

**JOINT**  
**PUBLIC NOTICE**

**CHARLESTON DISTRICT, CORPS OF ENGINEERS**  
69A Hagood Avenue  
Charleston, South Carolina 29403-5107

and

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

REGULATORY DIVISION

Refer to: P/N # 2009-1127-6F

April 4, 2014

Pursuant to Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1341), an application has been submitted to the Department of the Army and the South Carolina Department of Health and Environmental Control by

**Richland County**  
c/o Joseph Barkevich  
W.K. Dickson & Co., Inc.  
1320 Main St., Suite 400  
Columbia, SC 29201

for a permit to place fill material in

**Devils Ditch and adjacent wetlands**

At a location on Jim Hamilton-LB Owens Airport, between Plowden Road and Shop Road, Richland County, South Carolina. (Latitude 33.967439 N Longitude 80.989092 W)

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.

The proposed work consists of the placement of fill material in Devils Ditch and adjacent wetlands for the extension of a runway. In detail, the work consists of filling 2.46 acres of wetlands, piping 735 linear feet of Devils Ditch, and placing rip-rap in 210 linear feet of Devils Ditch to improve and extend an existing runway at Jim Hamilton-LB Owens Airport. The applicant has provided an Alternatives Analysis. The applicant has provided a Compensatory Mitigation Plan and is proposing a Permittee Responsible Mitigation (PRM) plan. According to the applicant, the required mitigation credits for this project are 18.3 wetland credits and 3,801 stream credits. They also state this PRM will involve the enhancement to 2,190 linear feet of two tributaries, Little Jackson Creek and an Unnamed Tributary of Little Jackson Creek. They are also proposing to restore 0.77 acres of wetlands. There

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will be approximately 10 acres of upland buffer for these waters. The applicant states this activity will provide 4,778 stream credits and 19.2 wetland credits. The Corps has not approved the PRM plan at this time. The PRM Plan and Alternative Analysis are available upon request. According to the applicant, the project purpose is to improve airport safety by allowing aircrafts to rapidly ingress and egress.

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. The District Engineer will not process this application to a conclusion until such certification is received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review. Persons wishing to comment or object to Water Quality Certification must submit all comments in writing to the S.C. Department of Health and Environmental Control at the above address within thirty (30) days of the date of this notice.

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 upstream of estuarine substrates and emergent wetlands utilized by various life stages of species comprising the red drum, shrimp, and snapper-grouper management complexes. Our 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). Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

Pursuant to Section 7(c) of the Endangered Species Act of 1973 (as amended), the District Engineer has consulted the most recently available information and 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.

Pursuant to Section 106 of the National Historic Preservation Act (NHPA), this public notice also constitutes a request to Indian Tribes to notify the District Engineer of any historic properties of religious and cultural significance to them that may be affected by the proposed undertaking.

In accordance with the NHPA, the District Engineer has also consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this worksite is not included as a registered property or property listed as being eligible for inclusion in the Register. To insure that other cultural resources 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 to provide any information it may have with regard to historic and cultural resources.

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 interest and will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency (EPA), under authority of Section 404(b) of the Clean Water Act and, as appropriate, the criteria established under authority of Section 102 of the Marine Protection, Research and Sanctuaries Act of 1972, as amended. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from

