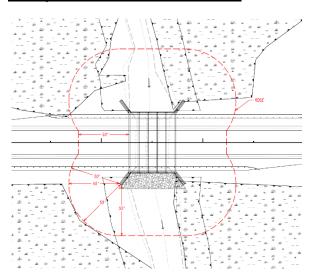
## **Impact Example Plan Sheets**

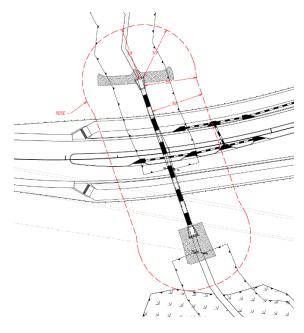
The intent of the Impact Plan Sheet Toolkit is to provide guidance on how impacts to waters of the U.S. (WOTUS) and state-mandated buffers should be measured, classified, highlighted, and labeled on plan sheets submitted with Georgia Department of Transportation (GDOT) Ecology Resource Survey and Assessment of Effects Reports (ERS AOE), ERS AOE Addenda, U.S. Army Corps of Engineers (USACE) Section 404 Clean Water Act Pre-Construction Notifications (PCNs) and Individual Permit applications, and Georgia Environmental Protection Division (EPD) buffer variance applications to facilitate agency review, as well as GDOT QA/QC review, of such documents. The Impact Plan Sheet Toolkit also shows how orange barrier fencing (OBF) should typically be drawn to avoid or minimize impacts to WOTUS and state-mandated buffers where practicable.

In addition, the Impact Plan Sheet Toolkit demonstrates how roadway drainage structure exemption (RDSE) areas--applicable to state-mandated buffer encroachments--should be drawn for bridges and culverts on GDOT projects. RDSE areas should be buffered 50 feet around the entire culvert (including wing walls) and 100 feet around bridge structures, as shown in the following examples.

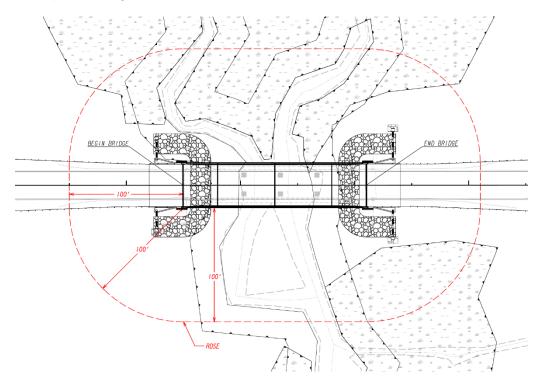
Example 1. Box Culvert RDSE Area



Example 2. Pipe Culvert RDSE Area



Example 3. Bridge RDSE Area



Please note that non-exempt disturbances to state-mandated buffers are <u>not</u> to be highlighted on plans submitted with an ERS AOE, Addendum, or USACE permit applications. The highlighted and labeled non-exempt buffer disturbances provide examples of how plan sheets should be submitted with an EPD buffer variance application. Please refer to the Buffer Variance Guidebook for more information regarding determining non-exempt buffer disturbances and buffer variance exemptions (e.g., RDSE).

Please note that these plan sheets are only examples and do not cover all possible scenarios of impacts, OBF usage, and RDSE areas that may occur on GDOT projects. Please contact the GDOT Ecologist or Ecology Team Leader if unsure of how impacts should be measured, classified, highlighted or labeled; or how OBF or RDSE areas should be drawn on plan sheets.

User notes included in blue font on the Impact Example Plan Sheets are intended only to provide guidance and/or clarification, and should <u>not</u> be included in plans submitted with an ecology document, Section 404 PCN or permit application, or buffer variance application. Notes in black font are examples of typical plan notes included on GDOT project plans by Design for use by the construction or maintenance contractor. However, as warranted, the Ecologist shall coordinate with Design to ensure all such plan notes are accurate and sufficient as they pertain to ecological resources of concern, or to activities affecting (or, having a potential to affect) ecological resources of concern. The Ecologist shall also coordinate with the Design Engineer, as needed, to ensure that Environmentally Sensitive Area (ESA) labels and line types are properly depicted on project plans.

