

Southeast Louisiana Drainage Project Orleans Parish



Dwyer Road Subbasin Landscape Development

March 24, 2015



®

US Army Corps of Engineers
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Meeting Purpose

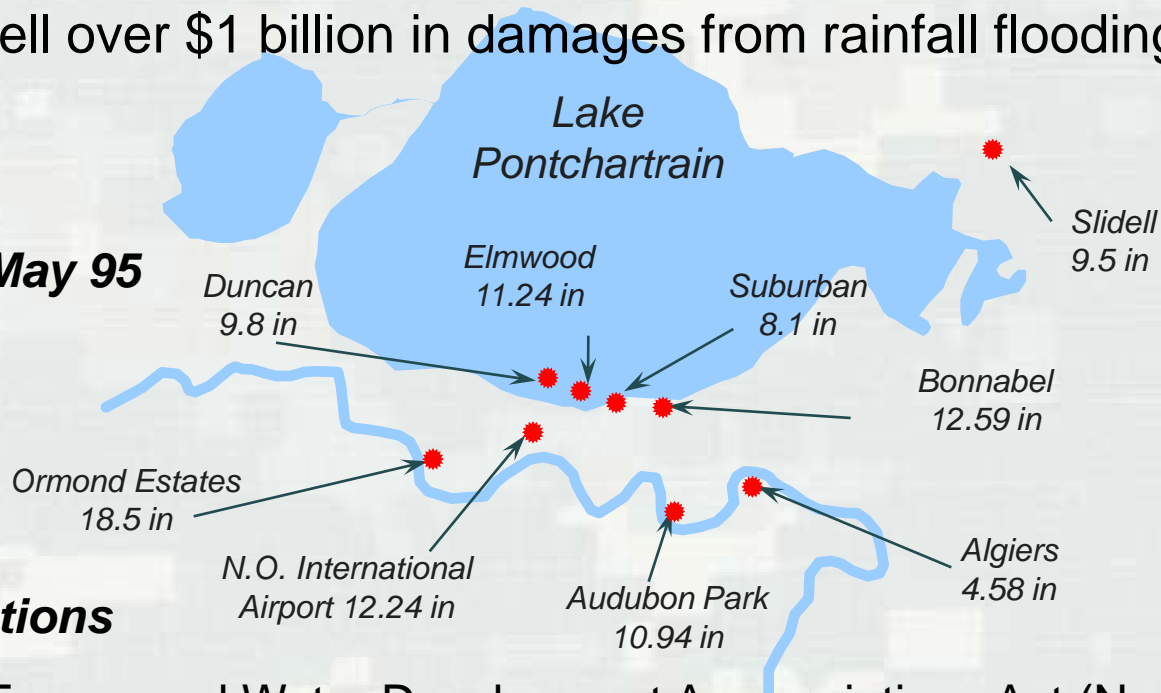
- Overview of Southeast Louisiana Project
- Drainage Improvements for the Dwyer Subbasin
- Post-construction landscape planning
- Obtain community input on landscape design



Flood Damages

- May 1995: 6-hour rainfall averaged 12 in
- Some locations up to 28 inches in the 24-hour period
- Since 1978, well over \$1 billion in damages from rainfall flooding

6-hr Rainfall--May 95

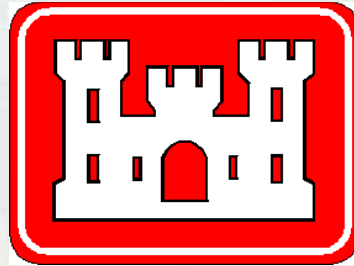


Congressional Actions

- Fiscal Year 1996 Energy and Water Development Appropriations Act (Nov '95)
- 1996 Water Resources Development Act (Oct '96)
- Department of Defense Appropriations Act, 2006; Supplemental Appropriations Act, 2008; Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009



