

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

In the matter of Application to Impound)
Water in the Platte River Basin)
)
)
)
)
PETITION FOR LEAVE TO
FILE OR CONSIDER AN
APPLICATION TO
APPROPRIATE WATER IN
THE PLATTE RIVER BASIN

COMES NOW the Central Platte Natural Resources District as Petitioner and states as follows:

1. Petitioner is the owner of the tracts of land identified as tract number 1, number 4A, number 19A, and number 20A as described and shown in the attached Exhibit(s) A and B.
2. Petitioner requests leave to file an application to appropriate water for the construction of the UPPER PRAIRIE/SILVER/MOORES CREEK FLOOD CONTROL PROJECT – DESIGN PHASE I for the following reasons:
 - a. The proposed project is for a non-consumptive use. As requested by the US Fish and Wildlife Service, The Consumptive Use Calculator, developed by the USDA Natural Resources Conservation Service was used to calculate pre- and post-construction consumptive use. The annual consumptive use is reduced by 450 acre-feet (a 15.7 percent decrease in consumptive use). Construction of this project will have a net increase in the amount of flow to the Platte River.
 - b. There is a public safety issue that must be addressed and the proposed project addresses this issue. Construction of this project will provide protection from the 100 year flood to more than 1,500 homes and 55 businesses in northern and western Grand Island. This project will also protect farmland, roads and bridges from flood waters as well as remove portions of Hall County from the FEMA Floodplain.
 - c. That a copy of said Application For a Permit to Impound Water is attached hereto, marked as “Exhibit D”, and incorporated by reference as if fully set forth herein.
3. The extent of DESIGN PHASE I, includes the construction of four cells; SCLL3, SCLL4, SCLL5, and SCLL7 as shown in “Exhibit C” Construction will be over a period of 3 years with completion in 2010. Cells SCLL5 and SCLL7 will be constructed first.
4. Water will be able to flow unimpeded between the cells.

State of Nebraska
Department of
Natural Resources
CORRECTED Filed in the Department of
Natural Resources at 8:05
O'clock A M. this 1st
day of November, 2006
Mary Louw

5. Cells will only detain water on precipitation events that exceed the 2-year event.

WHEREFORE, the undersigned specifically requests that the Department grant leave to Petitioner to file the attached Application For a Permit to Appropriate Water and for approval of said Application.

DATED this 18th day of October, 2006

CENTRAL PLATTE NATURAL RESOURCES DISTRICT, Petitioner

By:

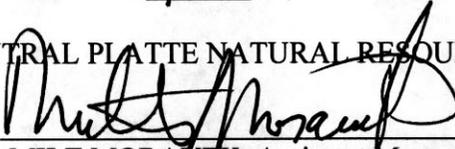
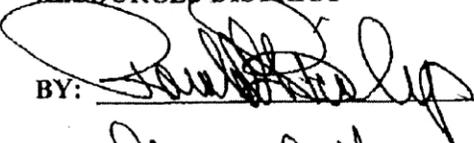

MILT MORAVEK, Assistant Manager CPNRD

EXHIBIT B

200608646
GRANTEE ACCEPTANCE

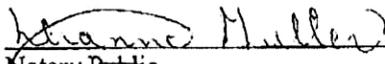
CENTRAL PLATTE NATURAL RESOURCES DISTRICT, GRANTEE, hereby accepts this Quitclaim Deed and the property described therein for itself, its successors and assigns, subject to all of the notices, agreements, reservations, restrictions, conditions, covenants, exceptions, and terms contained therein, this 22nd day of June 2006.

**CENTRAL PLATTE NATURAL
RESOURCES DISTRICT**

BY: 
TITLE: General Manager

STATE OF NEBRASKA)
) ss
COUNTY OF HALL)

The foregoing Quitclaim Deed was acknowledged before me this 22nd day of June 2006, by Ronald G Bishop.


Notary Public

My commission expires: 12/5/09

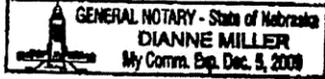
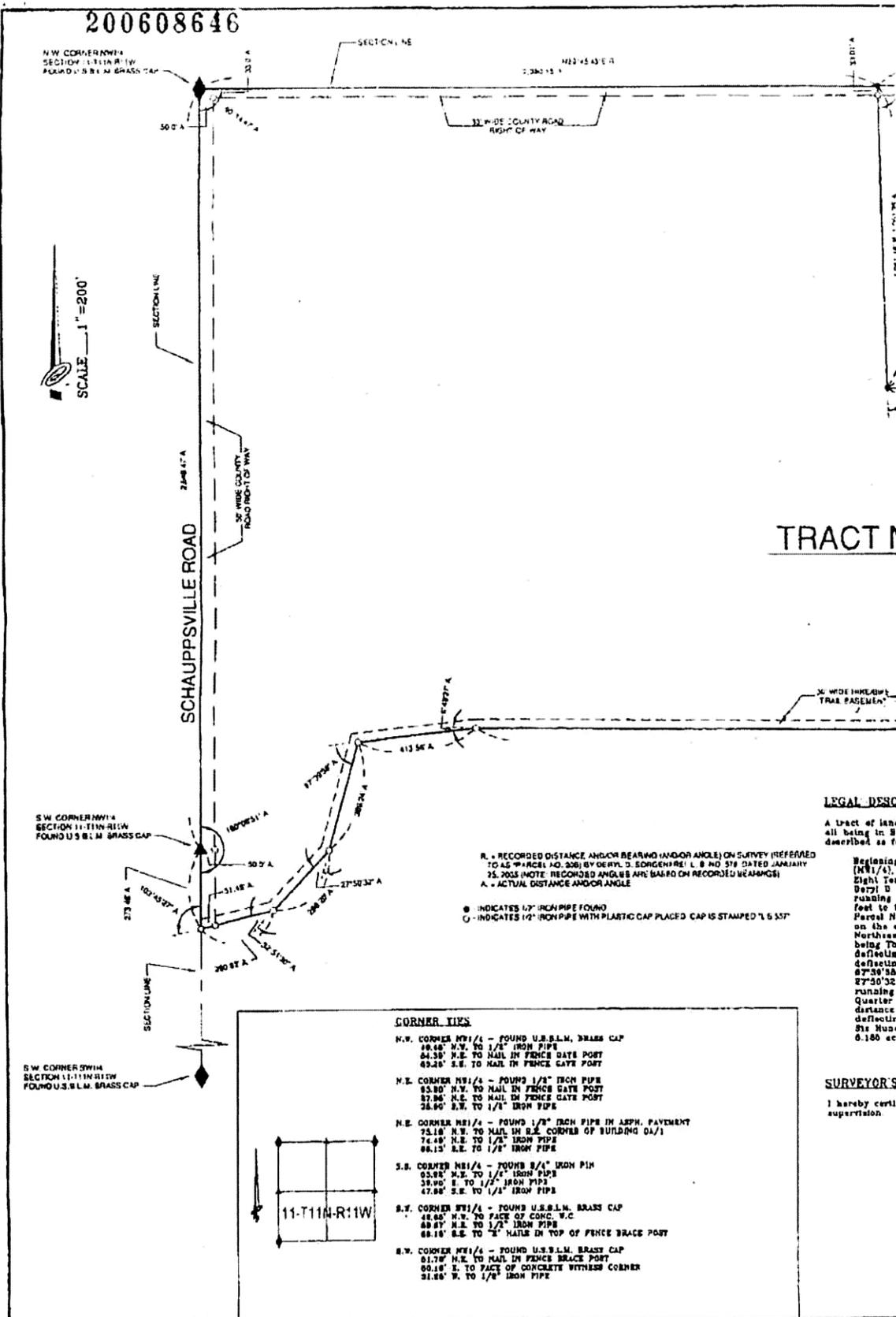


EXHIBIT B

200608646



TRACT M

LEGAL DESC

A tract of land all being in B described as to

Beginning (N81/4), Eight Ten Detry D running 1 foot to E Parcel No on the e Northwest being the deflection deflection 87°50'38" 87°50'32" running Quarter distance deflection 2 1/2 Mudd 0.180 acr

R = RECORDED DISTANCE AND/OR BEARING AND/OR ANGLE ON SURVEY (REFERRED TO AS PARCEL NO. 308) BY GUYLL S. EDGECREFT L.S. NO. 378 DATED JANUARY 25, 2005 (NOTE: RECORDED ANGLES ARE BASED ON RECORDED BEARINGS)
 A = ACTUAL DISTANCE AND/OR ANGLE

● INDICATES 1/2" IRON PIPE FOUND
 ○ INDICATES 1/2" IRON PIPE WITH PLASTIC CAP PLACED CAP IS STAMPED '15 537'

CORNER TIES

- N.W. CORNER N81/4 - FOUND U.S.S.L.M. BRASS CAP
 49.48' N.W. TO 1/2" IRON PIPE
 64.38' N.E. TO NAIL IN FENCE GATE POST
 69.28' N.E. TO NAIL IN FENCE GATE POST
- N.E. CORNER N81/4 - FOUND 1/2" IRON PIPE
 83.80' N.W. TO NAIL IN FENCE GATE POST
 87.86' N.E. TO NAIL IN FENCE GATE POST
 28.90' S.W. TO 1/2" IRON PIPE
- N.E. CORNER N81/4 - FOUND 1/2" IRON PIPE IN ASPH. PAVEMENT
 73.18' N.W. TO NAIL IN S.E. CORNER OF BUILDING 0A/1
 74.48' N.E. TO 1/2" IRON PIPE
 84.13' N.E. TO 1/2" IRON PIPE
- S.E. CORNER N81/4 - FOUND 8/16" IRON PIN
 62.88' N.E. TO 1/2" IRON PIPE
 38.90' E. TO 1/2" IRON PIPE
 47.88' S.E. TO 1/2" IRON PIPE
- S.W. CORNER N81/4 - FOUND U.S.S.L.M. BRASS CAP
 42.48' N.W. TO FACE OF CONC. V.C.
 49.87' N.E. TO 1/2" IRON PIPE
 68.18' S.E. TO "X" NAIL IN TOP OF FENCE BRACE POST
- S.W. CORNER N81/4 - FOUND U.S.S.L.M. BRASS CAP
 81.78' N.E. TO NAIL IN FENCE BRACE POST
 62.18' E. TO FACE OF CONCRETE WITNESS CORNER
 31.88' W. TO 1/2" IRON PIPE



