

Alternatives Description: - Add and optimize storage in Spring Rock Park by lowering soccer fields appx. 8 ft. to 633 - Lower high spots to 641 in area to west of soccer fields to allow water to flow freely - Add gravity outlet with flap gate

Culvert/Bridge Modification

Channel Improvements

- Tie in to existing swale - Appx. 32 A-F additional storage

Concept Level Cost: \$6,229,554 Benefits: \$290,306 B/C Ratio: 0.05

### Legend

100-Year Storm Event Flood Inundation Without Project

Inundation With Project

100-Year Storm Event Flood

Reservoir Levee/Floodwall

Approximate Creek Channel Location

Municipal Boundary

Watershed Boundary

**Problem Areas** 

Modeled Regional



CLIENT:

## METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TITLE:

**LOWER DES PLAINES RIVER** DETAILED WATERSHED PLAN **FLAGG CREEK WATERSHED** RECOMMENDED ALTERNATIVE FGCR-1 PROJ. NO.

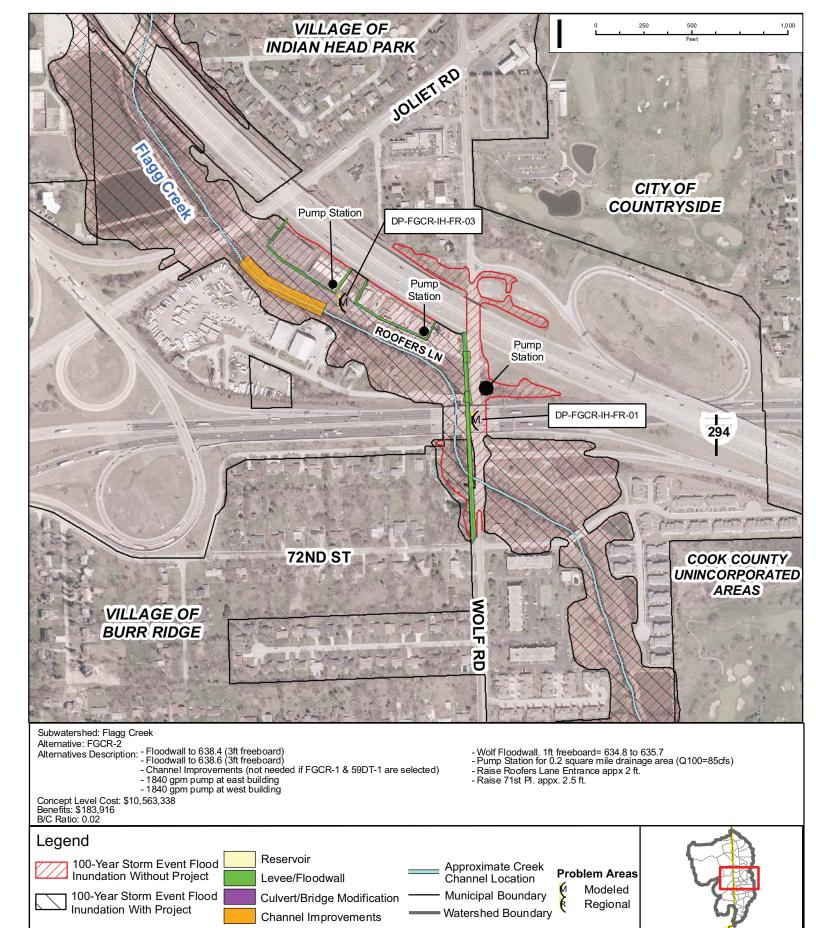
09-08-2010 SHEET

DRAWING NO.

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	DSGN.		SCALE	
	DWN.		GIS USER	
	CHKD.		PLOT DATE	
	FILE:			-





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CLIENT:

