

# Alternative A

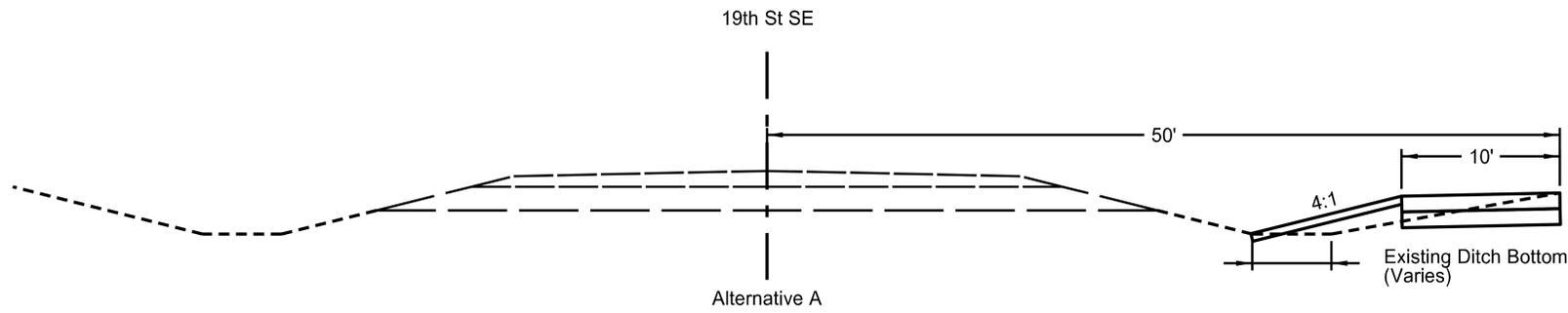
## Alternative A Description

Back of path at 50 foot from road centerline.  
 The path elevation is a best fit profile which eliminates peaks and valleys.  
 This grading method allows for grading without overtaking the ditch.

