

# CONCEPTS FOR LANDSCAPE IMPROVEMENTS

PREPARED FOR

THE POLK COUNTY APPEARANCE COMMISSION

## POLK COUNTY ENTRIES



INNOCENTI & WEBEL  
ARCHITECTS | LANDSCAPE ARCHITECTS  
NEW YORK SOUTH CAROLINA FLORIDA



## Goals

Recognize and strengthen the entrances to Polk County.

Achieve a higher level of character along these vital corridors.

Provide a visually appealing connectivity that ties diverse districts together, and creates a sense of place.

The overall purpose of the project is to create an integrated "signature" streetscape design that will enhance the aesthetic of the road.

## Study Area

I-26/Highway 108 Corridors

Highway 108 Columbus to Highway 74

Highway 176 – Stateline to Tryon



## Spatial Constraints

- An existing built environment
- Conflicts with utility infrastructure
- Ingress/egress - multiple and adjacent drive entrances





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## POLK COUNTY ENTRIES



Before



After



Before



After



Illustration 2  
Highway 108 East of I-26

Illustration 3

Illustration 1 & 2



Highway 108 East of I-26



Highway 108 East of I-26

POLK COUNTY ENTRY LANDSCAPE 108 EAST OF I-26 SITE PLAN	
DATE	2/2/2017
BY	INSOLANTI & WHEELER, INC.
SCALE	1" = 100'
SHEET NO. 52	

