# Comprehensive Flood Protection

CITY COMMISSION INFORMATIONAL MEETING
AUGUST 20, 2012

### Comprehensive Flood Protection

#### Current Floodplain

- o 38.5 Feet River Gage (29,300 cfs)
- 475 Impacted Structures
- o 19,700 Acres Impacted

#### Preliminary Floodplain

- o 39.4 Feet River Gage (29,300 cfs)
- Approx. 2,300 Impacted Structures
- o 27,600 Acres Impacted

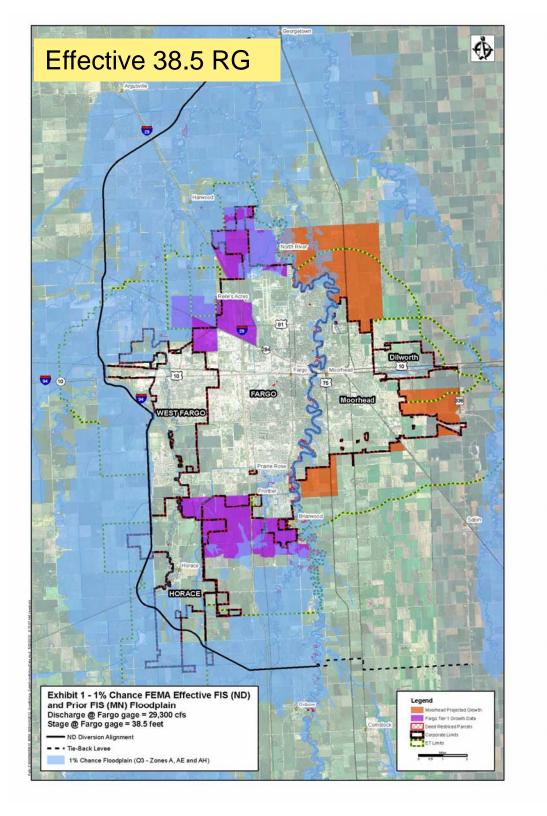
#### Flood of Record

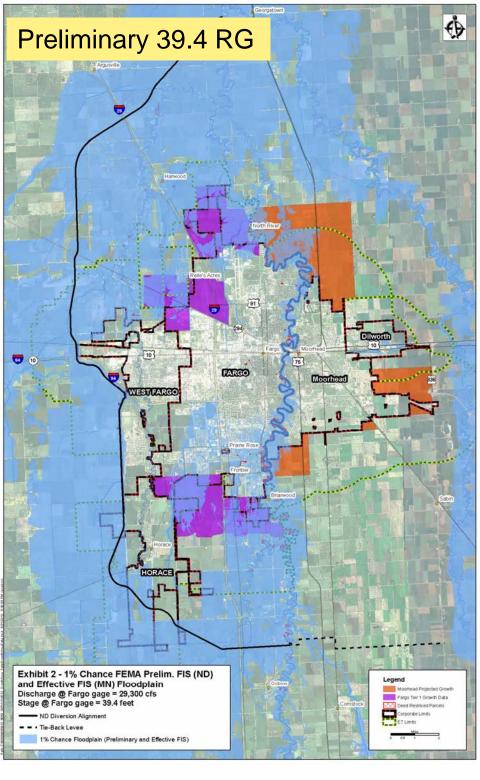
o 40.8 Feet River Gage

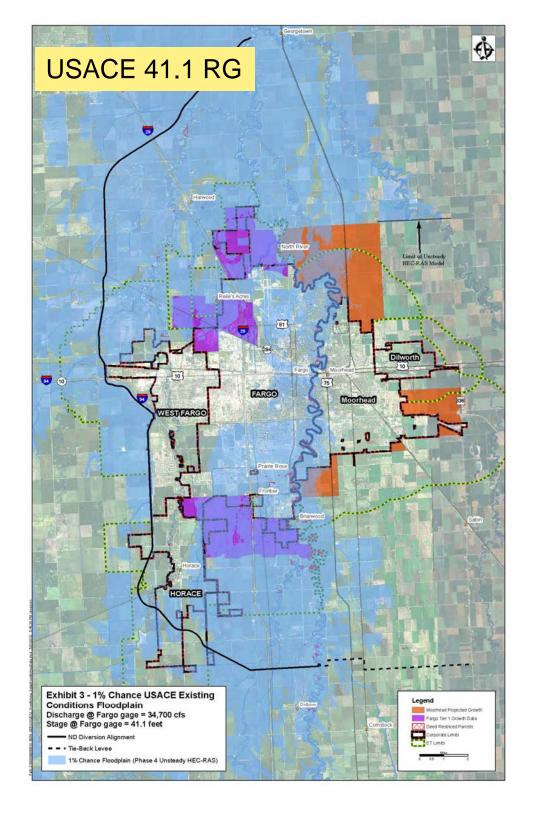
#### Future of the Floodplain

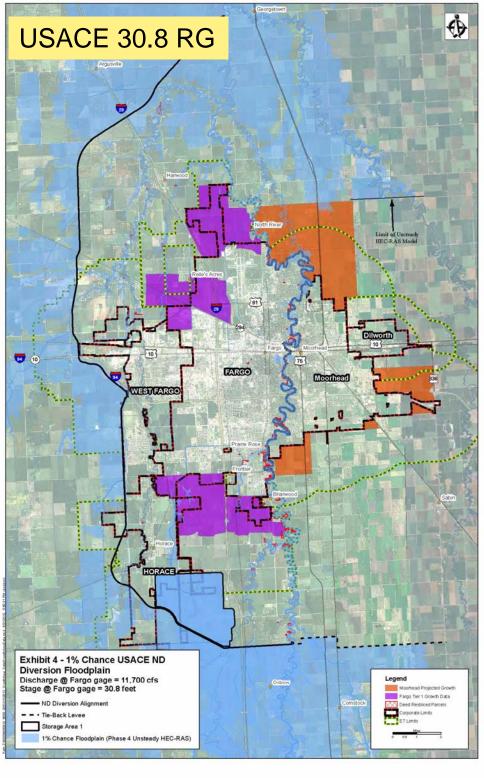
- USACE 41.1 River Gage (34,700 cfs)
- Approx. 19,400 Impacted Structures
- o 36,430 Acres Impacted

