



State Revolving Fund Loan Programs

Drinking Water, Wastewater, Nonpoint Source

ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

CITY OF ANDERSON NEW PRODUCTION WELL PROJECT SRF PROJECT DW 09 37 48 01

DATE: June 30, 2009

TARGET PROJECT APPROVAL DATE: July 30, 2009

I. INTRODUCTION

The above entity has applied to the Drinking Water State Revolving Loan Fund (SRF) for a loan to finance all or part of the drinking water project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA.

II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The SRF Drinking Water Program has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 4-4-11, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

III. COMMENTS

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the deadline date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

Amy Henninger
Senior Environmental Manager
State Revolving Fund -- IGCN 1275
100 N. Senate Ave.
Indianapolis, IN 46204
317-232-6566

ENVIRONMENTAL ASSESSMENT

I. PROJECT IDENTIFICATION

Project Name and Address:	Anderson Water Tower City of Anderson 120 East 8 th Street Anderson, IN 46016
SRF Project Number:	DW 09 37 48 01
Authorized Representative:	Greg Graham, Chairman Board of Public Works

II. PROJECT LOCATION

The proposed project site for the City of Anderson's 2.0 million gallon elevated water storage tank and booster station is located at the northeast corner of the intersection of Park Road (County Road 300 West) and 67th Street (County Road 400 South), in the Anderson Quadrangle, T19N, R7E, Section 34. The City of Anderson is located in southern Madison County, Indiana, immediately north of I-69. See Exhibit 1 and 2.

III. PROJECT NEED AND PURPOSE

The City of Anderson needs to improve water storage capacity and system pressure for the southwest portion of the distribution system. The addition of new manufacturing industries in this area will further increase peak flow demand and necessitate fire protection services.

To meet these needs, the City of Anderson is proposing to construct a 2.0 million gallon elevated water storage and booster station. This will improve water pressure and increase water storage capacity for emergency conditions and fire protection in the affected areas.

IV. PROJECT DESCRIPTION

A 2.0 million gallon elevated water storage tower and booster station will be constructed to improve system pressure and storage capacity.

V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

A. Selected Plan Estimated Cost Summary

Construction Costs

Site Work	\$	100,000
Concrete Shaft		800,000
Steel Fabrication		725,000
Steel Erection		675,000
Tank Painting		300,000
Yard Piping		200,000
Footings and Foundations		400,000
Electrical		50,000
		<hr/>
Construction subtotal		3,250,000
Contingency		250,000
		<hr/>
Total Construction Cost		3,500,000

Non-Construction Costs

Engineering Design, Bidding, and Contract Admin.	\$	231,000
Bond Council		45,000
Rate Consultant		44,000
Legal		30,000
		<hr/>
Non-Construction Cost		350,000

Total Estimated Project Cost \$ 3,850,000

- B. The City of Anderson will finance the project with a 20-year loan of approximately \$3,850,000 from the State Revolving Fund (SRF) Loan Program at an interest rate to be determined at the time of loan closing. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

VI. DESCRIPTION OF EVALUATED ALTERNATIVES

The no-action alternative to the new elevated water storage tank and booster station would mean maintaining the current status quo. This will result in continued low pressure problems and insufficient storage capacity for the southern portion of the distribution system.

VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

A. Direct Impacts of Construction and Operation

Undisturbed/Disturbed Land: The elevated water storage tank will be constructed on land partially disturbed. An archaeological field reconnaissance survey has been completed for the project area.

Structural Resources (Exhibit 3): The project will not affect historic sites or districts. Audible, atmospheric or visual effects of the projects will be temporary. The SRF's finding pursuant to Section 106 of the National Historic Preservation Act is: "no historic properties affected."

Surface Waters and Wetlands (Exhibit 4): The project will not affect wetlands.

100-Year Floodplain (Exhibit 5): The projects will not affect the 100-year floodplain.

Groundwater: The proposed project will not negatively affect a sole source aquifer or other groundwater resources. The groundwater table may be temporarily affected by water main installation.

Plants and Animals: The proposed project will not affect endangered plants or animals. The project will be implemented to minimize impact to non-endangered species and their habitat. Minor tree impacts are anticipated.

