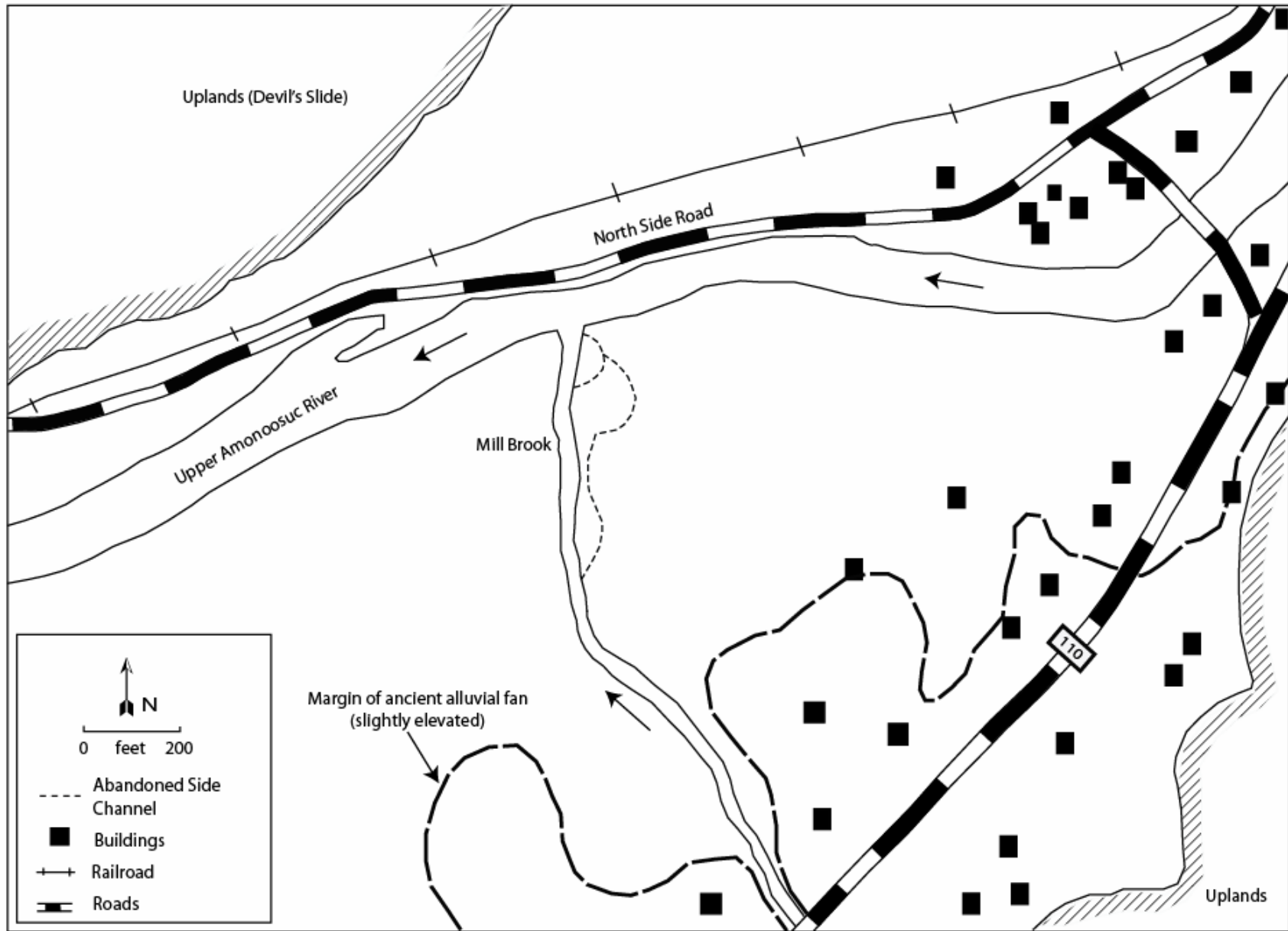


# Mill Brook Confluence - Do Nothing



# Do Nothing Option

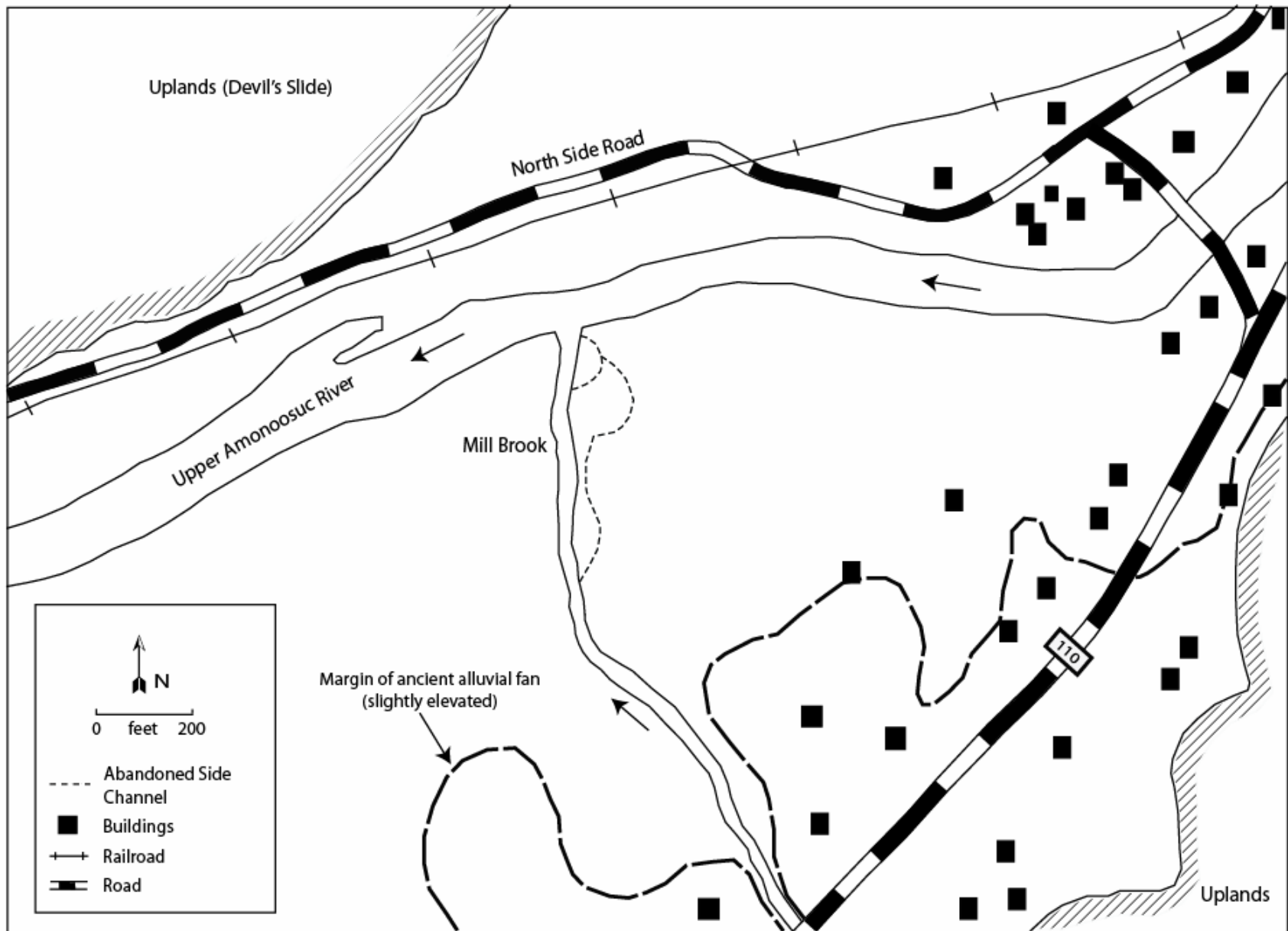
## Pros:

- No investment
- Avoid complicated setting
- Sediment inputs only during large floods

## Cons:

- Does not address public concerns
- Erosive pressures remain
- No habitat improvement

