

JOINT
PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS
1835 Assembly Street, Room 865B-1
Columbia, South Carolina 29201

and

THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Water Quality Certification and Wetlands Section
2600 Bull Street
Columbia, South Carolina 29201

Pursuant to Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1341), a permittee-responsible compensatory mitigation (PRM) plan for an application originally noticed on December 1, 2014, has been submitted to the Department of the Army and the S.C. Department of Health and Environmental Control by

The Kroger Company
c/o Laura Belanger
Environmental Permitting Consultants, Inc.
P.O. Box 3744
Greenville, SC 29608

As mitigation to restore, enhance, and preserve tributaries and wetlands along

Rocky Branch, unnamed tributaries of Rocky Branch and Mill Creek Mitigation Bank

at locations downstream of the site location on Assembly Street, between Ferguson Road and Bluff Road, Richland County, South Carolina (Latitude 33.9824 N, Longitude 81.0282 W) Southwest Columbia Quad

In order to give all interested parties an opportunity to express their views

NOTICE

is hereby given that written statements regarding the proposed work will be received by the Corps until

15 Days from the Date of this Notice,

and SCDHEC will receive written statements regarding the proposed work until

30 Days from the Date of this Notice

from those interested in the activity and whose interests may be affected by the proposed work.

NOTE: THIS PROJECT WAS ORIGINALLY PLACED ON PUBLIC NOTICE ON DECEMBER 1, 2014. ALL ASPECTS OF THE PROJECT SITE REMAIN THE SAME. THE APPLICANT HAS PROPOSED A NEW COMPENSATORY MITIGATION PLAN FOR THE IMPACTS. THIS NOTICE SEEKS COMMENTS ON THE NEW COMPENSATORY MITIGATION PLAN THAT INCLUDES A NEW PERMITTEE-RESPONSIBLE MITIGATION (PRM) PLAN AND

PURCHASING CREDITS FROM A MITIGATION BANK. COMMENTS RECEIVED ON THE PROJECT DURING THE ORIGINAL PUBLIC NOTICE WILL BE CONSIDERED IN OUR EVALUATION.

The proposed work consists of off-site PRM. Mitigation activities will include the removal of a pipe and daylighting of an unnamed tributary of Rocky Branch, placement of a cross vane to provide necessary grade control on the unnamed tributary of Rocky Branch, re-grading areas and benching stream banks within Olympia Park to alleviate erosional stress, placement of 4 cross vanes and 2 j-hooks in a different tributary designed to alleviate near bank stress, provide necessary grade control and increase stream bed diversity, and planting of riparian and wetland shrubs and trees to establish stable stream banks. According to the applicant, this project would generate a total of 2,915.44 credits. The remainder of the credits will be purchased from Mill Creek Mitigation Bank. The District Engineer has not reached a decision as to the proposed PRM plan's compliance with the 2008 Final Compensatory Mitigation Rule and the Charleston District's Guidelines for Preparing a Compensatory Mitigation Plan. A jurisdictional determination has not been verified for the proposed PRM sites. The entire PRM plan is available upon request.

NOTE: This public notice and associated plans are available on the Corps' website at:
<http://www.sac.usace.army.mil/Missions/Regulatory/PublicNotices> .

The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. This activity may also require evaluation for compliance with the S.C. Construction in Navigable Waters Permit Program. State review, permitting and certification is conducted by the S. C. Department of Health and Environmental Control. The District Engineer will not process this application to a conclusion until such certifications are received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact freshwater habitat well inland estuarine substrates and emergent wetlands utilized by various life stages of species comprising the shrimp, and snapper-grouper management complexes. The District Engineer's initial determination is that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS). The District Engineer's final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

Pursuant to the Section 7 of the Endangered Species Act of 1973 (as amended), the applicant has provided a protected species survey for the property associated with the activity described above. Based upon this report, the District Engineer has determined that the project is not likely to adversely affect any Federally endangered, threatened, or proposed species or result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request for written concurrence from the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service on this determination.

In accordance with Section 106 of the NHPA, the District Engineer has consulted South Carolina ArchSite (GIS), for the presence or absence of historic properties (as defined in 36 C.F.R.

AUGUST 16, 2016

800.16)(f)(1)), and has initially determined that no historic properties are present; therefore, there will be no effect on historic properties. To ensure that other historic properties that the District Engineer is not aware of are not overlooked, this public notice also serves as a request to the State Historic Preservation Office and any other interested parties to provide any information they may have with regard to historic properties. This public notice serves as a request for concurrence within 30 days from the SHPO (and/or Tribal Historic Preservation Officer).

The District Engineer's final eligibility and effect determination will be based upon coordination with the SHPO and/or THPO, as appropriate and required and with full consideration given to the proposed undertaking's potential direct and indirect effects on historic properties within the Corps-identified permit area.

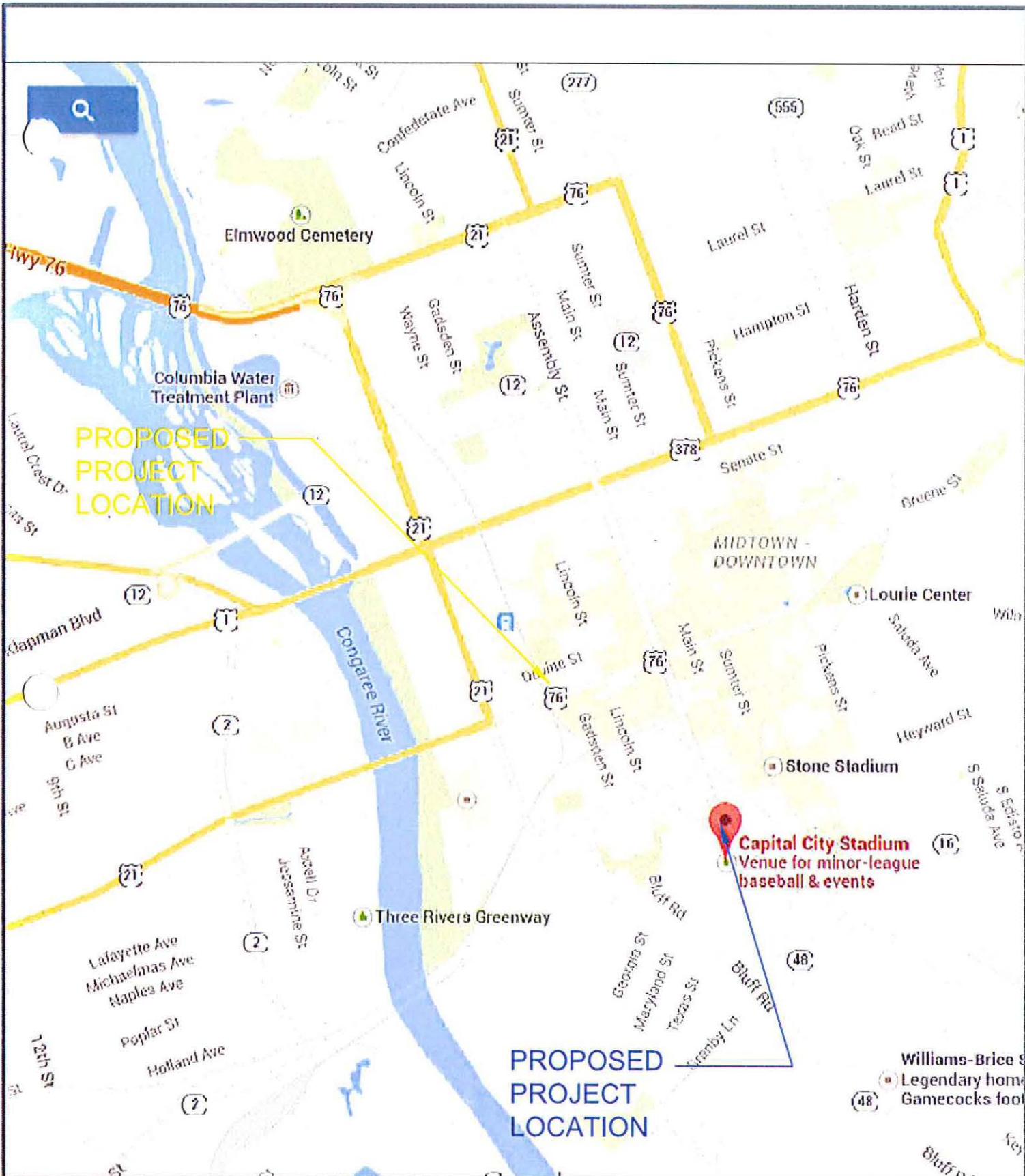
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public. The benefit which reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. A permit will be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps cannot undertake to adjudicate rival claims.

