



**US Army Corps
of Engineers**

Vicksburg District
4155 Clay Street
Vicksburg, MS 39183-3435
www.mvk.usace.army.mil



Public Notice

APPLICATION NO.:	<u>KWH-MVK-2014-602</u>
EVALUATOR:	<u>Ms. Kristi Hall</u>
PHONE NO.:	<u>(601) 631-7528</u>
FAX NO.:	<u>(601) 631-5459</u>
E-MAIL:	<u>Kristi.W.Hall@usace.army.mil</u>
DATE:	<u>June 26, 2015</u>
EXPIRATION DATE:	<u>July 27, 2015</u>

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Vicksburg District, is considering a proposal to establish the Kelly Bayou Mitigation Bank (KBMB). A prospectus has been received describing the proposed bank from Providence Engineering and Environmental Group, LLC, on behalf of Loneoak Capital Management, LLC, the bank Sponsor. The proposed site is located in Sections 25, 35, and 36, T23N-R15W, Caddo Parish, Louisiana. (enclosure).

Description: The KBMB is being proposed by the bank sponsor as a means to meet the requirements for compensatory mitigation for future and as yet unknown wetland and stream losses which may be permitted by the Corps under the authority of Section 404 of the Clean Water Act.

The proposed bank site is approximately a half mile east of the community of Mira, and 3.8 miles south of Ida, Louisiana. The site is accessed by Mira Scotts Slough Road. The site is currently used for pastureland. KBMB is bordered to the east by the Kelly Bayou Canal (a channelized reach of Kelly Bayou), and to the north, south and west by bottomland hardwoods.

Baseline Conditions / Current Land Use / Proposed Actions:

The property consists of approximately 322.8 acres, with 215.4 acres of emergent wetlands, 5.1 acres of shrub-scrub wetlands, 13.6 acres of bottomland hardwood wetlands and 7.7 acres of other waters of the U.S. (7,649 linear feet). Non-jurisdictional areas include 75.6 acres of uplands, 1.3 acres of existing roads and 4.1 acres of utility corridors.

The KBMB proposed site has been historically, and is currently, managed as pastureland. Vegetation can be characterized as bottomland hardwood forest wetlands, shrub-scrub wetlands and emergent wetlands. Dominant species in emergent pasture wetlands are perennial rye grass (*Lolium perenne*), curly dock (*Rumex crispus*), buttercup (*Ranunculus hispidus*), marsh bristle grass (*Setaria parviflora*), woolly croton (*Croton capitatus*), powderpuff (*Mimosa strigillosa*), peppervine (*Ampelopsis arborea*) and blackberry (*Rubus argutus*). Dominant species in shrub-scrub wetlands include common persimmon (*Diospyros virginiana*), bitter-nut hickory (*Carya cordiformis*), saw-tooth blackberry (*Rubus argutus*), perennial rye grass (*Lolium perenne*) and field brome (*Bromus arvensis*). Dominant vegetation in forested wetlands include green ash (*Fraxinus pennsylvanica*) and red maple (*Acer rubrum*). Vegetation in upland pastures are dominated by marsh bristle grass (*Setaria parviflora*) and powderpuff (*Mimosa strigillosa*)

The Natural Resources Conservation Service (NRCS) has mapped the soils in the proposed mitigation bank as Bernaldo fine sandy loam, Betis loamy fine sand, Bossier clay, Buxin clay, Gallion silty clay loam, Guyton-lulus complex, Kirvin fine sandy loam, Moreland clay, and Sacul fine sandy loam. Bossier clay and Guyton complex are listed as frequently flooded and Moreland clay are listed as rarely flooded on the 2013 NRCS soil data. Bernaldo fine sandy loam, Bossier clay, Buxin clay and Guyton- lulus, Moreland clay are listed as hydric soils (NRCS 2014 National Hydric Soil List).

The KBMB is in the Cross Bayou watershed, part of the Red River Basin; within the United State Geological Survey (USGS) Hydrologic Unit Code (HUC) 11140304. The primary source of hydrology currently present on the site is rainfall, sheet flow and back-water flooding from existing unnamed tributaries and adjacent bottomland hardwood swamp. Kelly Bayou flows from north to south and runs along the eastern border of the site.

The Bank restoration plan includes wetland restoration activities focusing on restoring native plant communities, preservation within the bottomland hardwood and enhancement of stream buffer areas. Stream creation activities would include re-constructing stream channels along historic reaches.

