# **NOTICE**

This scan only represents the application as filed. The information contained herein meets the requirements of K.A.R. 5-3-1 or K.A.R. 5-5-1, and has been found acceptable for filing in the office of the Chief Engineer. The application should not be considered to be a complete application as per K.A.R. 5-3-1b or K.A.R. 5-5-2a.

### KANSAS DEPARTMENT OF AGRICULTURE

Mike Beam, Secretary of Agriculture

### **DIVISION OF WATER RESOURCES**Earl D. Lewis Jr., Chief Engineer

File Number 50678-A
This item to be completed by the Division of Water Resources.

### APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

Filing Fee Must Accompany the Application (Please refer to Fee Schedule attached to this application form.)

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502:

	Address: <u>13204 Woodsor</u>				01-1-1/0	7:0	- 1- 00000	
	,	· · · · · · · · · · · · · · · · · · ·				•	·	
	Telephone Number: (	_)			Email: jherrol	d@tyrei	nergy.com	
	The source of water is:	Surface w	vater in <u>W</u>	<u>akarusa F</u>	River	eam)		
	OR	☐ groundwa	ater in		•	je basin)		
	Certain streams in Kansas when water is released fro to these regulations on the and return to the Division	m storage for ເ e date we rece	use by wat ive your ap	er assurar	nce district membe	rs. If you	ur application is subj	eci
<b>.</b>	The maximum quantity of	water desired	is <u>56</u>	acre	-feet OR	gal	lons per calendar ye	ar.
	to be diverted at a maximum rate of 900 gallons per minute OR cubic feet per second.							
	to be diverted at a maximu	ım rate of <u>900</u>			er minute OR		cubic feet per seco	
	to be diverted at a maximum.  Once your application has requested quantity of was requested maximum rate of proposed project and are in	s been assigne ter under that of diversion an	ed a priority t priority n d maximur	gallons pe y, the requ number ca n quantity	uested maximum an <u>NOT</u> be increa of water are appr	rate of d ised. Fopriate a	iversion and maximorelease be certain yound reasonable for you	ıd. ım
<b>.</b>	Once your application has requested quantity of wa requested maximum rate of	s been assigne ter under that of diversion an in agreement v	ed a priority t priority n d maximur with the Di	gallons po y, the requ number ca m quantity vision of V	uested maximum an <u>NOT</u> be increa of water are appr Vater Resources'	rate of d ised. F opriate a	iversion and maximorelease be certain yound reasonable for you	ıd. ım
l.	Once your application has requested quantity of wa requested maximum rate of proposed project and are i	s been assigne ter under that of diversion an in agreement v	ed a priority t priority n d maximur with the Dir d for (Check	gallons per y, the requiumber can m quantity vision of V	uested maximum an <u>NOT</u> be increa of water are appr Vater Resources'	rate of d ised. F opriate a requirem	iversion and maximorelease be certain yound reasonable for you	ıd. ım uı
ļ.	Once your application has requested quantity of wa requested maximum rate or proposed project and are in the water is intended to be	s been assigne ter under that of diversion an in agreement v e appropriated	ed a priority t priority n d maximur with the Dir d for (Check	gallons per y, the requirement can m quantity vision of V truse intend (c) 🖂	uested maximum in <u>NOT</u> be increa of water are appr Vater Resources' ed):	rate of d ised. F opriate a requirem (d)	iversion and maximi Please be certain yo and reasonable for yo nents.	nd. Im Our
<b>.</b>	Once your application has requested quantity of wa requested maximum rate of proposed project and are if  The water is intended to be  (a)   Artificial Recharge	s been assigne ter under that of diversion an in agreement v e appropriated (b)   Irriga	ed a priority t priority n d maximur with the Di d for (Check ation	gallons per y, the requirement can m quantity vision of V truse intend (c)  (g)	uested maximum in <u>NOT</u> be increa of water are appr Vater Resources' ed): Recreational	rate of d ised. Fopriate a requirem (d)	iversion and maxime Please be certain yound reasonable for you nents. □ □ Water Power	nd. Im Our
	Once your application has requested quantity of wa requested maximum rate oproposed project and are if  The water is intended to be  (a)   Artificial Recharge  (e)   Industrial	s been assigne ter under that of diversion an in agreement v e appropriated (b)   Irriga (f)   Muni (j)   Dewa	ed a priority t priority n d maximur with the Dir d for (Check ation icipal atering	gallons per y, the requirement can m quantity vision of V t use intend (c) ⊠ (g) □ (k) □	uested maximum In NOT be increa of water are appr Vater Resources' ed): Recreational Stockwatering Hydraulic Dredgin	rate of d ised. Fopriate a requirem (d)	iversion and maxime Please be certain yound reasonable for you nents.  □ Water Power □ Sediment Contr	nd. Im Dui Dui

