

**Capital Improvement Plan
Fiscal Year 2013-2014 through 2017-2018
Project Description**

I. Requesting Department: Water Distribution

II. Project Title: North Ridge – Villa Dunes
Waterline Tie-in

III. Project Description:

Install approximately 1,600 feet of 6-inch waterline to connect the existing Town mains at the end of Windjammer Road and within the right-of-way of Villa Dunes Drive, at the entrance to the Villas on Roanoke Sound. The waterline would be constructed beneath the northernmost "arm" of Jockey's Ridge State Park using a directional bore, thus eliminating the need to dig an open trench across the park.

IV. Project Justification: (What need is being met, how does this project address the need?)

This waterline will create a looped system near the end of Villa Dunes Drive to improve domestic water pressure and fire flows along the western portion of Villa Dunes Drive as well as in the portion of Nags Head Woods served by the Town's water system. This is the highest priority water system enhancement recommended in the Town's recent Master Water Plan update.

V. What Board Goals Does This Project Meet?

- Supportive Infrastructure
- Livable Neighborhoods
- Clean/Green Environment
- Choose an item.
- Choose an item.
- Choose an item.

VI. Project Location: (Attach a map if applicable)

Between the western end of Windjammer Road and Villa Dunes Drive at the entrance to the Villas on Roanoke Sound. (See attached map.)

VII. Department Priority: (Choose One) Does the requested project:

- | | | |
|--|---|--|
| a. Correct an unsatisfactory level of service? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| b. Maintain a current level of service? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| c. Increase a level of service? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| d. Represent a "vision"? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

VIII. Departmental Rank: (Prioritize your request in relation to other departmental project request)

1 of 7

IX. Project Alternatives:

None available

X. Project Dependency:

N/A

XI. Negative Impacts:

None

XII. Other Considerations:

Project is the highest recommended waterline in the recent Master Water Plan update. It will increase domestic water

**CAPITAL IMPROVEMENT PROGRAM
ITEM/PROJECT DESCRIPTION FORM**

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pressure and fire flows in this part of town.

XIII. Additional Funding Sources:

Are there grants or additional funds which might be used in conjunction with the CIP to fund this project:

Yes No If YES, describe: [Click here to enter text.](#)

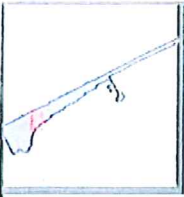
XIV. ESTIMATED COSTS

a. Capital/ One Time Costs	Description of Capital/One Time Costs	Cost (Round to Nearest \$)
	Estimated costs for engineering, plat and easement prep.	\$ 10,500
	Cost for construction at \$18/ft for materials and \$40/ft for installation.	92,800
		Click here to enter text.
	TOTAL Capital (One Time Costs)	\$ 103,300
b. Continuing Annual Operating Costs	Description of Continuing Annual Operating Costs	
	Click here to enter text.	\$ Click here to enter text.
	Click here to enter text.	
	Click here to enter text.	
	Click here to enter text.	
	TOTAL Continuing Annual Operating Costs	\$ Click here to enter text.

XV. Fiscal Year Requested:

FY 2013-2014

Priority Recommendation: (By CIP Committee)



- parcels
- addresses
- Roads
- CAMA Erosion Rate
- Fresh Water Ponds
- Public Access
- Structures
- Landuse
- Subdivisions
- Historic District
- Flood Maps 2006
- Flood Maps 1998
- Village Zoning
- NH Zoning



Proposed Villa Dunes - Northridge Interconnect

1 in. = 300.0 feet