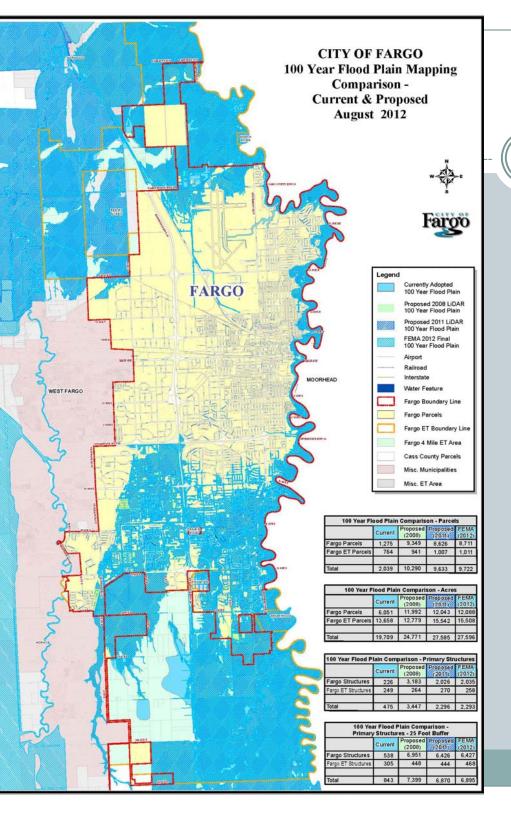






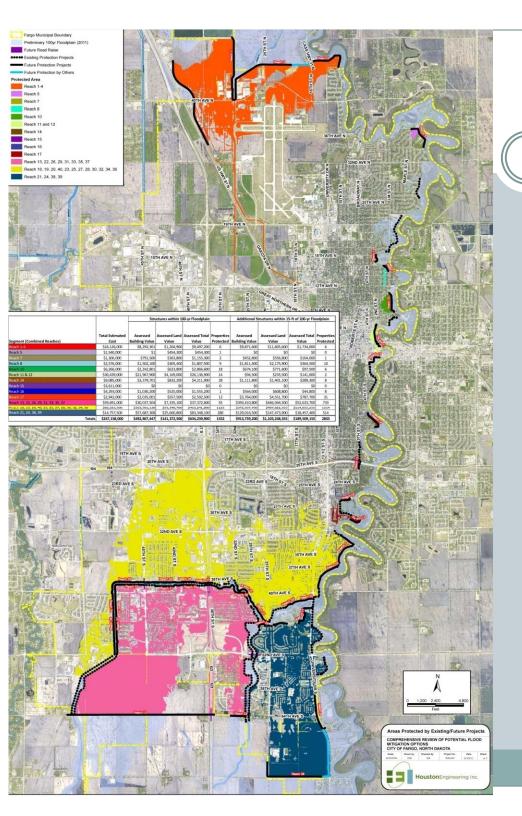






### **Map Process**

- Currently under review
  - Street Names,
     Jurisdictional Boundaries,
     Inundation Areas, etc.
- Anticipated Adoption
   Summer 2013
  - Newly mapped properties
     Eligible for a lower- cost
     Preferred Risk Policy
     (PRP) for two years from the map revision date.
  - Standard rate after two years (2016)



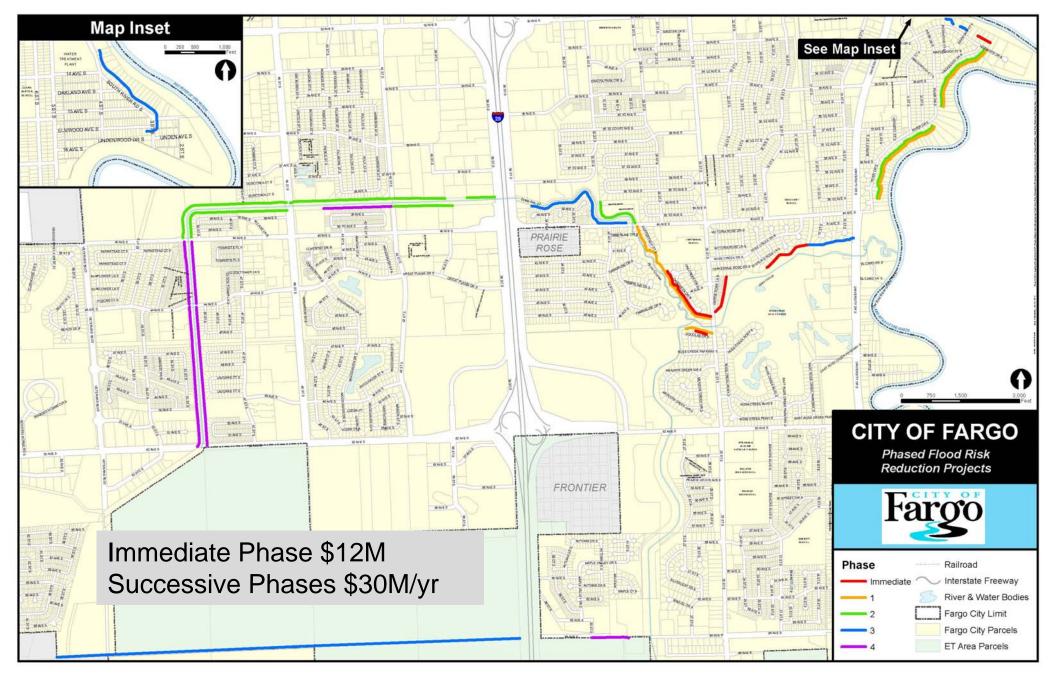
### Comprehensive Plan

- Certifiable Protection From the Preliminary Floodplain (39.4 Feet)
- Only Proposed Projects If Protection Extended to Interior Property
- Identified an Estimated \$247 M in Projects
- Would require
  - 197 residential buyouts
  - 5 commercial/Industrial buyouts

