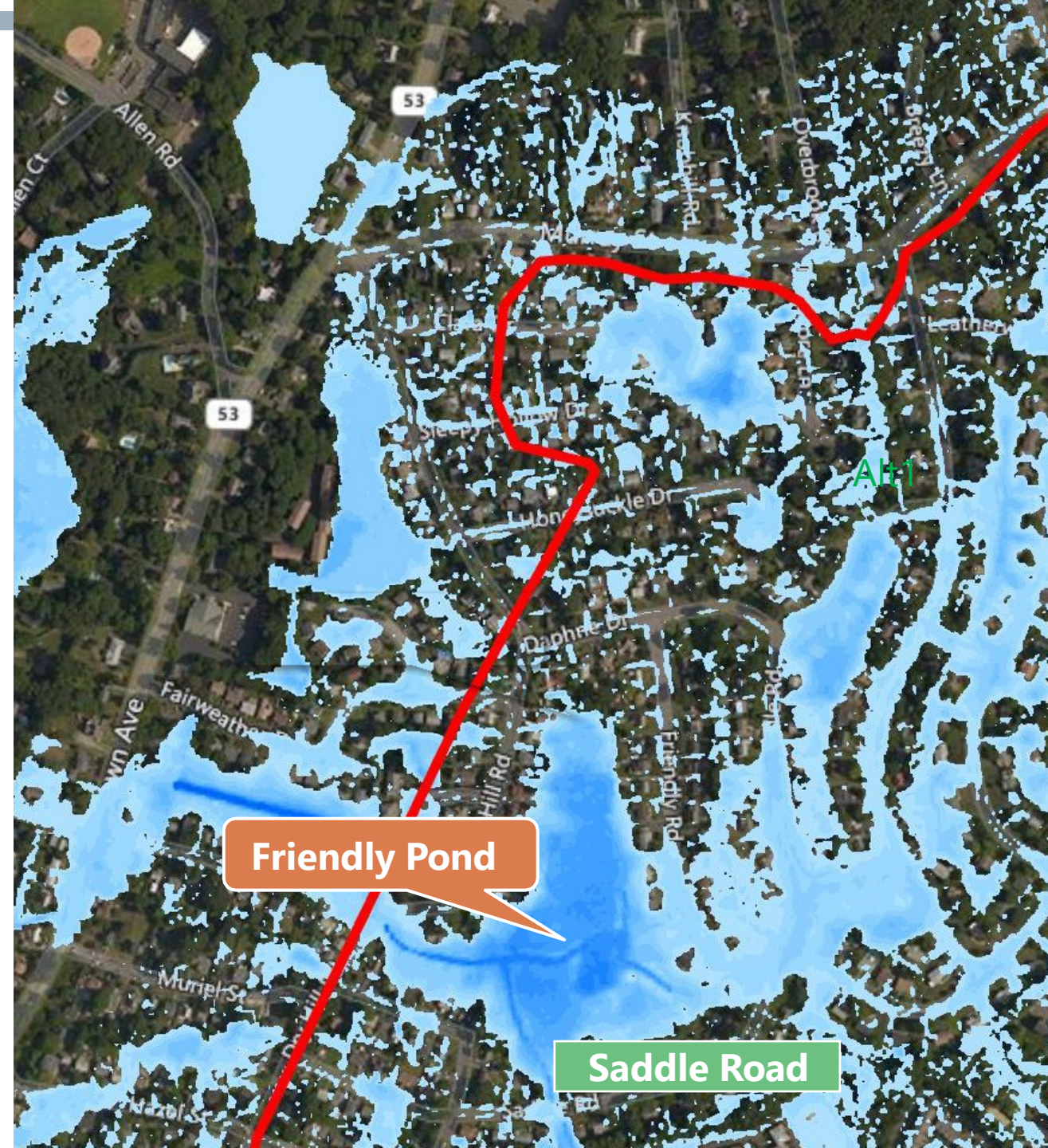


Dreamy Hollow Flood Mitigation Project

Dreamy Hollow

Flood analysis was done to simulate flooding in the area

Woodard & Curran designed a solution to mitigate flooding



- ▶ The capacity of the existing storm system was increased, by replacing the existing main pipe line, with a larger, pre-cast culvert
- ▶ The water main and sanitary sewer pipes were replaced in select locations, in some cases to accommodate the large box culvert and in other areas to upgrade and improve existing infrastructure



BASE BID



BID ALTERNATE 2

BID ALTERNATE 1

Dreamy Hollow

Impacts

- Resolve drainage deficiency in Daphne Drive that causes flooding
- Reduces flooding by as much as 1.2 feet near Saddle Road
- Reduces Flooding by 22.8%
- Flood reduction for 15 homes