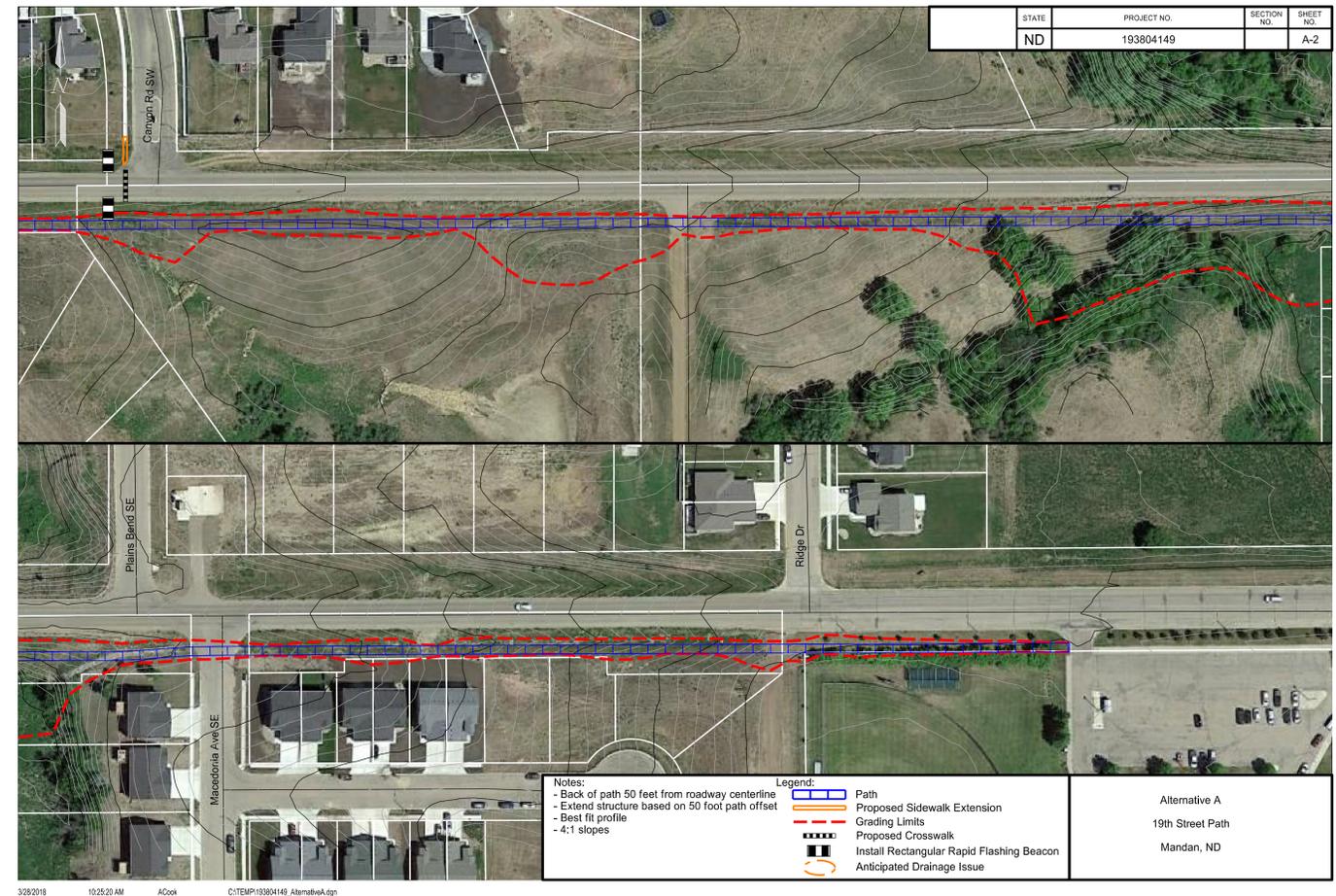
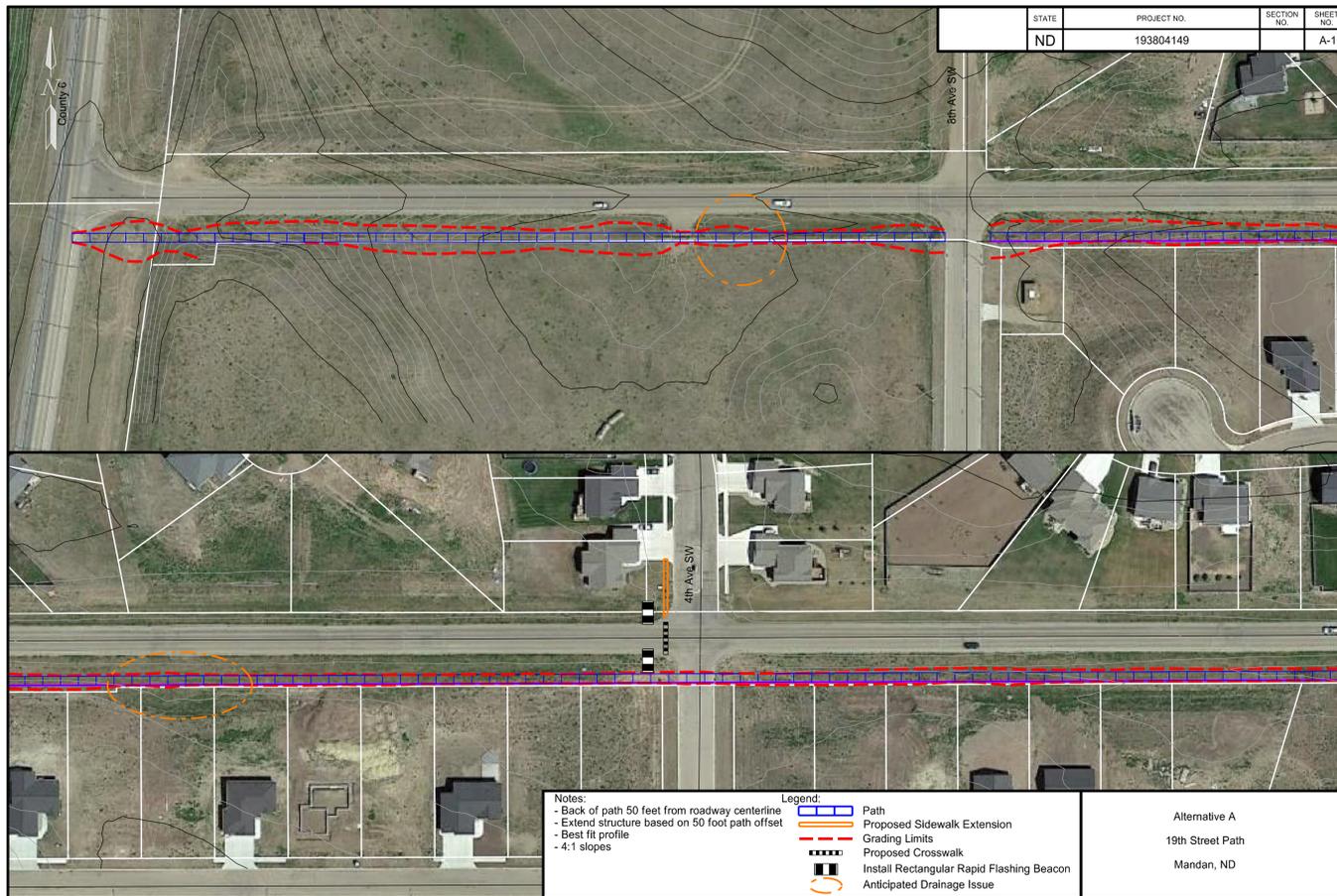
## Opinion of Probable Cost

