Prepared By: Kerry O. Russell, P.L.S. Anderson-Bogert Engineers & Surveyors, Inc. 229 Northland Court N.E. Cedar Rapids, Iowa 52402

Survey of Wetlands Easement

Part of the SW¼ SW¼ of Section 28, the NW¼ NW¼, NE¼ NW¼, and SE¼ NW¼ of Section 33, and the NW¼ NE¼ of Section 33, Township 87 North, Range 6 West of the 5th Principal Meridian, Delaware County, Iowa

DELAWARE COUNTY IOWA
FILED B-48
2002 FE -8 AM 10: 28
BOOK 2002 PAGE 507
DEBORAH L. PEYTON
DELAWARE CO. RECORDER
11.00

FILED
SHARON McCRABB
DELAWARE COUNTY AUDITOR

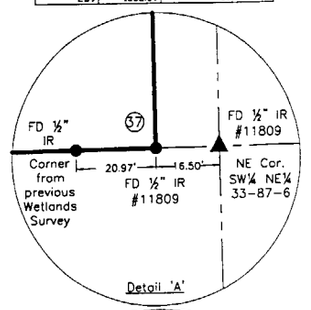
FEB 8 2002

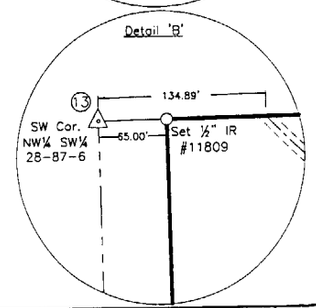
FILED
2-8-02
John R. Klauer
County Assessor

S89°05'22"W 5309.51'
W¼ Cor. 28-87-6 FD 5/8" IR
2652.86'
North line SW¼ 28-87-6
Center Sec. 28-87-6
2656.64'
E¼ Cor. 28-87-6 FD ½" IR w/Yellow Cap #14417
SE Cor. NE¼ SW¼ 28-87-6
1325.74'
N02°37'31"W 2652.62'
West line SW¼ 28-87-6 See Detail 'B'
N88°58'20"E 2677.72'
1697.72'
S02°51'56"E 2653.78'
N01°32'54"W 2661.39'
1330.70'
125.0'
525.0'
L22
L23
L24
L25
L26
L27
L28
L29
L30
L31
L32
L33
L34
L35
L36
L37
L38
L39
30' Access Easement
15.00'
15.00'
65.00'
33.00'
1330.69'
500.0'
500.0'
500.0'
500.0'
250.0'
250.0'
250.0'
250.0'
250.0'
SW¼ 28-87-6
SE¼ 28-87-6
SW Cor. 28-87-6 FD Nail
S¼ Cor. 28-87-6
S88°51'26"W 2702.59'
N89°07'53"E 1333.92'
SE Cor. SW¼ SE¼ 28-87-6
SE Cor. 28-87-6
N89°07'53"E 1333.92'
℄ 120th Ave.
North line NW¼ 33-87-6
730.66'
1326.88'
1325.25'
1329.14'
1329.15'
NW¼ 33-87-6
NE¼ 33-87-6
DNR Purchase
121.70 Acres
N01°05'22"W 1329.15'
N01°07'41"W 2650.51'
N01°35'51"W 2658.29'
602.23'
S01°03'31"E 2665.78'
NW Cor. SW¼ NE¼ 33-87-6
NE Cor. SW¼ NE¼ 33-87-6
NE Cor. SE¼ NE¼ 33-87-6
N88°57'50"E 1334.81'
S88°58'15"W 1334.63'
See Detail 'A'
East line NW¼ 33-87-6
N88°56'16"E 1345.05'
NW Cor. SW¼ NW¼ 33-87-6
NW Cor. SE¼ NW¼ 33-87-6
West line NW¼ 33-87-6
S01°19'40"E 1331.01'
135.0'
200.0'
SE Cor. SW¼ NW¼ 33-87-6
SE Cor. NW¼ (Center Sec.) 33-87-6 FD ½" IR (POB)
SE Cor. SW¼ NE¼ 33-87-6
E¼ Cor. 33-87-6 FD 5/8" IR
W¼ Cor. 33-87-6 FD ½" IR
South line NW¼ 33-87-6
1338.80'
841.51'
1335.89'
1335.15'
1325.26'
S89°01'09"W 2677.59'
S88°48'13"W 2671.05'