**LOWER DES PLAINES RIVER DETAILED WATERSHED PLAN FLAGG CREEK WATERSHED** 

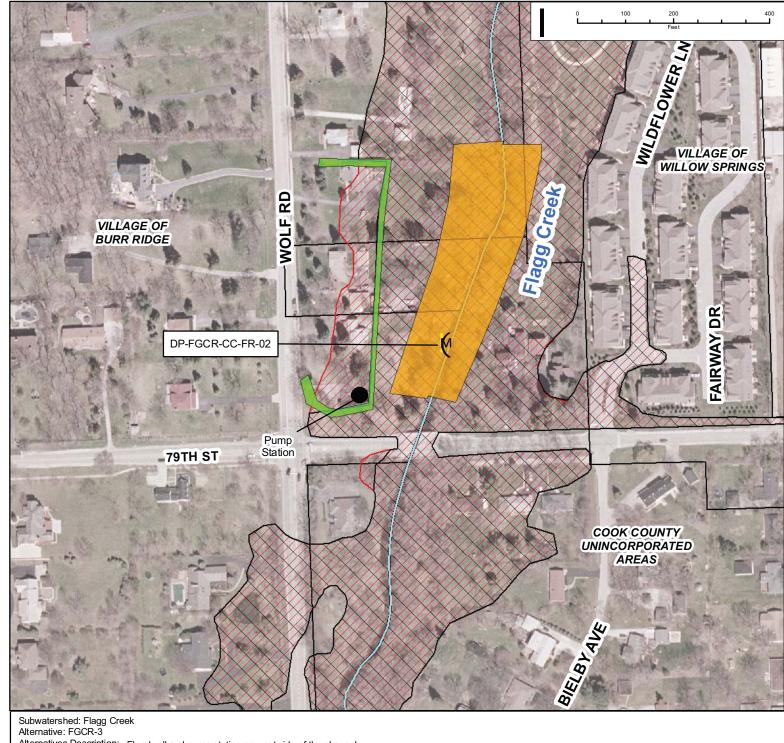
**RECOMMENDED ALTERNATIVE FGCR-2** 

PROJ. NO. 09-08-2010 SHEET

DRAWING NO.

GIS USER FIGURE 3.11.10 DWN CHKD PLOT DATE

MOLLY OTOOLE



Alternatives Description: - Floodwall and pump station on west side of the channel - Channel improvements including approximately 6 M-F mitigation storage

Concept Level Cost: \$3,689,102 Benefits: \$222,718 B/C Ratio: 0.06

Legend



100-Year Storm Event Flood Inundation Without Project

100-Year Storm Event Flood Inundation With Project

Reservoir Levee/Floodwall

Approximate Creek Channel Location Municipal Boundary

Watershed Boundary

**Problem Areas** Modeled Regional



CLIENT:

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

Culvert/Bridge Modification

Channel Improvements

**LOWER DES PLAINES RIVER DETAILED WATERSHED PLAN FLAGG CREEK WATERSHED RECOMMENDED ALTERNATIVE FGCR-3**  PROJ. NO.

09-08-2010 SHEET

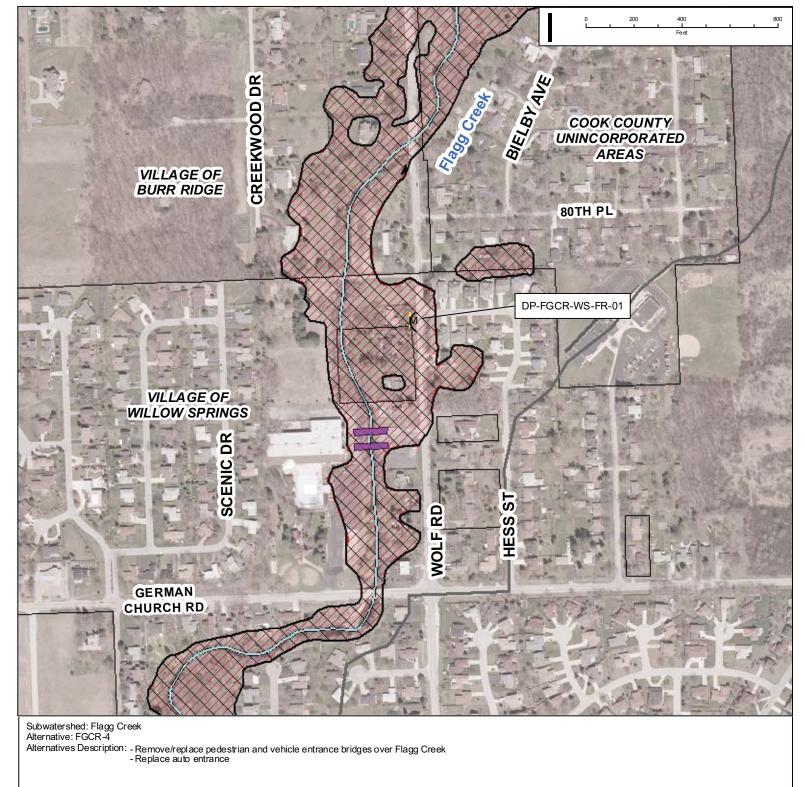
DRAWING NO.