Illustration 3

Illustration 1 & 2



Highway 108 East of I-26





Before



After



# Illustration 1

## Highway 108 East of I-26



Before



After



Illustration 2  
Highway 108 East of I-26





Before



After



## Illustration 3

Highway 108 East of I-26



## Highway 108 West From I-26

Illustration 2

Illustration 1





Before



After



# Illustration 1

Highway 108 West of I-26





Before



After



## Illustration 2

Highway 108 West of I-26

## Highway 108 West of Highway 74

Illustration 3



Illustration 2

Illustration 1

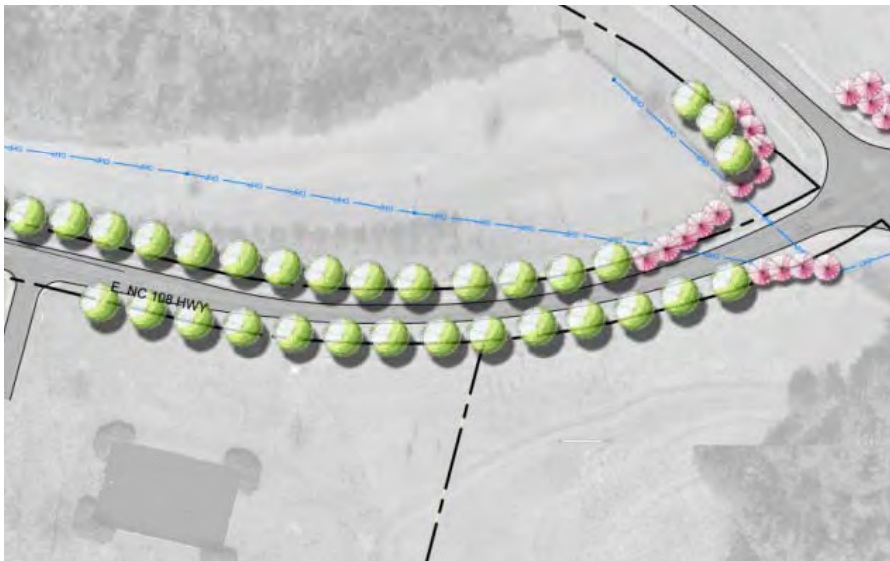




Before



After



# Illustration 1

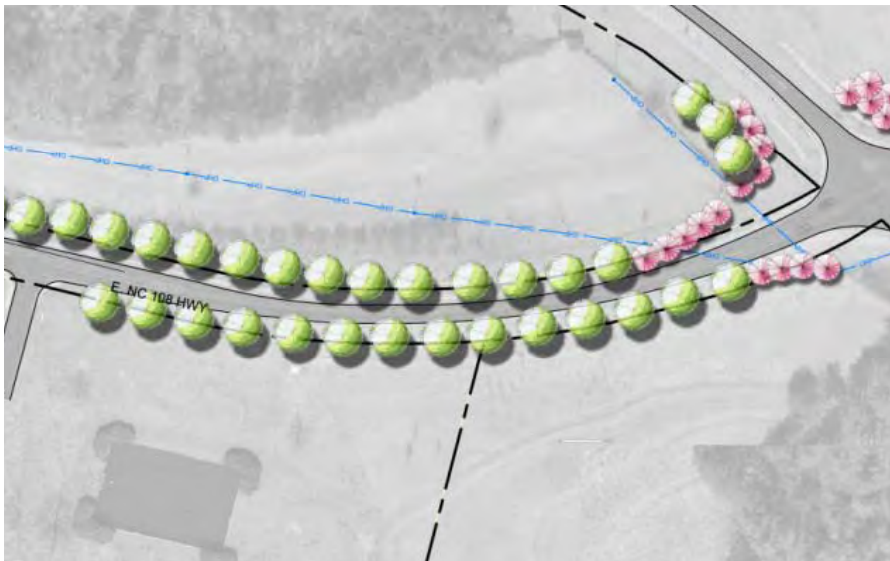
Highway 108 West of Highway 74



Before



After



## Illustration 2

Highway 108 West of Highway 74

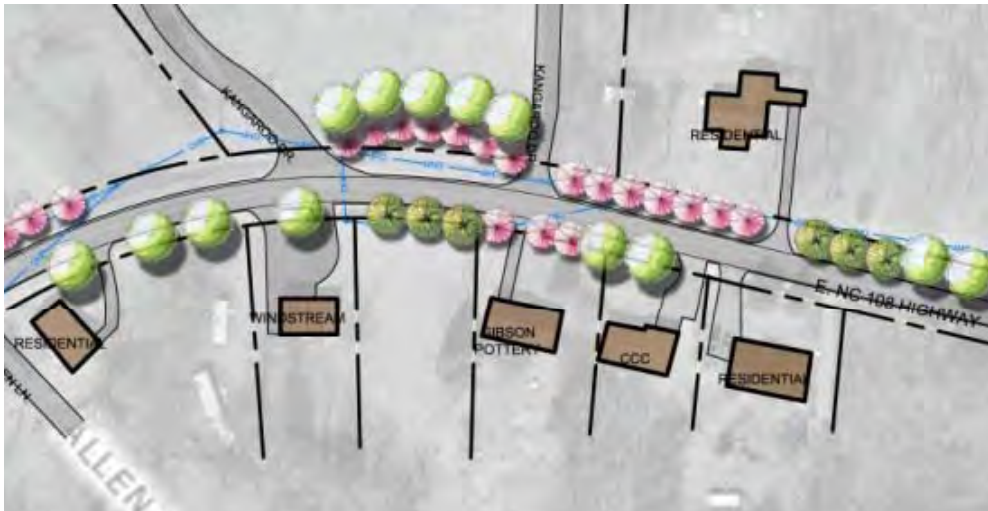




Before



After



## Illustration 3

Highway 108 West of Highway 74

Age Group	Percentage
18-24	35%
25-34	25%
35-44	15%
45-54	10%
55-64	5%
65-74	3%
75-84	2%
85+	1%

[illegible]

