

September 7, 2017

ESO Internal Guidance: 401/404 Permit Drawing Levels/Layers

In an effort to improve consistency and more accurately depict impacts to streams and wetlands on permit drawings ESO Permitting Division is implementing new standards for permit drawings. For all future permit applications permit drawings will rely on a reduced number of line levels from the roadway/bridge design file.

Specifically, SCDOT requires the following items (at minimum) to be depicted on permit drawings:

- Existing roadway
- Existing bridge
- Existing centerline
- Proposed roadway
- Proposed bridge
- Proposed centerline
- Roadway station numbers
- Proposed Bridge Construction Areas
- Bridge Plan/Profile

- Proposed Construction limits areas of proposed cut/fill activities
- Clearing limits area between NPDES line and construction limits; Bridge Construction Access areas
- Proposed pipes or culverts in wetlands/streams
- Proposed riprap in wetlands/streams
- Labeled cross sections include label and stationing on the cross section sheet

ESO Permitting Coordinators must recognize that each project is unique and that additional items may be required to accurately depict the proposed impacts for a specific project.

A link to the SCDOT CADD Standards Manual is provided below. Pages 25-37 provide the level name and a short description. Additionally pages 215-220 provide Environmental specific standards.

http://www.dot.state.sc.us/doing/technicalPDFs/cadd/SCDOT_Roadway_Cadd_Manual.pdf

Examples of line levels that may be used to depict existing/proposed road or bridge features and levels used to determine impact locations:

- RD_PD_ALT1_TrvlWay
- RD PD BCA
- RD_PD_Bridge
- RD PD CstnLmt

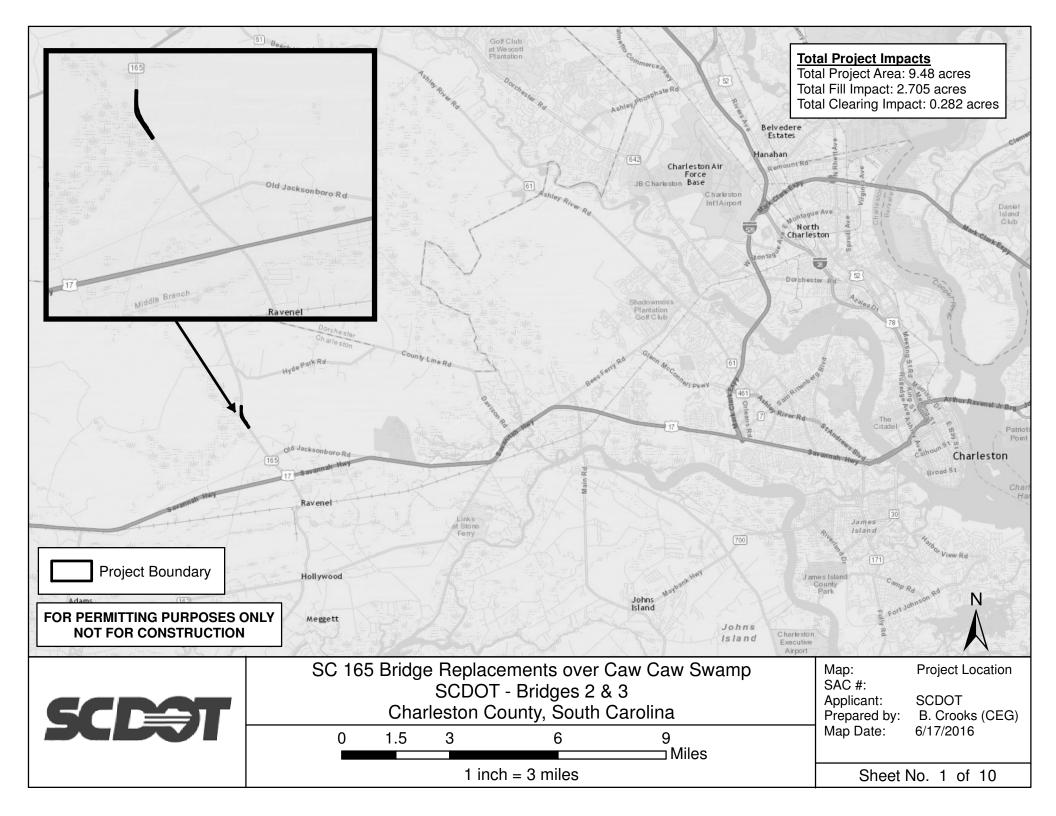
- RD_PD_DR_ErosCtrl
- RD HC Data Tic
- RD_EX_Bridge
- RD EX Conc

