

Hudson River Valley Greenway Link Study

Technical Advisory Committee
Meeting #5

April 10, 2012



Project Team



Eng-Wong, Taub & Associates

New York Metropolitan Transportation Council



Project Background

New York State created the Hudson River Valley Greenway in 1991

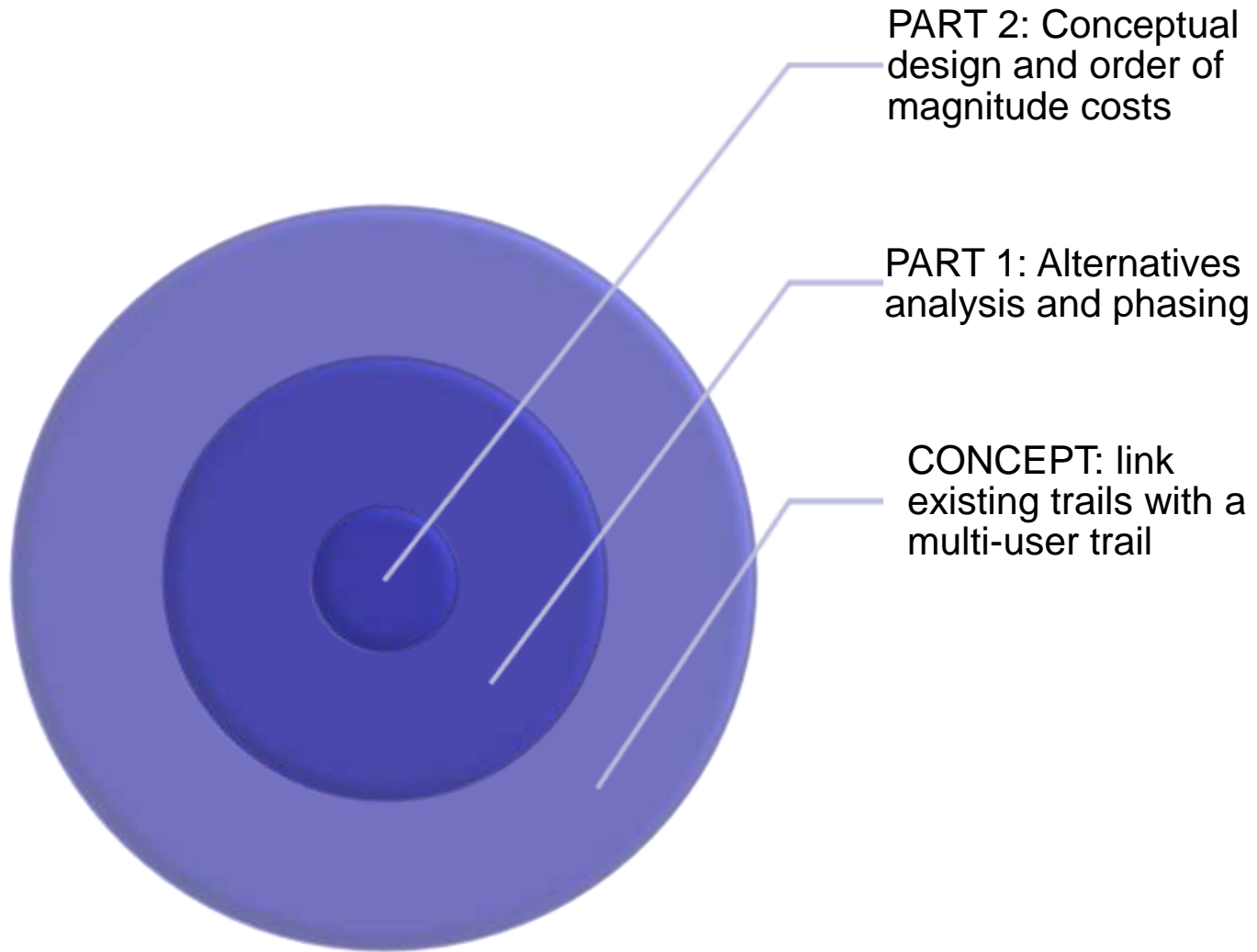
Congress designated the area a National Heritage Corridor in 1996

Coalition of environmental and waterfront revitalization organizations, elected officials

Federal transportation earmark

Hudson River Valley Greenway Link Study

Project Approach

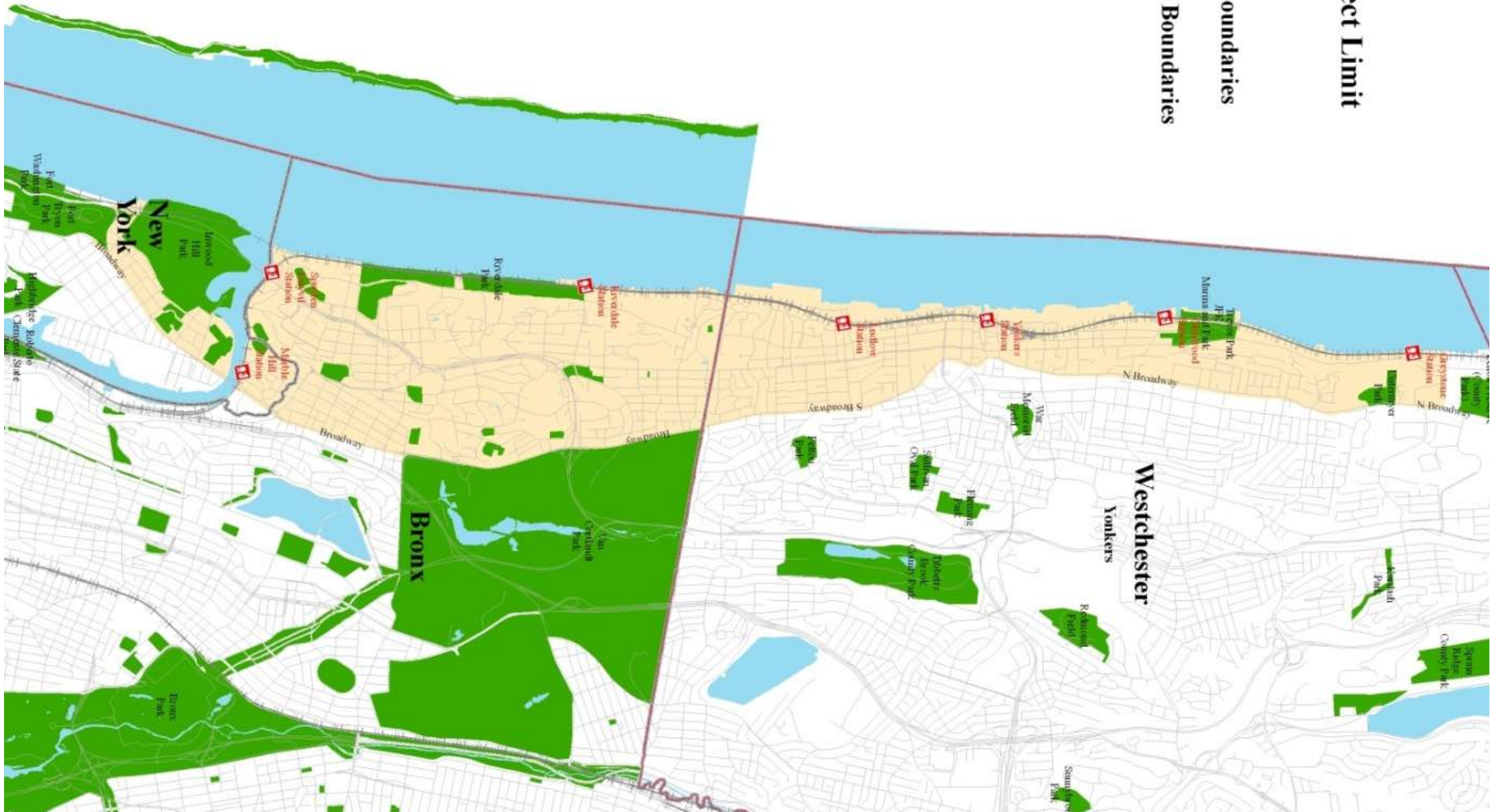


Project Steering Committee

- **NYC Departments of Transportation, City Planning and Parks and Recreation**
- **City of Yonkers Planning Department**
- **Westchester County Departments of Planning, Public Works and Transportation, and Parks**
- **MTA Metro-North Railroad and MTA Bridges & Tunnels**
- **New York State Department of Transportation**
- **National Railroad Passenger Corporation (Amtrak)**

Study Area

Odell Ave (North); Dyckman St (South);
Broadway (East); Hudson River (West)



- Legend**
- Project Limit
 - Roads
 - Town Boundaries
 - County Boundaries

PROJECT GOAL

Manhattan
Waterfront
Greenway
(MWG)



Old Croton
Aqueduct Trail
(OCA)



Close the gap between the Manhattan Waterfront Greenway in Northern Manhattan and the Old Croton Aqueduct Trail in Northern Yonkers – Sticking as close to the River as possible.

