Millville - Atlantic Avenue Streetscape Improvement Pattern Book

April, 2008

URS

SHEET INDEX

SHEET 1 OF 17 ~ INTRODUCTION

SHEET 2 OF 17 ~ DELDOT IMPROVEMENTS

SHEET 3 OF 17 ~ MILLVILLE IMPROVEMENTS

SHEET 4 OF 17 ~ STREET TREES

SHEET 5 OF 17 ~ STREET TREES

SHEET 6 OF 17 ~ NATIVE PLANTS

SHEET 7 OF 17 ~ AMENITIES

SHEET 8 OF 17 ~ AMENITIES

SHEET 9 OF 17 ~ AMENITIES

SHEET 10 OF 17 ~ AMENITIES

SHEET 11 OF 17 ~ AMENITIES

SHEET 12 OF 17 ~ WEST BOUND BETWEEN OLD MILL ROAD & CEDAR DRIVE

SHEET 13 OF 17 ~ WEST BOUND - OLD MILL ROAD INTERSECTION

SHEET 14 OF 17 ~ NORTH BOUND OLD MILL ROAD INTERSECTION

SHEET 15 OF 17 ~ WEST BOUND - OLD MILL ROAD INTERSECTION NORTH

SHEET 16 OF 17 ~ EAST BOUND DOCS PLACE

SHEET 17 OF 17 ~ TOWN ENTRANCE SIGN

Working streetscapes should be constructed of high quality materials capable of withstanding decades of urban use. These working streetscapes should anticipate and ultimately support the land uses anticipated along their edges. Due to a variety of cost implications,urban streetscape designs should maximize initial investments by recognizing the 30-50 year lifecycle of these investments and by avoiding gimmicks and fads. Generally speaking, the streetscape consists of all elements between the face of the curb and other improvements that exist along the roadway corridor. Frequently, the design of the roadway cross section will have a critical influence on the comfort, safety, and appearance of the streetscape. If streetscapes are comfortable and safe for people, then pedestrian activity along those streets will increase.

Atlantic Avenue - DELDOT Improvments

Proposed DELDOT Improvements:

- Cedar Street Realignment
- Force Turning Curbs
- Sidewalks both sides of Sr 26
- Curbing

Proposed Millville Improvements:

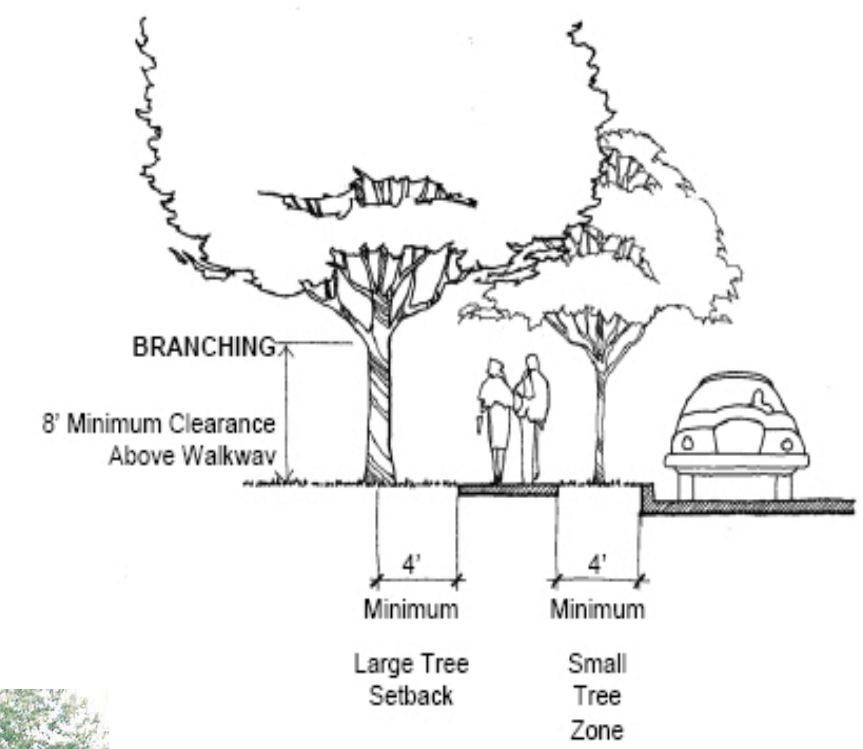
- Street Trees
- Street Lights
- Town Clock
- Stamped Brick Crosswalks
- Street Planting
- Sidewalks Connecting to Residential Neighborhoods
- Town Entrance Sign
- Replica Mill
- Brick Sitting Walls

"Given a limited budget, the most effective expenditure of funds to improve a street would be on trees."
-Allan B. Jacobs

Trees provide a variety of benefits to the character of a streetscape – shade from the sun, cleaning of the air, and protection from harsh winds. They additionally create a sense of place that attracts people to a the commercial district. In a commercial district, street trees are the main element that makes a town street inviting to people to shop.