The Corps is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this project. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity. **Please submit comments in writing, identifying the project of interest by public notice number, to the following address:**

**U.S. Army Corps of Engineers
ATTN: REGULATORY DIVISION
1835 Assembly Street, Room 865B-1
Columbia, South Carolina 29201**

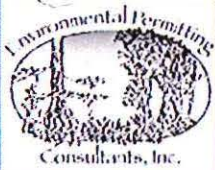
If there are any questions concerning this public notice, please contact Kristin B. Andrade, Watershed Manager, at 803-253-3903.



Source: Google Maps

GRAPHIC SCALE

1 Inch = 2,000 feet



Post Office Box 3744
Greenville, SC 29608
Phone: (864) 271-2349
Fax: (864) 255-9299

DRAWN BY:	LHB
DATE:	20 June 2016
EPC PROJECT NO.:	1317

LOCATION MAP

ASSEMBLY ST.
KROGER
RICHLAND COUNTY

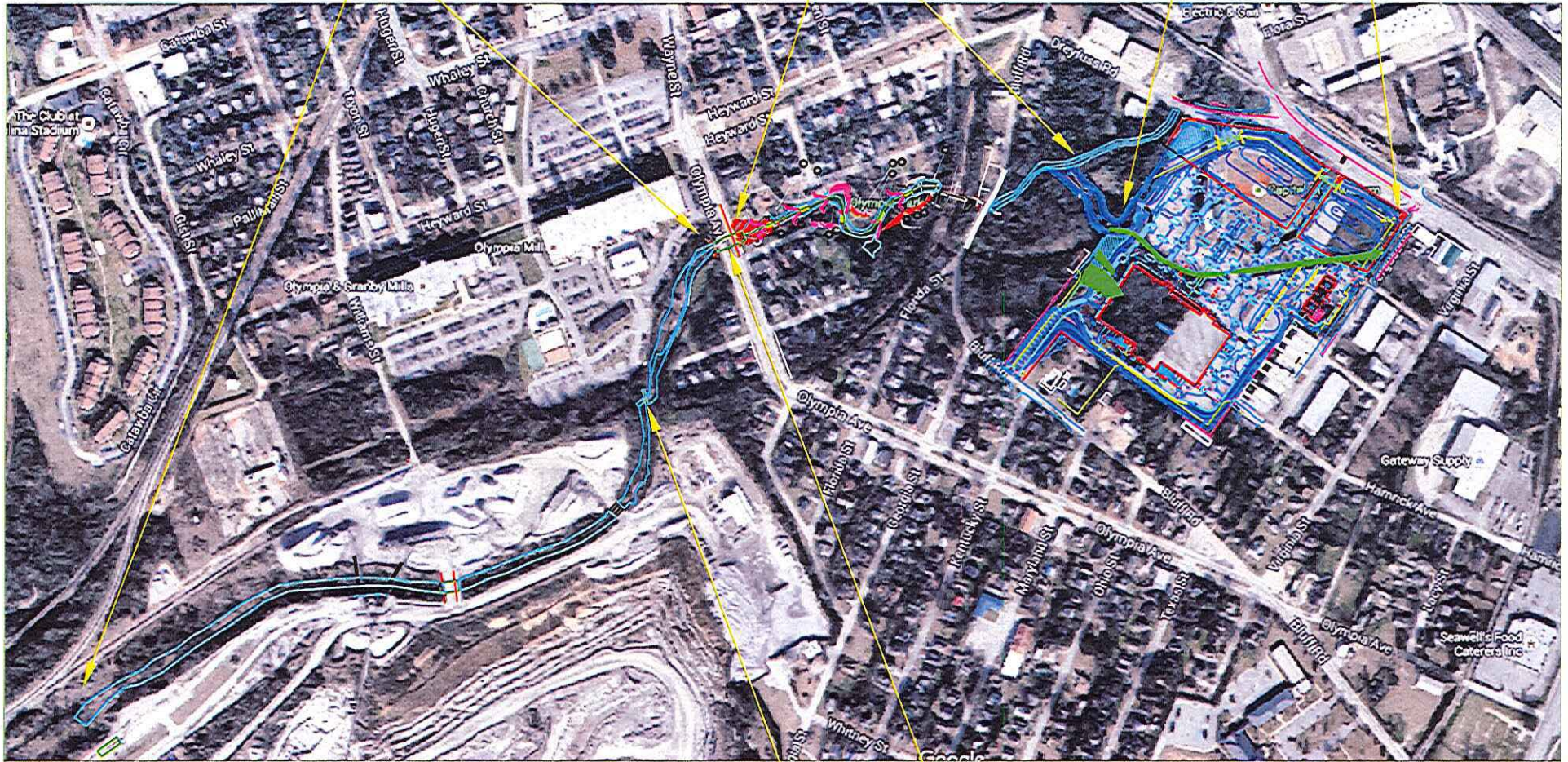
SHEET NO.

1

REMOVAL OF
ACCUMULATED SEDIMENT
TOTAL LENGTH
+/- 3400 l.f.

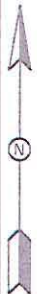
MITIGATION
TOTAL LENGTH:
1251 l.f.

KROGER
TOTAL IMPACTS
WETLAND: 0.305 ac.
STREAM: 1070 l.f.