### Comprehensive Plan

- Area South of I-94 was identified as having a greater area at risk
- Yellow area has approx 1,500 structures in floodplain
- Recognizing funding limitations staff sought to prioritize potential projects

# **Summary of Phasing**



- Rose Creek Phase II-Floodwall/Levee Construction
- Harwood Groves Acquire 437, 501, 509 & Construct levee.
- Oak Creek/Coulees
  Crossing Acquisition, &
  Deconstruction of
  Homes

#### Criteria Considered

President

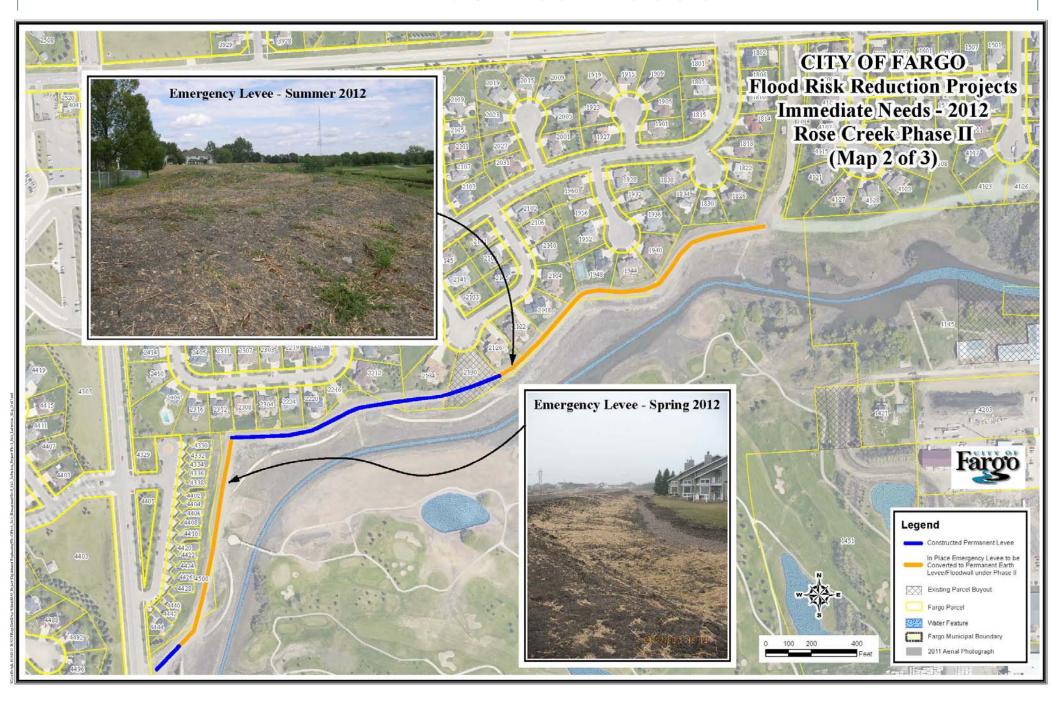
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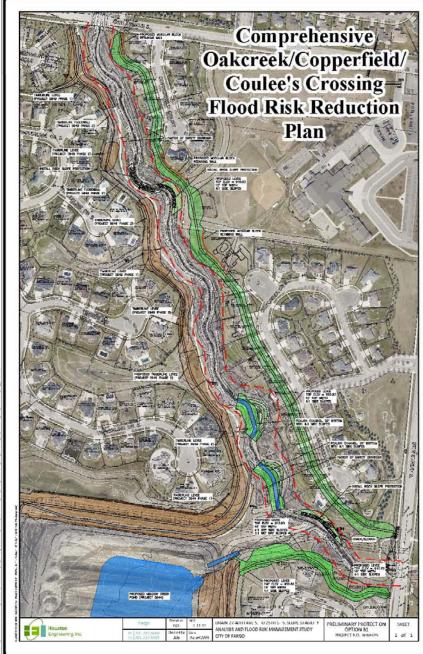
Ability in thomself

