Interesting LID Applications

- Norfolk Corps – Wetland Protection
- EPA Region I - Hydrology TMDL
- Washington DC – CSO control
- Phase II VA – City of Warsaw, VA
- Watershed restoration Rappahannock
- NRDC / NHAB
- Anacostia LID Restoration
- California Water Boards
- Across the Country “Everyone” Likes It

Washington DC

Pilot Projects

- Willard Park Parking Area
- Power Plant Parking Lot
- Street Tree Filters
- Street Sweeping Demonstration
- Roof Leader Disconnect
- Museum Bioretention Retrofit
- Inlet Floatables Removal
- Inlet Timing Project
- Inlet Ponding Modification
- Permeable Pavers Installation

Navy Yard LID Retrofits

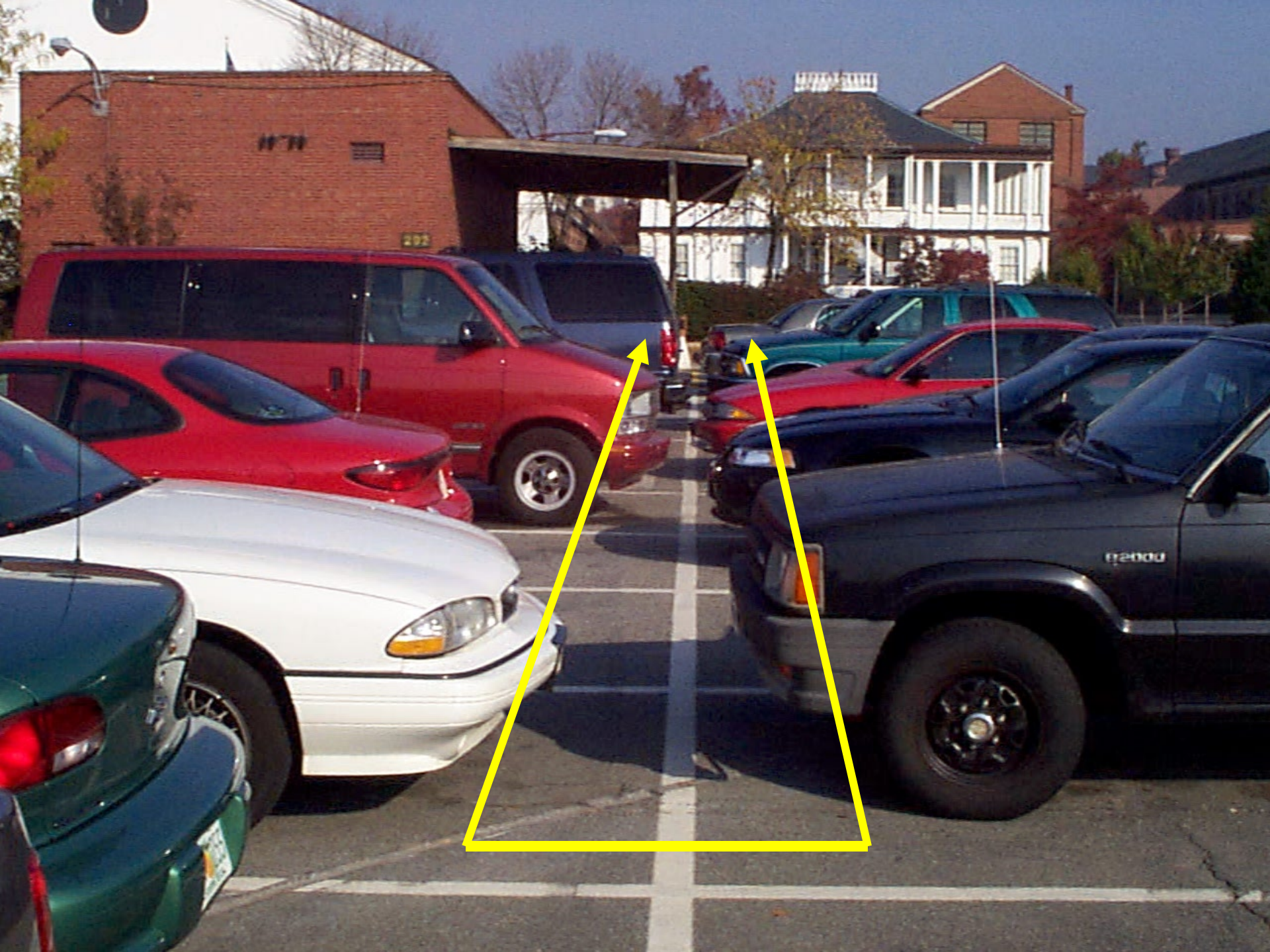
CAUTION