Alternative A = \$599,375

## Typical Section



## Layout



# Alternative A - Ultimate

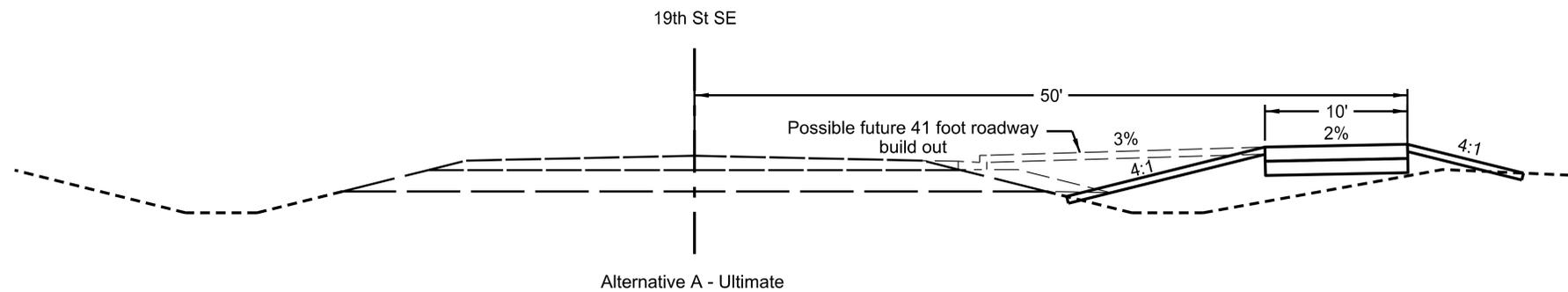
## Alternative A - Ultimate Description

The ultimate Alternative A path is based on a future 41-foot (back of curb to back of curb) roadway. Back of path is at offset 50 feet from road centerline. This would serve as the long term goal, but 4 to 1 backslope would overtake the existing ditch making it unfeasible as a short-term solution. However, it could be used to improve base Alternative A once a 41-foot roadway was determined needed.