Orleans Parish Projects



**Project Cooperation Agreement
between USACE and the Sewerage &
Water Board of New Orleans executed
January 23, 1997**



**Coastal Protection and
Restoration Authority of Louisiana**

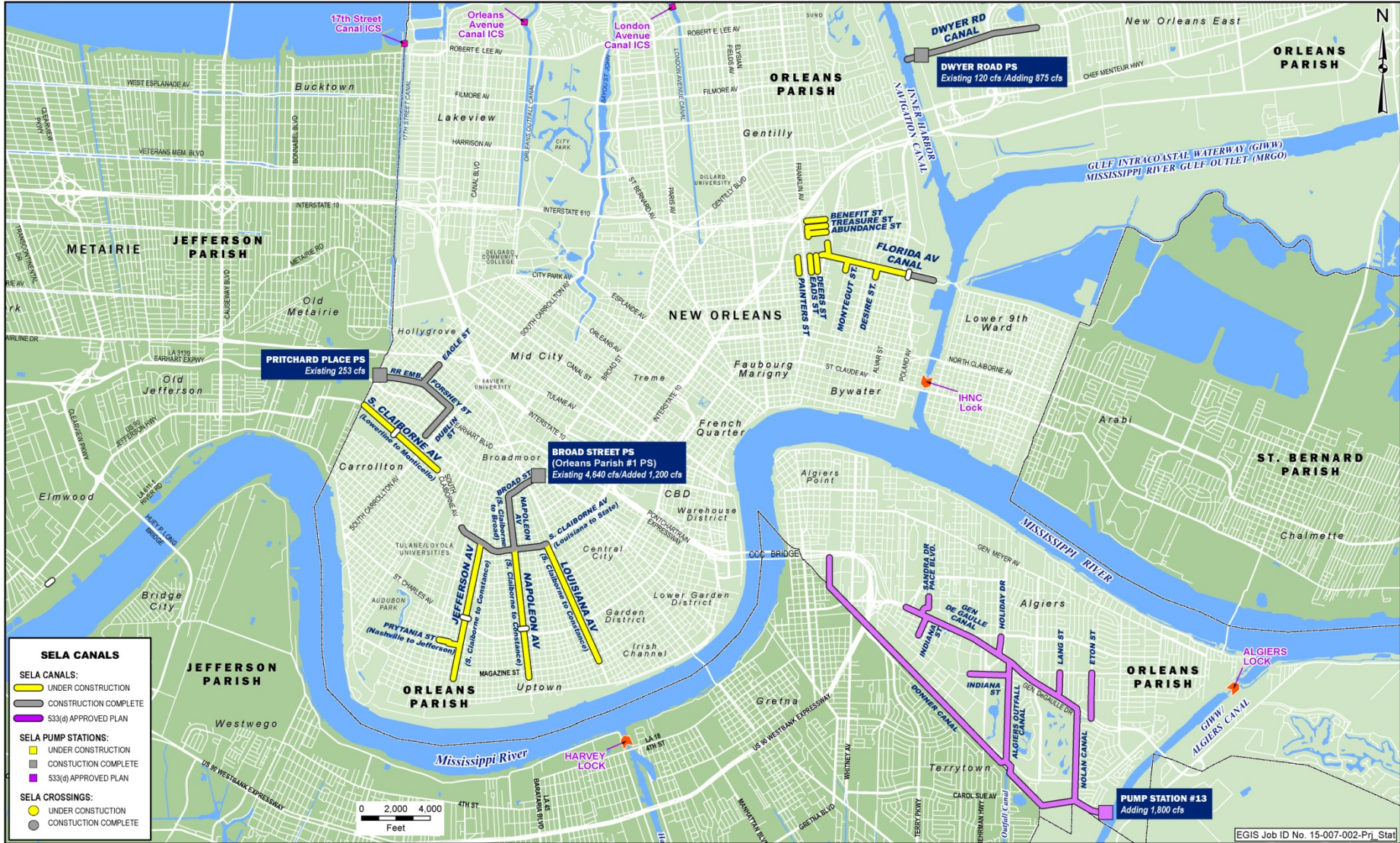
**Project Partnership Agreement
between USACE and CPRA executed
January 16, 2009**