Prime Farmland: The proposed project will not cause a conversion of prime farmland.

Air Quality: Air quality will be temporarily impacted by construction activities, including vehicle exhaust and dust.

Open Space and Recreational Opportunities: The proposed project will neither create nor destroy open space and recreational opportunities. The proposed projects will not affect National Natural Landmarks.

B. Indirect Impacts

The city's Preliminary Engineering Report (PER) states: *The City of Anderson, through the authority of its council, will ensure that future development, as well as future distribution system or treatment works projects connecting to the SRF-funded facilities will not adversely impact archaeological/ historical/ structural resources, wetlands, wooded areas, or other sensitive environmental resources. The City will require new development and treatment works projects to be constructed within the guidelines of the US Fish and Wildlife Service, IDNR, IDEM and other environmental review authorities.*

C. Comments from Environmental Review Authorities

This document serves as the first notice to the U.S. Fish and Wildlife Service, The Indiana Department of Natural Resources Division of Historic Preservation and Archaeology, and the IDNR Environmental Unit.

The Natural Resources Conservation Service, in correspondence dated June 15, 2009, stated that *"The proposed project to construct a new two million gallon elevated water storage tank in the City of Anderson, Madison County, Indiana, as stated in your letter dated June 8, 2009, will not cause a conversion of prime farmland.*

