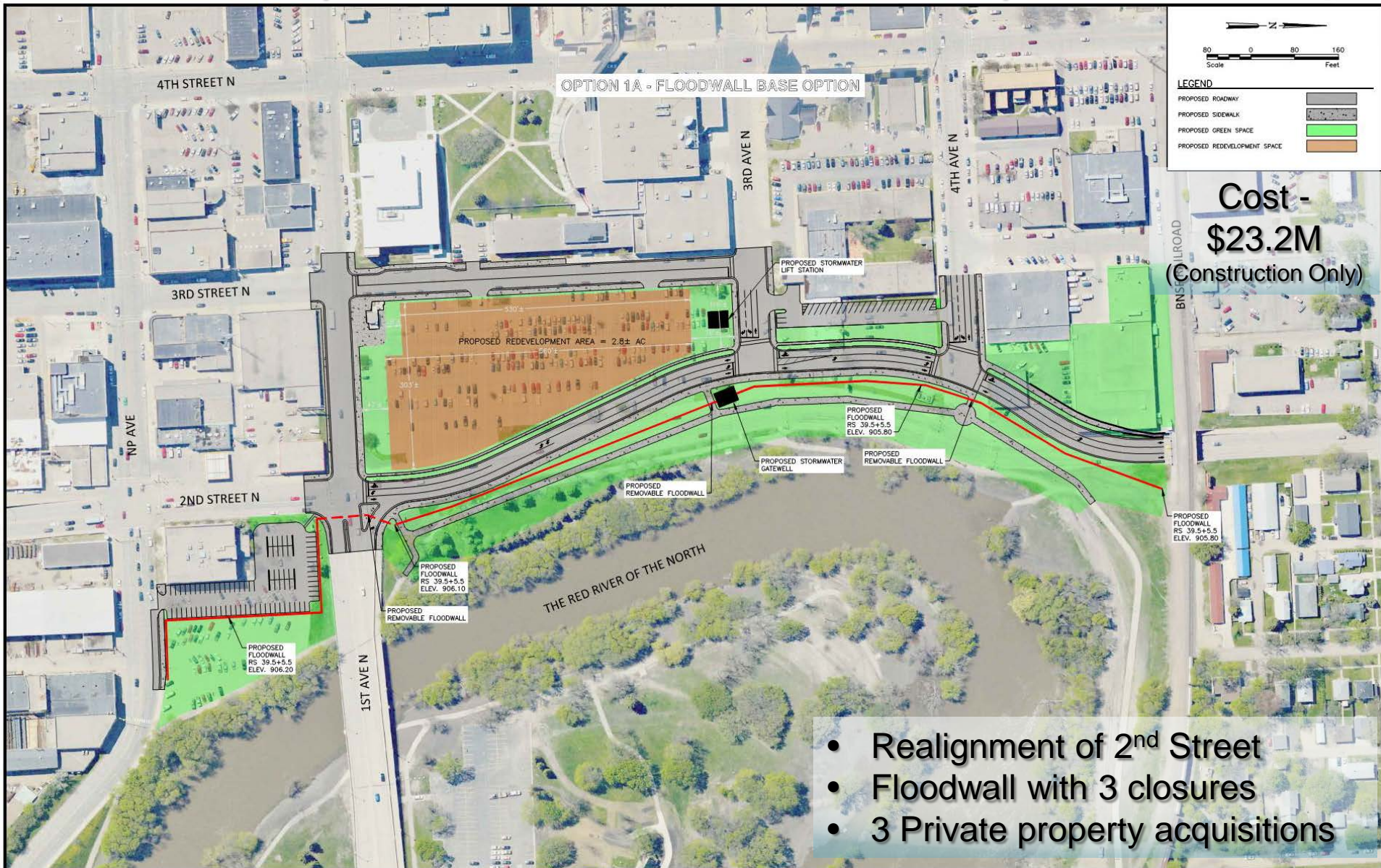


# Option 1A – Floodwall Base Option



**Cost -**  
**\$23.2M**  
 (Construction Only)

- Realignment of 2<sup>nd</sup> Street
- Floodwall with 3 closures
- 3 Private property acquisitions

No.	Revision	Date	By



Fargo  
 Drawn by JMW Date 8-28-13  
 Checked by RGE Scale AS SHOWN

2ND ST / DOWNTOWN FLOOD CONTROL PROJECT  
 CITY OF FARGO  
 FARGO, ND

OPTION 1A  
 BASE FLOODWALL OPTION  
 PROJECT NO. 6059-043 PH3

SHEET  
 1 of 4

## 1.1 OPTION 1A – BASE OPTION

Option 1A would provide flood protection through the installation of a concrete floodwall throughout the reach. In order to achieve the required geotechnical stability; this option would include the realignment of 2<sup>nd</sup> Street to the west in the area from the railroad embankment to 1<sup>st</sup> Avenue North. There would be a removable floodwall closure structure on 1<sup>st</sup> Avenue North. South of 1<sup>st</sup> Avenue, the floodwall would continue across the parking lot of the Case Plaza facility and a short distance parallel to 1<sup>st</sup> Avenue North. The floodwall would terminate at a point where the natural grade is above River Stage (RS) 39.5'. Two additional sections of removable floodwall are proposed in the section north of 1<sup>st</sup> Avenue in order to allow for access to the river both for recreational and maintenance purposes. The removable floodwall would consist of aluminum planks that would be erected before a flood event occurs. After the flood, the closure panels would be removed and stored.

All concrete floodwalls would be designed to have a top of wall height set at RS 39.5+5.5'. The resultant exposed stem height would vary from 1.5' to 14.8', with an average height through the reach of generally 7 to 10 feet.

This option would require the acquisition of three properties and partial taking of another.

The estimated construction cost for Option 1A is \$23.2M. This estimate is for the construction only and does not include the cost of property acquisition, utility relocation, design, or other related items.