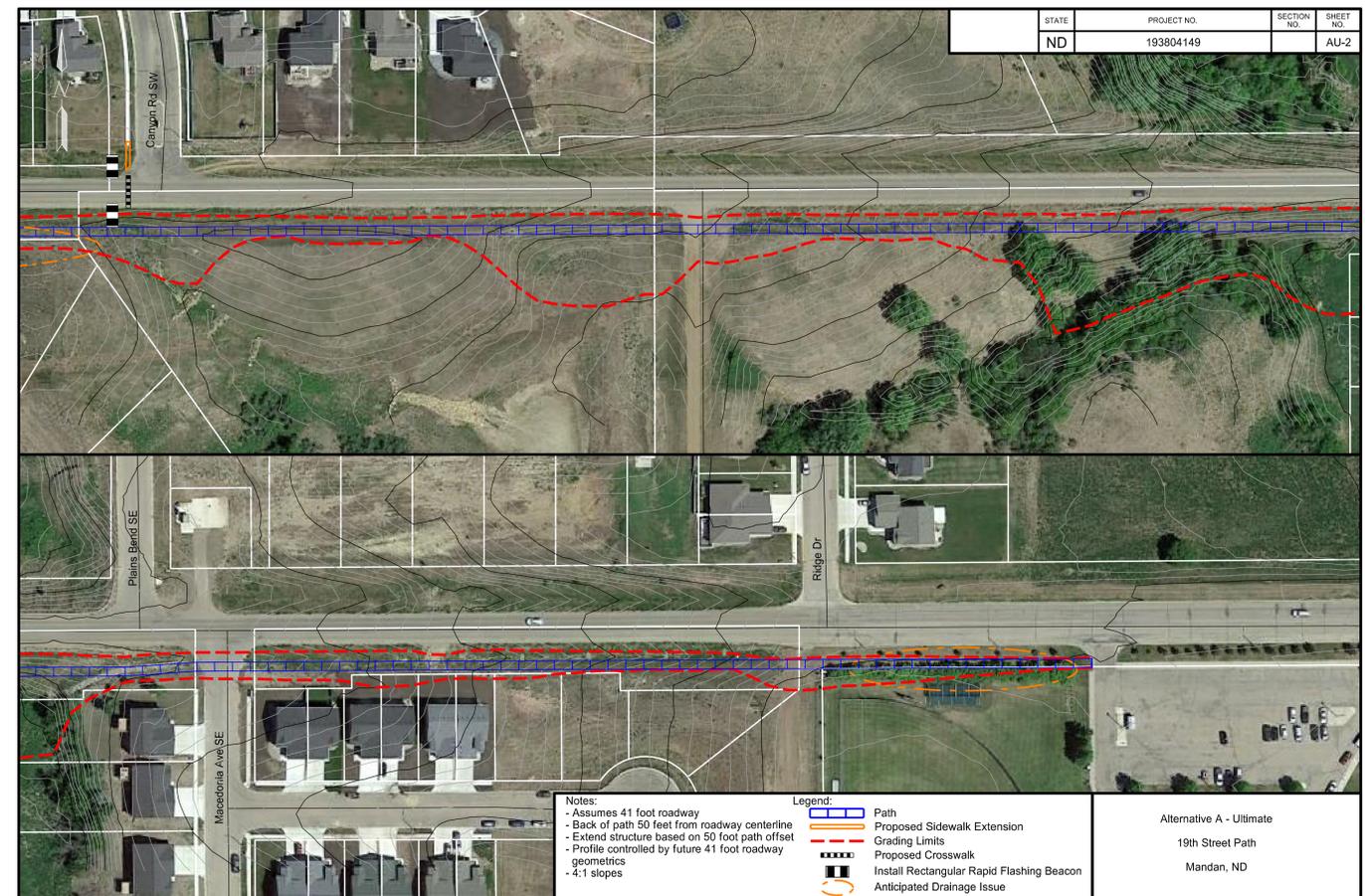
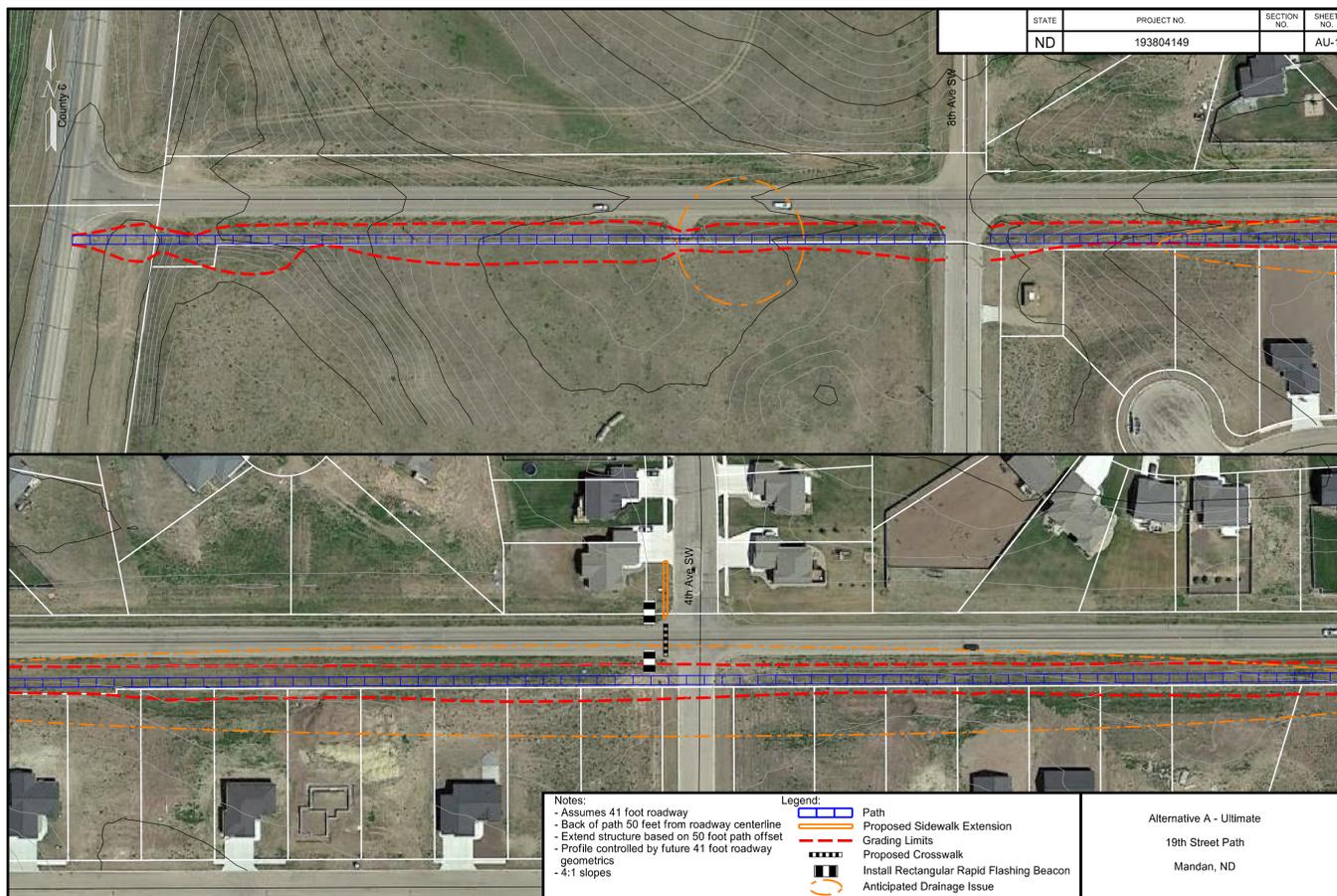
## Opinion of Probable Cost