500 0 500

LINE TABLE		
LINE	LENGTH	BEARING
L1	497.29	S89°01'09"W
L2	601.76	N00°40'23"W
L3	153.84	N74°20'40"W
L4	228.39	N09°32'56"W
L5	291.94	N38°29'11"W
L6	236.79	N60°20'13"W
L7	115.59	N47°44'07"W
L8	161.87	N86°57'36"W
L9	47.15	N70°28'06"W
L10	197.07	S88°56'16"W
L11	258.37	N01°15'03"W
L12	256.75	N73°23'27"W
L13	171.75	N87°02'35"W
L14	160.20	N76°23'07"W
L15	152.90	N76°09'17"W
L16	147.94	S87°04'15"W
L17	251.59	S87°04'37"W
L18	913.89	N01°35'51"W
L19	700.02	N01°32'54"W
L20	105.00	N16°11'47"E
L21	530.31	N01°32'54"W
L22	915.00	N88°58'20"E
L23	275.91	S25°56'20"W
L24	520.36	S09°20'43"W
L25	256.28	S38°12'43"E
L26	246.32	S37°37'38"E
L27	258.21	S40°29'03"E
L28	243.37	N89°40'29"E
L29	190.39	S00°41'12"E
L30	260.50	N89°30'22"E
L31	61.08	S02°27'31"E
L32	167.06	S59°13'39"E
L33	151.75	S62°18'01"E
L34	408.90	S52°07'54"E
L35	396.46	S87°28'57"E
L36	1317.81	N89°07'53"E
L37	598.54	S01°05'21"E
L38	1318.13	S88°58'15"W
L39	1332.89	S01°03'31"E





NO.	REVISION DESCRIPTION	APPROVED	DATE

Client: NRCS
515 N. Jefferson Suite G
Indianola, IA 50125-1700
Phone: (515) 962-1461

Anderson-Bogert
Engineers & Surveyors, Inc.
229 Northland Court N.E. Cedar Rapids, Iowa 52402
Phone: (319) 377-4629

Drawn By: E.A.P. Approved By: K.O.R.
Date: 1/2/02 Scale: See Above
Field Book #:

Wetlands Survey
Project Number: 201096

Sheet No. 1 Of 2

I:\ACAD\201096\dwg\10961P_NRCS.DWG Tue Feb 05 11:21:41 2002

Abstract Co.