The Sponsor proposes to restore 244.9 acres of bottomland hardwood forest (BLHF) according to the table below:

Proposed Kelly Bayou Mitigation Bank		
	HABITAT	AREA (acres)
Jurisdictional Areas		
	Bottomland Hardwood Restoration	174.0
	Bottomland Hardwood Enhancement	3.5
	Bottomland Hardwood Preservation	6.5
	Stream Buffer Bottomland Hardwood Restoration	33.9
	Stream Buffer Bottomland Hardwood Enhancement	9.2
	Stream Buffer Bottomland Hardwood Preservation	6.8
	Stream Restoration (12,333 linear feet)	4.5
	Stream Enhancement (2,913 linear feet)	1.4
	Kelly Bayou	5.2
	TOTAL	244.9
Non-Jurisdictional Areas		
	Upland Buffer Enhancement	59.1
	Upland Buffer Preservation	12.3
	Existing Roads	0.9
	Utility Line Corridor	4.7
	Canal to be Filled	0.8
	TOTAL	77.9

Service Area: This Mitigation Bank would be established to provide mitigation to compensate for impacts to waters of the United States, including wetlands, within the Corps of Engineers Vicksburg District Regulatory Boundary in the state of Louisiana. The proposed service area for this mitigation bank is demarcated by the United States Geologic Survey as hydrologic unit code 11140304 for the primary service area and hydrologic unit code 11140306 as a secondary service area. Decisions authorizing the use of credits from the Mitigation Bank will be made by the appropriate authority on a case by case basis in accordance with all applicable requirements.

Comments on this proposed mitigation bank may be provided to the Corps at the address below. Comments should be received no later than the expiration date of this public notice. The prospectus, which outlines the conceptual plan for the bank, is available at the following website:

<http://www.mvk.usace.army.mil/Missions/Regulatory/PublicNotices.aspx>

The prospectus, which outlines the conceptual plan for the bank, is available for review at the Vicksburg District, Corps of Engineers at the address given below. Please provide comments to:

U.S. Army Corps of Engineers
Vicksburg District
ATTN: CEMVK-OD-F
4155 Clay Street
Vicksburg, Mississippi 39183-3485


Randel V. Holder
Chief, Evaluation Section
Regulatory Branch

25 August 2014
MVK-2014-602

Applicant:
Loneak Capital Management, LLC
Proposed Work:
Mitigation Bank
Location:
Sections 25, T23N-R15W
Caddo Parish, Louisiana

Map Background:
ESRI Basemap

**Preliminary
Jurisdictional Determination**

Prepared by:
Jim Cole

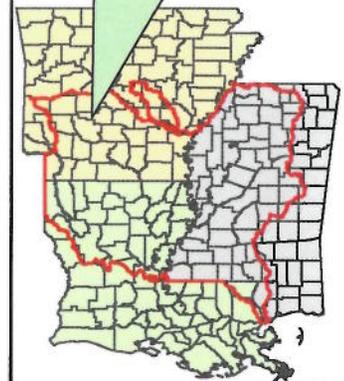


**US Army Corps
of Engineers**

**Regulatory Branch
Enforcement Section**

0 750 1,500
Feet

Caddo Parish, Louisiana



Legend

- | | |
|--|---------------------------------|
| Property Boundary 389.99 Acres | Constructed Pond 6.87 Acres |
| Other Waters 2.83 Acres/7649 Linear Feet | Scrub Shrub Wetlands 5.11 Acres |
| Forested Wetlands 13.58 Acres | |
| Emergent Wetlands 226.68 Acres | |

Please note, project area was reduced in the Prospectus from this original Preliminary Jurisdictional Determination.



CEMVK-OD-FE KWH-MVK-2014-602

LONE OAK CAPITAL MANAGEMENT, LLC



Legend

 Kelly Bayou Mitigation Bank (322.77 acres)

Reference

Base map comprised of ESRI StreetMap USA data.