SURVEYOR'S

I hereby certify supervision

EXHIBIT B

608646

200608646

GAME AND PARKS)
R QUITCLAIM DEED
BOOK 166, PAGE 443
OF DEEDS OFFICE

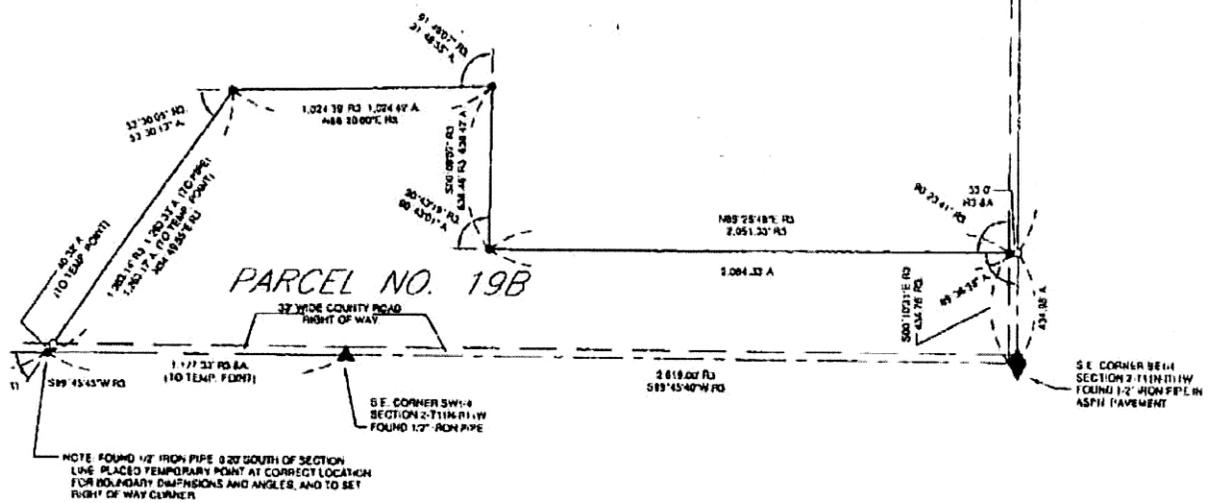
TRACT NO. 1

3,200.0' R1
3,188.43' R1

3,190.21' R2 AA

2,061.76' R2

TRACT NO. 19A



LL.W. BRASS CAP S GATE POST GATE POST	N.E. CORNER SE 1/4 - FOUND 1 1/2" IRON PIN 63.89' N.W.E. TO NAIL IN 18" TREE 68.58' N.E. TO NAIL IN 42" TREE 63.86' S.W.E. TO NAIL IN 48" TREE
LL.W. BRASS CAP BRACE POST BRACE POST	S.E. CORNER SE 1/4 - FOUND 1/2" IRON PIPE IN ASPH PAVEMENT 79.18' N.W. TO NAIL IN S.E. CORNER OF BUILDING DA/1 76.88' N.E. TO 1/2" IRON PIPE 66.18' S.E. TO 1/2" IRON PIPE
HOUSTON" ALUMINUM POLE ON TOP END OF CMP OR ON TOP END OF CMP	S.E. CORNER SE 1/4 - FOUND 1/2" IRON PIPE 63.30' N.W. TO NAIL IN FENCE GATE POST 87.80' N.E. TO NAIL IN FENCE GATE POST 66.90' S.W. TO 1/2" IRON PIPE
HOUSTON" ALUMINUM POLE CORNER POST CUT	

LEGAL
A TRAC
(NONE)
Being
County

SURVEY
I hereat
account

EXHIBIT B

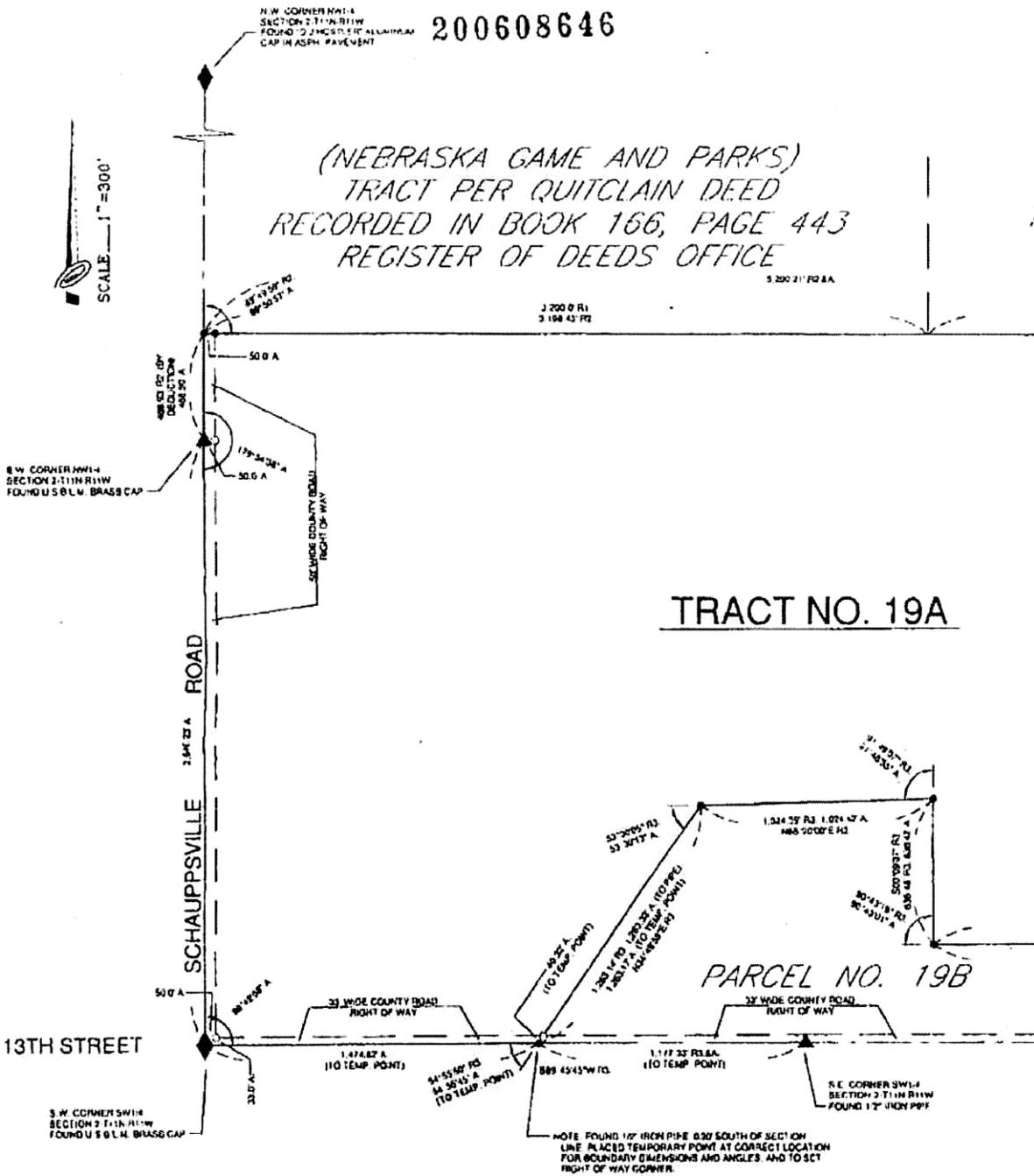
200608646

(NEBRASKA GAME AND PARKS)
TRACT PER QUITCLAIM DEED
RECORDED IN BOOK 166, PAGE 443
REGISTER OF DEEDS OFFICE

5.200 21' 02" 8A.

3 200 0 R1
3 198 43 P2

SCALE 1" = 300'



CORNER TIES

- N.W. CORNER SW1/4 - FOUND U.S.B.L.M. BRASS CAP
44.18' N.W. TO 1/2" IRON PIPE
61.88' N.E. TO NAIL IN FENCE GATE POST
65.26' S.E. TO NAIL IN FENCE GATE POST
- S.W. CORNER NW1/4 - FOUND U.S.B.L.M. BRASS CAP
28.90' V. TO 1/8" IRON PIPE
57.10' N.E. TO NAIL IN FENCE BRACE POST
58.44' S.E. TO NAIL IN FENCE BRACE POST
- N.E. CORNER NE1/4 - FOUND "D J HOSTLER" ALUMINUM CAP IN ASPH. PAVEMENT
48.88' N.W. TO NAIL IN POWER POLE
43.43' S.E. TO CHISELED MARK ON TOP END OF CAP
57.30' S.S.W. TO CHISELED MARK ON TOP END OF CAP
- S.E. CORNER SE1/4 - FOUND "D J HOSTLER" ALUMINUM CAP IN ASPH. PAVEMENT
48.84' N.E. TO NAIL IN POWER POLE
54.90' S.E. TO NAIL IN FENCE CORNER POST
61.77' S.W. TO NAIL CORNER POST

- N.E. CORNER SE1/4 - FOUND 1 1/4" IRON PIN
65.88' N.N.E. TO NAIL IN 42" TREE
48.38' N.E. TO NAIL IN 42" TREE
65.56' S.W. TO NAIL IN 42" TREE
- S.E. CORNER SE1/4 - FOUND 1/8" IRON PIPE IN ASPH. PAVEMENT
79.18' N.W. TO NAIL IN S.E. CORNER OF BUILDING DA/1
74.49' N.E. TO 1/2" IRON PIPE
66.13' S.E. TO 1/4" IRON PIPE
- S.E. CORNER SW1/4 - FOUND 1/2" IRON PIPE
63.30' N.W. TO NAIL IN FENCE GATE POST
57.00' N.E. TO NAIL IN FENCE GATE POST
56.50' S.W. TO 1/4" IRON PIPE

