



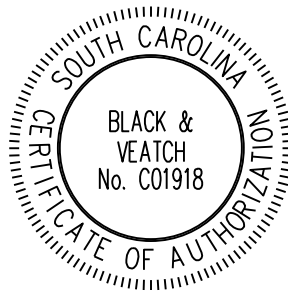
**Renewable Water Resources**  
Greenville, South Carolina

CONTRACT DOCUMENTS  
Reedy River Basin Sewer Tunnel

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**ADDENDUM IV - CONTRACT REVISIONS**

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Prepared by

**Black & Veatch Corporation**  
Greenville, South Carolina



**BLACK & VEATCH**

B&V Project No. 192263

October 3, 2017

## Renewable Water Resources

### CONTRACT DOCUMENTS Reedy River Basin Sewer Tunnel

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#### ADDENDUM IV - CONTRACT REVISIONS

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- A. SCOPE. This is an attachment to the Addendum IV Reedy River Basin Sewer Tunnel RFB and consists of pages ADIV-1 through ADIV-5. This Addendum covers the following additions and changes to the Project Manual and Project Drawings.
- B. PROJECT MANUAL.
1. Section 01380 – CONSTRUCTION PHOTOGRAPHS

Page 1. Paragraph 2. Aerial Photographs. Delete the following sentences:

“All negatives, two 8” by 10” prints of each view, and two compact discs containing duplicate digital images shall be submitted. Negatives shall be identified with description of view and date. Prints shall be mounted on linen with flap for binding or enclosed in clear plastic binders. Each binder and compact disc shall be marked with the name and number of the Contract and name of Contractor.”

Page 2. Add the following paragraphs to the end of the Section:

“3. PHOTOGRAPH FORMAT AND ORGANIZATION. Photographs shall be taken in color and shall be taken and submitted to Engineer in digital format.

3.01. Resolution. All photographs (except aerial photographs) shall be JPEG (Joint Photographic Experts Group) with a minimum resolution of 1280x1024 pixels and a maximum resolution of 3264x2448 pixels. Aerial photographs shall have a minimum resolution of 4256x2848 pixels.

3.02. Filenames. All photographs filenames shall follow a syntax of

YYYY-MM-DD\_LOC\_DESC.jpg

Where,

YYYY = the four-digit year.

MM = the two-digit month.

DD = the two-digit day.

LOC = the site location where the photograph was taken.

DESC = a general description of the subject of the photograph.

3.03. Media. Contractor shall submit the photographs electronically on CD-ROM or DVD-ROM. Files may be grouped into descriptive folders as necessary. The surface of each disc shall be labeled with the project name and date range wherein the photographs were taken.

4. SUBMITTALS. Two (2) copies of each disc shall be submitted to the Engineer in accordance with the provisions of Section 01300 - Submittals Procedures.”

## 2. Section 01500 – TEMPORARY FACILITIES

Page 1. Paragraph 2. Office for Engineer at Site of Work. Delete the sentence: “The Engineer’s offices shall be onsite and fully operational within one month after Notice to Proceed and shall remain fully functional for one month after Final Completion.” and replace with the following:

“The Engineer’s offices shall be onsite and fully operational within two months after Notice to Proceed and shall remain fully functional for one month after Final Completion.”

## 3. Section 02441 – TUNNEL AND SHAFT ROCK SUPPORT SYSTEMS

Page 8. Paragraph 2-1.04. Fricton Rock Bolts. Add the following sentence after “Wayne, New Jersey”:

“or Jennmar Expandable Rock Bolt “Super”.”

Page 8. Paragraph 2-1.05. Fricton Rock Dowels. Add the following sentence after “Princeton, New Jersey”:

“or Jenmar FRICTION-LOK Stabilizer System FL-46.”

4. Section 02445 – SHAFT EXCAVATION

Page 9. Paragraph 3-2.01.a. Remove the word “Pre-Excavation”.

Page 9. Paragraph 3-2.01.a.(1). Remove the word “Pre-Excavation”.

5. Section 02620 – DUCTILE IRON PIPE

Page 7. Paragraph 3-6. FIELD JOINTS. Add the following sentence after “Restrained joints shall be extended after they are assembled to minimize further take-up.”:

“The length of pipe having restrained joints shall be as indicated on the Drawings.”

