

Table 3
Predicted Peak Flood Levels Downstream of West Bender Road – Existing Conditions

Cross-section Number	2-year	10-year	100-year	378 cfs
745	1608.0	1608.2	1608.3	1608.3
662	1607.4	1607.7	1607.8	1607.8
608	1606.4	1606.6	1606.7	1606.7
544 (near residence)	1604.9	1605.2	1605.3	1605.4
490	1603.8	1604.1	1604.3	1604.3
416	1601.9	1602.2	1602.3	1602.4
357	1601.0	1601.3	1601.4	1601.5
290	1599.1	1599.4	1599.5	1599.6

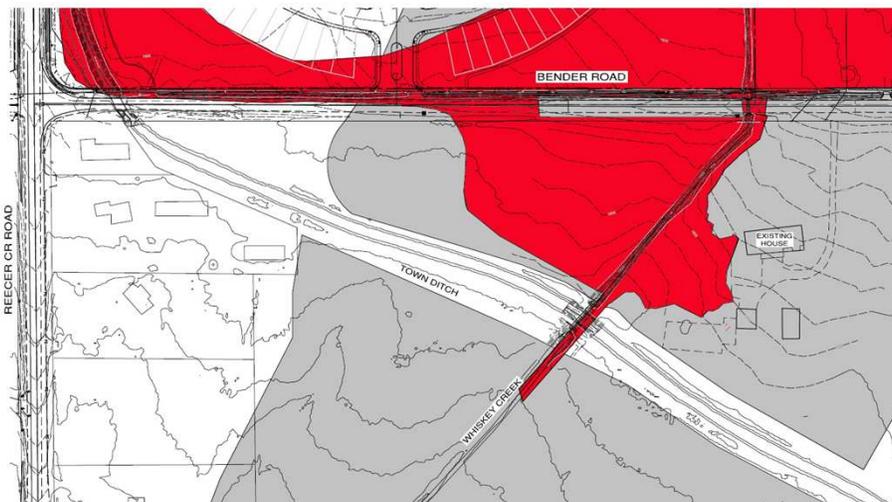
Table 5
Predicted Peak Flood Levels Downstream of West Bender Road
Proposed Conditions with New Culvert

Cross-section Number	2-year	10-year	100-year	378 cfs
745	1607.9	1608.8	1609.3	1609.5
662	1607.2	1607.8	1608.4	1608.6
608	1606.2	1606.9	1607.2	1607.5
544 (near residence)	1604.9	1605.5	1606.1	1606.2
490	1603.9	1604.7	1605.1	1605.3
416	1602.0	1602.9	1603.7	1603.9
357	1601.0	1602.0	1602.4	1603.6
290	1599.2	1600.0	1601.9	1603.6

Table 7
Estimated Velocities Existing and After Bender Road Culvert is Replaced

Cross-section Number	Velocities, feet per second (Existing/After Culvert Replacement)			
	2-year	10-year	100-year	378 cfs
745	1.7/2.4	1.5/3.2	1.4/4.4	1.4/5.2
662	3.2/3.2	3.4/4.5	3.6/5.3	3.7/5.8
608	3.5/3.9	3.9/3.9	4.0/4.7	4.0/4.7
544 (near residence)	3.7/3.5	3.6/4.8	3.8/4.9	3.8/5.5
490	3.8/3.8	3.9/3.8	4.1/4.4	4.1/4.5
416	4.8/4.9	5.1/5.8	5.3/5.1	5.4/5.6
357	3.0/2.8	3.2/3.2	3.3/2.0	3.3/0.6
290	5.7/5.8	6.0/6.8	6.2/3.7	6.3/1.1

Flooding for existing conditions



Flooding for proposed bridge