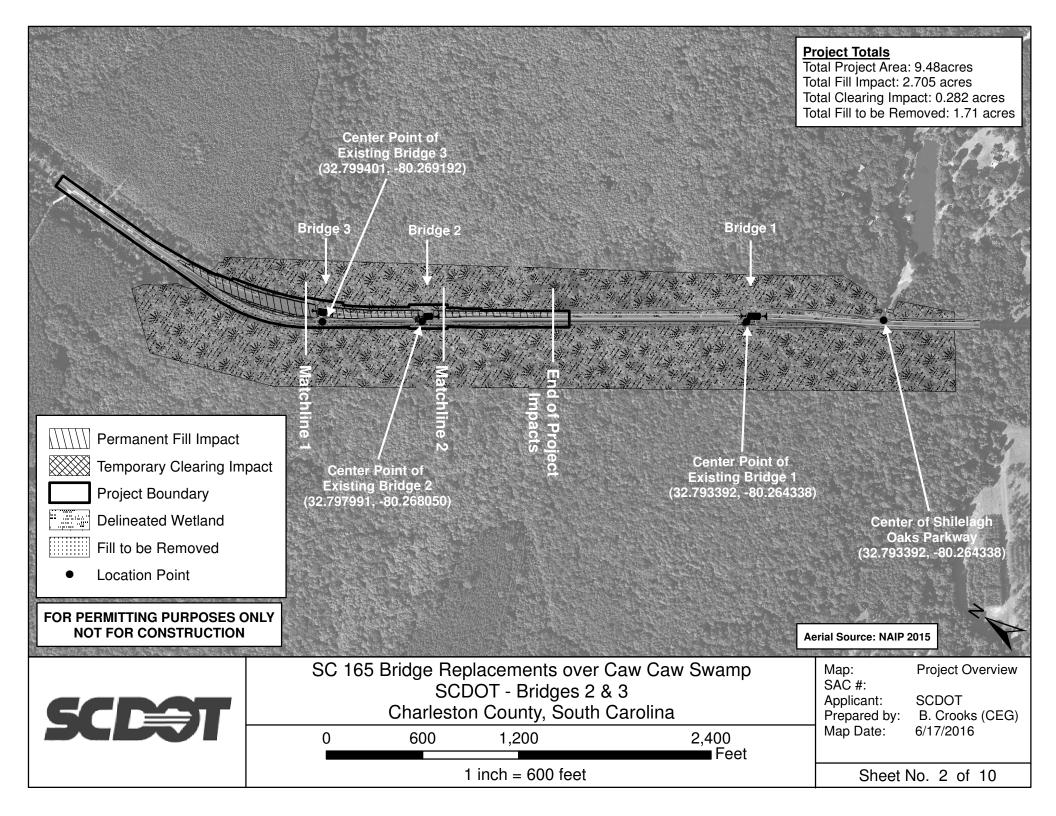
- RD_EX_RailRoad
- RD EX Road
- RD_HC_Cl
- RD PD DR Pipe

