAIR
- RESIDENT LEADER
- RESIDENT LEADER
- RESIDENT LEADER
- RESIDENT LEADER
- RESIDENT LEADER

- RESIDENT ENVIRONMENTAL ADVOCATE
- DEPT OF PUBLIC WORKS REP
- CITY GOVERNMENT REP – CITY COUNCIL
- CITY GOVERNMENT REP – MRA

# LEVENTHAL CITIES PRIZE TEAM

- KATHY VANDIVER (MIT)
- MARCIA MANONG (MRW-SC)
- MARIE LAW ADAMS (MIT)
- KAREN BUCK (FoMR)
- AMBER CHRISTOFFERSEN (MyRWA)
- EVAN SPETRINI (MRA)



# MALDEN RIVER WORKS STEERING COMMITTEE

(MRW-SC)

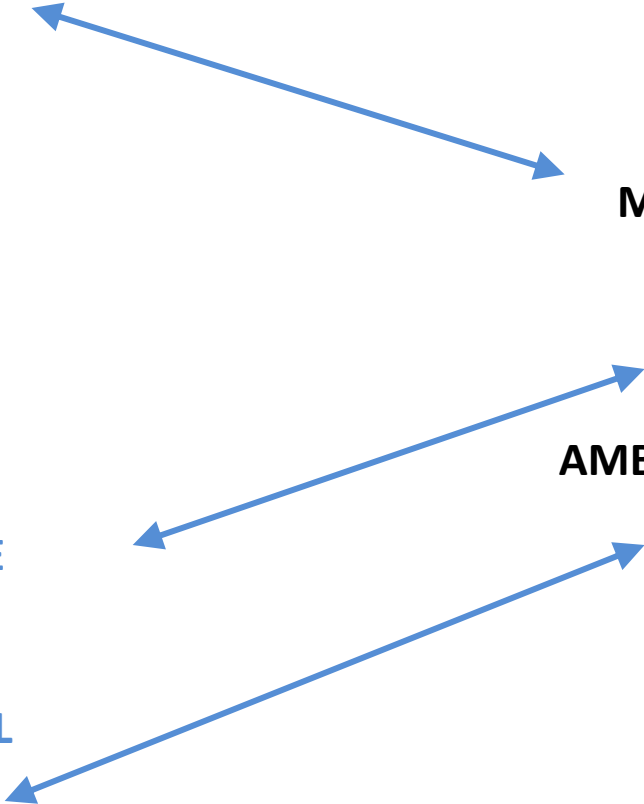
WE ARE WORKING TO  
BUILD A TEAM OF  
PoC + IMMIGRANT  
RESIDENT LEADERS TO  
REPRESENT MALDEN'S  
DIVERSE POPULATION

- RESIDENT LEADER CHAIR
- RESIDENT LEADER
- RESIDENT LEADER
- RESIDENT LEADER
- RESIDENT LEADER
- RESIDENT LEADER

- RESIDENT ENVIRONMENTAL ADVOCATE
- DEPT OF PUBLIC WORKS REP
- CITY GOVERNMENT REP – CITY COUNCIL
- CITY GOVERNMENT REP – MRA

# LEVENTHAL CITIES PRIZE TEAM

- KATHY VANDIVER (MIT)
- MARCIA MANONG (MRW-SC)
- MARIE LAW ADAMS (MIT)
- KAREN BUCK (FoMR)
- AMBER CHRISTOFFERSEN (MyRWA)
- EVAN SPETRINI (MRA)



