



POE & ASSOCIATES, INC.

5940 E. Central, Suite 200  
Wichita, Kansas 67208

CONSULTING ENGINEERS

(316) 685-4114  
FAX: (316) 685-4444

September 5, 2006

RECEIVED

SEP 06 2006

CITY - ENGINEERING

Mr. Robert George, CFM  
Floodplain Management Technician  
Sedgwick County  
Department of Code Enforcement  
1144 S. Seneca  
Wichita, KS 67213

RECEIVED

SEP 06 2006

Re: Terradyne West Addition  
SE ¼, Sec. 13, T27S, R2E, Sedgwick County, KS

Dear Mr. George:

Attached is the Division of Water Resources stream obstruction and channel change permit application and cross sections from the golf course architect.

If additional information is needed, please contact me at your convenience.

Sincerely,  
POE & ASSOCIATES, INC.

James M. Ubert, P.E.  
Project Manager

attachments

c: ~~Mr. Scott Lindbak, PE, City of Wichita Engineering~~  
Mr. Jerry Slack  
Mr. Craig Smith, Terradyne Residential, LLC

THE STATE  OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE  
Adrian J. Polansky, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David L. Pope, Chief Engineer

**APPLICATION FOR PERMIT**

DAMS, STREAM OBSTRUCTIONS and CHANNEL CHANGES  
(K.S.A. 82a-301 - 305a)

WATER STRUCTURE NUMBER \_\_\_\_\_  
(For Office Use Only)

ENVIRONMENTAL COORDINATION ACT NUMBER \_\_\_\_\_  
(For Office Use Only)

Application is hereby made for written consent or permit of the Chief Engineer, Division of Water Resources, by  
(PLEASE TYPE OR PRINT CLEARLY):

1. **Owner:** Terradayne Residential, LLC

Agent: Craig Smith

Title: Managing Member

Mailing Address: 1400 Terradayne  
Andover, KS 67002

E-Mail Address: \_\_\_\_\_

Telephone No.: 316-733-2582 FAX No.: 733-9149

2. **Designer:** James Ulbert, P.E.

Firm: Poe & Associates, Inc.

Contact Person: \_\_\_\_\_

Mailing Address: 5940 E. Central, Suite 200  
Wichita, KS 67208

E-Mail Address: jimulbert@poe.kansas.com

Telephone No.: 316-685-4114 FAX No.: 685-4444

For Office Use Only: Code _____ Fee \$ _____ TR # _____ Receipt Date _____ Check # _____
--

3. **Description of proposed construction:**

Site Name: Terradyre West Addition  
 Drainage area above project: 1480 acres, 2.3 square miles (**Important:** required to calculate fees)

a. The project is (check all that apply):

Stream obstruction		Channel change	
<input type="checkbox"/> dam	<input type="checkbox"/> utility crossing	<input type="checkbox"/> relocation	<input type="checkbox"/> debris removal
<input type="checkbox"/> bridge	<input type="checkbox"/> jetty	<input type="checkbox"/> widening	<input type="checkbox"/> reshaping
<input checked="" type="checkbox"/> culvert	<input type="checkbox"/> intake or outfall	<input checked="" type="checkbox"/> excavation	<input type="checkbox"/> filling
<input type="checkbox"/> other (describe): _____			

b. The project purpose is (check all that apply):

- new construction       repair       water supply  
 maintenance       erosion control       modification  
 replacement       flood control       aggregate production  
 the beneficial use of water (see Appropriation of Water, File No. \_\_\_\_\_)  
 other (describe): \_\_\_\_\_

c. The project will (complete all that apply): be 1680 feet long, 0 feet high, 20 feet deep; have 4:1 side slopes, 100 feet bottom width, \_\_\_\_\_ cubic yards of fill or cut; shorten the stream length from \_\_\_\_\_ feet to \_\_\_\_\_ feet; constrict the channel and floodplain by 0 %; cause a hydraulic restriction or backwater of 0 feet.

Further description: Enlarging existing ponds, no embankment, 2 equalizing pipes between existing ponds with no embankment.