The location of the proposed wells, pump sites or other works for diversion of water is:
Note: For the application to be accepted, the point of diversion location must be described to at least a 10 acre tract, unless you specifically request a 60 day period of time in which to locate the site within a specifically described, minimal legal quarter section of land.
(A) One in the <u>SW</u> quarter of the <u>NE</u> quarter of the <u>NE</u> quarter of Section <u>14</u> , more particularly described as
being near a point <u>4200</u> feet North and <u>900</u> feet West of the Southeast corner of said section, in Township
13 South, Range 20 East, <u>Douglas</u> County, Kansas.
(B) One in the quarter of the quarter of the quarter of Section, more particularly
described as being near a point feet North and feet West of the Southeast corner of said
section, in Township South, Range East/West (circle one), County, Kansas.
(C) One in the quarter of the quarter of the quarter of Section, more particularly
described as being near a point feet North and feet West of the Southeast corner of said
section, in Township South, Range East/West (circle one), County, Kansas.
(D) One in the quarter of the quarter of the quarter of Section, more particularly
described as being near a point feet North and feet West of the Southeast corner of said
section, in Township South, Range East/West (circle one), County, Kansas.
wells, except that a single application may include up to four wells within a circle with a quarter (¼) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.  A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300 foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800 gallons per minute and which supply water to a common distribution system.
The owner of the point of diversion, if other than the applicant is (please print):
Cooper & Herrold Farms, LLC 13204 Woodson Street Overland Park, KS 66209 913-961-0965 (name, address and telephone number)
(name, address and telephone number)
You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:
I have legal access to, or control of, the point of diversion described in this application from the landowner or the landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct.  Executed on November 9, 2021  Applicant's Signature
The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.
The proposed project for diversion of water will consist of 1 pump (number of wells, pumps or dams, etc.)
and (was)(will be) completed (by) August 1, 2022  (Month/Day/Year - each was or will be completed)

5.

6.

7.

File No.

	File No
8.	The first actual application of water for the proposed beneficial use was or is estimated to be

^	NARIL	substance be injected into the water pumped from the diversion works?
9.	•	
	·	ve shall be required.
	All chemigation safety requirements mu	ust be met including a chemigation permit and reporting requirements.
10.	<ol> <li>If you are planning to impound water, p submitting the application. Please atta surface drainage area above the reservence.</li> </ol>	please contact the Division of Water Resources for assistance, prior to ach a reservoir area capacity table and inform us of the total acres of voir.
	Have you also made an application for Water Resources? ☐ Yes	a permit for construction of this dam and reservoir with the Division of No
	If yes, show the Water Structures p	permit number here
	<ul> <li>If no, explain here why a Water Str</li> </ul>	uctures permit is not required no earth work being done, using existing
	marsh as is, already permitted und	er LDG-0179
	· · · · · · · · · · · · · · · · · · ·	
11.	showing the following information. On	d by a U.S.G.S. topographic map, aerial photograph or a detailed plat the topographic map, aerial photograph, or plat, identify the center of ection corners and show the appropriate section, township and range ring information:
	diversion works) should be plotted	int(s) of diversion (wells, stream-bank installations, dams, or other as described in Paragraph No. 5 of the application, showing the North-distance from a section line or southeast corner of section.
	½ mile of the proposed well or we	, please show the location of any existing water wells of any kind within lls. Identify each existing well as to its use and furnish the name and ner or owners. If there are no wells within $\frac{1}{2}$ mile, please advise us.
	(c) If the application is for surface wat and ½ mile upstream from your pro	er, the names and addresses of the landowner(s) $\frac{1}{2}$ mile downstream operty lines must be shown.
	(d) The location of the proposed plac aerial photograph or plat.	e of use should be shown by crosshatching on the topographic map,
	(e) Show the location of the pipelines, of diversion to the place of use.	canals, reservoirs or other facilities for conveying water from the point
	A 7.5 minute U.S.G.S. topographinumbers to: Kansas Geological S Kansas 66047.	c map may be obtained by providing the section, township and range urvey, 1930 Constant, Campus West, University of Kansas, Lawrence,
12.	diversion points or any of the same r	water, water right, or vested right file number that covers the same place of use described in this application. Also list any other recent or water rights in conjunction with the filing of this application.
	None (WR 46802 dismissed)	