MWG @ Ft Washington Park, Northern Manhattan



HUDSON RIVER VALLEY GREENWAY LINK

OCA Trail – Odell Avenue, Yonkers

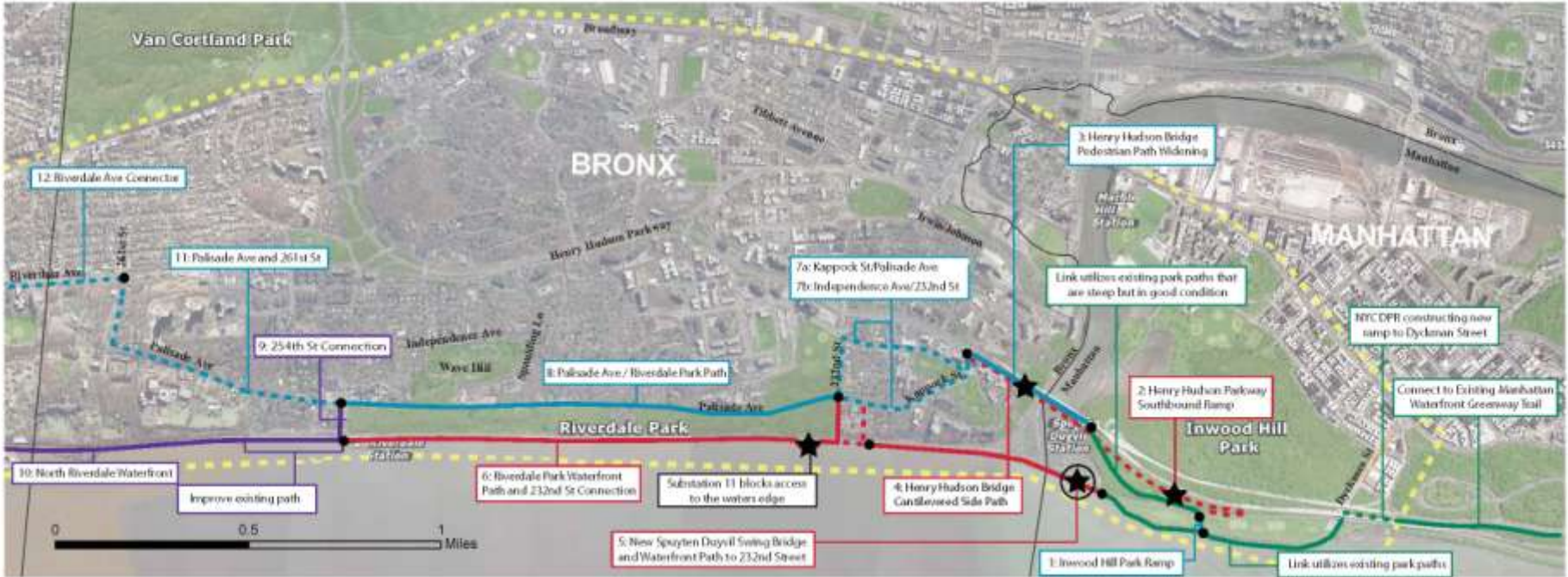


RECOMMENDED PHASING PLAN FOR WATERFRONT ALIGNEMENT

**A grand total of 20 discreet capital projects representing
short, medium and long-term routing options**

RECOMMENDED PHASING PLAN

MANHATTAN & THE BRONX



LEGEND

- Existing Interim Link; with opportunity for a major capital improvement to create a Class I Physically Separated Greenway Path (3-5 years)
- Existing on-street Interim Link - these on-street route alternatives require improved on-street bicycle accommodation, streetscape enhancements and pedestrian safety improvements (1-3 years)

Preferred Link (5-10 years) - Capital Improvement Required

Preferred Link (10+ years) - Future Enhancement Project

Alternate Preferred Link (10+ years) - Future Enhancement Project

Study Area

* Existing OCA Trail Access Points

★ Critical Physical Barrier (long-term solution required)

★ Secondary Barrier

RECOMMENDED PHASING PLAN

YONKERS



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- Existing Interim Link with opportunity for a major capital improvement to create a Class 1 Physically Separated Greenway Path (3-5 years)
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Preferred Route

Specific recommended capital projects for which conceptual design is being advanced now – mostly waterfront route:

- **Project # 4 – Henry Hudson Bridge Side Path**
- **Project # 7 – Kappock Street/Palisade Avenue**
- **Project # 6 – Riverdale Pk Waterfront 232nd St - 254th St**
- **Project # 10 – North Riverdale Waterfront**

Yonkers

- **Project # 15 – Fernbrook and Ludlow Streets**
- **Project # 17 – Buena Vista Avenue**
- **Project # 19 – Alexander Street**
- **Project # 20 – Trevor Park Connection**

PHASING PLAN PROJECT # 4

HENRY HUDSON BRIDGE
CANTILEVERED SIDE PATH

HENRY HUDSON BRIDGE CANTILEVERED SIDE PATH



HENRY HUDSON BRIDGE CANTILEVERED SIDE PATH



EXISTING CONDITIONS

HENRY HUDSON BRIDGE CANTILEVERED SIDE PATH



HUDSON RIVER VALLEY GREENWAY LINK

HENRY HUDSON BRIDGE CANTILEVERED SIDE PATH

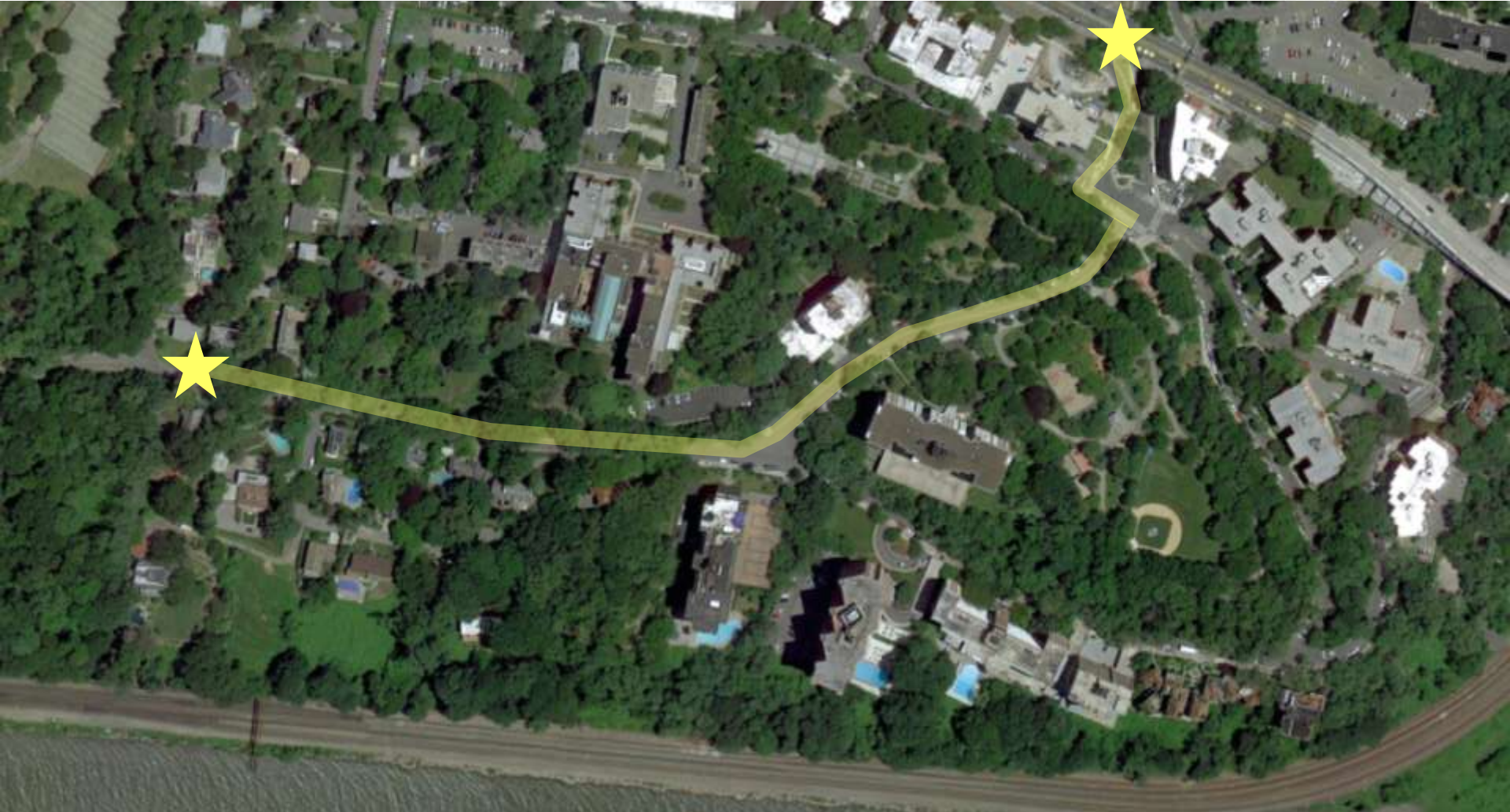
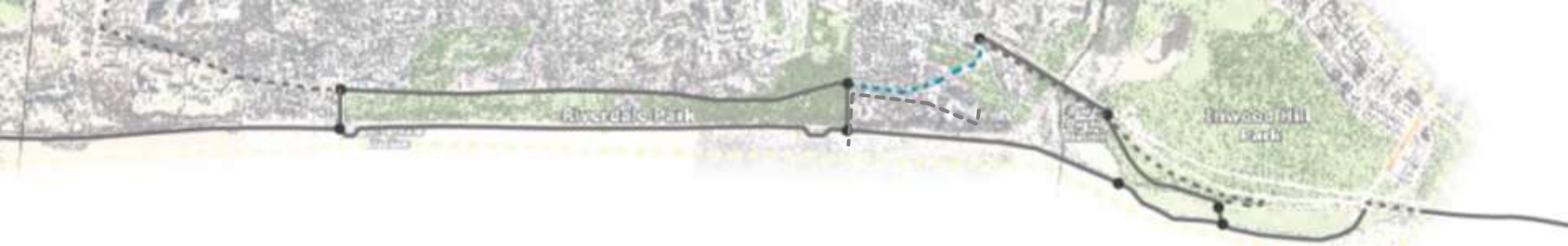