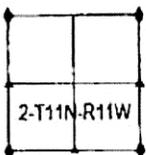
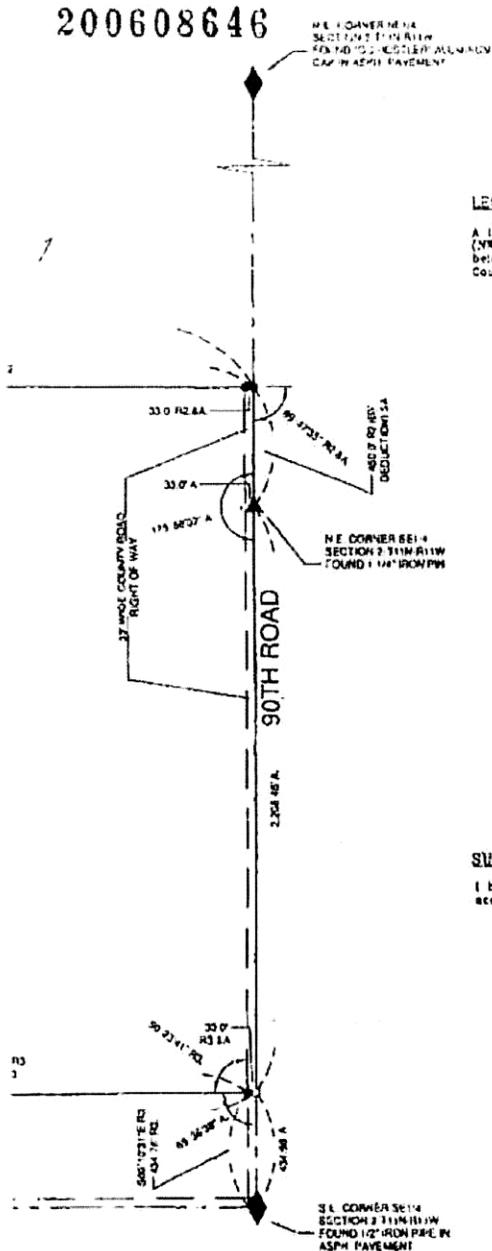


EXHIBIT B

200608646



- R - RECORDED DISTANCE ON QUITCLAIM DEED RECORDED IN BOOKING PAGE 443 HALL COUNTY REGISTER
- OF RECORDS OFFICE (STATE GAME AND PARKS TRACT)
- R - RECORDED DISTANCE AND/OR ANGLE ON SURVEY REFERRED TO AS TRACT NO. 118 BY LEE D. WAGNER
- S - NO. 187 DATED OCTOBER 29, 2004
- F - RECORDED DISTANCE AND/OR BEARING AND/OR ANGLE BY DEPT. D. SCHEFFELLS NO. 578 DATED JANUARY 15, 2003 (NOTE: RECORDED ANGLES ARE BASED ON RECORDED BEARINGS)
- 7 - ACTUAL DISTANCE AND/OR ANGLE

- INDICATES 1/2\"
- INDICATES 1/2\"

LEGAL DESCRIPTION

A tract of land comprising a part of the Southwest Quarter (SW1/4), a part of the Northwest Quarter (NW1/4), a part of the Northeast Quarter (NE1/4), and a part of the Southeast Quarter (SE1/4), all being in Section Two (2), Township Eleven (11) North, Range Eleven (11) East of the 6th P.M., Hall County, Nebraska, and more particularly described as follows:

Beginning at the southwest corner of said Southwest Quarter (SW1/4); thence running northerly, along and upon the west line of said Southwest Quarter (SW1/4), a distance of Two Thousand Six Hundred Forty Six and Twenty Three Hundredths (2,646.23) feet to the southwest corner of said Northwest Quarter (NW1/4); thence deflecting right 00°09'28" and running northerly, along and upon the west line of said Northwest Quarter (NW1/4), a distance of Four Hundred Sixty Eight and Nine Tenths (468.90) feet to the southwest corner of a tract (State of Nebraska Game and Parks Commission property) recorded in Book 166, Page 443, Hall County of Register of Deeds Office; thence deflecting right 09°40'57" and running easterly, along and upon the south line of said Nebraska Game and Parks Commission tract, and along and upon the south line of a survey by Lee D. Wagner, L. S. No. 857, dated October 29, 2004, said survey being referred to as Tract No. 1, a distance of Five Thousand Two Hundred Ninety and Twenty One Hundredths (5,209.21) feet to the southeast corner of said Tract No. 1, said point also being on the east line of said Northeast Quarter (NE1/4); thence deflecting right 09°47'36" and running southerly, along and upon the east line of said Northeast Quarter (NE1/4), a distance of Four Hundred Fifty (450.0) feet to the northeast corner of said Southeast Quarter (SE1/4); thence deflecting right 00°01'58" and running southerly, along and upon the east line of said Southeast Quarter (SE1/4), a distance of Two Thousand Two Hundred Eight and Forty Two Hundredths (2,208.42) feet to a point on the easterly prolongation of a north line of a survey by Verly D. Sengstrolch, L. S. No. 870, dated January 25, 2006, said survey being referred to as Parcel No. 198; thence deflecting right 89°36'36" and running westerly, along and upon the easterly prolongation of a north line of said Parcel No. 198 and along and upon a north line of said Parcel No. 198, a distance of Two Thousand Eighty Four and Thirty Three Hundredths (2,804.33) feet to a corner of said Parcel No. 198; thence deflecting right 90°43'01" and running northerly, along and upon an east line of said Parcel No. 198, a distance of Six Hundred Thirty Six and Forty Two Hundredths (636.42) feet to a northeast corner of said Parcel No. 198; thence deflecting left 91°46'55" and running westerly, along and upon the north line of said Parcel No. 198, a distance of One Thousand Twenty Four and Forty Two Hundredths (1,024.42) feet to the northwest corner of said Parcel No. 198; thence deflecting left 88°30'13" and running southwesterly, along and upon the northwest line of said Parcel No. 198, a distance of One Thousand Two Hundred Sixty Three and Seventeen Hundredths (1,263.17) feet to the southwest corner of said Parcel No. 198, said point also being on the south line of said Southwest Quarter (SW1/4); thence deflecting right 94°55'45" and running westerly, along and upon the south line of said Southwest Quarter (SW1/4), a distance of One Thousand Four Hundred Seventy Four and Sixty Two Hundredths (1,474.62) feet to the point of beginning and containing 328.851 acres, more or less, of which, 8.878 acres, more or less, is presently occupied by public road right of way.

SURVEYOR'S CERTIFICATE

I hereby certify that to the best of my knowledge and belief, the accompanying plat is from an accurate survey of the described property made under my supervision.

Lee D. Wagner, Registered Land Surveyor No. 85

EXHIBIT "A-1" ATTACHED TO AND MADE A PART OF QUITCLAIM DEED

PART OF THE SW1/4, NW1/4, NE1/4 & SE1/4 OF SECTION 2-T11N-R11W, HALL COUNTY, NEBRASKA	CLAP 19A-19
	04-04-06
LAND SURVEY	L.W.
BENJAMIN & ASSOCIATES, INC. ENGINEERS & SURVEYORS P. O. BOX 339 - PHONE 887-8188 - AREA CODE 808 GRAND ISLAND, NEBRASKA 68802-0339	

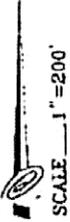
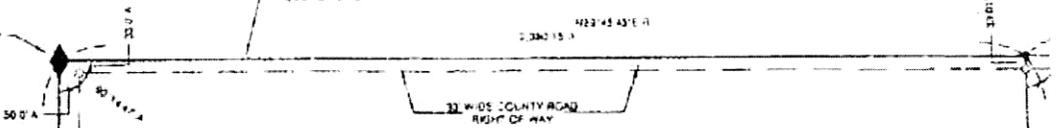
TRACT NO. 19A

200608646

EXHIBIT B

200608646

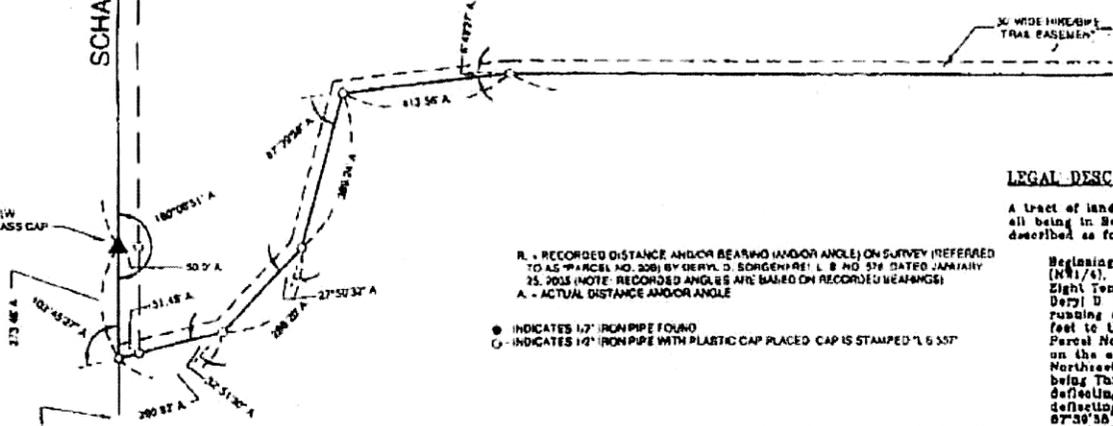
N.W. CORNER NW1/4
SECTION 11-T11N-R11W
FOUND U.S.B.L.M. BRASS CAP



SCHAUPPSVILLE ROAD

TRACT M

S.W. CORNER NW1/4
SECTION 11-T11N-R11W
FOUND U.S.B.L.M. BRASS CAP



R. - RECORDED DISTANCE AND/OR BEARING (AND/OR ANGLE) ON SURVEY (REFERRED TO AS PARCEL NO. 208) BY GERRY D. SOEGENHAF, L.S. NO. 574 DATED JANUARY 25, 2015 (NOTE: RECORDED ANGLES ARE BASED ON RECORDED BEARINGS)
A. - ACTUAL DISTANCE AND/OR ANGLE

● INDICATES 1/2" IRON PIPE FOUND
○ INDICATES 1/2" IRON PIPE WITH PLASTIC CAP PLACED. CAP IS STAMPED "L 6 537"

LEGAL DESC

A Tract of land all being in B described as follows:

Beginning (NW1/4), Eight (8) Acres, more or less, Parcel No. on the e Northeast being the deflection, deflection 87°30'32" running Quarter distance deflection Six (6) Hundred 6.180 ac

SURVEYOR'S

I hereby certify supervision

CORNER TIES

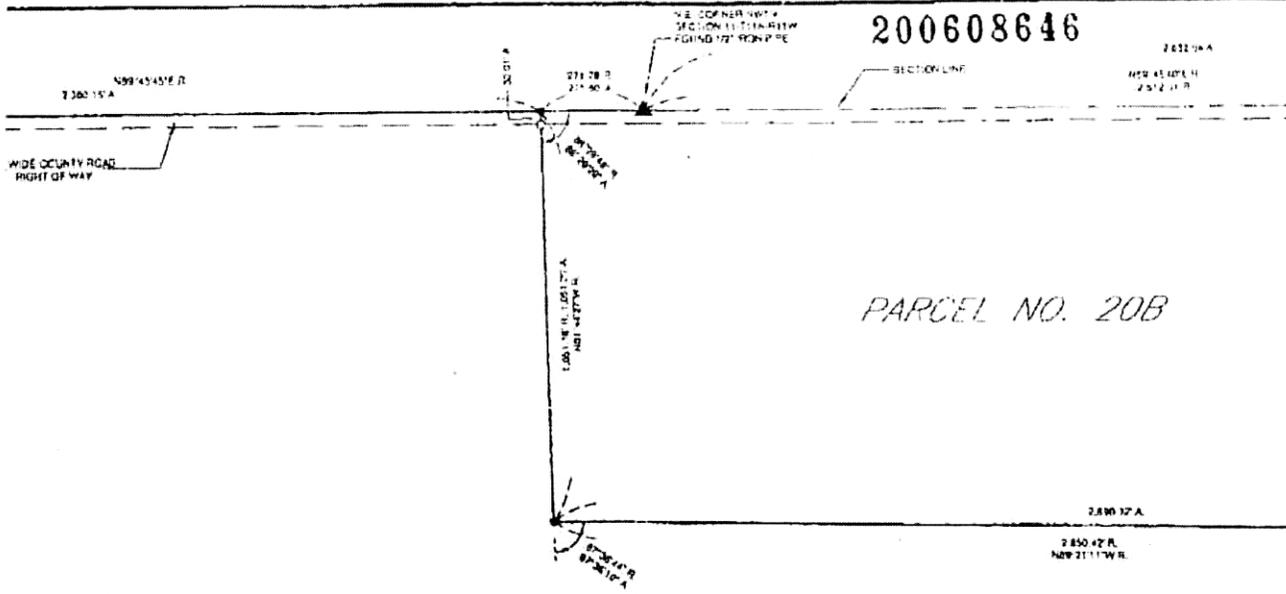
- N.W. CORNER NW1/4 - FOUND U.S.B.L.M. BRASS CAP
49.46' N.W. TO 1/2" IRON PIPE
64.35' N.E. TO NAIL IN FENCE GATE POST
63.25' S.E. TO NAIL IN FENCE GATE POST
- N.E. CORNER NW1/4 - FOUND 1/2" IRON PIPE
83.80' N.W. TO NAIL IN FENCE GATE POST
87.86' N.E. TO NAIL IN FENCE GATE POST
38.60' S.W. TO 1/2" IRON PIPE
- N.E. CORNER NW1/4 - FOUND 1/2" IRON PIPE IN ASPH. PAVEMENT
73.18' N.W. TO NAIL IN S.E. CORNER OF BUILDING DA/1
74.48' N.E. TO 1/2" IRON PIPE
64.15' S.E. TO 1/2" IRON PIPE
- S.S. CORNER NW1/4 - FOUND 3/4" IRON PIN
63.95' N.E. TO 1/2" IRON PIPE
39.90' E. TO 1/2" IRON PIPE
47.88' S.E. TO 1/2" IRON PIPE
- S.E. CORNER NW1/4 - FOUND U.S.B.L.M. BRASS CAP
48.40' N.W. TO FACE OF CONC. W.C.
69.61' N.E. TO 1/2" IRON PIPE
68.18' S.E. TO "X" NAIL IN TOP OF FENCE BRACE POST
- S.W. CORNER NW1/4 - FOUND U.S.B.L.M. BRASS CAP
61.75' N.E. TO NAIL IN FENCE BRACE POST
60.18' E. TO FACE OF CONCRETE WITNESS CORNER
31.88' S. TO 1/2" IRON PIPE



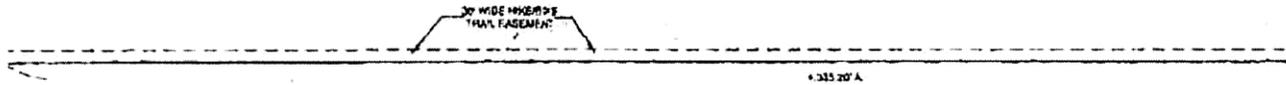
11-T11N-R11W

S.W. CORNER SW1/4
SECTION 11-T11N-R11W
FOUND U.S.B.L.M. BRASS CAP

EXHIBIT B



TRACT NO. 20A



LEGAL DESCRIPTION

A tract of land comprising a part of the Northwest Quarter (NW1/4), a part of the Northeast Quarter (NE1/4), and a part of the Southeast Quarter (SE1/4) of Section Eleven (11), Township Eleven (11) North, Range Eleven (11) West of the 6th P.M., Hill County, Mo. described as follows:

B. - RECORDED DISTANCE AND/OR BEARING (AND/OR ANGLE) ON SURVEY REFERRED TO AS PARCEL NO. 20B BY CERYL G. SORENSEN, L. S. NO. 576 DATED JANUARY 25, 2005 (NOTE: RECORDED ANGLES ARE BASED ON RECORDED BEARINGS)
 A. - ACTUAL DISTANCE AND/OR ANGLE

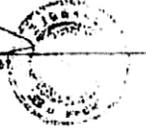
INDICATES 1/2" IRON PIPE FOUND
 INDICATES 1/2" IRON PIPE WITH PLASTIC CAP PLACED CAP IS STAMPED T.S. 557

Beginning at the northwest corner of said Northwest Quarter (NW1/4); thence running easterly, along and upon the (NW1/4), a distance of Two Thousand Three Hundred Eighty and Fifteen Hundredths (2,380.15) feet to a point one Eight Yards (7.62) feet west of the northeast corner of said Northwest Quarter (NW1/4), said point also being a point of said Parcel No. 20B; thence running southerly, along and upon the west line of said Parcel No. 20B, a distance of One Thousand Fifty One feet to the southwest corner of said Parcel No. 20B; thence deflecting left 87°36'10" and running easterly, along Parcel No. 20B and its easterly prolongation, a distance of Two Thousand Eight Hundred Ninety and Thirty Two Feet on the east line of said Northwest Quarter (NW1/4), thence deflecting right 88°28'06" and running southerly, along the Northwest Quarter (NE1/4), a distance of One Thousand One Hundred Sixty Seven and Sixty Three Hundredths (1,167.33) feet to the southeast corner of said Parcel No. 20B; thence deflecting left 87°36'10" and running easterly, a distance of Four Thousand Three Hundred Thirty Five and deflected left 88°49'27" and running westerly, a distance of Four Hundred Thirteen and Fifty Six Hundredths (436.92) feet to the southeast corner of said Parcel No. 20B; thence deflecting right 90°03'45" and running westerly, a distance of Two Hundred Eighty Six and Two Tenths (286.20) feet; thence deflecting left 87°36'10" and running southerly, a distance of Three Hundred Eighty Nine and Twenty Four Hundredths (389.24) feet to the southeast corner of said Parcel No. 20B; thence deflecting right 87°36'10" and running northerly, along and upon the west line of said Parcel No. 20B, a distance of One Thousand One Hundred Sixty Seven and Sixty Three Hundredths (1,167.33) feet to the point of beginning and containing 20 6.166 acres, more or less, is presently occupied by public road right of way.

SURVEYOR'S CERTIFICATE

I hereby certify that to the best of my knowledge and belief, the accompanying plat is from an accurate survey of the supervision.

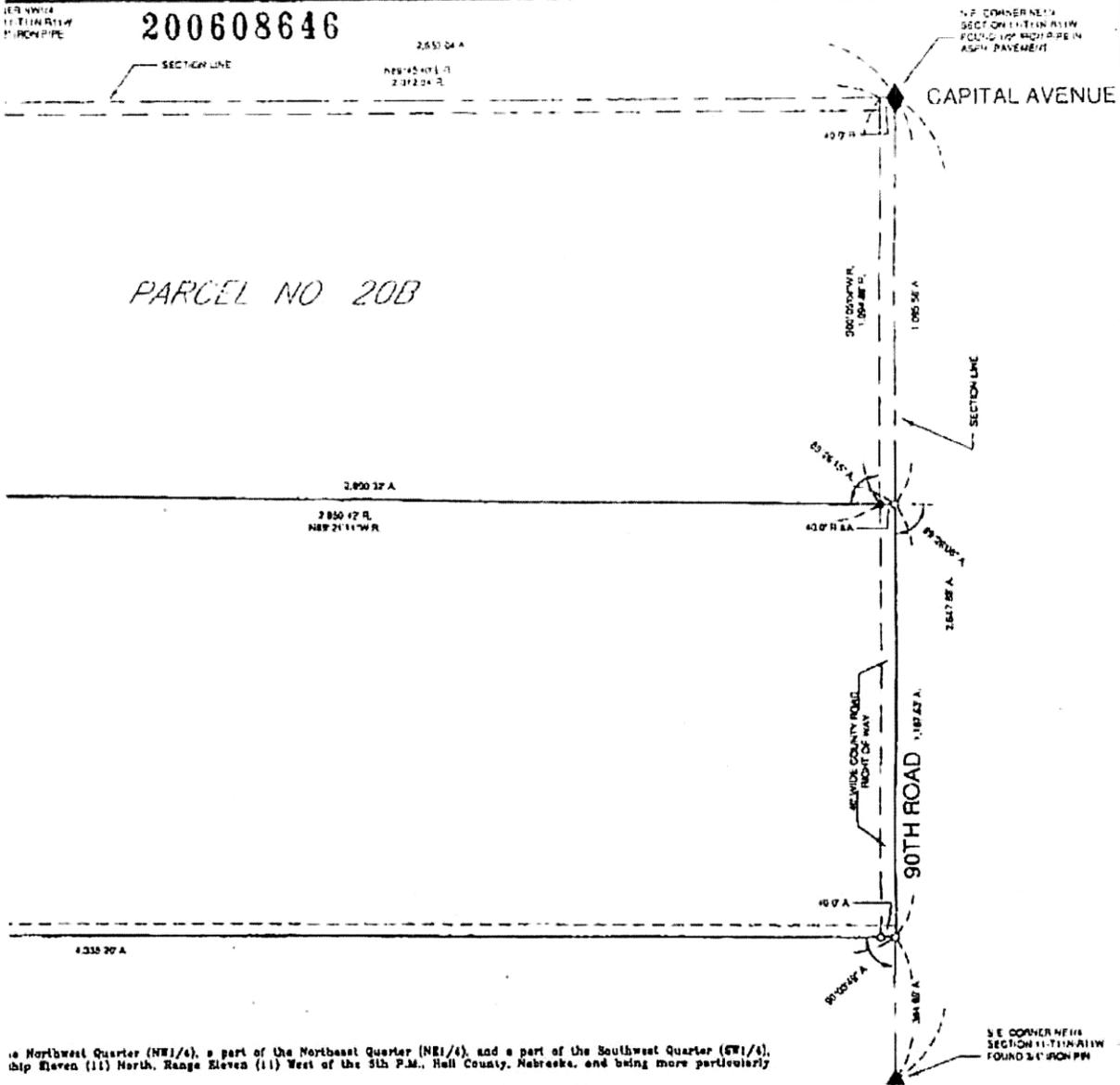
Leo D. Wagner, Registered Land Surveyor No. 567



