



*Vanasse Hangen Brustlin, Inc.*

May 1, 2006

Mr. Chuck Schnepel  
U.S. Army Corps of Engineers  
Tampa Regulatory Office  
Post Office Box 19247  
Tampa, Florida 33686

Mr. Jeff Glas  
Florida Department of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Mr. Mike Thompson  
Hillsborough County Environmental Protection Commission  
Administrative Offices, Legal, and Water Management Division  
1900 9<sup>th</sup> Avenue  
Tampa, Florida 33605

**SUBJECT: Mosaic Riverview Plant, Archie Creek As-Built Submittal: EPCHC Executive Director's Authorization for Wetland Impacts, October 200, FLDEP ERP No. 29-01583313-001, USACOE Permit No. 199902004 (IP-JB)**

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Dear Sirs:

Transmitted herewith are partial earthwork as-builts for the Archie Creek relocation referenced in the subject permits. Pursuant to the subject permits, and in accordance with discussions during the November 11, 2005 Restoration Reviewing Agency Meeting at Mosaic's Riverview Plant ([http://www.mosaicco-ilmp.com/pdf/11\\_14\\_05\\_RRA\\_meeting\\_summary.pdf](http://www.mosaicco-ilmp.com/pdf/11_14_05_RRA_meeting_summary.pdf)) we are providing this notice. The attached as-builts are not intended to represent or replace any mitigation completion notification permit requirements.

The attached as-builts illustrate the final grade within the new Archie Creek channel. These elevations are in substantial conformance with those provided in the original permit drawings for this area. Additional cross sections (beyond those provided in the mitigation plan) are included to show continuity. Minor deviations from the attached as-builts, as observed by project biologists, include near-bank depressional areas and minor soil re-work by seasonal flows. These deviations are expected to enhance the ecological function of the system by providing additional habitat structure.

All earthwork relating specifically to the 26.6 acre Archie Creek portion of the subject permit mitigation requirements has been completed, and planting is expected to commence on or about June 1, 2006. Planting is expected to continue for two weeks after commencement, depending on local weather conditions. The planting list below describes the species and quantities scheduled for planting by Florida Natives Nursery, Inc, 1801 Williams Road, Plant City, Florida 33565. All planting will be supervised and inspected by VHB, Inc.

**Table 1. Archie Creek Channel Planting List, with zones keyed to Permit Drawings.**

Plant Species/ Zone		Size	Spacing	Number
<b>Planting Zone C (1.78 ac.)</b>				
Sand cordgrass	<i>Spartina bakeri</i>	2" pot/ bare root	3' O. C.	2,534
Soft rush/ Spikerush	<i>Juncus effusus/ Eleocharis spp.</i>	2" pot/ bare root	3' O. C.	2,534
Arrowhead/ Pickerelweed	<i>Sagittaria spp./ Pontederia cordata</i>	2" pot/ bare root	3' O. C.	3,447
			<b>Subtotal</b>	<b>8,515</b>
<b>Planting Zone E (8.78 ac.)</b>				
<b>Section S-1 - S-1 (2.91 ac)</b>				
Sand cordgrass	<i>Spartina bakeri</i>	2" pot/ bare root	3' O. C.	5,868
Maidencane/ Spikerush	<i>Juncus effusus/ Eleocharis spp.</i>	2" pot/ bare root	3' O. C.	5,869
Arrowhead	<i>Sagittaria spp.</i>	2" pot/ bare root	3' O. C.	2,347
			<b>Subtotal</b>	<b>14,084</b>
<b>Section S-2 - S-2 (3.97 ac)</b>				
Sand cordgrass	<i>Spartina bakeri</i>	2" pot/ bare root	3' O. C.	3,843
Maidencane/ Spikerush	<i>Juncus effusus/ Eleocharis spp.</i>	2" pot/ bare root	3' O. C.	7,686
Arrowhead/ Bulrush/ Pickerelweed	<i>Sagittaria spp./ Scirpus spp./ Pontederia cordata</i>	2" pot/ bare root	3' O. C.	7,686
			<b>Subtotal</b>	<b>19,215</b>
<b>Section S-3 - S-3 (1.90 ac)</b>				
Sand cordgrass	<i>Spartina bakeri</i>	2" pot/ bare root	3' O. C.	1,703
Maidencane/ Spikerush	<i>Juncus effusus/ Eleocharis spp.</i>	2" pot/ bare root	3' O. C.	3,406
Arrowhead/ Bulrush/ Pickerelweed	<i>Sagittaria spp./ Scirpus spp./ Pontederia cordata</i>	2" pot/ bare root	3' O. C.	4,087
			<b>Subtotal</b>	<b>9,196</b>
<b>Planting Zone F (0.95 ac.)</b>				
Saltmarsh cordgrass	<i>Spartina alterniflora</i>	2" pot/ bare root	3' O. C.	2,092
Black rush/ Smooth cordgrass/ Saltgrass	<i>Juncus roemerianus/ Spartina patens/ Distichlis spicata</i>	2" pot/ bare root	3' O. C.	2,506
			<b>Subtotal</b>	<b>4,598</b>
<b>Grand Total</b>				<b>55,608</b>



