

The Circle

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Transportation and Off-Site Traffic Improvements

Presented by

National Development

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Presented to

Aberdeen Architectural Conservation District Commission

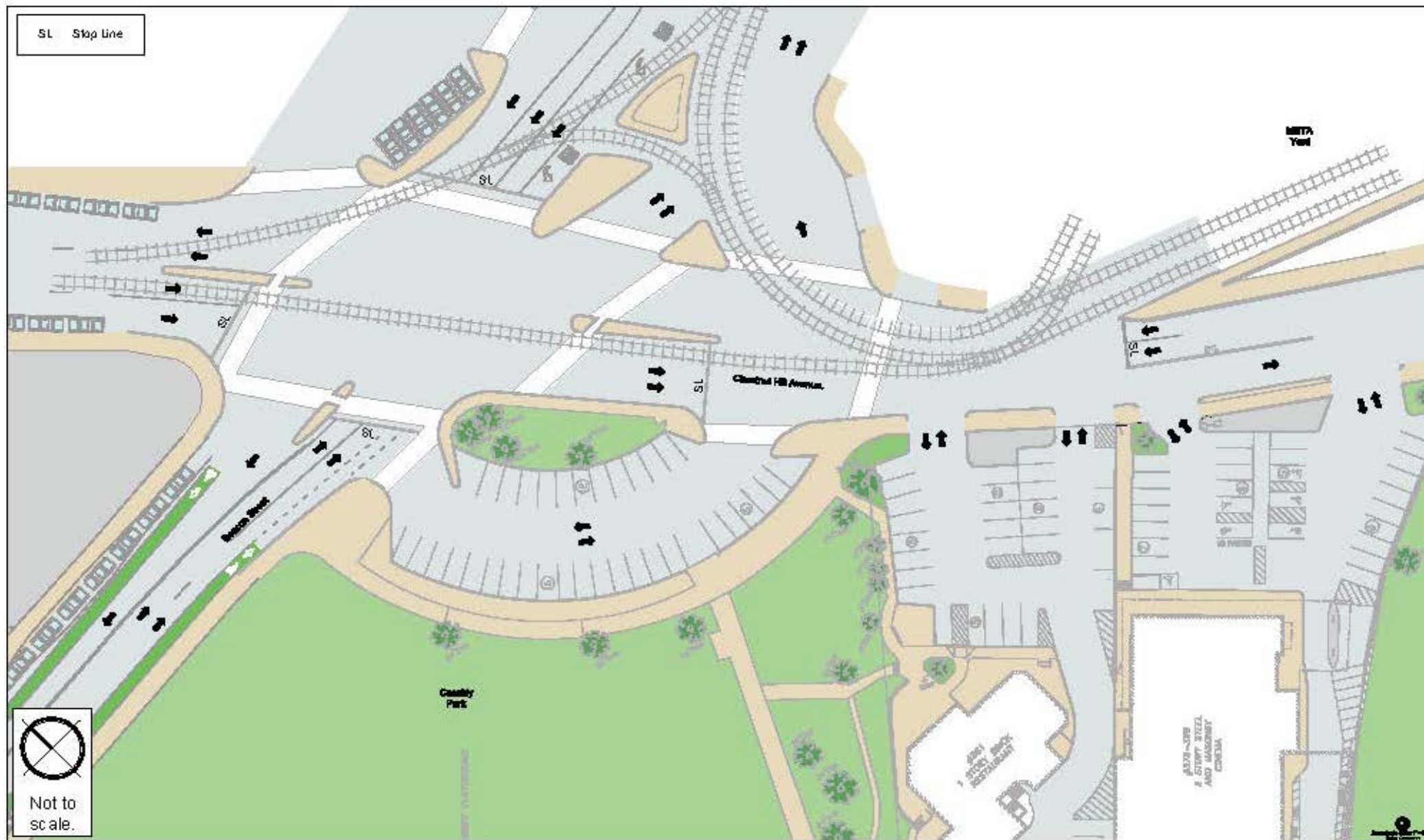


HOWARD STEIN HUDSON

Engineers + Planners

Project Overview

Engineers + Planners



- **Cleveland Circle Improvements**
 - Upgrade Sidewalks and Wheelchair Ramps to Conform with ADA Guidelines
 - Replace Weathered Traffic Equipment
 - Optimize Signal Operations
 - Enhance Landscaping Features
- **Site Redevelopment**
 - 375-399 Chestnut Hill Ave.
 - 2.56-Acre Site (2 Buildings)
 - Mixed-Use Development
 - *Hotel*
 - *Retail*
 - *Residential*

