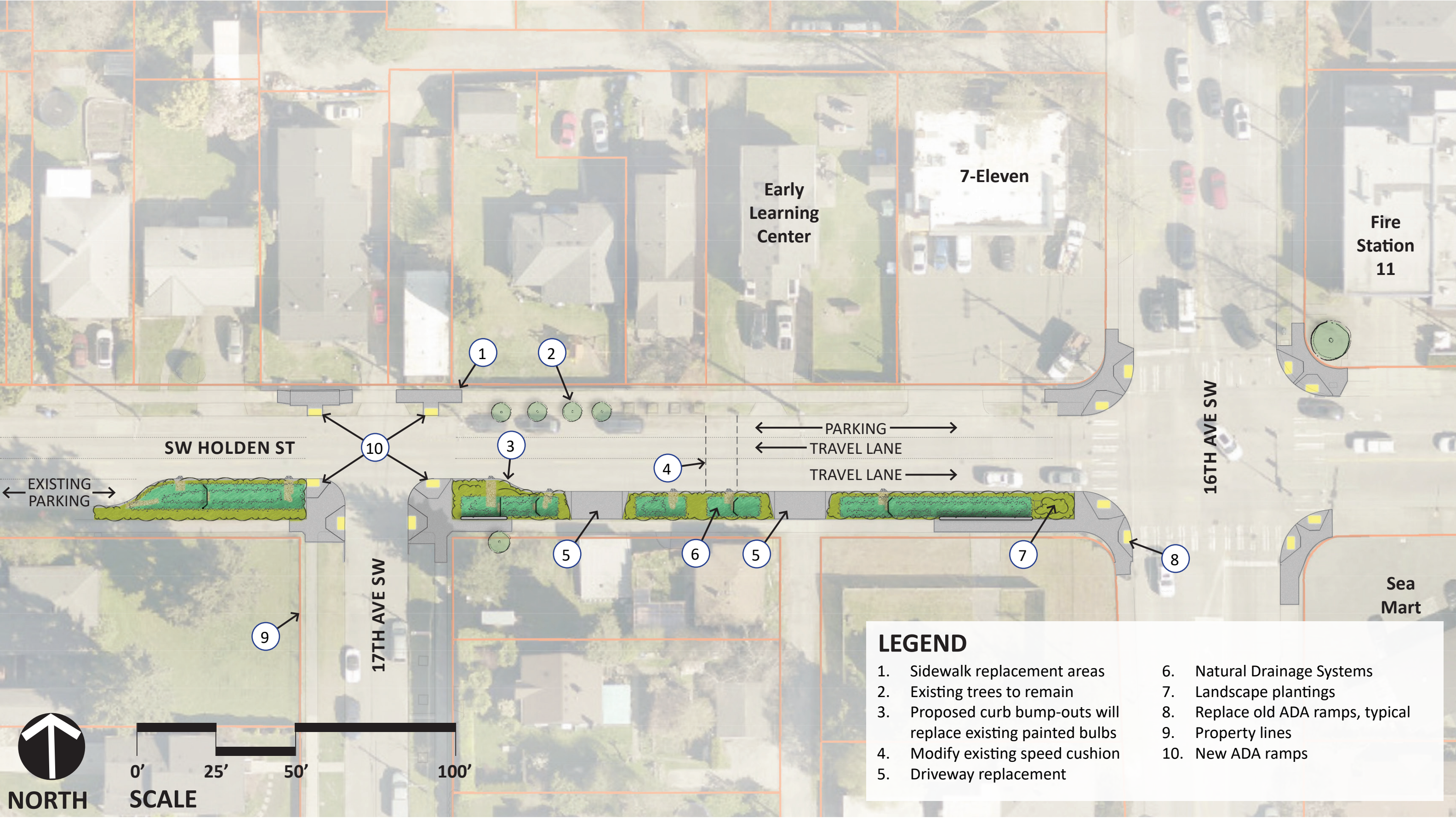