The following recommendations for street tree species were selected by the project design team for their nativness to the area and their salt tolerant characteristics:

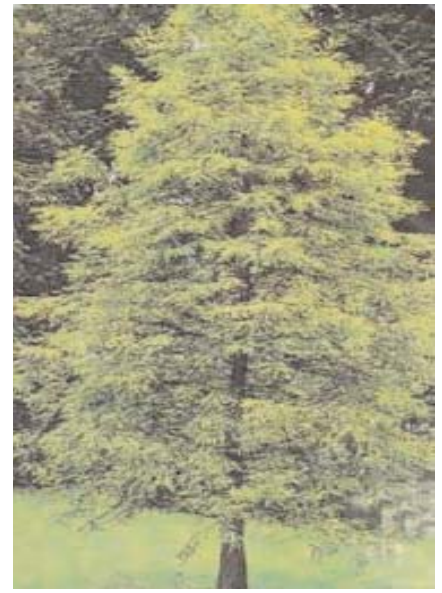
PREFERRED PLACEMENT OF URBAN STREET TREES



Cedar Drive Corridor and Town Center Drive/Old Mill Road Corridor

Common Name: Crape Mrytle
Scientific Name: Lagerstroemia indica
Mature Size: 20' tall x 10' wide
Fall Color: Varies
Flowering Tree: Yes
Estimated Cost: $50.95

Common Name: Willow Oak
Scientific Name: Quercus Phellos
Mature Size: 55' tall x 30' wide
Fall Color: Yellow
Flowering Tree: No
Estimated Cost: $50.95



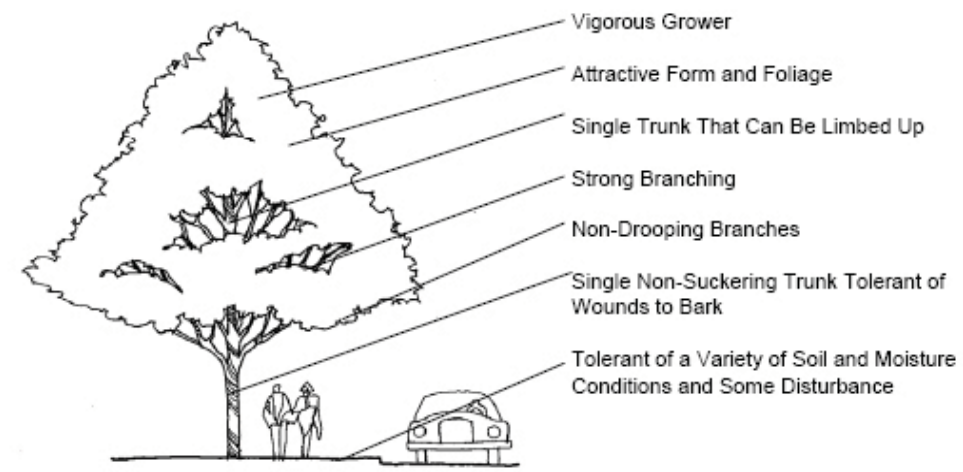
Common Name: Bald Cypress
Scientific Name: Taxodium Distichum
Mature Size: 70' tall x 40' wide
Fall Color: Russet Red
Flowering Tree: No
Estimated Cost: $50.95

Common Name: American Holly
Scientific Name: Ilex opaca
Mature Size: 40' tall x 40' wide
Fall Color: Green
Flowering Tree: No
Estimated Cost: $50.95