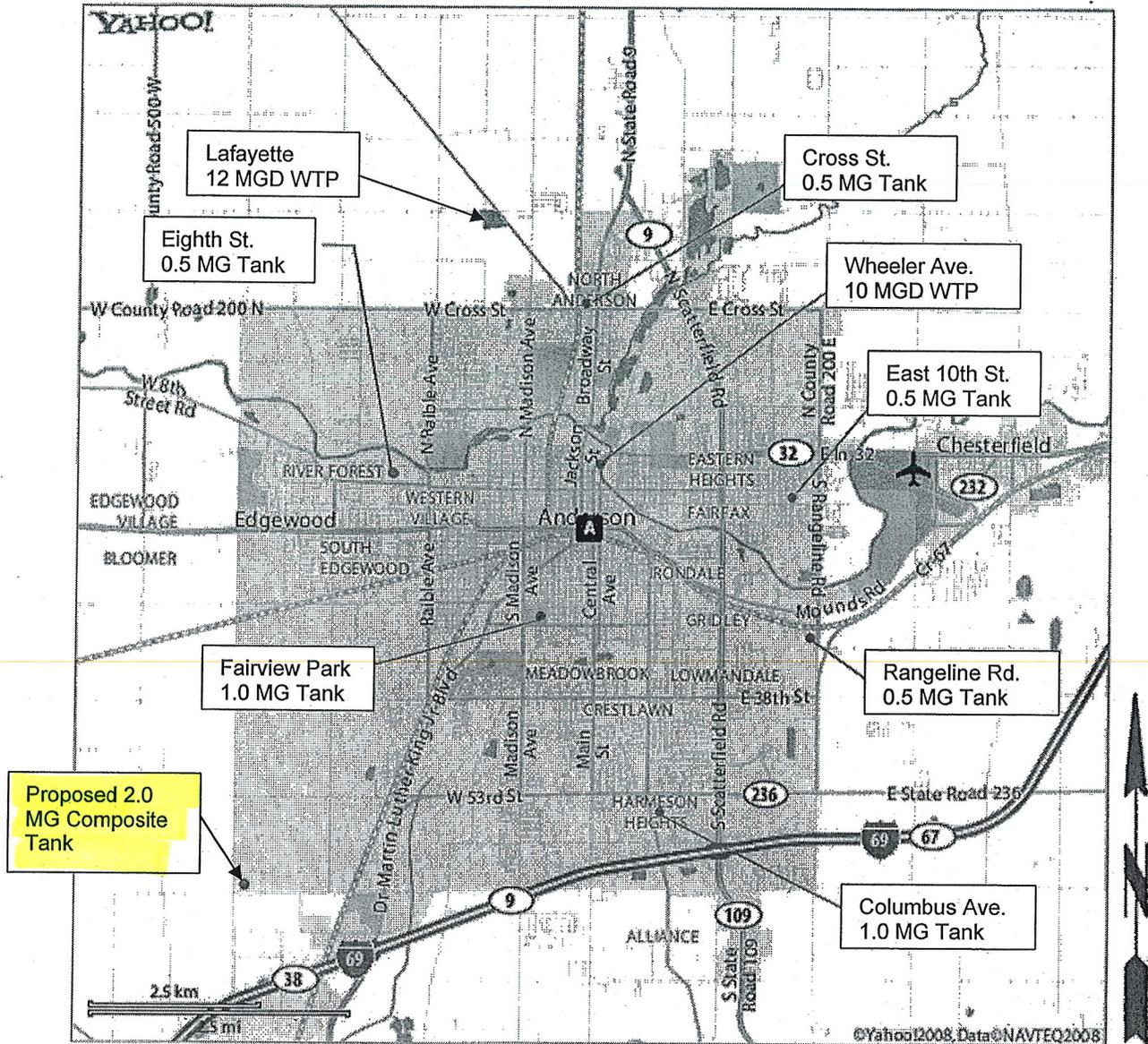
VIII. MITIGATION MEASURES

The city's PER states: *Precautions shall be taken during construction to prevent erosion and sediment transport. Efforts shall be made during construction to minimize disturbance of trees and existing vegetations. Project plans shall include requirements for construction sequencing and both temporary and permanent erosion control measures. All disturbed areas shall be re-vegetated or permanently stabilized by other means of landscaping. Temporary vegetation growth is established. Concentrated flow areas shall be stabilized with erosion control blankets.*

A Rule 5 permit is required through IDEM for construction/ Stormwater Pollution Prevention. This plan shall be approved by the Madison County Soil and Water Conservation District and recommended for approval to IDEM. The County SWCD will routinely inspect the construction area to insure the appropriate measures are taken to minimize erosion and sediment transport off-site. All mitigating measures recommended by reviewing authorities shall be implemented for this project.

IX. PUBLIC PARTICIPATION

A properly noticed Public Hearing was held on March 31, 2009 at 3:30 pm in the 5th Floor Conference Room of the City Building, located at 120 East Eighth Street, Anderson, IN. There were no written comments received by the utility during the 5-day period following the public hearing.



Location Map for City of Anderson Major Waterworks Components
Map Source: <http://maps.yahoo.com>