Vicinity Map

Mitigation Bank Prospectus
Caddo Parish, Louisiana

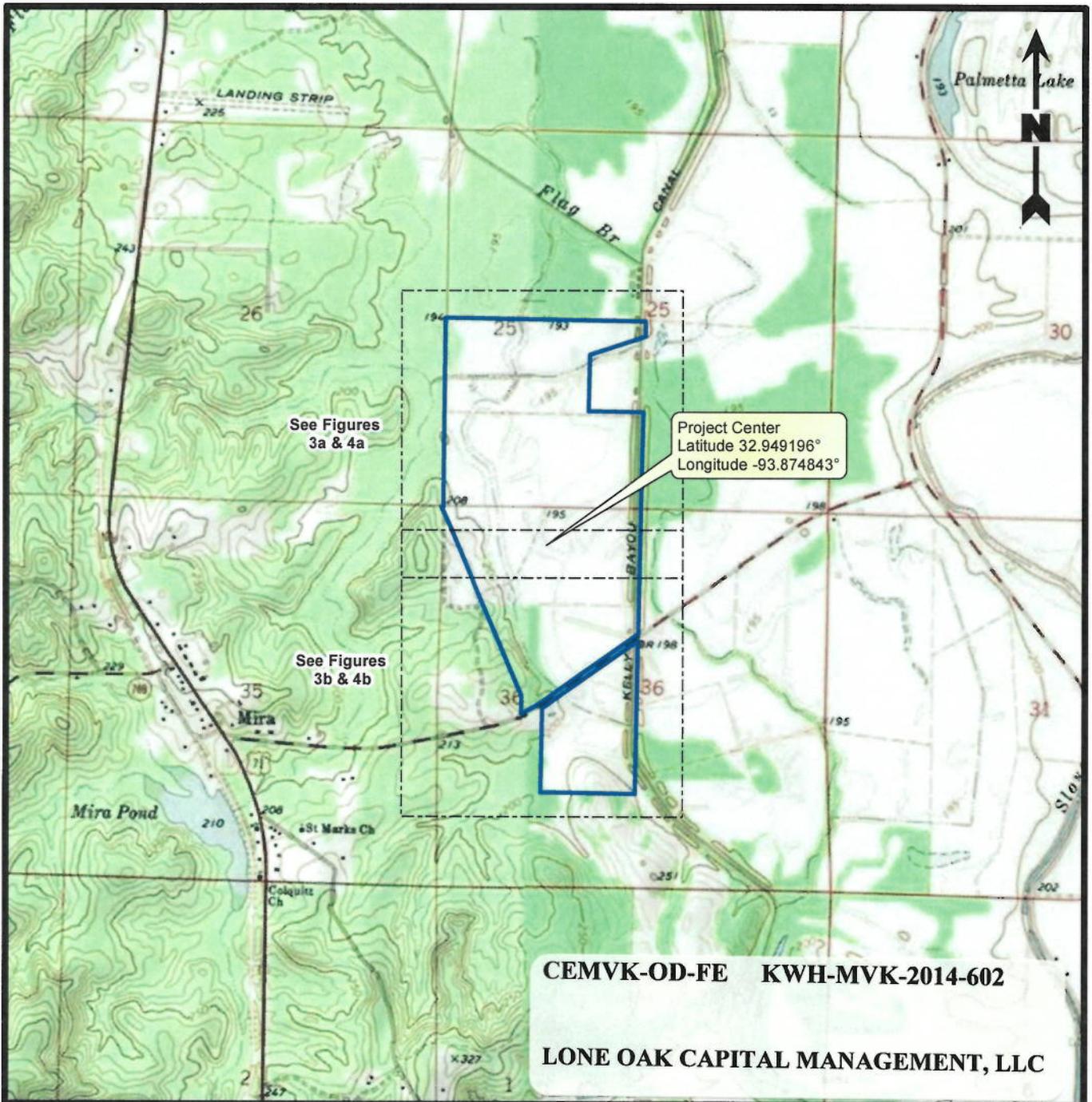
Lone Oak Capital Management, LLC
Kelly Bayou Mitigation Bank



Drawn By	CT	5/5/2015
Checked By	ABS	5/5/2015
Approved By	LAW	5/5/2015

Project Number	842-006
Drawing Number	842-006-A033

1
Figure



Legend

Kelly Bayou Mitigation Bank (322.77 acres)

Reference

Base map comprised of U.S.G.S. 7.5 minute topographic map, "Vivian North, LA" and "Wardview, LA" dated 1971.