	Point No.	Latitude (Deg./Min./Sec.)	Longitude (Deg./Min./Sec.)	Northing (Meters)	Easting (Meters)
WGS 84 Datum Iowa North Zone Lambert Conformal Conic Projection UTM NAD 83 (Scale Factor= .999945703907)	1.	N42°18'12.9752"	W91°33'01.8993"	1091114.4378	1660725.4425
	2.	N42°18'18.9195"	W91°33'01.8087"	1091297.8427	1660723.2876
	3.	N42°18'19.3632"	W91°33'03.7669"	1091310.4964	1660678.1361
	4.	N42°18'21.5961"	W91°33'04.2027"	1091379.1419	1660666.5681
	5.	N42°18'23.8944"	W91°33'06.5499"	1091448.7944	1660611.1912
	6.	N42°18'25.0985"	W91°33'09.2516"	1091484.5129	1660548.4758
	7.	N42°18'25.8858"	W91°33'10.3660"	1091508.2082	1660522.4027
	8.	N42°18'26.0073"	W91°33'12.5140"	1091510.8248	1660473.1334
	9.	N42°18'26.1731"	W91°33'13.1005"	1091515.6296	1660459.5891
	10.	N42°18'26.1818"	W91°33'15.7232"	1091514.5160	1660399.5317
	11.	N42°18'28.7342"	W91°33'15.7191"	1091593.2497	1660397.8125
	12.	N42°18'29.5149"	W91°33'18.9703"	1091615.6190	1660322.8194
	13.	N42°18'29.6414"	W91°33'21.2498"	1091618.3195	1660270.5400
	14.	N42°18'30.0492"	W91°33'23.3099"	1091629.8136	1660223.0825
	15.	N42°18'30.4442"	W91°33'25.2740"	1091640.9662	1660177.8319
	16.	N42°18'30.4032"	W91°33'27.2422"	1091638.6619	1660132.7976
	17.	N42°18'30.3335"	W91°33'30.5893"	1091634.7514	1660056.2129
	18.	N42°18'39.3614"	W91°33'30.6489"	1091913.1966	1660048.4512
	19.	N42°18'46.2767"	W91°33'30.6867"	1092126.4863	1660042.6862
	20.	N42°18'47.2658"	W91°33'30.2662"	1092157.2188	1660051.6127
	21.	N42°18'52.5045"	W91°33'30.2949"	1092318.7984	1660047.2444
	22.	N42°18'52.4589"	W91°33'18.1161"	1092323.8010	1660326.0920
	23.	N42°18'50.0359"	W91°33'19.7981"	1092248.1741	1660289.3060
	24.	N42°18'44.9841"	W91°33'21.0796"	1092091.6718	1660263.5509
	25.	N42°18'43.0287"	W91°33'19.1312"	1092032.3824	1660309.5449
	26.	N42°18'41.0459"	W91°33'17.1384"	1091972.2692	1660356.5764
	27.	N42°18'39.0682"	W91°33'14.9680"	1091912.4094	1660407.6728
	28.	N42°18'39.0264"	W91°33'11.7293"	1091912.8270	1660481.8515
	29.	N42°18'37.1457"	W91°33'11.7573"	1091854.8003	1660482.5470
	30.	N42°18'37.1086"	W91°33'08.2905"	1091855.4849	1660561.9446
	31.	N42°18'36.5054"	W91°33'08.2744"	1091836.8860	1660562.7432
	32.	N42°18'35.6043"	W91°33'06.4117"	1091810.0727	1660606.0310
	33.	N42°18'34.8770"	W91°33'04.6456"	1091788.5721	1660646.9837
	34.	N42°18'32.3246"	W91°33'00.4276"	1091712.0663	1660745.3718
	35.	N42°18'32.0623"	W91°32'55.1629"	1091706.7581	1660866.0971
	36.	N42°18'31.9588"	W91°32'37.6245"	1091712.8473	1661267.7212
	37.	N42°18'26.0461"	W91°32'37.6574"	1091530.4458	1661271.1892
	38.	N42°18'26.1132"	W91°32'55.2047"	1091523.2301	1660869.3750
	39.	N42°18'12.9460"	W91°32'55.2815"	1091117.0326	1660876.9932