Removal of Abandoned RR
Trestle and Retaining Wall

Replacement of Olympia Ave
Culvert
(separate DOT permit)



GRAPHIC SCALE

1 inch = 600 feet

Post Office Box 3744
Greenville, SC 29608
Phone: (864) 271-3040
Fax: (864) 235-9299

DRAWN BY: LHB
DATE: 20 June 2016
EPC PROJECT NO.: 1317

2012-00820-6F

PROJECT WIDE OVERVIEW

ASSEMBLY STREET
KROGER
RICHLAND COUNTY

SHEET NO.

2



Mitigation Area
 See Conceptual
 Mitigation Plan
 for Details)

Relocated Channel

KROGER
 TOTAL IMPACTS
 STREAM: 1070 l.f.
 WETLAND: 0.305 ac.



GRAPHIC SCALE

1 inch = 200 feet

Post Office Box 3744
 Greenville, SC 29606
 Phone: (864) 271-3340
 Fax: (864) 235-9299

DRAWN BY: LHB
 DATE: 20 June 2016
 EPC PROJECT NO.: 1317

2012-00820-6F

KROGER OVERVIEW

ASSEMBLY STREET
 KROGER
 RICHLAND COUNTY

SHEET NO.

3

MITIGATION
 TOTAL LENGTH:
 1251 l.f.



Olympia Park Stream Restoration
 947 l.f.

Addition of 72" RCP at RR Grade to improve flow conditions

Unnamed Tributary of Rocky Branch Daylighting
 304 l.f.

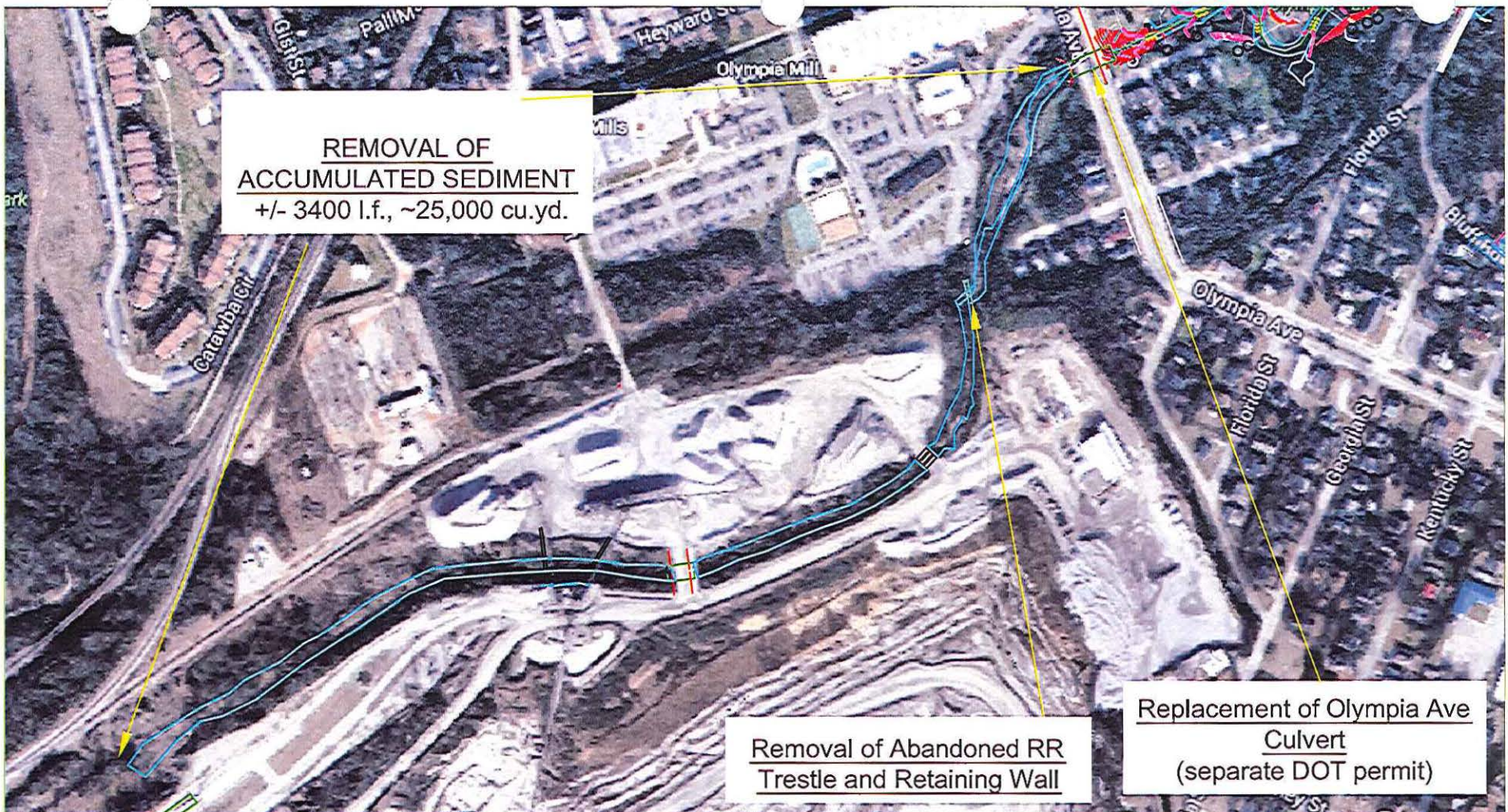


GRAPHIC SCALE	
1 inch = 160 feet	
Post Office Box 3744 Greenville, SC 29608 Phone: (804) 271-3040 Fax: (804) 235-9200	DRAWN BY: LHB DATE: 20 June 2016 EPC PROJECT NO.: 1317

2012-00820-6F

MITIGATION OVERVIEW
 ASSEMBLY STREET
 KROGER
 RICHLAND COUNTY

SHEET NO.
4



**REMOVAL OF
ACCUMULATED SEDIMENT**
+/- 3400 l.f., ~25,000 cu.yd.

**Removal of Abandoned RR
Trestle and Retaining Wall**

**Replacement of Olympia Ave
Culvert**
(separate DOT permit)



GRAPHIC SCALE
1 inch = 400 feet

Post Office Box 3744 Greenville, SC 29608 Phone: (864) 271-3040 Fax: (864) 235-9299	DRAWN BY: LHB
	DATE: 20june2015
EPC PROJECT NO.: 1317	

