

Natalie Creek

- Evaluate from 153rd and Lavergne to 146th and Pulaski
- Compare alternatives and develop others to be considered for implementation. (See potential alternatives on next slide.)

Evaluation based on cost effectiveness and overall flood Basemaps mitigation impact Vatalia Creek 147th PI Midlothian 201 m 156 m 201 m oocland Dr 153 rd St

HERE, Del orme, Phterman

Natalie Creek Alternatives

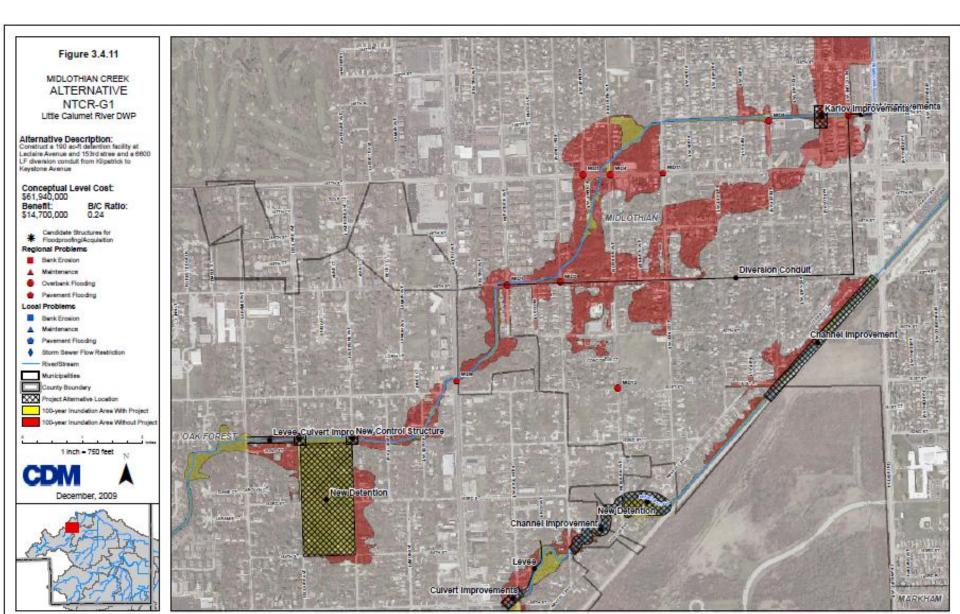
From DWP:

- New detention basin facility at LeClaire Avenue and 153rd Street, including a pump station and a control structure at Lavergne Avenue.
- <u>Culvert improvements</u> (to increase the hydraulic capacity of Natalie Creek at LeClaire Avenue) consisting of increasing existing twin box culverts
- <u>Culvert improvements</u> to increase the capacity of Karlov Avenue consisting of increasing the opening
- New diversion conduit from 149th Street and Kilpatrick, along 149th Street, to Keystone Avenue, then north on Keystone Avenue to 146th Street, and then east along 146th Street to Pulaski Road, where the new diversion conduit will join the existing Natalie Creek diversion conduit.
- Concrete lined channel from Keystone Avenue to Pulaski Road.
- <u>Floodwall</u> upstream of LeClaire Avenue

New:

- "Oak Creek Plaza" detention basin modifications (near159th Street and Central Avenue)
 - upstream of affected area, see if can be increased in effectiveness
- Potentially other alternatives.

Some potential alternatives, & potential improvements based on modeling



Natalie Creek Status and Process

- Currently starting the preliminary engineering
- Will ID & evaluate alternatives, start with DWP
 - Investigate most effective alternatives
- Find preferred solution, take to 30% design stage
- District will decide how to move forward from there