REGULATORY DIVISION

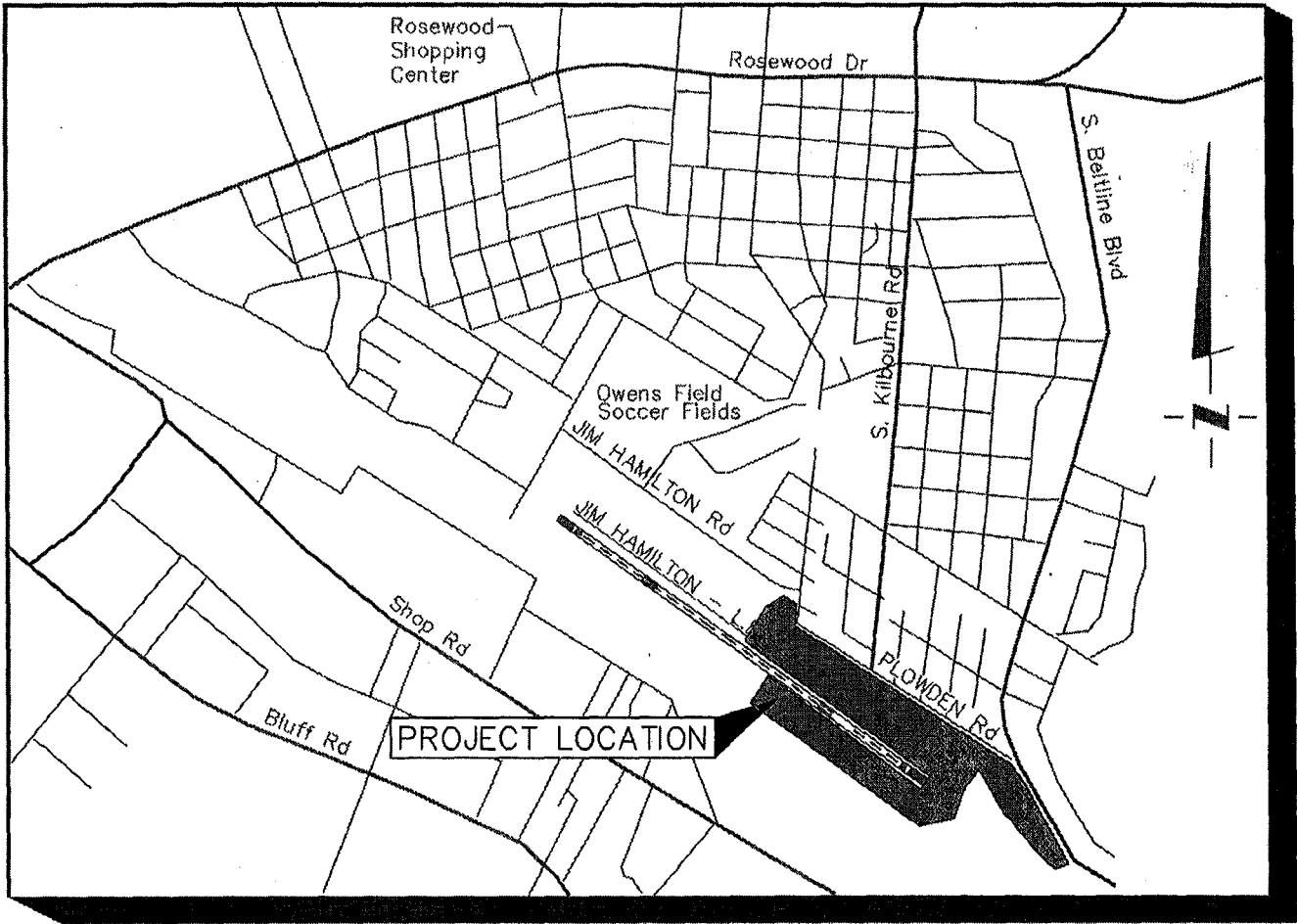
Refer to: P/N # 2009-1127-6F

April 4, 2014

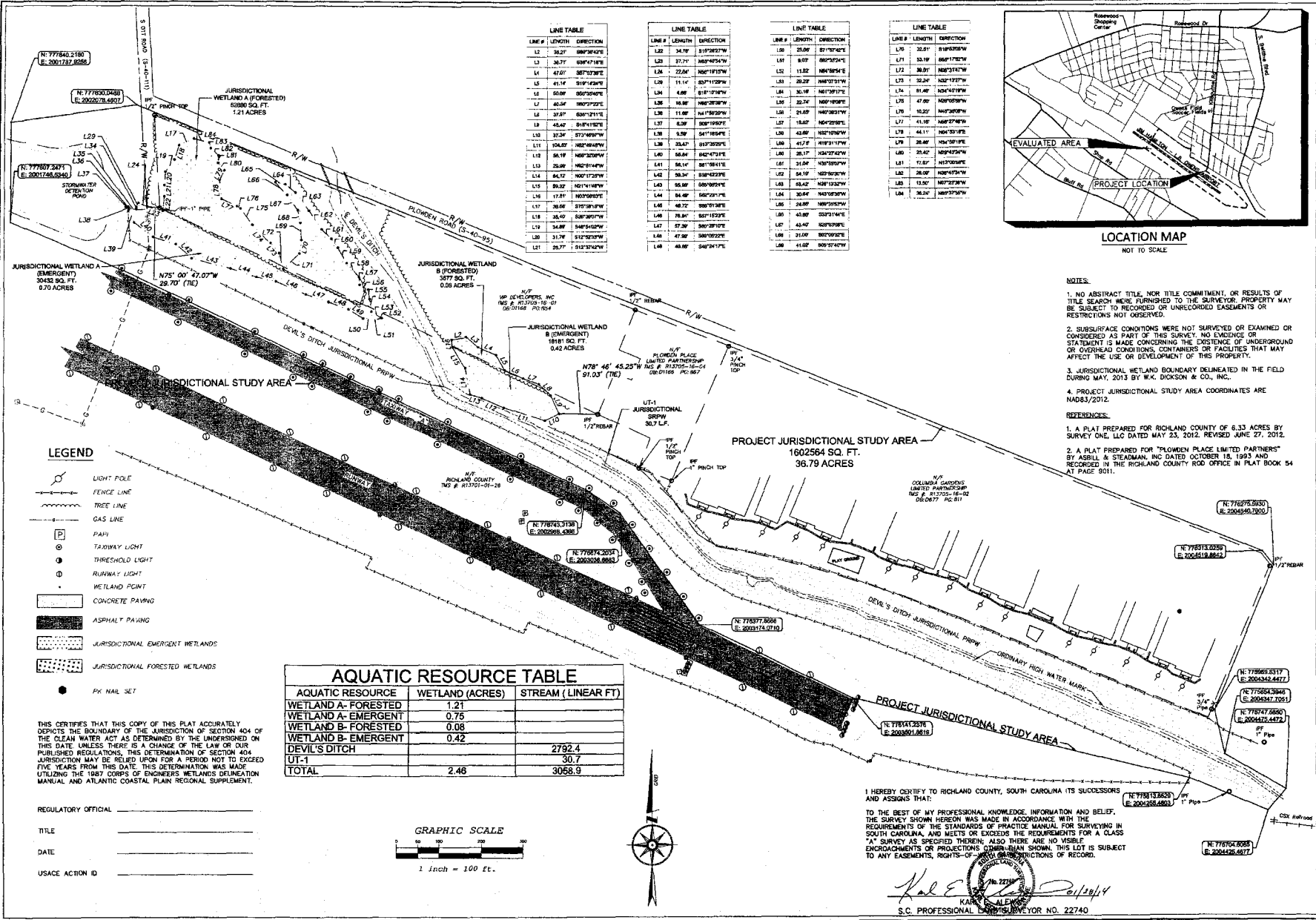
the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, 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 of Engineers cannot undertake to adjudicate rival claims.

The Corps of Engineers 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 of Engineers 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.

If there are any questions concerning this public notice, please contact **Kristin Riegel at 803-253-3903**.



**LOCATION MAP**  
1"=2000'



**LINE TABLE**

LINE #	LENGTH	DIRECTION
L2	30.21	S89°30'42"W
L3	30.21	S89°30'42"W
L4	47.07	S87°07'42"E
L5	41.14	S19°42'36"E
L6	50.00	S65°30'42"E
L7	40.34	N60°32'36"E
L8	45.40	S18°14'36"E
L9	37.87	S30°12'11"E
L10	37.34	S77°46'30"W
L11	104.87	N62°00'00"W
L12	56.19	N67°32'00"W
L13	26.90	N62°04'48"W
L14	64.17	N00°17'32"E
L15	84.32	N61°14'48"W
L16	17.81	N00°00'00"E
L17	38.66	S77°30'18"W
L18	36.40	S40°00'00"W
L19	34.89	S48°54'00"W
L20	31.78	S12°30'30"W
L21	25.77	S12°30'42"W

**LINE TABLE**

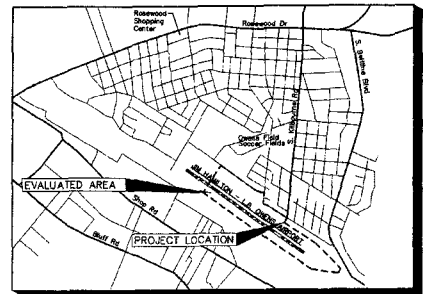
LINE #	LENGTH	DIRECTION
L22	34.78	S107°00'00"W
L23	37.71	N62°04'30"W
L24	22.24	N61°18'00"W
L25	11.14	S21°12'00"W
L26	16.89	N61°30'30"W
L27	11.09	N41°30'30"W
L28	4.30	S21°18'00"E
L29	32.47	S13°30'30"E
L30	56.84	S42°47'30"E
L31	56.14	S81°38'41"E
L32	56.34	S18°42'33"E
L33	55.89	S60°00'00"E
L34	84.49	N67°20'17"E
L35	36.72	S67°00'00"W
L36	78.91	S61°12'30"E
L37	27.30	S60°30'00"E
L38	47.00	S60°00'00"E
L39	48.89	S48°34'17"E

