Table 5: Projects Tradeoffs Summary

Project Criteria	Option 1 (100-yr)	Option 2 (500-yr)	Option 3 (200-yr)
Downstream Flood Benefits [1]	**Meets LOS** [2]	**Largest**	**Larger**
People	2,300	4,100	3,600
Structures	260	730	600
Dwelling Units	1,100	1,900	1,700
Total Project Cost	**$66M**	**$96M**	**$93M**
Regional Flood Detention	$41M	$47M	$46M
Soil Fill	$10M	$34M	$32M
Impacts to CU Property[3]	$15M	$15M	$15M
Size of Dam	**Smallest**	**Largest**	**Larger**
Length of Floodwall	*2,710 ft.*[4]	2,810 ft.	2,810 ft.
Height of Floodwall (max)	8.8 ft.	10.6 ft.	9.5 ft.
Estimated Project Footprint	**64 acres**	**107 acres**	**106 acres**
Embankment/Floodwall	10 acres	11 acres	10 acres
Fill Area	34 acres	76 acres	76 acres
Excavation Area	19 acres	19 acres	19 acres
Outlet	<1 acre	<1 acre	<1 acre
Environmental Impacts	**Smallest**	**Larger**	**Largest**
Wetlands	4.8	7.1	8.9
Threatened and Endangered Species	0.9	5.0	5.0
Open Water	2.6	2.6	2.6
Impacts to OSMP property	**Least**	**Most**	**More**
Direct Impacts	5 acres	5 acres	5 acres
Inundation Impacts	Least	Most	More
OS-O Opportunities	Most	Least	More
Environmental Mitigation Costs	Least	Most	More
Impacts to CU Property[5]	**Similar**	**Similar**	**Similar**
CU Tennis Courts South Loop Drive Warehouse Utilities Connections	*Estimated $15M total*		
Recreation Fields (30 acres)	In Progress	In Progress	In Progress
Project Feasibility[6]	**Least Unknowns**	**Most Unknowns**	**More Unknowns**

Notes: Darker cells indicate more favorable alignment with the multiple project objectives.

1. *People, structures and dwelling units that will be removed from the 200-yr floodplain have been estimated base on total number of structures located in the 100-yr and 500-yr floodplains.*
2. *LOS = Level of Service*
3. *Costs to be negotiated with CU during CU South Annexation process.*
4. *Option 1 provides the opportunity to shorten the floodwall length by providing more flexibility for the location of the floodwall termination.*
5. *Estimated costs/impacts will be refined as the flood mitigation project progress through the design process and finalized through the annexation process.*