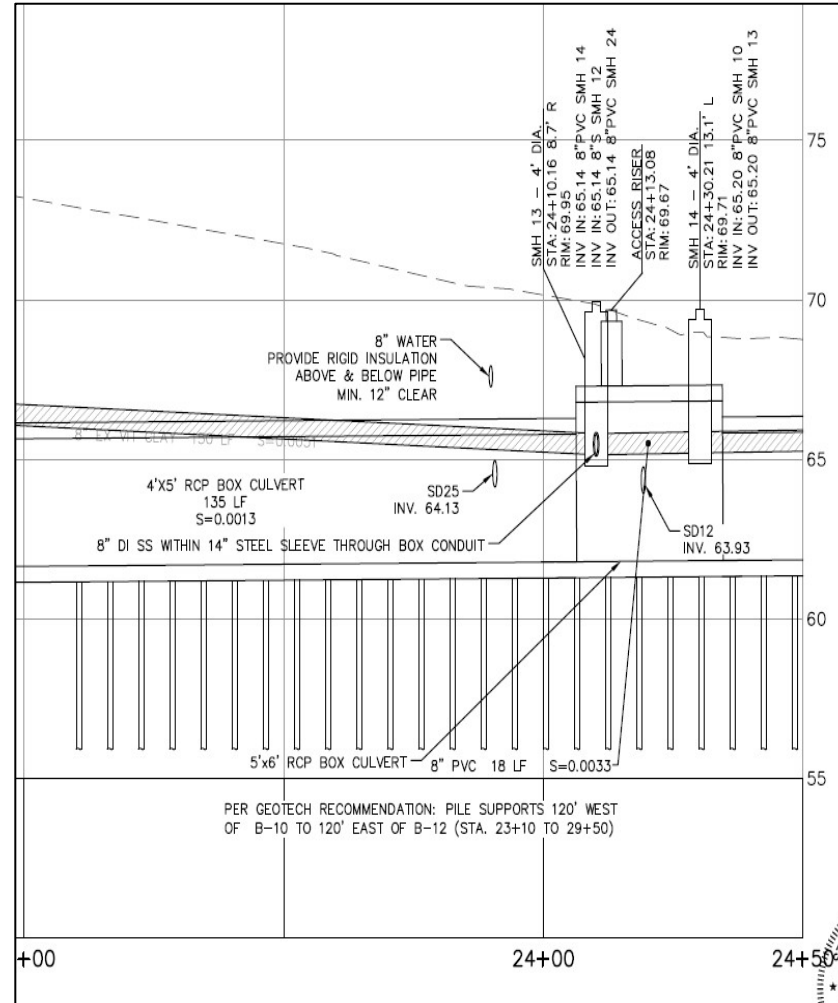




Dreamy Hollow

The Metrics

- ▶ 2,250 LF of Box Culvert
- ▶ 2,650 LF of Sewer Main
- ▶ 600 LF of Water Main
- ▶ 200 LF of Gas Main
- ▶ 24,000 LF of Piles



Piles were used due to the poor soils in the area

Before & After

Event 8/18/24

4.1 inch in 12-hours



**Validation Event
9/25/18**

5.3 inches in 24-hours
& ~4 inch in 12-hours



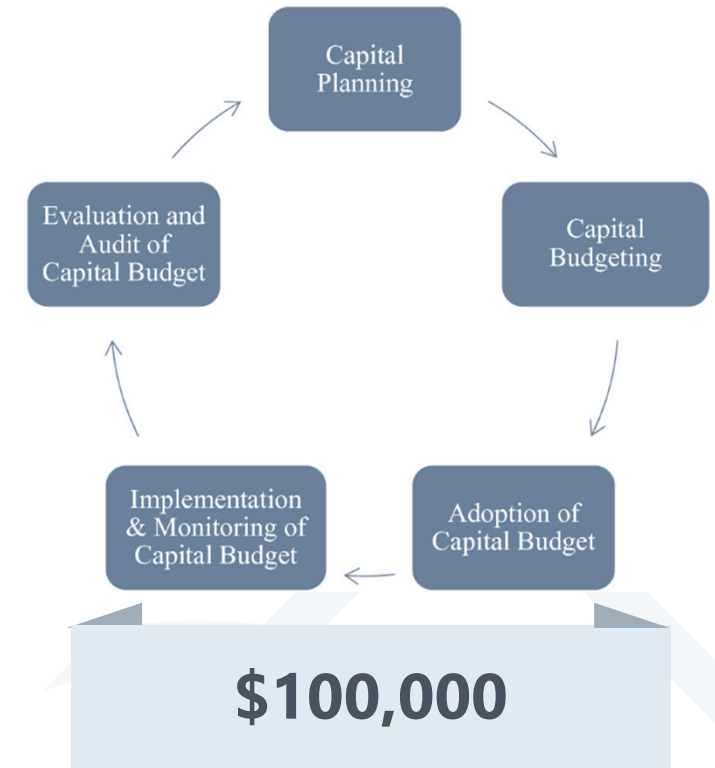
*Not actually from 8/18/24
"It was raining outside and nothing to see"*

Funding for Dreamy Hollow

Total Cost: \$10,276,000



Initial ARPA Proposal



Partnership “Can’t do it alone”



**Administration/
Council Members**



Consultants



Contractors



Residents



**Other
Departments**



**Public Meetings to
Inform & Collect Info**



Common Council Meetings



City Staff