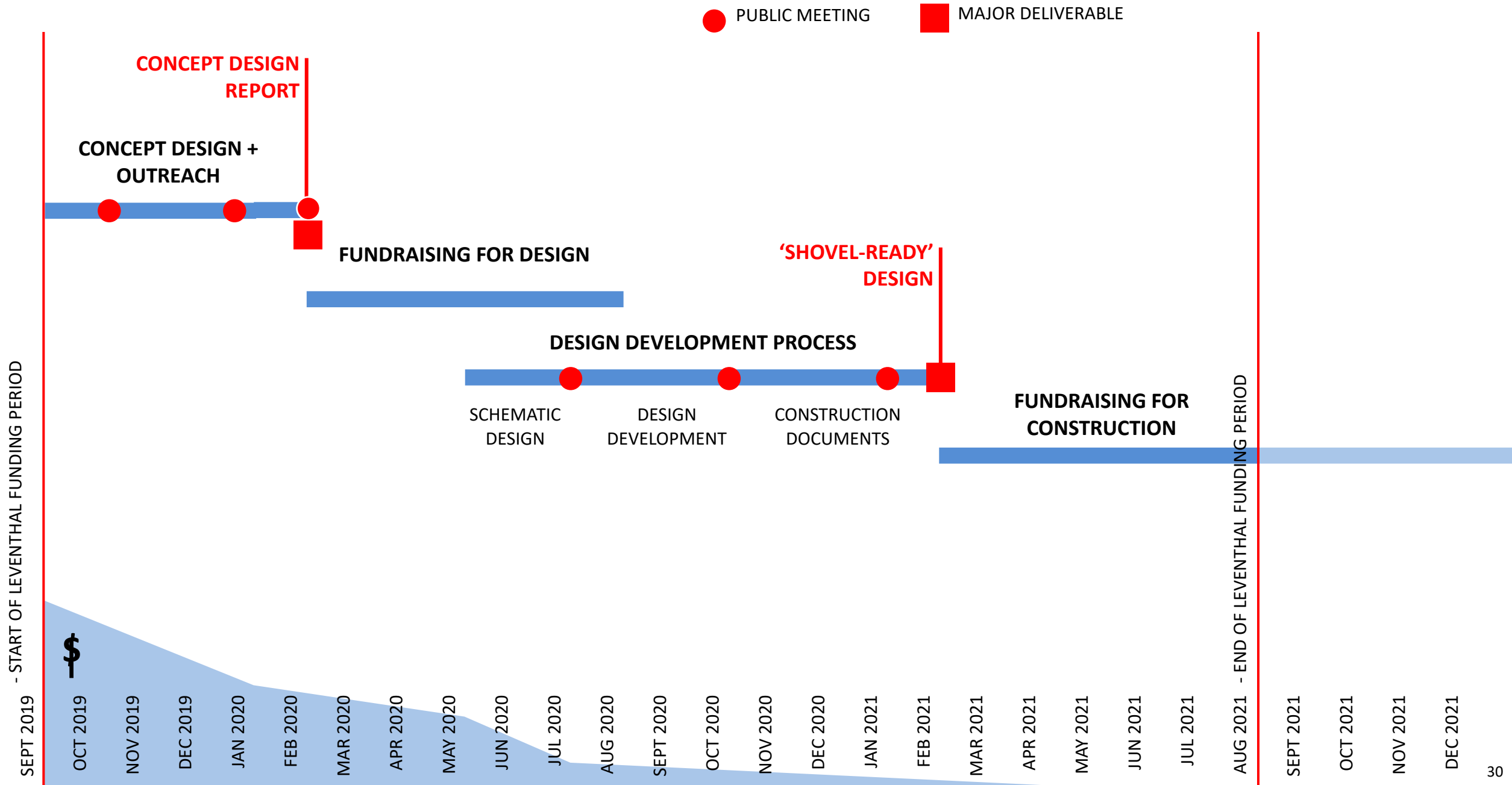


# FIRST JOINT MEETING OF THE STEERING COMMITTEE AND THE PRIZE TEAM OCT 14, 2019



Photo credit Khalil Kaba

HOW MALDEN RIVER WORKS: BUDGET AND SCHEDULE



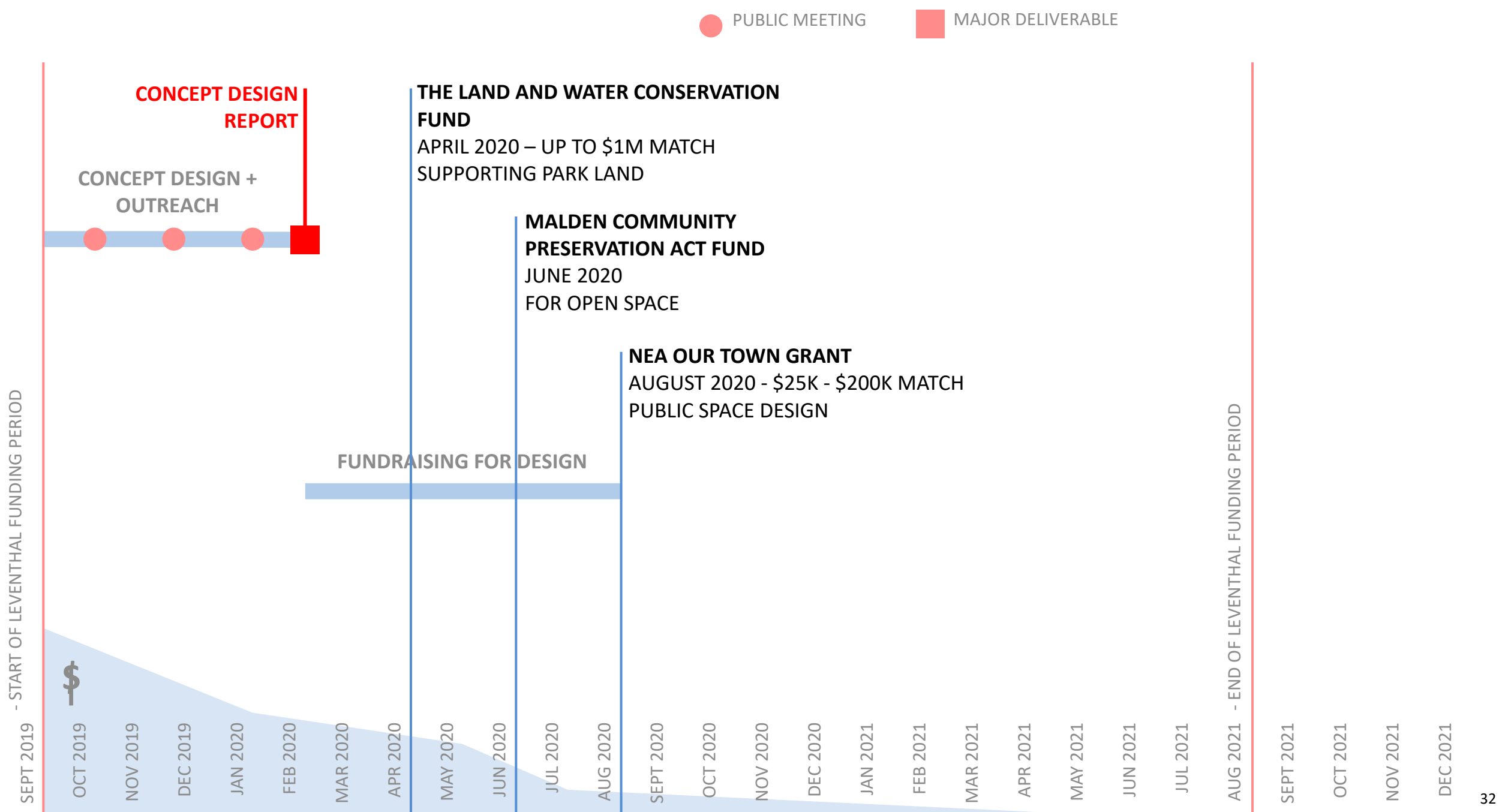