**LINE TABLE**

LINE #	LENGTH	DIRECTION
L40	25.00	S17°04'24"E
L41	8.07	N62°07'24"E
L42	11.82	N64°08'54"E
L43	20.28	N40°07'31"W
L44	30.18	N61°30'17"E
L45	22.74	N60°18'00"E
L46	21.60	N40°00'31"W
L47	16.60	N40°00'00"E
L48	43.80	N62°07'30"W
L49	41.74	N18°11'17"W
L50	26.17	S64°27'42"W
L51	31.04	N63°00'00"W
L52	64.19	N62°00'00"W
L53	16.42	N48°12'30"W
L54	64.00	N40°00'00"W
L55	16.89	N60°00'00"W
L56	43.80	S33°14'45"E
L57	43.40	N60°00'00"W
L58	31.00	N60°00'00"E
L59	41.60	S60°27'40"W

**LINE TABLE**

LINE #	LENGTH	DIRECTION
L70	32.21	S18°00'00"W
L71	33.19	N60°17'00"W
L72	38.01	N63°17'47"W
L73	32.40	N32°17'37"E
L74	41.40	N24°41'00"W
L75	47.00	N60°00'00"W
L76	32.21	N40°00'00"W
L77	41.17	N60°17'00"W
L78	44.11	N60°15'18"E
L79	38.49	N58°10'30"E
L80	25.42	N62°04'24"W
L81	17.87	N12°00'00"E
L82	28.00	N62°07'30"W
L83	13.92	N67°27'30"W
L84	38.30	N67°27'30"W



LOCATION MAP  
NOT TO SCALE

- NOTES:**
1. NO ABSTRACT TITLE, NOR TITLE COMMITMENT, OR RESULTS OF TITLE SEARCH WERE FURNISHED TO THE SURVEYOR. PROPERTY MAY BE SUBJECT TO RECORDS OR UNRECORDED EASEMENTS OR RESTRICTIONS NOT OBSERVED.
  2. SUBSURFACE CONDITIONS WERE NOT SURVEYED OR EXAMINED OR CONSIDERED AS PART OF THIS SURVEY. NO EVIDENCE OF UNDERGROUND OR OVERHEAD CONDITIONS, CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS PROPERTY.
  3. JURISDICTIONAL WETLAND BOUNDARY DELINEATED IN THE FIELD DURING MAY, 2013 BY W.K. DICKSON & CO., INC.
  4. PROJECT JURISDICTIONAL STUDY AREA COORDINATES ARE NAD83/2012.

- REFERENCES:**
1. A PLAT PREPARED FOR RICHLAND COUNTY OF 6.33 ACRES BY SURVEY ONE, LLC DATED MAY 23, 2012, REVISED JUNE 27, 2012.
  2. A PLAT PREPARED FOR "FLORENCE PLACE LIMITED PARTNERS" BY ASBILL & STEADMAN, INC DATED OCTOBER 18, 1993 AND RECORDED IN THE RICHLAND COUNTY ROD OFFICE IN PLAT BOOK 54 AT PAGE 9011.

**LEGEND**

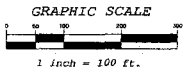
- LIGHT POLE
- FENCE LINE
- TREE LINE
- GAS LINE
- PATH
- TURNWAY LIGHT
- THRESHOLD LIGHT
- RUNWAY LIGHT
- WETLAND POINT
- CONCRETE PAVING
- ASPHALT PAVING
- JURISDICTIONAL EMERGENT WETLANDS
- JURISDICTIONAL FORESTED WETLANDS
- PIN NAIL SET

THIS CERTIFIES THAT THIS COPY OF THIS PLAT ACCURATELY DEPICTS THE BOUNDARY OF THE JURISDICTION OF SECTION 404 OF THE CLEAN WATER ACT AS DETERMINED BY THE UNDERGROUND ON THIS DATE UNLESS THERE IS A CHANGE OF THE LAW OR OUR PUBLISHED REGULATIONS. THIS DETERMINATION OF SECTION 404 JURISDICTION MAY BE RELIED UPON FOR A PERIOD NOT TO EXCEED FIVE YEARS FROM THIS DATE. THIS DETERMINATION WAS MADE UTILIZING THE 1987 CORPUS OF ENGINEERS WETLANDS DELINEATION MANUAL AND ATLANTIC COASTAL PLAIN REGIONAL SUPPLEMENT.

REGULATORY OFFICIAL \_\_\_\_\_  
TITLE \_\_\_\_\_  
DATE \_\_\_\_\_  
USACE ACTION ID \_\_\_\_\_

**AQUATIC RESOURCE TABLE**

AQUATIC RESOURCE	WETLAND (ACRES)	STREAM (LINEAR FT)
WETLAND A- FORESTED	1.21	
WETLAND A- EMERGENT	0.76	
WETLAND B- FORESTED	0.08	
WETLAND B- EMERGENT	0.42	
DEVIL'S DITCH		2792.4
UT-1		30.7
<b>TOTAL</b>	<b>2.46</b>	<b>3068.9</b>



I HEREBY CERTIFY TO RICHLAND COUNTY, SOUTH CAROLINA ITS SUCCESSORS AND ASSIGNS THAT:  
TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN; ALSO THERE ARE NO VISIBLE ENCROACHMENTS OR PROJECTIONS OTHER THAN SHOWN. THIS LOT IS SUBJECT TO ANY EASEMENTS, RIGHTS-OF-WAY, OR RESTRICTIONS OF RECORD.

*Karl E. Dickson*  
KARL E. DICKSON  
S.C. PROFESSIONAL SURVEYOR NO. 22740

**W.K. DICKSON**  
community infrastructure consultants  
Topographic • Wetland/Resource  
Urban Development • Geomatics  
1500 Main St, Suite 400  
Columbia, South Carolina  
29201  
(803) 795-4200  
(803) 796-4263  
www.wkdickson.com