File No.

13.	Furnish the following well in well has not been complete	Furnish the following well information if the proposed appropriation is for the use of groundwate well has not been completed, give information obtained from test holes, if available.					
	Information below is from:	☐ Test holes	☐ Well a	s completed	☐ Drillers lo	og attached	
	Well location as shown in No.	paragraph	(A)	(B)	(C)	(D)	
	Date Drilled	-		- ALABORA LABORATA			
	Total depth of well	_				WANTED TO THE TOTAL THE TOTAL TO THE TOTAL TOTAL TO THE T	
	Depth to water bearing for	mation					
	Depth to static water level	-					
	Depth to bottom of pump i	ntake pipe					
	Cooper & Herrold Fa	rms, LLC 13204 \ (name, addr	<u>Woodson St</u> ess and tele	reet, Overland phone number	Park, KS 6620 )	9 913-961-0965	
16.	Cooper & Herrold Fa  The undersigned states that this application is subm	(name, addr	ess and tele	phone number	)		
16.	The undersigned states that this application is subm	(name, addroation at the information hitted in good faith	ess and tele set forth ab	phone number hove is true to t	)		
16.	The undersigned states tha	(name, addroation at the information hitted in good faith	ess and tele set forth ab	phone number	)	her knowledge ar	
16.	The undersigned states that this application is subm	(name, addronation it the information nitted in good faith, Kansas	ess and tele set forth ab	phone number hove is true to t	) he best of his/l	her knowledge ar ,2021	
_	The undersigned states that that this application is submoduled at Overland Park  (Applicant Signature)	(name, addroation it the information nitted in good faith, Kansas	ess and tele set forth ab	phone number hove is true to t	) he best of his/l	her knowledge ar ,2021	
_	The undersigned states that that this application is submitted at Overland Park  Manual (Applicant Signature)	(name, addroation it the information nitted in good faith, Kansas	ess and tele set forth ab	phone number hove is true to t	) he best of his/l	her knowledge ar ,2021	
_	The undersigned states that that this application is submoduled at Overland Park  (Applicant Signature)	(name, addronation it the information nitted in good faith, Kansas	ess and tele set forth ab	phone number hove is true to t	) he best of his/l	her knowledge ar ,2021	

File No.

#### **FEE SCHEDULE**

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic use, shall be (see paragraph No. 2 below if requesting storage):

ACRE-FEET	FEE
0-100	\$200,00
101-320	\$300.00
More than 320	\$300.00 plus \$20.00 for each additional 100 acre-feet or any part thereof.

2. The fee for an application in which storage is requested, except for domestic use, shall be:

ACRE-FEET	FEE
0-250	\$200.00
More than 250	\$200.00 plus \$20.00 for each additional 250 acre-feet of storage or any part thereof.

Note: If an application requests both direct use and storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for a permit to appropriate water for water power or dewatering purposes shall be \$100.00 plus \$200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

Note: The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works for diversion has been completed, except that for applications filed on or after July 1, 2009, for works constructed for sediment control use and for evaporation from a groundwater pit for industrial use shall be accompanied by a field inspection fee of \$200.00.

#### MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

#### **ATTENTION**

A Water Conservation Plan may be required per K.S.A. 82a-733. A statement that your application for permit to appropriate water may be subject to the minimum desirable streamflow requirements per K.S.A. 82a-703a, b, and c may also be required from you. After the Division of Water Resources has had the opportunity to review your application, you will be notified whether or not you will need to submit a Water Conservation Plan. You also may be required to install a water flow meter or water stage measuring device on your diversion works prior to diverting water. There may be other special conditions or Groundwater Management District regulations that you will need to comply with if this application is approved.

#### **CONVERSION FACTORS**

1 acre-foot equals 325,851 gallons

1 million gallons equal 3.07 acre-feet

# RECREATIONAL USE SUPPLEMENTAL SHEET

1.		Name of Applicant (	File No (Please Print): <u>Jack Herrold</u> nal use (boating, fishing, swimming, etc.): <u>Hunting</u>	
2.		arize how the water t fill = 18.64 AF	r will be used and justify the quantity of water reque	sted: 9.32 surface
	18.64 AF x 3	fills = 56 AF		
3.	Please compl	ete the following ta	ble showing estimated future water requirements:	
		ESTIMATEI	D FUTURE WATER DIVERTED/STORED	
		NEXT 5 YEARS	WATER TO BE DIVERTED (ACRE-FEET OR GALLONS)	
		Year 1	56 AF	
		Year 2	56 AF	
		Year 3	56 AF	
		Year 4	56 AF	
		Year 5	56 AF	
			ormation, tables, or curves showing past, present and te the amount of water requested.	1 estimated future
4.		nate the legal descript of the Section, To	iption of the location where the water is to be used wnship and Range.	by providing the
	Marsh in the	NE ¼ 14-13S-20E		
	You may att	ach any additional	information you believe will assist in informing th	e Division of the

need for your request.

engineer

APPROVED BY
TITLE CIVIL 6

90/70

efw

ADG

### KANSAS-

WaknDuk LLC Site #1 Twner:

Practice: Wetland Creation - WHIP Program

Location: N2 NE4 Section 14-T13S-R20E

County: Douglas

Latitude: \_\_\_\_ Longitude: \_\_\_\_



WATER RESOURCES RECEIVED

SEP 0 5 2006

KS DEPT OF AGRICULTURE

INDEX TO DRAWINGS

	Sheet No.	Description
86	1	Cover Sheet
	2	Location Map & Table of Quantities
	3	Plan View
	4	Stage—Storage Tables Embankment Cross—Section @ ILWLCS
	2 3 4 5 6 7	Embankment Cross-Section @ ILWLCS
	6	Anti-Seep Collar & ILWLCS
	7	Profile of Embankment
	8	Cross—Sections of Embankment @ 6" Fill Tube, Island, Earthen Block, and Auxiliary Spillway
	9	Diversion Profile & Cross-Sections
	10	Erosion Control Plan View
	11	Grass Seeding Detail
	12-16	Specifications
	17	Buried Utility Safety
	18	Operation & Maintenance
	10	operation & Maintenance

I certify that the plans and detailed specifications for this project were developed in accordance

ACTIVITY, THE EXCAVATOR IS RESPONSIBLE FOR CALLING KANSAS ONE-CALL AT 800-344-7233 (800-DIG-SAFE)

BEFORE ANY INVESTIGATION OR CONSTRUCTION

with the policy and procedures of the Natural

Resources Conservation Service.

