

# DWM CIP Program - Project Information

Planning Phase

Planning Horizon: 2030

DRAFT

Project Name	CIP Project Number and Type	Class 5 Cost Estimate	Date Created	Commissioner and Super Districts		Project Manager
PCCP Transmission Main Replacement Phase A (Glendale)	TMR02A - DS	\$13,398,000	February-24	CD - 3	SD - 7	Cassandra Marshall

### Preliminary Design Schedule

Duration	100% Design Submittal	Bid Document to P&C	Planned/Complete
TBD Days	TBD Date	TBD Date	Planned

### Preliminary Construction Schedule

Duration Days	Substantial Completion	Final Completion
TBD Days	TBD Date	TBD Date

### Description

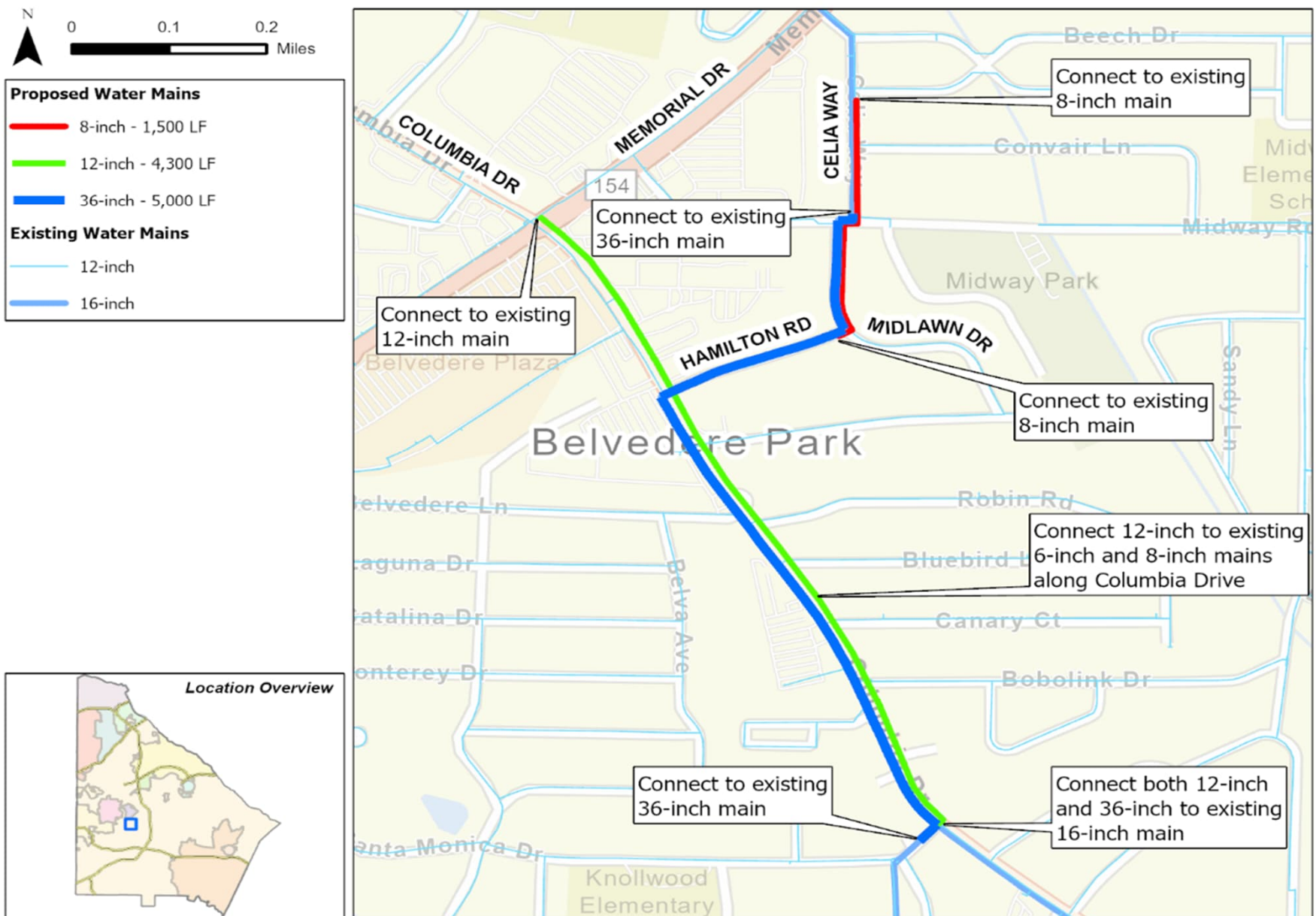
High risk pre-cast concrete pipe (PCCP) transmission main replacement to improve system reliability and avoid major transmission main failures associated with PCCP. Additionally, local non-ductile iron distribution mains along the transmission main route will be replaced, thus improving the local hydraulic conditions and local distribution main reliability.

### Implementation Considerations

Improvement to be completed by 2030. Recommended for years 0-5 CIP planning horizon.

### Details

Install 5,000 LF of 36-inch transmission main, 4,300 LF of 12-inch water main, and 1,500 LF of 8-inch water main.





DWM CIP Program

PCCP Transmission Main Replacement Phase A (Glendale)

CIP Project Number: TMR02A  
 Project Type: DS  
 DRAFT

Overall Score: 3.9/5
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Class	Criteria	Score
Compliance	Water Quality/Surface Water Quality	High
	Tightness of System	High
	Public Health and Safety	High
	Regulatory Compliance	Medium
	Resilience	High
Financial	Cost Recovery	Medium
	Reduction of Operational Cost	Medium
	Concurrence with other CIP Projects	Medium
	Life Extension of Asset	High
Social and Environmental Stewardship	Employment (more jobs)	Medium
	Economic Growth/Development (Social Justice)	Low
	Quality of Life/Customer Satisfaction	High
	Impacts to Natural Resources	High
	Energy Efficiency Lower Carbon Footprint	Medium

Justification

Replacement of high risk PCCP transmission mains to improve system resiliency and reliability by improving pipe material. Also, replacement of high risk aged local distribution mains to improve system pressure and fire flow availability by increasing pipe size and improving pipe material. Will reduce the number of leaks and breaks in the system by replacing aging pipe. Will improve energy efficiency in the system by reducing the friction losses in the pipe (which typically increase with pipe age). Will increase the overall resilience of the system, making the system more attractive to developers and residents.