



# City of Grand Island

Tuesday, December 23, 2003

Council Session

## Item E8

### Public Hearing on Application for Natural Resources Development Funds for Northwest Grand Island Flood Project

**Background:**

*The Federal Emergency Management Agency (FEMA) has maps that show the 100 year flood plain as generally north of Capital Avenue and west of Webb Road with an additional area between US Highway 281 and Webb Road bounded by State Street on the south and Capital Avenue on the north. Properties within this flood plain area are required to pay for flood insurance unless they have the property surveyed and removed from the flood plain by a letter of map amendment. A number of properties have been surveyed and some remain within the 100 year flood plain while others have had the map amended and their property removed from the flood plain.*

**Discussion:**

*Please see the attached document.*

**Financial Implications:**

*The total project is estimated at \$15.5 million dollars. The city is working with the Central Platte Natural Resources District (CPNRD) to prepare an application for Natural Resources Development Funds for \$9.3 million dollars for the project. The City of Grand Island and the CPNRD would share in the remaining \$6.2 million. The project is being proposed as phased over 10 years to reduce the impact on the budget.*

**Recommendation:**

*Conduct a Public Hearing.*

**Alternatives:**

*It is appropriate to solicit public comment. The action item is contained under the Consent Agenda.*

Staff Contact: Steve Riehle, Public Works Director/City Engineer

### **Discussion**

The City of Grand Island is working with the Central Platte Natural Resources District (CPNRD) on a flood study of Northwest Grand Island. The study includes the Prairie and Silver Creeks and their impact when they overflow into Grand Island and flood the Moores Creek drain ways that have been constructed in western Grand Island.

The study shows that the extent of a 100 year flood will be much larger than the area covered by FEMA's maps. The study shows a significant portion of the city west of US Highway 281 from US Highway 30 to NE Highway 2 will be flooded in a 100 year flood.

Areas have been selected for constructing flood control measures that would virtually eliminate the 100 year flooding with in the city limits and substantially reduce the 100 year flooding in the county along the Prairie and Silver Creeks upstream from Grand Island.

If constructed the project would prevent flooding damage to properties estimated to total millions of dollars in damage.

|                              |                 |
|------------------------------|-----------------|
| Agricultural Land Impact     | \$ 2.77 Million |
| Rural Residential Impact     | \$ 2.05 Million |
| Urban Residential Impact     | \$30.12 Million |
| Business Impact              | \$27.36 Million |
| <br>                         |                 |
| Total Predicted Flood Damage | \$62.30 Million |