Emery F. Wiens, Civil Engineer

(Signature) 8/25/06

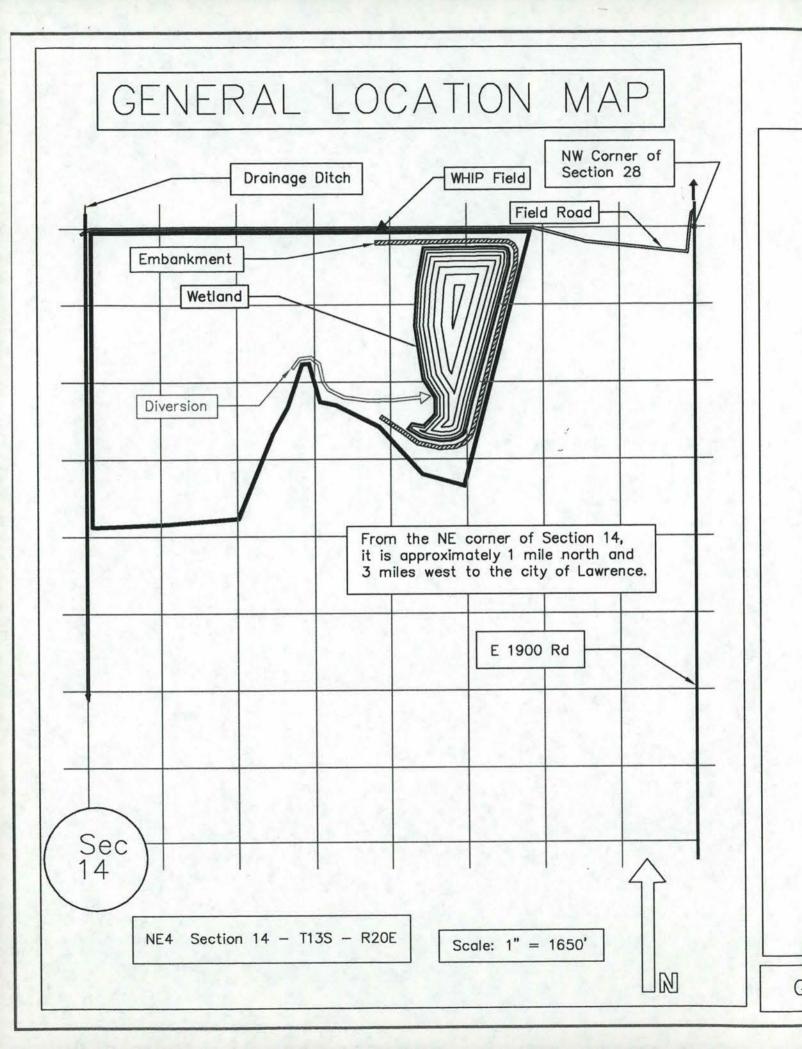
| 17 talegram 8/25/06

| Civil Engineer Date

Andrew J. Broxterman, Civil Engineer (Approving Signature)

WaknDuk LLC Site #1 Wetland Creation — WHIP Program N2 NE4 Section 14 — T13S — R20E Douglas County, Kansas

DRAWING NAME SHEET NO. 1 OF 18



### TABLE OF QUANTITIES

ITEM

UNIT

Earthfill: Embankment	cu yd	4901			
Earthfill: Diversion	cu yd	470		i	
Earthfill: Island	cu yd	37		j	
Earthfill: Earthen Block	cu yd	2			
Excavation: Core Trench	cu yd	708			
Excavation: Stripping	cu yd	2609		]	
n-Line Water Level Control Structure: 4'x10"	each	1			
Back-Flap in Bottom Board of ILWLCS, 10"	each	1			1
PVC Pipe 10"dia sm-in corr-out ASTM F949	lin ft	56			
Bar Guard (Heavy Duty) for 10" PVC Pipe	each	1			
Anti-Seep Collar 5'x5', Rigid PE for 10" pipe	each	1			1
Rodent Guard for 10" dia	each	1			
Manually Tamped Backfill: Pipe, 10" dia	lin ft	56		APPROVE	17
Manually Tamped Backfill: ILWLCS	lin ft	4		David L. Pope,	1.
Sheepsfooting MPP in 3 directions	acres	6.55		FEB 2 6 200	1
PVC Pipe 6"dia sm-in corr-out ASTM F949	lin ft	62	74	Chief Engineer Division of Water Res	
Bar Guard (Heavy Duty) for 6" PVC Pipe	Each	1		Kansas Dept. of Agric	dit
Anti-Seep Collar, 5'x5', Rigid PE for 6" Pipe	Each	1			1
Manually Tamped Backfill: 6" Pipe	62	lin ft			
Rodent Guard for 6" PVC Pipe	Each	1	WA	PER RESOURCES	
Check Valve (Plastic) for 6" Pipe	Each	1		RECEIVED	
Ditch Checks for Erosion Control	lin ft	461		SEP 0 5 2006	
Seeding Embank./AS/Block/Diversion/Island	acres	1.7	KSDE	PT OF AGRICULTURE	