- 1 - FOUND U.S.B.L.M. BRASS CAP
- 1 1/2" IRON PIPE
- 1 NAIL IN FENCE GATE POST
- 1 NAIL IN FENCE GATE POST
- 1 - FOUND 1/2" IRON PIPE
- 1 NAIL IN FENCE GATE POST
- 1 NAIL IN FENCE GATE POST
- 1 1/2" IRON PIPE
- 1 - FOUND 1/2" IRON PIPE IN ASPH. PAVEMENT
- 0 NAIL IN S.E. CORNER OF BUILDING DA/1
- 1 1/2" IRON PIPE
- 1 1/2" IRON PIPE
- 1 - FOUND 3/4" IRON PIN
- 1 1/2" IRON PIPE
- 1 1/2" IRON PIPE
- 1 1/2" IRON PIPE
- 1 - FOUND U.S.B.L.M. BRASS CAP
- 0 FACE OF CONC. E.C.
- 0 1/2" IRON PIPE
- 1 1/2" NAILS IN TOP OF FENCE BRACE POST
- 1 - FOUND U.S.B.L.M. BRASS CAP
- 0 NAIL IN FENCE BRACE POST
- FACE OF CONCRETE WITHERS CORNER
- 1/2" IRON PIPE

TRAC

EXHIBIT B



200608646

is Northwest Quarter (NW1/4), a part of the Northeast Quarter (NE1/4), and a part of the Southwest Quarter (SW1/4), Township Eleven (11) North, Range Eleven (11) West of the 5th P.M., Hall County, Nebraska, and being more particularly

of said Northwest Quarter (NW1/4); thence running easterly, along and upon the north line of said Northwest Quarter and Three Hundred Eighty and Fifteen Hundredths (2,380.15) feet to a point which is Two Hundred Seventy One and the northeast corner of said Northwest Quarter (NW1/4), said point also being the northwest corner of a survey by me, dated January 25, 2005, said survey being referred to as Parcel No. 20B; thence deflecting right 88°20'28" and on the west line of said Parcel No. 20B, a distance of One Thousand Fifty One and Twenty Five Hundredths (1,051.25) feet to the west line of said Parcel No. 20B; thence deflecting left 87°36'18" and running easterly along and upon the south line of said parcel, a distance of Two Thousand Eight Hundred Ninety and Thirty Two Hundredths (2,800.22) feet to a point at Corner (NE1/4), thence deflecting right 88°26'06" and running southerly, along and upon the east line of said parcel, a distance of One Thousand One Hundred Sixty Seven and Sixty Three Hundredths (1,167.63) feet to a point, said point and Sixty Nine Hundredths (364.89) feet north of the southeast corner of said Northwest Quarter (NW1/4); thence running westerly, a distance of Four Thousand Three Hundred Thirty Five and Two Tenths (4,335.20) feet thence running westerly, a distance of Four Hundred Thirteen and Fifty Six Hundredths (433.56) feet; thence deflecting left 71°, a distance of Three Hundred Eighty Nine and Twenty Four Hundredths (389.24) feet; thence deflecting right 32°51'30" and a distance of Two Hundred Eighty Six and Two Tenths (286.20) feet; thence deflecting right 32°51'30" and a distance of Two Hundred Sixty and Eighty Two Hundredths (260.82) feet to a point on the west line of said Southwest Quarter (SW1/4); thence running northerly, along and upon the west line of said Southwest Quarter (SW1/4), a distance of Three and Forty Eight Hundredths (373.48) feet to the southwest corner of said Northwest Quarter (NW1/4); thence running northerly, along and upon the west line of said Northwest Quarter (NW1/4), a distance of Two Thousand Seven Hundredths (2,648.47) feet to the point of beginning and containing 208.785 acres, more or less, of which, really occupied by public road right of way.

EXHIBIT "A-2" ATTACHED TO AND MADE A PART OF QUITCLAIM DEED

In my knowledge and belief, the accompanying plat is from an accurate survey of the described property made under my hand and seal, this 15th day of August, 2005.

Benjamin & Associates, Inc.
 Registrar, Registered Land Surveyor, No. 607

PART OF THE NW1/4, NE1/4 & SW1/4 SECTION 11-T11N-R11W, HALL COUNTY, NEBRASKA	T11N R11W S4-01-04 LW
LAND SURVEY	
BENJAMIN & ASSOCIATES, INC. ENGINEERS & SURVEYORS P. O. BOX 100 - PHONE 688-5408 - AREA CODE 688 GRAND ISLAND, NEBRASKA 68802-0339	

TRACT NO. 20A

EXHIBIT C

UPPER PRARIE/SILVER/MOORES CREEK FLOOD CONTROL PROJECT PHASE I: DETENTION CELLS SCLL3, SCLL4, SCLL5, SCLL7



EXHIBIT D

APPLICATION FOR A PERMIT TO
IMPOUND WATER

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES
APPLICATION FOR A PERMIT TO IMPOUND WATER

INSTRUCTIONS

Complete Items 1 through 11 by typing or printing in ink the appropriate information required. This form must be completed in full. An incomplete or defective application will be returned with 90 days being allowed for resubmission. Failure to resubmit a corrected application within this time period shall cause dismissal of the application and consequent loss of priority.

Engineering drawings and specifications of the project must be submitted with this application and drawings must be in accordance with Department Rules Title 457. Non-refundable filing fees (payable to the Department of Natural Resources) can be computed from the table below and must accompany this application.

For Department Use Only

Filed in the office of the Department of Natural Resources at _____ a.m./p.m. on _____, 20____. Application No. _____ Plan No. _____ Water Division _____ Receipt No. _____ Amount _____

1. Name and address of applicant:

Central Platte Natural Resources District
215 North Kaufman Avenue
Grand Island, NE

Zip code 68803

Telephone No. (308) 385-6282

2. Name and address of owner(s) if different than applicant:

Same as above

Zip code _____

Telephone No. (_____) _____

3. State the purposes for water storage (i.e., irrigation, livestock, erosion control): Flood Control

4. Identify the source of water (name of stream):
Flood waters from Silver Creek

Name adopted for proposed reservoir or pit:
SCLL3, SCLL4, SCLL5, SCLL7

5. State the approximate quantity of water to be impounded: 3,650 acre-feet.

6. Identify the location of the proposed reservoir or pit: County Hall

_____ 1/4 _____ 1/4 Section 1,2,11, Township 11 North, Range 11 E W

7. State the approximate date construction will be completed: Fall 2010
(Applicant should be aware that failure to complete the construction by date set in Order of Approval will cause cancellation of all rights granted.)

8. State the approximate date water will first be impounded: Spring 2010

9. If a canal or pipeline is required to convey water to the proposed reservoir or pit, identify the supply canal headgate or pipeline pump site location: County _____

_____ 1/4 _____ 1/4 Section _____, Township _____ North, Range _____ E W

10. Will this project be constructed under a federal program, receive federal funding, or have federal planning assistance?

No Yes If yes, explain _____

11. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete and accurate.

10-18-06
Date

[Handwritten Signature]
Signature of owner or owner's authorized agent

Forward the application, engineering drawings, specifications and fees to:

State of Nebraska
Department of Natural Resources
301 Centennial Mall South / P.O. Box 94676
Lincoln, Nebraska 68509
(402) 471-2363

FEEES FOR APPLICATIONS TO IMPOUND WATER

Quantity of Water Stored	COST
0-5,000 acre-feet.....	\$25
Each additional 5,000 acre-feet.....	\$10
or fraction thereof	

FEEES FOR EXAMINATION OF DRAWINGS

For each dam regardless of height.....\$10

CONSUMPTIVE USE CALCULATIONS FOR:

UPPER PRAIRIE/SILVER/MOORES CREEK
FLOOD CONTROL PROJECT



PREPARED BY JEO CONSULTING GROUP, INC.

October 13, 2006

Consumptive Use Calculations for Upper Prairie/Silver/Moores Creek Flood Control Project – Silver Creek Lowland Detention Cells

Summary

The Central Platte Natural Resources District, City of Grand Island, Hall County and Merrick County are in the design phase of a flood control project that when constructed will provide protection from the 100 year flood to more than 1,500 homes and 55 businesses in northern and western Grand Island. This project will also protect farmland, roads and bridges from flood waters as well as remove portions of Hall County from the FEMA Floodplain.

