

Table 6.17
Mill Pond and Dam Cost Summary

Alternative	Description	Core Sampling (Number of Sample Locations) ^a	Construction with 35 % Contingency ^a	Ongoing Maintenance ^{a,b}	Total Present Worth Cost ^a
Alternative 1	Sluice Gate Repair ^c	\$14,000 (1)	\$329,000	\$199,000	\$542,000
Alternative 2A ^d	Partial Pond Restoration ^c	\$24,000 (2)	\$2,202,000	\$3,125,000	\$5,351,000
Alternative 2B ^e	Partial Pond Restoration and Fill ^c	\$24,000 (2)	\$1,147,000	\$3,144,000	\$4,315,000
Alternative 3	Full Pond Restoration ^c	\$49,000 (5)	\$6,897,000	\$5,464,000	\$12,410,000
Alternative 4	Bypass Channel, Dam Lowering, and Pond Restoration	\$49,000 (5)	\$7,658,000	\$2,624,000	\$10,331,000
Alternative 5A ^f	Dam Removal and Channel Restoration – Large Floodplain Habitat	\$49,000 (5)	\$11,816,000	\$61,000	\$11,926,000
Alternative 5B ^g	Dam Removal and Channel Restoration – Large Floodplain Habitat	\$49,000 (5)	\$7,796,000	\$61,000	\$7,906,000
Alternative 5C ^h	Dam Removal and Channel Restoration – Small Floodplain Habitat	\$49,000 (5)	\$4,662,000	\$61,000	\$4,772,000

^a All costs are in 2019 dollars

^b Present worth maintenance costs included dam inspections and dredging for a 50-year period for Alternatives 1, 2, 3, and 4, and vegetation maintenance for a 5-year period for Alternatives 2B, 4, and 5.

^c To improve safety, dam abutment extensions and an emergency spillway would add \$736,000 to the total present worth costs.

^d Alternative 2A includes the full amount of dredged sediment hauled off site.

^e Alternative 2B includes a portion of the dredged material used as fill in the Mill Pond northern lobe and restored with vegetative seeding, with the remaining dredged material hauled off site.