ADDITIONAL WORK OVERVIEW
ASSEMBLY STREET
KROGER
RICHLAND COUNTY

2012-00820-6F

SHEET NO.
5



Existing 48" RCP



GRAPHIC SCALE

1 inch = 75 feet

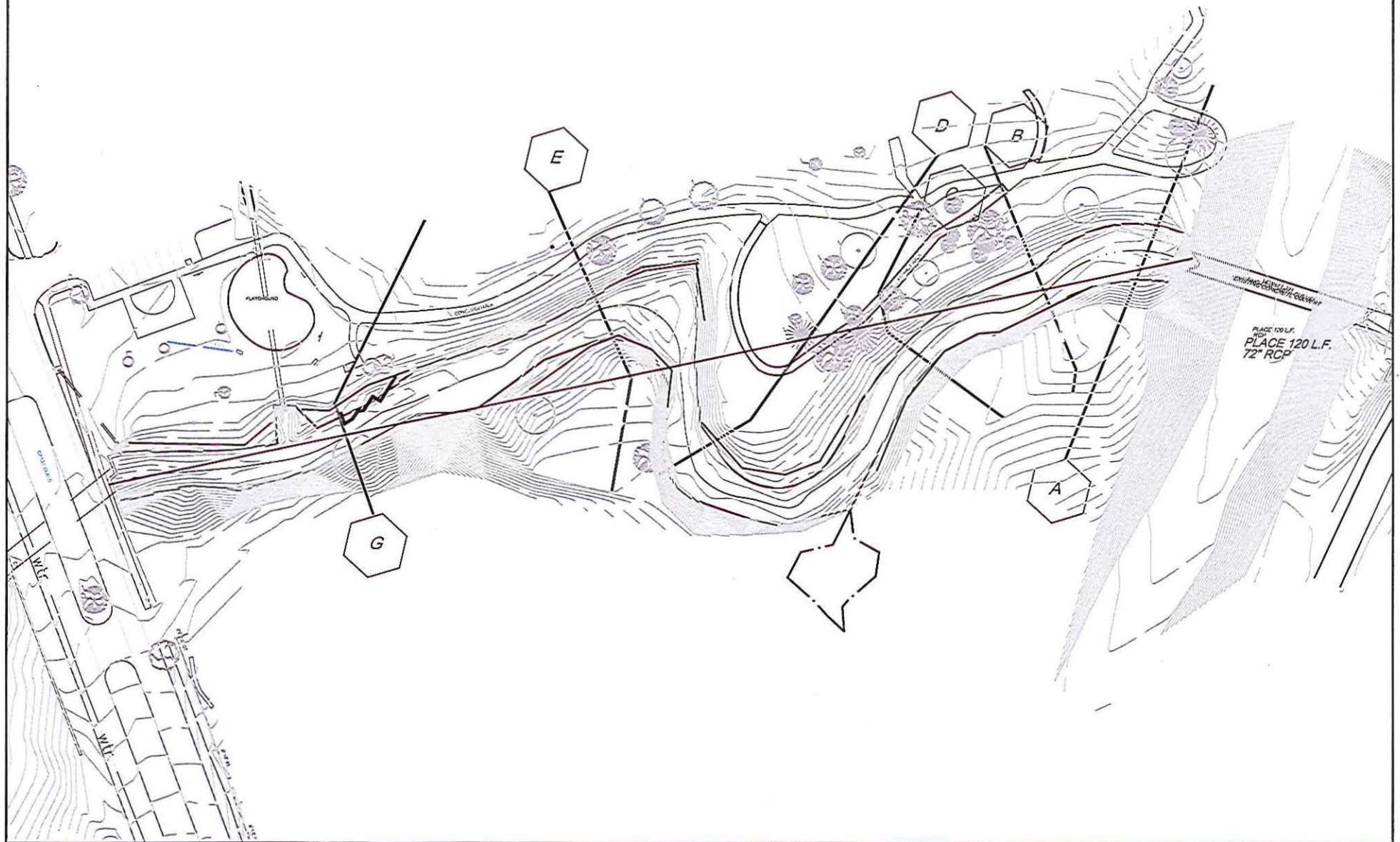
Post Office Box 3744
 Greenville, SC 29608
 Phone: (864) 271-3040
 Fax: (864) 235-9290

DRAWN BY: LHB
 DATE: 15/july2016
 EPC PROJECT NO.: 1316

EXISTING CONDITIONS
 DAYLIGHTING STREAM RESTORATION
 KROGER
 RICHLAND COUNTY

SHEET NO.

1



GRAPHIC SCALE

1 inch = 50 feet

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Greenville, SC 29608
Phone: (804) 271-3040
Fax: (804) 235-0209

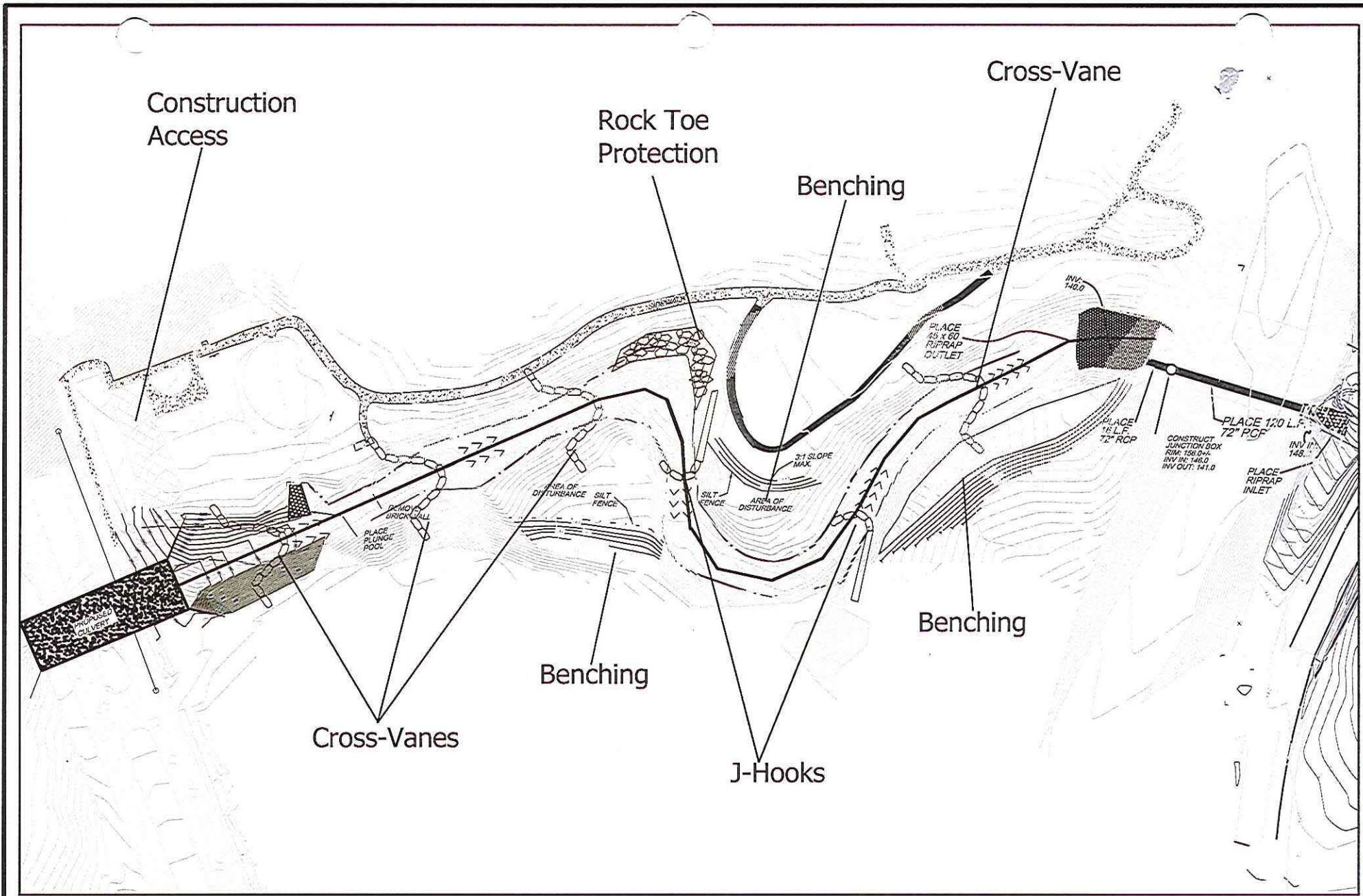
DRAWN BY:	LHB
DATE:	15 July 2016
EPC PROJECT NO.:	1316

EXISTING CONDITIONS WITH CROSS SECTION LOCATIONS

OLYMPIA PARK STREAM RESTORATION
KROGER
RICHLAND COUNTY

SHEET NO.