Exhibit 1

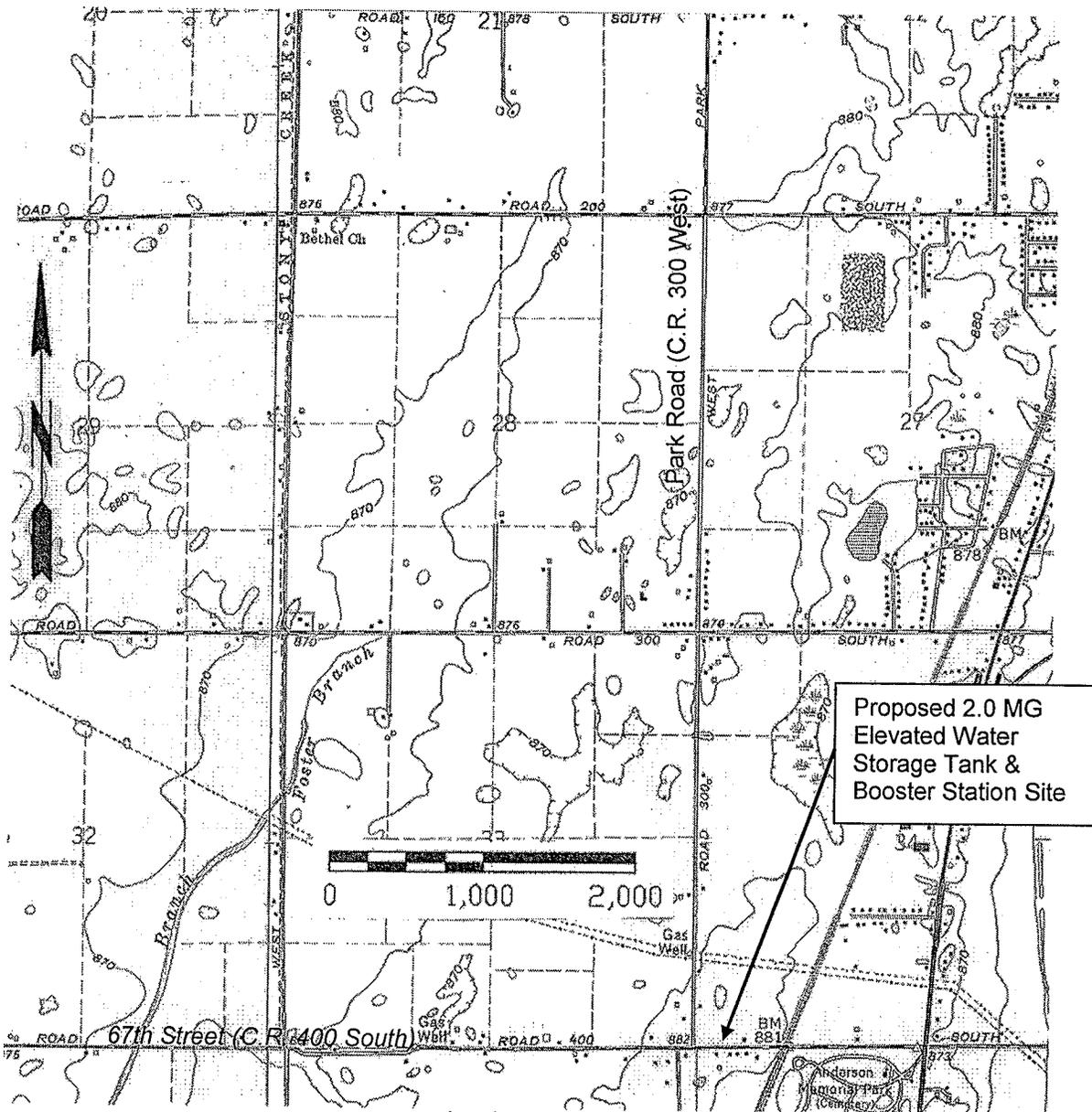
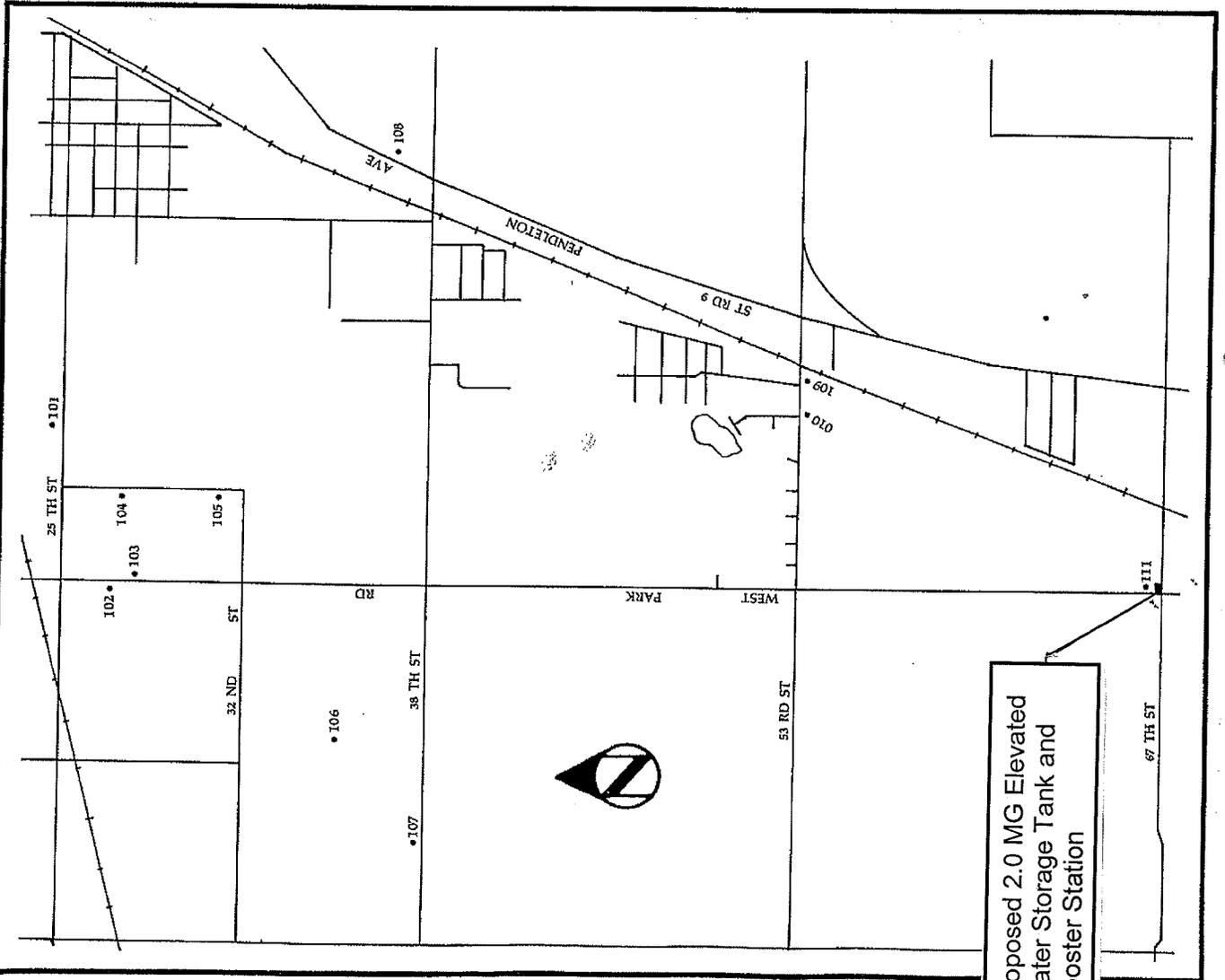