No cost estimate was developed for this alternative because it was determined not feasible to construct ahead of a future roadway reconstruction project.

## Typical Section



## Layout



# Alternative A - Reduced Structure Option

## Alternative A - Reduced Structure Option Description

This option reduces path offset of the A Alternatives, in the area of the structure. At structure the path offset will be 34.5 feet and could be utilized with the existing roadway or accommodate a future 41-foot roadway without needing to be reconstructed.

## Opinion of Probable Cost

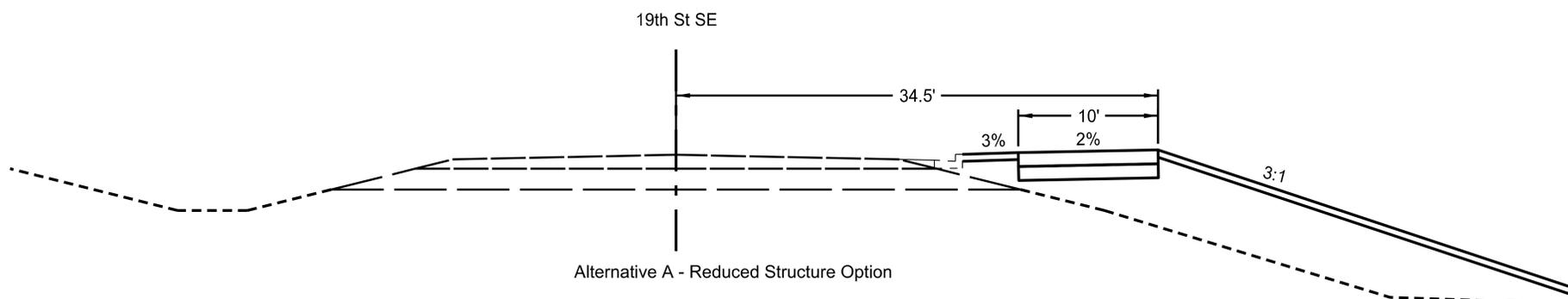
A cost estimate is calculated as:

$$(\text{Alternative A}) - (\text{structure Alternative A}) + (\text{reduced structure}) =$$