Site Location Map

Mitigation Bank Prospectus
Caddo Parish, Louisiana

Lone Oak Capital Management, LLC
Kelly Bayou Mitigation Bank



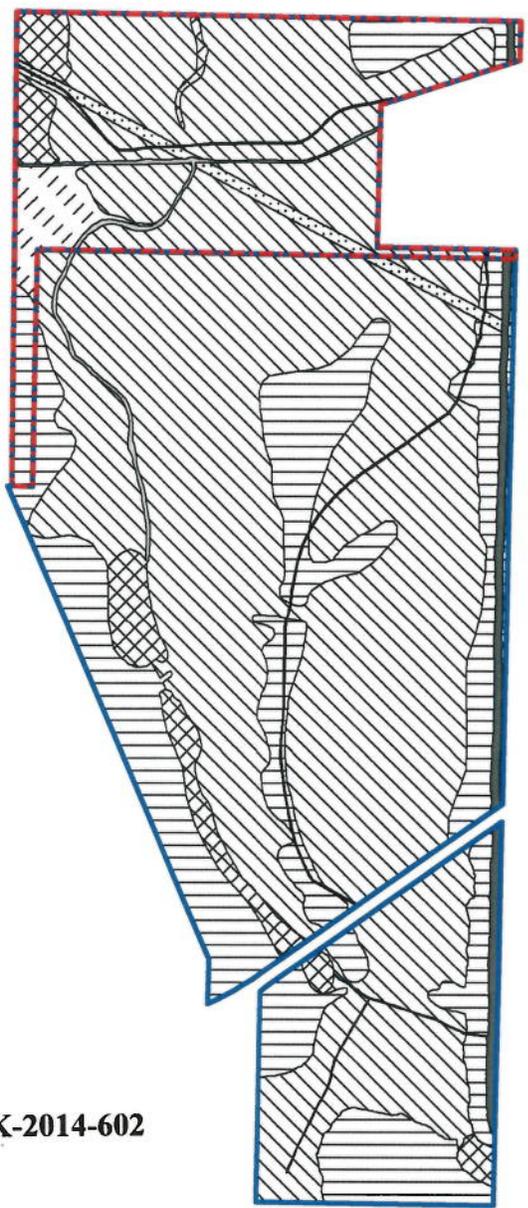
PROVIDENCE

Drawn By	CT	5/5/2015
Checked By	ABS	5/5/2015
Approved By	LAW	5/5/2015

Project Number	2
Drawing Number	
842-006	Figure
842-006-A034	



Tract 2	Acreage
Bottomland Hardwood Wetlands	4.70
Shrub-Scrub Wetlands	5.08
Herbaceous Wetlands	50.08
Kelly Bayou	0.28
Unnamed Tributaries	1.29
Uplands	7.08
Roads	0.48
Utility Corridor	2.91
Total	71.90



Tract 1	Acreage
Bottomland Hardwood Wetlands	8.87
Shrub-Scrub Wetlands	0.05
Herbaceous Wetlands	165.36
Kelly Bayou	4.91
Unnamed Tributaries	1.19
Uplands	68.51
Roads	0.82
Utility Corridor	1.16
Total	250.87