# Mill Brook Confluence - Road Relocation



# Road Relocation Option

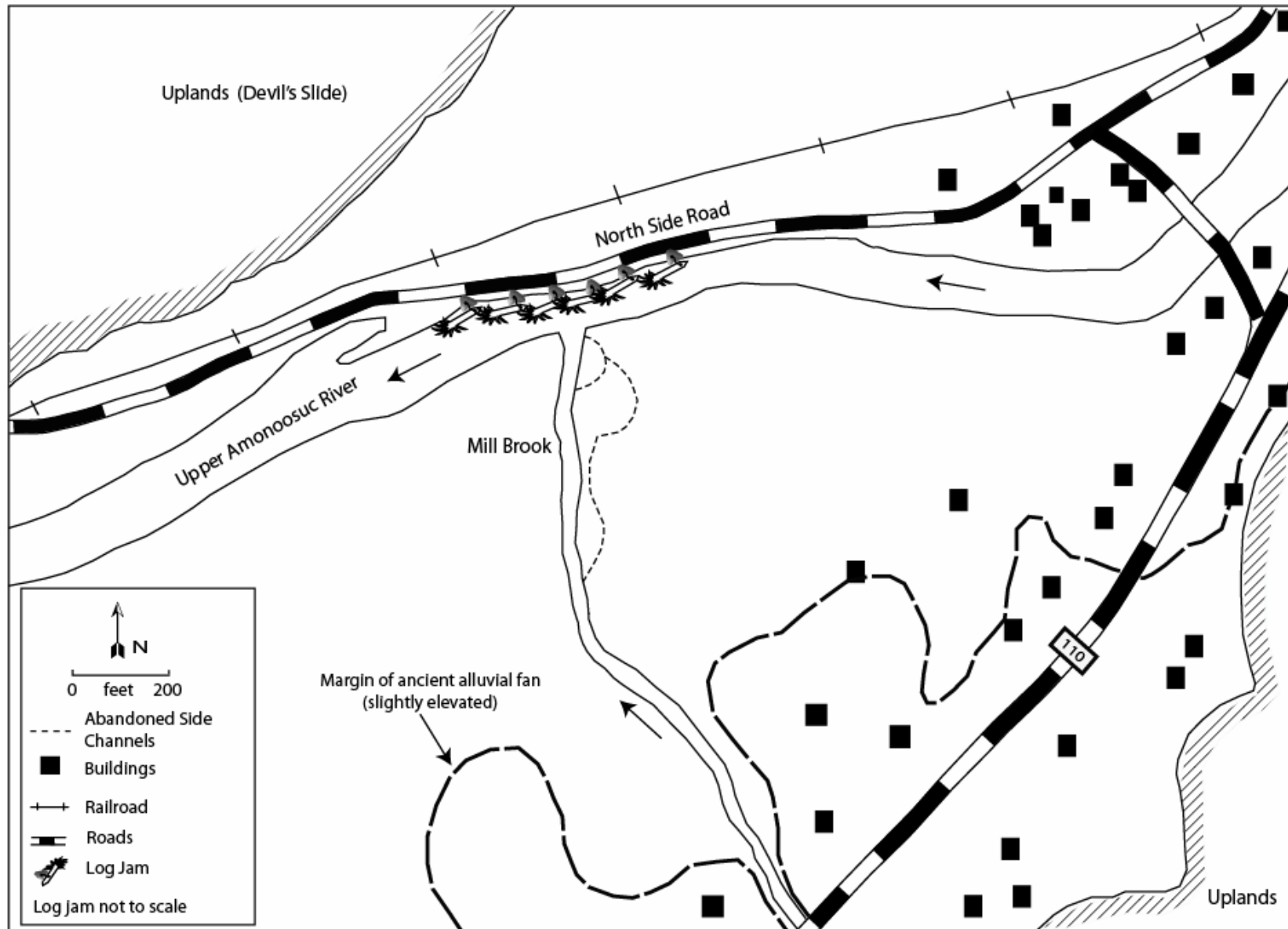
## Pros:

- Hazard to road eliminated
- Public concerns allayed

## Cons:

- High cost
- No habitat improvements
- Legal/landowner complications
- Flooding and erosion continue