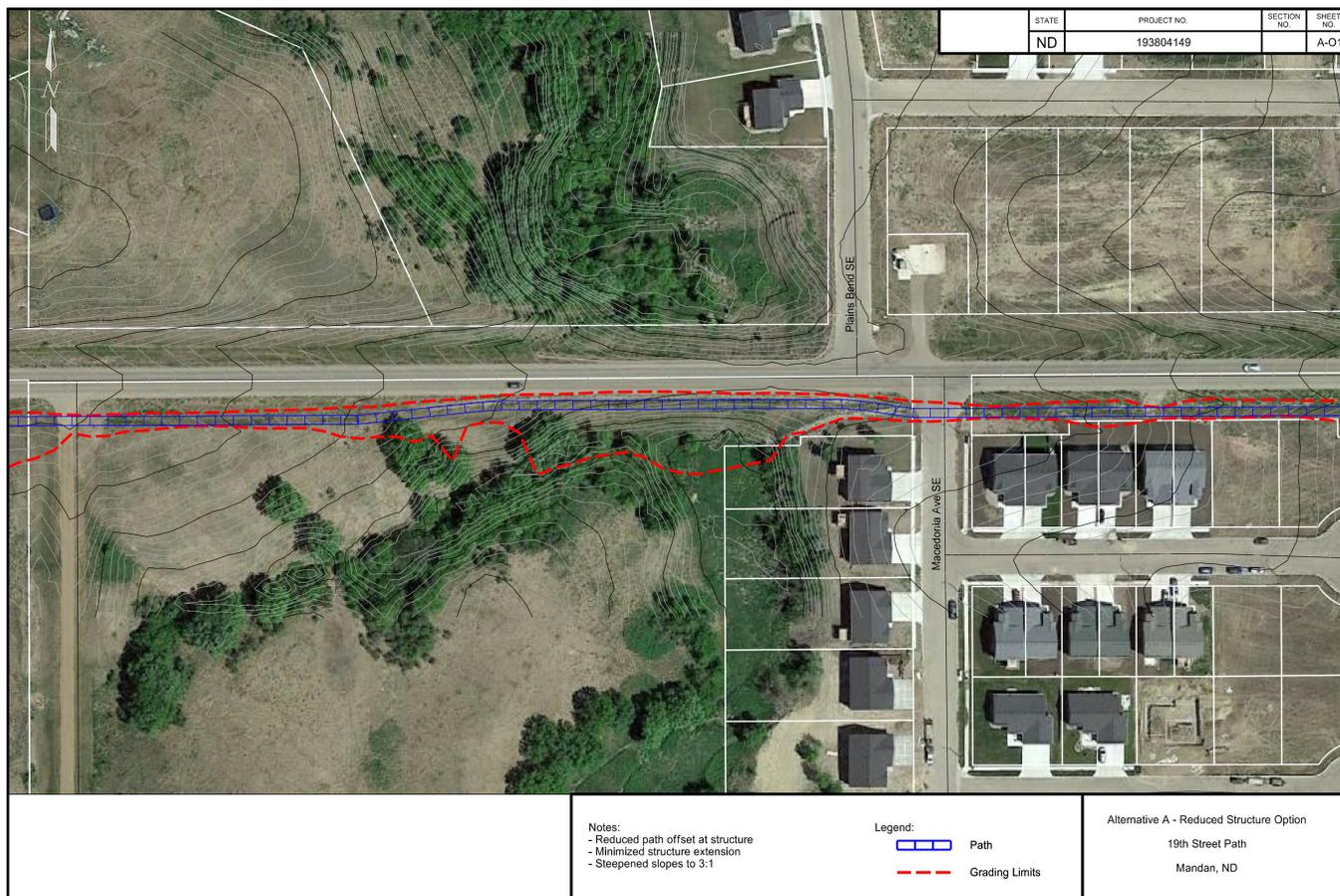
$$\$599,375 - \$241,730 + \$161,100 = \$518,745$$

**Alternative A - Reduced Structure Option = \$518,745**

## Typical Section



## Layout



# Alternative B

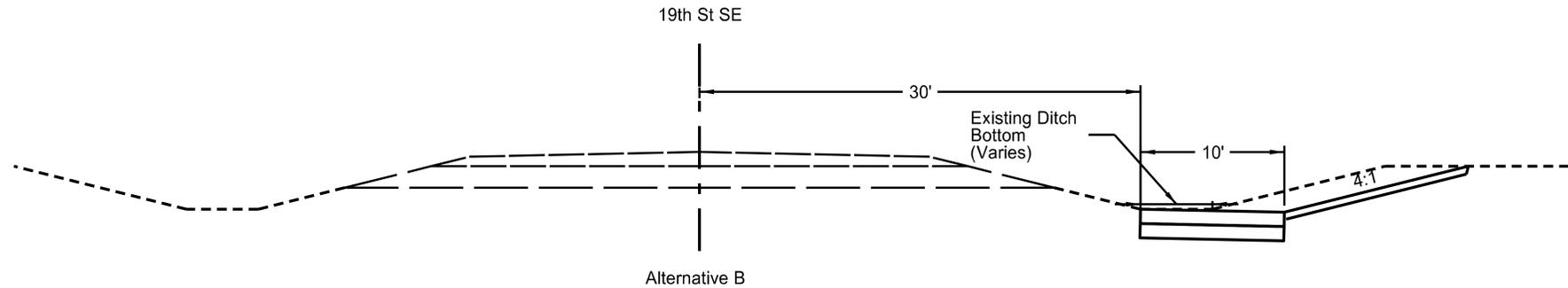
## Alternative B Description

Alternative B will follow existing terrain and require restriping at structure for lane shift to the north as well as reduced lane width on 19th Street. Section at structure would be as follows: 10-foot lanes with 3-foot shoulders, 10-foot path on south side.