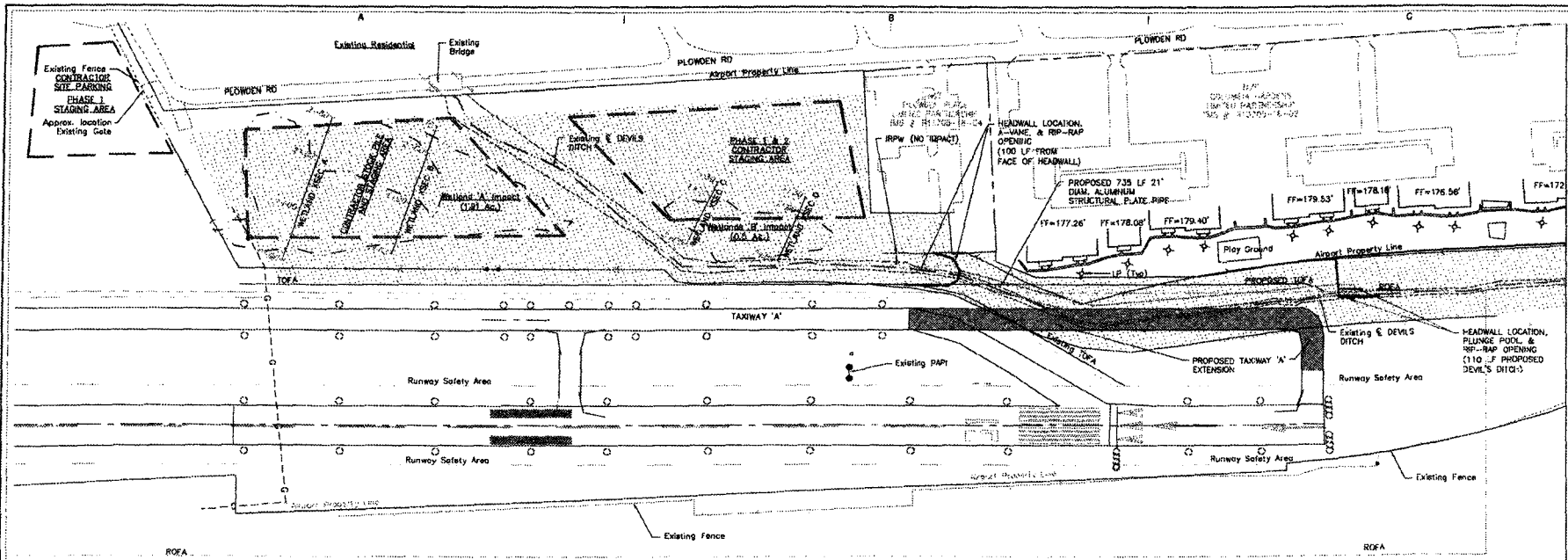


**REVISIONS**

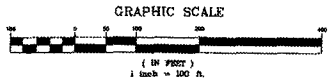
NO.	DATE	DESCRIPTION
1	01/09/14	ISSUED PER LICENSE EXAM DATED 01/09/14
2	01/27/14	REVISION PER LICENSE EXAM DATED 01/27/14

PROJECT NAME:  
**PLAT PREPARED FOR  
RICHLAND COUNTY, SOUTH CAROLINA  
OWENS FIELD TOWNSHIP "A" EXTENSION  
CITY OF COLUMBIA, RICHLAND COUNTY, SC**  
DRAWING TITLE:  
**WETLANDS BOUNDARY**

DESIGNER BY: *KED*  
PROJECT DATE: 7/23/2013  
DRAWING NUMBER:  
**1**  
PROJ. NO.:  
20120182.00.CA

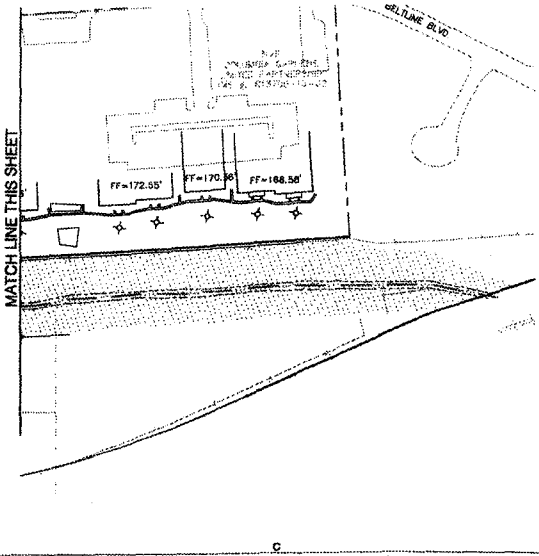
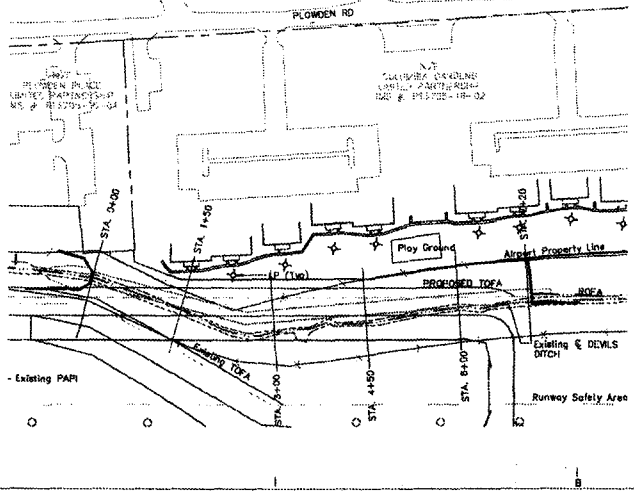


ALL TREES AND BRUSH TO  
BE REMOVED TO THE  
GROUND AND MAINTAINED



IMPACT SUMMARY

LOCATION	TYPE	AMOUNT
WETLAND A	PERMANENT	1.91 AC
WETLAND B	PERMANENT	0.5 AC
DEVILS DITCH	PERMANENT	735 LF
DEVILS DITCH	TEMPORARY	210 LF
IRPW	NO IMPACT	17 LF



DRAWING STATUS - PRELIMINARY - FOR REVIEW ONLY

**WK DICKSON**  
CORPORATE HEADQUARTERS CONSULTANTS  
Transportation • Water Resources  
Urban Development • Geotechnical  
1550 South Street, Suite 400  
Columbia, SC 29201  
803.768.4881 (F)  
803.768.4882 (C)  
www.wkd.com

PROFESSIONAL SEAL  
No. 27819  
STATE OF SOUTH CAROLINA  
JIM HAMILTON  
P.L.L.C.