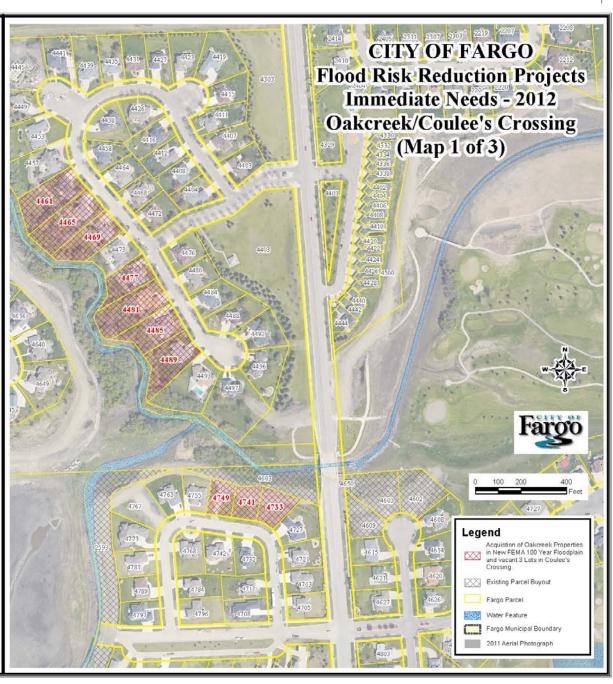
Percent Development of

Buyout Offer allong

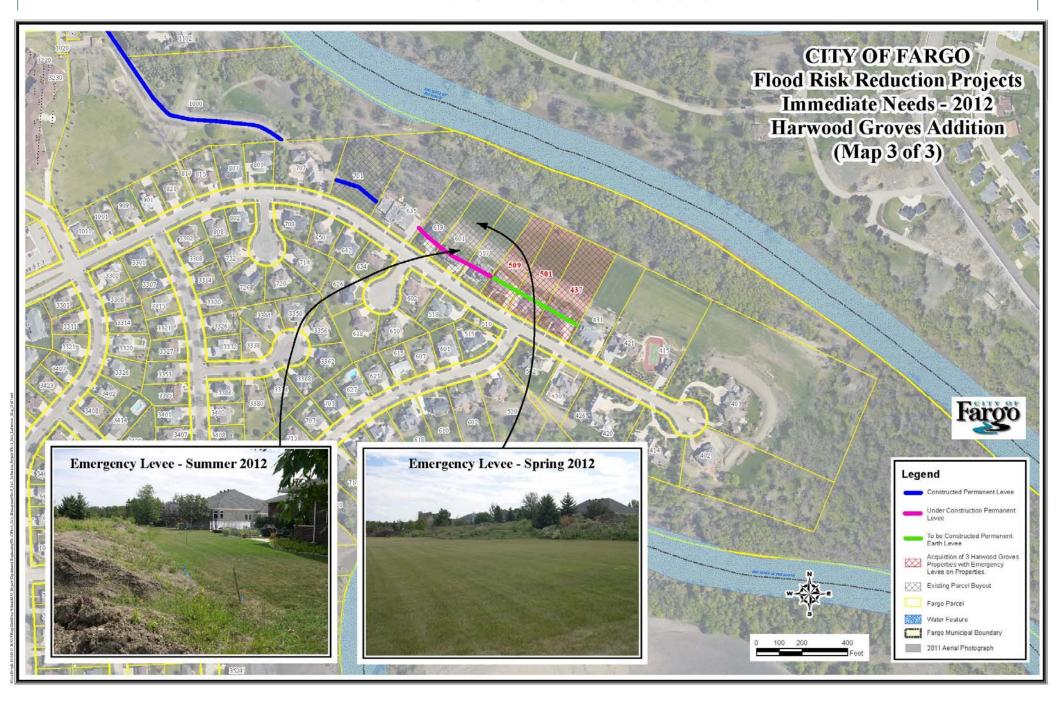
- Floodplain
- Will decrease emergency measures
- Eliminates flood insurance for those properties
- Moves us toward the goal of neighborhood protection