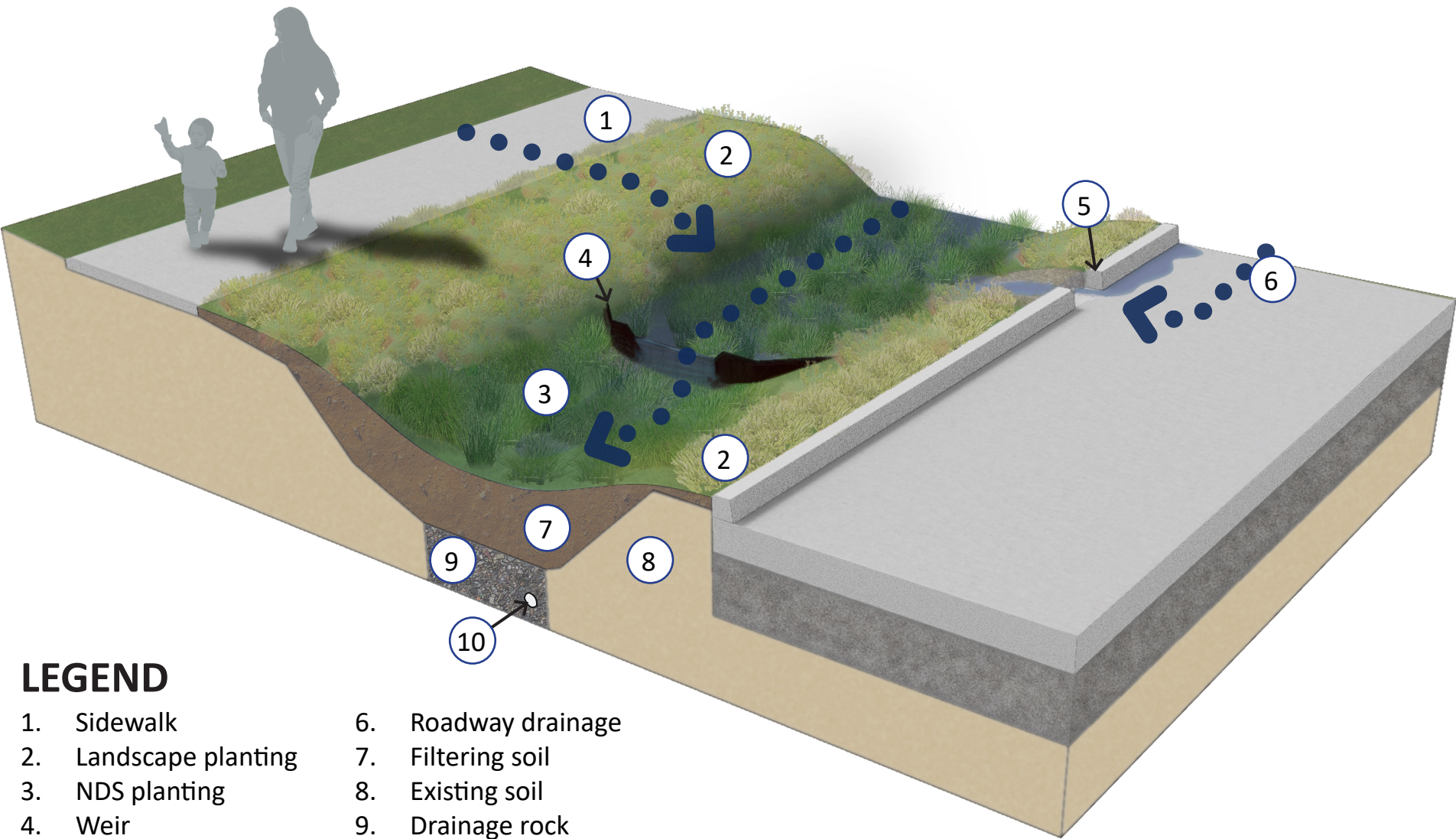


