

Project 7
Curb Failure along WFNBCR
(Behind 1941 Cherry Lane)



Curb Failure Looking Easterly



Curb Failure Looking Westerly



WFNBCR Streambank

PROJECT 7
CURB FAILURE ALONG WFNBCR
(Behind 1941 Cherry Lane)

Statement of Conditions:

Curb and gutter section atop the steep bank of WFNBCR channel behind the shopping center at 1941 Cherry Lane has been settling. Contributing factors include weight of parked vehicles and weakened soil conditions due to saturation during channel flooding and spring thaws.

Problem Identification:

Pavement and channel bank slope deterioration will continue unless corrective action is taken. Major bank failure would result in restoration and permitting costs

Recommended Plan:

- Remove curb and gutter and replace with extended post guardrail
- Back pitch 2' \pm paved surface slope under guard rail to proposed lateral/slotted drain
- Install pipe underdrain system to intercept ground water and minor surface runoff from proposed lateral/slotted drain
- Stabilize disturbed channel bank areas with erosion control blanket and native plantings
- Discourage truck parking in 200' \pm critical area along channel bank

Estimated Total Cost	Construction Cost	Property Cost	Engineering Cost	B/C Ratio	Optimum Protection
\$41,000	\$36,000	N/A	\$5,000	0.27	10-yr