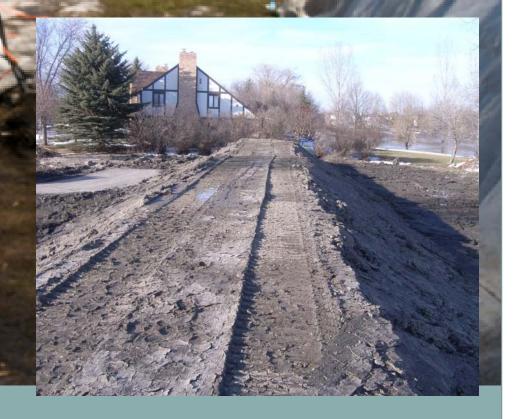


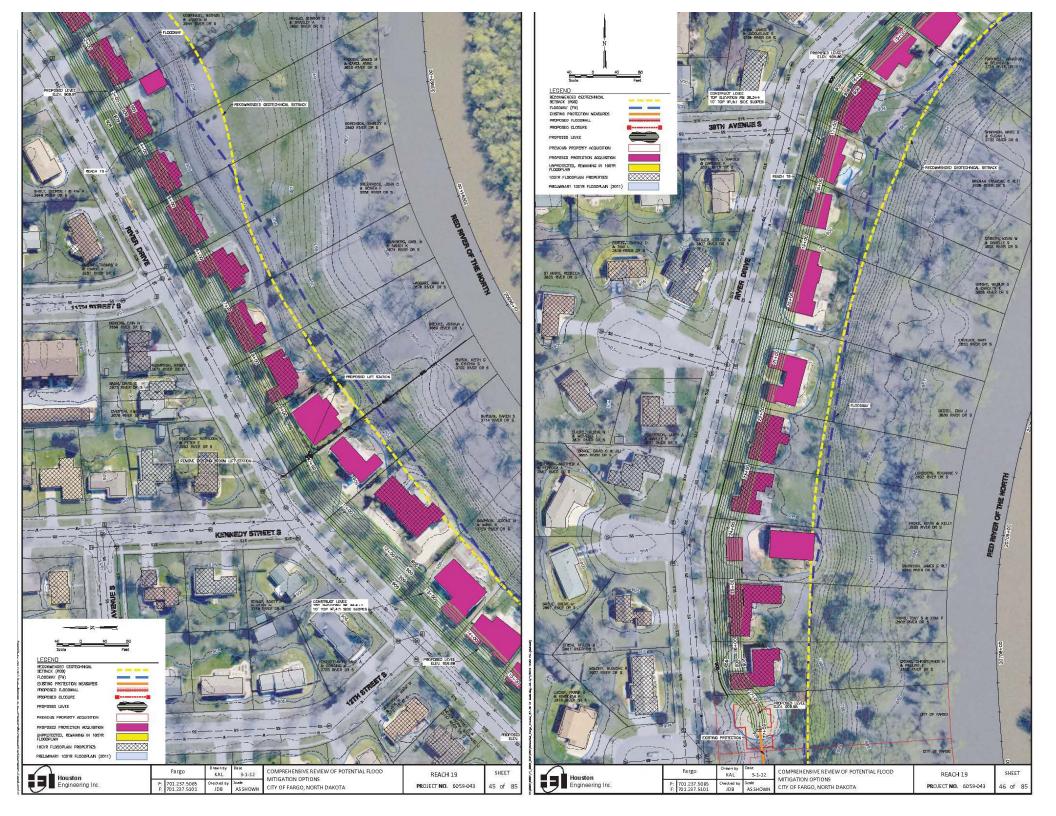
benga 66.0013 ECCFF op Dan Deg Makali H. Dayer Objetinasi Papisasi (Pre-CPs-C), Kampinar Belg. (3.2), Jebesia, Jeg. Bag. Bag. Ba



- Oak Creek Acquire & Deconstruct Remaining Creek Side Homes, Levee Construction
- Copperfield Court
  Acquire & Deconstruct
  Creek Side Homes, Le
  Construction
  - Coulees Crossing Levee
    Construction