4. **Legal description of location** (use intersection of project centerline and stream centerline where applicable; otherwise, use geographical center or midpoint of the project):

\_\_\_\_ Quarter of the \_\_\_\_ Quarter of the SE Quarter of Section 13, Township 27 South, Range 2 (East) West (circle one), Sedwick County, Kansas, across, along, or in (stream or watercourse name): Brookhaven Tributary to Four Mile Creek

Additional description: \_\_\_\_\_

5. Attach copies of Environmental Reviews, Assessments or Impact Statements, letters of comment and other pertinent information to the Water Projects Environmental Coordination Act, K.S.A. 82a-325 to 327, as amended. The following information should be provided in consultation with biologists, archaeologists, foresters or other professionals.

a. The project will (check all that apply):

- |  |   |
|--|---|
| <input type="checkbox"/> fill a channel  | <input type="checkbox"/> fill or drain deep pools                         |
| <input type="checkbox"/> remove gravel, sand or silt bars  | <input type="checkbox"/> disturb or endanger historic sites or structures |
| <input type="checkbox"/> fill or drain a wetland   | <input type="checkbox"/> inundate a stream                                |
| <input type="checkbox"/> create deep pools   | <input type="checkbox"/> affect threatened and endangered species         |
| <input type="checkbox"/> relocate a channel  | <input checked="" type="checkbox"/> widen a channel                       |
| <input type="checkbox"/> replace a bridge that is _____ years old  |   |
| <input checked="" type="checkbox"/> remove streamside vegetation, including <u>0.5</u> acres of trees and <u>0.5</u> acres of vegetation |   |

b. Describe actions planned to minimize the project impact:

Describe any vegetative strip planned: Disturbed areas to be seeded, mulched and irrigated with new plantings & trees along golf course.

Describe erosion control measures to be used during construction: Silt fence, ditch checks, riprap, sediment traps, seeding & mulch

Describe mitigation or replacement of environmental impacts or values: \_\_\_\_\_

Project work will be halted and the Kansas State Historical Society contacted when historical sites or artifacts are encountered:  Yes  No

Describe other planned activities: \_\_\_\_\_

6. The design, construction, operation, and maintenance of the stream obstruction or channel change must conform to the requirements of the rules and regulations adopted by the Chief Engineer. Applicable regulations are K.A.R. 5-40-1 through 5-43-5. Please visit our web site, [www.accesskansas.org/kda/](http://www.accesskansas.org/kda/), or contact our office to obtain those rules and regulations.

7. Progress of construction (check the appropriate line and enter requested date):

Construction was started or was completed on: 8 / 1 / 2006.

Construction has not begun. Planned date to begin construction: \_\_\_\_\_ / \_\_\_\_\_ / 20\_\_\_\_.

8. By signing this application, I hereby certify that the information contained in this application is true, correct and complete, and that I am the owner or I am authorized by the owner to make this application.

Signature of Owner or Agent: *James H. Ubert*  
 Date: 9/7/06 Title: Agent

**INSTRUCTIONS**

1. Incomplete applications will be returned to applicant. Make sure you have filled in all applicable blanks, signed the application, and included the required fee (see below). Plans and other materials listed in item 6 must accompany application for it to be complete.
2. If the owner is a governmental entity, please identify on the first page the governmental unit responsible for construction and maintenance.
3. Questions regarding environmental impacts may be referred to the following environmental review agencies:
 

Kansas Corporation Commission	Kansas Biological Survey
Kansas Dept. Of Health & Environment	State Conservation Commission
Kansas State Historical Society	Kansas Forest Service
Kansas Dept. Of Wildlife and Parks	

**FEE SCHEDULE**  
effective July 1, 2002

<b>Applications for New Dams and Dam Modification Applications</b>	
Pre-construction	Construction in Progress*
\$200	\$500

<b>Applications for Stream Obstructions and Channel Changes</b>		
Drainage Area	Pre-construction	Construction in Progress*
Drainage area < 5 sq. miles	\$100	\$200
Drainage area between 5 and 50 sq. miles	\$200	\$400
Drainage area > 50 sq. miles	\$500	\$1,000

\*"Construction in progress" fees apply to projects where construction began before the project was approved by the Chief Engineer. These fees are in addition to any other penalties applicable under law.

Make checks payable to the **Kansas Department of Agriculture**

Mail application, check, and all supporting documents to:

Kansas Department of Agriculture  
 Division of Water Resources  
 109 SW 9<sup>th</sup> Street 2nd Floor  
 Topeka KS 66612-1283  
 Telephone: (785) 296-2933 Fax: (785) 296-4835