



FINDING OF NO SIGNIFICANT IMPACT

safe drinking water act - south carolina state revolving fund

PROJECT: Greenville Water System
St. Francis Water Main Replacement Phase B
SRF Project 2310001-08
Greenville County

This Department, under Section 48-5-60 of the Code of Laws of South Carolina, has the authority and responsibility to conduct environmental reviews and approve Drinking Water preliminary engineering reports (PER) prepared for the State Revolving Fund Division. Our review has determined that implementation of the plan identified below will not cause significant environmental impact and the Department hereby issues this Finding of No Significant Impact (FNSI).

This FNSI precedes approval of the PER for the referenced project. The plan recommends replacing 4-inch and smaller pipes in the project area with approximately 45,800 LF (linear feet) of new 6- and 8- inch ductile iron water mains.

ENVIRONMENTAL ASSESSMENT

Need for Project: The proposed project would replace existing water mains that were installed before 1970 and consist mostly of cast iron or galvanized metal, which show evidence of deterioration, rust, and corrosion. Both of these materials are susceptible to leaks as they deteriorate, which creates opportunity for contamination. Additionally, leaks incur costs and cause service disruptions, all of which would increase over time if the deteriorating pipes are not addressed.

Proposed Facilities: The attached figure shows the proposed project location. The proposed project will replace 4-inch and smaller pipes with approximately 45,800 LF of new 6- and 8-inch water mains and 950 new service lines. About 51,800 LF of existing cast iron and galvanized pipe mains will be taken out of service. The total estimated capital cost for the project is \$20,826,000.

ENVIRONMENTAL CONSEQUENCES

No long-term environmental impacts should result from the proposed activities. In accordance with Executive Order 11988 and as amended by Executive Orders 13960 and 14030, Greenville Water System evaluated the project against the requirements of the Federal Flood Risk Management Standard and determined that the project is located within a floodplain and was justified in comparison to other practicable alternatives that were considered. The project is located within the floodplain due to the nature of the pipes and their locations within the project area. The following mitigation measures are being



implemented by Greenville Water System to reduce the threats from locating the project in the floodplain and will be detailed in their construction documents (plans and specifications) for the project: No permanent above-ground structures or permanent change to ground elevations are anticipated within the regulated floodways or floodplains. Floodplain coordination with the Greenville County Floodplain Administrator may be required.

Although wetlands and floodplains occur in the planning area, the proposed project will be designed to result in minimal impacts to the areas mentioned. In addition, the proposed project will be consistent with any needed 404 permits by the Corps of Engineers (e.g. preconstruction contours will be restored). Implementation of the proposed project is not expected to violate any of the environmental crosscutting authorities that apply to projects receiving Federal assistance. The following crosscutting authorities were considered before arriving at this conclusion: important farmlands, wild and scenic rivers, floodplains, archaeological or historical sites, threatened or endangered species, national natural landmarks, and impaired air quality.

Short-term, minor disturbances associated with construction - such as traffic interference, noise, dust, vegetation loss, erosion and sedimentation - will be minimized through the use of best-management construction practices.