2



GRAPHIC SCALE

1 inch = 100 feet

Post Office Box 3744
Greenville, SC 29608
Phone: (864) 271-3040
Fax: (864) 235-9299

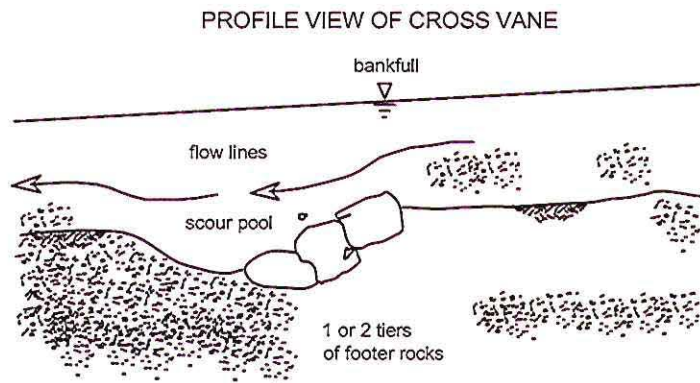
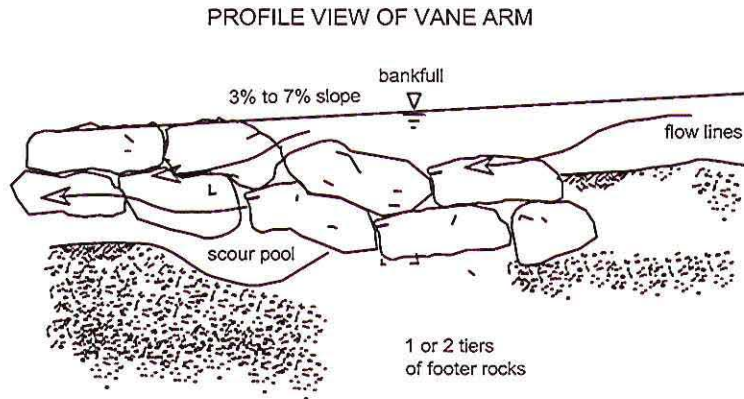
DRAWN BY: LHB
DATE: 15 July 2016
EPC PROJECT NO.: 1316

PROPOSED PLAN VIEW
OLYMPIA PARK STREAM RESTORATION
KROGER
RICHLAND COUNTY

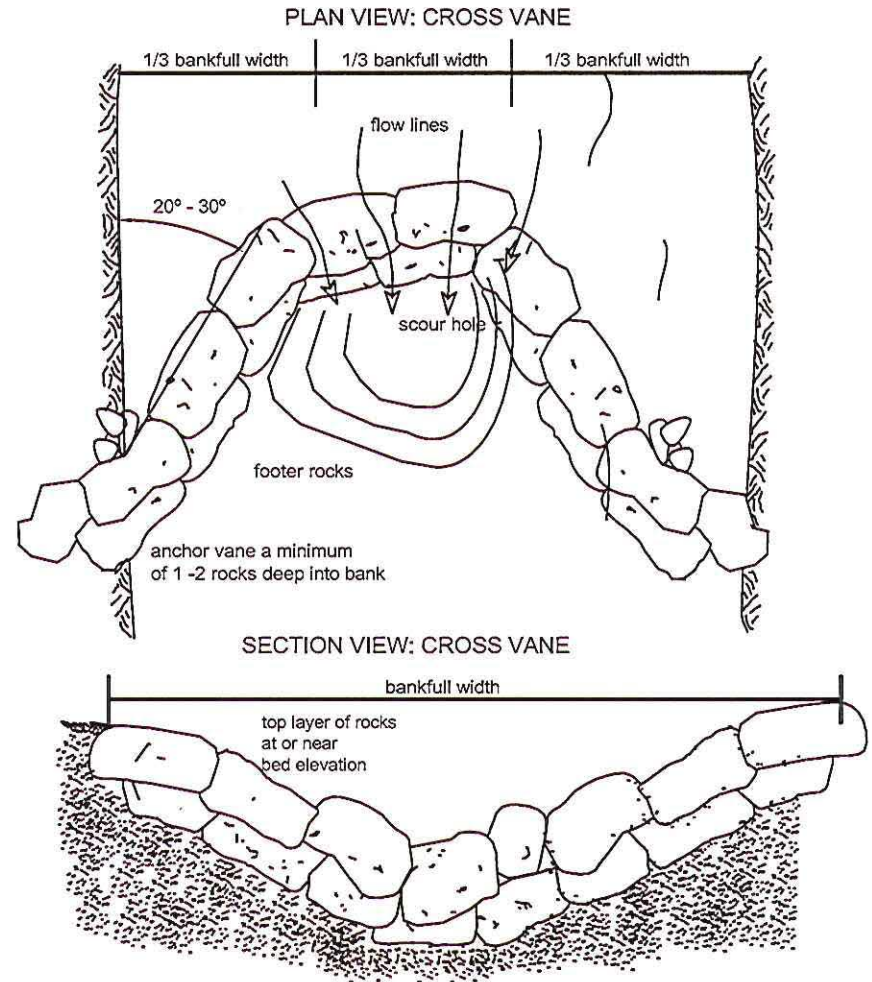
SHEET NO.