Existing Conditions



Figure 1 - Near-side Pedestrian Signal Post, Base, Foundation and Head to be Replaced (Typ)



Figure 2 - Double Lamp to be Retained or Reset (Typ), Signal Post and Head to be Replaced (Typ), Mast Arm and Signal Heads to be Replaced (Typ)



Figure 3- Single Lamps to be Retained or Relocated (Typ), Landscaping to be Renewed

Existing Conditions



Figure 4 - Park-Side Pendant Light to be Relocated or Retained (Typ), Grass to be Retained, Control Cabinet to be Retained

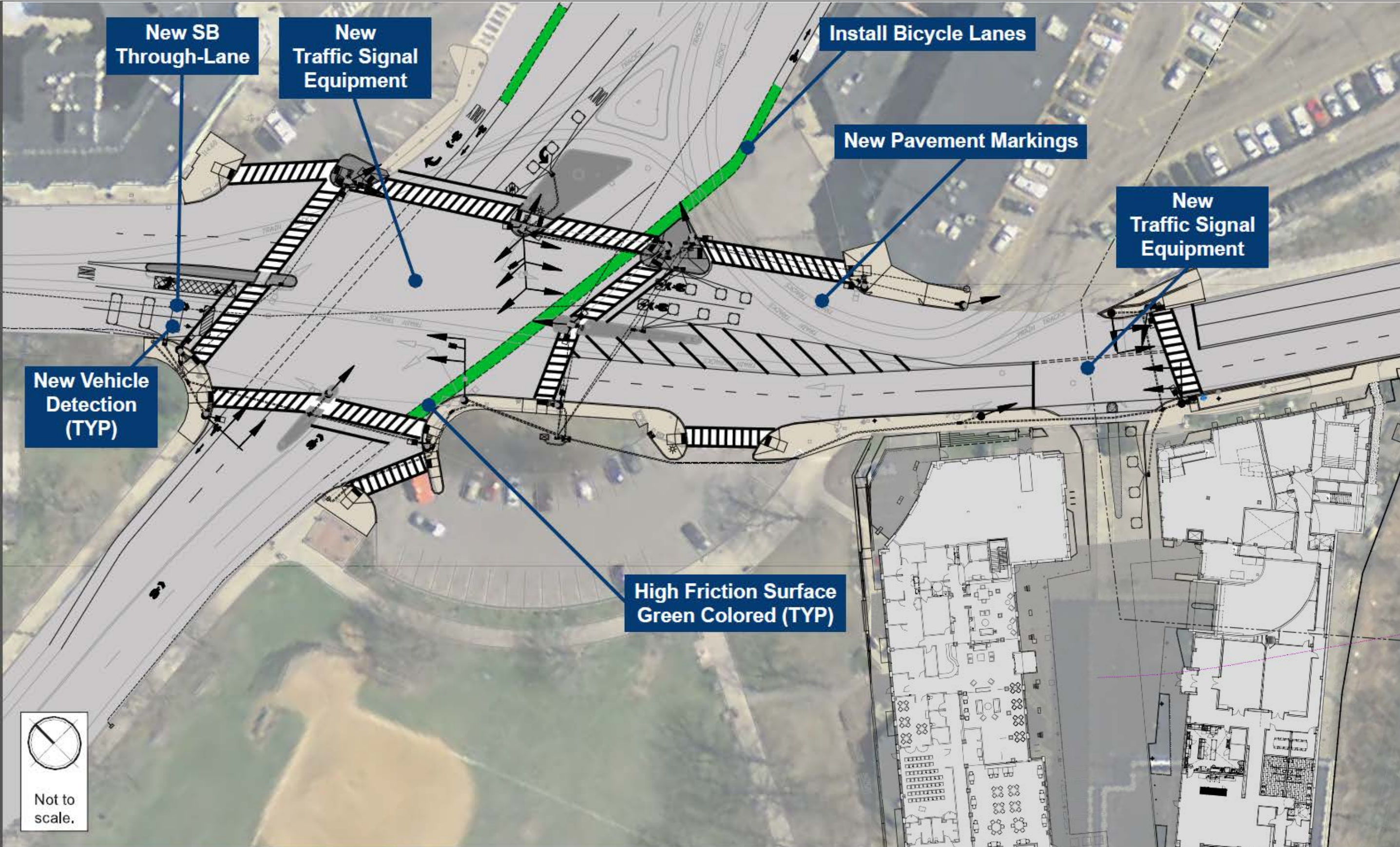


Figure 5 - Traffic Cabinet to be Retained



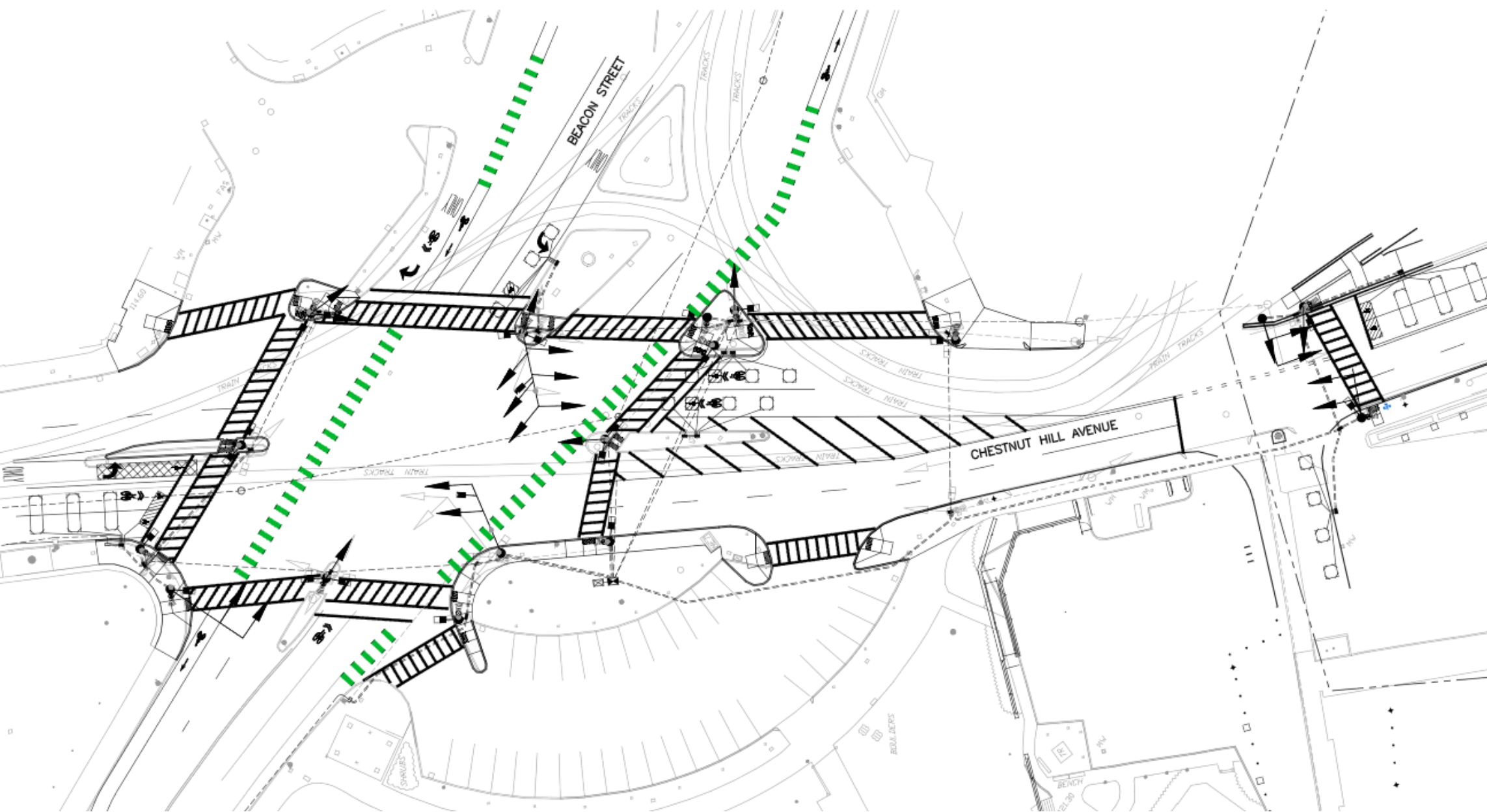
Figure 6 - Control Cabinet (left) to be Replaced in Kind on Existing Foundation, Battery Backup (right) to be Retained