Legal Description

A parcel of land located in the SW¼ SW¼ of Section 28, the NW¼ NW¼, NE¼ NW¼, and the SE¼ NW¼ of Section 33, and the NW¼ NE¼ of Section 33, Township 87 North, Range 6 West of the 5th Principal Meridian, Delaware County, Iowa;
Beginning at the SE corner of the NW¼ of said Section 33;
Thence S89°01'09"W along the South line of the NW¼ of said Section 33 497.29 feet;
Thence N00°40'23"W 601.76 feet;
Thence N74°20'40"W 153.84 feet;
Thence N09°33'56"W 228.39 feet;
Thence N38°29'11"W 291.94 feet;
Thence N60°20'13"W 236.79 feet;
Thence N47°44'07"W 115.59 feet;
Thence N86°57'36"W 161.87 feet;
Thence N70°28'06"W 47.15 feet to the NW corner of the SE¼ of the NW¼ of said Section 33;
Thence S88°56'16"W along the South line of the NW¼ of the NW¼ of said Section 33 197.07 feet;
Thence N01°15'03"W 258.37 feet;
Thence N73°23'27"W 256.75 feet;
Thence N87°02'35"W 171.75 feet;
Thence N76°23'07"W 160.20 feet;
Thence N76°09'17"W 152.90 feet;
Thence S87°04'15"W 147.94 feet;
Thence S87°04'37"W 251.59 feet to the Easterly Right of Way of 120th Avenue;
Thence N01°35'51"W along said Easterly Right of Way line 913.89 feet to the North line of the NW¼ of said Section 33;
Thence N01°32'54"W along said Easterly Right of Way 700.02 feet;
Thence N16°11'47"E along said Easterly Right of Way 105.00 feet;
Thence N01°32'54"W along said Easterly Right of Way 530.31 feet to the North line of the S½ of the SW¼ of said Section 28;
Thence N88°58'20"E along said North line 915.00 feet;
Thence S25°56'20"W 275.91 feet;
Thence S09°20'43"W 520.36 feet;
Thence S38°12'43"E 250.28 feet;
Thence S37°37'38"E 246.32 feet;
Thence S40°29'03"E 258.21 feet;
Thence N89°40'39"E 243.37 feet;
Thence S00°41'12"E 190.39 feet;
Thence N89°30'22"E 260.50 feet;
Thence S02°27'31"E 61.08 feet;
Thence S58°13'30"E 167.06 feet;
Thence S62°18'01"E 151.75 feet;
Thence S52°07'54"E 408.90 feet;
Thence S87°28'57"E 396.46 feet to the East line of the NW¼ of said Section 33;
Thence N89°07'53"E 1317.81 feet;
Thence S01°05'21"E 598.54 feet to the South line of the NW¼ of the NE¼ of said Section 33;
Thence S88°58'15"W along said South line to the NW corner of the SW¼ of the NE¼ of said Section 33 1318.13 feet;
Thence S01°03'31"E along the East line of said NW¼ of said Section 33 1332.89 feet to the Point of Beginning, containing 121.70 acres (5,301,013 s.f.).

Legend

- Boundary Line
- Adjoining Lot Line
- Section Line
- Center Line
- Easement Line
- Found 1/2" Iron Rod w/Cap #11809 unless otherwise noted ●
- Set 1/2" Iron Rod w/Cap #11809 (point on line) ×
- Set 1/2" Iron Rod w/Cap #11809 ○
- Set Section/Quarter Corner △
- Found Section/Quarter Corner w/ 1/2" Iron Rod w/Yellow Cap #11809 unless otherwise noted ▲
- Measured (M)
- Recorded (R)

Acreages

SW¼ SW¼ 28-87-6	25.89 Acres
NW¼ NW¼ 33-87-6	30.50 Acres
NE¼ NW¼ 33-87-6	26.77 Acres
SE¼ NW¼ 33-87-6	20.37 Acres
NW¼ NE¼ 33-87-6	18.17 Acres
Total	121.70 Acres

Proprietors:	Michael J. & Karen L. O'Hara
Telephone Number:	(319) 932-2553
Mailing Address:	3272 120th Ave. Ryan, IA 52330

KERRY O. RUSSELL LICENSED #11809 IOWA LAND SURVEYOR

I HEREBY CERTIFY THAT THIS LAND SURVEYING DOCUMENT WAS PREPARED AND THE RELATED SURVEY WORK WAS PERFORMED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA.

SIGNED: DATE: 2/5/02

KERRY O. RUSSELL IOWA REG. NO.11809

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2003

PAGES OR SHEETS COVERED BY THIS SEAL: 1 of 2

NO.	REVISION DESCRIPTION	APPROVED	DATE

Client: NRCS
515 N. Jefferson Suite G
Indianola, IA 50125-1700
Phone: (515) 962-1461

Anderson-Bogert
Engineers & Surveyors, Inc.
229 Northland Court N.E. Cedar Rapids, Iowa 52402
Phone: (319) 377-4629

Drawn By: E.A.P. Approved By: K.O.R.
Date: 1/2/02 Scale: See Above
Field Book #:

Wetlands Survey
Project Number: 201096

Sheet No. 2 Of 2

T:\ACAD\201096\dwg\1096TP_NRCS.DWG Tue Feb 05 11:24:43 2002