Exhibit 2

City of Anderson Proposed 2.0 MG Elevated Water Storage Tank & Booster Station
Anderson, T 19 N, R 7 E, SW 1/4 Section 34
(Anderson South USGS Map, Rev. 1994)



- 101 C House, 2904 West 25th Street; Bungalow, c.1915; Architecture (015)
- 102 C Farm, 2631 Park Road; Carpenter-Builder/Free-Classic, c.1890; Architecture (015)
- 103 C House, 2720 Park Road; Bungalow, 1927; Architecture (015)
- 104 C House, 2709 Moore Road; English Cottage, c.1925; Architecture (015)
- 105 N House, 3021 Moore Road; Bungalow, c.1925; Architecture (015)
- 106 C House, 3905 West 32nd Street; Carpenter-Builder, c.1890; Architecture (015)
- 107 C House, 4250 West 38th Street; Nineteenth Century Functional, c.1895; Architecture (015)
- 108 C House, 3324 Pendleton Avenue; Carpenter-Builder, c.1890; Architecture (015)
- 109 C House, 2831 West 53rd Street; Carpenter-Builder, c.1885; Architecture (015)
- 110 N House, 2931 West 53rd Street; Carpenter-Builder, c.1890; Architecture (015)
- 111 C House, Park Road; Carpenter-Builder, c.1895; Architecture (015)

Anderson Scattered Sites (40001-111)
Exhibit B

Figure 5.2.1 Madison County Interim Report Map



Figure 5.3.1 Wetland Map for Proposed Tank Site

Source: Indiana GIS Website
http://129.79.145.7/arcims/statewide_mxd/index.html

Wetland Area



Exhibit 4



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
ANDERSON,
INDIANA
MADISON COUNTY

PANEL 6 OF 6
(SEE MAP INDEX FOR PANELS NOT PRINTED)