## HOW MALDEN RIVER WORKS: KICK OFF EVENTS— FIRST PUBLIC MEETING OCT 21, 2019



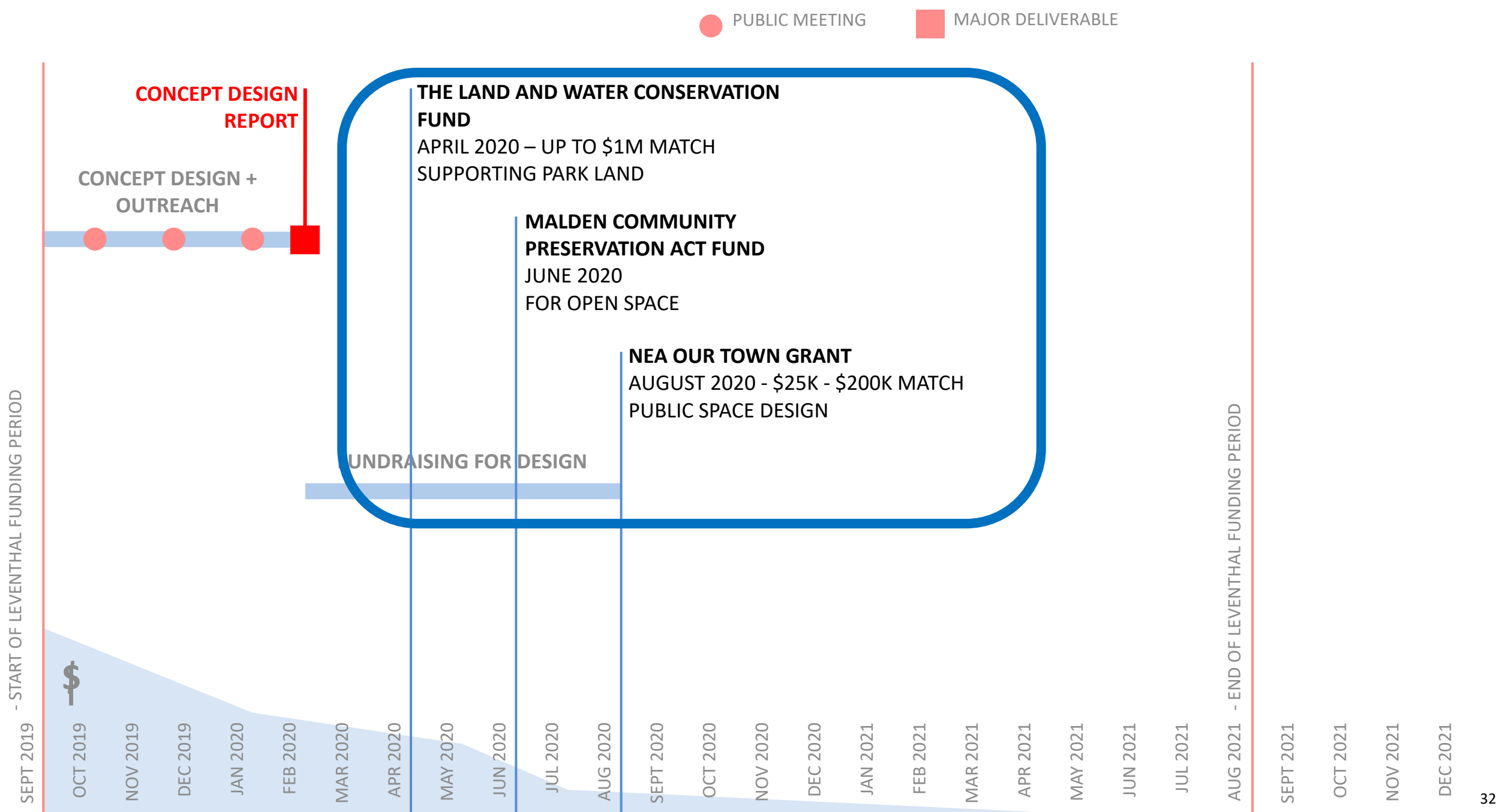
Photos by Khalil Kaba

# HOW MALDEN RIVER WORKS: LEVERAGING FUNDING-

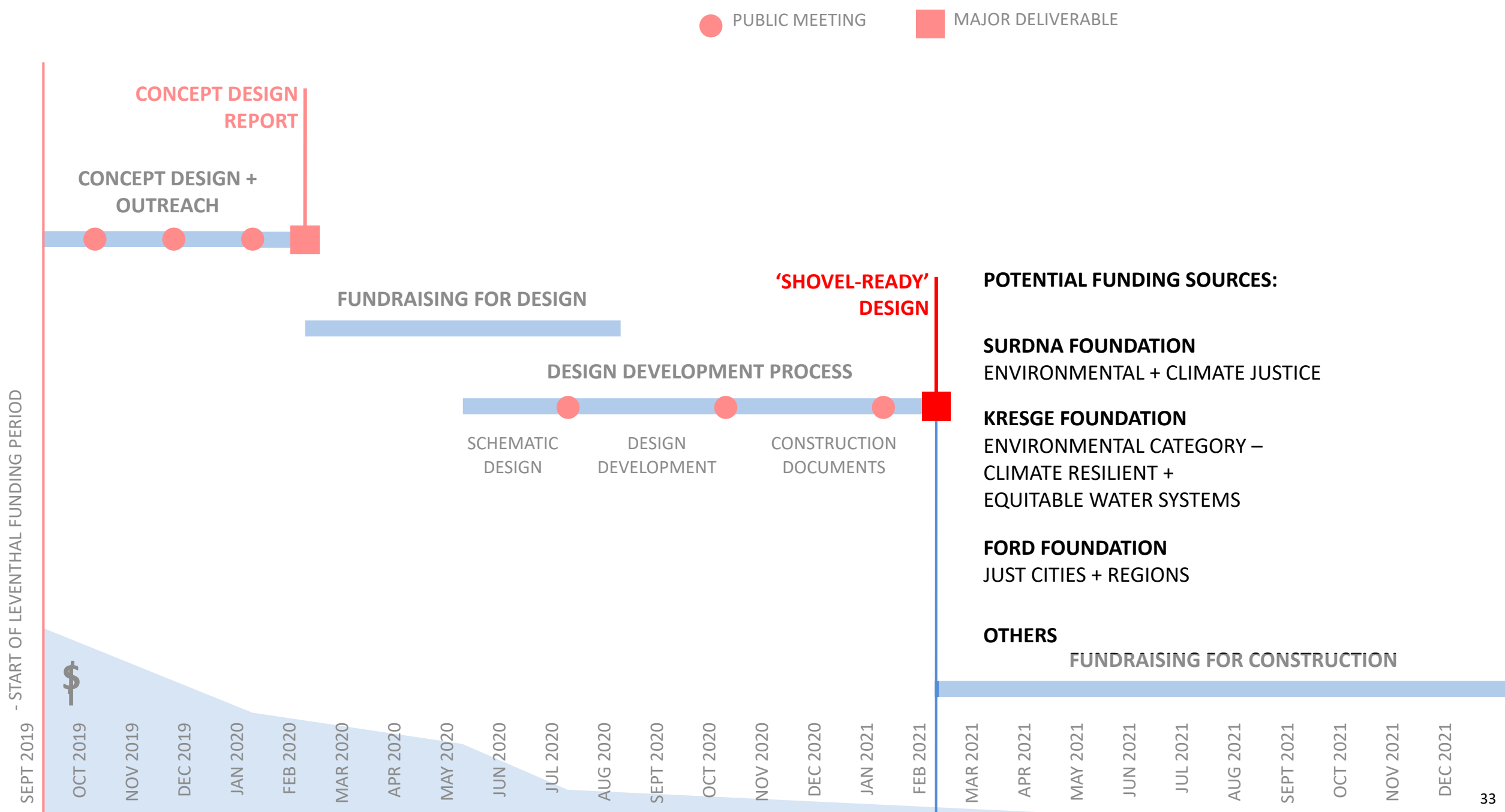




HOW MALDEN RIVER WORKS: LEVERAGING FUNDING- FUND RAISING FOR DESIGN