Mosaic Riverview Plant – Archie Creek As-Built  
May 2, 2006  
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Please note that of the 26.6 acres of required mitigation within the Archie Creek/flowway, the interior of the flow way was not intended to be planted.

Other created mitigation areas associated with this project are approaching final grade. Earthwork as-builts will be forwarded for those areas as available. If you would like to review the site prior to planting, please contact me at (941) 722-6667.

Respectfully provided,

VANASSE HANGEN BRUSTLIN, INC.



Warren Reuschel  
Environmental Scientist

WR:bls

cc w/o attachments: Irish Smith – Mosaic, Land Office  
Jeff Stewart – Mosaic, Riverview  
Steve Johnson, P.E. – Mosaic, Riverview





GREGORY A. PRATHER, P.L.S.  
FLORIDA REGISTRATION No. 5135  
PICKEYT AND ASSOCIATES, INC.  
FLORIDA REGISTRATION No. LB 364

PROJECT No.	No.
14489	1
DRAWING No.	OF
LD 3311	2

- 1) North and the coordinates shown here are referenced to the North Zone of the Florida State Plane Coordinate System NAD 83, 1990 adjustment. National Geodetic Survey control stations "Osborn" & "Gibson AZ MK" were held as control.
- 2) Elevations are to National Geodetic Vertical Datum of 1929 or d are based on N.G.S. bench mark number 1256, deviation is 6.81 feet.
- 3) This survey was prepared for the specific purpose of indicating the cross sections shown on sheets 1 and 2.
- 4) Imagery shown here is Pickett & Associates, Inc. high altitude photography with flight dates of 12/12/05 & 1/4/06.


**ARCHIE CREEK**

**SPECIFIC PURPOSE SURVEY**  
LOCATED IN SECTION 14,  
TOWNSHIP 30 SOUTH, RANGE 19 EAST  
PREPARED FOR: MOSAIC FERTILIZER, LLC.