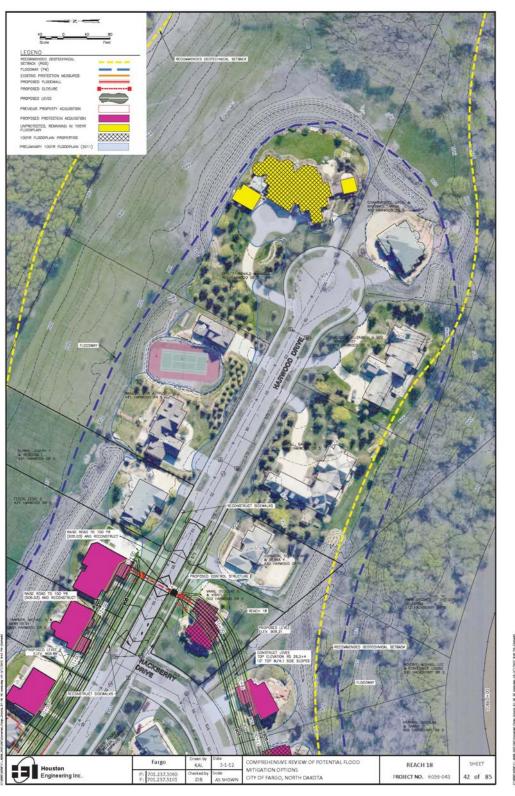
- River Drive Acquire & Deconstruct 30 Homes
- Hackberry Drive Acquire & Deconstruct 10 Homes





Drain 27 west of I-29 River Drive Levee 36th to 42nd Street Construction Levee/Floodwall Hackberry Drive Levee Construction Construction Drain 27 N Side 42nd to -Mistwood Townhomes 45th St Levee/Floodwal Acquire & Deconstruct Construction Structures, Levee Drain 27 45th St to 40th Construction Ave Level Floodwall **Drain 27 Floodwall** Construction Construction at 36th