NATURAL DRAINAGE SYSTEM (NDS): PLAN



NATURAL DRAINAGE SYSTEM (NDS): 3D DRAINAGE DIAGRAM

Storm water from streets and sidewalks enters the Natural Drainage System. Deep-rooted plants and spongy soils temporarily hold and clean polluted storm water from streets and sidewalks



LEGEND

- | | |
|-----------------------|---------------------|
| 1. Sidewalk | 6. Roadway drainage |
| 2. Landscape planting | 7. Filtering soil |
| 3. NDS planting | 8. Existing soil |
| 4. Weir | 9. Drainage rock |
| 5. Curb cut | 10. Underdrain |

STAY IN TOUCH

SPU is in the design phase of this project. We're happy to answer questions and provide additional information about the project, including its impacts and benefits to your neighborhood. Please visit the website below to sign up for project updates.

Contact: Wan-Yee Kuo, Senior Project Manager
Email: Wan-Yee.Kuo@seattle.gov
Phone: (206) 684-3957
Visit: www.seattle.gov/utilities/HoldenNDS



PLANT PALETTE

Selected plants represent a mix of native and ornamental species that are adapted to Natural Drainage System environments and align with the SPU Stormwater Manual's guidelines.

NDS Planting



Iris douglasiana
Douglas Iris



Juncus effusus 'Quartz Creek'
Soft Rush



Carex elata 'Bowels Golden'
Gold Sedge

Landscape Planting



Arctostaphylos x media
Hybrid Manzanita

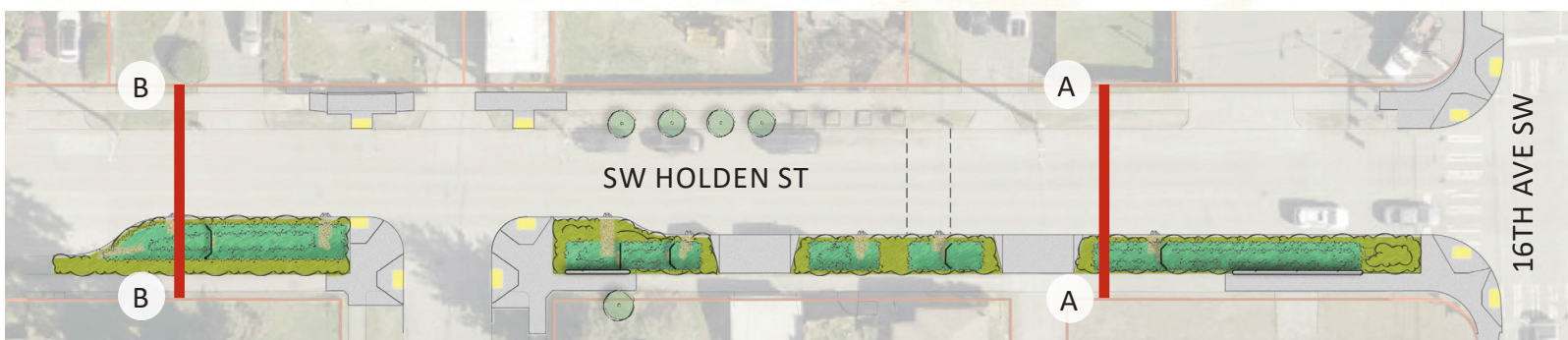
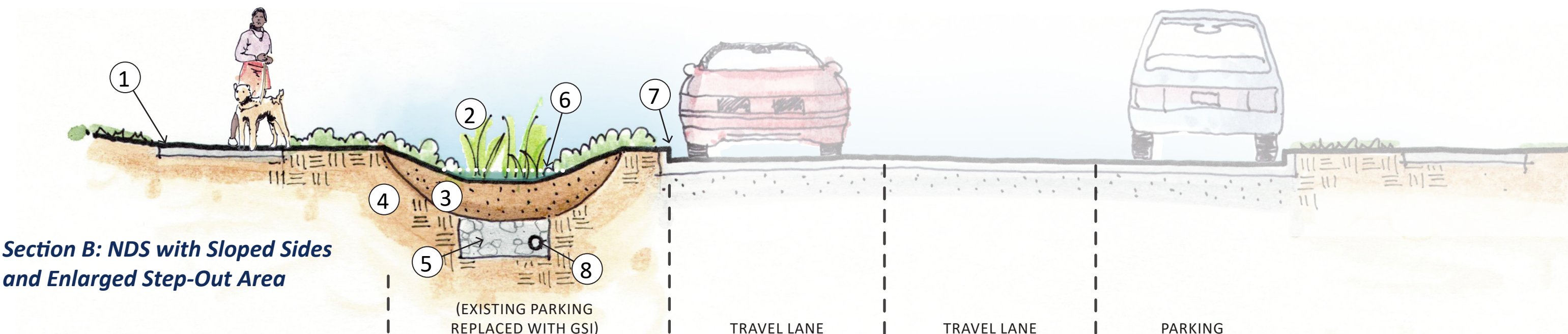
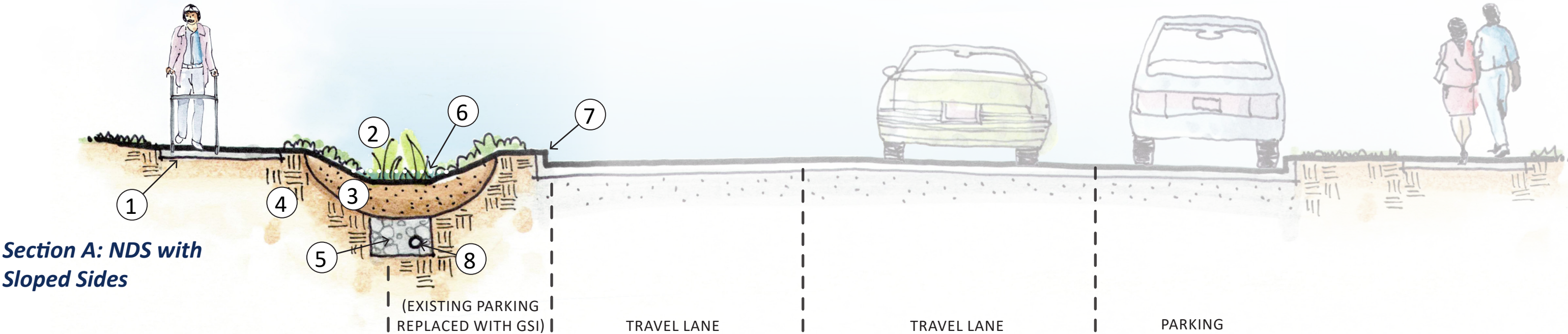