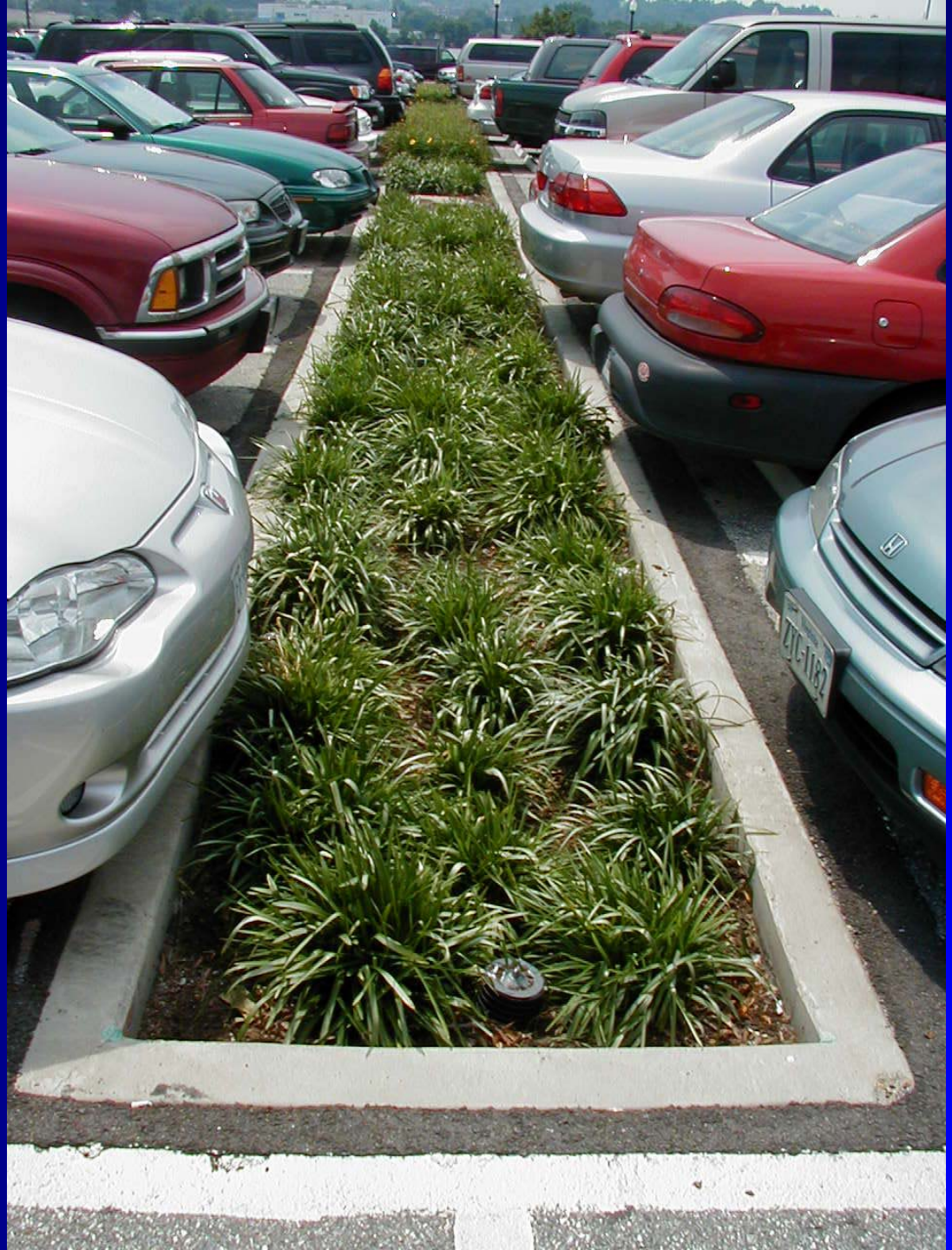
Porous Pavers
Capturing Roof Runoff

Building 166 Permeable Pavement

36
22

NAVAL CRIMINAL
INVESTIGATIVE SERVICE
GULF COAST
FIELD OFFICE
BUS
PARKING
ONLY





Filterra – Advanced
Bioretention System

Navy Yard Tree box

Navy Yard Tree box

Functional Landscape

“SEA” Street

Seattle, WA

SEA Streets - After Construction
2nd Ave NW - NW 117th St to NW 120th St

Fat Street

Skinny Street with Fat Person

Maximized space for filtration, recharge and landscape elements

Ford Rouge Center
Dearborn, Michigan

Ford Rouge Center 1952

Artist Richard Rochon's rendering of an aerial view of the Ford Rouge Center that includes the new Ford assembly plant.

Ford Rouge 2003