# Mill Brook Confluence - Bioengineering



# Bioengineering Option

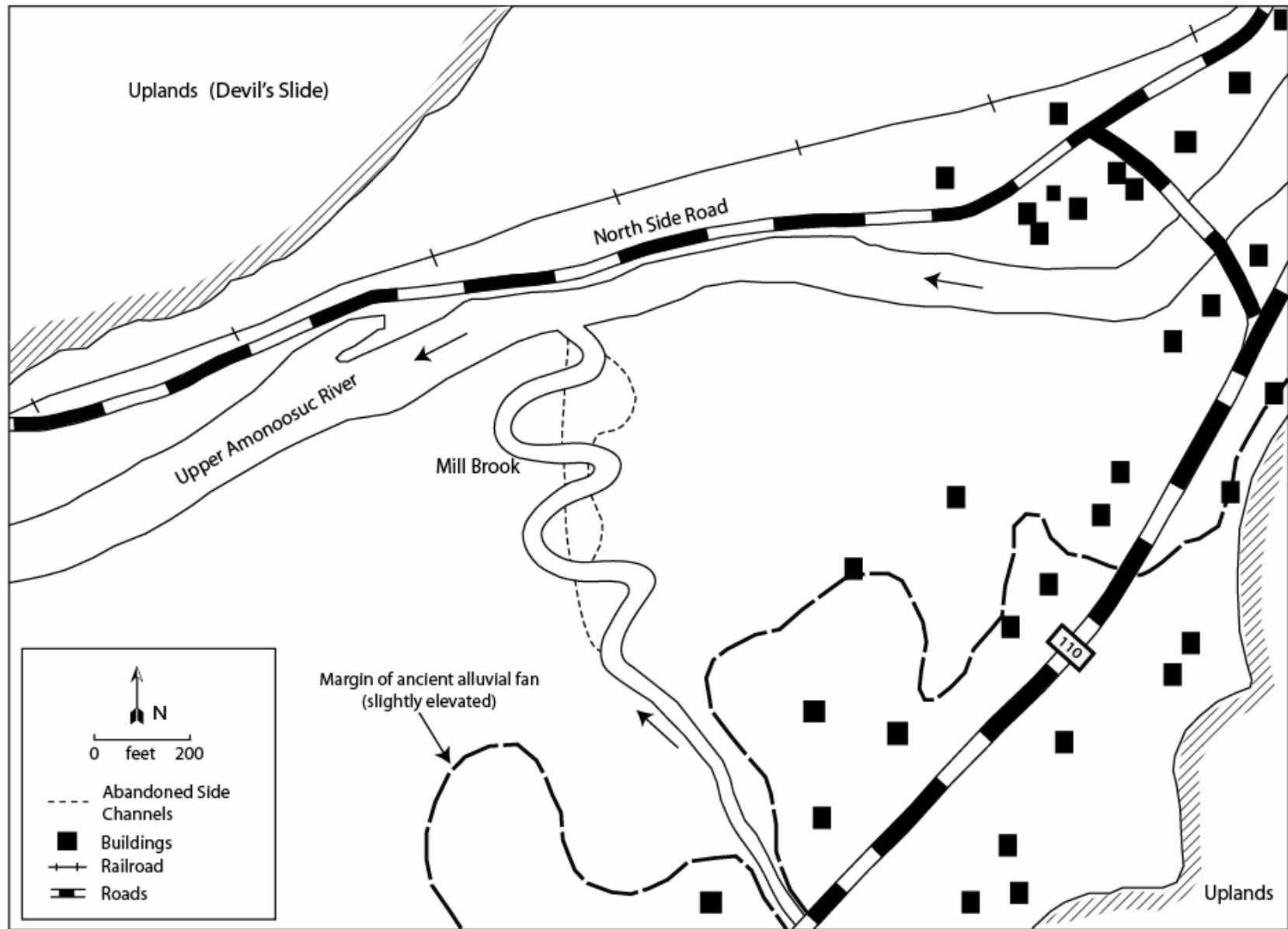
## Pros:

- Rate of erosion reduced
- Habitat improvements
- Relatively low cost

## Cons:

- Erosive pressures remain
- Need for long term maintenance likely
- Possible increase in flooding