C. PROJECT DRAWINGS.

Drawings Y04, Y06, C11. Refer to Figure 1 on page ADIV-5 regarding the temporary easement boundary revision at the Upstream Site.

1. Drawing Y02 – Demolition Plan, Drop Shaft and Upstream Connections. Add new Note 15:

“15. CONTRACTOR SHALL RESTRICT ACTIVITIES ON SALVATION ARMY PROPERTY TO THE AREA BOUNDED BY SILT FENCE AS SHOWN ON Y04 EXCEPT FOR ROADWAY MILLING AND REPAVING ACTIVITIES. NO ROADWAY DEMOLITION OR ROAD IMPROVEMENTS WORK SHALL BE PERFORMED ON SALVATION ARMY PROPERTY UNTIL THE RILEY STREET RELOCATION IMPROVEMENTS ARE MADE AT THE END OF THE WORK. CONTRACTOR SHALL RELOCATE OR ESTABLISH EROSION CONTROL FOR THIS WORK AT THAT TIME.”

2. Drawing Y04 – Site Plan, Drop Shaft and Upstream Connections. Add new Note 16:

“16. CONTRACTOR SHALL RESTRICT ACTIVITIES ON SALVATION ARMY PROPERTY TO THE AREA BOUNDED BY SILT FENCE AS SHOWN ON THIS DRAWING EXCEPT FOR ROADWAY MILLING AND REPAVING ACTIVITIES. NO ROADWAY DEMOLITION OR ROAD IMPROVEMENTS WORK SHALL BE PERFORMED ON SALVATION ARMY PROPERTY UNTIL THE RILEY STREET RELOCATION IMPROVEMENTS ARE MADE AT THE END OF THE WORK.”

CONTRACTOR SHALL RELOCATE OR ESTABLISH EROSION CONTROL FOR THIS WORK AT THAT TIME.”

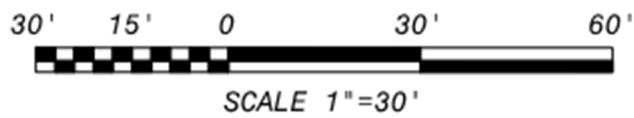
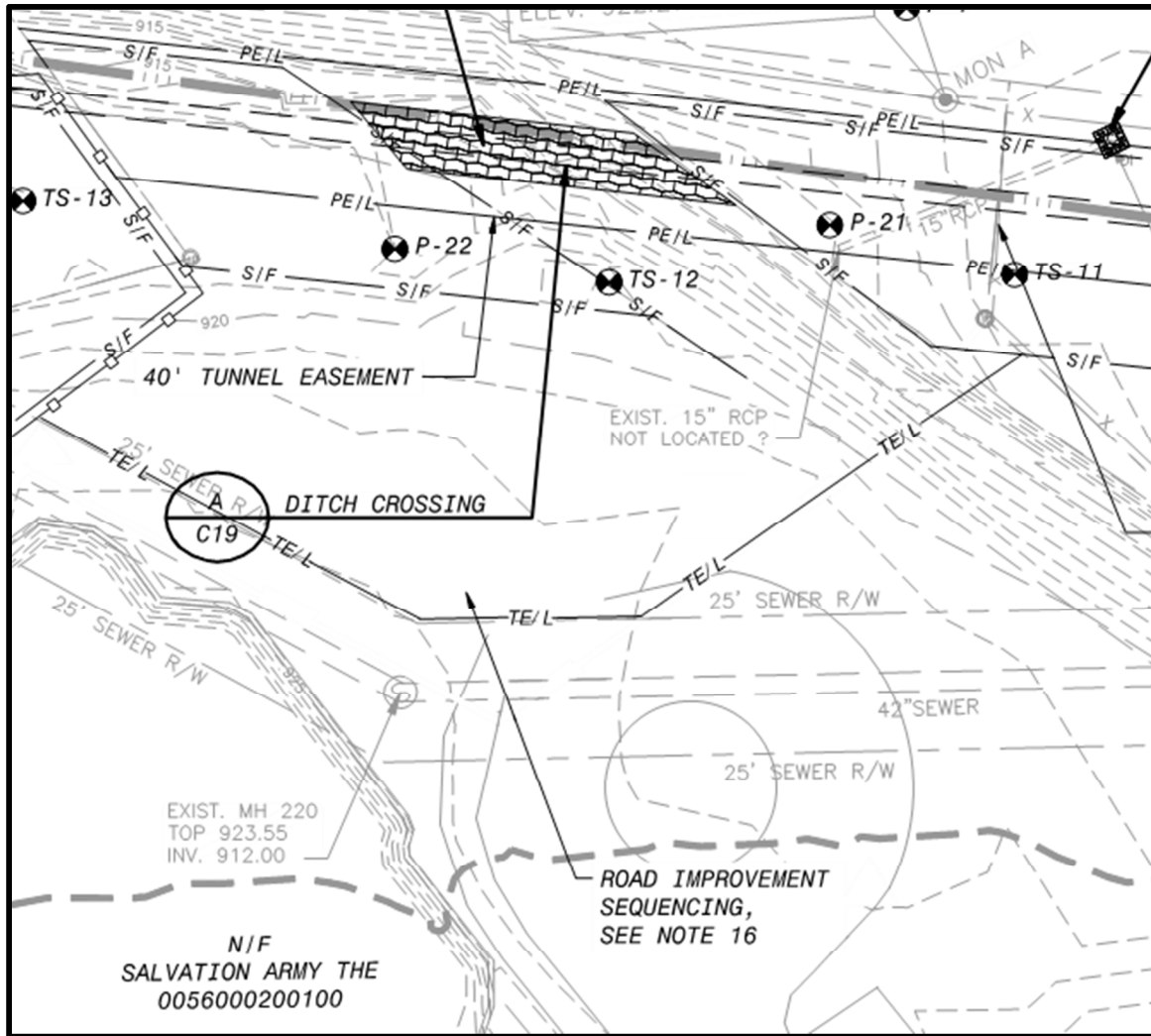
3. Drawing Y06 – Restoration Plan, Drop Shaft and Upstream Connections.  
Add new Note 9:


“9. CONTRACTOR SHALL RESTRICT ACTIVITIES ON SALVATION ARMY PROPERTY TO THE AREA BOUNDED BY SILT FENCE AS SHOWN ON Y04 EXCEPT FOR ROADWAY MILLING AND REPAVING ACTIVITIES. NO ROADWAY DEMOLITION OR ROAD IMPROVEMENTS WORK SHALL BE PERFORMED ON SALVATION ARMY PROPERTY UNTIL THE RILEY STREET RELOCATION IMPROVEMENTS ARE MADE AT THE END OF THE WORK. CONTRACTOR SHALL RELOCATE OR ESTABLISH EROSION CONTROL FOR THIS WORK AT THAT TIME.”

4. Drawing C11 – Plan and Profile, Drop Shaft and Upstream Connections.  
Add new Note 3:

“3. CONTRACTOR SHALL RESTRICT ACTIVITIES ON SALVATION ARMY PROPERTY TO THE AREA BOUNDED BY SILT FENCE AS SHOWN ON THIS DRAWING EXCEPT FOR ROADWAY MILLING AND REPAVING ACTIVITIES. NO ROADWAY DEMOLITION OR ROAD IMPROVEMENTS WORK SHALL BE PERFORMED ON SALVATION ARMY PROPERTY UNTIL THE RILEY STREET RELOCATION IMPROVEMENTS ARE MADE AT THE END OF THE WORK. CONTRACTOR SHALL RELOCATE OR ESTABLISH EROSION CONTROL FOR THIS WORK.”

5. Drawing S06 – MH 590A - Junction Box, Plans and Sections. Section 1.  
Delete “60” RCP” and replace with “60” DIP”.



 <b>BLACK &amp; VEATCH</b>  Black & Veatch Corporation Greenville, South Carolina	<b>RENEWABLE WATER RESOURCES</b>  REEDY RIVER BASIN SEWER TUNNEL	<b>PROJECT NO.</b> 192263
	<b>FIGURE 1:</b> <b>TEMPORARY EASEMENT</b> <b>BOUNDARY REVISION</b>	<b>SHEETS:</b> Y04 Y06 C11