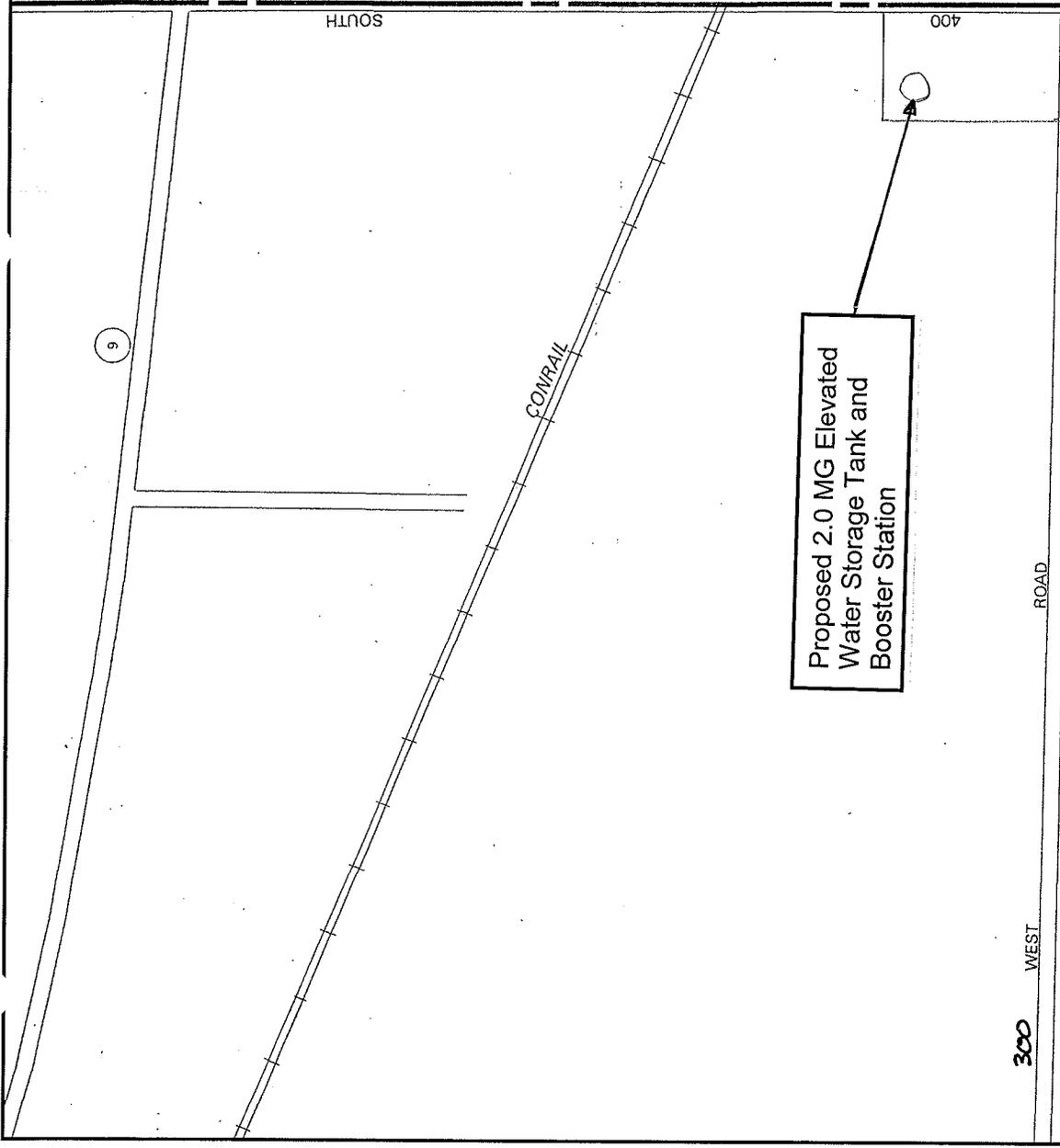
COMMUNITY-PANEL NUMBER
180150 0006 C



MAP REVISED:
FEBRUARY 16, 1994

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



Proposed 2.0 MG Elevated
Water Storage Tank and
Booster Station

300 WEST ROAD
(PARK ST.)

SOUTH

400

CONRAIL

9

5.6.1 FEMA FIRM Floodplain Map

Exhibit 5