

DISTRICT DEPARTMENT OF TRANSPORTATION

Broad Branch & Spring Valley Stormwater Retrofit Project Updates

**DDOT Project Managers:
Morvarid Ganjalizadeh
Eric Schwartz**

Feedback from community

1. Facilities impact on parking
2. Facilities length
3. Safety concerns regarding placing facilities in areas without sidewalk
4. Facilities near residents with disability
5. Community members concerns about maintenance

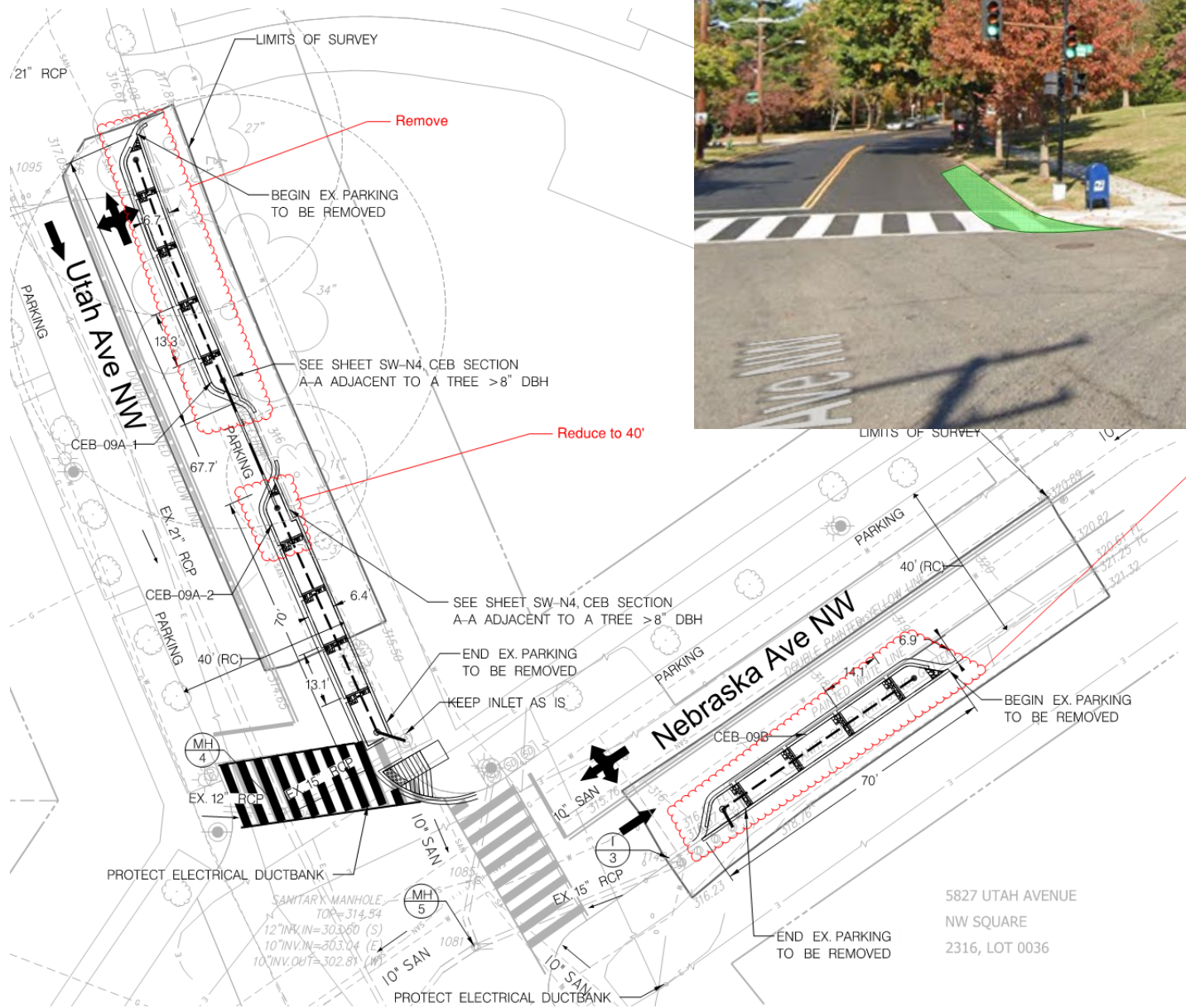
Design changes following public comment

1. No facilities are greater than 40' in length (except adjacent to natural land)
2. No more than one (1) facility is proposed per block
3. Locations prioritized at intersections to minimize parking impacts and improve road safety
4. There is no facility blocking the full frontage of any resident's property