Helianthemum 'Henfield Brilliant'
Sun Rose



Geranium macrorrhizum
Hardy Geranium

NATURAL DRAINAGE SYSTEM (NDS): SECTIONS

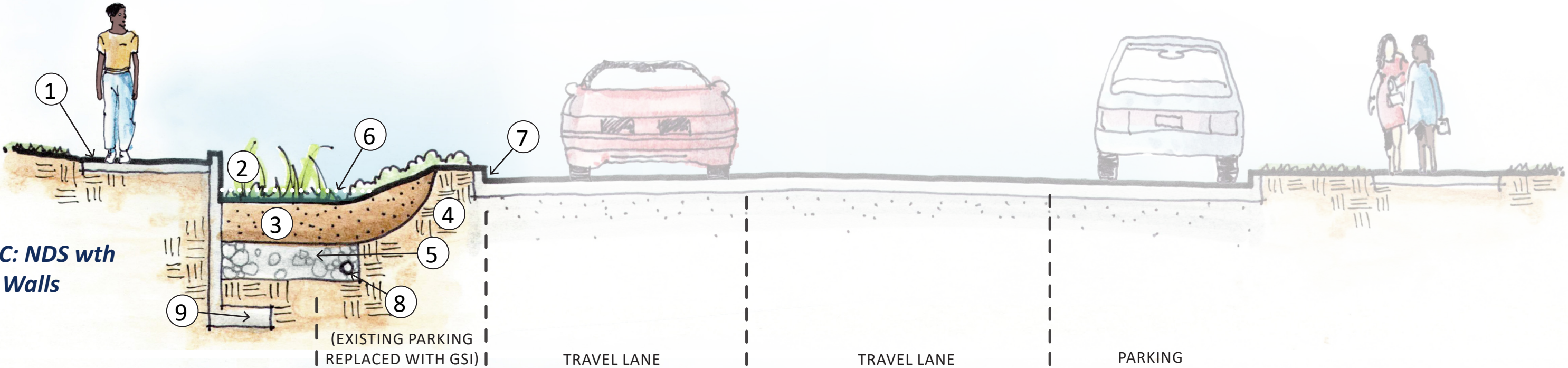


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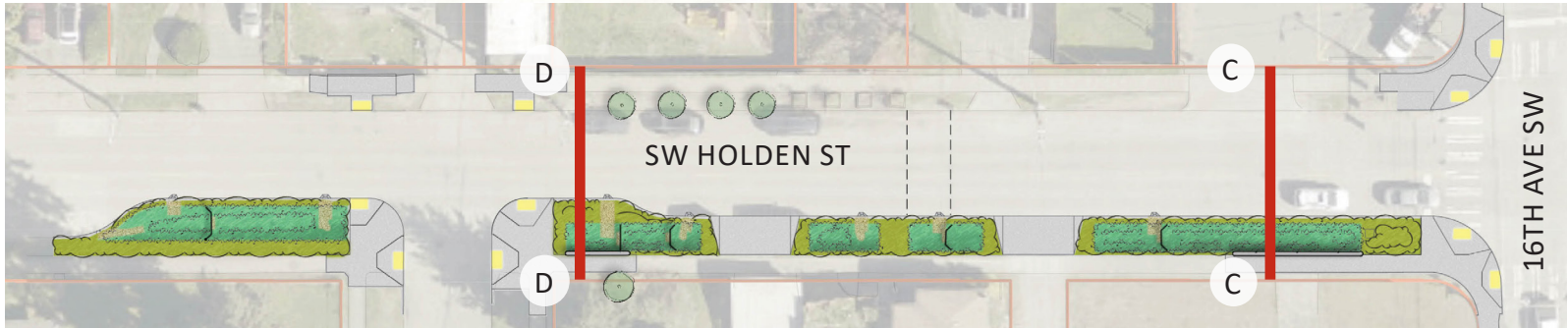
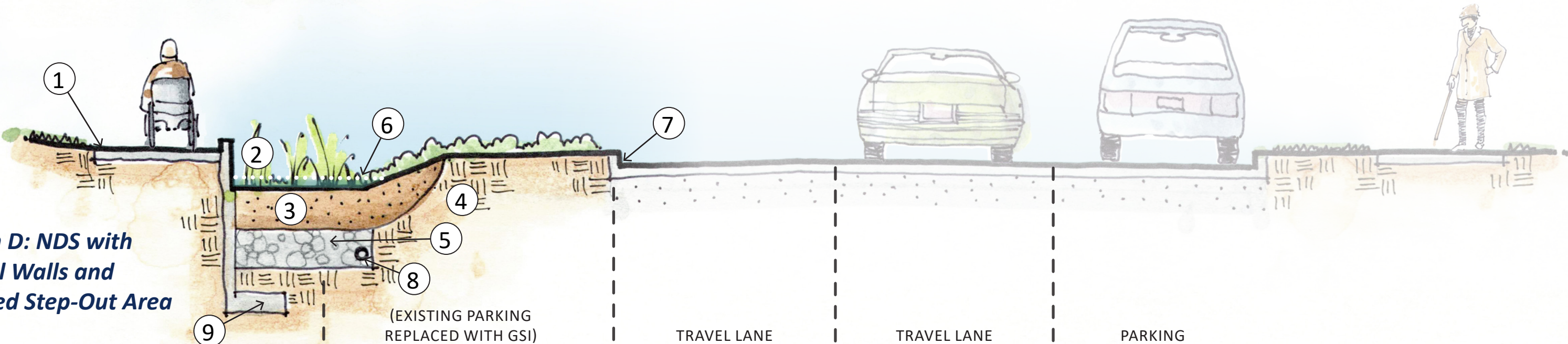
- | | | | |
|----|----------------|----|--|
| 1. | Sidewalk | 6. | Typical temporary ponding depth (typically drains within 24 hours) |
| 2. | NDS planting | 7. | Curb and roadway |
| 3. | Filtering soil | 8. | Underdrain |
| 4. | Existing soil | | |
| 5. | Drainage rock | | |

NATURAL DRAINAGE SYSTEM (NDS): SECTIONS

Section C: NDS with Vertical Walls



Section D: NDS with Vertical Walls and Enlarged Step-Out Area



LEGEND

- | | | | |
|----|----------------|----|--|
| 1. | Sidewalk | 6. | Typical temporary ponding depth (typically drains within 24 hours) |
| 2. | NDS planting | 7. | Curb and roadway |
| 3. | Filtering soil | 8. | Underdrain |
| 4. | Existing soil | 9. | Vertical retaining wall & footing |
| 5. | Drainage rock | | |