Summary of Orleans Parish Improvements

- **\$1.4 billion in work authorized**
 - ▶ ***\$997M Federal***
 - ▶ ***\$407M non-Federal***
- Adding approximately 3,500 cfs to East Bank stations and 1,800 cfs to West Bank
- East Bank: 65,000 linear feet of canal improvements
- West Bank: 44,000 linear feet of canal improvements





Dwyer Subbasin Drainage Improvements

- **Dwyer Pumping Station** - completed January 2011
 - ▶ New 1050 cfs Pumping Station
- **Dwyer Outfall Canal** - completed August 2004
 - ▶ New 22-ft x 10-ft below ground canal from the Pump Station to the Industrial Canal
- **Dwyer Intake Canal** - completed October 2013
 - ▶ New below ground box culvert ranging in size from 10 ft x 10ft to 14 ft x 11 ft
 - ▶ Camelia Street to Dwyer Pump Station (approx 6,800 linear feet)

TOTAL CONSTRUCTION COST: \$91.7 Million



Dwyer Subbasin Drainage Improvements



Benefits:

- ▶ Provide flood risk reduction for a 10-year storm event
 - 3 inches 1st hour, 9 inches over a 24 hour period)
- ▶ Works in conjunction with existing drainage system



Dwyer Road

Community Communication

- **January 2009 kick-off:**
 - ▶ Neighborhoods Partnership Network, Melia and Rosedale Neighborhood representatives
 - Requested walking path for safe place to walk & exercise

- **Continued communication throughout drainage project:**
 - ▶ Pathway
 - ▶ Trees along pathway for community cohesion/beautification
 - ▶ Preserve and enhance scenic and aesthetic qualities



Dwyer Road Post Construction Landscape Planning



- **Design Considerations – site conditions:**
 - ▶ Below ground obstructions:
 - ▶ Two large drainage culverts (12 ft wide and 10 ft wide)
 - ▶ Limited cover prohibits large or medium trees
 - ▶ Above ground obstructions:
 - ▶ Overhead power lines & residential distribution lines prohibits planting of large trees