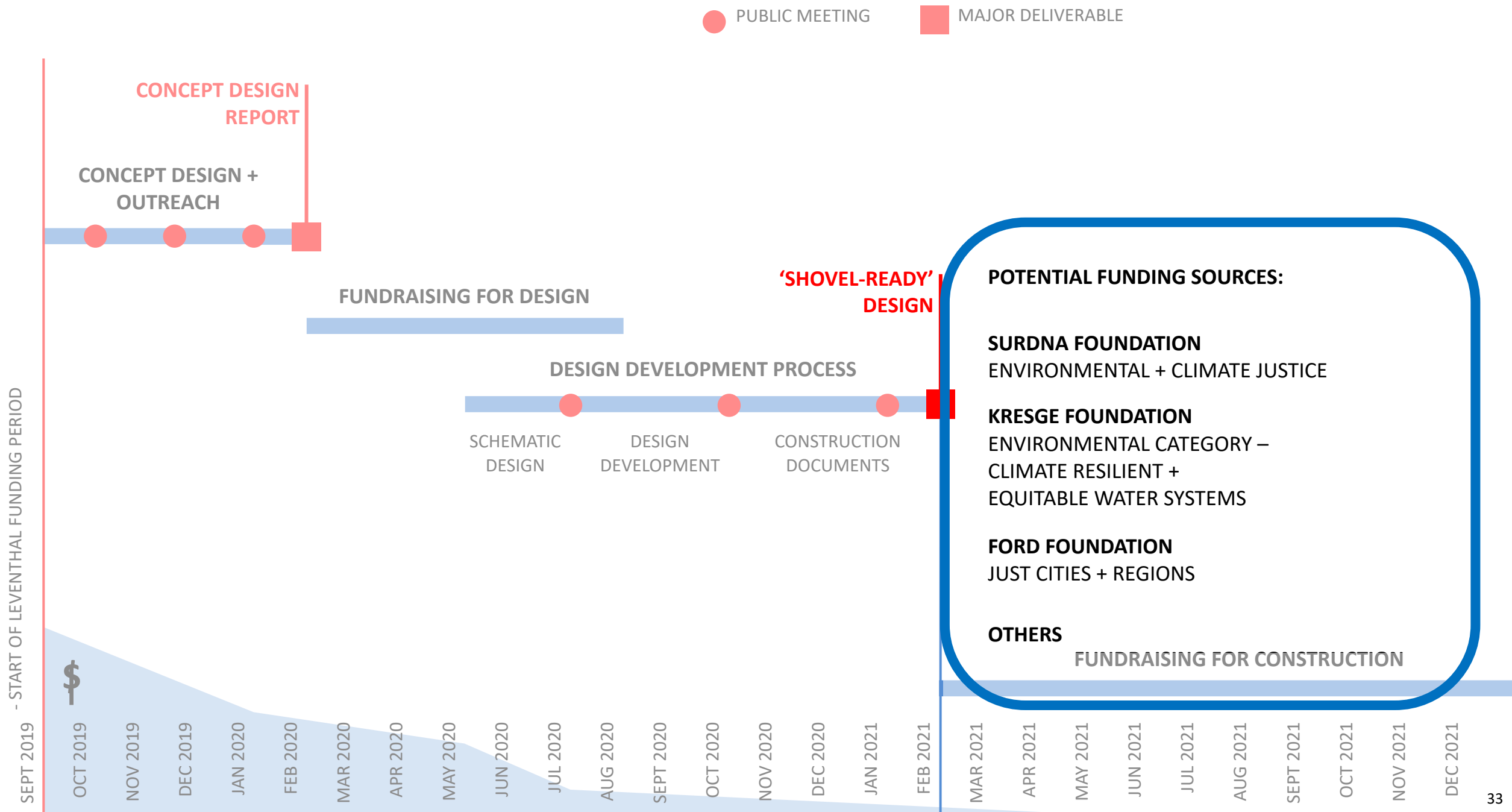


# HOW MALDEN RIVER WORKS: LEVERAGING FUNDING





HOW MALDEN RIVER WORKS: LEVERAGING FUNDING- FUND RAISING FOR CONSTRUCTION



# MALDEN RIVER WORKS

## FOR WATERFRONT EQUITY + RESILIENCE



### Summary of Public Meeting 1

OCTOBER 21. 2019