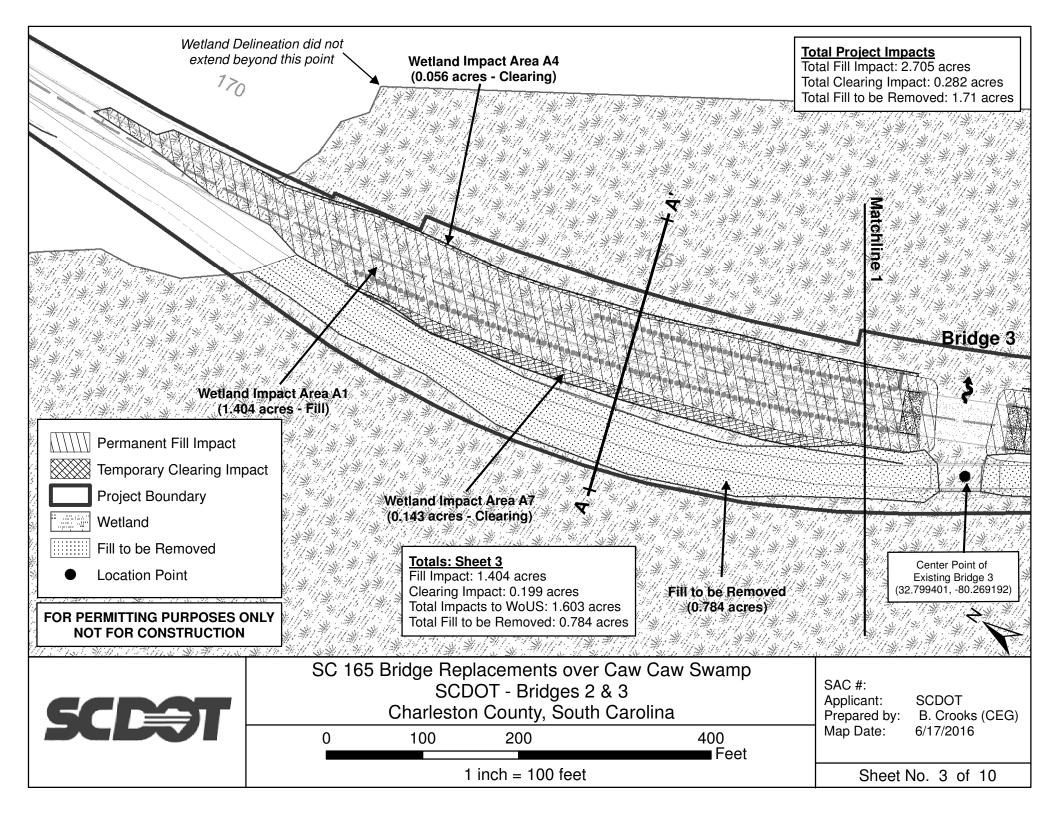


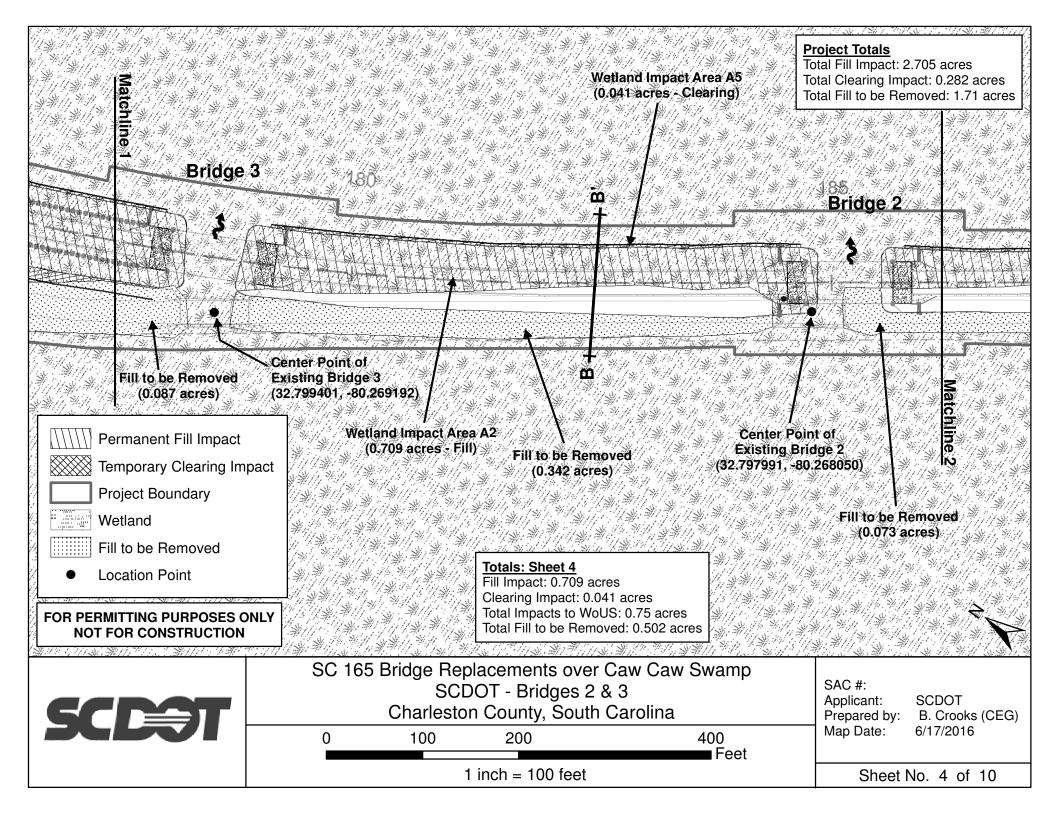
Example of Permit Drawings (1)