Dwyer Road Post Construction Landscape Planning

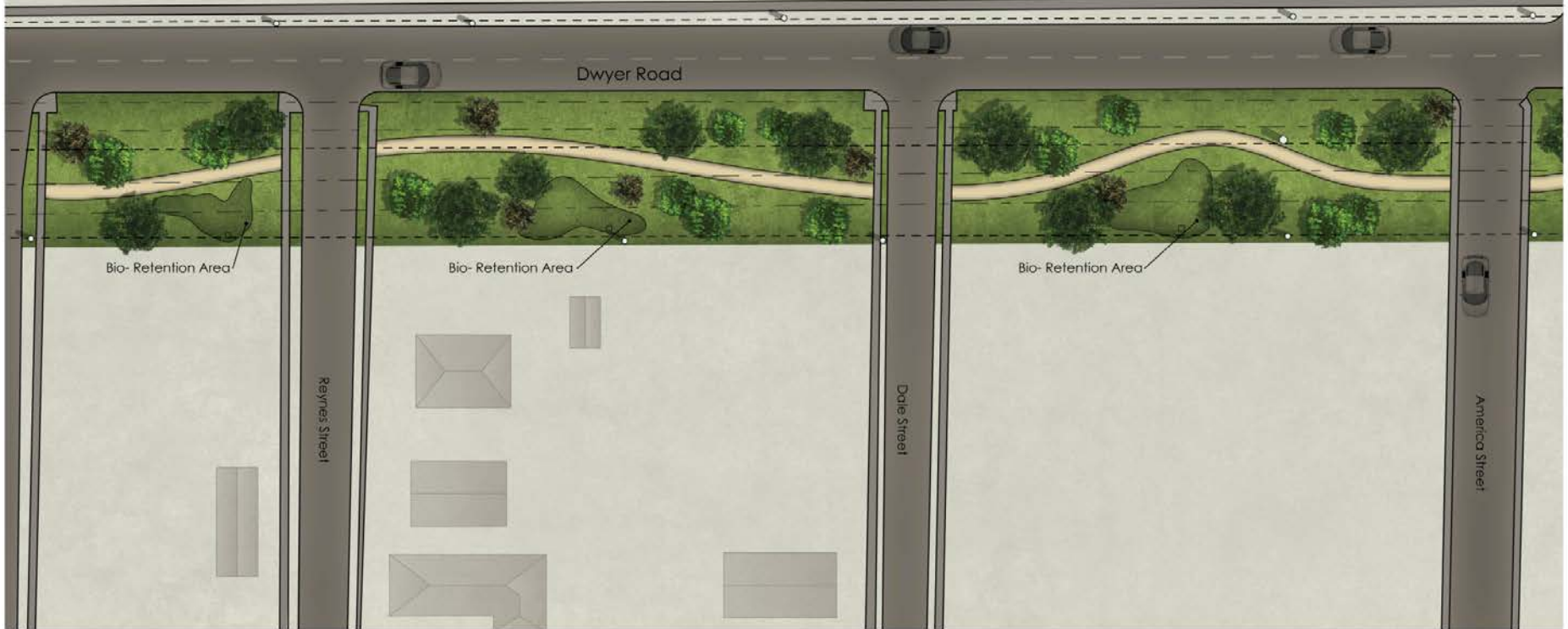
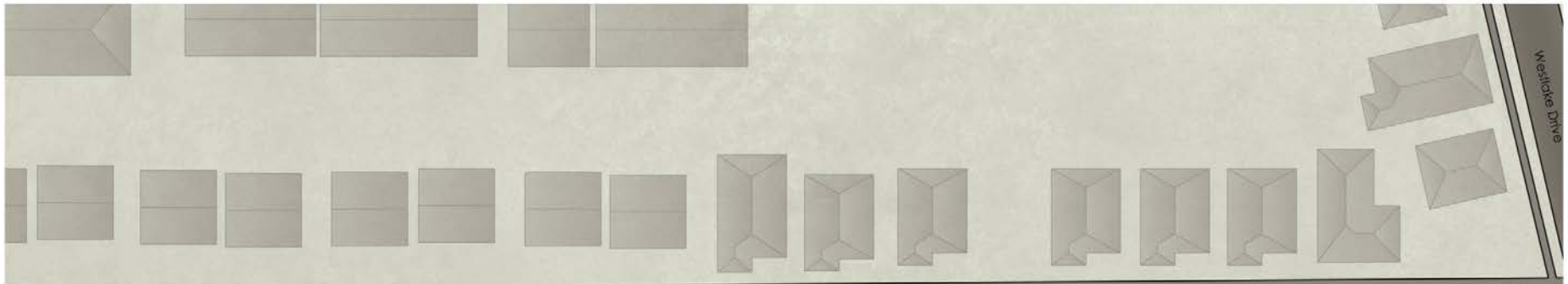
- **Design Considerations – site conditions:**
 - ▶ Compliance with City Planning, Parks and Parkways, and Department of Public Works
 - ▶ city ordinances and guides for planting
 - ▶ city's master plan for land use
 - ▶ Americans with disabilities act
 - ▶ Protection of existing infrastructure and public property
 - ▶ Coordination with city of New Orleans Parks and Parkways regarding picking a proper and suitable tree selection
 - pest issues, trimming requirements, hearty tree varieties, well suited for climate
 - ▶ Incorporate some native trees with ornamental trees