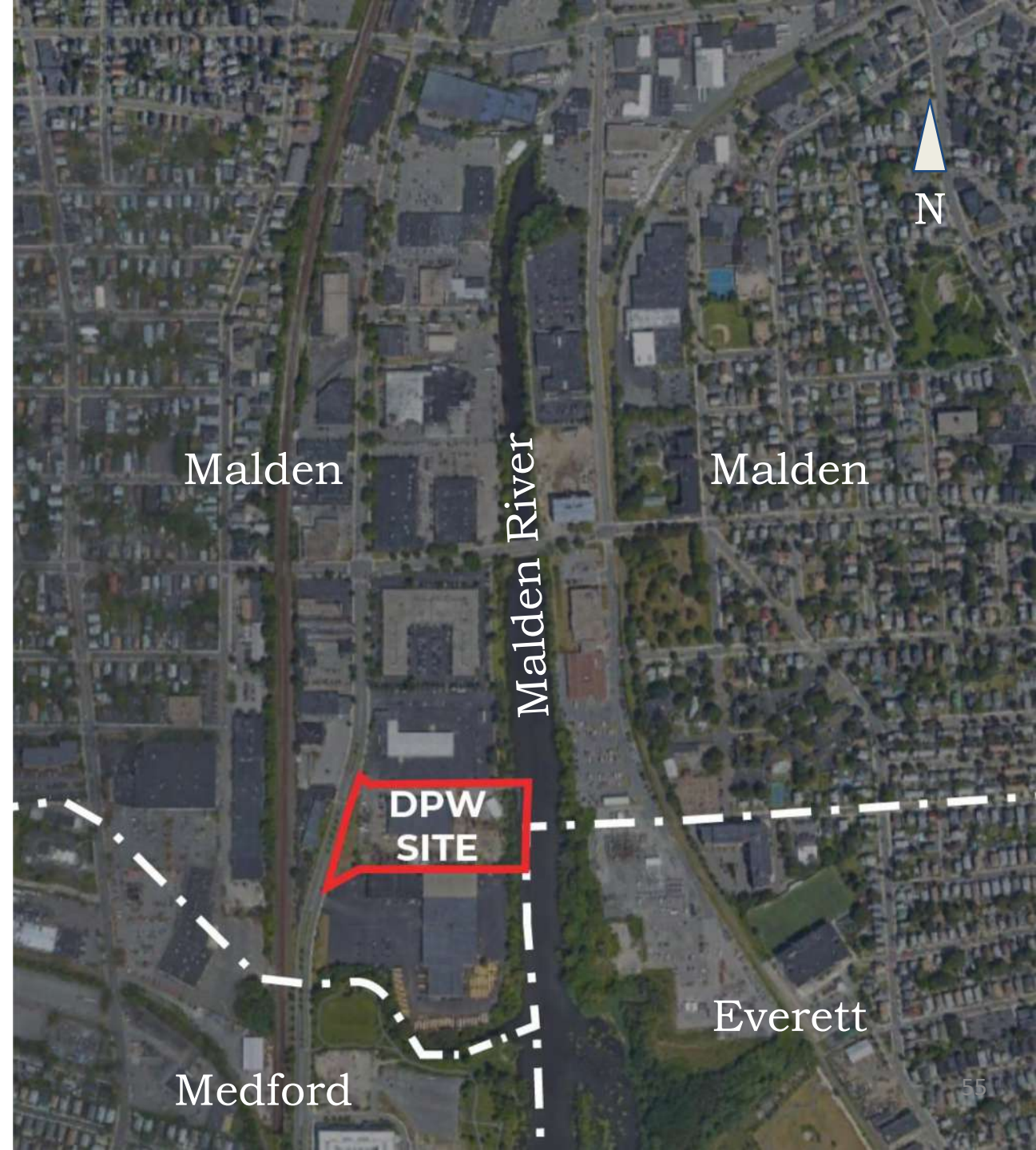




# Project Background

A few years ago, the Mystic River Watershed Association and Friends of the Malden River along with state agencies and local developers created a Malden River Greenway Vision Plan.