2

DETAIL - CROSS VANE



Section & Plan Views Adapted from Rosgen (1999)



GRAPHIC SCALE

1 inch = nts feet

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Greenville, SC 29608
Phone: (804) 271-2040
Fax: (804) 235-0299

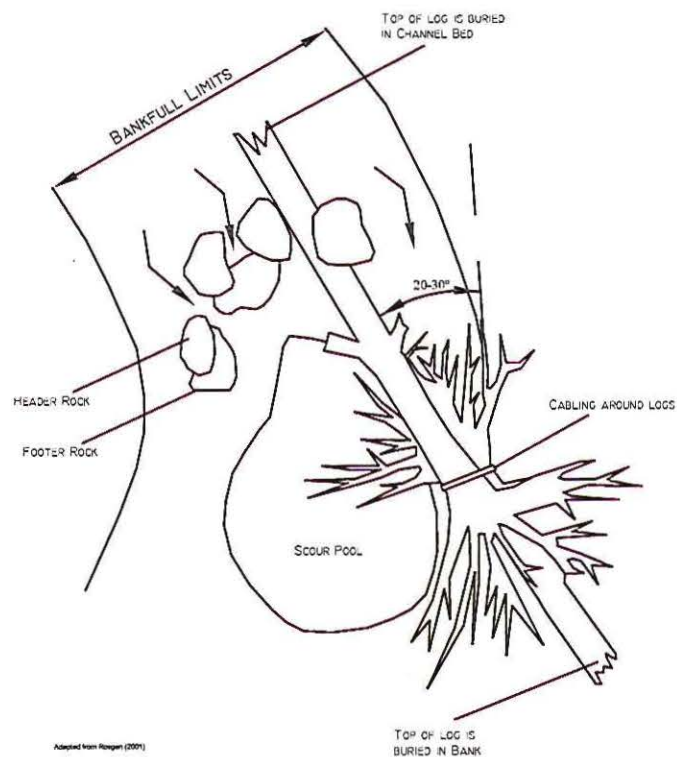
DRAWN BY: LHB
DATE: 15 July 2016
EPC PROJECT NO.: 1316

CROSS VANE DETAIL
OLYMPIA PARK STREAM RESTORATION
KROGER
RICHLAND COUNTY

SHEET NO.

3

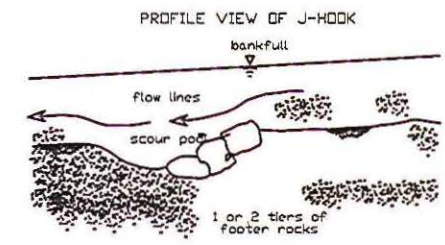
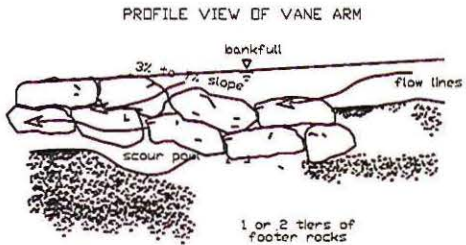
Log Vane / J-Hook Combination



Adapted from Roegen (2001)

DETAIL 3.4(b): J-HOOK VANES

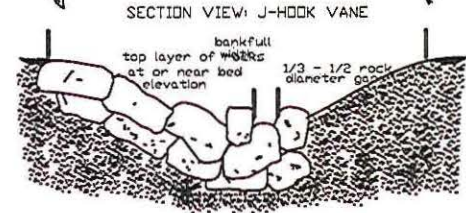
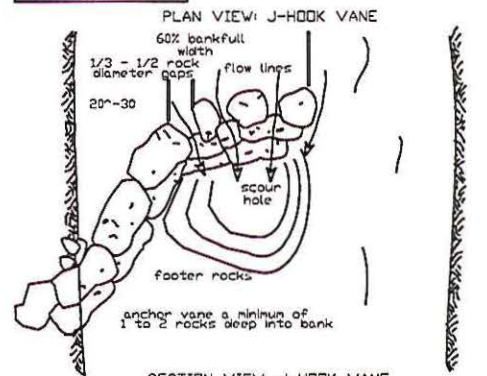
Section & Plan Views Adapted From Roegen (1999)



REVISED NOVEMBER 2008
PAGE 34 - 4

DETAIL 3.4(a): J-HOOK VANES

Section & Plan Views Adapted From Roegen (1999)



REVISED NOVEMBER 2008
PAGE 34 - 3



GRAPHIC SCALE

1 inch = nts feet

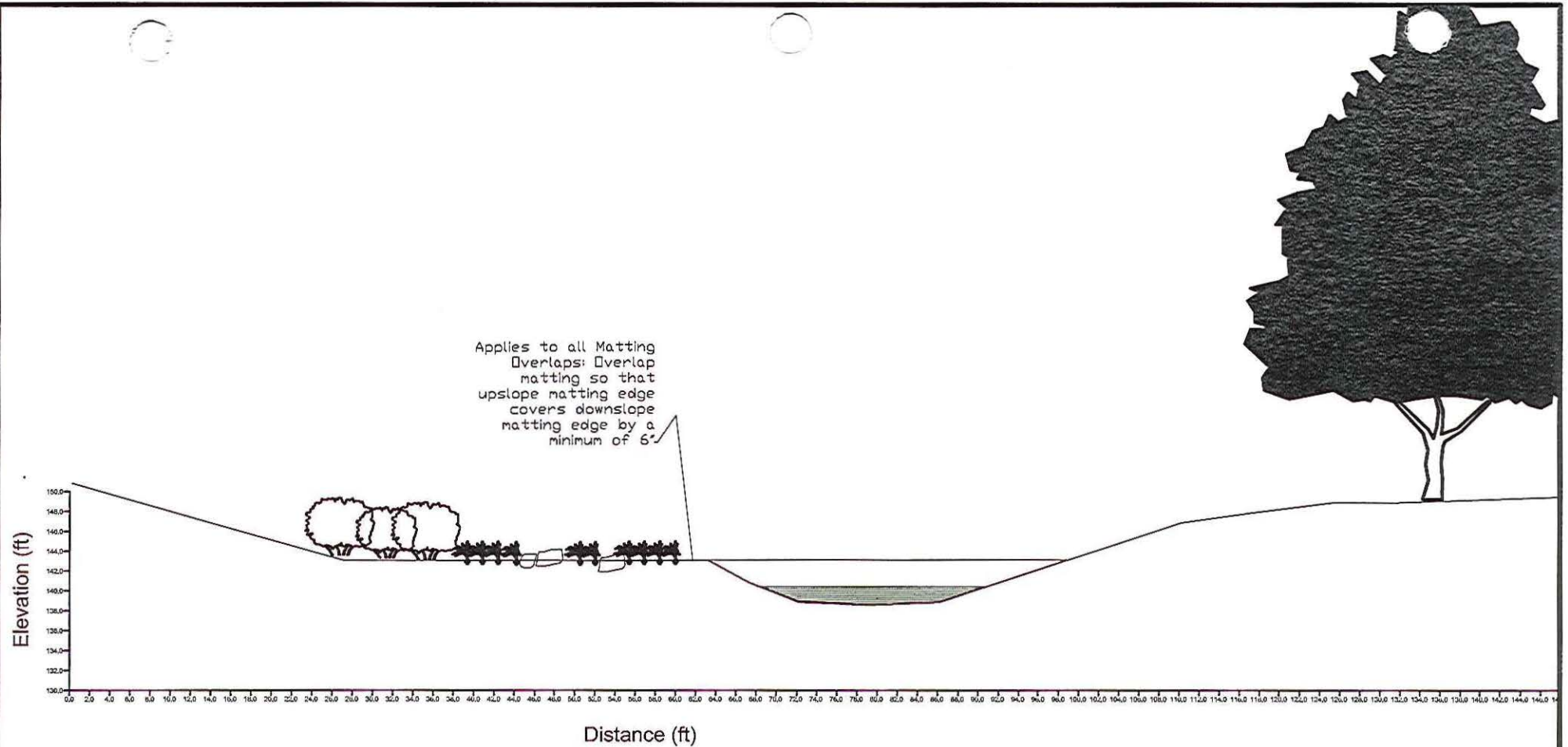
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Greenville, SC 29608
Phone: (864) 271-3040
Fax: (864) 235-9200

DRAWN BY: LHB
DATE: 15 July 2016
EPC PROJECT NO.: 1316

J-HOOK DETAIL
OLYMPIA PARK STREAM RESTORATION
KROGER
RICHLAND COUNTY

SHEET NO.