COMMENTS

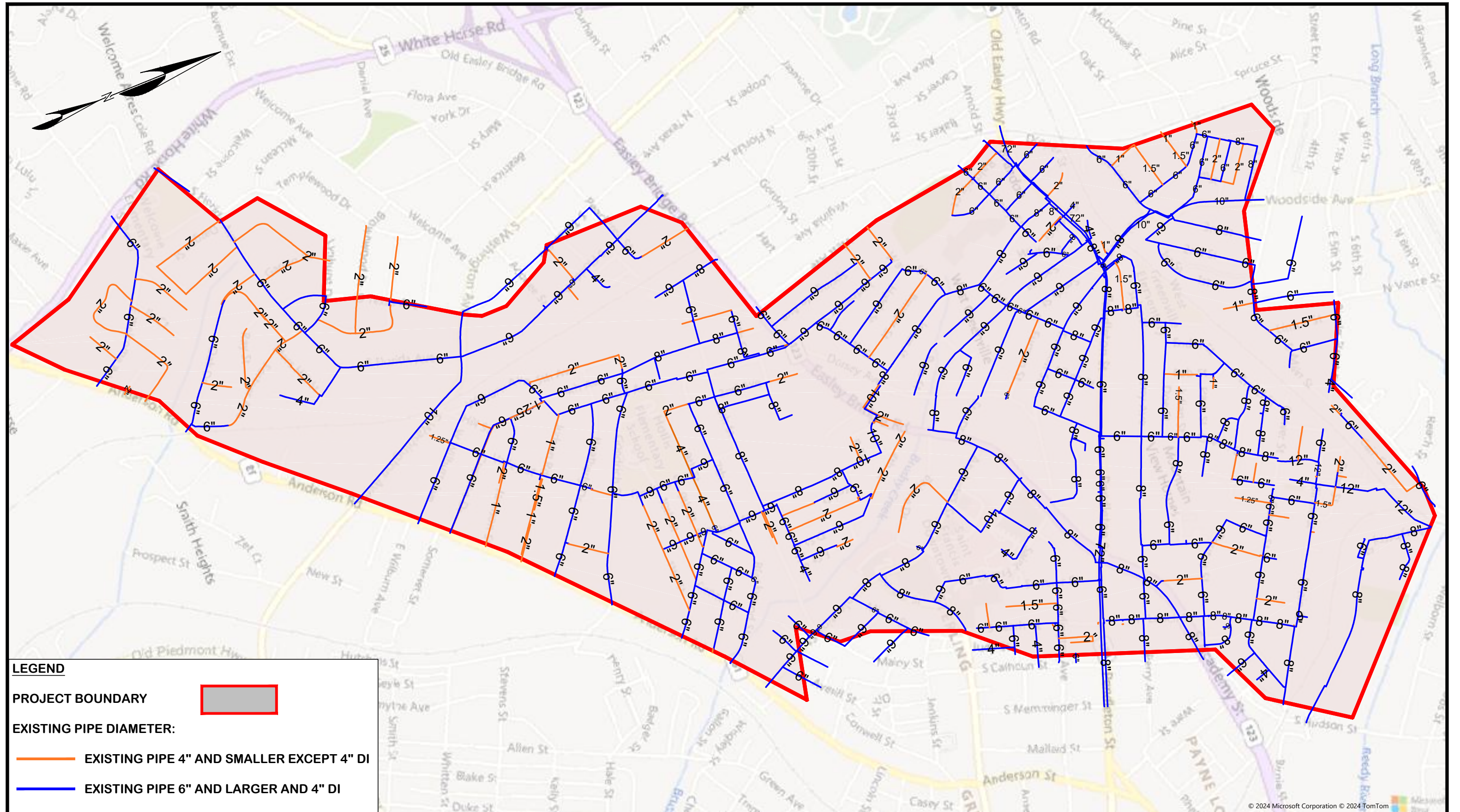
Comments received by 5PM April 17th, 2025 will be evaluated before approval of the preliminary engineering report. If you wish to comment, please contact Kyle Maurer at maurerkd@des.sc.gov or write to:

Kyle Maurer Sr, PhD, PE, Manager
State Revolving Fund Project Management Section
SC DES - Bureau of Water
2600 Bull Street
Columbia, SC 29201

Signed,

Wayne J. Shealy, P.E., Division Director
State Revolving Fund Division





LEGEND

PROJECT BOUNDARY



EXISTING PIPE DIAMETER:

— EXISTING PIPE 4" AND SMALLER EXCEPT 4" DI

— EXISTING PIPE 6" AND LARGER AND 4" DI

Michael Baker
INTERNATIONAL



ALTERNATIVE ANALYSIS FOR SRF

ALTERNATIVE 1 - REPLACE 4" & SMALLER PIPES EXCEPT DUCTILE IRON



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W:\202670 - GW Galvanized W/M Replacement\02 - Drawings\Exhibits\SRF - PER\SRF PER - Alt 1 Exhibit - 4-inch Except DI Long Modified - Jan 07, 2025 - 2:37pm Pointe - Jan 07, 2025 - 2:39pm Amy.Blanchard