PROFESSIONAL SEAL  
REV. RECORDS:  
BY DATE DESCRIPTION

PROJECT NAME:  
**TAXIWAY 'A'  
GRADING &  
EXTENSION**

OWNER OR CLIENT:  
**JIM HAMILTON  
- L.B. OWENS  
AIRPORT (CUB)**

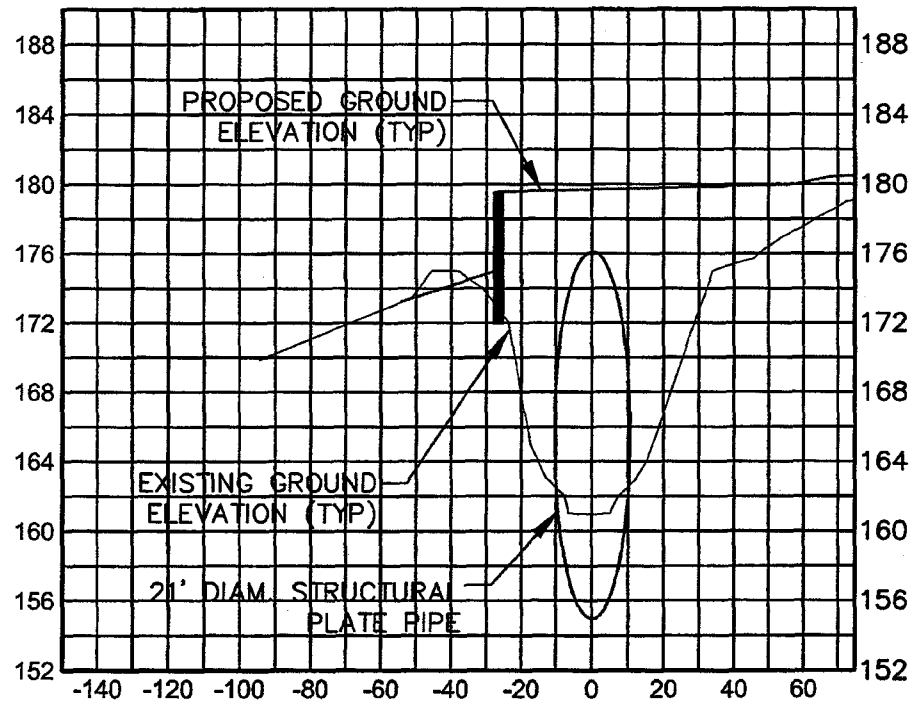
PLAN KEY:

DRAWING TITLE:  
**EXHIBIT**

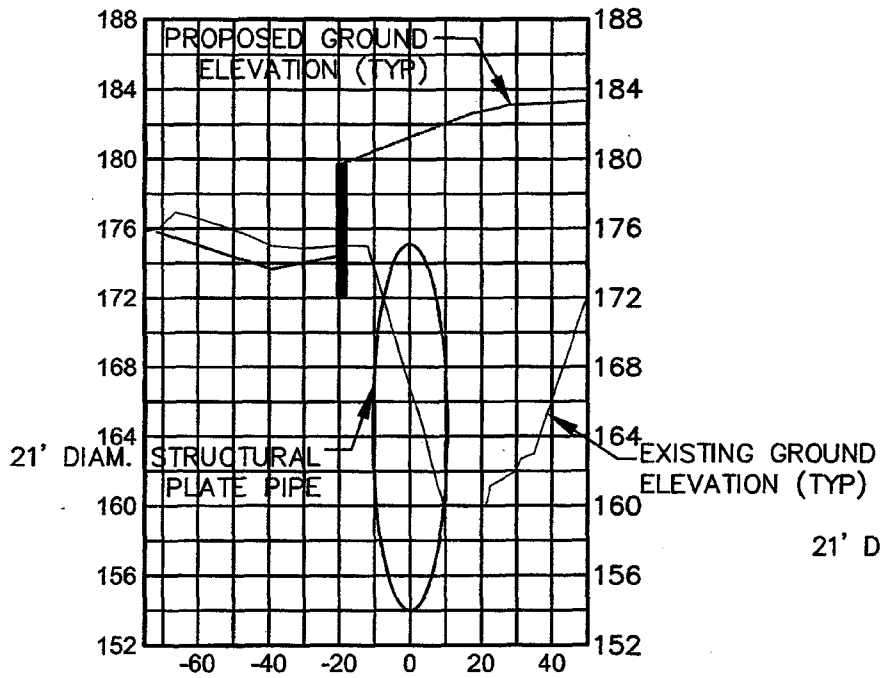
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**C1**