HUDSON RIVER VALLEY GREENWAY LINK

PHASING PLAN PROJECT # 7

KAPPOCK STREET/PALISADE AVE
or
INDEPENDENCE AVE/232ND STREET

KAPPOCK STREET/PALISADE AVENUE



KAPPOCK STREET



EXISTING CONDITIONS

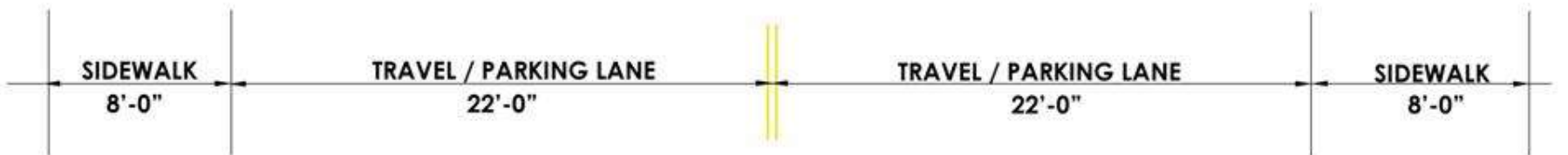
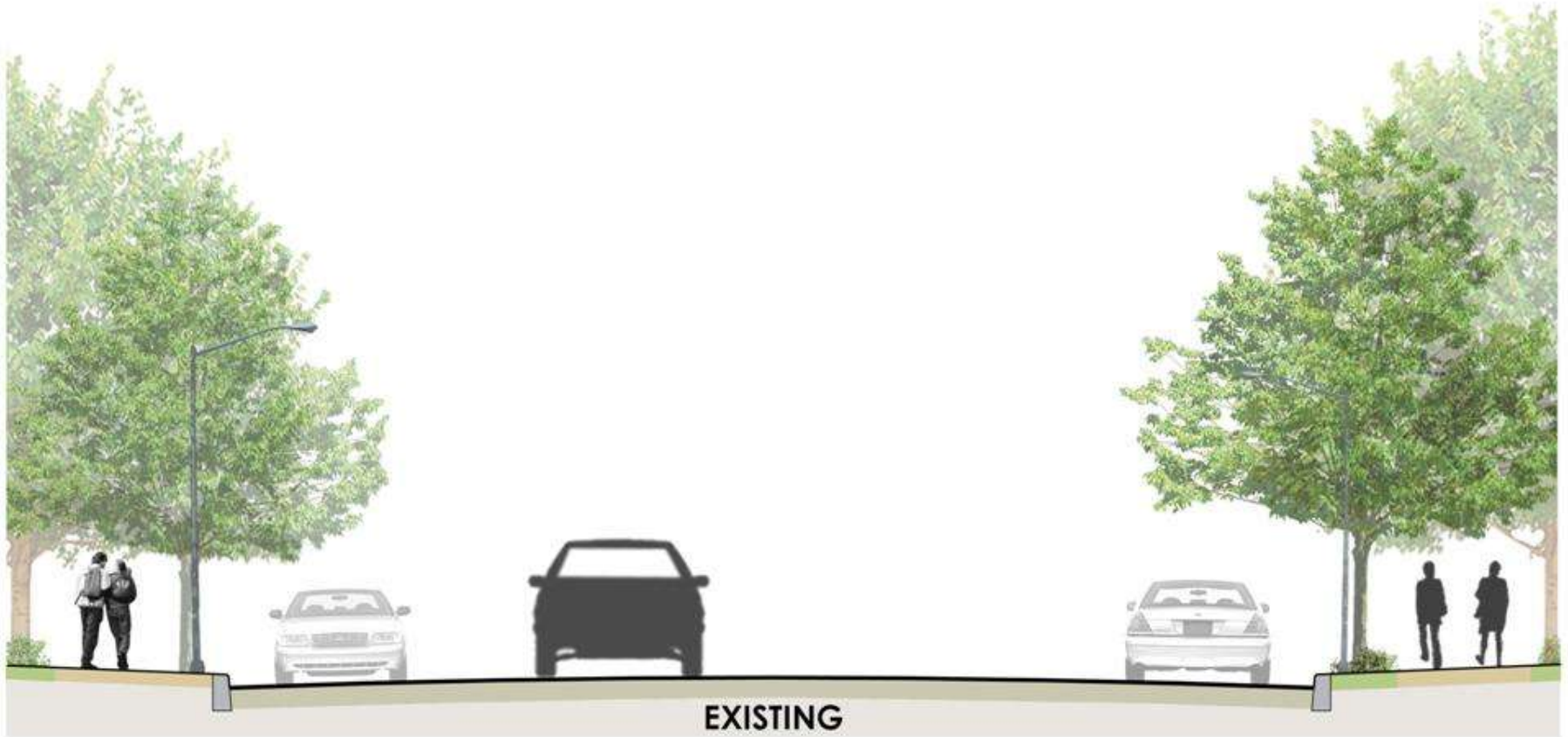
PALISADE AVENUE