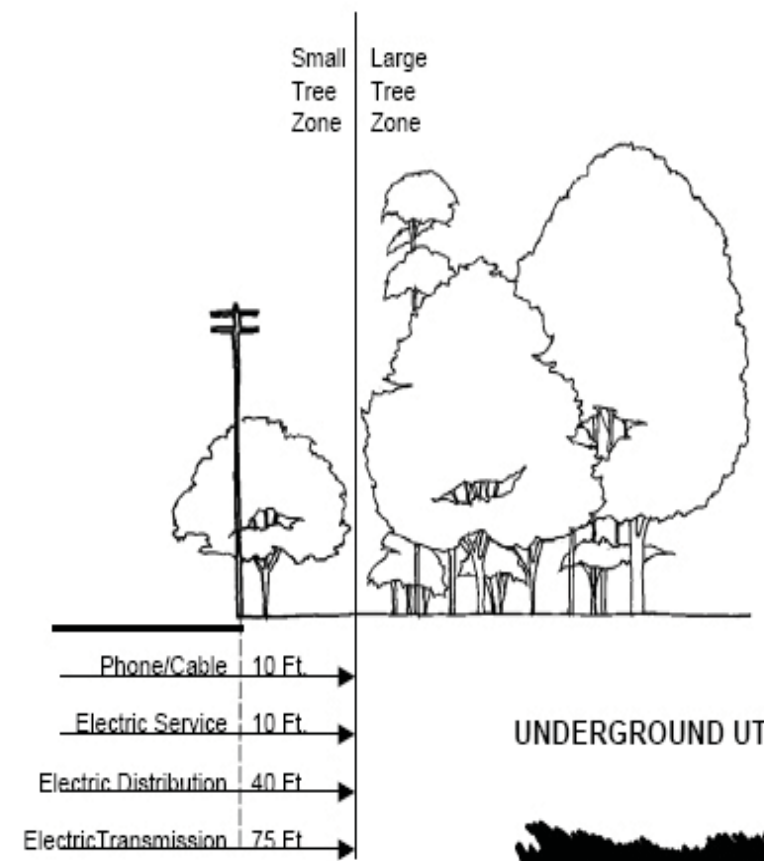
Route 26 Atlantic Avenue Corridor

This Corridor is designated as a Utility Corridor that contain power, gas, water, or sewer service. Within the corridor vegetation must be controlled to allow safe maintenance and repair of the utility lines.

DESIRABLE STREET TREE CHARACTERISTICS

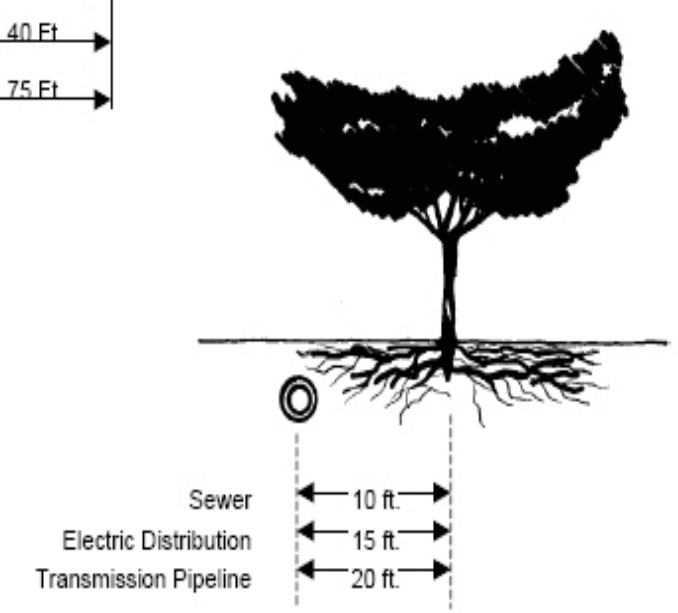


OVERHEAD UTILITIES



Common Name: Crape Mrytle
Scientific Name: Lagerstroemia indica
Mature Size: 20' tall x 10' wide
Fall Color: Varies
Flowering Tree: Yes
Estimated Cost: $50.95

UNDERGROUND UTILITIES



Atlantic Avenue - Streetscape Elements - Native Plants

In today's rapidly urbanizing environment, we have a unique opportunity, to create livable landscapes that are attractive, easily managed, and provide a rich compliment of plants to support diverse ecosystems of Millville.

Panicum virgatum 'Northwind'
(Northwind switchgrass
Amsonia 'Blue Ice'
(Blue Ice blue star)

Rhododendron periclymenoides
(pinxterbloom azalea)

Myrica Cerifera
(bayberry)

Panicum virgatum 'Northwind'
(northwind switchgrass)

Juncus effusus
(common rush)

Allex Verticillata
(wibterberry)

The character of the pedestrian experience is built upon the types of street furnishings that are located along the street corridors. Because pedestrians experience these furnishings on a small-scale, interactive level, they should be attractive and sturdy.