### Illustration 2





Before



After



# Illustration 1

Highway 108 East of Columbus



Before



After



## Illustration 2

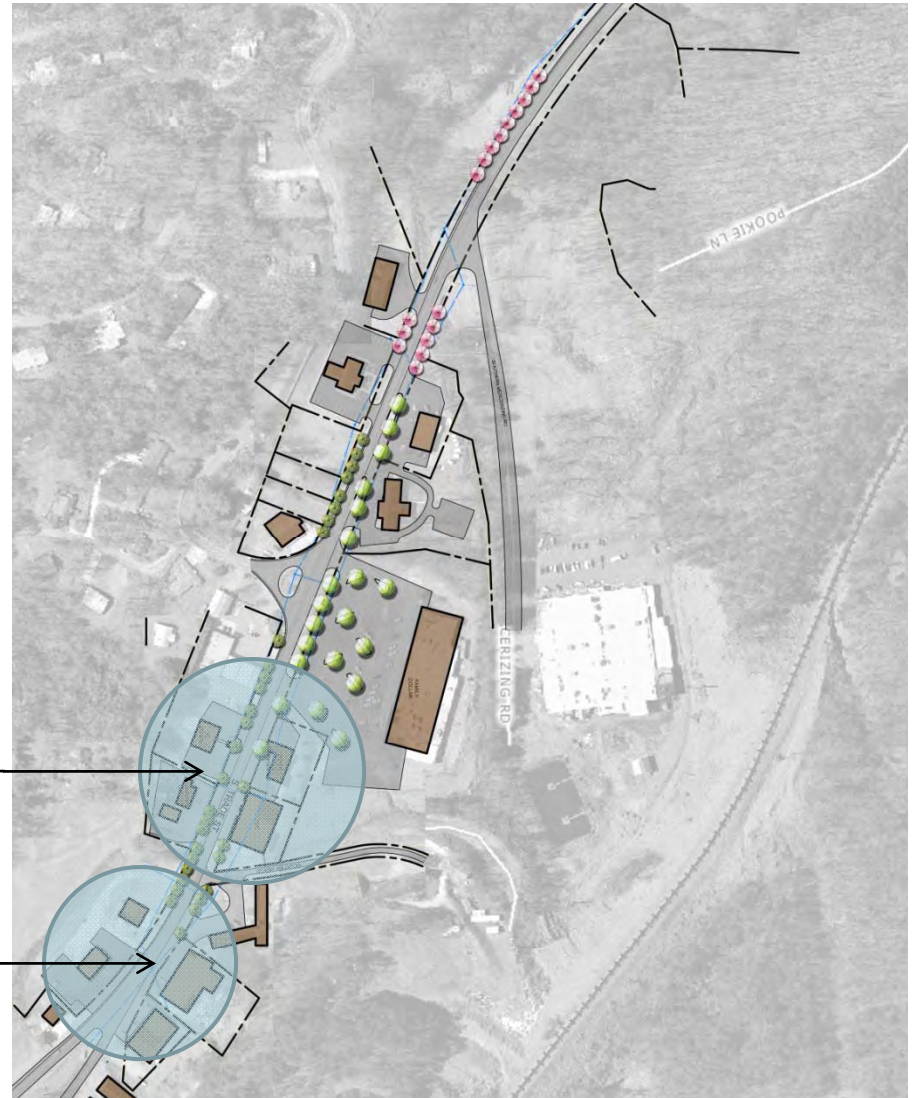
Highway 108 East of Columbus



## Highway 176 - State Line to Tryon

Illustration 2

Illustration 1





Before



After



# Illustration 1

Highway 176 – State Line to Tryon





Before



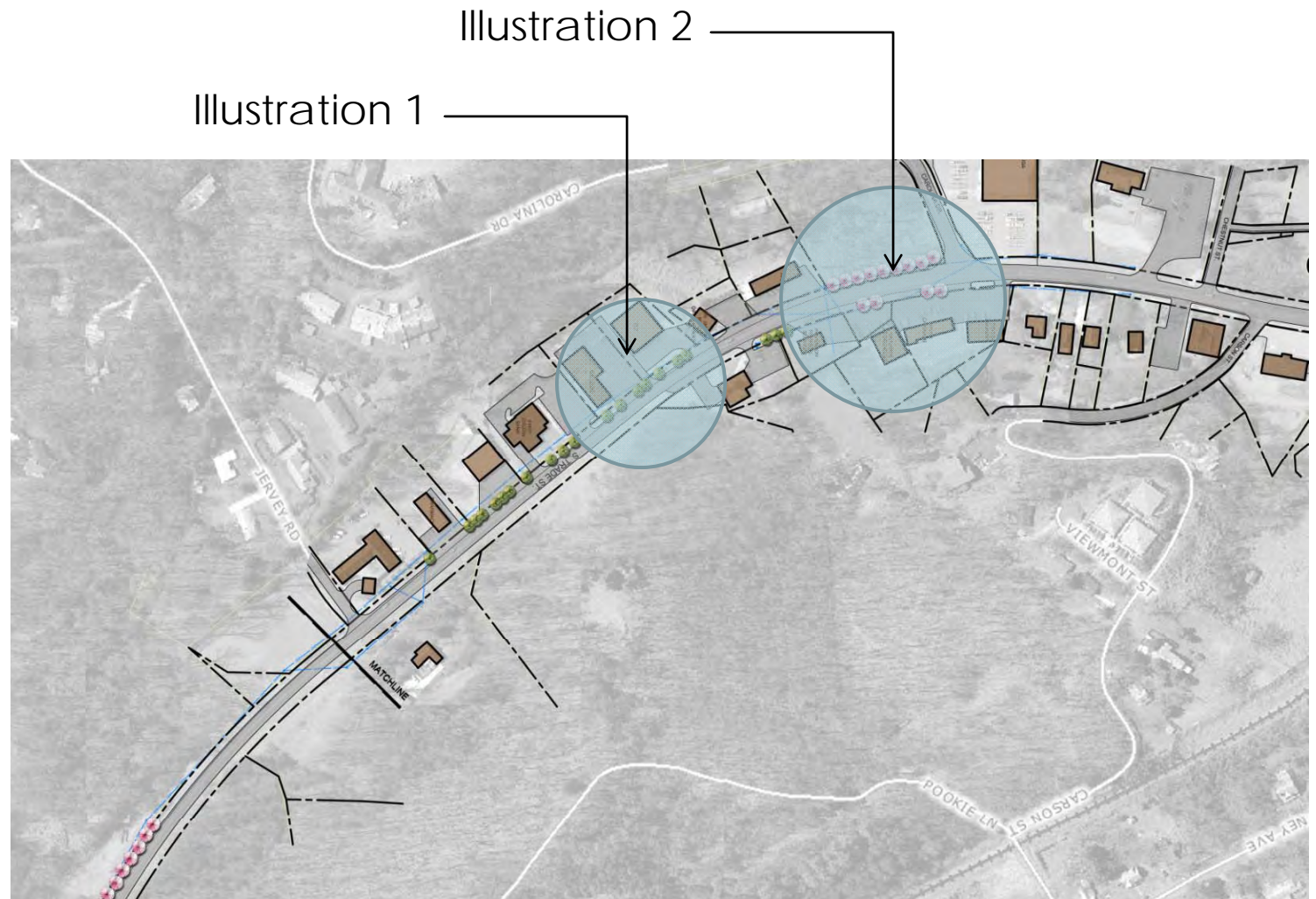
After



## Illustration 2

Highway 176 – State Line to Tryon

## Highway 176 - State Line to Tryon







Before



After



## Illustration 1

Highway 176 – State Line to Tryon



Before



After



## Illustration 2

Highway 176 – State Line to Tryon



# The Benefits of Street Trees

Carbon Sinks – One tree converts 13-48 lbs of CO<sub>2</sub> per year into cellulose and oxygen

Reduced Stormwater Runoff – 5% increase in tree canopy = 2% decrease in runoff

Water Quality – 47% reduction in surface pollutants removed in 1<sup>st</sup> 15 minutes

- Increased ground water recharge

Micro-climate – Pavement can be 35 degrees cooler under tree canopies (urban heat island effect)

Economic - Trees enhance community economic stability by attracting businesses and tourists

- extend the life of asphalt pavement

Health – Increase in traffic safety by slowing traffic

- Improved psychological well being

- Reduced Air Pollution – 60% decrease in street level particulates

# Small Trees

Bottlebrush Buckeye

Amur Maple

Akebono Cherry

Oklahoma Redbud

Autumnal Cherry

Prairie Fire Crab Apple

Chinese Fringe Tree

Yaupon Holly