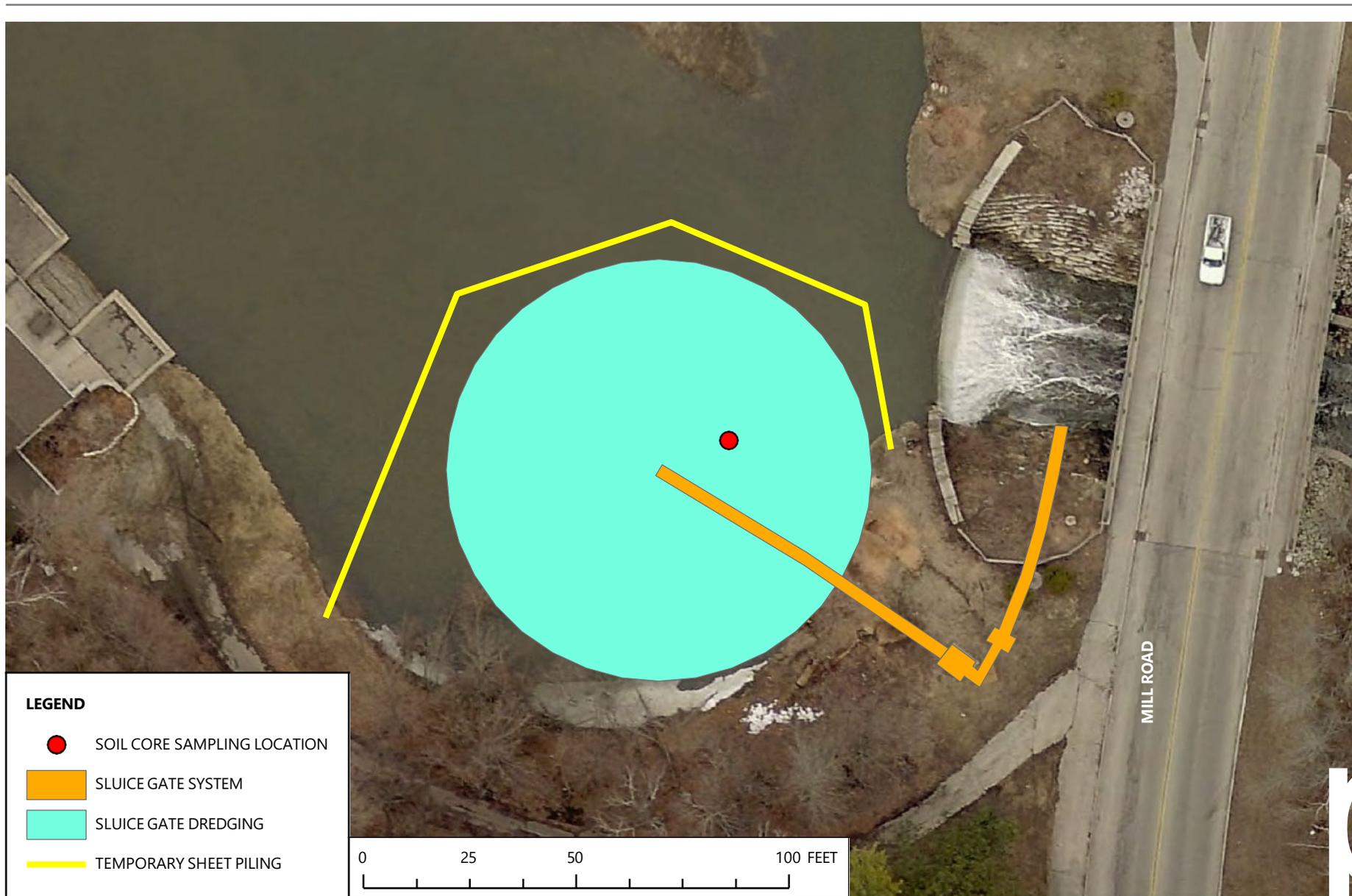
^f Alternative 5A has the full amount of material hauled off site, with no fill on site. This alternative will create a large floodplain habitat.

^g Alternative 5B allows a portion of the sediment to naturally erode downstream, a portion to be used as fill in the northern lobe fringe area, with the remaining amount hauled off site. This alternative will create a large floodplain habitat.

^h Alternative 5C allows a portion of the sediment to naturally erode downstream, a portion to be used as fill in the northern lobe fringe area, with the remaining amount hauled off site. This alternative will create a small floodplain habitat.

Source: SEWRPC

Alternative	Description	Core Sampling (Number of Sample Locations) ^a	Construction with 35 % Contingency ^a	Ongoing Maintenance ^{a,b}	Total Present Worth Cost ^a
Alternative 1	Sluice Gate Repair ^c	\$14,000 (1)	\$329,000	\$199,000	\$542,000



3 A RESTORATION PLAN FOR THE OAK CREEK WATERSHED – VOLUME 2: CHAPTER 6 | 18

Source: SEWRPC

Alternative	Description	Core Sampling (Number of Sample Locations) ^a	Construction with 35 % Contingency ^a	Ongoing Maintenance ^{a,b}	Total Present Worth Cost ^a
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Alternative 2A ^d	Partial Pond Restoration ^e	\$24,000 (2)	\$2,202,000	\$3,125,000	\$5,351,000
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7 A RESTORATION PLAN FOR THE OAK CREEK WATERSHED – VOLUME 2: CHAPTER 6 | 18



