

**HWXP136A
RECONSTRUCTION OF GRAND
CONCOURSE SERVICE ROADS
EAST 166TH STREET TO EAST 171ST STREET**

**NEW YORK CITY DEPARTMENT OF TRANSPORTATION
NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION
WEIDLINGER ASSOCIATES, INC.
SARATOGA ASSOCIATES**

DESIGN OBJECTIVES

- ◆ **Improve safety by reducing traffic speeds and pedestrian crossing distances**
- ◆ **Adding a 3 foot buffer for the bicycle lane**
- ◆ **Providing added space in the median for pedestrian refuge**
- ◆ **Restoring pavement to good condition which will provide a service life of 20 years**
- ◆ **Improving the overall visual appearance of the roadway**
- ◆ **Improving the urban environment**

DESIGN FEATURES

- ◆ Widening the medians between the Grand Concourse main road and service roads
- ◆ Reconstructing the entire service roadway (8.5" concrete base with a 3" asphaltic concrete wearing course)
- ◆ Resurfacing the mainline roadway
- ◆ Constructing new steel faced concrete curbs
- ◆ Constructing new non-pigmented concrete sidewalks
- ◆ Constructing raised concrete medians
- ◆ Installing the M-Pole decorative street light and type "M-2" traffic signal with decorative castings
- ◆ Sewer and water main rehabilitation