Off-Site Traffic Scope of Work



Off-Site Scope of Work

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■ Signals

- All New Signal Equipment
- *New Pedestrian Crossing at Project Site*

■ Pavement Markings

- Re-Stripe Markings
- Add Pedestrian Crossing

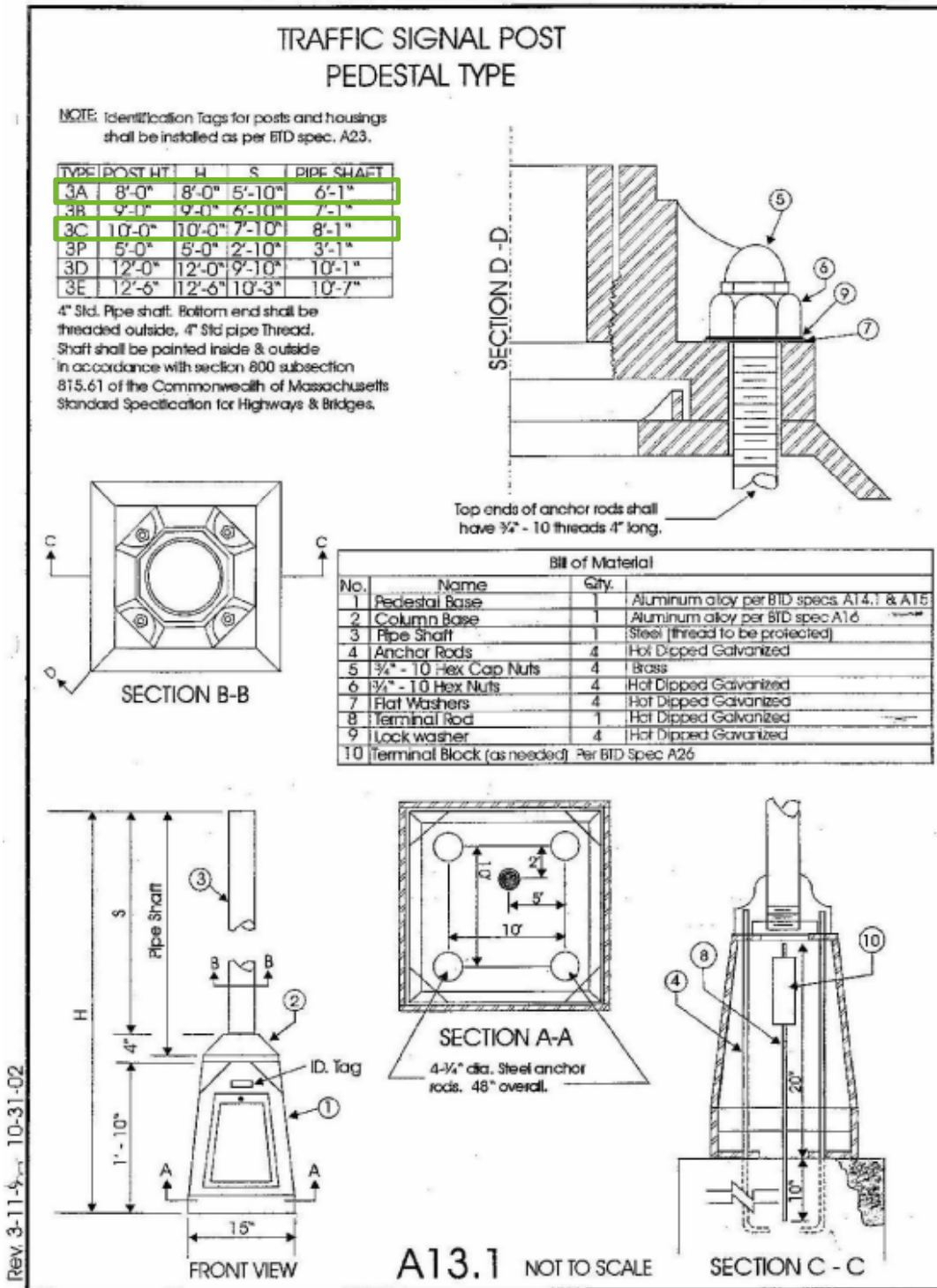