The proposed project consists of three phases as shown in Figure 1. These are:

Phase I consists of construction of water detention cells at the former Cornhusker Army Ammunition Plant. The design involves excavation of four cells, approximately 6 to 7 feet in depth and covering approximately 500 acres in total.

Phase II involves construction of (1) an approximately 6-foot high levee to serve as a watershed divide between Silver Creek and Moores Creek to prevent overflows from creating greater flood damage downstream; (2) an approximately 76-foot wide overflow channel to carry flood waters from Prairie Creek to Silver Creek for the purpose of regulating floodwaters; and (3) an approximately 48-foot wide diversion channel between Silver Creek and Moores Creek for similar purposes.

Phase III consists of construction of five floodwater retarding dams located in upland sites in the Prairie Creek and Dry Creek watersheds in Hall and Buffalo Counties for the purpose of reducing peak flows. The dams will be designed to function only when there is greater than 2-year rainfall event, and to release all water within 72 to 100 hours so as not to damage crops or native vegetation located within the flood pool. To minimize impacts most of the dam sites have been located on or near existing roadways or property lines. While 25 sites were evaluated, five preferred locations have been identified based on maximizing storage capacity and minimizing the costs of relocating existing improvements.

Consumptive Use Analysis

It is required that any project funded with federal monies, does not result in depletion of flows to the Platte River of more than 25 acre feet for the months of February through July. This project is not funded with any federal money however; the US Fish and Wildlife Service requested that at the sale of the Cornhusker Army Ammunition Plant land that this also be a requirement for the purchase of the land. This submittal is intended to demonstrate that the project satisfies this requirement by providing site specific estimates of water consumption based on existing and anticipated vegetation using the USDA Natural Resources Conservation Service (NRCS) Consumptive Use Calculator. The model was obtained from the NRCS office in Grand Island Nebraska.

A consumptive use analysis determines existing and future cover types, calculation of evapotranspiration (ET) rates for those cover types, determination of water loss due to the vegetation, and comparison of water loss with and without the project.

The methodology used was that of the NRCS National Engineering Handbook Part 623 Chapter 2 for unstressed cover (crop) types. This consists of determining two curves: the adjusted basal coefficient curve and the reference evapo-transpiration curve. The basal curve is computed using characteristics of the crop's growing season and development in the area in relation to a reference crop, the associated water use for each stage of crop development, wetting intervals of the crop and soil surface, the soil texture, heat capacity of water bodies, and residue on the soil. The reference evapo-transpiration curve is based on the Food and Agricultural Organization's (FAO) temperature method. Using climatic and geographical data a curve associated with a reference crop is produced. This curve is then multiplied by the adjusted Basal curve to estimate the cover types evapo-transpiration at that location.

While the project consists of three phases, this evaluation includes a detailed evaluation of only Phase I because Phases II and III will involve only very minor land use changes that will have no effect on consumptive use. Further, Phases II and III are designed to affect the timing of flows to the Platte River, but not the quantity of flow.

Output from the model for pre- and post-construction conditions is provided at the end of this report.

Existing Conditions

Phase I of the project is located in Sections 1, 2 and 11 of Township 11 North, Range 11 West, Hall County, Nebraska. Existing vegetation on the site consists of cropland, grassland and wooded areas as shown in Figure 2. The wooded areas consist of a mixture of riparian species, including cottonwood, American elm, mulberries, peachleaf willow, box elder, red cedar, wild plum and grey dogwood. For modeling purposes, cropland acres were assumed to consist of 50 percent corn, with the remaining acres divided evenly in soybeans, alfalfa and wheat. The project impact area includes 17.45 acres of wetlands. Table 1 provides water consumption estimates for existing site conditions for the months of February through July.

**Table 1
Consumptive Use:
Existing Conditions**

Cover Type	Area in Acres	Consumptive Use
Crop – Corn	308.4	468.3
Crop – Soybean	102.7	163.8
Crop – Winter Wheat	102.7	157.2
Crop – Alfalfa	102.9	230.2
Grass – Warm Tall	68.8	124.3
Trees – Cottonwood	179.2	575
Wet Cattail/Bulrush	17.45	37.6
<i>February Through July Water Consumption = 1,756.5 Acre Feet</i>		

Proposed Site Conditions

Phase I will involve excavation of approximately 4.5 cubic yards of soil and the regrading of Silver Creek. Excavated soils will be placed at spoil sites A, B and C as shown on Figure 3. Approximately 214 feet of the Silver Creek channel will be filled for the construction of the outlet structure, and 19,000 feet of the channel will be excavated.

After construction, the detention cells and spoil areas will be seeded with mixtures recommended for the site by the Nebraska Statewide Arboretum and Nebraska Game and Parks Commission. The recommended mixtures were selected to provide wildlife benefits.

An estimated 36 acres of wetlands will be constructed on-site for mitigation purposes. The entire 1,000-acre parcel, including the constructed wetlands, will be maintained by CPNRD in perpetuity for flood control, and wetland habitat. The constructed wetlands are proposed to be located within the detention cell areas and will involve construction of several low berms parallel to the Silver Creek channel to retain temporarily flooded conditions after rain events.

Table 2 provides water consumption estimates for proposed site conditions for the months of February through July.

Table 2
Consumptive Use:
Proposed Conditions

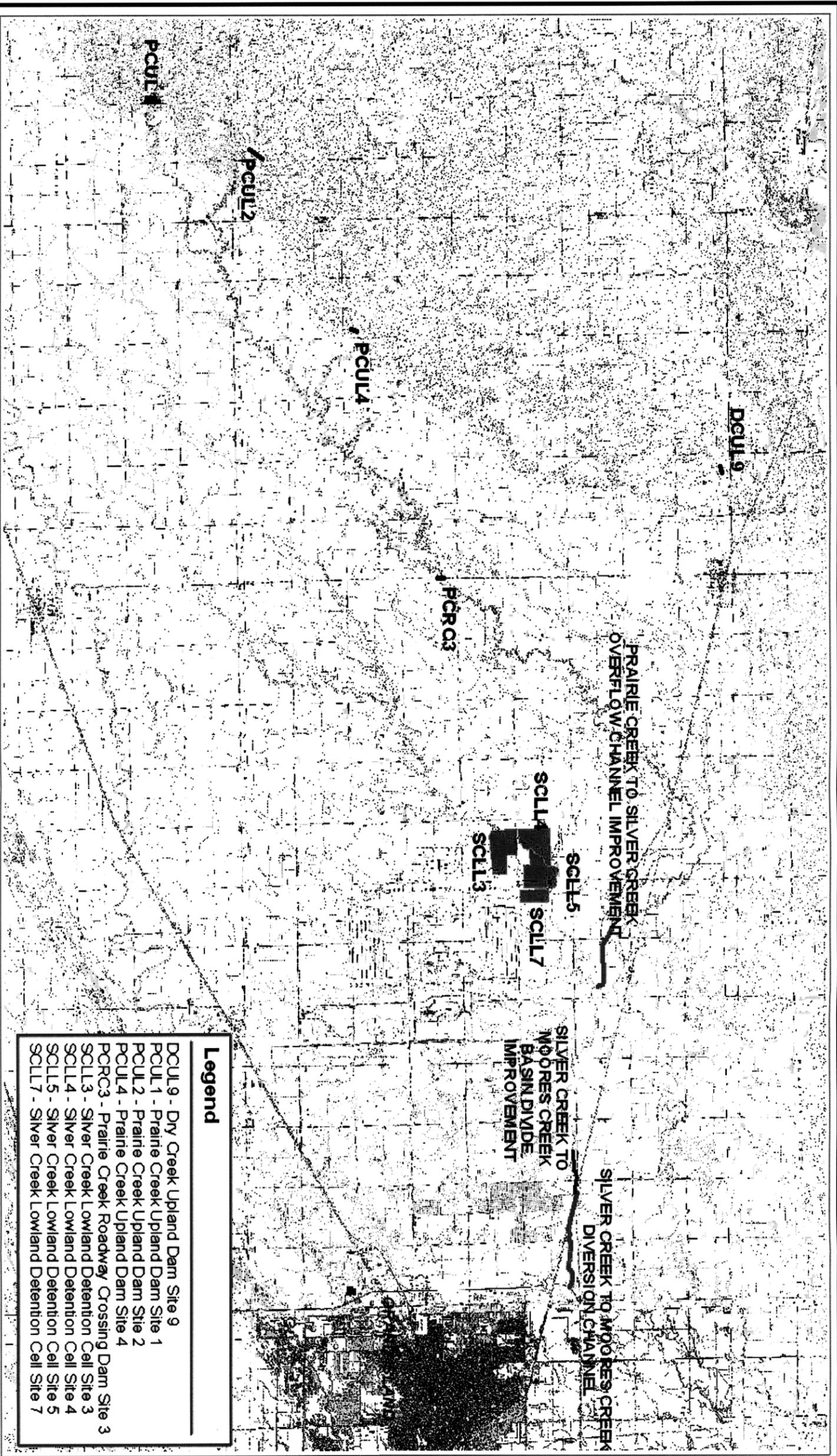
Cover Type	Area in Acres	Consumptive Use
Grass Land – Type A	279.5	446.9
Grass Land – Type B	420.3	759.5
Trees	129.7	240.3
Grass Land (undisturbed)	17.7	30.7
Wetlands	35	75.4
<i>February Though July Water Consumption = 1,552.8 Acre Feet</i>		

Modeling Results:

The existing conditions result in a consumptive use of approximately 1,757 acre feet for the portion of the year of February through July. Post-construction conditions result in a consumptive use of 1,553 acre-feet. This is a gain of 204 acre-feet of water or a 11.6 percent increase. For the entire year, existing conditions result in a consumptive use of 2,864 acre-feet. The post-construction conditions result in consumptive use of 2,413 acre feet.

Conclusions

Post construction conditions will have no net loss of water due to consumptive use by the vegetation. Proposed conditions at the project site result in a reduction of consumptive use of more than 200 acre-feet for the months of February through July. The annual consumptive use is reduced by 450 acre-feet (a 15.7 percent increase). Construction of this project will have a net increase in the amount of flow to the Platte River.