EXISTING CONDITIONS – between 231 St and 232 St

KAPPOCK STREET

at Palisade Avenue

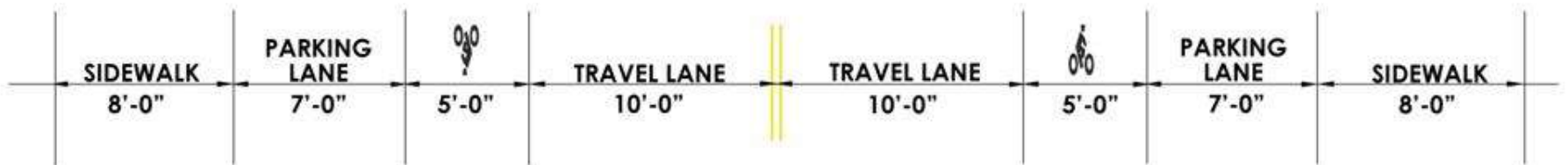


KAPPOCK STREET

at Palisade Avenue



PROPOSED

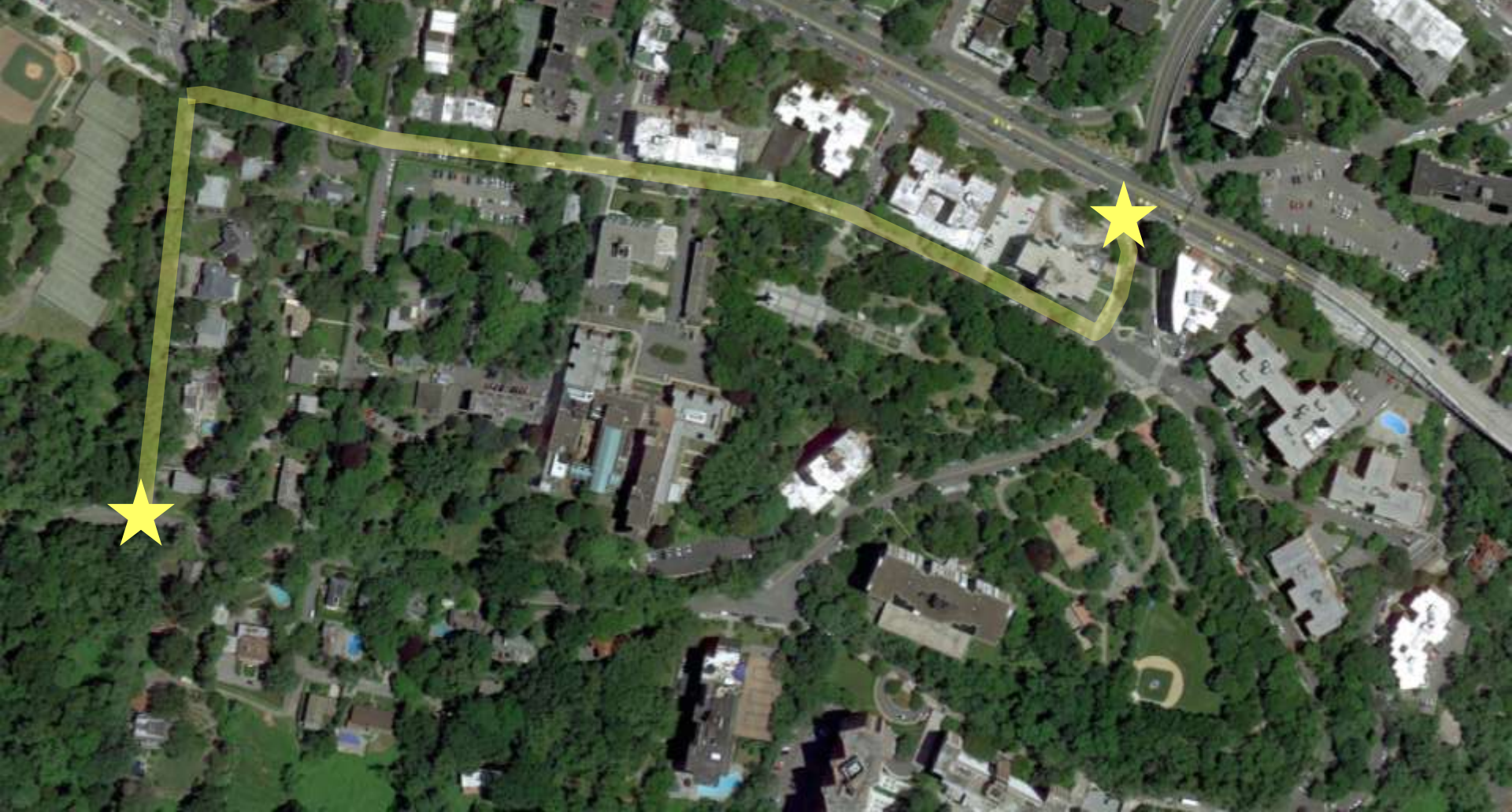


Kappock Street @ Palisade Avenue

Case Study – Bedford Avenue Bike Lanes (Brooklyn)



Phasing Plan Link: INDEPENDENCE AVENUE/232 ST



INDEPENDENCE AVENUE/232 STREET



EXISTING CONDITIONS – Independence South of 231st St

INDEPENDENCE AVENUE/232 STREET



EXISTING CONDITIONS – Independence between 231st St and 232nd St

INDEPENDENCE AVENUE/232 STREET



Seton Park

EXISTING CONDITIONS – 232nd St, Palisade to Independence

PHASING PLAN PROJECT # 6

RIVERDALE PARK WATERFRONT
232ND STREET TO 254TH STREET

RIVERDALE PARK WATERFRONT – 232 to 254 STREET

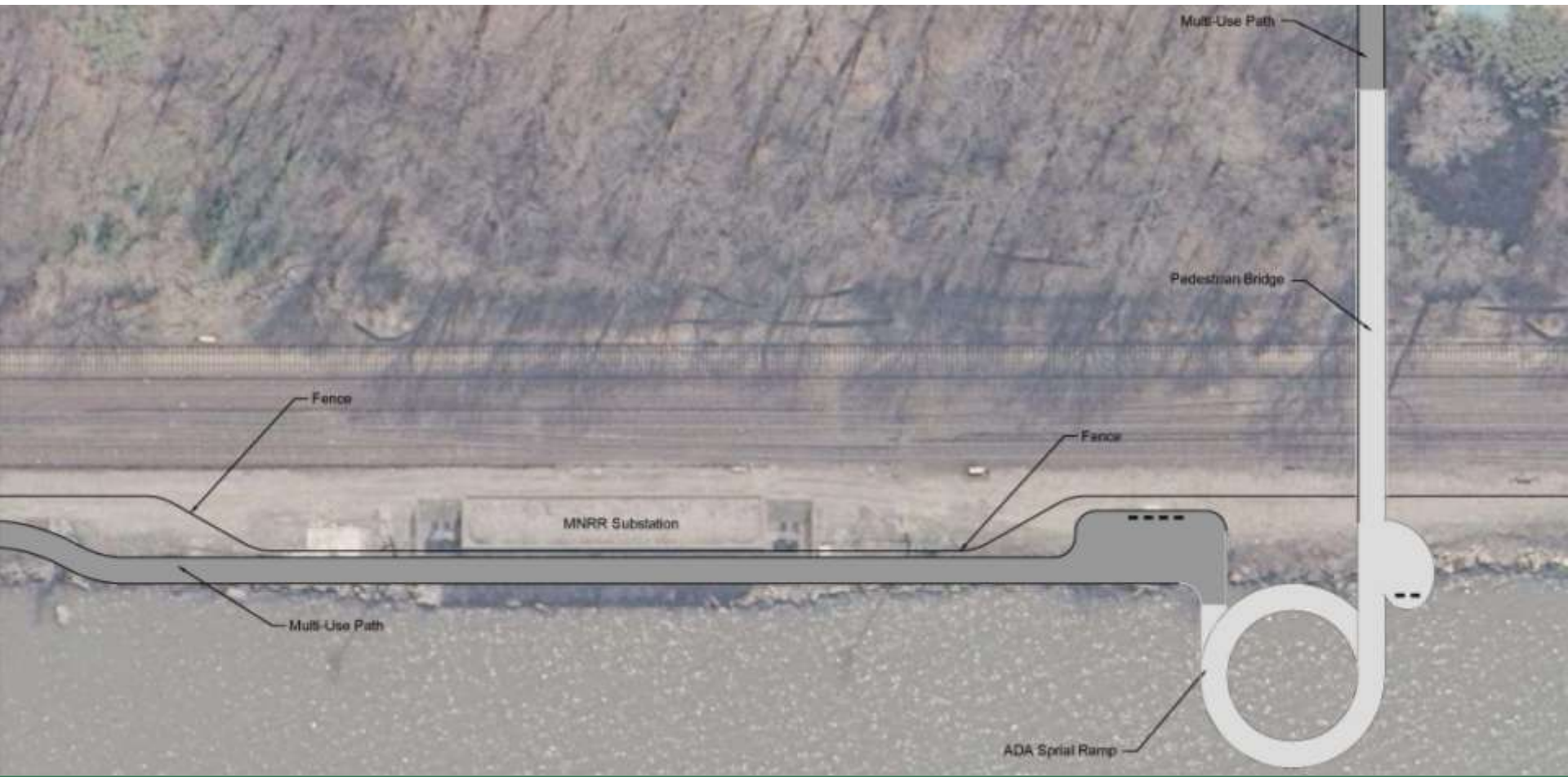


RIVERDALE PARK WATERFRONT – 232 to 254 STREET



HUDSON RIVER VALLEY GREENWAY LINK

RIVERDALE PARK WATERFRONT – 232 to 254 STREET



Case Study Example – Circular Ramp

East bank Esplanade – Portland, Oregon



Case Study Example – Pile Supported Structure

Riverwalk – Riverside Park, Manhattan



RIVERDALE PARK WATERFRONT – 232 TO 254 STREET



EXISTING CONDITIONS

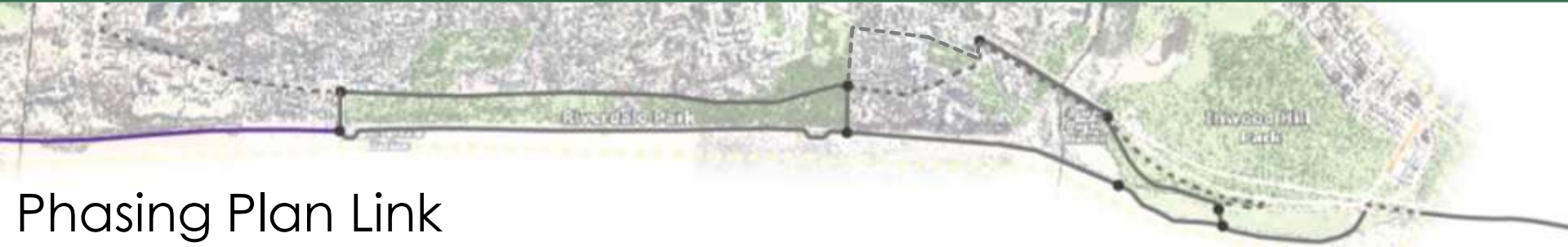
Case Study – Active Rail with Trail – Morris Cty, NJ