5. Low maintenance plantings are proposed in bioretentions-2 years warranty
6. Number of facilities removed:
 - 16 from Broad Branch: 67 to 51 (24%)
 - Broad Branch length reduction: 40%

Example of Bioretentions curb extension



Examples:



Episcopal Center for Children (ECC):
 Removed 2 of 3 facilities, and reduced remaining facility to 40' length

Original Design:
 Parking Removal: 177' (9 spaces)
Revised Design:
 Parking Removal: 24' (1 space)
 Total Length of facility Removed: 153'

5827 UTAH AVENUE
 NW SQUARE
 2316, LOT 0036

Examples:

Chevy Chase Pkwy NW:

Removed 2 facilities, and reduced remaining facility to 40' length

Original Design:

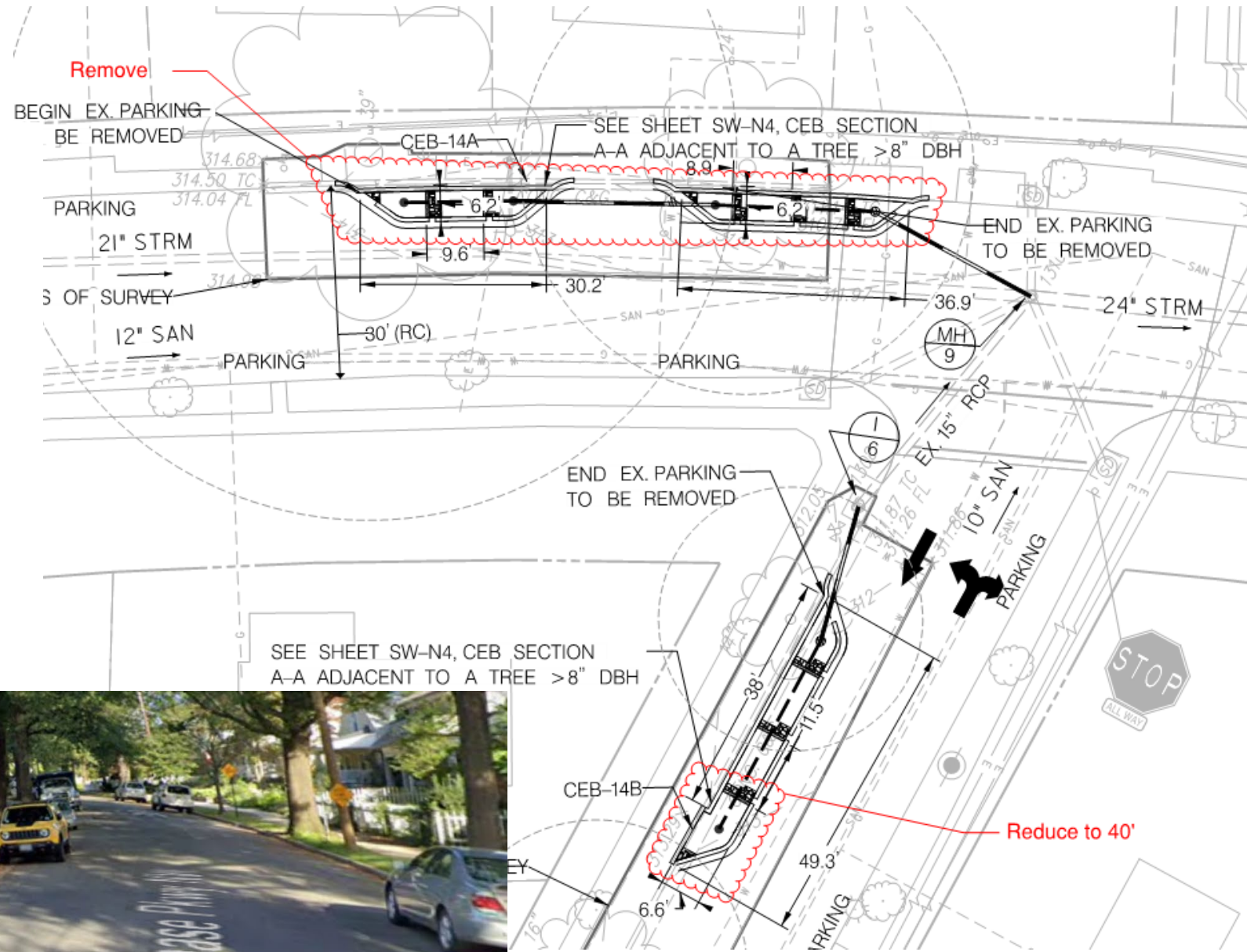
Parking Removal: 116' (6 spaces)