- Legend**
- DCUL9 - Dry Creek Upland Dam Site 9
 - PCUL1 - Prairie Creek Upland Dam Site 1
 - PCUL2 - Prairie Creek Upland Dam Site 2
 - PCUL3 - Prairie Creek Upland Dam Site 3
 - PCUL4 - Prairie Creek Upland Dam Site 4
 - PCRC3 - Prairie Creek Roadway Crossing Dam Site 3
 - SCLL1 - Silver Creek Lowland Detention Cell Site 1
 - SCLL2 - Silver Creek Lowland Detention Cell Site 2
 - SCLL3 - Silver Creek Lowland Detention Cell Site 3
 - SCLL4 - Silver Creek Lowland Detention Cell Site 4
 - SCLL5 - Silver Creek Lowland Detention Cell Site 5
 - SCLL6 - Silver Creek Lowland Detention Cell Site 6
 - SCLL7 - Silver Creek Lowland Detention Cell Site 7



Figure 1
Location of Phase I,
Phase II and Phase III Improvements

Central Platte Natural Resources District
Prairie / Silver / Moores Creek Flood Control Project
Hall and Buffalo Counties, Nebraska

FIGURE 2. EXISTING SITE VEGETATION



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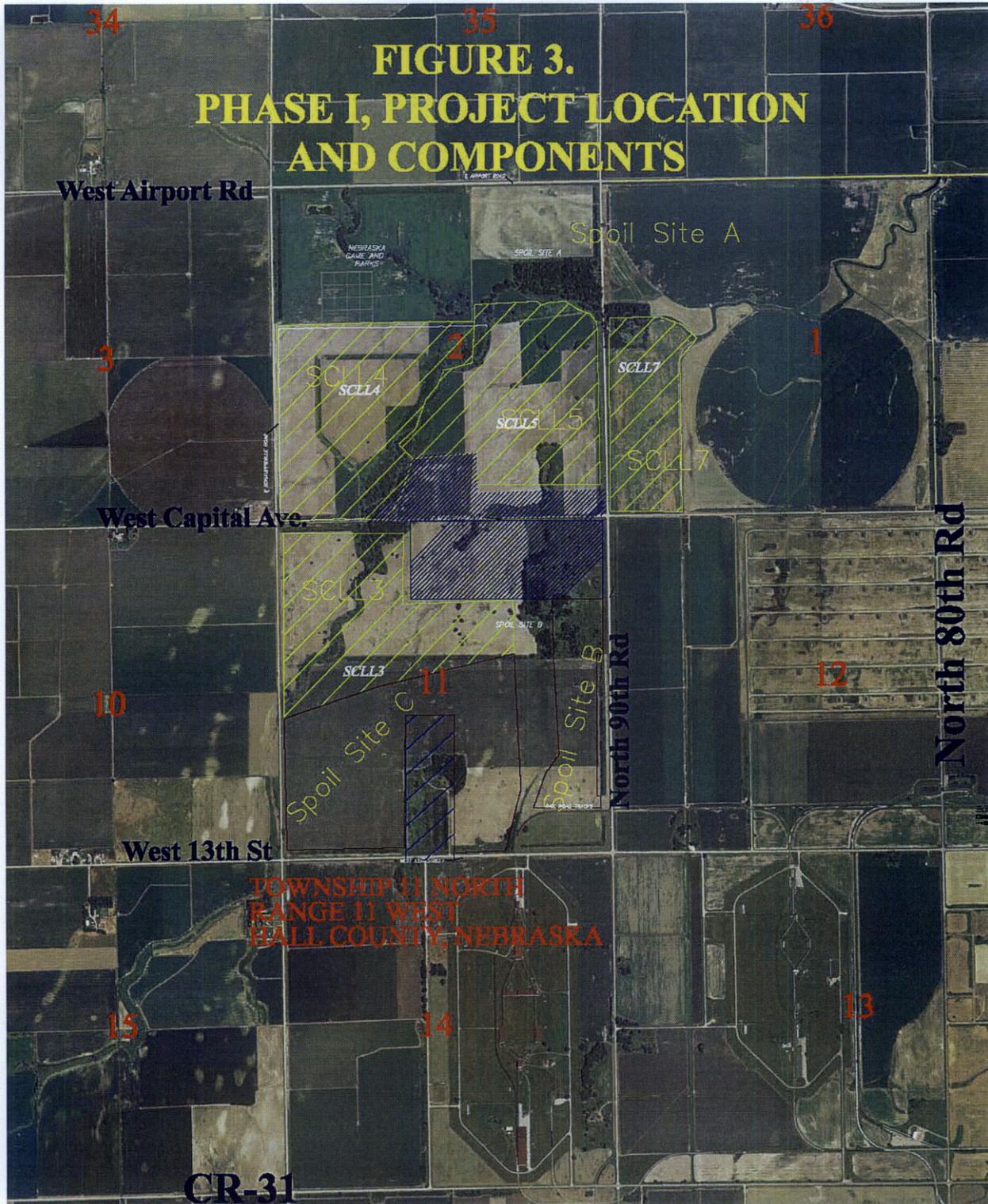
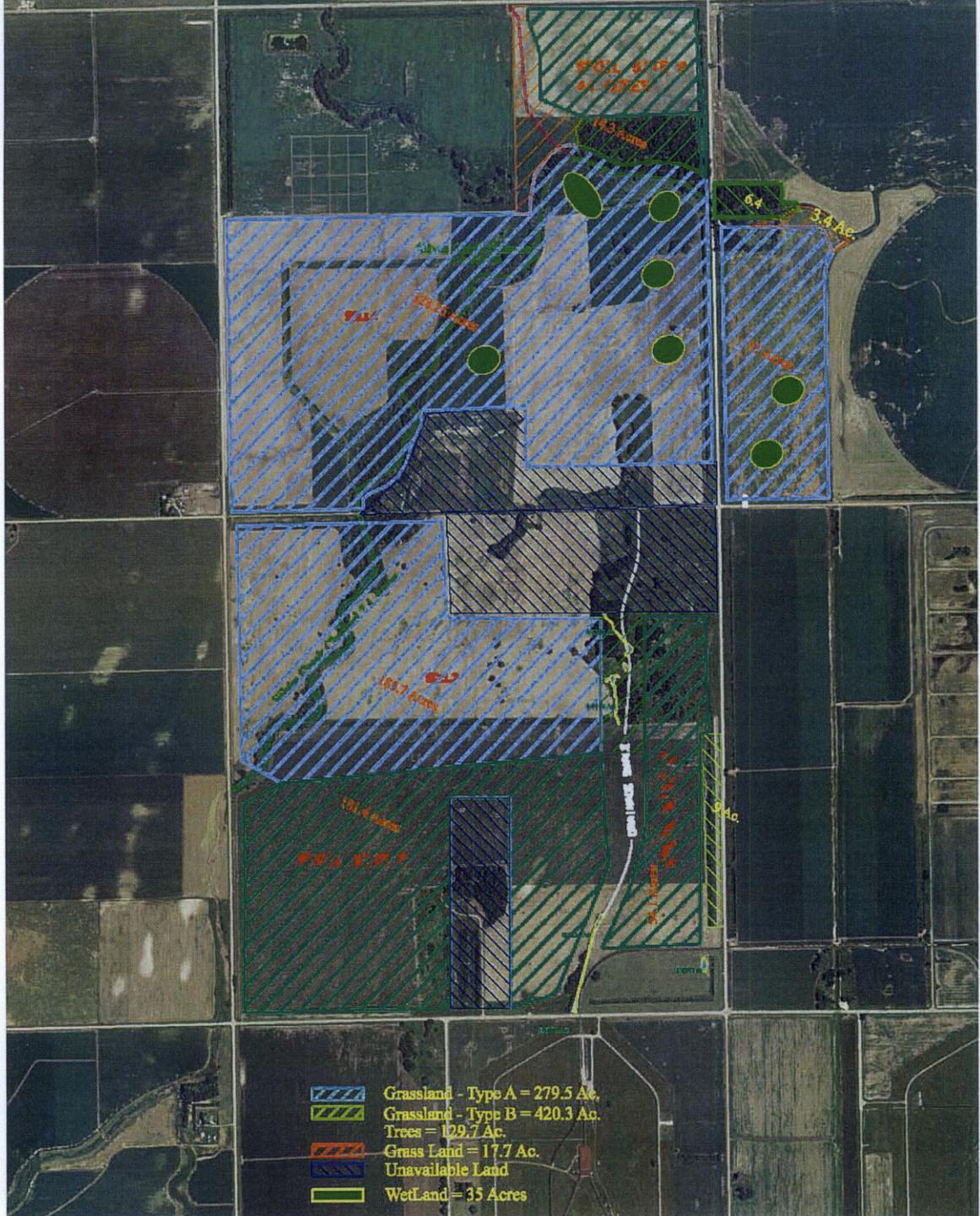