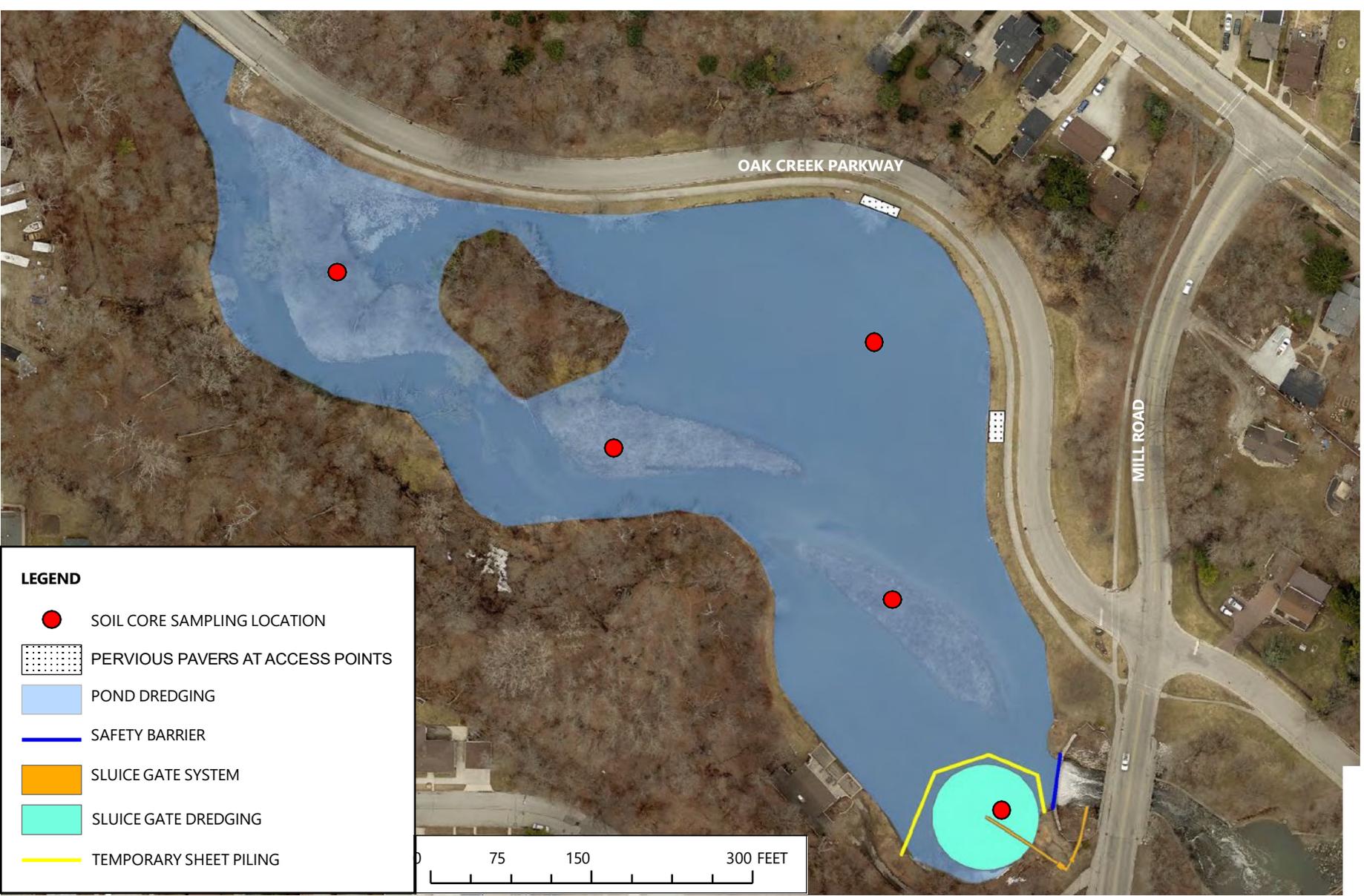
Source: SEWRPC

Alternative	Description	Core Sampling (Number of Sample Locations) ^a	Construction with 35 % Contingency ^a	Ongoing Maintenance ^{a,b}	Total Present Worth Cost ^a
Alternative 2B ^e	Partial Pond Restoration and Fill ^c	\$24,000 (2)	\$1,147,000	\$3,144,000	\$4,315,000