Route 26 Atlantic Avenue

Recommendations:

Benches placed at appropriate locations

Trash receptacles placed adjacent to benches

Town Center Drive & Route 26 Atlantic Avenue Southeast Corner

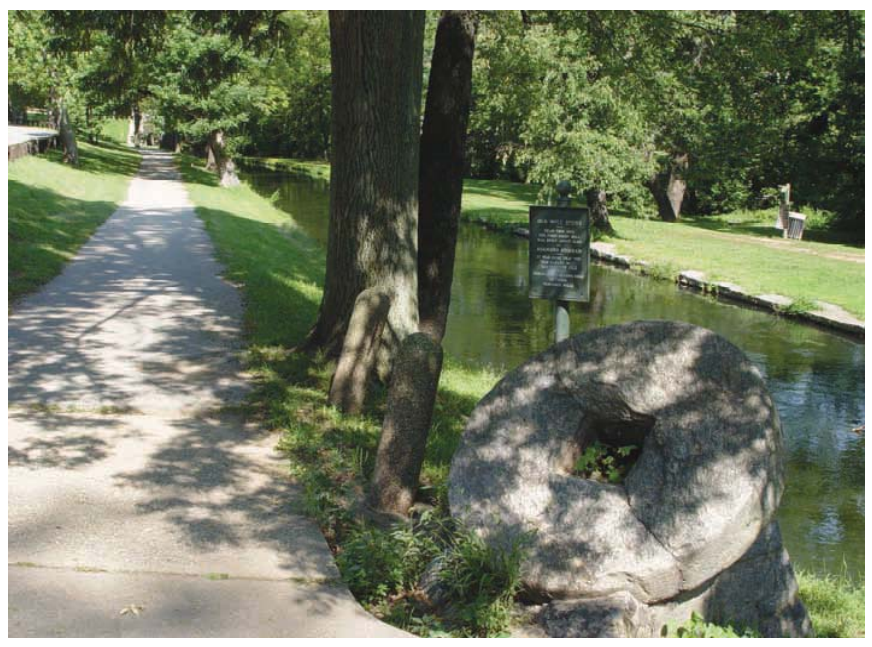
Recommendations:

Placement of mill stone

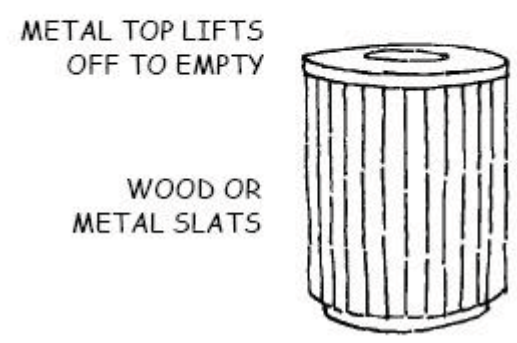
A plaque detailing the history of Milling

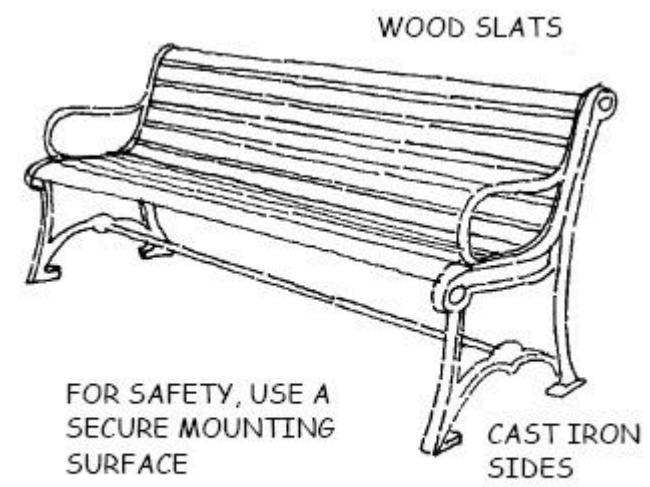
Additional uses:

Visual landmark



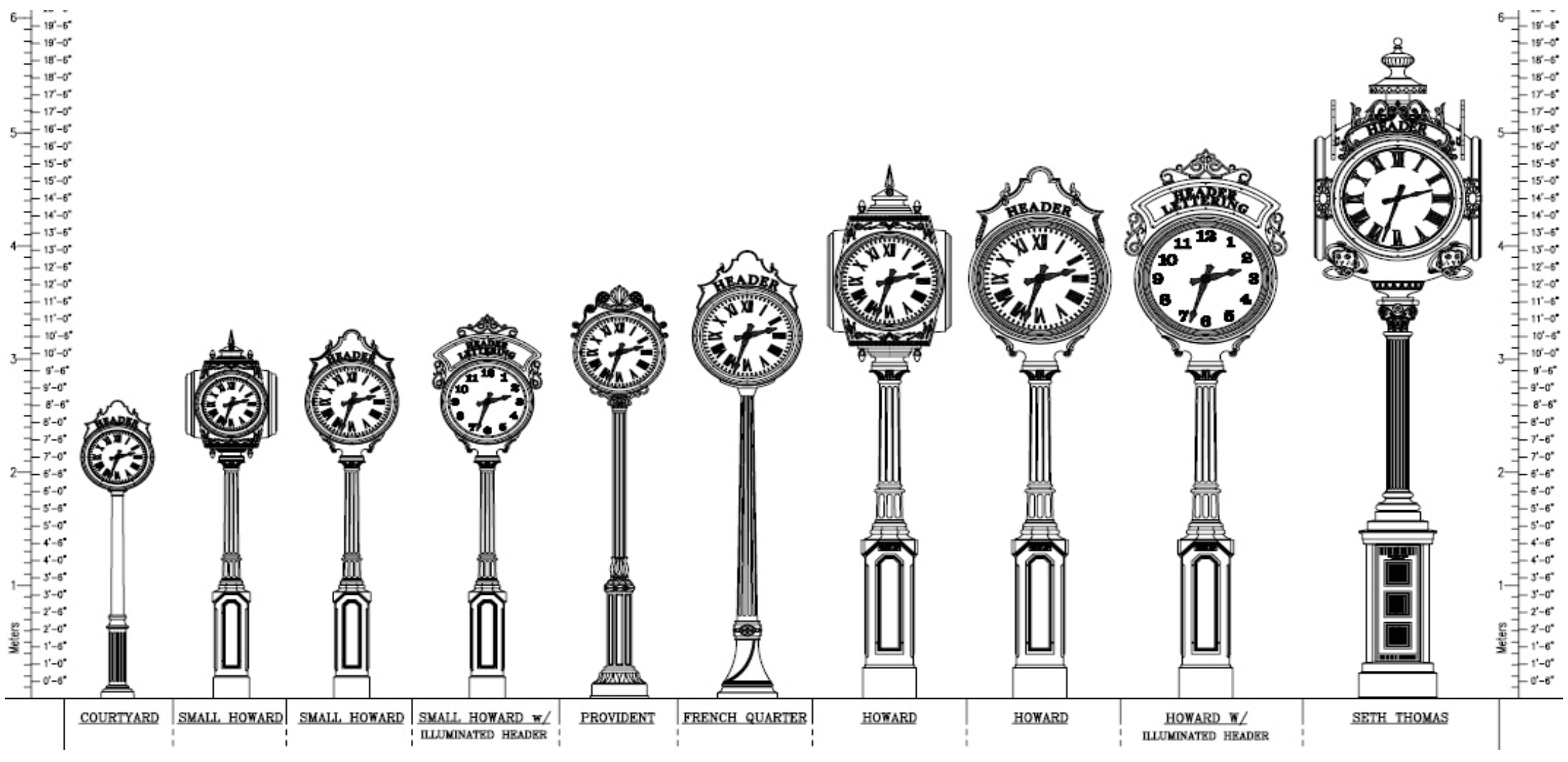
Color and design in site furniture will help unify a project site. A range of colors are available.





The Town Clock element will enrich citizens with civic pride and enable them to identify this element as a part of their Town . The Clock will enable citizens and visitors to identify their location in Town based on this visual landmark . A multitude of companies offer a variety of styles of post clocks, it will be up to the elected officials and citizens to determine the most appropriate style of clock that will represent the Millville way of life.

Old Mill Road & Route 26 Atlantic Avenue North East Corner



"The birth of a town is tenuous process. Its chances of surviving more the one hundred years are even more delicate. In the case of Millville, Delaware, there were times in its early life when it seemed impossible to preserve its identity. However, that strong bond between families in this small hamlet, turned village, turned town kept it a living and vital part of southeastern Sussex County."

