



OFFICE OF
CITY ENGINEER

MEMO TO: U.S. Department of Agriculture
Lake County Zoning Office

FROM: William J. Heyer *WJH*
City Engineer

DATE: January 26, 1995

RE: Environmental Review - Hazard Mitigation Grant (FEMA)
Madison Floodproofing - Water & Wastewater Treatment Plants

The City of Madison, South Dakota, is applying for a Hazard Mitigation Grant to help finance the floodproofing of the water and wastewater treatment plants. The project involves the construction of a 3 foot high concrete masonry floodwall, a 2 foot high earth berm floodwall, and the addition of a 150 KW standby generator at the water treatment plant. A 4 foot high by 8 foot wide earth berm flood wall will be constructed at the wastewater treatment plant. The City of Madison's water and wastewater treatment plants were flooded during 1993. The water treatment plant is located within the City of Madison, and the wastewater treatment plant is located outside of the City Limits.

The Hazard Mitigation Grant Program requires that the option of doing nothing at the project sites, as well as the project itself, be exposed to an environmental review. If your agency has any comments on that option please include them as well.

Enclosed for your review are two project maps. If further information is necessary, please call. In order to complete the environmental review in a timely manner, I respectfully request your comments on the project as it pertains to your agency by February 10, 1995.

Thank you in advance for your cooperation in this matter.

cc: Tom Bush

FOURTH STREET S.E.

PROPOSED 150 KW
STANDBY GENERATOR

CITY OF MADISON
WATER TREATMENT
PLANT BUILDING

UNDERGROUND
WATER STORAGE
CLEARWELL

PROPOSED 3'± HIGH
CONCRETE MASONRY
FLOODWALL

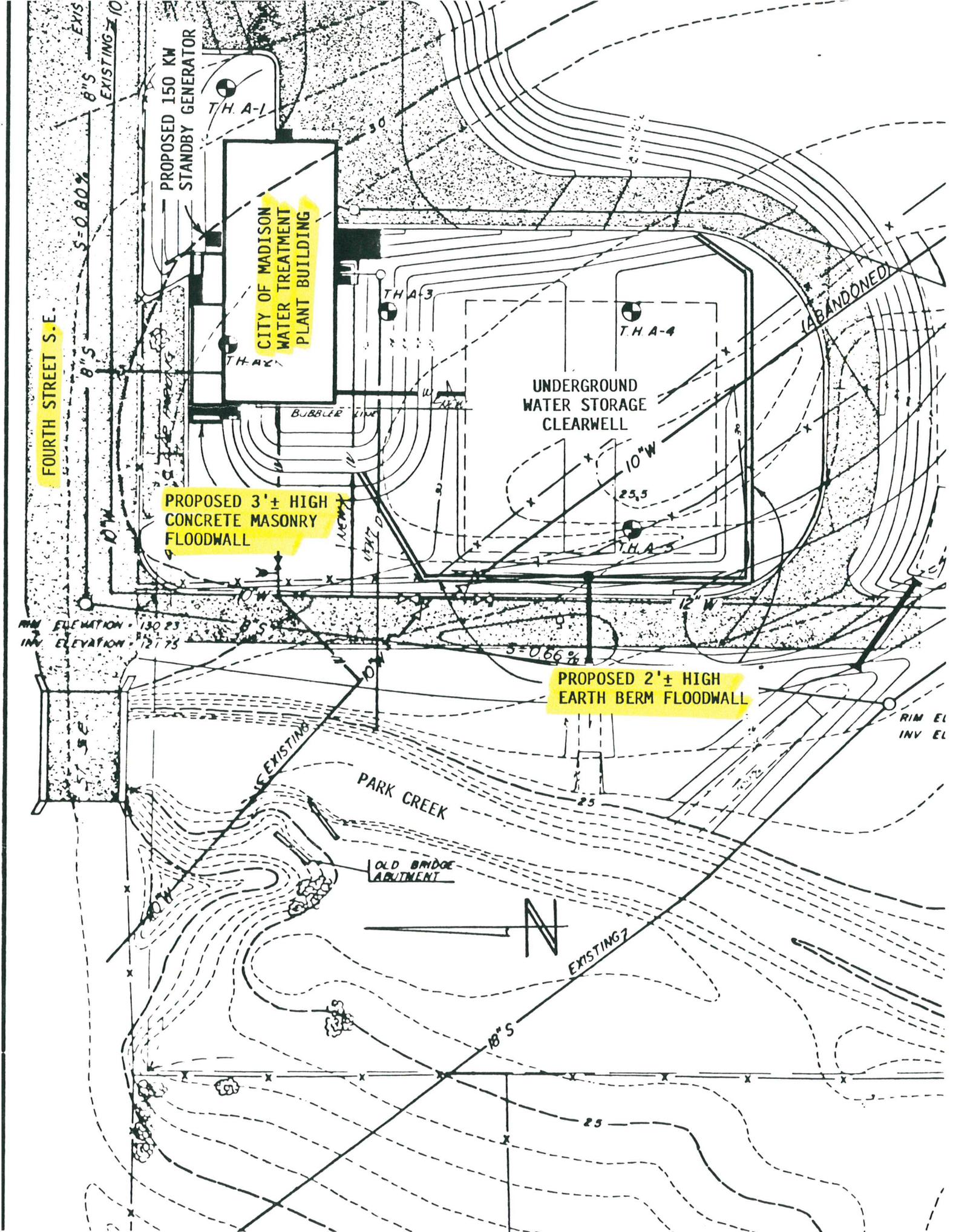
PROPOSED 2'± HIGH
EARTH BERM FLOODWALL

RIM ELEVATION = 130.25
INV. ELEVATION = 121.75

RIM EL
INV EL

PARK CREEK

OLD BRIDGE
ABUTMENT



BRIDGE

EXISTING ROAD

EXISTING DRIVEWAY

SILVER CREEK

PROPOSED 4' ± HIGH x 8' ± WIDE
FLOOD WALL EARTH BERM WITH
4:1 SIDE SLOPES (TOP OF
DIE 1644' ±)

T.M. NO. 2

T.M. NO. 3

CITY WASTEWATER
TREATMENT PLANT

S. D. HIGHWAY NO. 34

SCALE

NG
1647' ±