Revised Design:

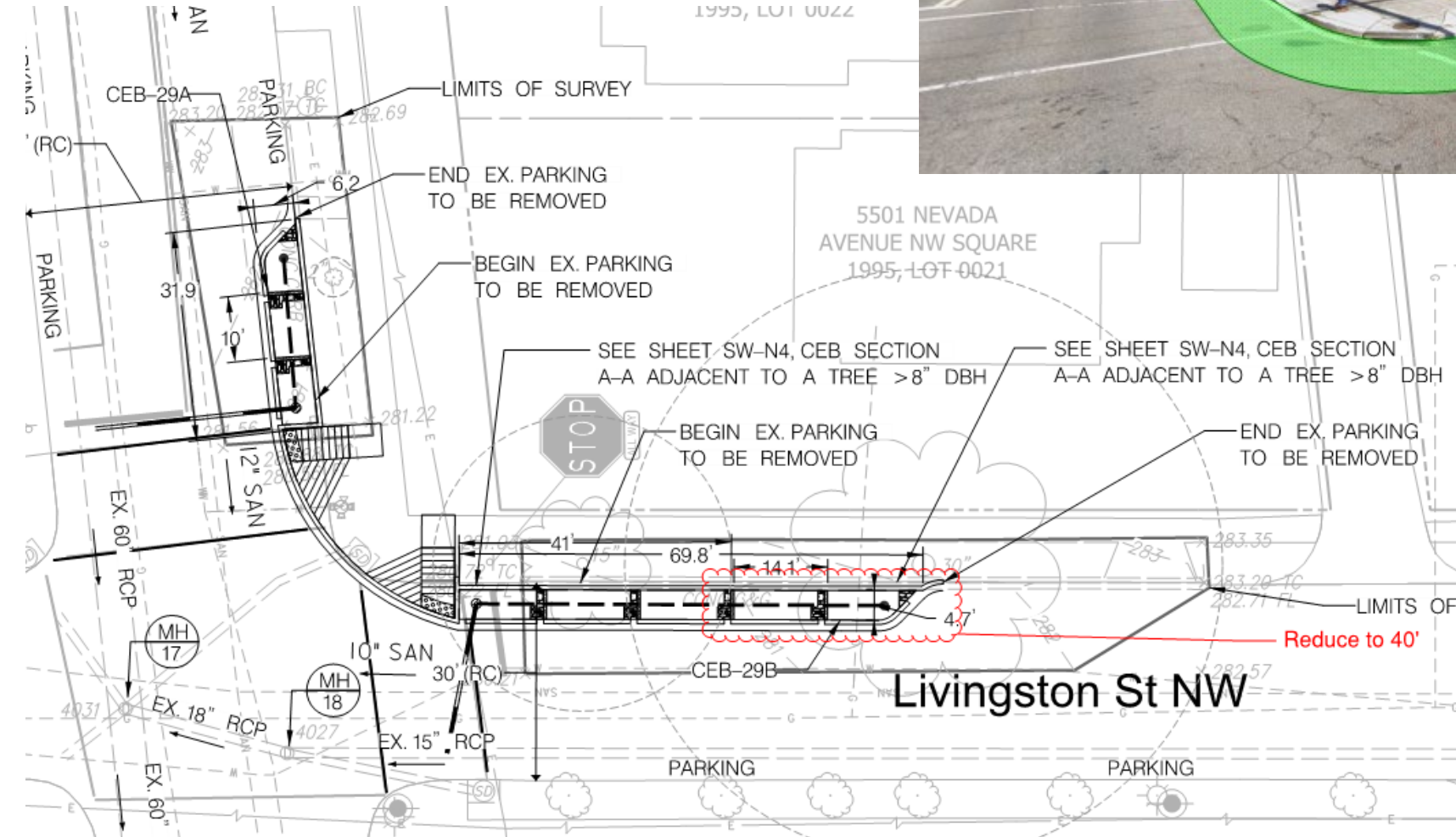
Parking Removal: 40' (2 spaces)