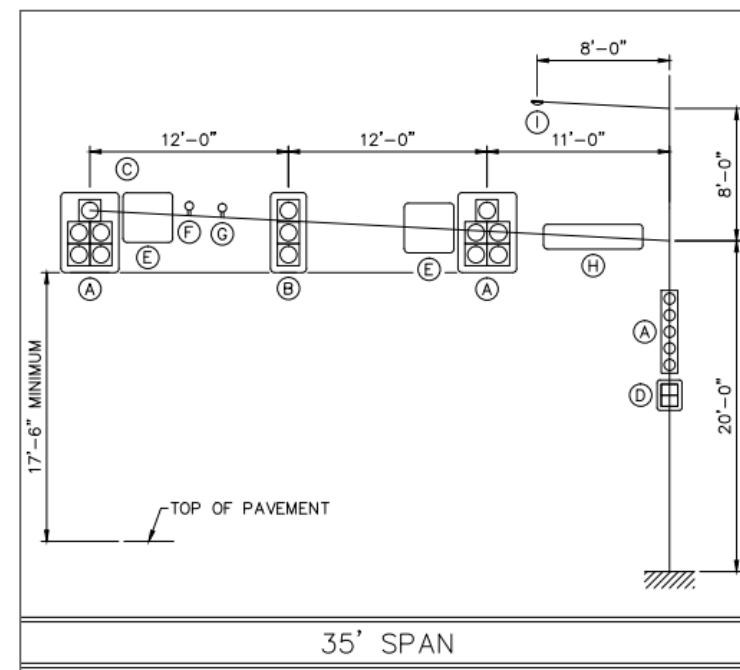
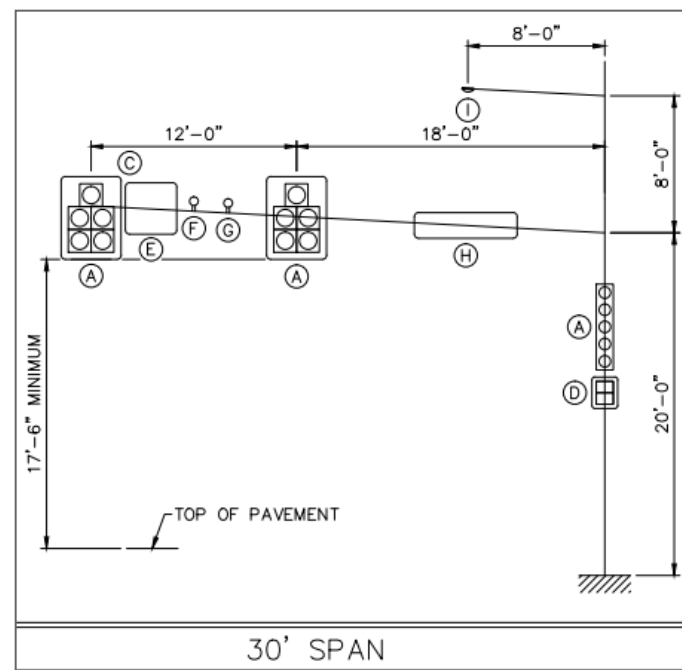
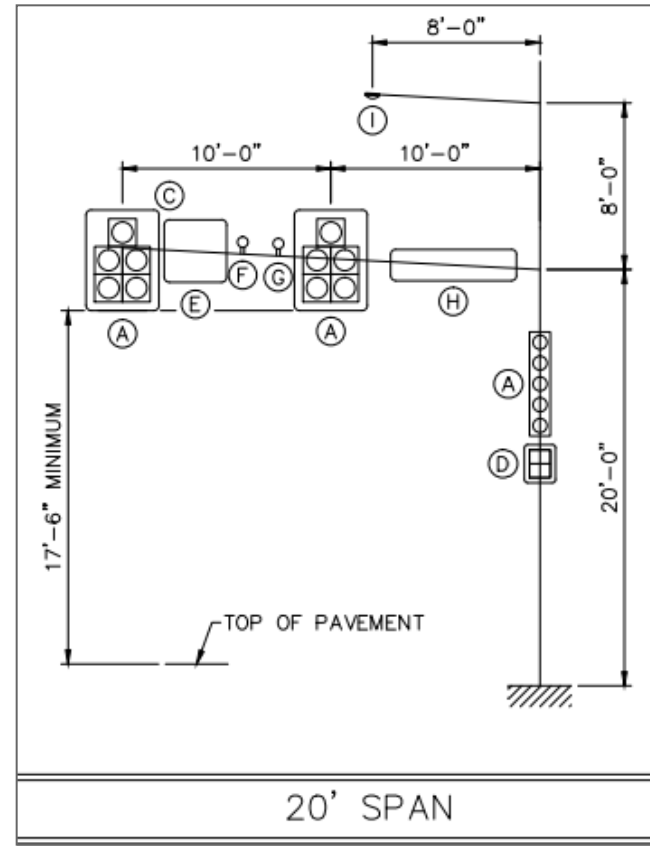
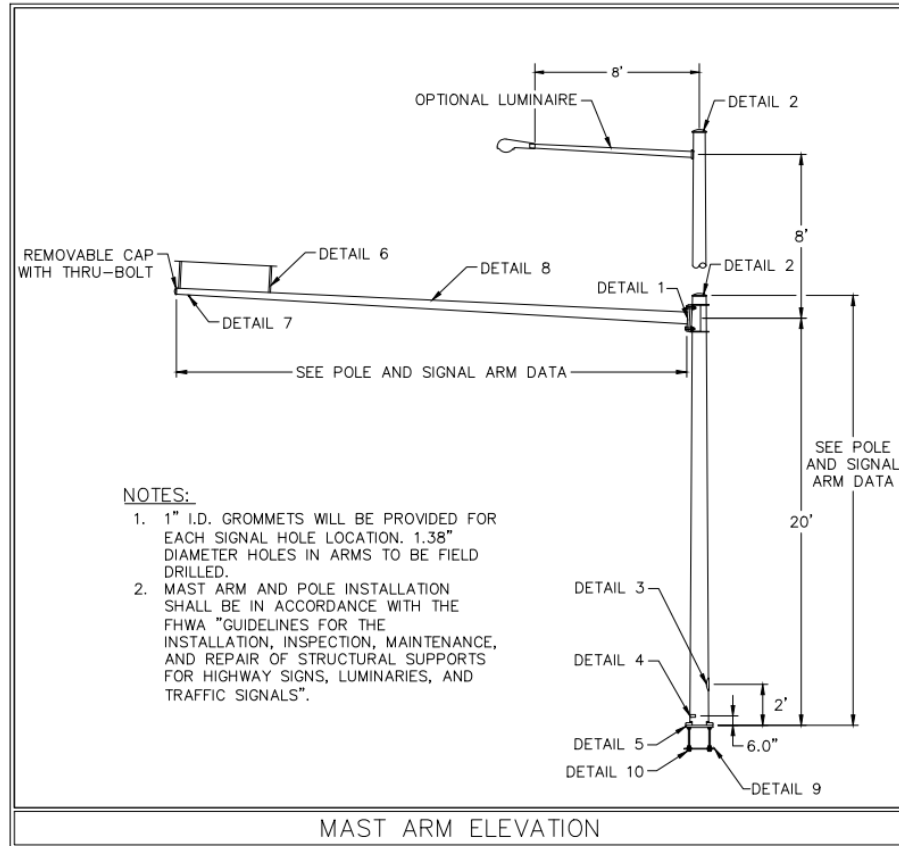
■ Construction