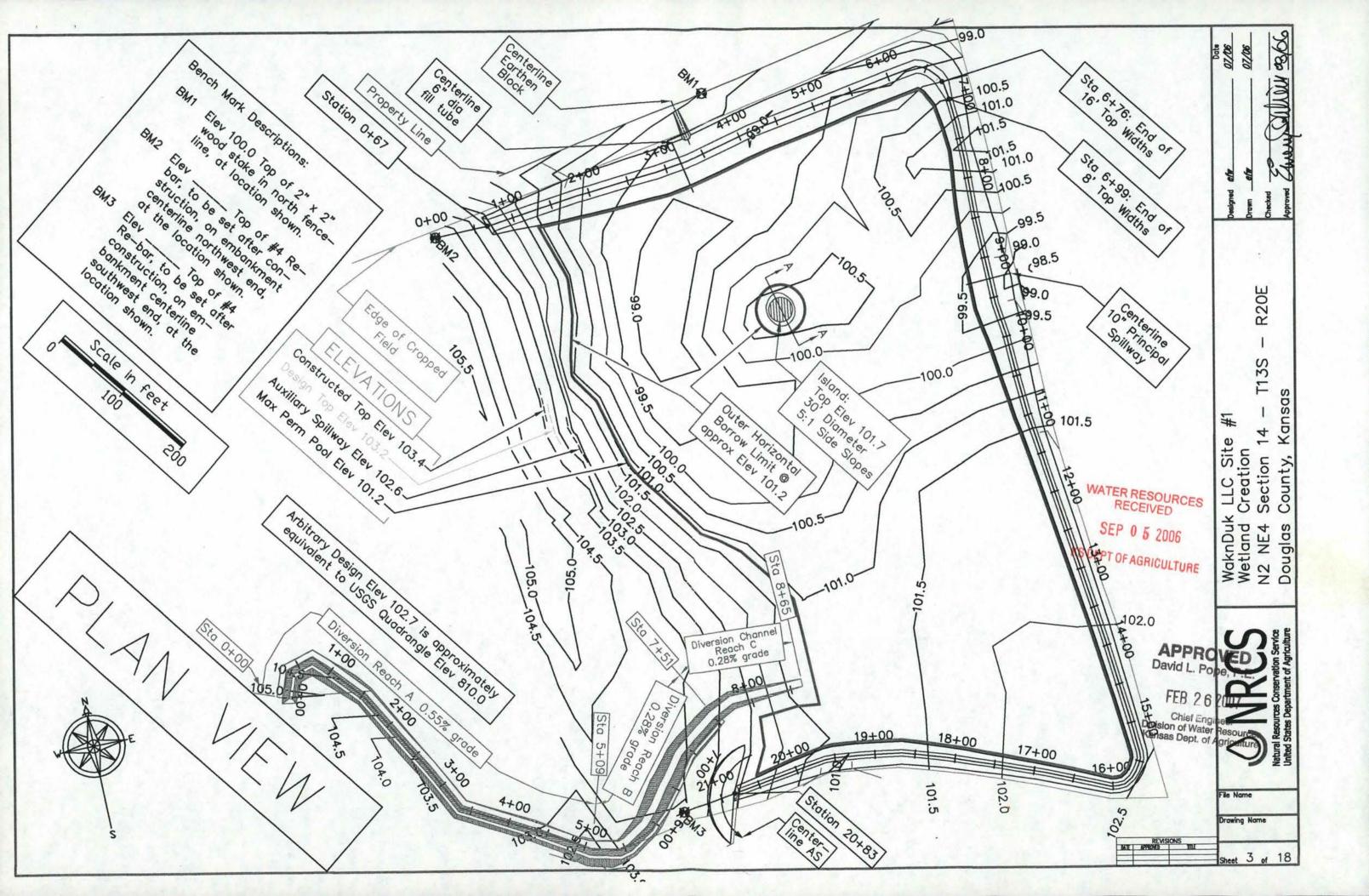
ak#Dak LLC Site #1 etland Creation 2 NE4 Section 14 — T13S — R20E ouglas County, Kansas