# Mill Brook Confluence - Engineered Meanders



# Engineered Meanders Option

## Pros:

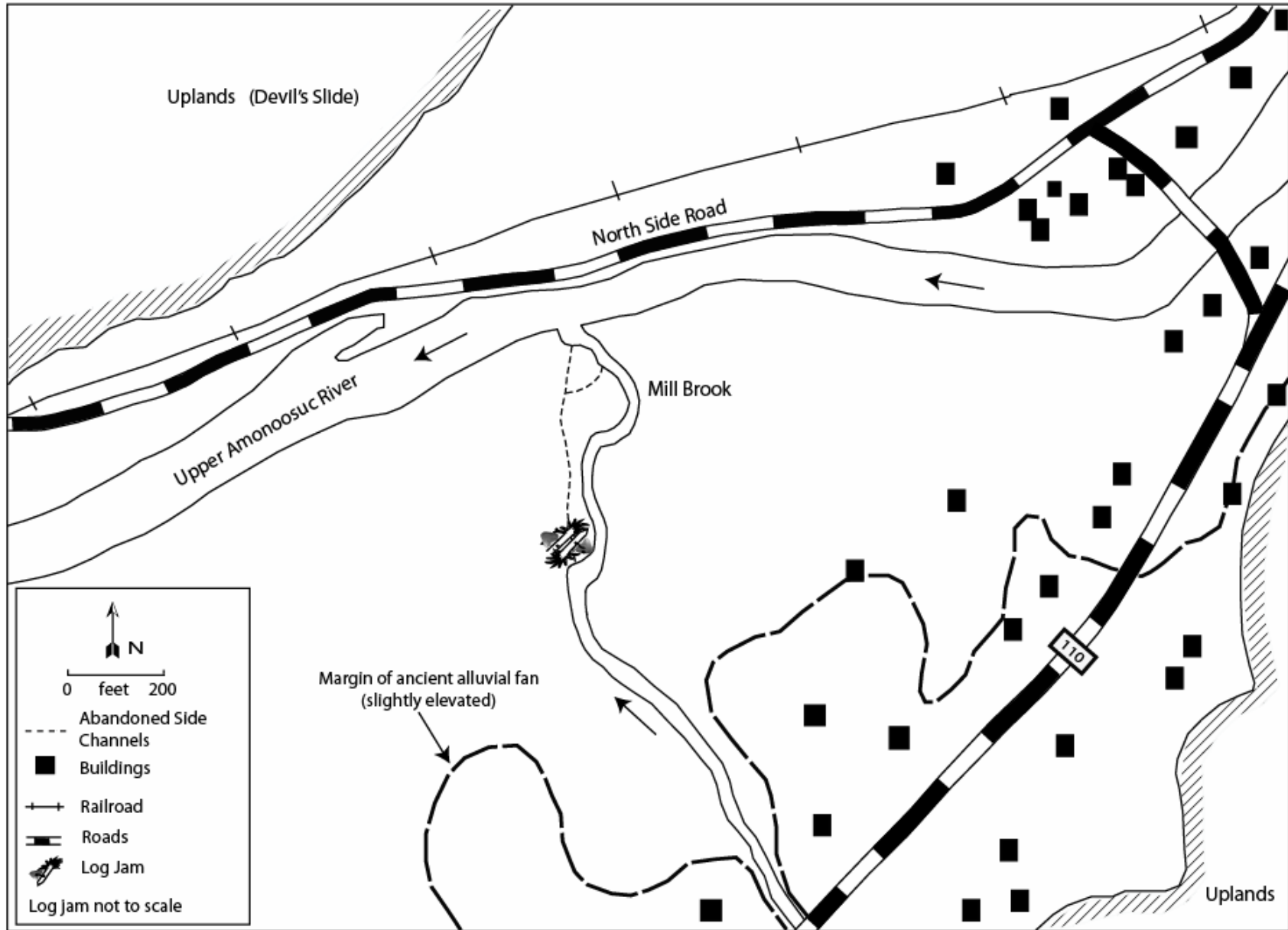
- Gravel storage on bars
- Pool development
- Reduced flow velocities
- Reduce erosive pressures on opposite bank

## Cons:

- High cost
- Possible short term increases in sediment
- High risk of failure
- Permitting difficulties



# Mill Brook Confluence - Channel Realignment



# Channel Realignment Option

## Pros:

- Gravel storage in side channels
- Habitat improvements
- Reduced flow velocities
- Restoration of natural flow patterns
- Relatively low cost

## Cons:

- Reduction in sediment inputs unknown
- Reduces but does not eliminate erosive pressures