PLOT DATE: 4/8/2014

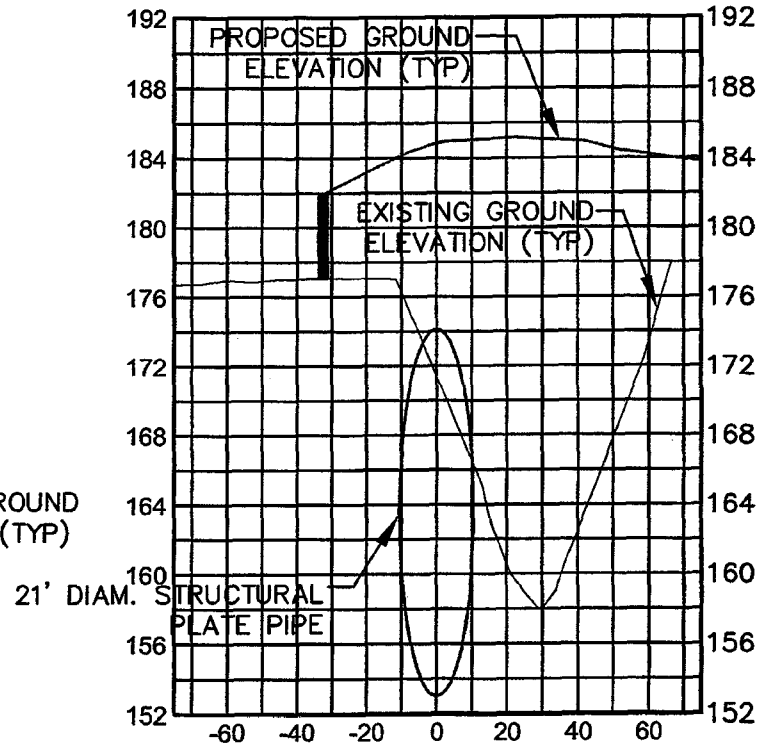
0+00



1+50

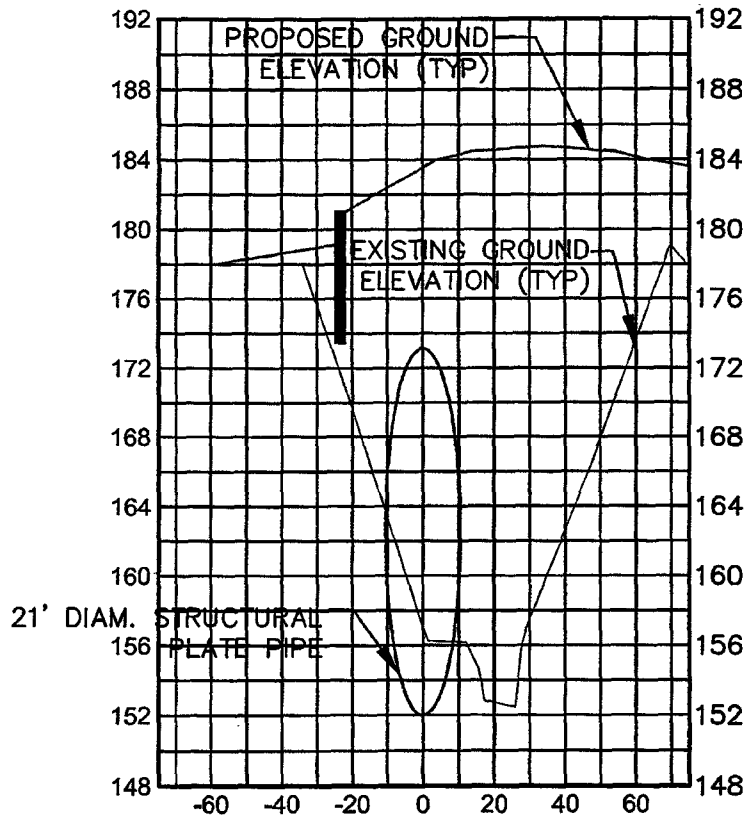


3+00

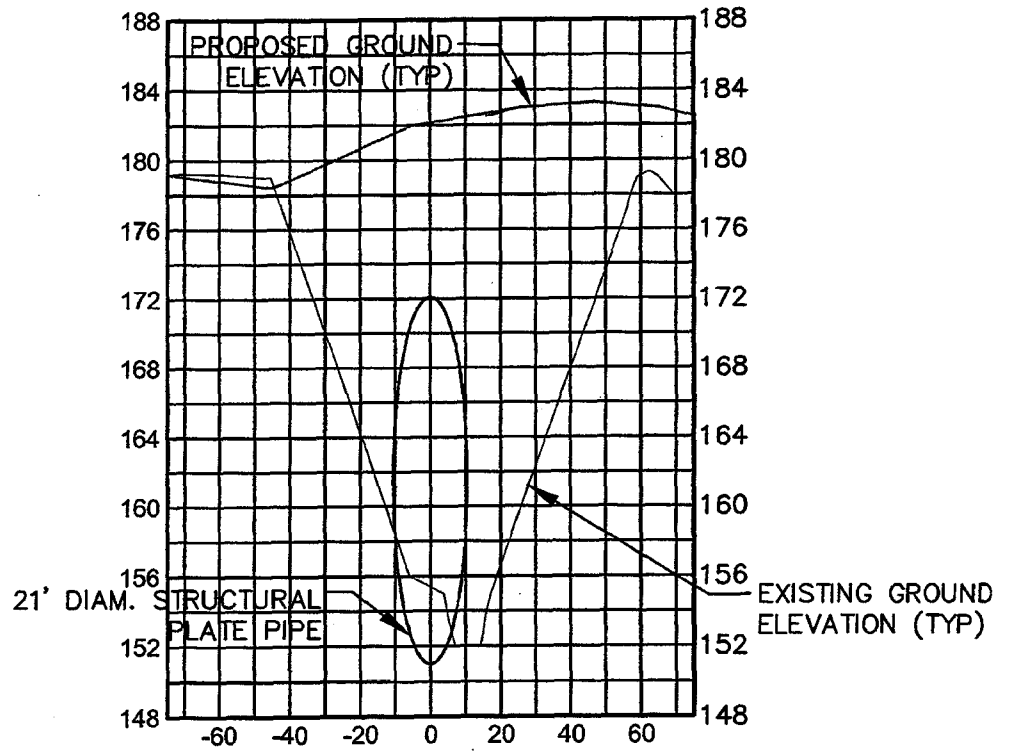




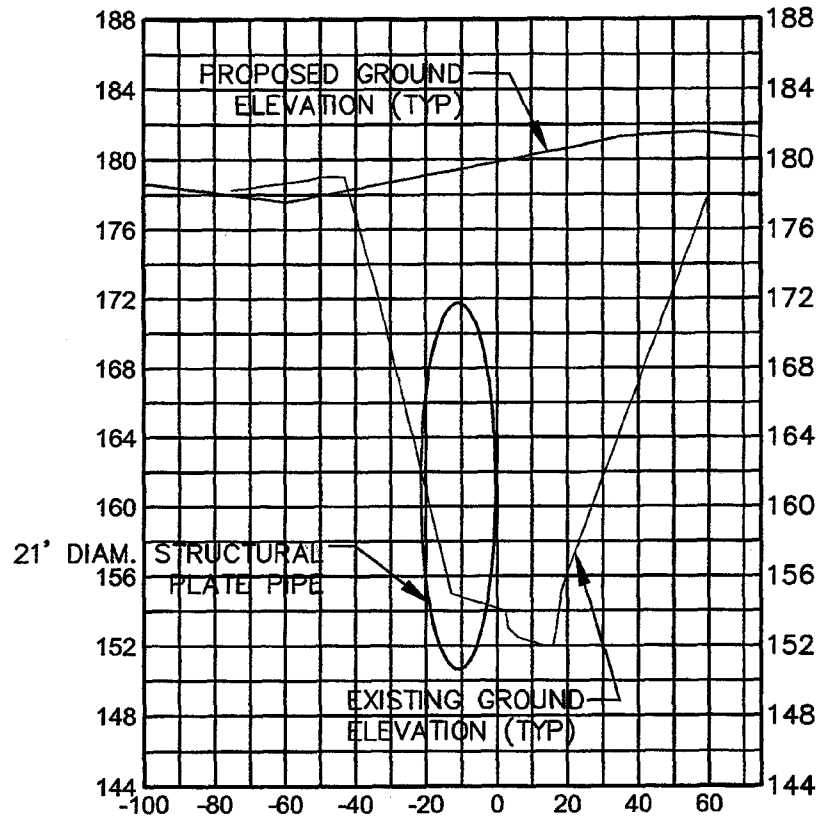
# 4+50

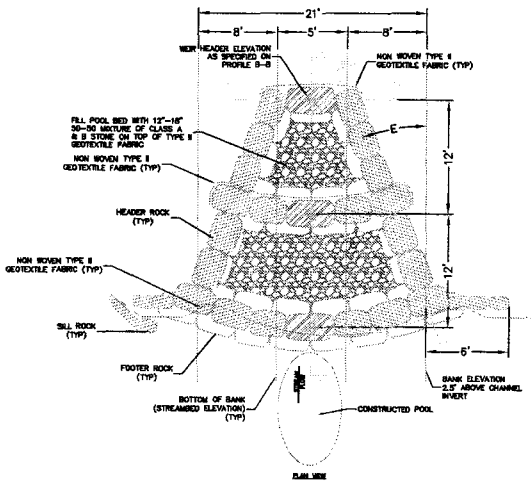


# 6+00



7+20



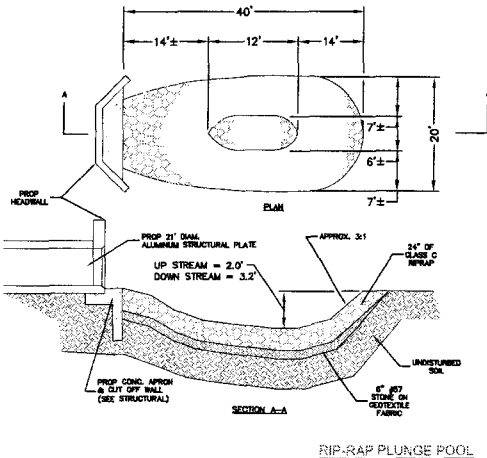


**CONSTRUCTION NOTES**

1. DO A TRENCH BELOW THE BED FOR FOOTER ROCKS AND PLACE FILL ON UPSTREAM SIDE OF DROP STRUCTURE APRON, BETWEEN THE APRON AND STREAM BANK.
2. INSTALL GEOTEXTILE FABRIC THE FULL LENGTH OF THE STRUCTURE STARTING AT THE UPSTREAM END, AND THEN DOWNSTREAM PAST THE LAST DROP STRUCTURE POOL TO A MINIMUM OF THREE FEET.
3. PLACE FOOTER ROCKS FIRST AND THEN HEADER (TOP) ROCK. FOOTER ROCKS SHALL BE FIRMLY KEYED INTO THE STREAMBED. TOP OF HEADER (TOP) ROCKS SHALL BE PLACED 0.5' ABOVE PROPOSED STREAM BED ELEVATION WITH THE NEW HEADER ROCK PLACED AT PROPOSED STREAMBED ELEVATION.
4. CONTINUE WITH STRUCTURE, FOLLOWING ANGLE AND SLOPE SPECIFICATIONS.
5. ROCKS SHALL BE PLACED IN A LINEAR FASHION, AND SHALL BE PLACED WITH TIGHT, CONTINUOUS SURFACE CONTACT BETWEEN ADJOINING ROCKS. ROCK SHALL BE PLACED SO AS TO HAVE NO SIGNIFICANT GAP (NO MORE THAN 2 INCHES BETWEEN ADJOINING ROCKS). A COMPLETED ROCK VANE APRON HAS A SMOOTH, CONTINUOUS FLOW GRADE REMAINING IN AN UPSTREAM DIRECTION FROM THE BANKFULL ELEVATION TO THE STREAMBED.
6. KEY SILL ROCKS INTO THE BANK A MINIMUM OF 5'.
