

Information for File # 2015-01628-DAS

Applicant: Dale Feller

Corps Contact David Studenski
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Primary County Houston

Section 10
Township 103N
Range 6W

Information Complete On July 16, 2015
Posting Expires On September 14, 2015

Authorization Type LOP-05-MN

This application is being reviewed in accordance with current practices for documenting Corps jurisdiction under Section(s) 9 & 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act.

We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are subject to Corps of Engineers jurisdiction under Section(s) 9 & 10 of the Rivers and Harbors Act of 1899 and/or Section 404 of the Clean Water Act. If an approved jurisdictional determination is completed as part of the review process for this application, a copy will be posted on the St. Paul District web page at the following link:
<http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

THREATENED AND ENDANGERED SPECIES – The following endangered (E) and threatened (T) species are known to occur in Houston County:

Northern long-eared bat (*Myotis septentrionalis*) T - Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. Roosts and forages in upland forests during spring and summer.

Higgins eye pearl mussel (*Lampsilis higginsii*) E - Mississippi River

STATE DESIGNATED TROUT STREAM – The project involves the discharge of fill material into the Swede Bottom Creek which is a designated trout stream per MN rule 6264.0050.

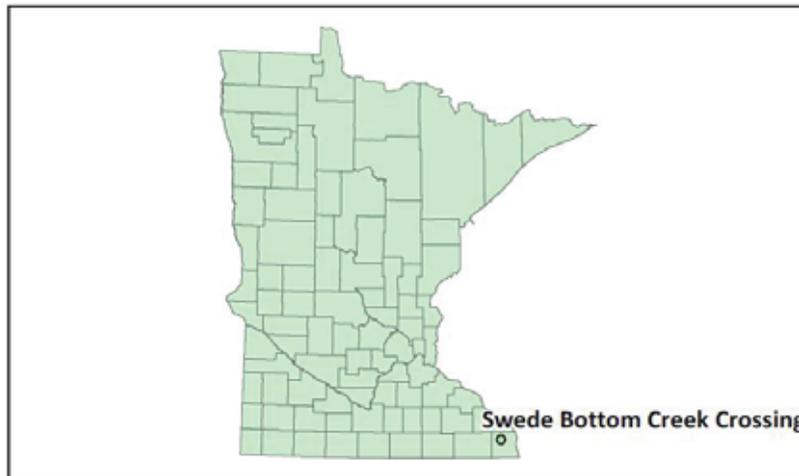
PROJECT DESCRIPTION AND PURPOSE: The applicant proposes to discharge fill material into 0.023 acres of the Swede Bottom Creek for the purpose of constructing a culverted crossing to provide access to the property for a residence. The culverts will be two metal 36" pipes that are 20' long and set between 2 and 6% grade to convey flow and prevent sediment buildup. The applicant is creating a gravel drive surface of 10 to 12' wide with a gradual slope on each side. Rip rap will be used for fill on the upstream end of the culverts and the downstream end will be seeded for erosion control.

NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS: The project would include the discharge of fill material into 0.023 acres of Swede Bottom Creek.

ALTERNATIVES CONSIDERED: The applicant has considered, but is not able to purchase adjacent property to provide access. The applicant also considered an easement across an adjacent property but the driveway did not meet county regulations.

Drawings See attached.

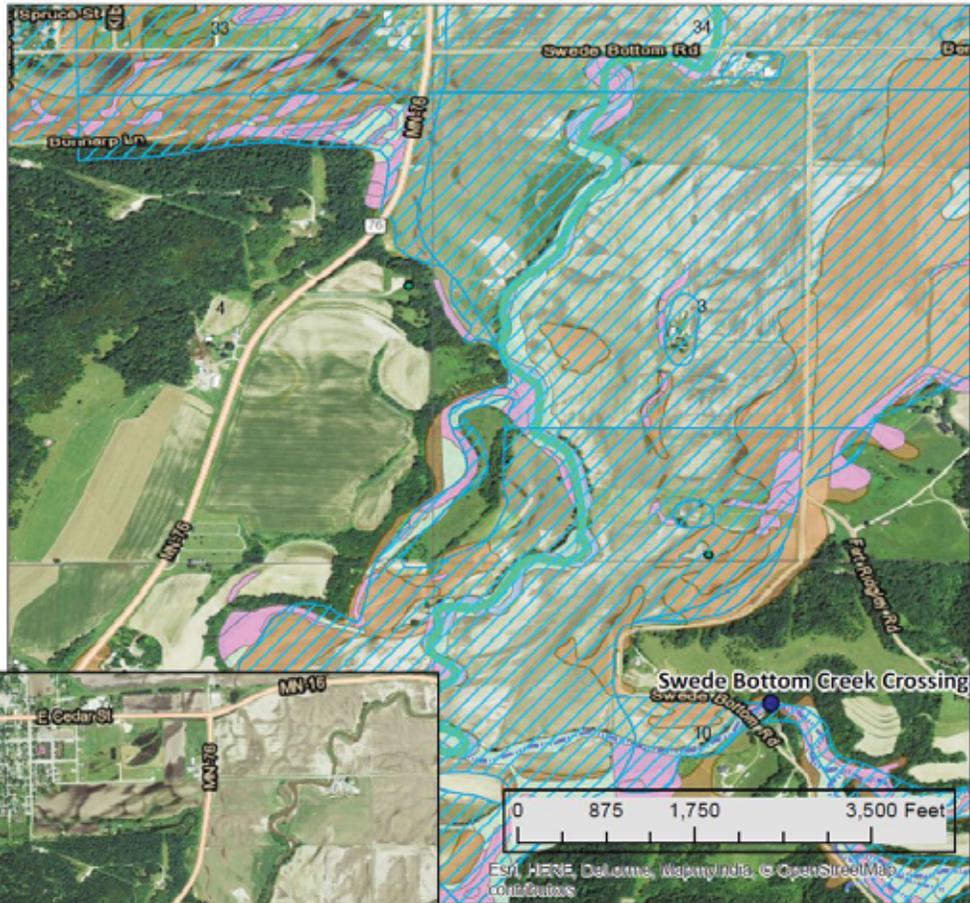
Swede Bottom Creek Crossing - 2015-01628-DAS