Bottlebrush Buckeye

Amur Maple







Akebono Cherry

Oklahoma Redbud







Autumnal Cherry

Prairie Fire Crab Apple







Chinese Fringe Tree

Yaupon Holly





# Medium Trees

Trident Maple

American Hornbeam

American Yellowwood

Persian Ironwood

Japanese Zelkova



Trident maple

## American Hornbeam

### ***Carpinus caroliniana* (multi-stemmed)**

*American Hornbeam*

#### **Description**

*These specimens are grown as multi-trunked trees thus providing great opportunities to show off the muscle-like bark. Be careful where you plant them as the smooth sinuous trunks will invite the carving of initials. Great tree for naturalizing along the edges of woodlands and streams. Let your design juices flow.*

**Hardiness: Zone 3 to 9**

**Texture: Medium**

**Growth Rate: Slow**

**Native Habitat: Minnesota South to Florida**

**Fall Color: Yellow to Orange-Red**

**Bark: Smooth-Bluish-Gray**

**Foliage: Dark green**

**Shape: Upright Spreading**

**Mature Size: 30' X 30'**







American Yellowwood

Persian Ironwood







Japanese Zelkova



# Columnar Trees

Fastigiata European Hornbeam

Columnar Tulip Poplar

Columnar Japanese Lacebark Elm

Columnar Japanese Zelkova



Fastigiata European Hornbeam

Columnar Tulip Poplar







Columnar Chinese Lacebark Elm

Columnar Japanese Zelkova



# Large Trees

Sugar Maple

Ginkgo

Black Gum

Overcup Oak

Willow Oak

Accolade Elm

Princeton Elm





Sugar Maple

Gingko (can be columnar)







Black Gum

Overcup Oak







Willow Oak

Accolade Elm







Princeton Elm