PHASING PLAN PROJECT # 10

NORTH RIVERDALE WATERFRONT
254TH STREET TO FERNBROOK STREET
(YONKERS)

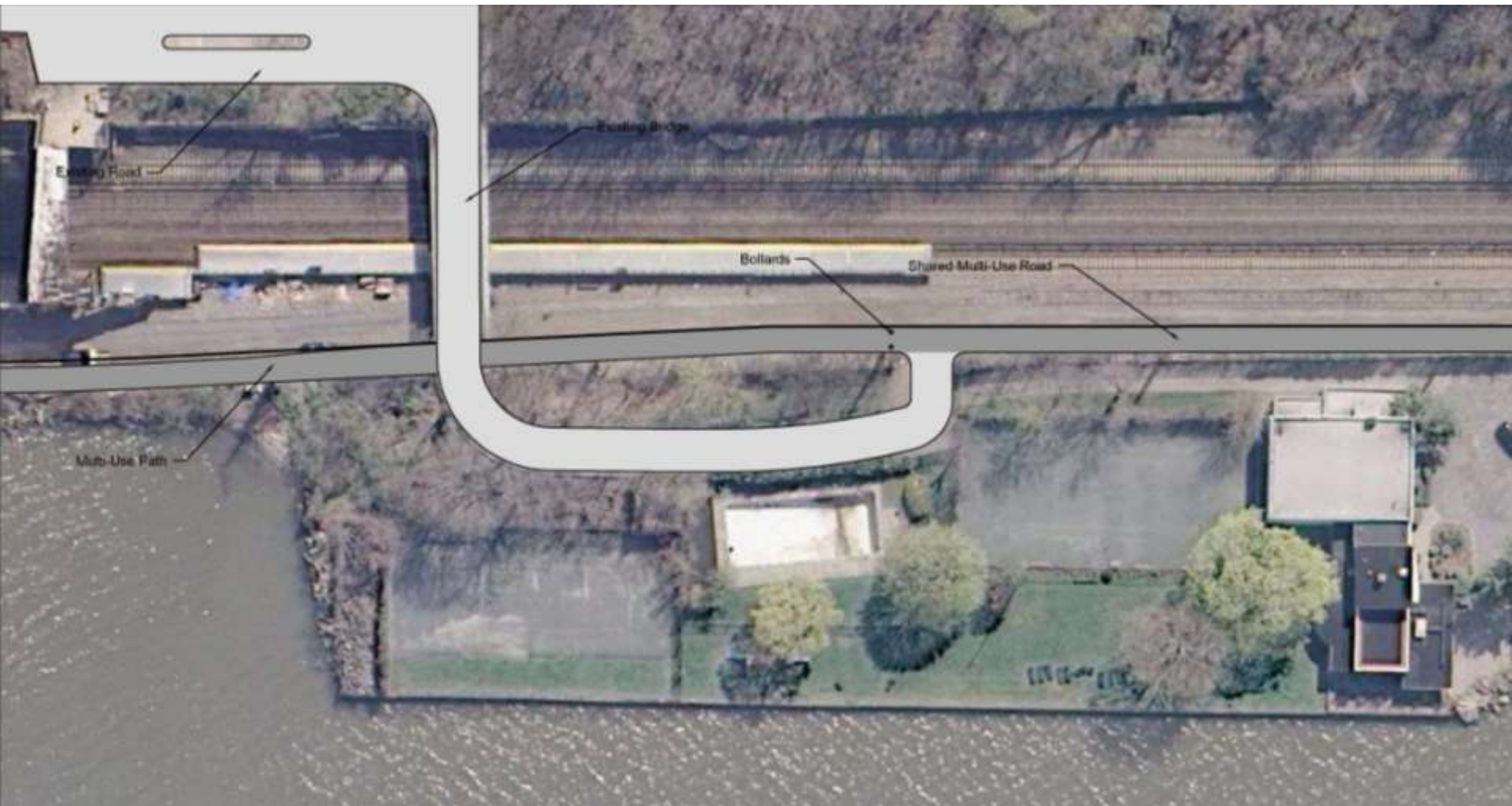
NORTH RIVERDALE WATERFRONT



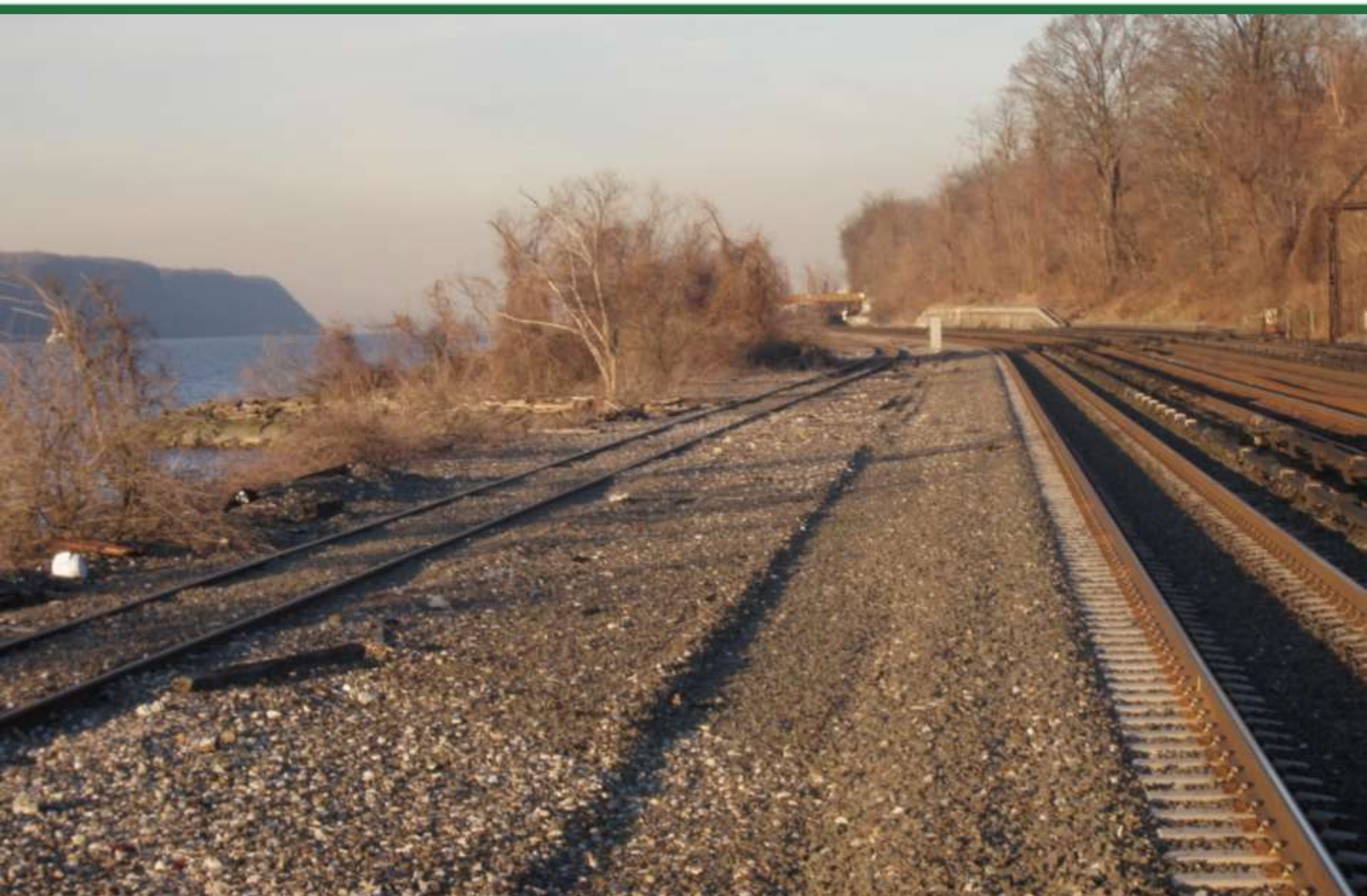
Phasing Plan Link



NORTH RIVERDALE WATERFRONT



NORTH RIVERDALE WATERFRONT



EXISTING CONDITIONS

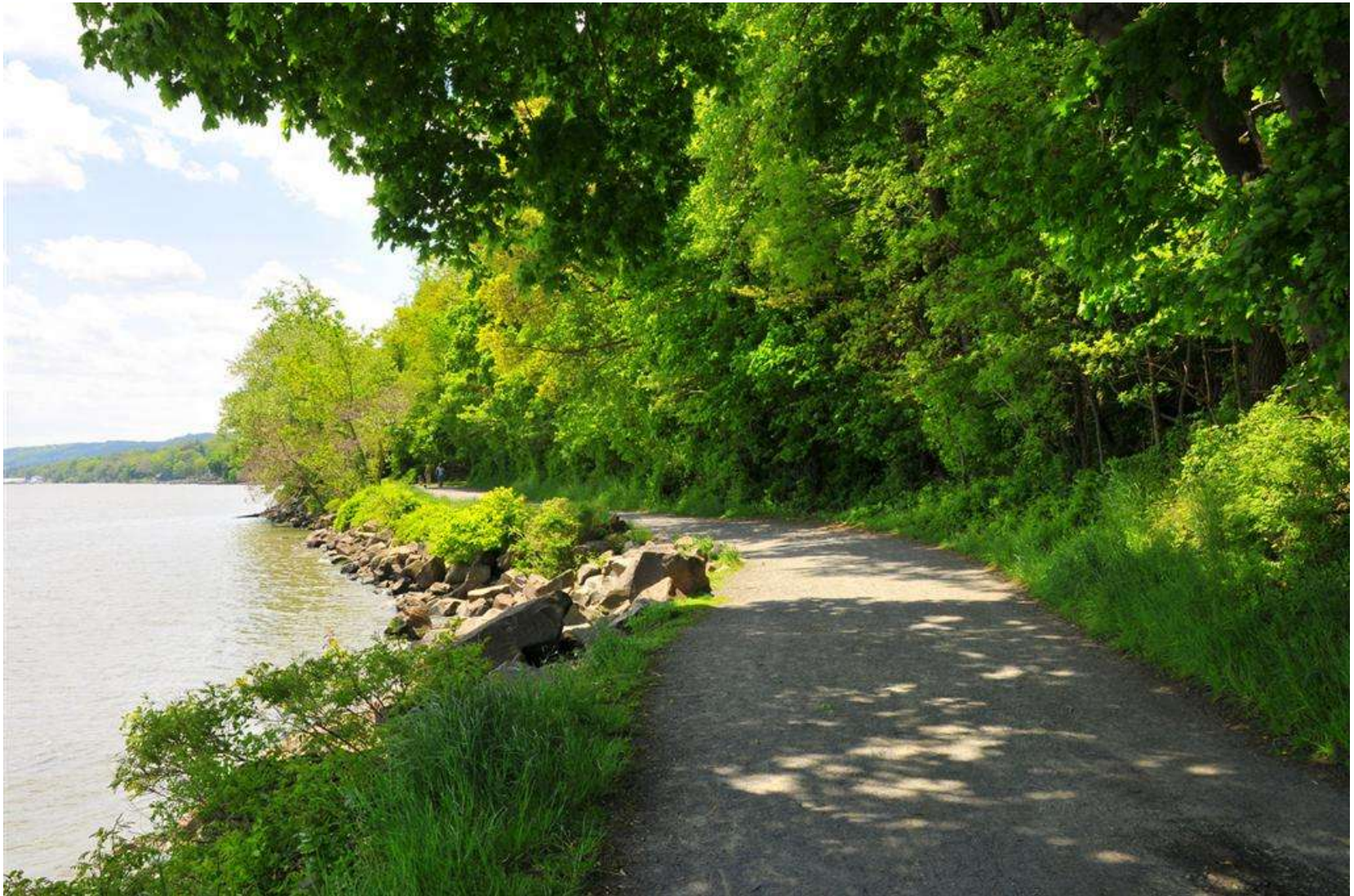
NORTH RIVERDALE WATERFRONT



HUDSON RIVER VALLEY GREENWAY LINK

Case Study Example – Hudson River Trail

North Nyack to Haverstraw – Rockland County



RECOMMENDED PHASING PLAN

YONKERS



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PHASING PLAN PROJECT # 15

YONKERS CONNECTOR VIA
FERNBROOK AND LUDLOW

YONKERS CONNECTOR VIA FERNBROOK AND LUDLOW ST



YONKERS CONNECTOR VIA FERNBROOK AND LUDLOW ST



Multi-Use Path



HUDSON RIVER VALLEY GREENWAY LINK

YONKERS CONNECTOR VIA FERNBROOK AND LUDLOW ST



YONKERS CONNECTOR VIA FERNBROOK AND LUDLOW ST



YONKERS CONNECTOR VIA FERNBROOK AND LUDLOW ST



YONKERS CONNECTOR VIA FERNBROOK AND LUDLOW ST



EXISTING CONDITIONS – Fernbrook St

YONKERS CONNECTOR VIA FERNBROOK AND LUDLOW ST



EXISTING CONDITIONS – Ludlow St (to Buena Vista)