**Malden River Works** is a new project where the publicly-owned land along Malden's riverfront at the Department of Public Works (DPW) will be redeveloped into a park for public enjoyment. This project also sets an example for other riverfront properties by creating a public pathway along this part of the riverfront.

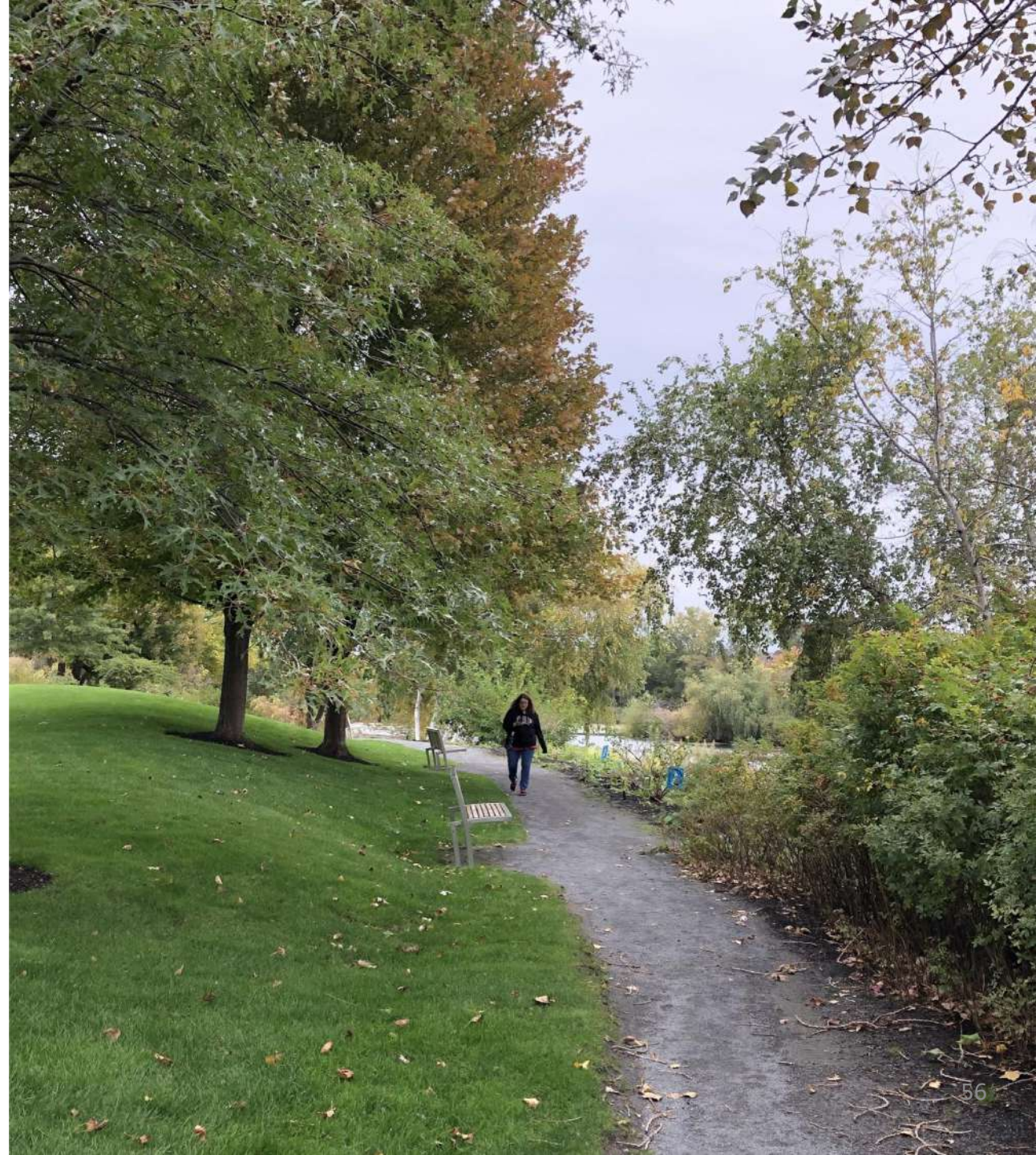




# Project Goals

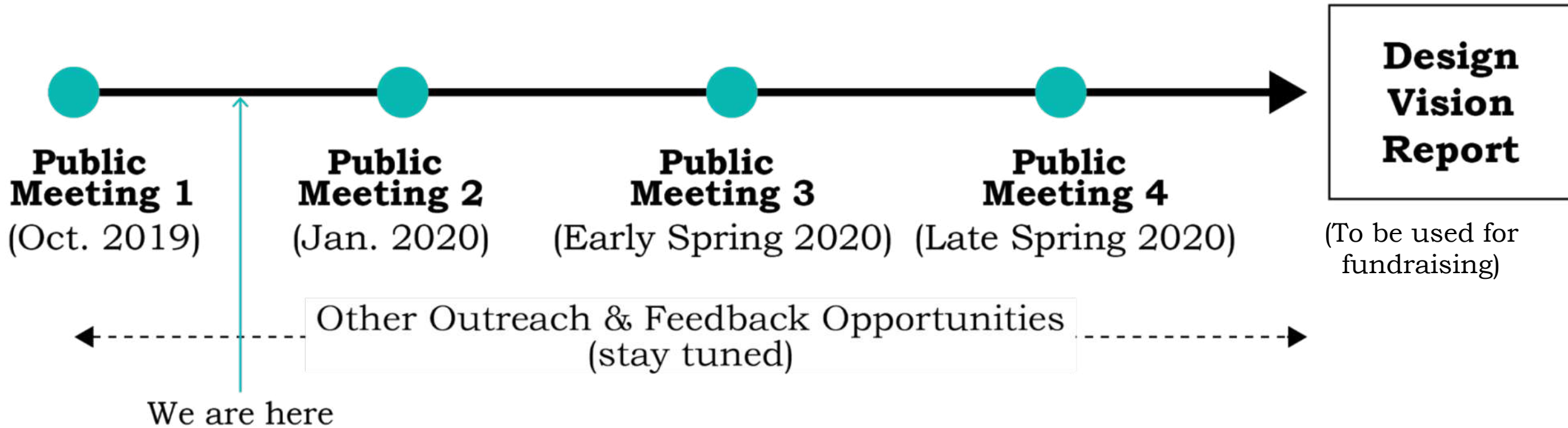
**Malden River Works** will bring together a new coalition of community leaders, youth, environmental advocates, and government officials in action to achieve a common goal:

Building a community-driven waterfront park at the DPW site focussed on long-term equity and resilience.





# Project Timeline



# First Public Meeting

Held on Monday, October 21, 2019

6:30PM - 8:30PM

At the Malden Senior Center





# Meeting Agenda

6:35 PM Introductions

7:15 PM Guest Speaker: Alexie  
Torres

Co-founder of Bronx River  
Alliance

7:30 PM Breakout table discussions

8:05 PM Report back

8:30 PM Adjourn



Marcia Manong, Steering Committee Chair,  
opened the meeting with words of welcome  
Photo by Khalil Kaba

# What We Heard

- Lots of people were unaware that Malden has a river
- People need access & also more info. about where they can access the river
- There is overall excitement about the river's potential
- We need to clean the river
- Preserve wildlife / greenery / nature



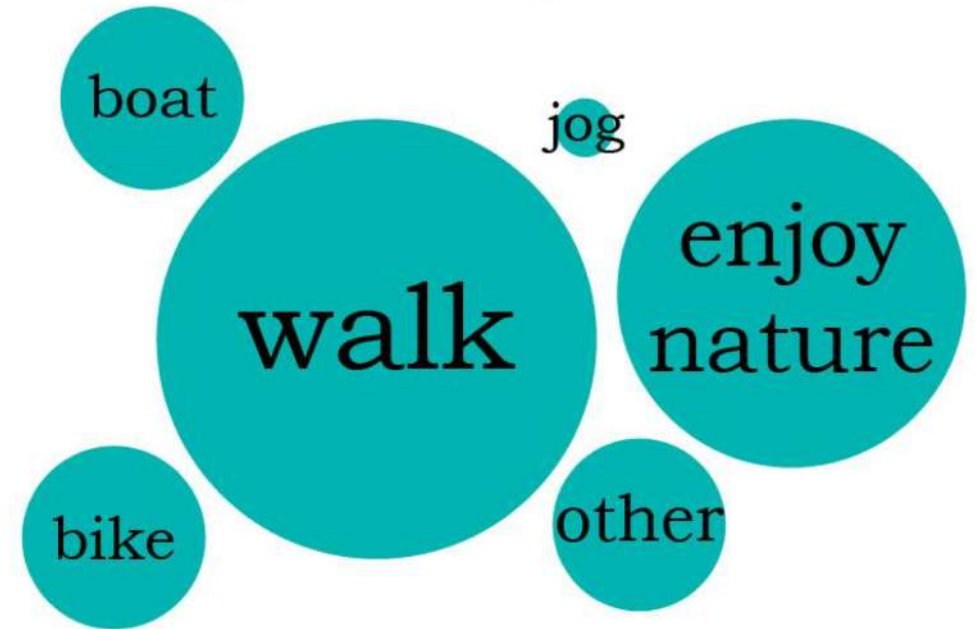
Breakout sessions for smaller discussions  
Photo by Khalil Kaba



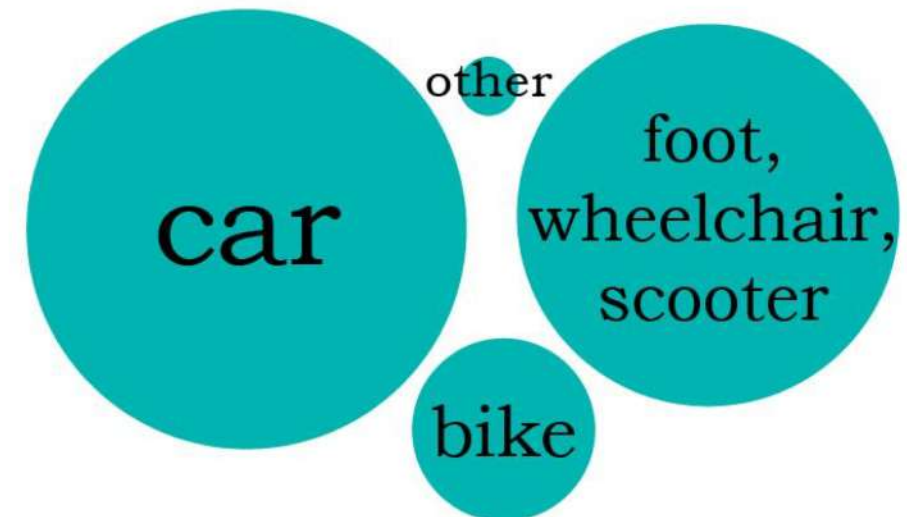
# What We Heard

- 37 out of 86 survey participants had never been to the Malden River
- Of the remaining, a large majority of them drove or walked to it
- Most came for walking or enjoying nature, but some biked or boated
- Others visited the DPW site or came for a one-time organized event

What do you do along the Malden River?