To symbolize Millville's working class history and growth from a hamlet to the thriving Town it is today, a working Mill and welcome sign will be erected at the east entrance to the Town. This will be the eastern gateway into the Town welcoming visitors to Millville through a visualization of Millville's history.

Cedar Drive& Route 26 Atlantic Avenue North East Corner

RECOMMENDATIONS:

Replica water mill representing past mills

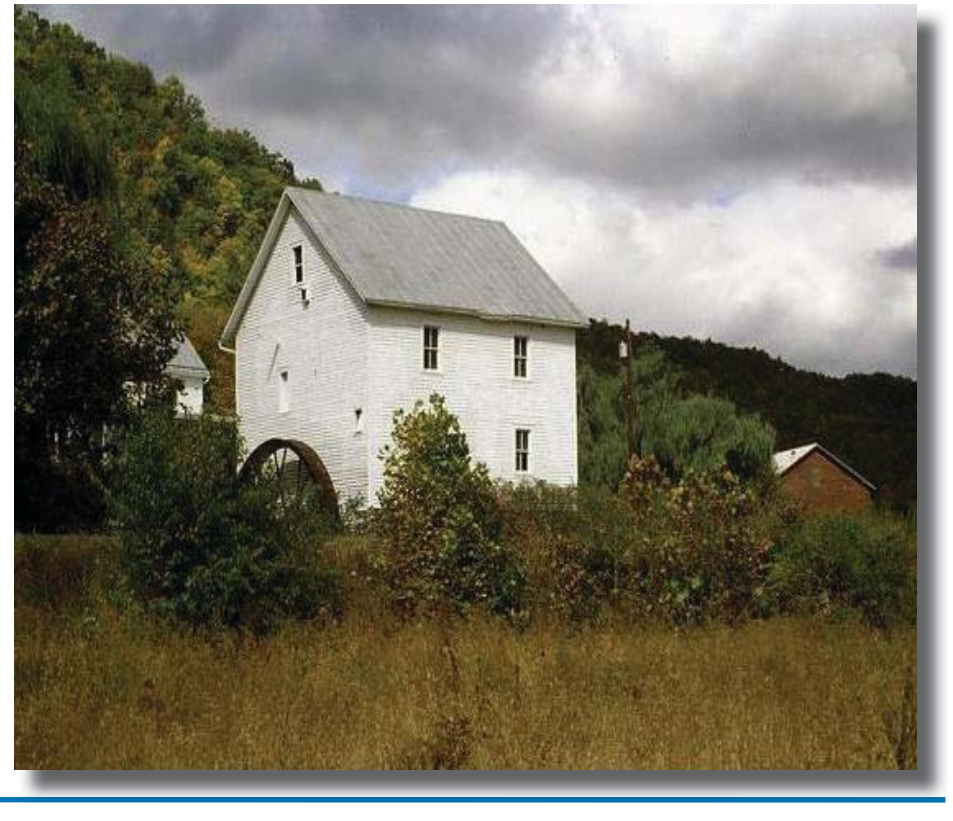
Working mill wheel moving water in SWM pond

Estimated size 25' x 25' +/-

Estimated height 14' +/-

ADDITIONAL USES:

Storage and maintenance building



Atlantic Avenue - Streetscape Elements - Amenities

The four corners of the Old Mill and Town Centre Intersection will form the hub of the Atlantic Avenue business district. The intersection will be defined by four brick sitting walls. The sitting walls will provide resting and gathering places for shoppers and pedestrians strolling Millville's business district

Recommendations:

Brick sitting wall that follows the curves of the intersections corner

Planting on both sides of the sitting wall

A brick court yard connecting the sitting wall to the sidewalk

Additional uses:

A gathering place for the community

A rest place for citizen strolling the streets

Atlantic Avenue - Streetscape Elements - Amenities

"We have a large area that we can mold. The new town is going to be well-planned and something the whole state should be proud of."

In addition to the Mill the eastern gateway will have a Welcoming sign alerting travels they entering Millville. These elements will ensure that Millville is distinguished from adjacent communities and provide the community with a sense of place. Various signs and placements are available, however to truly represent Millville history the recommend sign will follow with the Mill element.