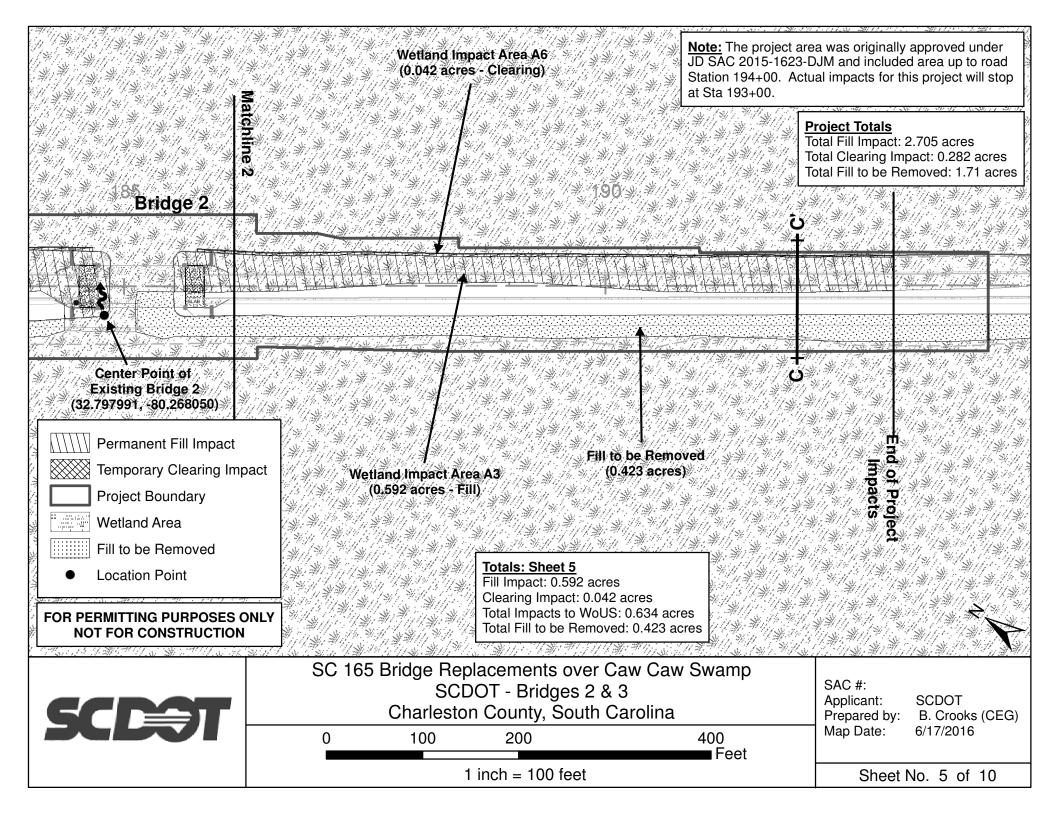


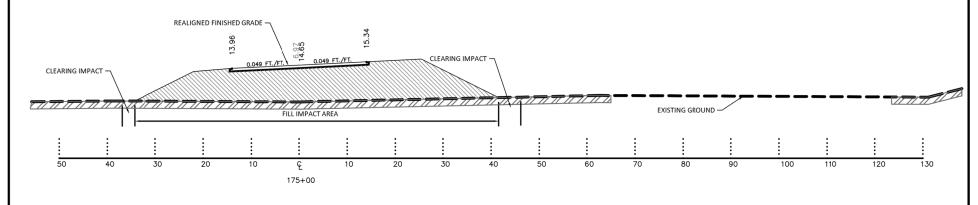
















> WETLAND CROSS SECTION A-A'

SAC #:

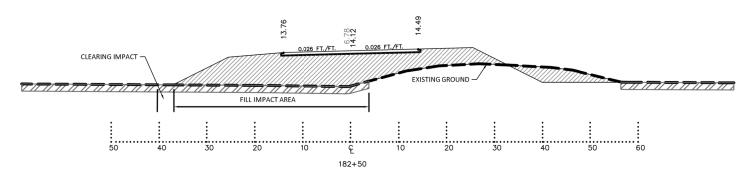
Applicant:

t: SCDOT

Prepared by: B. Crooks (CEG)

Map Date: 5/26/2016

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WETLAND CROSS SECTION B-B'

SAC #:

Applicant:

SCDOT

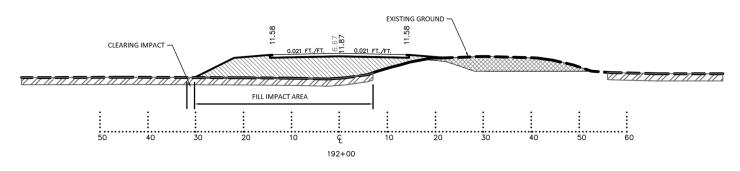
Prepared by:

B. Crooks (CEG)

5/26/2016

Map Date:

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WETLAND CROSS SECTION C-C'

SAC #:

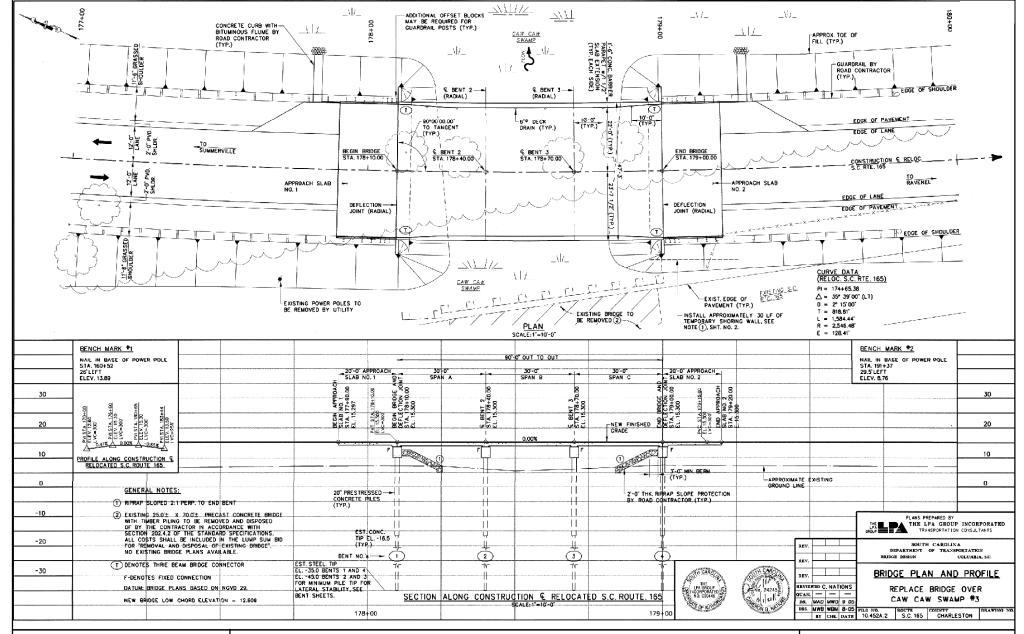
Applicant:

SCDOT

Prepared by: Map Date: B. Crooks (CEG)

Map Date: 5/26/2016

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Bridge 3 Plan and Profile Sheet

SAC #:

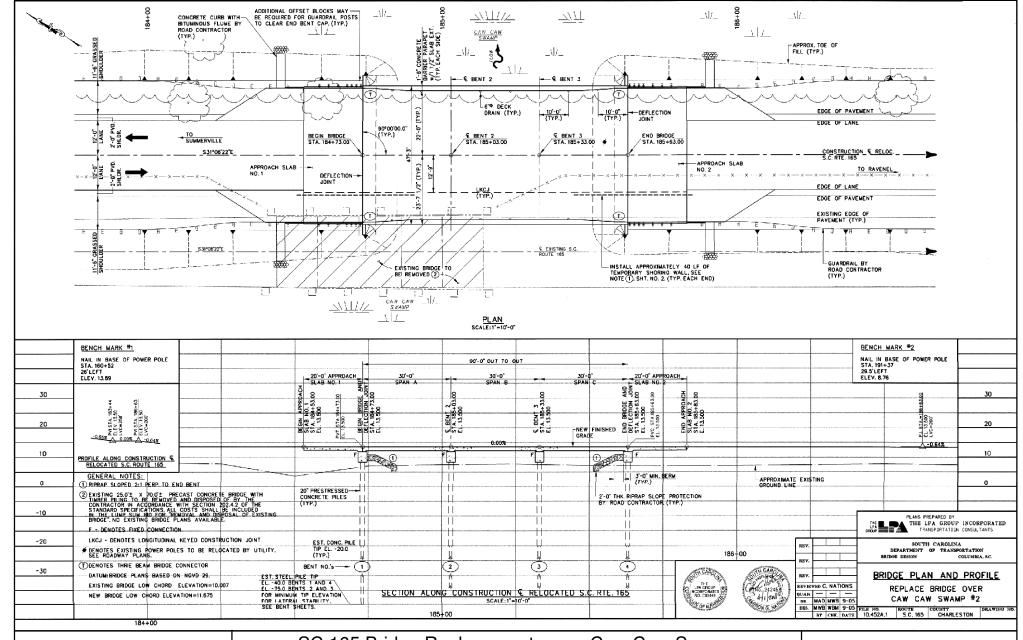
Applicant:

SCDOT Prepared by: B. Crooks

Map Date:

6/17/2016

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Bridge 2 Plan and Profile Sheet

SAC #:

Applicant:

SCDOT Prepared by: B. Crooks

Map Date:

6/17/2016

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