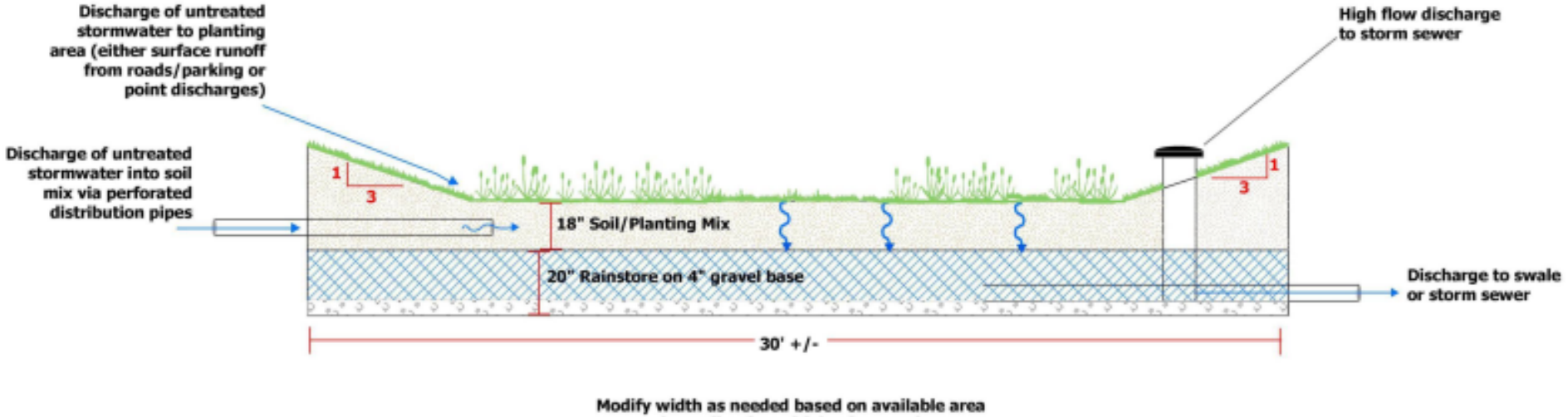
porous asphalt
standard asphalt

water quality swales

Vegetated Infiltration Swale

Stormwater surface storage and infiltration through vegetated layer and planting layer for water quality treatment

Conceptual only: drawing not to scale



Modify width as needed based on available area and coordination with landscape plan.

NOTE: Rainstore system can serve as cistern for irrigation needs as desired.

Vegetated swale near
Visitor's Center

Ford Rouge Assembly Building

-World's largest green roof – 10.4 ac

1: Porous pavement w/ subsurface storage

2: 10.4 ac of green roof

3: Porous pavement w/ infiltration

4: Vegetated water quality swales

Highway Medians