How do you get to the Malden River?



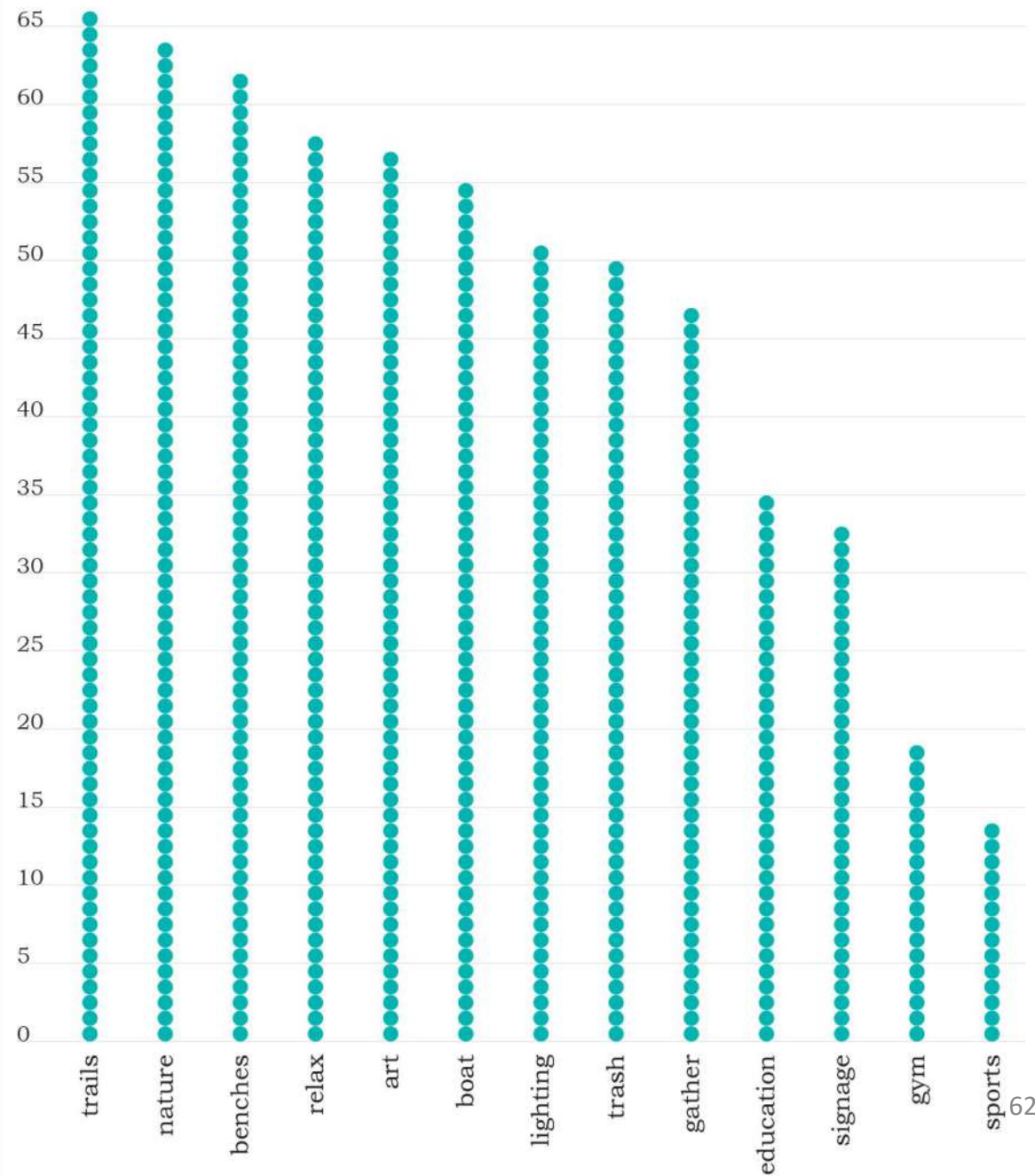
# What We Heard

The greatest number of responses focused on the pathways and creating spaces for relaxation and for enjoying nature, wildlife, and preserving ecosystems. Boating was also included in the top six activities

The next highest group of responses was public art, education, wayfinding, gathering spaces

The lowest priority was given to the outdoor gym and sporting activities

What kinds of activities, features, or amenities would you like to see (or see more of) along the Malden River?





# Next Steps

The design team is working to translate the feedback from Public Meeting 1 into a set of initial design ideas for the DPW site.

The results of these processes will be presented at Public Meeting 2.

# Mark Your Calendar

**Public Meeting 2:**

**January 30, 2020, at 6:30pm**

**Malden Senior Center**

**7 Washington Street, Malden MA**

# Learn More



## Web

- [MaldenRiverWorks.org](http://MaldenRiverWorks.org)
- [MysticRiver.org/MaldenRiver](http://MysticRiver.org/MaldenRiver)
- [LeventhalCityPrize.MIT.edu](http://LeventhalCityPrize.MIT.edu)

## Email

- [MaldenRiverWorks@gmail.com](mailto:MaldenRiverWorks@gmail.com)

Share your ideas!

Complete your survey here:

[MysticRiver.org/MaldenRiver](http://MysticRiver.org/MaldenRiver)

## Social Media

#MaldenRiverWorks



FriendsoftheMaldenRiver  
MysticRiverWatershedAssoc



MysticMyRWA



FriendsoftheMaldenRiver  
Mystic.River.Watershed