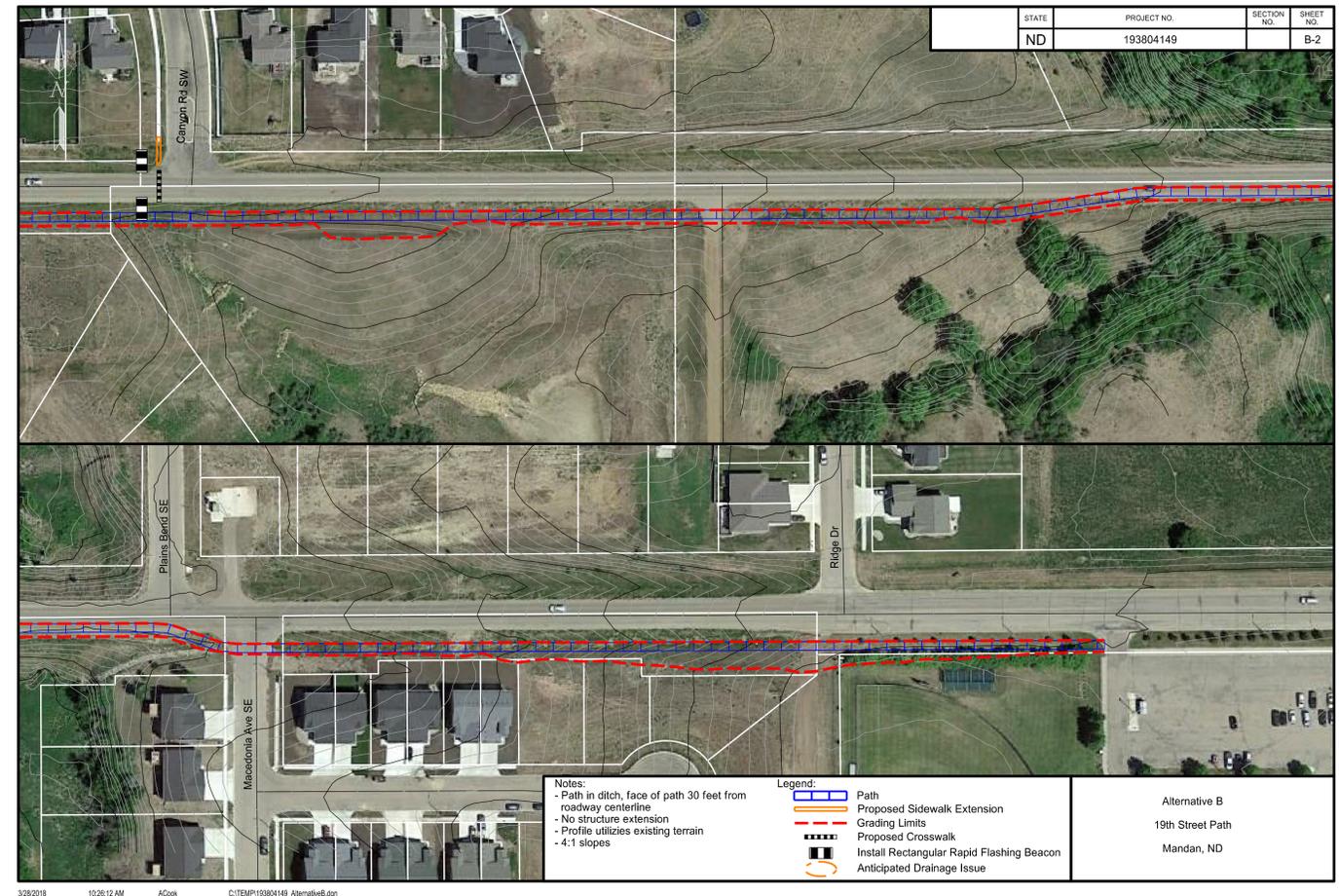
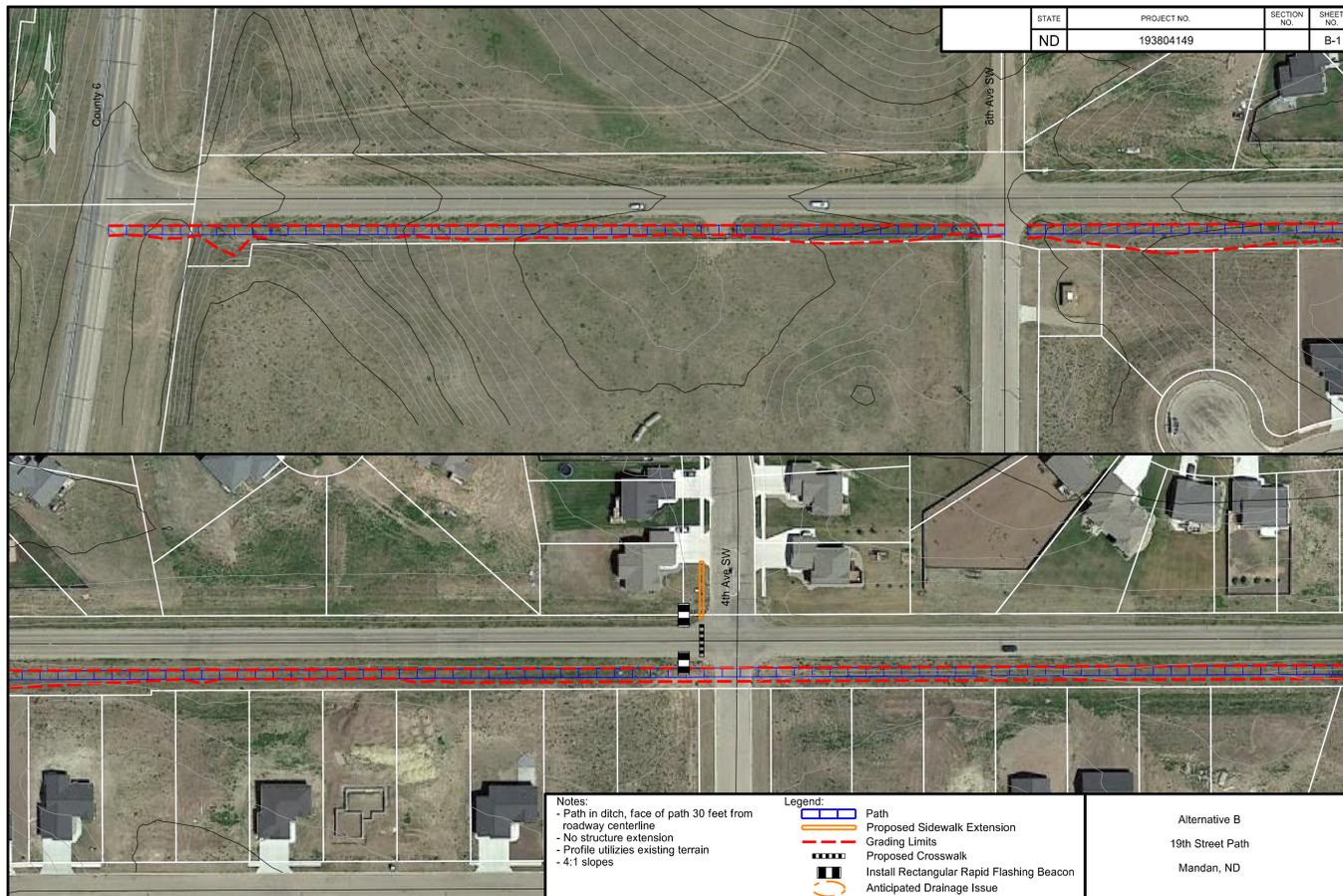
## Opinion of Probable Cost

**Alternative B = \$385,600**

## Typical Section



## Layout



# Draft Estimated Special Assessments

## Preliminary Opinion of Probable Costs

**Alternative A = \$599,375**  
(includes 15% Engineering/Administration)

**Alternative B = \$385,600**  
(includes 15% Engineering/Administration)

## Estimated Assessment per Property - Alternative A

**Tier 1 = \$654**

**Tier 2 = \$327**

## Estimated Assessment per Property - Alternative B

**Tier 1 = \$421**

**Tier 2 = \$210**