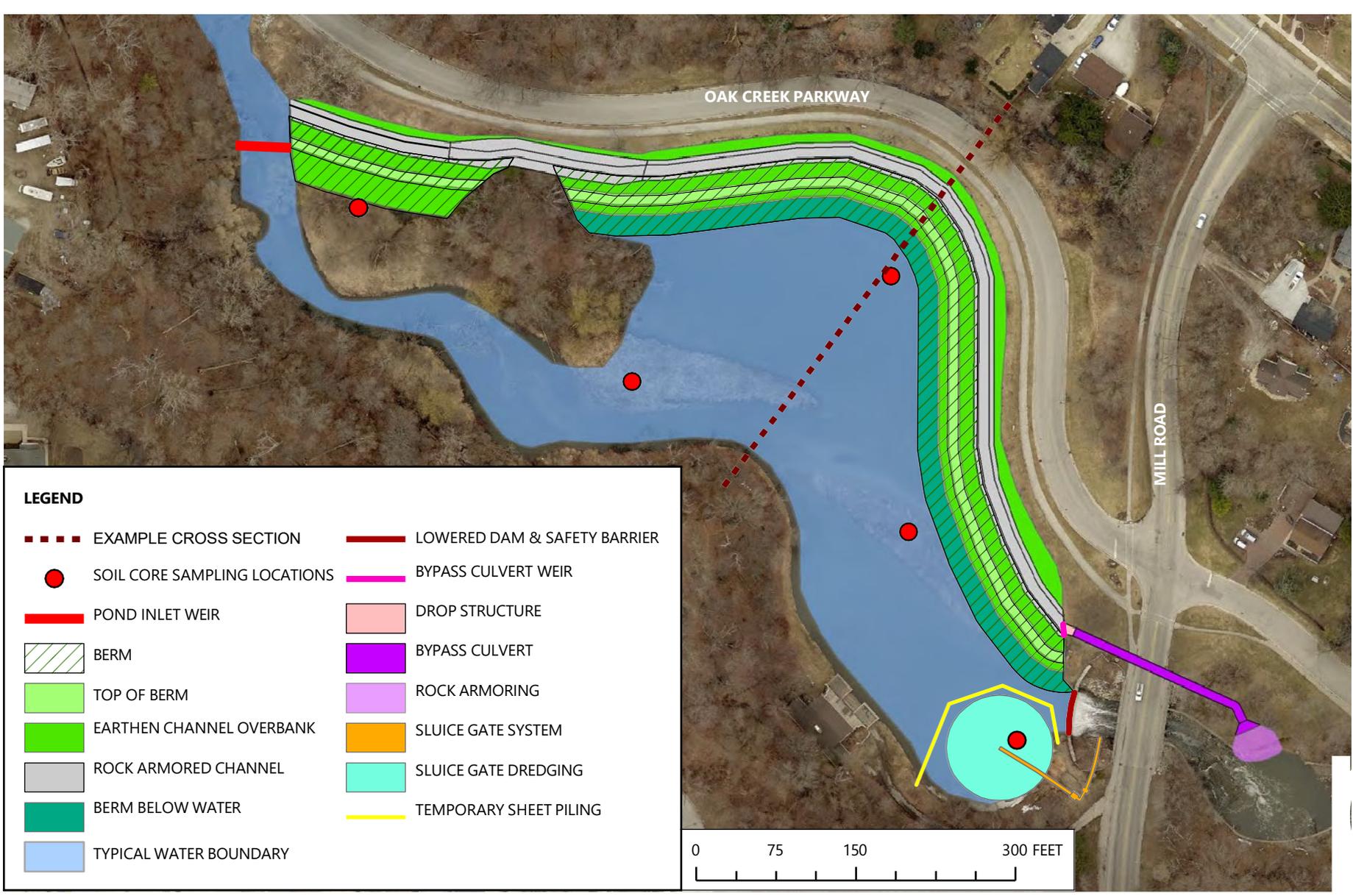
Source: SEWRPC

Alternative	Description	Core Sampling (Number of Sample Locations) ^a	Construction with 35 % Contingency ^a	Ongoing Maintenance ^{a,b}	Total Present Worth Cost ^a
Alternative 3	Full Pond Restoration ^c	\$49,000 (5)	\$6,897,000	\$5,464,000	\$12,410,000



