

5. SUSTAINABILITY STRATEGIES

c. Sustainability Implementation Plan









This sustainability implementation strategy is built around the District's "Sustainable DC Plan." Strategies include:

- a. Net Zero Energy by 2030*
- b. Net Positive Energy by 2040*
- c. Creating a Comprehensive Sustainability Implementation Plan*
- d. Committing to Silver LEED-ND*
- e. Utilizing Sustainable Practices During Construction*
- f. Creating a Modular Energy Centers Plan*
- g. Creating an Environmentally Sensitive Storm Water Management Plan*

5 key aspects:

1. **Energy:** Incorporates efficiency and renewable energy throughout.
2. **Transportation:** Encourage use of mass transit, electric vehicles, bikes, etc. to reduce vehicle miles traveled.
3. **Waste:** 20% reuse of construction and demolition waste and an 80% diversion rate for waste through recycling, composting and conversion.
4. **Water:** Green roofs, bio-swales, permeable pavement, rain water harvesting and low flow fixtures.
5. **Materials:** Maximize the use of recycled and sustainable building material.

-  The ecology of the site will be enhanced with the additional open spaces and connections to the region.
-  Sustainable strategies for water management and re-use will be incorporated in the sustainability implementation plan.
-  Strategies will be incorporated to achieve net-zero energy by 2030 and net-positive energy by 2040.
-  Multiple modes of transportation will be available for residents and visitors.
-  Sustainable economic benefits by promoting local and regional growth and a green economy.
-  Sustainable measures and goals, such as carbon neutrality, will result in a healthy environment.

6. PARKING

a. Shared Parking Areas

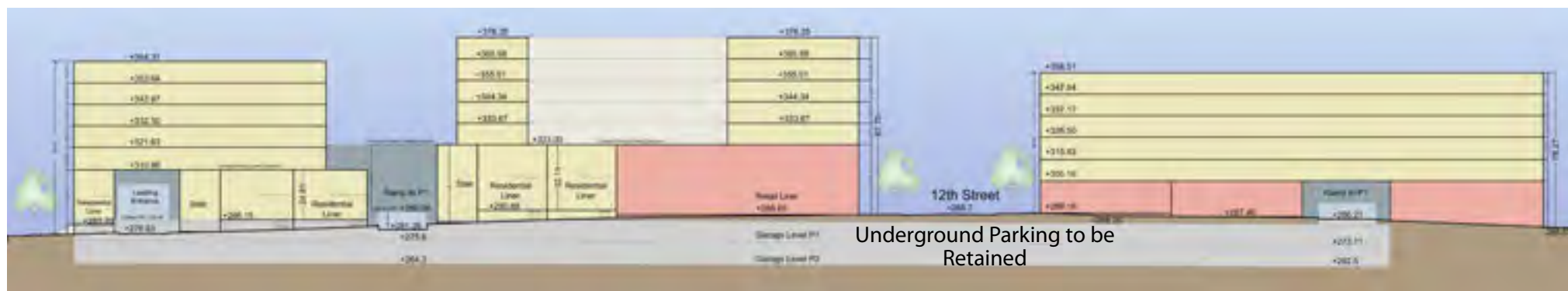
b. Underground Parking Locations





Parking Area	Parking Spaces Required	Parking Spaces Provided
1	48	34 Spaces in Garage 14 Spaces On-street 48 SPACES TOTAL
2	1,588	1,100 in Existing Garage 425 Spaces in new Garages 63 Spaces On-street 1,588 SPACES TOTAL
3	401	450 in Existing Garage 450 Spaces Total
4	267	200 Spaces in Garage 38 Spaces On-street 29 on Surface Parking Lot 267 spaces Total
5	93	93 Spaces in Garage 93 Spaces Total
6	55	55 Spaces in Garage 55 Spaces Total
7	174	145 Spaces in Garage 29 Spaces On-street 174 Spaces Total
Total	2,626	2,675



A convenient, cost effective, and environmentally sustainable parking strategy is integral to the successful realization of the vision. The strategy includes the following:

