

ITEM: Floodplain Permit application for proposed installation of a fence along property line of 1020 W. Boyd St. in the Imhoff Creek Floodplain

BACKGROUND:

APPLICANT: Robert Tyler Grimmett

ENGINEER: Joel Howell P.E.

This project involves the installation of a wooden fence along the southern property line of 1020 W. Boyd St. The owner states that a pedestrian walking trail is adjacent to their southern property line and pedestrians are regularly cutting across his property. Additionally, while his pets are kept in the yard with a buried electrical fence, unleashed pets with the pedestrians sometimes enter onto his property and create a hazard.

STAFF ANALYSIS:

Site located in Little River Basin or Tributaries? yes__ no✓

According to the latest DFIRM, portions of this project are located within the Imhoff Creek floodplain (Zone AE).

Applicable Ordinance Sections:	Subject Area:
36-533 (e)(2)(a).....	Fill restrictions in the floodplain
(e)(2)(e).....	Compensatory storage
(e)(3)(j).....	Fencing in the floodplain
(f)(3)(8)	No rise considerations

(e)(2)(a) and (e)(2)(e) Fill Restrictions in the Floodplain and Compensatory Storage – The use of fill is restricted in the floodplain unless compensatory storage is provided.

The project engineer has indicated that the volume occupied by fence panels below the BFE is 4.58 CF. Twelve fence posts will be installed in the floodplain with a total volume of 4.56 CF, for a total of 9.14 CF. The applicant has indicated that they will remove this volume, approximately 1.5 wheelbarrows worth, of soil from the south end of the property and dispose of it outside the floodplain.

(e)(3)(j) Fencing in the Floodplain – All new fences or replacement of existing fences in the SFHA require a floodplain permit. Approved fences shall be designed and installed to be breakaway or in some other manner so that flows will not be impeded.

The applicant has indicated the fence type to be installed is a horizontally slatted wooden fence. The bottom slat will be 9.5” above grade and there will be 5.5” of space between each slat thereafter. The fence will only extend along the southern boundary, allowing water to flow both underneath and around the fence. This will allow water to flow unimpeded through the floodplain and meet this ordinance requirement.

(f)(3)(8) No Rise Considerations – For proposed development within any flood hazard area (except for those designated as regulatory floodways), certification that a rise of no more than 0.05 ft. will occur in the BFE on any adjacent property as a result of the proposed work is required.

The project engineer has indicated that the proposed project provides compensatory storage and will allow unimpeded flow through and around the fence therefore, no rise in

the BFE on any adjacent property will occur.

RECOMMENDATION: Staff recommends Floodplain Permit Application #693 be approved.

ACTION TAKEN: _____