- ADA Ramps
- Reconstruct Sidewalks
- Improve Landscaping
- Relocate Existing Street Lighting

Proposed Equipment: Traffic Signals

MassDOT Overhead Signal Structure & Foundation Standard Details

BTD Standard Traffic Signal Post



Proposed Equipment: Wheelchair Ramp Detectable Warning Panel

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Existing



Proposed



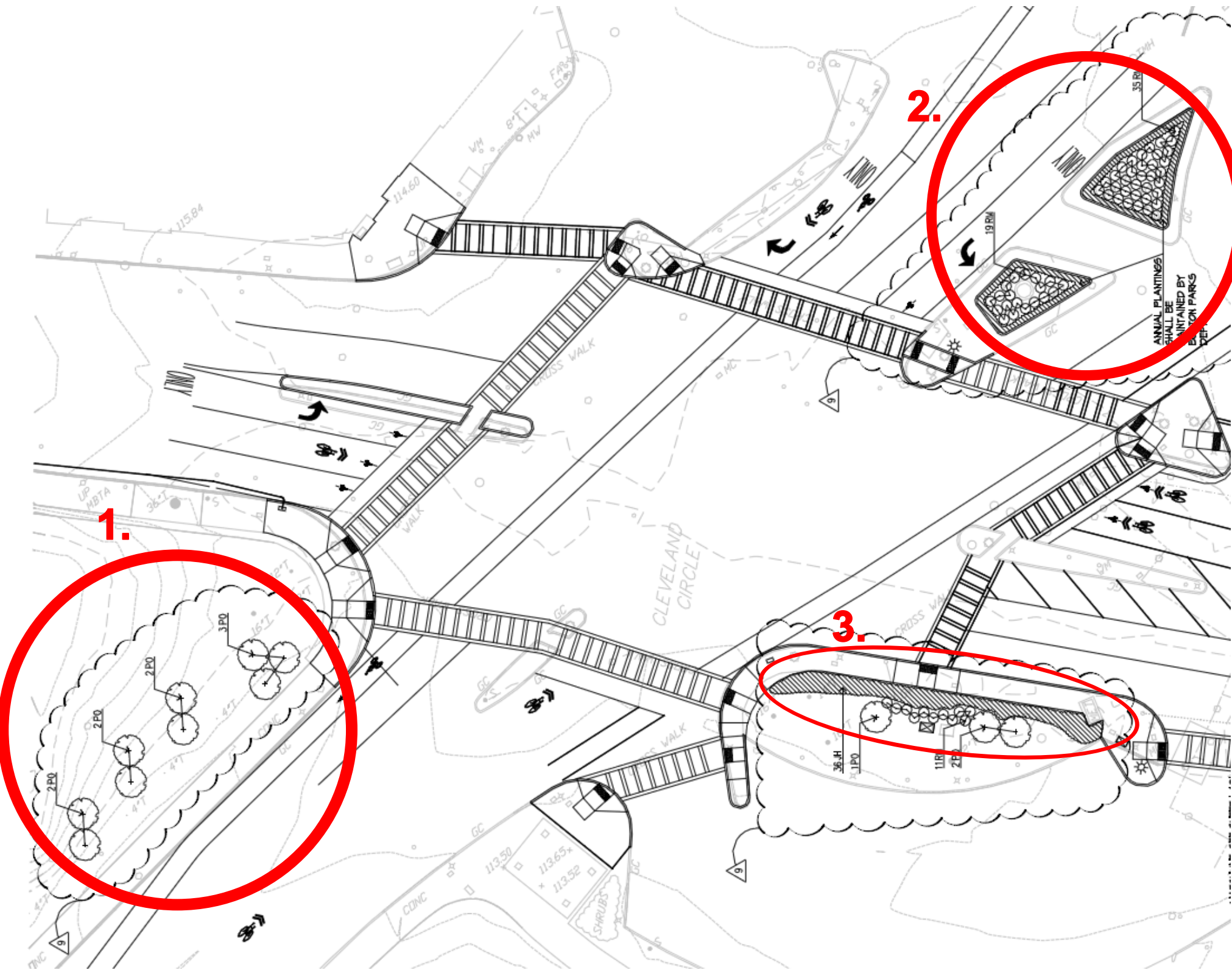
Dark Gray - Federal Color No. 36118

ADA PROWAG:

■ R 304.1.3 Contrast

- *Detectable warning surfaces shall contrast visually with adjacent gutter, street or highway, or walkway surfaces, either light-on-dark or dark-on-light.*

Landscape Improvements at Cleveland Circle



1. Deciduous Trees
2. Groundcover/Perennials and Shrubs
3. Groundcover/Perennials, Shrubs and Deciduous Trees

■ Design

- BTD
 - *Current: 100% Plans Submitted*
 - *Upcoming: PS&E*
- PIC
 - *Approved: Curb, Sidewalk and Wheelchair Ramp Improvements*
- MWRA
 - *Approved: Proposed Equipment Locations in Relation to MWRA Water and Sewer*
- MAAB
 - *Approved: Wheelchair Ramp Variance of MBTA Reservoir T Station Ramp at Chestnut Hill Ave*
- MBTA
 - *Approved: Proposed Equipment Locations in Relation to MBTA Owned Equipment*

■ Construction

- Current
 - *Building Construction Underway*
 - *Off-Site Test Pits and Underground Conduit Investigation Complete*
 - *Off-Site Improvement Construction Underway*

Questions?