4



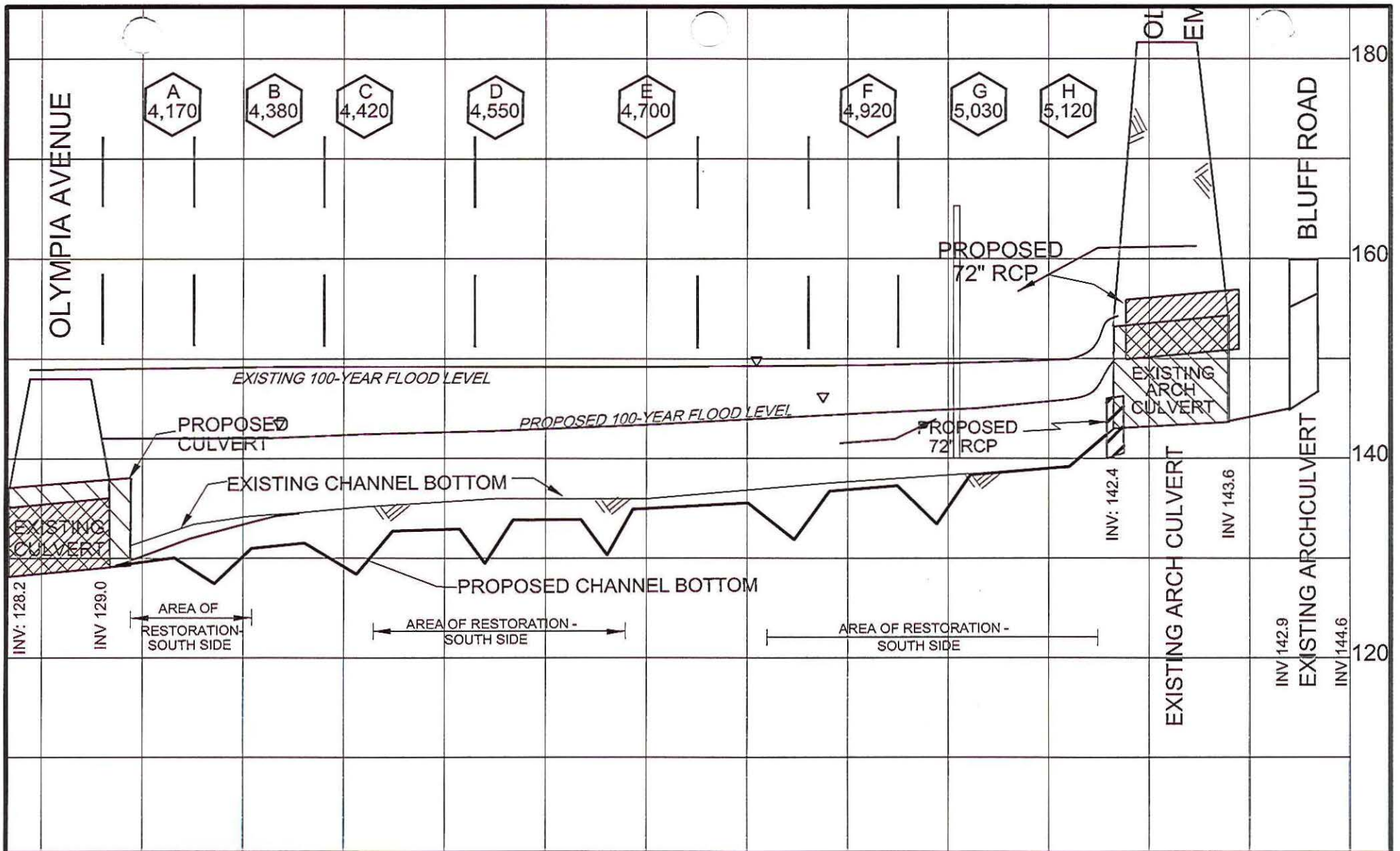
Post Office Box 3744
 Greenville, SC 29608
 Phone: (804) 271-3040
 Fax: (804) 235-9299

DRAWN BY:	LHB
DATE:	15 July 2016
EPC PROJECT NO.:	1316

CROSS SECTION TYPICAL
 OLYMPIA PARK STREAM RESTORATION
 KROGER
 RICHLAND COUNTY

SHEET NO.

5



GRAPHIC SCALE

1 inch = nts feet

Post Office Box 3744
 Greenville, SC 29608
 Phone: (864) 271-3040
 Fax: (864) 235-0290

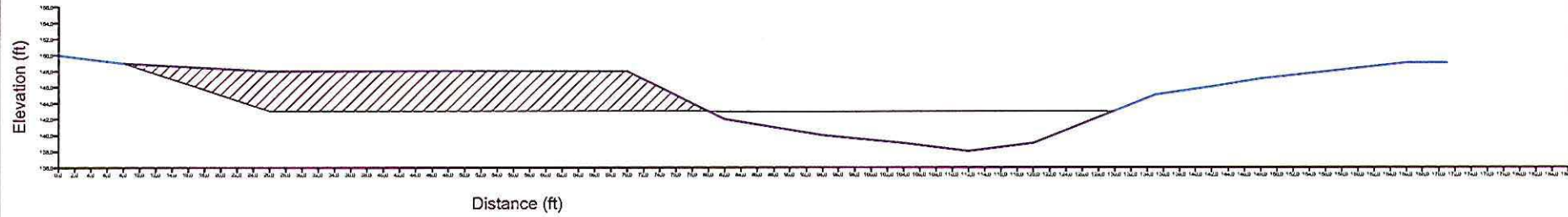
DRAWN BY:	LHB
DATE:	15 July 2016
EPC PROJECT NO.:	1316

PROFILE
 OLYMPIA PARK STREAM RESTORATION
 KROGER
 RICHLAND COUNTY

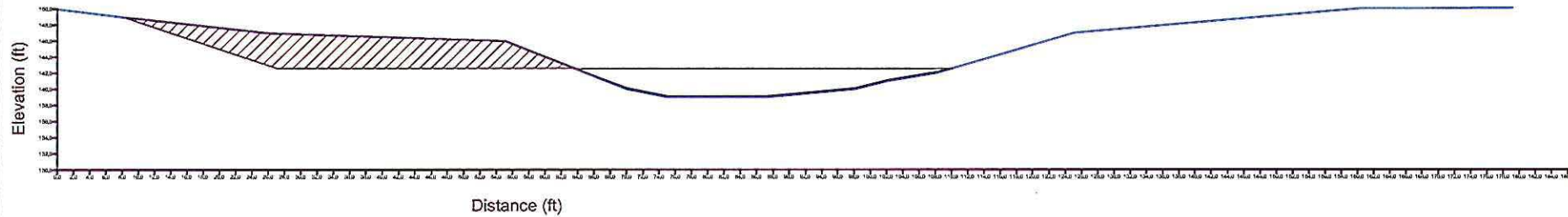
SHEET NO.