CEMVK-OD-FE KWH-MVK-2014-602

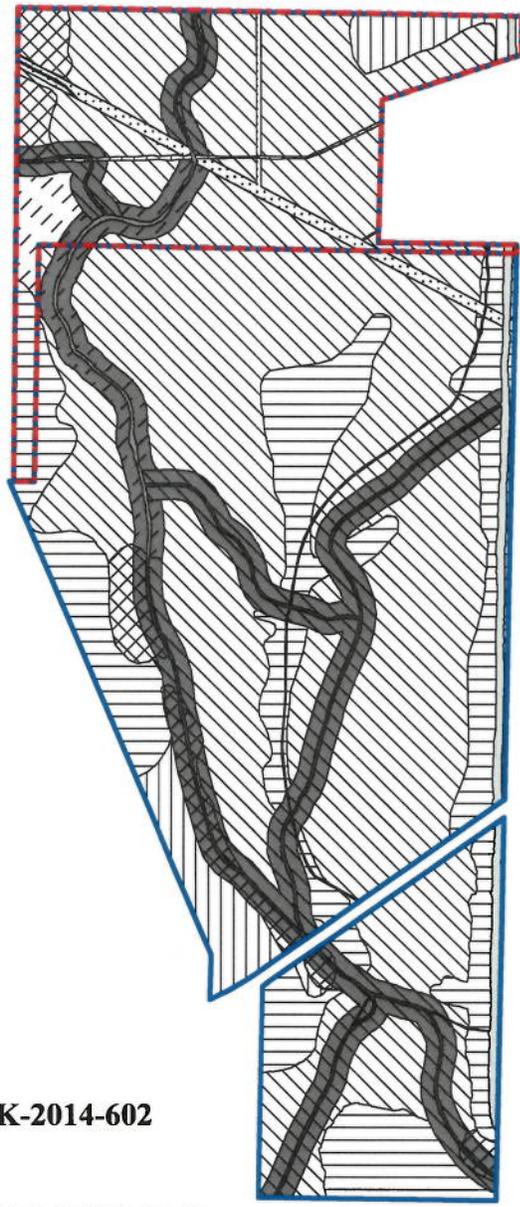
LONE OAK CAPITAL MANAGEMENT, LLC

<p>Legend</p> <p style="text-align: center;">1,000 500 0 1,000 Feet</p> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> Tract 1 (250.87 acres) Tract 2 (71.90 acres) Bottomland Hardwood Wetlands (13.57 acres) Shrub-Scrub Wetlands (5.13 acres) Herbaceous Wetlands (215.44 acres) Uplands (75.59 acres) </td> <td style="width: 50%; vertical-align: top;"> <p>Waterbodies</p> <ul style="list-style-type: none"> Kelly Bayou (5.19 acres) Unnamed Tributaries (2.48 acres) Roads (1.30 acres) Utility Corridor (4.07 acres) </td> </tr> </table>	<ul style="list-style-type: none"> Tract 1 (250.87 acres) Tract 2 (71.90 acres) Bottomland Hardwood Wetlands (13.57 acres) Shrub-Scrub Wetlands (5.13 acres) Herbaceous Wetlands (215.44 acres) Uplands (75.59 acres) 	<p>Waterbodies</p> <ul style="list-style-type: none"> Kelly Bayou (5.19 acres) Unnamed Tributaries (2.48 acres) Roads (1.30 acres) Utility Corridor (4.07 acres) 	<p>Pre-Restoration Site Plan</p> <p>Mitigation Bank Prospectus Caddo Parish, Louisiana</p> <p>Lone Oak Capital Management, LLC Kelly Bayou Mitigation Bank</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Drawn By</td> <td style="width: 20%;">CT</td> <td style="width: 50%;">5/5/2015</td> </tr> <tr> <td>Checked By</td> <td>ABS</td> <td>5/5/2015</td> </tr> <tr> <td>Approved By</td> <td>LAW</td> <td>5/5/2015</td> </tr> <tr> <td colspan="2">Project Number</td> <td>842-006</td> </tr> <tr> <td colspan="2">Drawing Number</td> <td>842-006-A042</td> </tr> </table> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: right;"> <p style="font-size: 2em; font-weight: bold;">3c</p> <p>Figure</p> </div> </div>	Drawn By	CT	5/5/2015	Checked By	ABS	5/5/2015	Approved By	LAW	5/5/2015	Project Number		842-006	Drawing Number		842-006-A042
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Checked By	ABS	5/5/2015																
Approved By	LAW	5/5/2015																
Project Number		842-006																
Drawing Number		842-006-A042																

Providence Engineering and Environmental Group LLC



Tract 2	Acreege
Bottomland Hardwood Enhancement	3.45
Bottomland Hardwood Restoration	43.59
Bottomland Hardwood Preservation	3.71
Stream Restoration	5.31 acres; 1,663.40 linear feet
Stream Enhancement	3.38 acres; 979.96 linear feet
Stream Buffer Preservation	0.76
Upland Buffer Enhancement	3.09
Upland Buffer Preservation	4.00
Areas to be Filled	0.71
Roads	0.11
Utility Corridor	3.51
Kelly Bayou	0.28
Total	71.90



Tract 1	Acreege
Bottomland Hardwood Enhancement	0.03
Bottomland Hardwood Restoration	130.38
Bottomland Hardwood Preservation	2.78
Stream Restoration	33.09 acres; 10,670.09 linear feet
Stream Enhancement	7.22 acres; 1,932.99 linear feet
Stream Buffer Preservation	6.03
Upland Buffer Enhancement	56.04
Upland Buffer Preservation	8.33
Areas to be Filled	0.08
Roads	0.82
Utility Corridor	1.16
Kelly Bayou	4.91
Total	250.87

CEMVK-OD-FE KWH-MVK-2014-602

LONE OAK CAPITAL MANAGEMENT, LLC

Legend

1,000 500 0 1,000 Feet

Tract 1 (250.87 acres)	Stream Restoration (38.40 acres; 12,333.49 linear feet)
Tract 2 (71.90 acres)	Stream Enhancement (10.60 acres; 2,912.95 linear feet)
Bottomland Hardwood Enhancement (Shrub-Scrub Wetlands; 3.48 acres)	Stream Buffer Preservation (6.79 acres)
Bottomland Hardwood Restoration (Herbaceous Wetlands; 173.97 acres)	Canals to be Filled (0.79 acre)
Bottomland Hardwood Preservation (6.49 acres)	Kelly Bayou (5.19 acres)
Upland Buffer Enhancement (59.13 acres)	Existing Roads (0.93 acre)
Upland Buffer Preservation (12.33 acres)	Utility Corridor (4.67 acres)

Post-Restoration Site Plan

Mitigation Bank Prospectus
Caddo Parish, Louisiana

Lone Oak Capital Management, LLC
Kelly Bayou Mitigation Bank

	Drawn By	CT	5/5/2015
	Checked By	ABS	5/5/2015
	Approved By	LAW	5/5/2015
	Project Number	842-006	
	Drawing Number	842-006-A043	

4c
Figure

Providence Engineering and Environmental Group LLC