Source: SEWRPC

Alternative	Description	Core Sampling (Number of Sample Locations) ^a	Construction with 35 % Contingency ^a	Ongoing Maintenance ^{a,b}	Total Present Worth Cost ^a
Alternative 4	Bypass Channel, Dam Lowering, and Pond Restoration	\$49,000 (5)	\$7,658,000	\$2,624,000	\$10,331,000



1
 A RESTORATION PLAN FOR THE OAK CREEK WATERSHED – VOLUME 2: CHAPTER 6 |
 19

Source: SEWRPC

Alternative	Description	Core Sampling (Number of Sample Locations) ^a	Construction with 35 % Contingency ^a	Ongoing Maintenance ^{a,b}	Total Present Worth Cost ^a
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Alternative 5A ^f	Dam Removal and Channel Restoration – Large Floodplain Habitat	\$49,000 (5)	\$11,816,000	\$61,000	\$11,926,000
Alternative 5B ^g	Dam Removal and Channel Restoration – Large Floodplain Habitat	\$49,000 (5)	\$7,796,000	\$61,000	\$7,906,000

196 | SEWRPC COMMUNITY ASSISTANCE PLANNING REPORT NO. 330 – VOLUME 2: CHAPTER 6



^f Alternative 5A has the full amount of material hauled off site, with no fill on site. This alternative will create a large floodplain habitat.

^g Alternative 5B allows a portion of the sediment to naturally erode downstream, a portion to be used as fill in the northern lobe fringe area, with the remaining amount hauled off site. This alternative will create a large floodplain habitat.

^h Alternative 5C allows a portion of the sediment to naturally erode downstream, a portion to be used as fill in the northern lobe fringe area, with the remaining amount hauled off site. This alternative will create a small floodplain habitat.

Alternative	Description	Core Sampling (Number of Sample Locations) ^a	Construction with 35 % Contingency ^a	Ongoing Maintenance ^{a,b}	Total Present Worth Cost ^a
Alternative 5C ^h	Dam Removal and Channel Restoration – Small Floodplain Habitat	\$49,000 (5)	\$4,662,000	\$61,000	\$4,772,000



A RESTORATION PLAN FOR THE OAK CREEK WATERSHED – VOLUME 2: CHAPTER 6 | 199

^f Alternative 5A has the full amount of material hauled off site, with no fill on site. This alternative will create a large floodplain habitat.
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^h Alternative 5C allows a portion of the sediment to naturally erode downstream, a portion to be used as fill in the northern lobe fringe area, with the remaining amount hauled off site. This alternative will create a small floodplain habitat.

Alternative

Description

Core Sampling
(Number of Sample
Locations)^a

Construction with 35
% Contingency^a

Ongoing
Maintenance^{a,b}

Total Present
Worth Cost^a

Alternative 5C^h

Dam Removal and
Channel Restoration –
Small Floodplain Habitat

\$49,000 (5)

\$4,662,000

\$61,000

\$4,772,000



LEGEND

- OPTIONAL: SKATING POND
- SOIL CORE SAMPLING LOCATIONS
- WALKING PATHS
- POOLS
- RIFFLES
- RIPRAP BENCH
- RIPRAP SLOPE
- VEGETATED BENCH
- VEGETATED SLOPE
- RESEDED AREA

1 A RESTORATION PLAN FOR THE OAK CREEK WATERSHED – VOLUME 2: CHAPTER 6 | 20

Source: SEWRPC

^f Alternative 5A has the full amount of material hauled off site, with no fill on site. This alternative will create a large floodplain habitat.

^g Alternative 5B allows a portion of the sediment to naturally erode downstream, a portion to be used as fill in the northern lobe fringe area, with the remaining amount hauled off site. This alternative will create a large floodplain habitat.

^h Alternative 5C allows a portion of the sediment to naturally erode downstream, a portion to be used as fill in the northern lobe fringe area, with the remaining amount hauled off site. This alternative will create a small floodplain habitat.

Source: SEWRPC