General Location Map & Table of Quantities

DESIGN INSTALLED QUANTITY

Drawing Name

Sheet 2 of 18



# STAGE-STORAGE TABLES

Pre-Construction						
Item	Elevation	Area (ac)	Volume (af)	Accum Vol (af)		
Lowest Point	98.6	0.00	0.00	0.00		
	99.5	1.46	0.48	0.48		
	100.0	2.94	1.10	1.58		
	100.5	4.50	1.86	3.44		
	101.0	5.39	2.47	5.91		
Max Permanent Pool	101.2	5.97	1.22	7.13		
	101.5	6.84	1.84	8.97		
	102.0	8.55	3.85	12.82		
	102.5	9.54	4.52	17.34		
Auxiliary Spillway	102.6	9.62	1.00	18.34		
	103.0	9.94	3.87	22.21		
Design Top	103.2	10.11	2.03	24.24		
Constructed Top	103.4	10.28	2.03	26.27		

Post-Construction (estimated)						
Item	Elevation	Area (ac)	Volume (af)	Accum Vol (af)		
Lowest Point	98.6	0.30	0.00	0.00		
Lowest Borrow Elev	98.8	1.10	0.22	0.22		
	99.0	1.90	0.22	0.44		
	99.5	3.11	1.25	1.69		
	100.0	4.00	1.78	3.47		
A CONTRACTOR AND A CONT	100.5	5.00	2.25	5.72		
	101.0	5.60	2.65	8.37		
Max Permanent Pool	101.2	6.55	1.22	9.59		
MERCHANICAL I	101.5	7.35	2.08	11.67		
	102.0	8.56	3.98	15.65		
	102.5	9.21	4.44	20.09		
Auxiliary Spillway	102.6	9.32	0.79	20.88		
rianiiai y opiiii ay	103.0	9.78	3.96	24.84		
Design Top	103.2	10.18	2.06	26.90		
Constructed Top	103.4	10.59	2.05	28.95		

WaknDuk LLC Site #1
Wetland Creation
N2 NE4 Section 14 Douglas County, Kar

Chief Engineer
Division of Water Resources
Kansas Dept. of Agriculture

WATER RESOURCES RECEIVED

SEP 0 5 2006

KS DEPT OF AGRICULTURE

Date 07/06 07/06

Emery F. Wiens

R20E

T13S

Kansas

Drawing Name

Stage-Storage Tables

### CROSS-SECTION at IN-LINE WATER LEVEL CONTROL STRUCTURE Wiens Emery F. Embankment Station 9+27 Top Width Constructed Top Elev 103.4 Approximate Top of ILWLCS Elev 102.5-Spacing Design Top Elev 103.2 from ILWLCS to R20E Auxiliary Spillway Crest Elev 102.6 Maximum Permanent Pool Elev 101.2 Top Edge T13S **ILWLCS** "Stop Logs" #1 WaknDuk LLC Site #Wetland Creation N2 NE4 Section 14 Douglas County, Kar Anti-Seep 14 Collar, on Embankment Centerline, 60"x 60", -Original Ground Rigid PE Bar Guard, for 10" Stripping WATER RESOURCES Line RECEIVED SEP 0 5 2006 Back-Flap, 10" dia-10"dia, smooth-in, corrugated-out -Inlet Elev 98.8 Core Trench Ground Elev @ Outlet 98.8 David L. Pope, P.E. 1.0 -Excavate to 1.5 Elev 98.3 1.5 around pipe FEB 262007 inlet area Bottom Approximate Bottom Elev Chier Chier 28.8 — Division le tweller les ources Kansas Dept. of Adriculture Width of ILWLCS 98.5 File Name Pipe Length Below ILWLCS = 36' Pipe Length Above (Drawing Not to Scale) ILWLCS = 20' Sheet 5 of 18