6

Cross Section A



Cross Section B



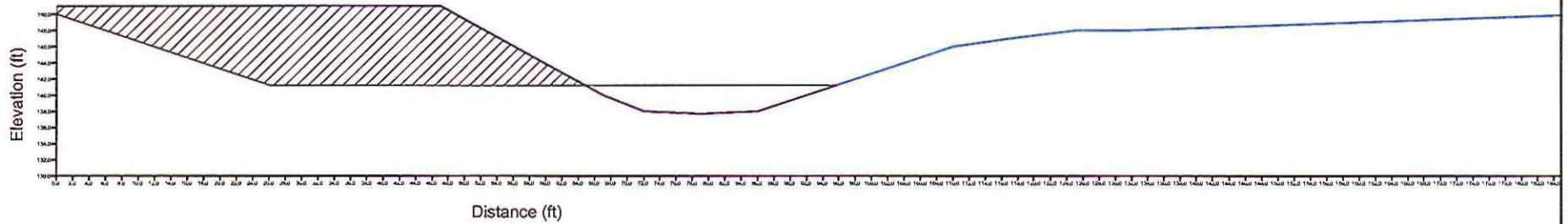
GRAPHIC SCALE
 1 inch = 20 feet

Post Office Box 3744 Greenville, SC 29608 Phone: (864) 271-3040 Fax: (864) 235-0290	DRAWN BY: LHB
	DATE: 2oct2014
	EPC PROJECT NO.: 1316

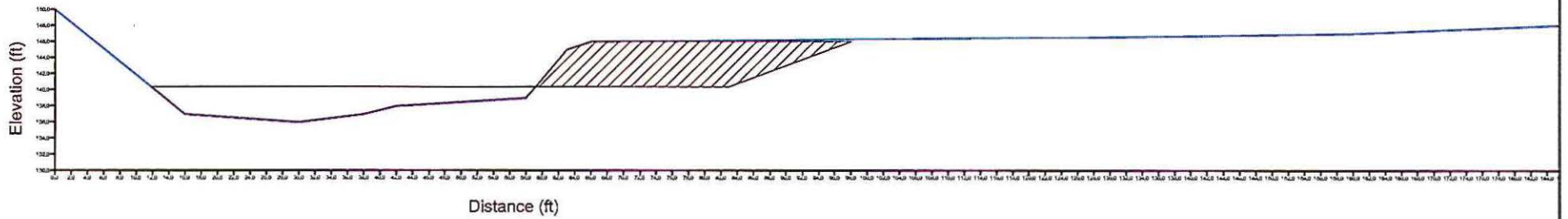
CROSS SECTIONS A & B
 OLYMPIA PARK
 KROGER
 RICHLAND COUNTY

SHEET NO.
7

Cross Section C



Cross Section D



GRAPHIC SCALE

1 inch = 20 feet

Post Office Box 3744
 Greenville, SC 29608
 Phone: (864) 271-3040
 Fax: (864) 235-9299

DRAWN BY:	LHB
DATE:	2oct2014
EPC PROJECT NO.:	1316

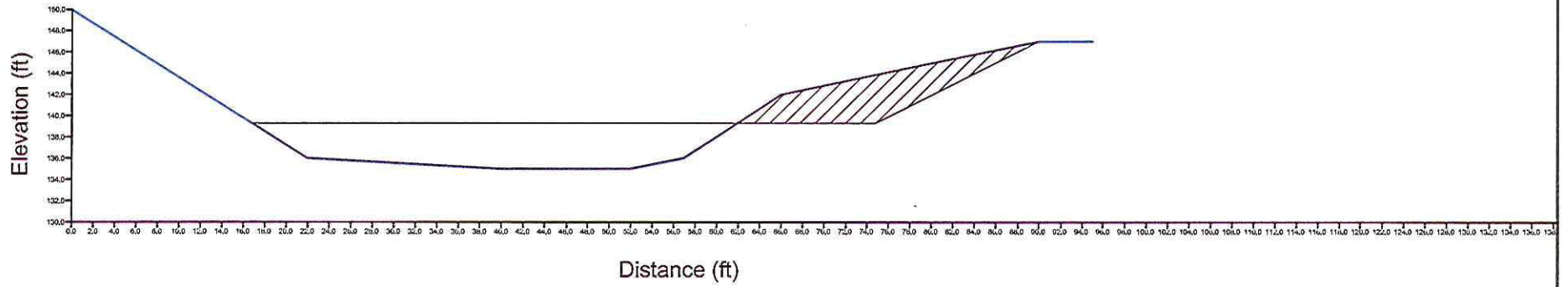
CROSS SECTIONS C & D

OLYMPIA PARK
 KROGER
 RICHLAND COUNTY

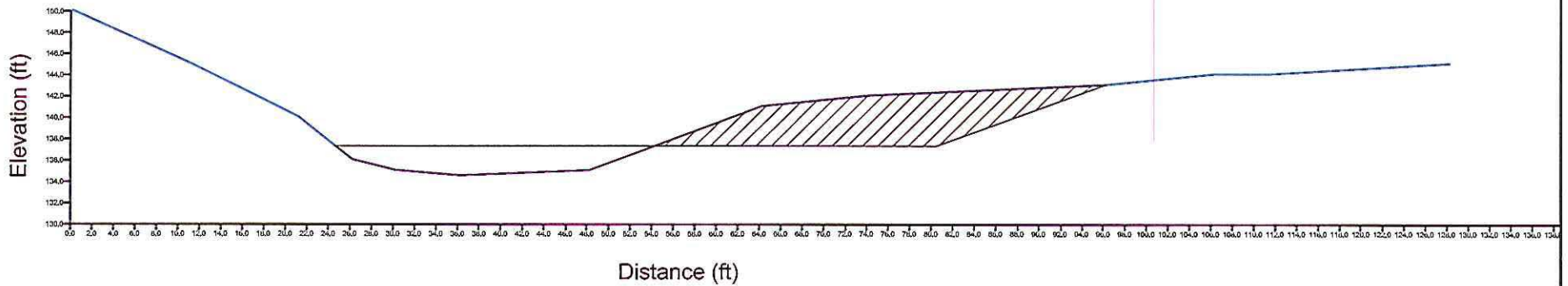
SHEET NO.

8

Cross Section E



Cross Section G



GRAPHIC SCALE

1 inch = 15 feet

Post Office Box 3744
Greenville, SC 29008
Phone: (804) 271-3040
Fax: (804) 235-9290

DRAWN BY:	LHB
DATE:	2oct2014
EPC PROJECT NO.:	1316

CROSS SECTIONS E & G

OLYMPIA PARK
KROGER
RICHLAND COUNTY

SHEET NO.

9