PHASING PLAN PROJECT # 17

BUENA VISTA AVENUE

BUENA VISTA AVENUE



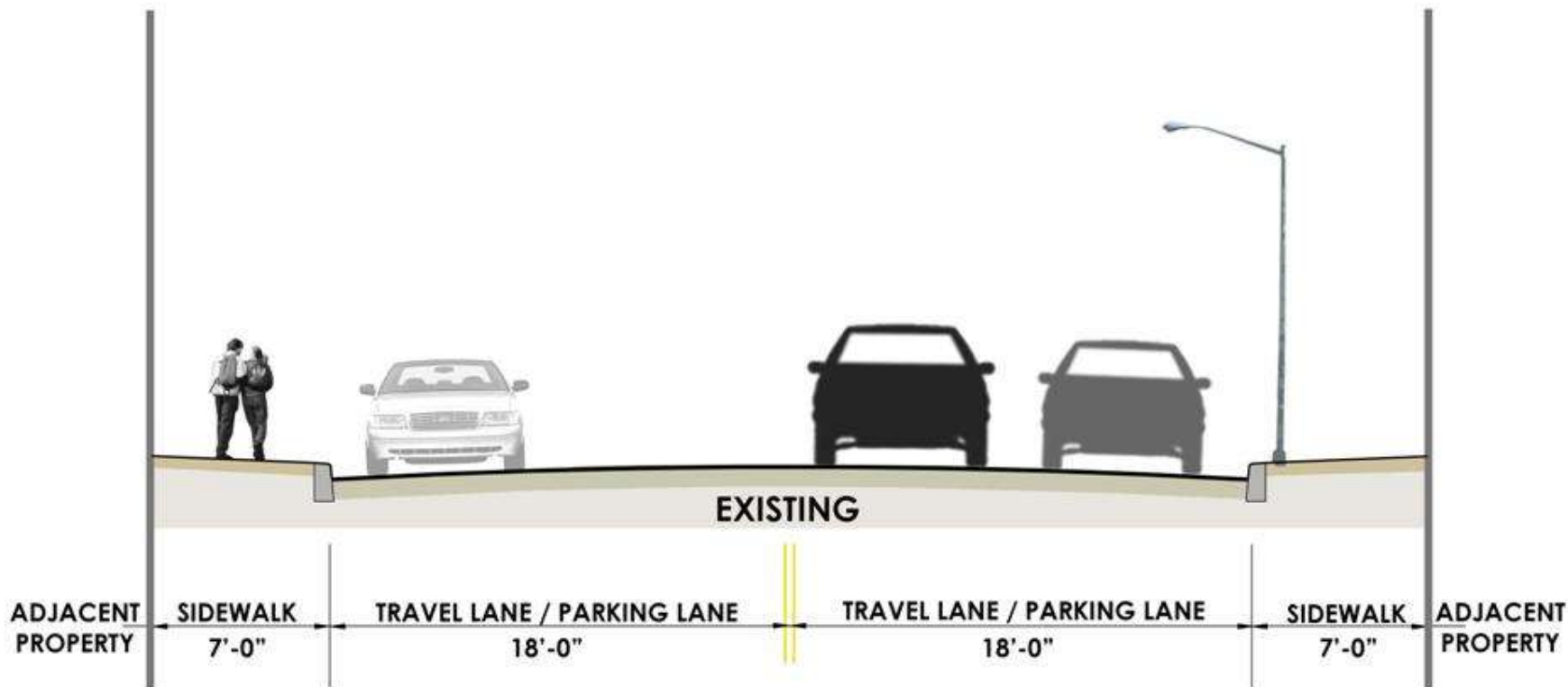
BUENA VISTA AVENUE



EXISTING CONDITIONS

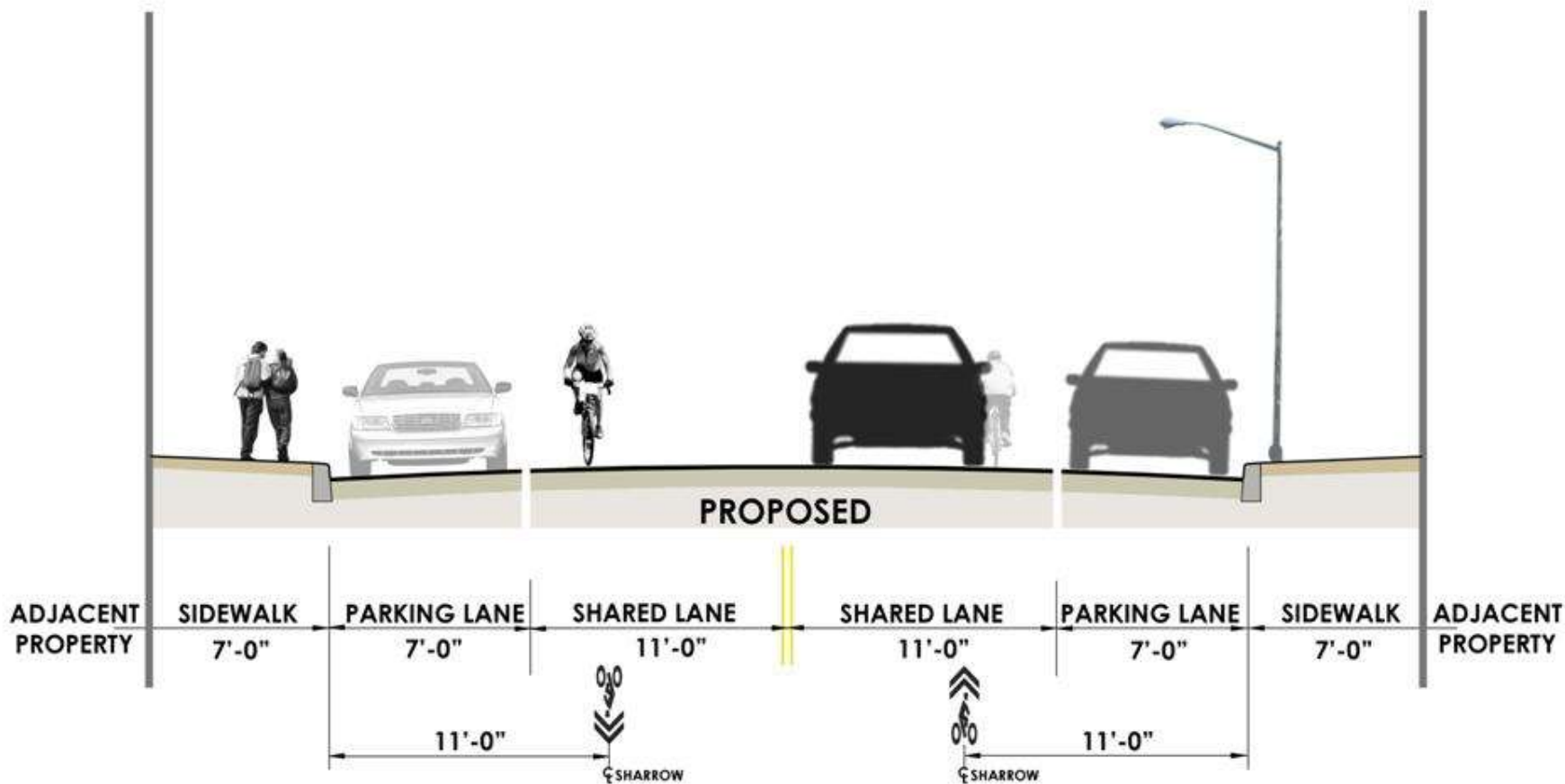
BUENA VISTA AVENUE

between Prospect & Vark Streets



BUENA VISTA AVENUE

between Prospect & Vark Streets



Case Study – 5th Avenue ‘Sharrows’ (Brooklyn)