EXISTING CONDITIONS EAST 161ST STREET TO EAST 166TH STREET



bollards for protection



continuous Belgian block tree pits



raised concrete planters



intersections for pedestrian crossing



raised concrete planters with dense vegetation



raised concrete planters

EXISTING CONDITIONS EAST 166TH STREET TO EAST 171ST STREET



existing Grand Concourse view



existing crosswalk and planter



existing median



existing traffic island



street vendor next to sidewalk



existing pedestrian crossing

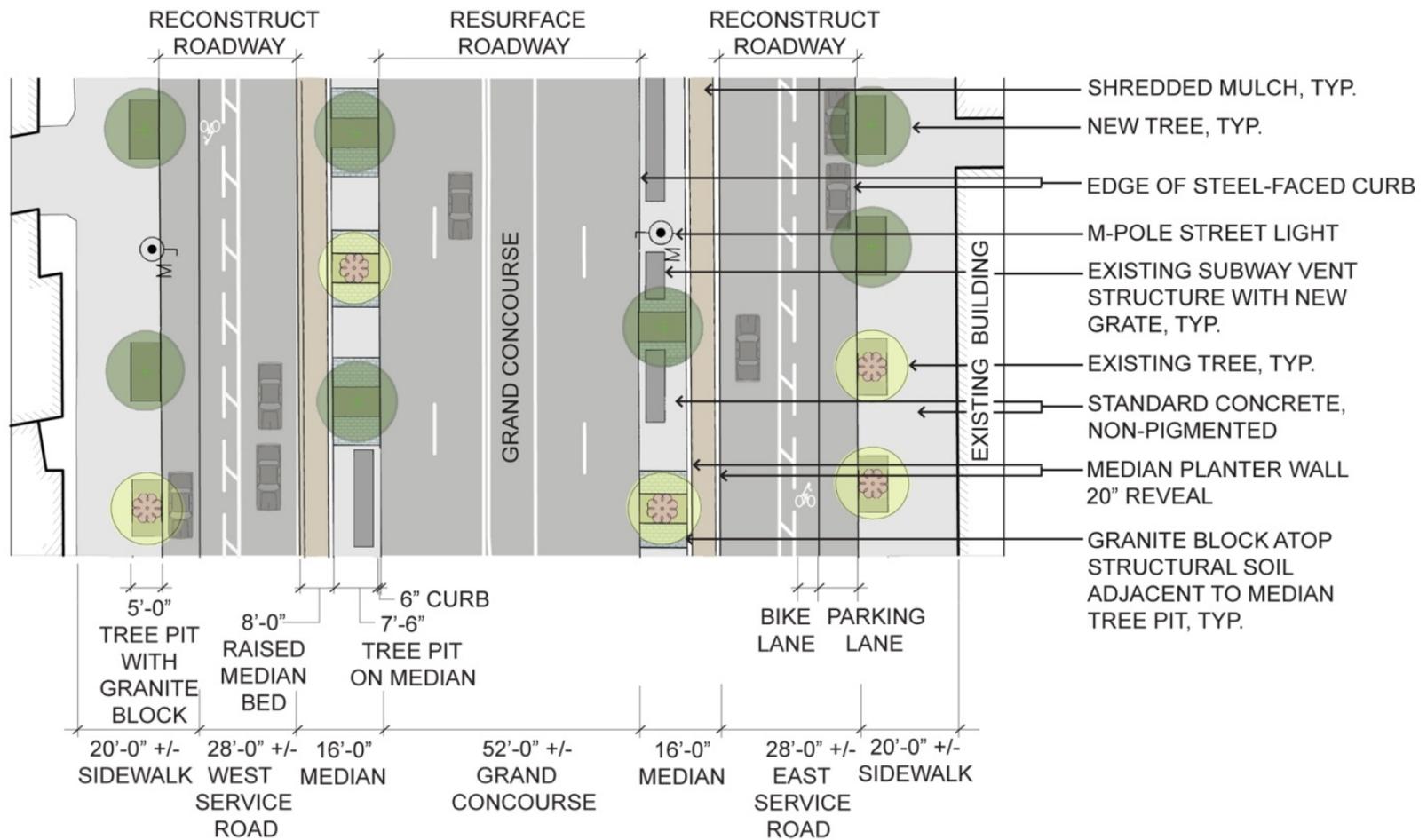


existing median

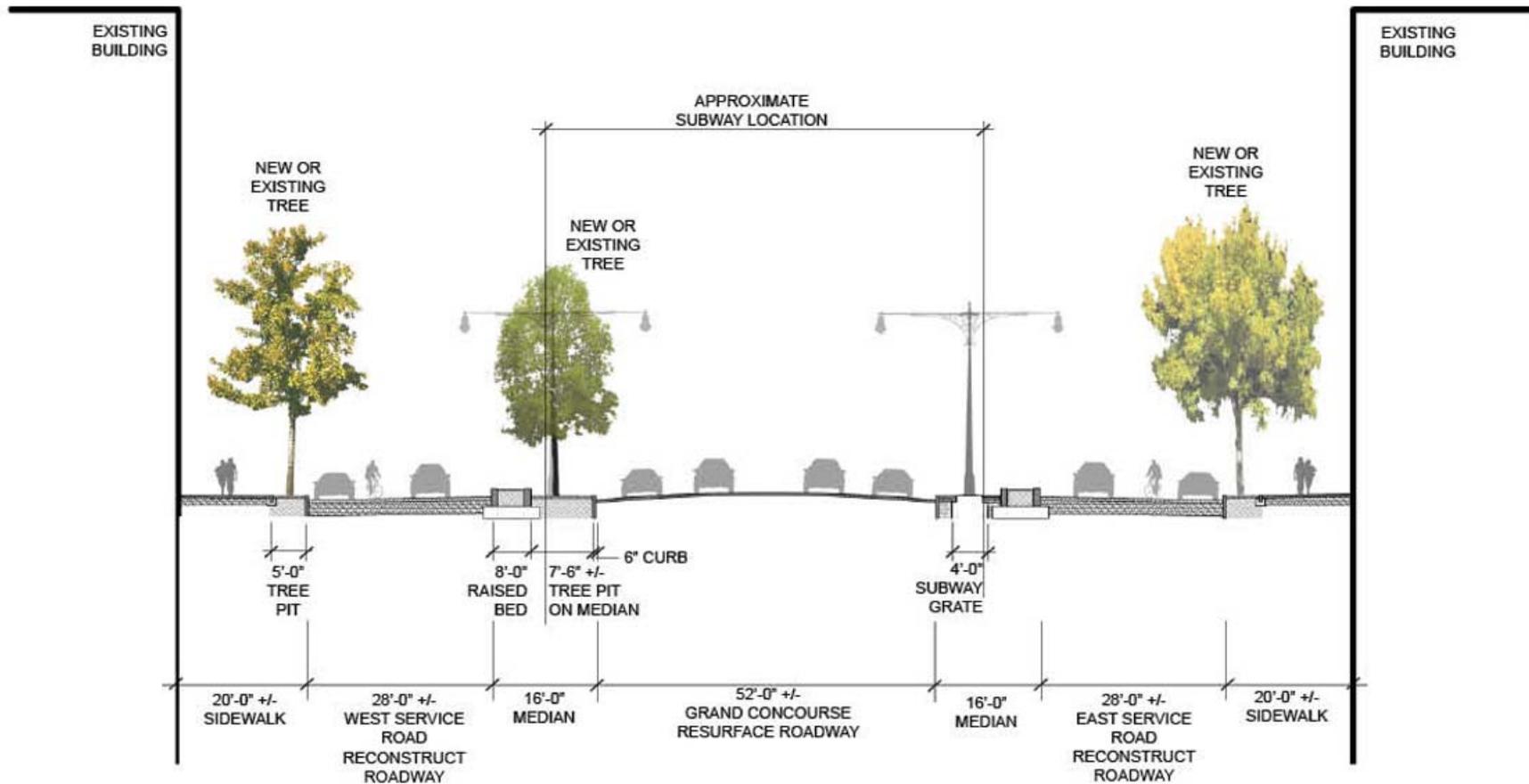


existing pedestrian crossing and retail stores in the back

PROPOSED PLAN



PROPOSED CROSS SECTION



PROPOSED REFUGE AREA



SCHEDULE AND COST

- ◆ Fiscal Year 2013

- ◆ Design Completion – anticipated Fall 2012

- ◆ Construction – anticipated start Spring 2013 (2 year duration)

- ◆ Estimate

- ◆ Total Cost = \$23,978,310

◆ Highway	\$13,678,324
◆ Sewers and Watermain	\$4,439,483
◆ Traffic and Street Lighting	\$4,450,263
◆ Gas Cost Sharing	\$268,415
◆ Escalation (5%)	\$1,141,825