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of Engineers
File Location: Scale: Cartographers Initiative



Swede Bottom Creek Crossing - 2015-01628-DAS



Legend

NMI rating

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- 100 year floodplain impaired streams
- Dwarf trout lily potential
- Trout stream
- Shiner
- MN fens
- Archeological sites

Soil hydric rating

- All Hydric
- Not Hydric
- Public Water


St. Paul District
REGULATORY
US Army Corps
of Engineers
The Location Date Cartographers initials



- Culverts will be set to allow trout to pass.
- Actual drive surface will be 10 to 12' wide allowing for a gradual slope on each side to prevent erosion.
- Culverts will be metal.
- Everything will be compacted.
- Headwall to be rip rap. (Hand placed)
- Culvert will be set between 2+6% grade to prevent sediment buildup.
- Any recommendations are greatly appreciated.

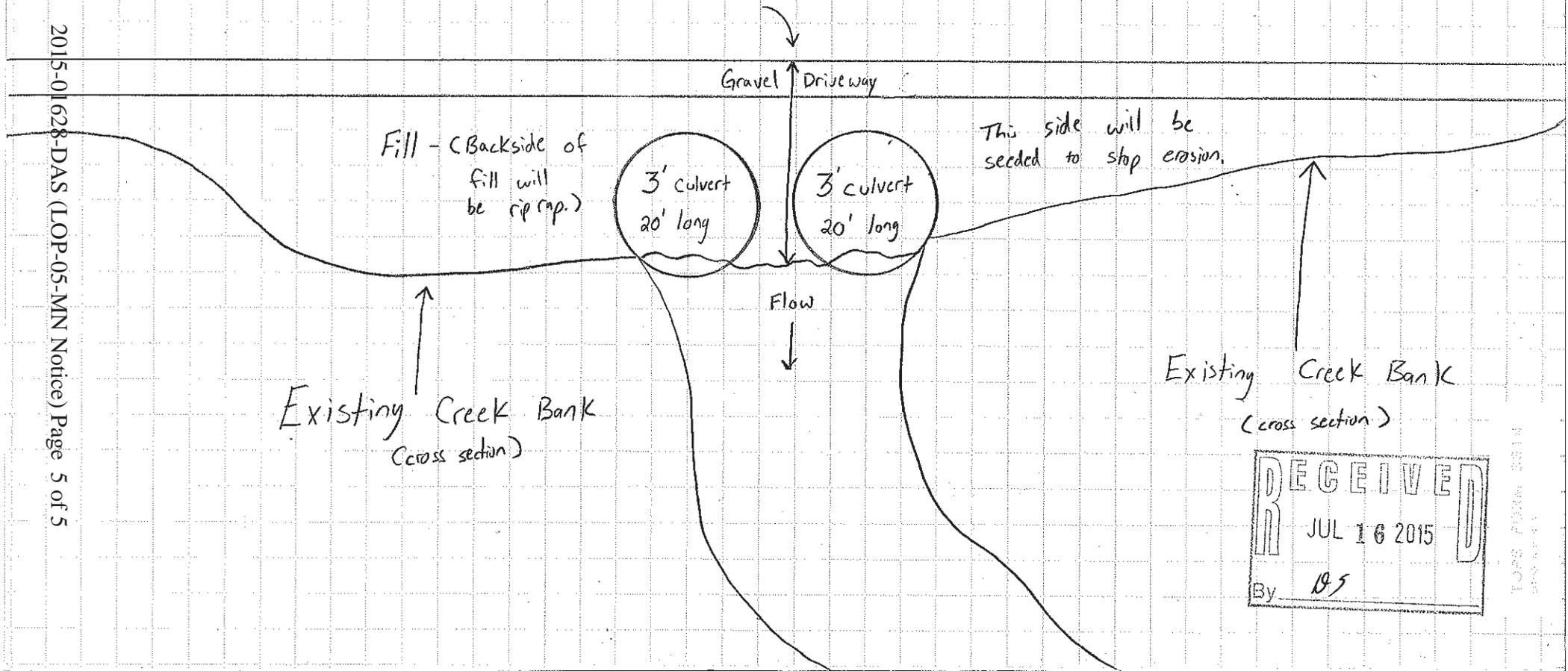
Public water Work Permit
Plans, Permit Number -
2015-1544

Permittee

Dale Feller
Ryan Feller

507-459-4155

I think this will be around 5 or 6 foot of fill.



Existing Creek Bank
(cross section)