PHASING PLAN PROJECT # 19

ALEXANDER STREET

ALEXANDER STREET



ALEXANDER STREET



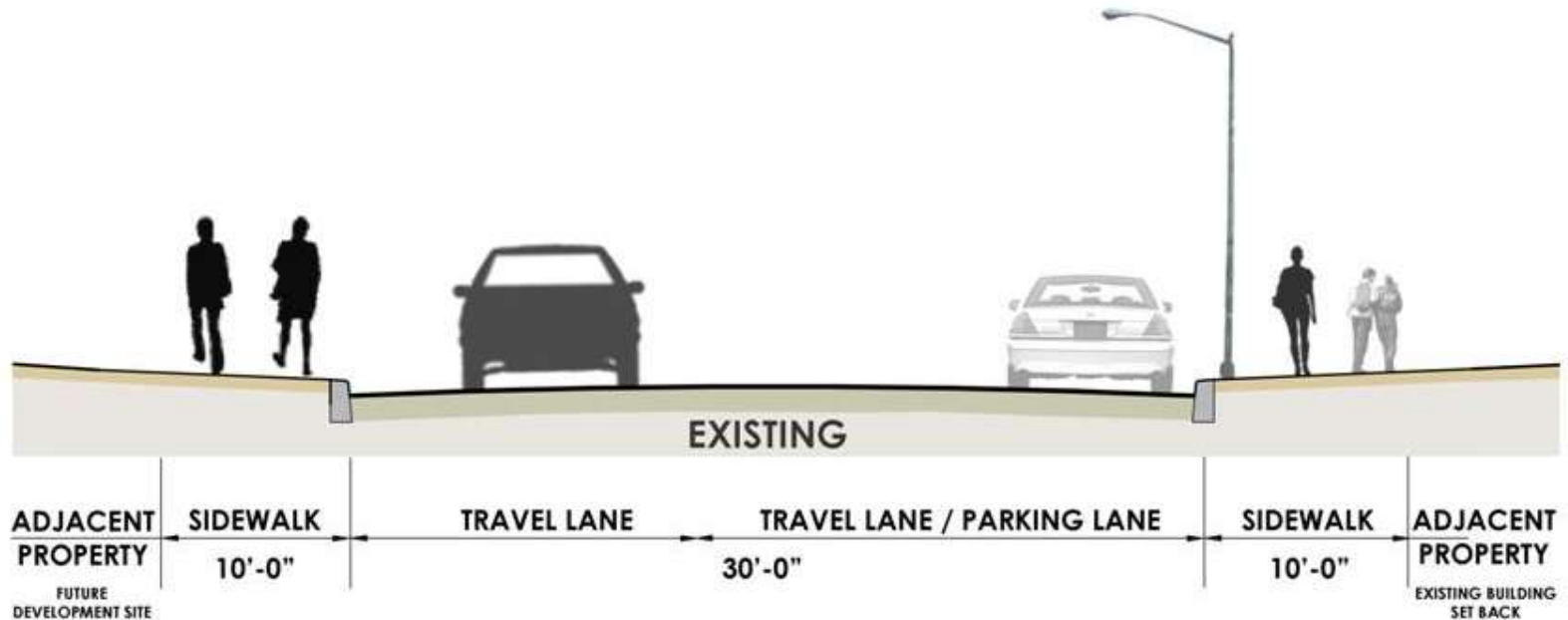
ALEXANDER STREET



EXISTING CONDITIONS

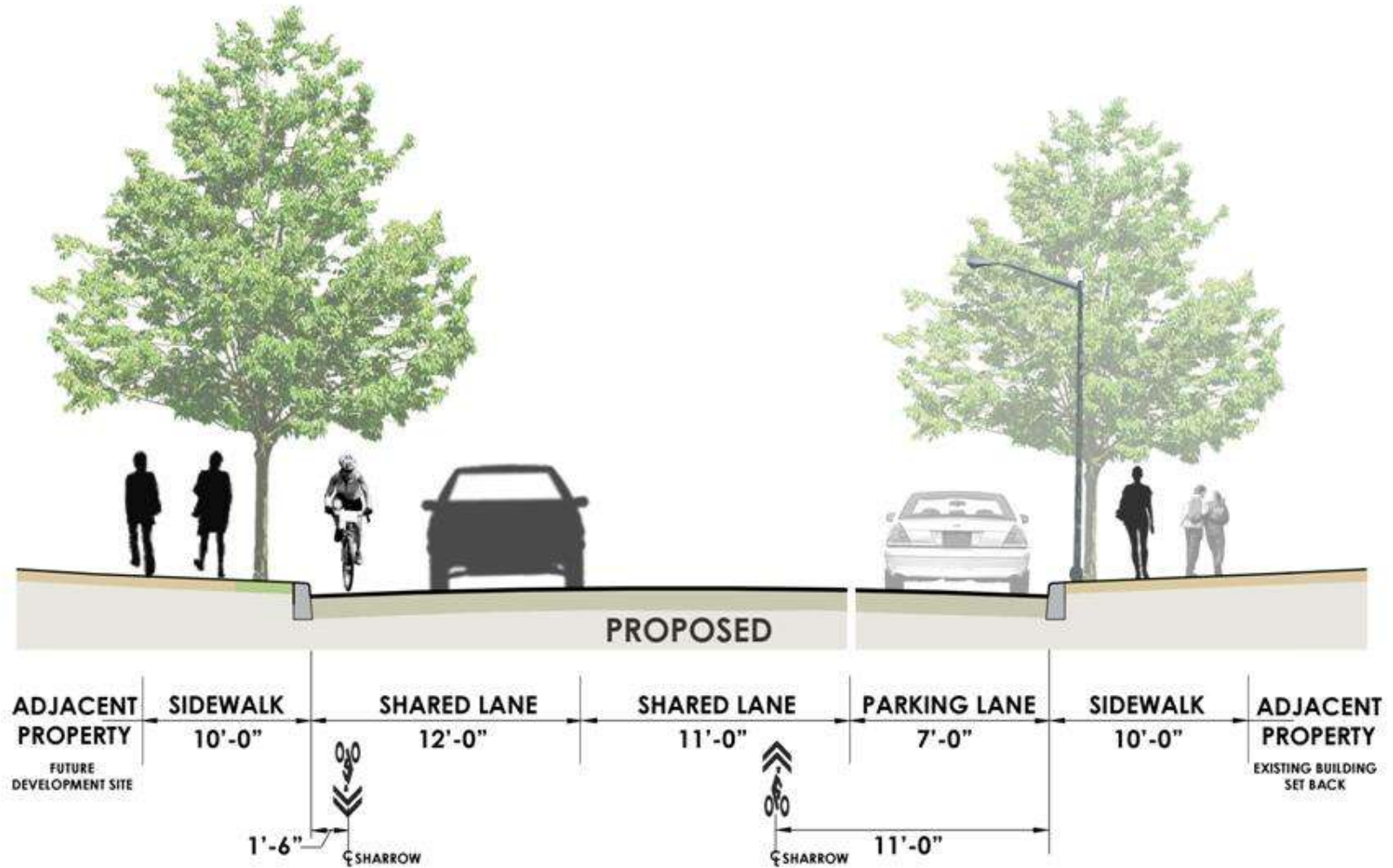
ALEXANDER STREET

between Ashburton & Wells Streets



ALEXANDER STREET

between Ashburton & Wells Streets



Case Study Example – Urban Side Path



Case Study Example – Urban On-Street Side Path



HUDSON RIVER VALLEY GREENWAY LINK

PHASING PLAN PROJECT # 20

TREVOR PARK CONNECTION

TREVOR PARK CONNECTION

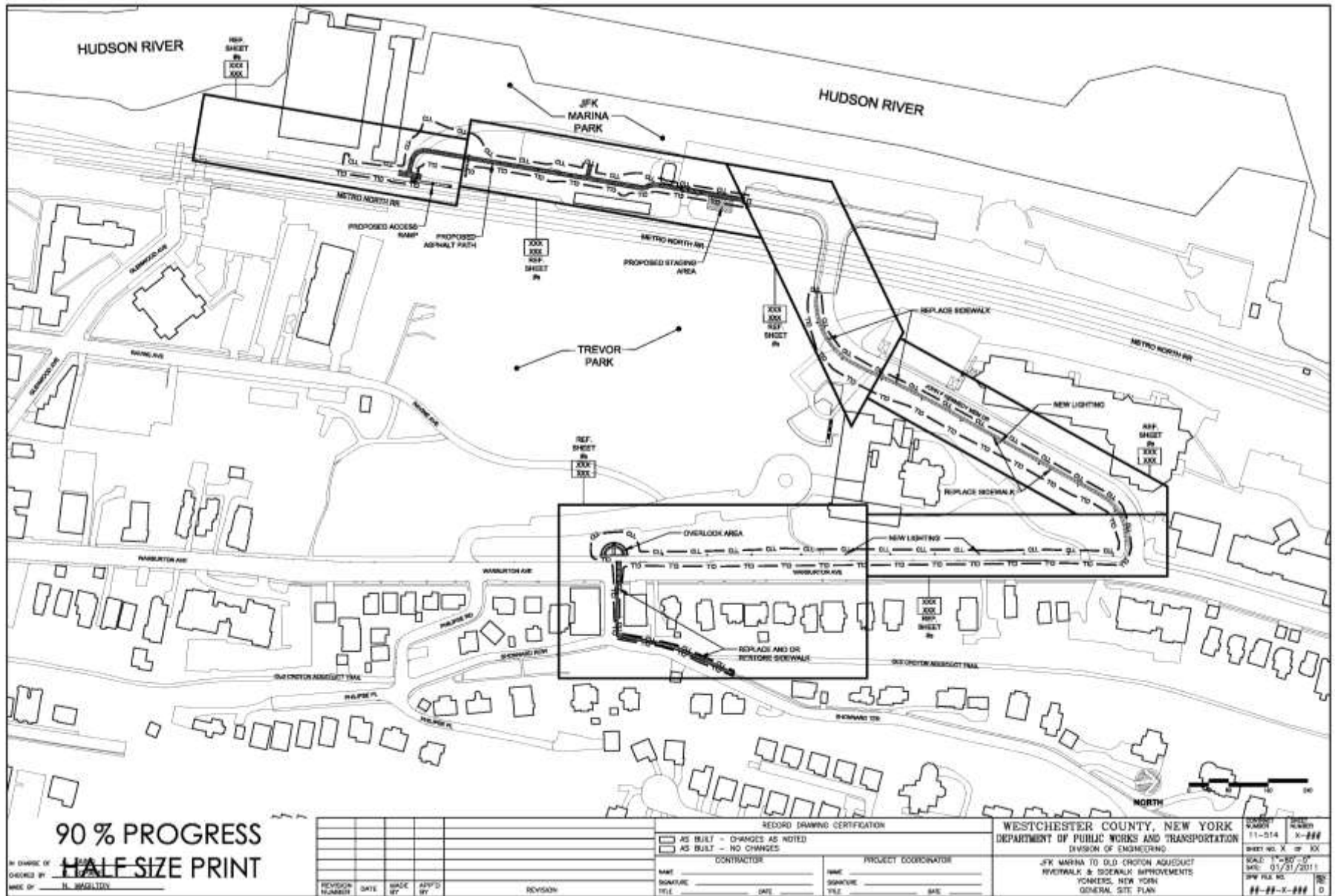


TREVOR PARK CONNECTION



EXISTING CONDITIONS

TREVOR PARK CONNECTION



90 % PROGRESS
HALF SIZE PRINT

IN CHARGE OF:
CHECKED BY:
DATE OF:

REVISION NUMBER	DATE	MADE BY	APPROVED BY	REVISION

RECORD DRAWING CERTIFICATION			
AS BUILT - CHANGES AS NOTED			
AS BUILT - NO CHANGES			
CONTRACTOR			
NAME	SIGNATURE	DATE	PROJECT COORDINATOR

WESTCHESTER COUNTY, NEW YORK		DATE: 11-014	SCALE: 1"=50'-0"
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		SHEET NO. X OF XX	DATE: 01/31/2011
DIVISION OF ENGINEERING		PROJECT NO. 08-00-X-000	DATE: 01-31-2011
JFK MARINA TO OLD CROTON AQUeduct		PROJECT NO. 08-00-X-000	DATE: 01-31-2011
SIDEWALK & BIKEWAY IMPROVEMENTS		PROJECT NO. 08-00-X-000	DATE: 01-31-2011
YONKERS, NEW YORK		PROJECT NO. 08-00-X-000	DATE: 01-31-2011
GENERAL SITE PLAN		PROJECT NO. 08-00-X-000	DATE: 01-31-2011