Dwyer Road Post Construction Community Input

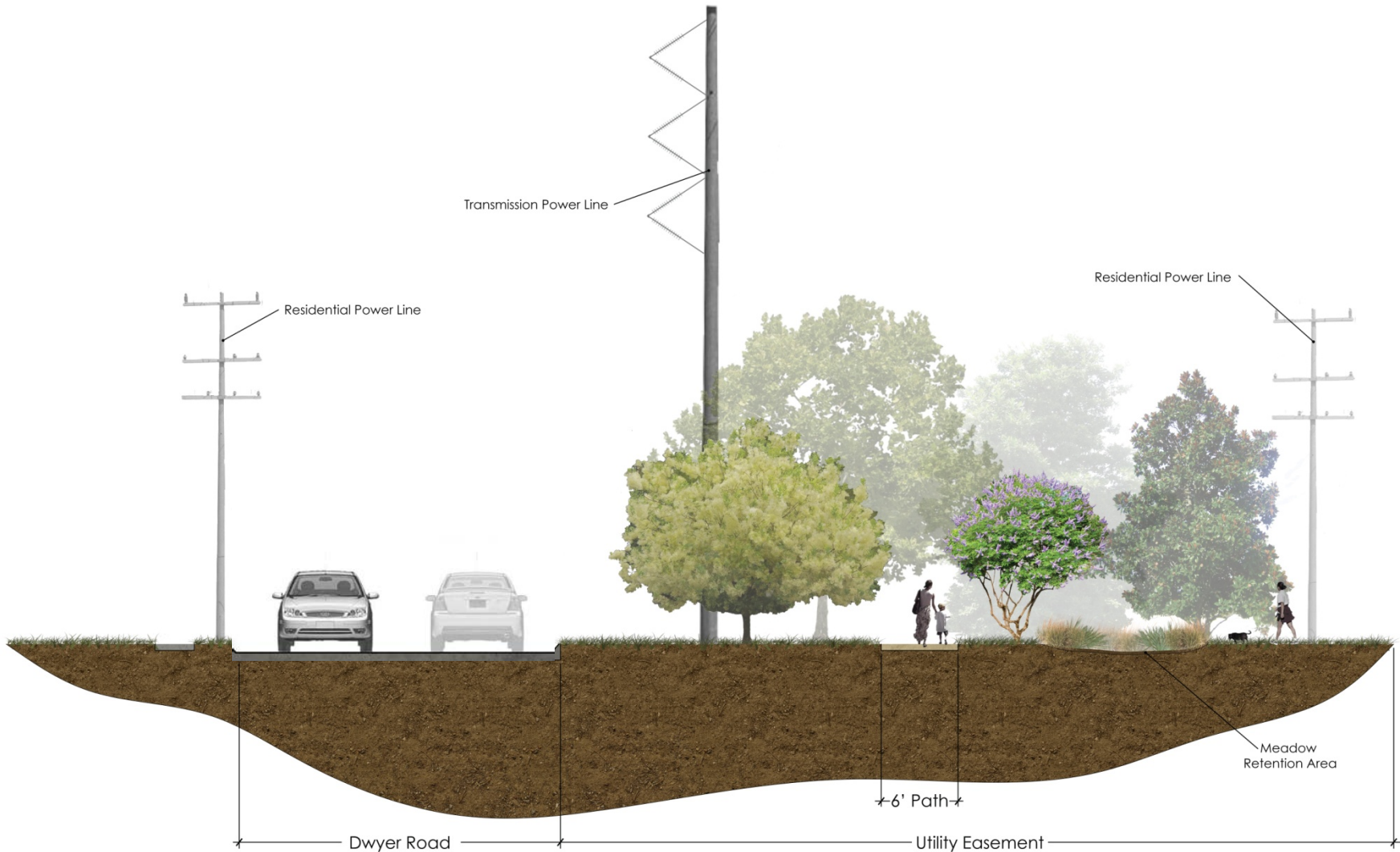
- **Preliminary Community Feedback:**
 - ▶ Pathway– curved walkway
 - ▶ Trees similar to those on Claiborne
 - ▶ Taller trees are not possible with site conditions – similar medium sized trees included in concept
 - ▶ Trees at corners should not block views and signage
 - ▶ Desire for benches – similar to Joe Brown
 - ▶ Will be incorporated





Dwyer Road Landscape Planning







Green Ash



Grancy Greybeard



Chinese Pistache



Spruce Pine



Bay Magnolia



Vitex



What is the next step?

- **Develop detailed Plans and Specifications:**
 - ▶ Specific trees will be determined based on design criteria in conjunction with the existing survey layout
 - ▶ Consider size – both height and canopy
 - ▶ Sustainability

- **Schedule for planting:**
 - ▶ Current schedule – planting early calendar year 2016



Open Discussion - Feedback

CONTACT INFORMATION:

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WEBSITES:

<http://www.mvn.usace.army.mil/>

www.swbno.org/work_drainageSELA.asp