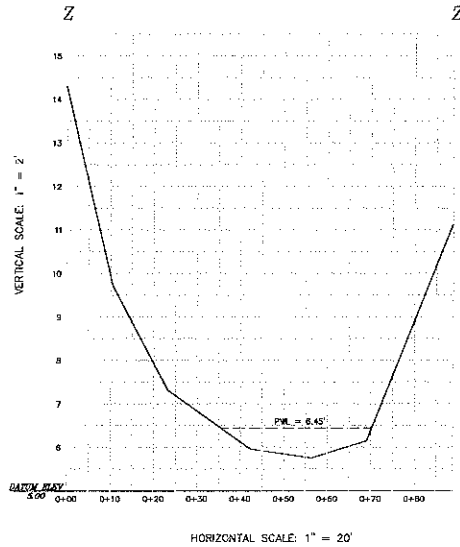
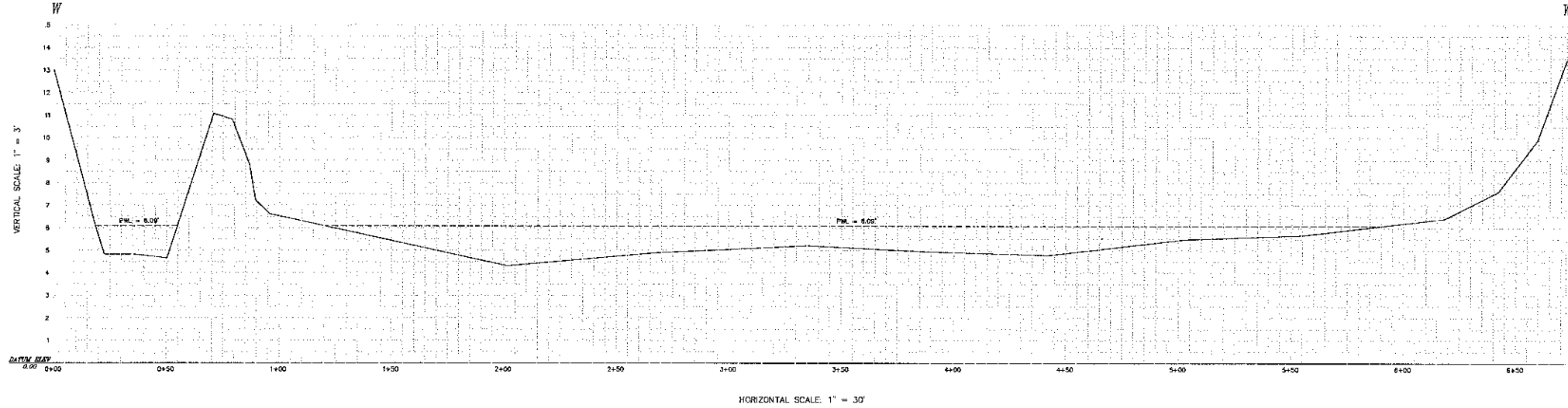
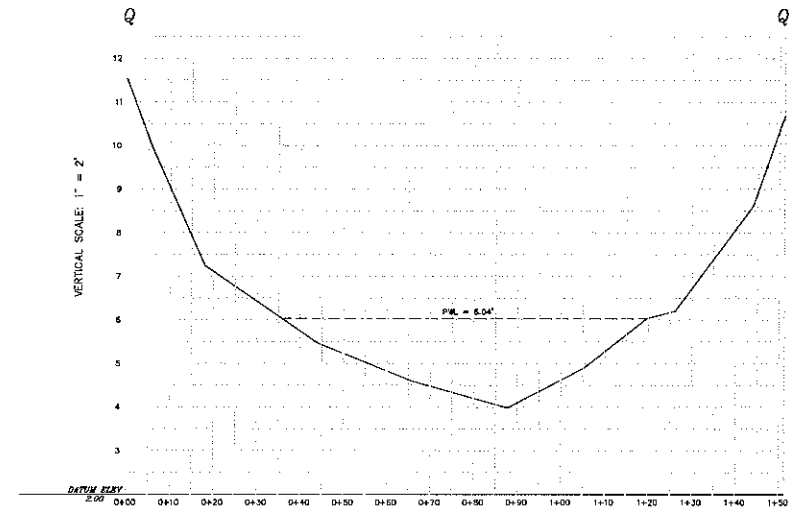
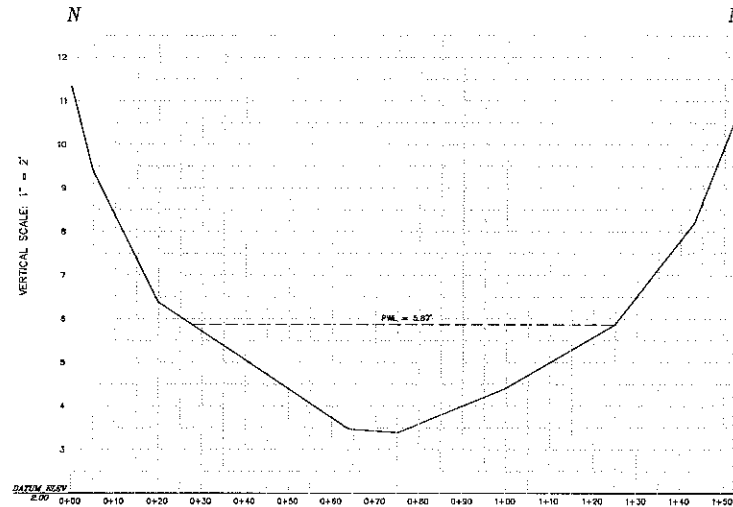
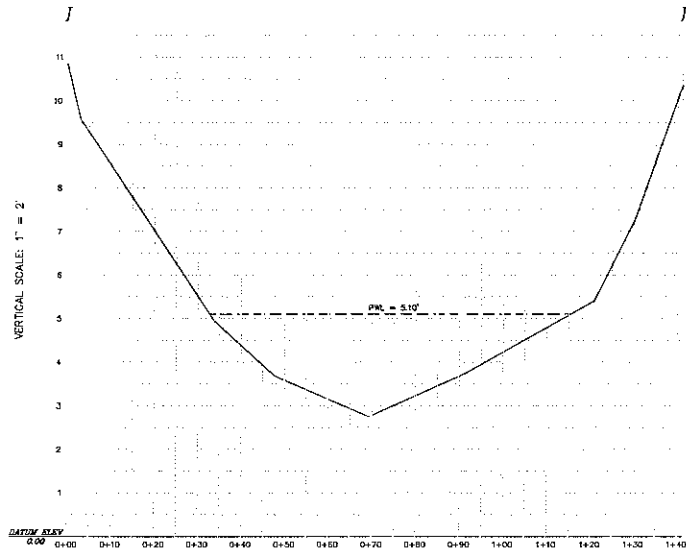