7. USE COBBLE SUBSTRATE MATERIAL EXCAVATED FROM CHANNEL, BED TO FILL GAPS BETWEEN AND ON THE UPSTREAM SIDE OF ROCKS AND TO LINE POOL BEDS. IF ADEQUATE SUBSTRATE MATERIAL IS NOT AVAILABLE, USE A 50/50 MIXTURE OF CLASS A AND CLASS B STONE, SEALING WEIR ROCK(S) IS CRITICAL TO SUCCESS OF STRUCTURE.
8. AFTER ALL HEADER AND FOOTER ROCKS HAVE BEEN PLACED, FILL IN THE UPSTREAM SIDE OF THE STRUCTURE WITH SUBSTRATE MATERIAL TO THE ELEVATION OF THE TOP OF THE HEADER ROCK.
9. AFTER INSTALLATION OF ALL ROCK IS COMPLETE, CONTRACTOR SHALL RESHAPE THE BANK SLOPES AND STREAM BED TO THE SPECIFIED ELEVATIONS. ALL UNSUITABLE AND SURPLUS ROCK WILL BE REMOVED FROM THE SITE.
10. UPON COMPLETION OF THE ROCK VANE, THE CONTRACTOR SHALL PLANT STABILIZING VEGETATION AS SHOWN IN THE PLANTING PLAN.

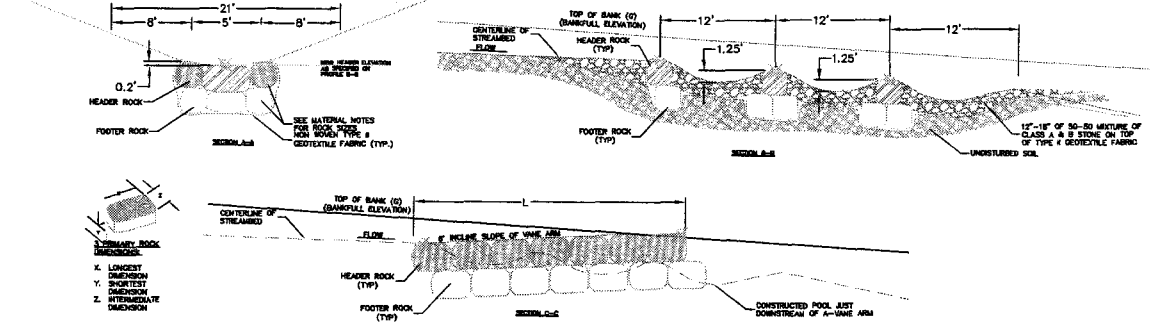
**MATERIAL NOTES**

1. ROCKS MUST HAVE AN INTERMEDIATE DIAMETER (D) OF AT LEAST 24" FOR HEADERS AND 24-30" FOR FOOTERS. SILL ROCKS SHALL HAVE AN INTERMEDIATE DIAMETER OF AT LEAST 18". ALL ROCKS SHALL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.
2. WIDTH OF HEADER AND FOOTER ROCKS (W) MUST BE AT LEAST 30" DEPTH OF HEADER AND FOOTER ROCKS (D) MUST BE AT LEAST 24". WIDTH AND DEPTH OF SILL ROCKS MUST BE AT LEAST 30-12".
3. ROCKS SHALL BE COMPOSED OF ANGULAR, FLAT OR CURBED ROCK OBTAINED FROM A SOURCE THAT IS APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
4. ROCK SHALL BE OF SUFFICIENT HARDNESS TO RESIST WEATHERING AND SHALL BE FREE OF CRACKS AND OTHER STRUCTURAL FAULTS. IN NO INSTANCE SHALL CONCRETE BE ALLOWED.
5. GEOTEXTILE FABRIC SHALL MEET SPECIFICATIONS FOR TYPE 2 NONWOT GEOTEXTILE FABRIC ACCORDING TO NONWOT STANDARD SPECIFICATION 1042-2.