Street



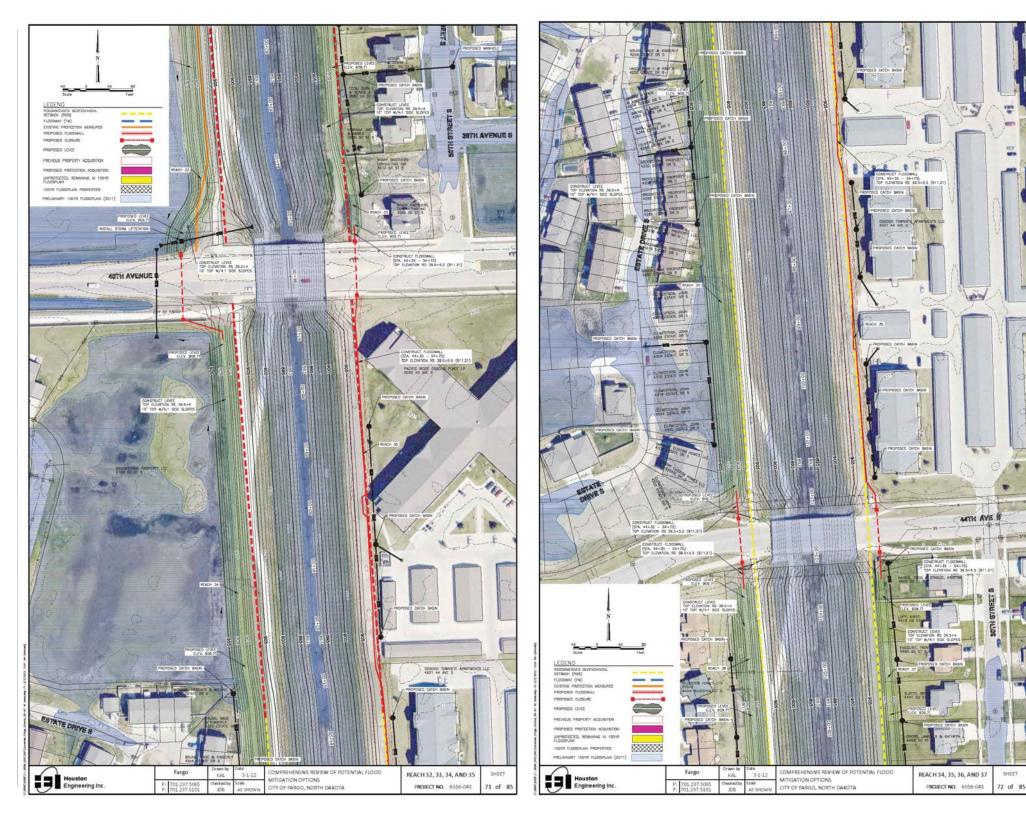


64th Ave South West of Rosewood Acquire & Deconstruct 5 Homes, 29 Levee Construction/Road Raise Levee Construction Larwood Dr. Acquire Prairie Rose Acquire & Deconstruct 35 Homes. Deconstruct 2 Homes, Levee/Floodwall **Levee Construction** Construction Belmont Park Acquire & **Deconstruct 30 Homes** Levee Construction

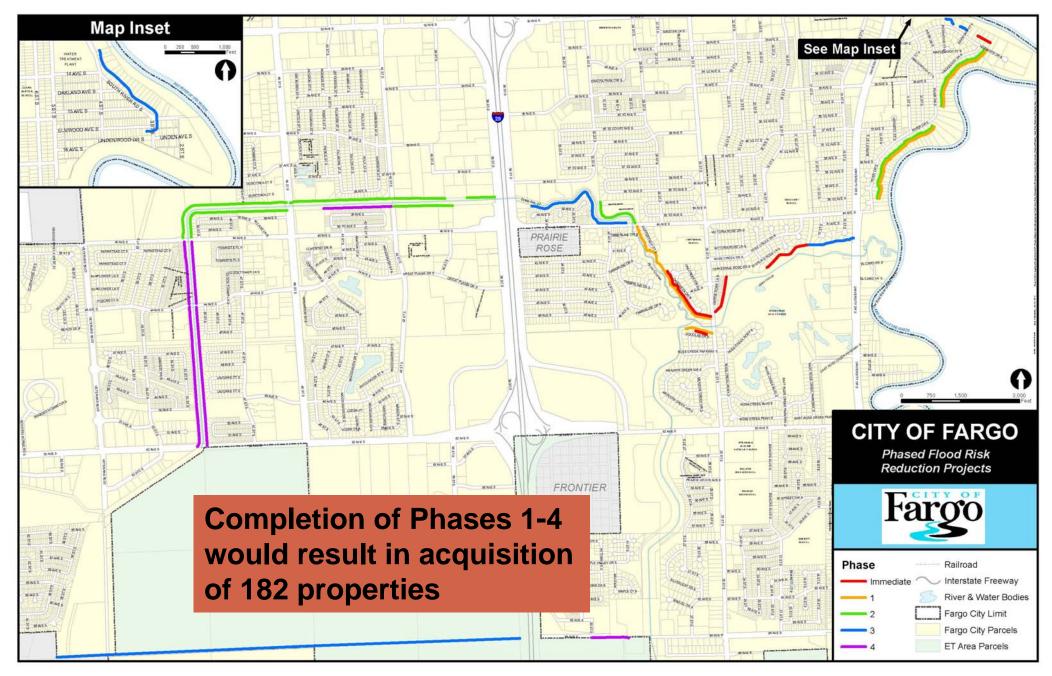


West of I-29 S Drain 27 42<sup>nd</sup> to 45<sup>th</sup> Street Acquire & Deconstruct 22 Twin-homes, Levee Construction Drain 27 40th to 44th Ave Levee/Floodwall Construction Drain 27 44th Ave to 52nd **Ave Levee Construction** 64th Ave S East of D53 Levee Construction





# **Summary of Phasing**



# Summary of Funding by Phase

Phase	Anticipated \$	Proposed Year	100 4
Immediate	\$11.4 M	2012	
Phase 1	\$31.3 M	2013	
Phase 2	\$30.3 M	2014	
Phase 3	\$34.8 M	2015	
Phase 4	\$24.9 M	2016	
Total	\$132.8 M		

## **Outstanding Issues**