Total Length of facility Removed: 76'

*Facility cannot be moved to intersection due to vehicle maneuverability and existing hydrant



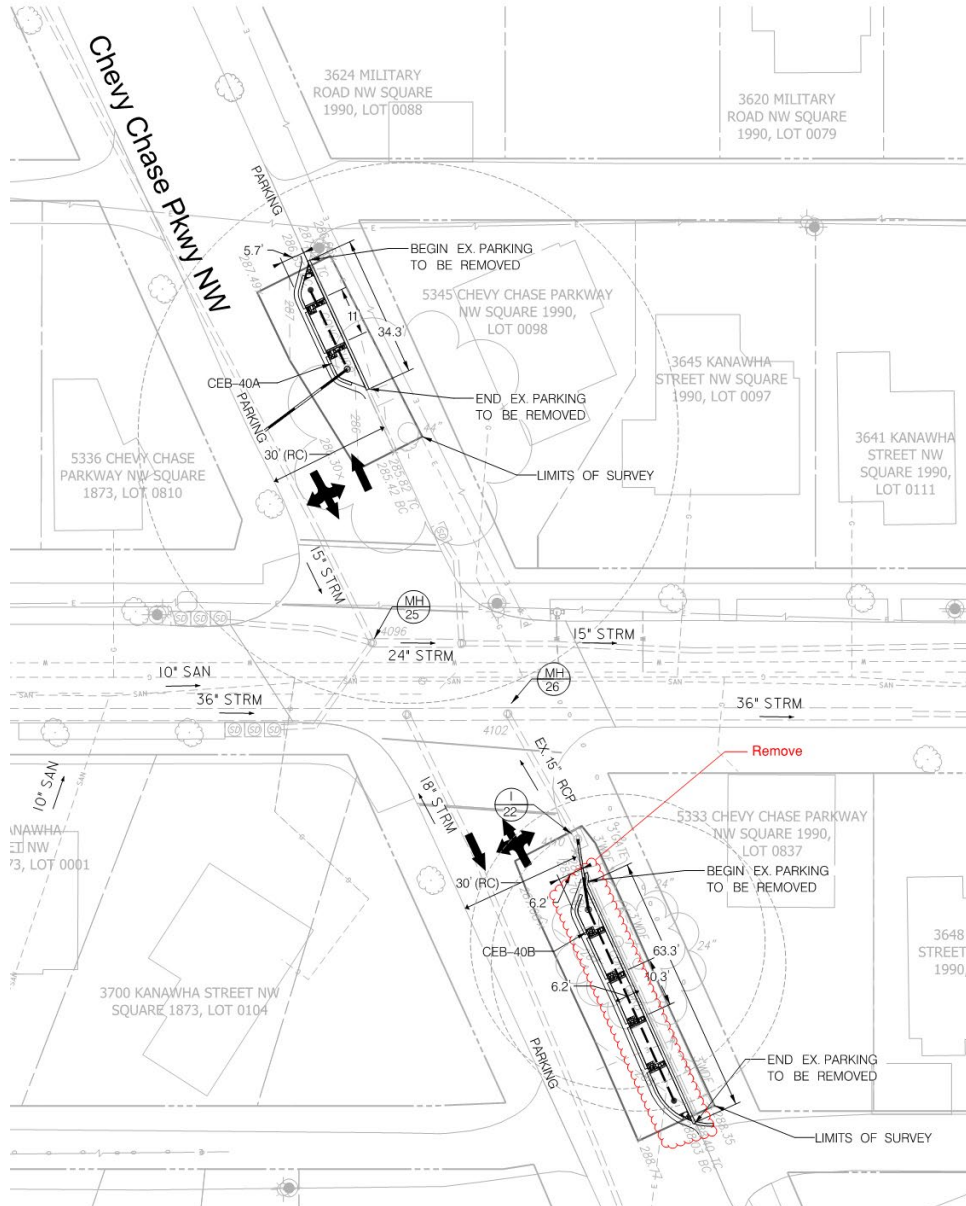
Examples:



Nevada Ave & Livingston St NW:
 Reduced facility to 40' length on each corner to improve safety and minimize parking impact

Original Design:
 Parking Removal: 51' (2 spaces)
Revised Design:
 Parking Removal: 20' (1 spaces)
 Total Length of facility Removed: 31'

Examples:



Chevy Chase Pkwy & Kanawha St NW:

Removed facility south of Kanawha to reduce excessive parking impact in one area

Original Design:

Parking Removal: 82' (4 spaces)

Revised Design:

Parking Removal: 29' (1 space)

Total Length of facility Removed: 53'



Bioretention Maintenance

	Maintenance Tasks	Frequency	Time of Year / Timing
Initial Tasks during Establishment (first three years)	Within 6 months following construction, the practice and drainage area should be inspected after storm events that exceed 1/2 inch of rainfall.	Twice after installation	Following storm events that exceed 1/2 inch of rainfall
	Remove stakes, wires, and tags	One time	6 months after planting
	Water plants – initial three years	Weekly during first 2-3 months after installation, and when rainfall is less than 1 inch per week	April-October
	Spot fertilization	One time as needed in First-second year of installation	Early spring
Routine Inspection	<ul style="list-style-type: none"> Conduct a maintenance inspection Check curb cuts and inlets for accumulated grit, leaves, and debris that may block inflow Identify maintenance tasks needed Look for erosion, bare areas, and where mulch needs to be applied 	Quarterly	
Routine Maintenance	<ul style="list-style-type: none"> Spot weed Adjust mulch as needed to ensure full cover Remove trash and animal waste Remove any dead or diseased plants Remove sediment in pretreatment cells and inflow points Mow grass filter strips and bioretention with turf cover 	Quarterly	March - November
	Mulch with 3 inches shredded hardwood mulch	Annually	February - April
As-Needed Maintenance	Prune trees and shrubs	As-needed	Feb-April and Sept-Nov as appropriate
	Water plants – after three years	Weekly during droughts (more than 2 weeks of no rain)	April-October
	<ul style="list-style-type: none"> Remove invasive plants using recommended control methods. Add planting to maintain desired vegetation density. Replace stone at curb cuts, inflow, weirs, & check dams Blow-off cleanouts using compressed air, high pressure water hose, or drain snake in practices that show evidence of clogged underdrain Stabilize the surrounding drainage area to prevent erosion 	As needed following Inspection	At appropriate time for disease or pest treatment.
			October-April per DDOT Std Specs
			November-March
As-needed			
Remove and replace the mulch layer	Once every 3 years	Feb-April	



District Department of Transportation

250 M St SE | Washington, DC 20003 | 202.673.6813