**CONSTRUCTION NOTES**

1. DO A TRENCH 30\"/>

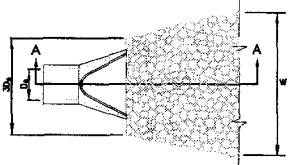


**MODIFIED ROCK A-VANE**  
NOT TO SCALE

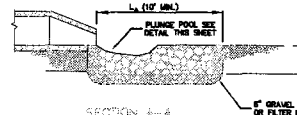
**NOTES:**

1. L IS LENGTH OF RIPRAP APRON.
2. THE DOWNSTREAM WIDTH (W) OF THE APRON IS EQUAL TO D+1.5 (MINIMUM TABULATED).
3. A FILTER BLANKET OR FILTER FABRIC SHALL BE INSTALLED.
4. IN A WELL DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF ABOVE MAXIMUM TALLWATER DEPTH OR TO TOP OF BANK, WHICHEVER IS LESS.
5. DIMENSIONS AS REQUIRED BY ENGINEER, OR AS TABULATED BELOW.
6. T<sub>0</sub> = 1.5 x MAX. STONE DIA.; MAX. STONE DIA. = 1.5 X (d<sub>50</sub>).

STRUCTURE OF LINE	LOCATION	D-FLOW (CFS)	DIAMETER OF PIPE (FT)	OUTLET VELOCITY (FPS)	APRON LENGTH (FT)	APRON WIDTH (FT)	APRON THICKNESS TO DIA.	APRON THICKNESS TO DIA.	APRON THICKNESS TO DIA.	RIP-RAP CLASS	REMARKS	WEIGHT OF STONE (TONS)
PAGE 1	D/S OF 24\"/>											
PAGE 2	U/S OF 24\"/>											



**PLAN VIEW**



**SECTION A-A**

**RIP-RAP PAD DETAIL**  
NOT TO SCALE

**DICKSON**  
CORPORATE PROFESSIONAL CONSULTANTS  
Transportation - Water Resources  
Urban Development - Geotechnics  
1320 Main Street, Suite 400  
Charlotte, NC 28201  
803.786.4783 (F)  
803.786.4900 (R)  
www.dickson.com

**SOUTH CAROLINA**  
REGISTERED PROFESSIONAL ENGINEER  
No. 27819  
DATE: 12/15/09

WVD PROJ#: 201301000000  
PROJ. ORIGIN DATE: JAN 2013  
DRAWN BY: GEDIE OWEN

**SOUTH CAROLINA**  
REGISTERED PROFESSIONAL ENGINEER  
No. 27819  
DATE: 12/15/09

PROFESSIONAL SEAL  
REV. RECORD:  
BY: DATE DESCRIPTION

PROJECT NAME:  
**TAXIWAY 'A'  
GRADING &  
EXTENSION**

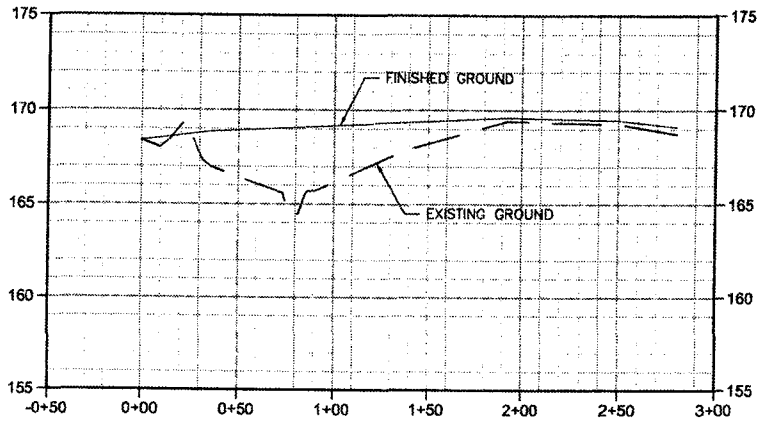
OWNER OR CLIENT:  
**JIM HAMILTON  
- L.B. OWENS  
AIRPORT (CUB)**

PLAN KEY:

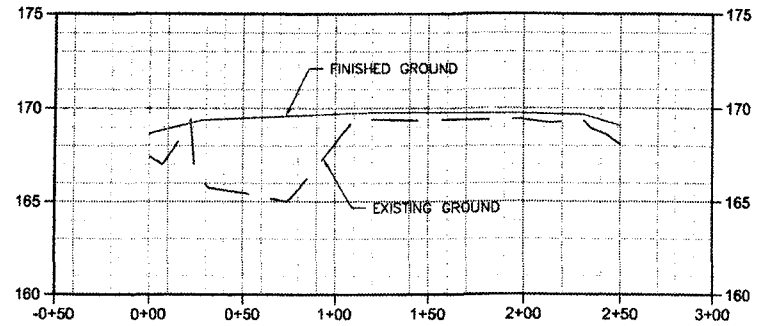
DRAWING TITLE:  
**DETAILS**

DRAWING NUMBER:  
**C2**  
PLOT DATE: 3/13/2014

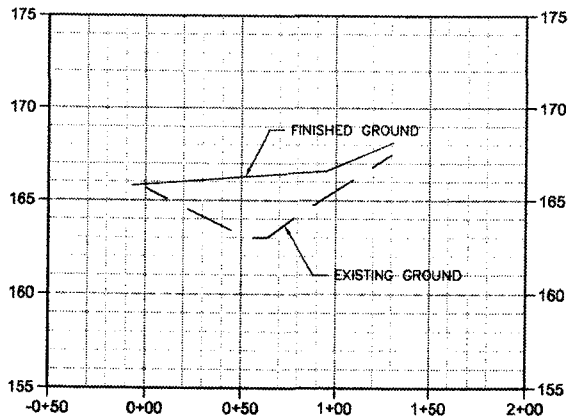
DRAWING STATUS - PRELIMINARY - FOR REVIEW ONLY



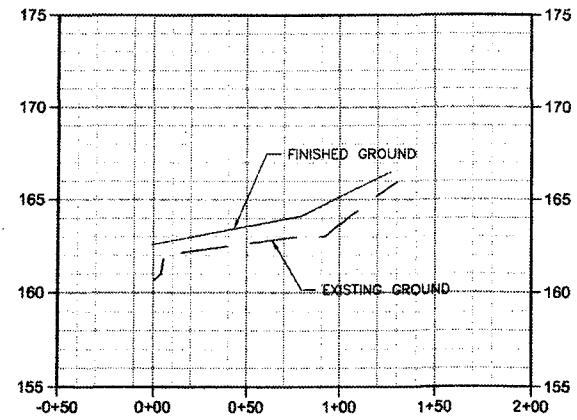
XSEC A



XSEC B



XSEC C



XSEC D

SCALE:  
 1" = 100 HORZ.  
 1" = 10' VERT.

CROSS SECTIONS OF WETLANDS