Recommendations:

Stone sitting wall that follows the curves of the corner

A "Welcome to Millville" sign placed at the most visible portion of the sitting wall

Plankings on both sides of the sitting wall

A brick court yard connecting the sitting wall to the sidewalk

Additional uses:

A gathering place for the community

A rest place for citizen strolling the streets

Atlantic Avenue - West Bound Between Old Mill Road & Cedar Drive

BEFORE

AFTER

VISION AREA

New Elements:

- ADA approved sidewalks
- Flower beds
- Ornate street lighting
- Banners promoting the Town
- Street trees
- Improved bike lanes with markings

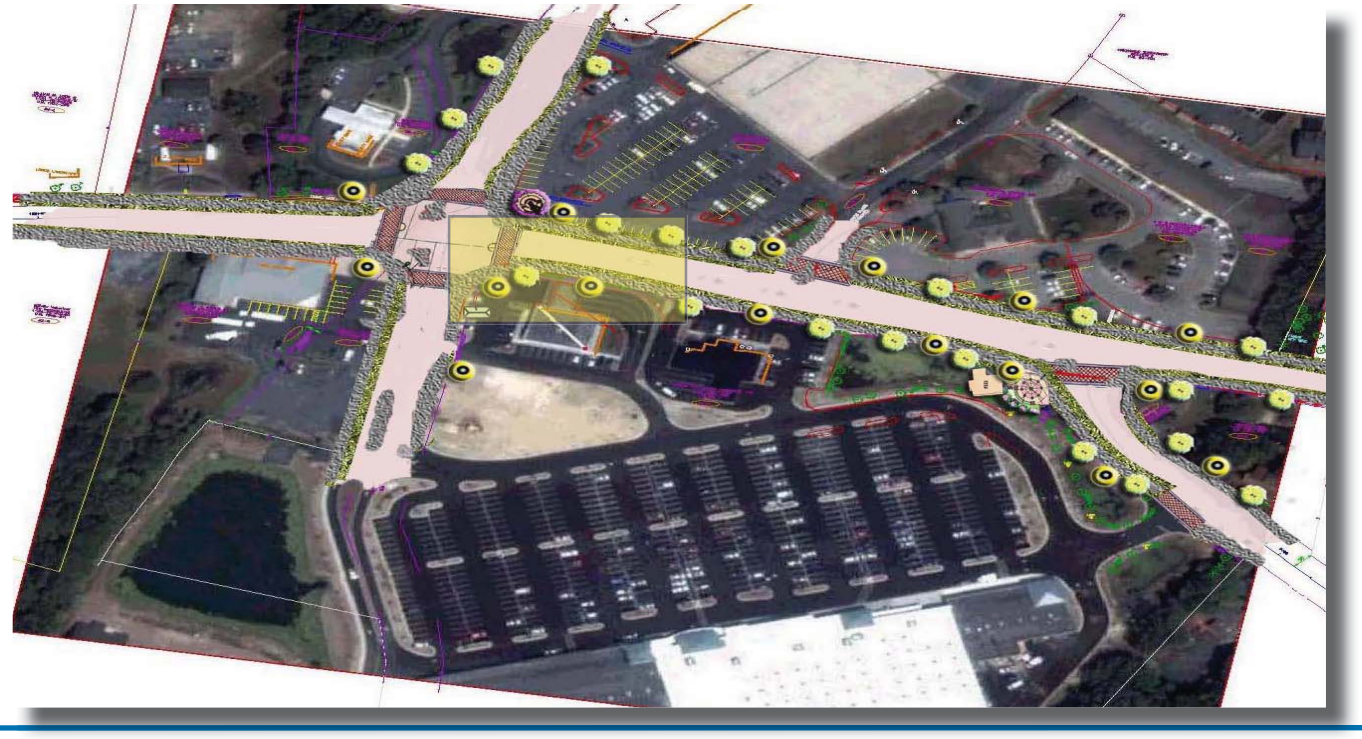
URS

Atlantic Avenue - West Bound - Old Mill Road Intersection

BEFORE

AFTER

VISION AREA



New Elements:

- Brick stamped crosswalks
- ADA approved sidewalks
- Community kiosk
- Flower beds
- Ornate street lighting
- Banners promoting the Town
- Brick Sitting Wall