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 WACHULA, FLORIDA 33880  
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**PICKETT**  
 SURVEYING & PHOTOGRAMMETRY

	<b>SURVEYING &amp; PHOTOGAMMETRY</b>			
	PACIFIC ASSOCIATES, INC. LICENSED BUSINESS IN LOUISIANA			
HORIZ. SCALE: VARIES	FIELD BOOK(S): 578	CHECKED BY: GAP	DRAWING NAME: 14489-XS-CROP	
VERT. SCALE: VARIES	PAGE(S): 148-151	DRAWN BY: SAK		

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SEE PAGE 1 OF 2 FOR PLAN VIEW

**SPECIFIC PURPOSE SURVEY**  
**LOCATED IN SECTION 14,**  
**TOWNSHIP 30 SOUTH, RANGE 19 EAST**  
**PREPARED FOR: MOSAIC FERTILIZER, LLC.**

PROJECT No.	14489	No.	2
DRAWING No.	LD 3311	of	2

**PICKETT**  
**SURVEYING & PHOTOGRAMMETRY**  
**PICKETT & ASSOCIATES, INC.**  
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HORIZ. SCALE: VARIES  
 VERT. SCALE: VARIES

FIELD BOOK(S): 578  
 PAGE(S): 148-151

CHECKED BY: GAP  
 DRAWN BY: SAK

DRAWING NAME: 14489-AS-CROP

SEE PAGE 1 OF 2	APPROVED	DATE	NO.	REVISION
FOR SURVEYOR'S	GAP	4/24/06	1	FIRST ISSUE
SIGNATURE, SEAL,				
NOTES, AND				
LEGEND				