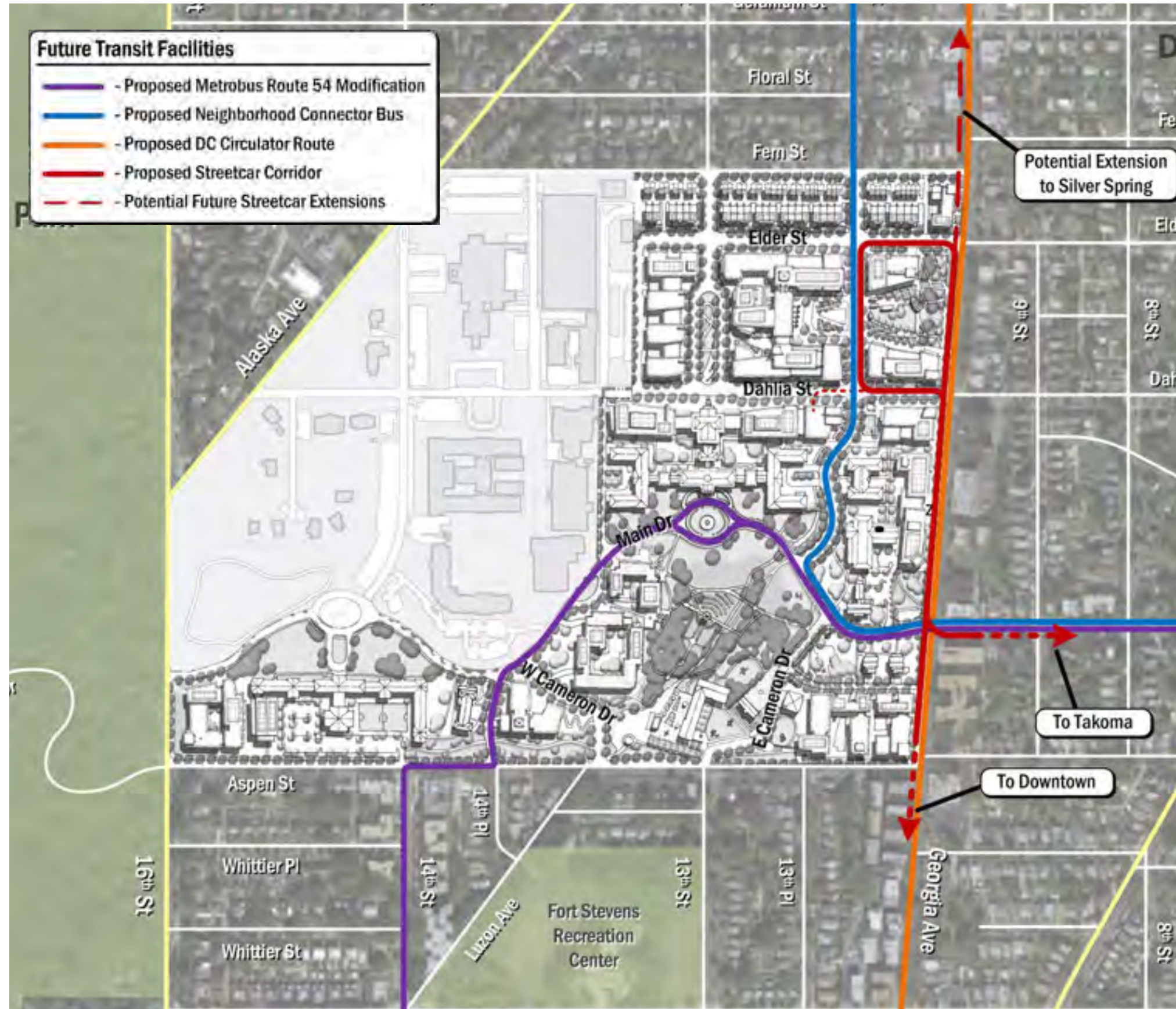
- Creating shared parking areas and a “park once” strategy to minimize waste and promote walking.
- Providing strategically located underground parking to minimize walk distances.
- Re-using the existing underground garages both as a sustainable strategy and to minimize costs.



-  Retaining parking structures will save resources.
-  Car trips will be reduced by providing parking in strategic locations where people can park their car once and walk to different uses.
-  Retaining existing parking structures will be cost effective for the redevelopment of the campus.
-  The “park once” strategy promotes walkability and healthy habits.




7. TRANSPORTATION

b. Modified Bus Routes



An efficient and multi-modal transportation strategy ensures the availability of environmentally sustainable modes of transportation and promotes health. Strategies include:

- Promotion of highly efficient and electric vehicles, alternative fuels, and alternative modes of transportation.*
- Working with WMATA to modify bus route locations through the site.*
- Working with Capital Bikeshare to identify bike share station locations.*
- Ensuring pedestrian use by establishing vibrant and sustainable public spaces, complete streets, and a trail system.*
- Installing electric vehicle charging stations at various locations.*

-  Promotion of green energy consumption through the installation of electric vehicle charging stations.
-  Provision of multiple modes of transportation.
-  Promotion of healthy habits such as walking and biking.