

Exhibit B - Valley Drive Drainage Improvements

Damage Level	Damages		Average Property Value:	\$90,000
1	\$4,500	5% Average Property Value	2005 FEMA Average Damages for Arkansas:	\$8,225
2	\$6,750	DL #1 * 1.5		
3	\$10,125	DL #2 * 1.5		
4	\$15,188	DL #3 * 1.5	Total Claims:	1974
5	\$22,781	DL #4 * 1.5	Total Damages:	\$14,740,523
6	\$34,172	DL #5 * 1.5	Average Damages:	\$7,467
7	\$51,258	DL #6 * 1.5		

Existing Conditions									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	21	0	0	0	0	0	0	\$94,500	\$4,725,000
2-year	0	21	0	0	0	0	0	\$141,750	\$8,268,750
5-year	0	0	21	0	0	0	0	\$212,625	\$10,395,000
10-year	0	0	0	21	0	0	0	\$318,938	\$11,989,688
25-year	0	0	0	0	21	0	0	\$478,406	\$12,946,500
50-year	0	0	0	0	0	21	0	\$717,609	\$13,664,109
100-year	0	0	0	0	0	0	21	\$1,076,414	\$14,740,523

1-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	19	0	0	0	0	0	0	\$85,500	\$2,137,500
5-year	0	19	0	0	0	0	0	\$128,250	\$3,420,000
10-year	0	0	19	0	0	0	0	\$192,375	\$4,381,875
25-year	0	0	0	19	0	0	0	\$288,563	\$4,959,000
50-year	0	0	0	0	19	0	0	\$432,844	\$5,391,844
100-year	0	0	0	0	0	19	0	\$649,266	\$6,041,109

ESTIMATED PROJECT COST. \$225,000
 ACCUMULATED COST OF DESIGN \$6,266,109
 B/C RATIO 2.352

Exhibit B - Valley Drive Drainage Improvements cont.

2-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	0	0	0	0	0	0	0	\$0	\$0
5-year	19	0	0	0	0	0	0	\$85,500	\$855,000
10-year	0	19	0	0	0	0	0	\$128,250	\$1,496,250
25-year	0	0	19	0	0	0	0	\$192,375	\$1,881,000
50-year	0	0	0	19	0	0	0	\$288,563	\$2,169,563
100-year	0	0	0	0	19	0	0	\$432,844	\$2,602,406

ESTIMATED PROJECT COST: \$275,000
 ACCUMULATED COST OF DESIGN: \$2,877,406
 B/C RATIO: 5.123

5-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	0	0	0	0	0	0	0	\$0	\$0
5-year	0	0	0	0	0	0	0	\$0	\$0
10-year	19	0	0	0	0	0	0	\$85,500	\$427,500
25-year	0	19	0	0	0	0	0	\$128,250	\$684,000
50-year	0	0	19	0	0	0	0	\$192,375	\$876,375
100-year	0	0	0	19	0	0	0	\$288,563	\$1,164,938

ESTIMATED PROJECT COST: \$325,000
 ACCUMULATED COST OF DESIGN: \$1,489,938
 B/C RATIO: 9.893

10-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	0	0	0	0	0	0	0	\$0	\$0
5-year	0	0	0	0	0	0	0	\$0	\$0
10-year	0	0	0	0	0	0	0	\$0	\$0
25-year	19	0	0	0	0	0	0	\$85,500	\$171,000
50-year	0	19	0	0	0	0	0	\$128,250	\$299,250
100-year	0	0	19	0	0	0	0	\$192,375	\$491,625

ESTIMATED PROJECT COST: \$375,000
 ACCUMULATED COST OF DESIGN: \$866,625
 B/C RATIO: 17.009

Exhibit B - Valley Drive Drainage Improvements cont.

25-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	0	0	0	0	0	0	0	\$0	\$0
5-year	0	0	0	0	0	0	0	\$0	\$0
10-year	0	0	0	0	0	0	0	\$0	\$0
25-year	0	0	0	0	0	0	0	\$0	\$0
50-year	19	0	0	0	0	0	0	\$85,500	\$85,500
100-year	0	19	0	0	0	0	0	\$128,250	\$213,750

ESTIMATED PROJECT COST: \$425,000
 ACCUMULATED COST OF DESIGN: \$638,750
 B/C RATIO: 23.077

50-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	0	0	0	0	0	0	0	\$0	\$0
5-year	0	0	0	0	0	0	0	\$0	\$0
10-year	0	0	0	0	0	0	0	\$0	\$0
25-year	0	0	0	0	0	0	0	\$0	\$0
50-year	0	0	0	0	0	0	0	\$0	\$0
100-year	17	0	0	0	0	0	0	\$76,500	\$76,500

ESTIMATED PROJECT COST: \$600,000
 ACCUMULATED COST OF DESIGN: \$676,500
 B/C RATIO: 21.789

100-YEAR DESIGN									50 year
Flood Frequency	LEVEL 1 Damages	LEVEL 2 Damages	LEVEL 3 Damages	LEVEL 4 Damages	LEVEL 5 Damages	LEVEL 6 Damages	LEVEL 7 Damages	Projected Damages	Accumulated Damages
1-year	0	0	0	0	0	0	0	\$0	\$0
2-year	0	0	0	0	0	0	0	\$0	\$0
5-year	0	0	0	0	0	0	0	\$0	\$0
10-year	0	0	0	0	0	0	0	\$0	\$0
25-year	0	0	0	0	0	0	0	\$0	\$0
50-year	0	0	0	0	0	0	0	\$0	\$0
100-year	0	0	0	0	0	0	0	\$0	\$0

ESTIMATED PROJECT COST: \$725,000
 ACCUMULATED COST OF DESIGN: \$725,000
 B/C RATIO: 20.332