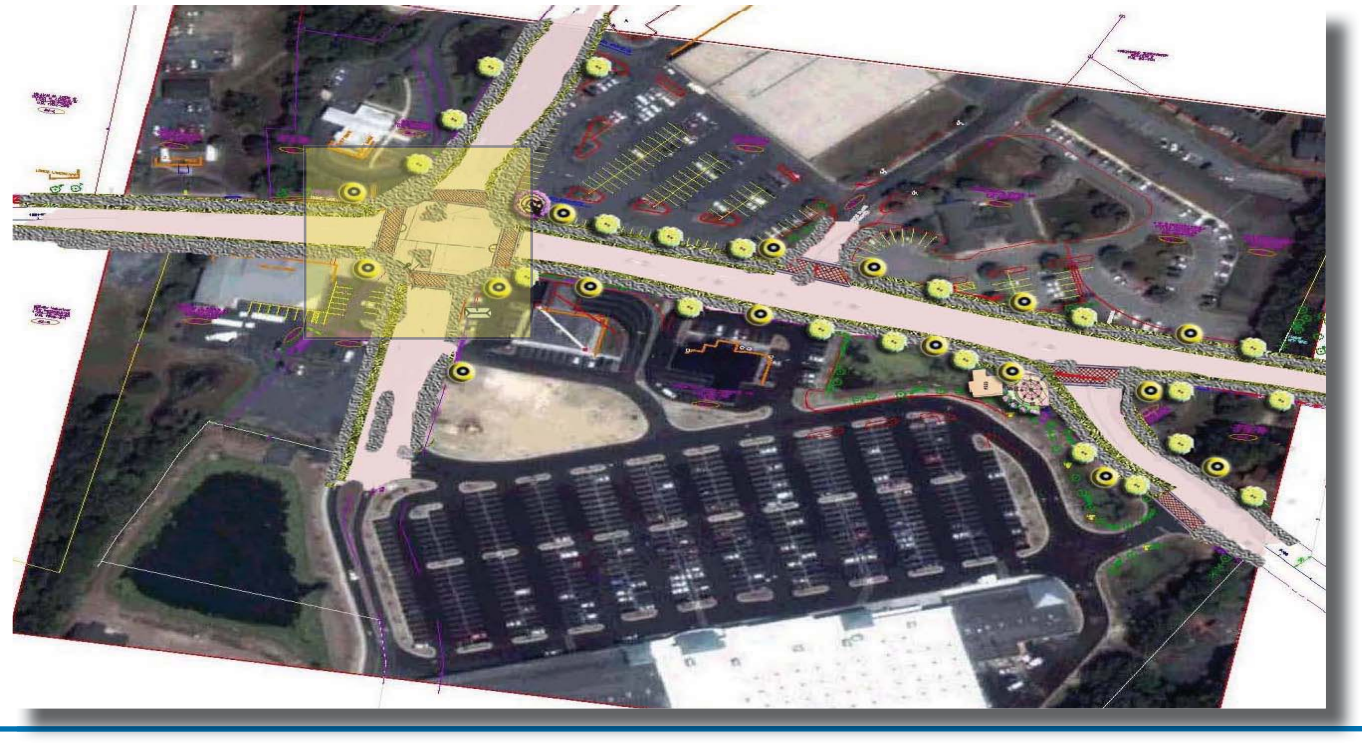
URS

Atlantic Avenue- North Bound - Old Mill Intersection

BEFORE

AFTER

VISION AREA



New Elements:

- ADA approved sidewalks
- Flower beds
- Ornate street lighting
- Banners promoting the Town
- Street trees
- Improved traffic signals
- Brick stamped crosswalks
- Crosswalk Signals

URS

Atlantic Avenue - North Bound - Old Mill Road Intersection

BEFORE

AFTER

VISION AREA

New Elements:

- Brick stamped crosswalks
- ADA approved sidewalks
- Community Clock
- Flower beds
- Ornate street lighting
- Banners promoting the Town
-
- Street trees

URS

Atlantic Avenue - East Bound Docs Place

BEFORE

AFTER

VISION AREA

New Elements:

- ADA approved sidewalks
- Flower beds
- Ornate street lighting
- Banners promoting the Town
- Street trees
- Brick stamped crosswalks
- Benches

URS

Atlantic Avenue- East Bound - Cedar Drive Intersection

BEFORE

AFTER

VISION AREA

New Elements:

- ADA approved sidewalks
- Flower beds
- Ornate street lighting
- Banners promoting the Town
- Town Welcome Sign
- Replica Mill
- Brick stamped crosswalks