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Concept Level Cost: \$668,351 Benefits: \$489,707 B/C Ratio: 0.7

### Legend

100-Year Storm Event Flood Inundation Without Project

100-Year Storm Event Flood Inundation With Project

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Reservoir

Levee/Floodwall

Culvert/Bridge Modification
Channel Improvements

Approximate Creek
Channel Location
Municipal Boundary

Watershed Boundary

Regional

To be

CLIENT:

# METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TITLE:

LOWER DES PLAINES RIVER
DETAILED WATERSHED PLAN
FLAGG CREEK WATERSHED
RECOMMENDED ALTERNATIVE FGCR-4

PROJ. NO.

DATE: 02-17-2011 SHEET 1 OF 1

DRAWING NO.



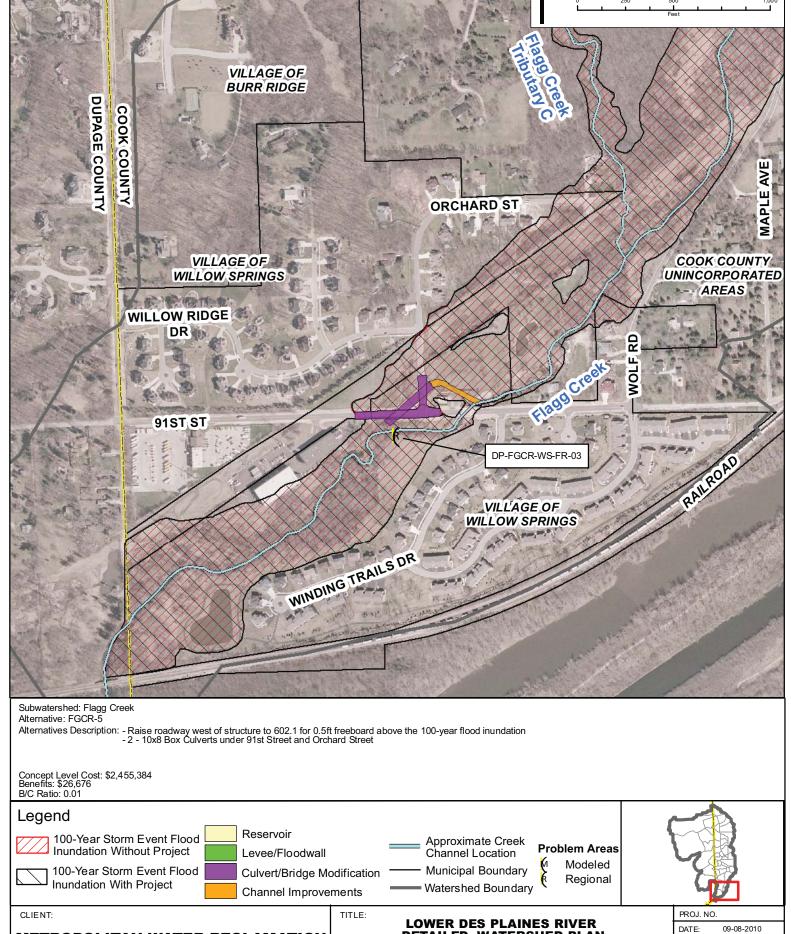
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	CHKD.		PLOT DATE	
	FILE			

**Problem Areas** 

Modeled



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METROPOLITAN WATER RECLAMATION

DISTRICT OF GREATER CHICAGO

MOLLY O'TOOL

**DETAILED WATERSHED PLAN FLAGG CREEK WATERSHED** RECOMMENDED ALTERNATIVE FGCR-5

SHEET DRAWING NO.

GIS USER DWN CHKD PLOT DATE



Alternatives Description: - Earthen Berm to 659.6: 3ft freeboard (WSEL=656.6)
- Tie in to existing drainage to street
- Emergency spillway to existing swale
- 2 AC of Flood Easement required in Legge Park

Concept Level Cost: \$969,361 Benefits: \$126,823 B/C Ratio: 0.1

### Legend

100-Year Storm Event Flood Inundation Without Project

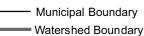
100-Year Storm Event Flood Inundation With Project

Reservoir

Levee/Floodwall

Channel Improvements

Culvert/Bridge Modification



Approximate Creek Channel Location Municipal Boundary

**Problem Areas** Modeled Regional



CLIENT:

### **METROPOLITAN WATER RECLAMATION** DISTRICT OF GREATER CHICAGO

**LOWER DES PLAINES RIVER DETAILED WATERSHED PLAN FLAGG CREEK WATERSHED RECOMMENDED ALTERNATIVE 59DT-1**  PROJ. NO. 09-08-2010

SHEET DRAWING NO.

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MOLLY OTOOLE