07/00

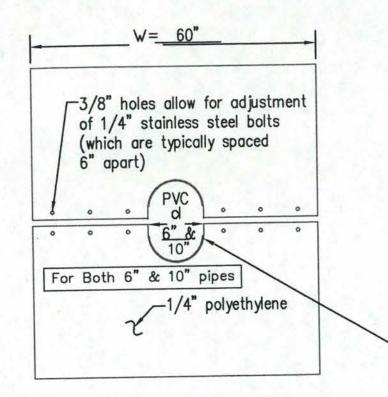
07/10

R20E

35 F

Kansas

County,



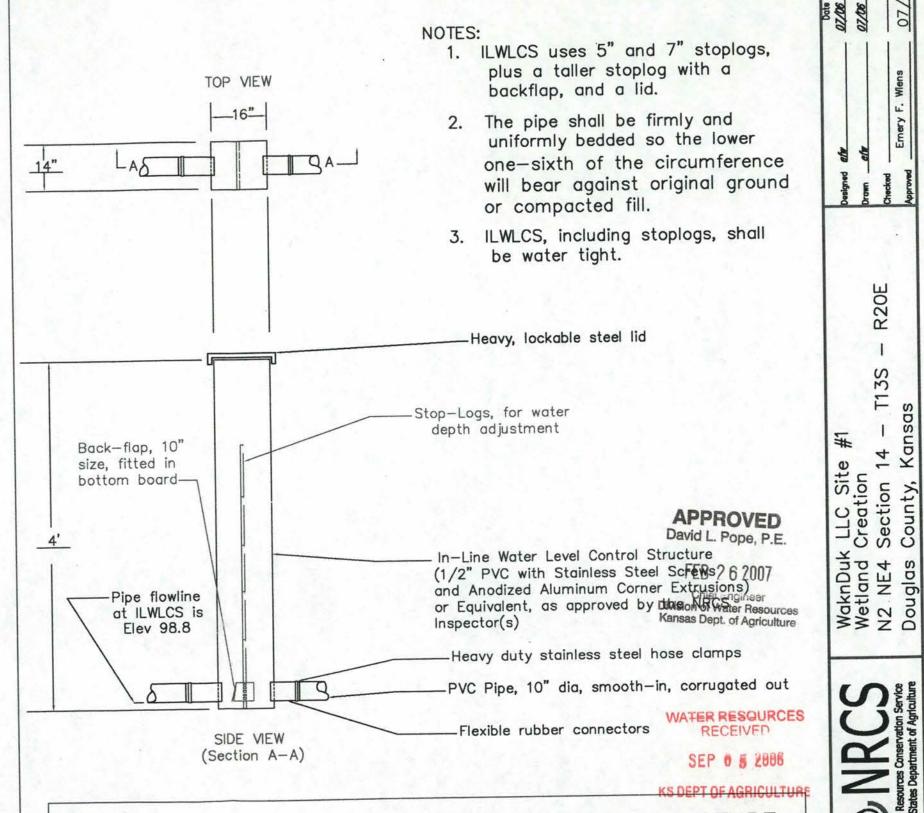
For 6" & 10" dia pipes

W/2=30" Stainless steel bands on each side. The 2 halves overlap 1.5" to allow for the pieces to be bolted together. W/2=30" -The two-piece connecting band is made from 1/8" polyethylene and extends a minimum of 3"

RIGID POLYETHYLENE ANTISEEP COLLAR

from the center on each side

and is joined to the body with a continuous weld on both sides.



DETAIL OF IN-LINE WATER LEVEL CONTROL STRUCTURE

ILWLCS & ANTI-SEEP COLLAR FOR PVC PIPE

Drawing Name DATE APPROVED THE

Sheet 6 of 18