FIGURE 4. POST CONSTRUCTION SITE USAGE



...Water_Depletion_Wetlands.dgn 10/16/2006 8:10:08 AM

ID Detention Cells Date 10/9/2006

Soil Type		Silt Loam		Fw = 1 Rain / Sprinkler															
Area		1		Fw = 0.5 Every Other Row Furrow															
Prior or Post	Prior	Time Weighting		Residue		Days	Wet Int.	Fw	Kcb	Ksoll	Kw	Kw	Ka	Eto	Etc	Evap.			
Month	Cover	Days	Acres	Factor	Month #	%	Residue	(days)	Fraction	cover	soil		(in)	(in)	(acre feet)				
March	C Com	31	308	1	3	40	31	15	1	0.000	0.200	0.000	0.224	0.424	0.053	0.697	17.886		
March	C Soybeans	31	102.7	1	3	40	31	15	1	0.000	0.200	0.000	0.224	0.424	0.053	0.697	5.965		
March	C WinterWheat	31	102.7	1	3	40	0	15	1	1.150	0.000	0.000	0.000	1.150	0.053	1.889	16.171		
March	C Alfalfa	31	102.9	1	3	55	25	15	1	0.465	0.181	0.058	0.203	0.402	0.053	0.660	5.661		
March	Grass Warm Tall	31	68.8	1	3	85	31	15	1	0.000	0.144	0.000	0.161	0.305	0.053	0.501	2.872		
March	Trees.Cottonwood	31	179.2	1	3	50	31	15	1	0.000	0.188	0.000	0.210	0.398	0.053	0.653	9.757		
April	C Com	30	308	1	4	40	30	8	1	0.000	0.200	0.000	0.202	0.402	0.115	1.387	35.588		
April	C Soybeans	30	102.7	1	4	40	30	8	1	0.000	0.200	0.000	0.202	0.402	0.115	1.387	11.866		
April	C WinterWheat	30	102.7	1	4	40	0	8	1	1.135	0.000	0.000	0.000	1.135	0.115	3.916	33.512		
April	C Alfalfa	30	102.9	1	4	55	0	8	1	0.853	0.000	0.030	0.000	0.869	0.115	3.000	25.722		
April	Grass Warm Tall	30	68.8	1	4	85	30	8	1	0.000	0.144	0.000	0.145	0.289	0.115	0.997	5.714		
April	Trees.Cottonwood	30	179.2	1	4	50	15	8	1	0.253	0.188	0.157	0.189	0.362	0.115	1.251	18.675		
May	C Com	31	308	1	5	40	5	5	1	0.253	0.200	0.269	0.252	0.469	0.175	2.544	65.293		
May	C Soybeans	31	102.7	1	5	40	15	5	1	0.253	0.200	0.269	0.252	0.463	0.175	2.509	21.474		
May	C WinterWheat	31	102.7	1	5	40	0	5	1	0.859	0.000	0.051	0.000	0.900	0.175	4.884	41.803		
May	C Alfalfa	31	102.9	1	5	55	0	5	1	1.199	0.000	0.000	0.000	1.199	0.175	6.505	55.777		
May	Grass Warm Tall	31	68.8	1	5	85	0	5	1	0.534	0.000	0.121	0.000	0.588	0.175	3.192	18.303		
May	Trees.Cottonwood	31	179.2	1	5	50	0	5	1	1.376	0.000	0.000	0.000	1.376	0.175	7.468	111.474		
June	C Com	30	308	1	6	40	0	6	1	0.493	0.000	0.152	0.000	0.611	0.245	4.493	115.322		
June	C Soybeans	30	102.7	1	6	40	0	6	1	0.525	0.000	0.143	0.000	0.636	0.245	4.673	39.896		
June	C WinterWheat	30	102.7	1	6	40	0	6	1	0.495	0.000	0.152	0.000	0.613	0.245	4.504	38.550		
June	C Alfalfa	30	102.9	1	6	55	0	6	1	0.879	0.000	0.033	0.000	0.901	0.245	6.521	56.774		
June	Grass Warm Tall	30	68.8	1	6	85	0	6	1	1.050	0.000	0.000	0.000	1.050	0.245	7.718	44.247		
June	Trees.Cottonwood	30	179.2	1	6	50	0	6	1	1.800	0.000	0.000	0.000	1.800	0.245	13.230	197.868		
July	C Com	31	308	1	7	40	0	8	1	1.033	0.000	0.000	0.000	1.033	0.285	9.127	234.248		
July	C Soybeans	31	102.7	1	7	40	0	8	1	1.118	0.000	0.000	0.000	1.118	0.285	9.878	84.535		
July	C WinterWheat	31	102.7	1	7	40	26	8	1	0.280	0.200	0.162	0.153	0.360	0.285	3.177	27.189		
July	C Alfalfa	31	102.9	1	7	55	0	8	1	1.139	0.000	0.000	0.000	1.139	0.285	10.063	86.291		
July	Grass Warm Tall	31	68.8	1	7	85	0	8	1	1.050	0.000	0.000	0.000	1.050	0.285	9.277	53.187		
July	Trees.Cottonwood	31	179.2	1	7	50	0	8	1	1.800	0.000	0.000	0.000	1.800	0.285	15.903	237.485		
August	C Com	31	308	1	8	40	0	10	1	1.150	0.000	0.000	0.000	1.150	0.242	8.627	221.434		
August	C Soybeans	31	102.7	1	8	40	0	10	1	1.150	0.000	0.000	0.000	1.150	0.242	8.627	73.835		
August	C WinterWheat	31	102.7	1	8	40	31	10	1	0.000	0.200	0.000	0.117	0.317	0.242	2.378	20.349		
August	C Alfalfa	31	102.9	1	8	55	0	10	1	0.941	0.000	0.010	0.000	0.945	0.242	7.091	60.805		
August	Grass Warm Tall	31	68.8	1	8	85	0	10	1	1.050	0.000	0.000	0.000	1.050	0.242	7.874	45.145		
August	Trees.Cottonwood	31	179.2	1	8	50	0	10	1	1.800	0.000	0.000	0.000	1.800	0.242	13.504	201.654		
September	C Com	30	308	1	9	40	0	10	1	1.051	0.000	0.000	0.000	1.051	0.160	5.045	129.483		
September	C Soybeans	30	102.7	1	9	40	0	10	1	0.996	0.000	0.001	0.000	0.996	0.160	4.783	40.934		
September	C WinterWheat	30	102.7	1	9	40	15	10	1	0.253	0.200	0.134	0.143	0.340	0.160	1.633	13.973		
September	C Alfalfa	30	102.9	1	9	55	0	10	1	0.801	0.000	0.032	0.000	0.815	0.160	3.913	33.554		
September	Grass Warm Tall	30	68.8	1	9	85	15	10	1	0.844	0.144	0.007	0.103	0.595	0.160	2.854	16.365		
September	Trees.Cottonwood	30	179.2	1	9	50	0	10	1	1.574	0.000	0.000	0.000	1.574	0.160	7.555	112.824		
October	C Com	31	308	1	10	40	11	15	1	0.694	0.200	0.037	0.116	0.570	0.094	1.662	42.662		
October	C Soybeans	31	102.7	1	10	40	21	15	1	0.594	0.200	0.049	0.116	0.413	0.094	1.202	10.291		
October	C WinterWheat	31	102.7	1	10	40	0	15	1	0.271	0.000	0.087	0.000	0.310	0.094	0.903	7.728		
October	C Alfalfa	31	102.9	1	10	55	11	15	1	0.403	0.181	0.065	0.105	0.368	0.094	1.073	9.200		
October	Grass Warm Tall	31	68.8	1	10	85	31	15	1	0.000	0.144	0.000	0.083	0.227	0.094	0.662	3.795		
October	Trees.Cottonwood	31	179.2	1	10	50	16	15	1	0.793	0.188	0.023	0.109	0.540	0.094	1.572	23.478		
November	C Com	30	308	1	11	40	30	30	1	0.000	0.200	0.000	0.127	0.327	0.022	0.216	5.532		
November	C Soybeans	30	102.7	1	11	40	30	30	1	0.000	0.200	0.000	0.127	0.327	0.022	0.216	1.845		
November	C WinterWheat	30	102.7	1	11	40	0	30	1	0.610	0.000	0.023	0.000	0.607	0.022	0.401	3.431		
November	C Alfalfa	30	102.9	1	11	55	30	30	1	0.000	0.181	0.000	0.115	0.296	0.022	0.195	1.675		
November	Grass Warm Tall	30	68.8	1	11	85	30	30	1	0.000	0.144	0.000	0.091	0.235	0.022	0.155	0.888		
November	Trees.Cottonwood	30	179.2	1	11	50	30	30	1	0.000	0.188	0.000	0.119	0.306	0.022	0.202	3.017		

Total All Months (acre ft) 2802.803
Total Feb - July (acre ft) 1718.904

For Covers Listed in Order	Total (acre ft)	867.45
All 9 Month Totals	Total (acre ft)	290.74
	Total (acre ft)	202.71
	Total (acre ft)	335.46
	Total (acre ft)	190.51
	Total (acre ft)	915.93

For Covers Listed in Order	Total (acre ft)	468.34
Feb - July Month Totals	Total (acre ft)	163.84
	Total (acre ft)	157.22
	Total (acre ft)	230.22
	Total (acre ft)	124.32
	Total (acre ft)	674.96

ID Detention Cells Date 10/9/2006

Soil Type Silt Loam

Area 1

Fw = 1 Rain / Sprinkler
Fw = 0.5 Every Other Row Furrow

Month	Cover	Days	Acres	Time Weighting Factor	Month #	Residue %	Days Residue	Wet Int. (days)	Fw Fraction	Kcb	Ksoll	Kw cover	Kw soil	Ka	Eto (in)	Etc (in)	Evap. (acre feet)
March	Vel Cattail/Burush Mot	31	17.45	1	3	95	31	15	1	0.000	0.131	0.000	0.147	0.278	0.053	0.457	0.665
March	C Soybeans	31		1	3	40	31	15	1	0.000	0.200	0.000	0.224	0.424	0.053	0.697	0.000
March	C WinterWheat	31		1	3	40	0	15	1	1.150	0.000	0.000	0.000	1.150	0.053	1.889	0.000
March	C Alfalfa	31		1	3	55	25	15	1	0.465	0.181	0.058	0.203	0.402	0.053	0.660	0.000
March	Grass Warm Tall	31		1	3	85	31	15	1	0.000	0.144	0.000	0.161	0.305	0.053	0.501	0.000
March	Trees.Cottonwood	31		1	3	50	31	15	1	0.000	0.188	0.000	0.210	0.398	0.053	0.653	0.000
April	Vel Cattail/Burush Mot	30	17.45	1	4	95	15	8	1	0.285	0.131	0.105	0.132	0.271	0.115	0.933	1.357
April	C Soybeans	30		1	4	40	30	8	1	0.000	0.200	0.000	0.202	0.402	0.115	1.387	0.000
April	C WinterWheat	30		1	4	40	0	8	1	1.135	0.000	0.000	0.000	1.135	0.115	3.916	0.000
April	C Alfalfa	30		1	4	55	0	8	1	0.853	0.000	0.030	0.000	0.869	0.115	3.000	0.000
April	Grass Warm Tall	30		1	4	85	30	8	1	0.000	0.144	0.000	0.145	0.289	0.115	0.997	0.000
April	Trees.Cottonwood	30		1	4	50	15	8	1	0.253	0.188	0.157	0.189	0.362	0.115	1.251	0.000
May	Vel Cattail/Burush Mot	31	17.45	1	5	95	0	5	1	0.924	0.000	0.018	0.000	0.930	0.175	5.045	7.336
May	C Soybeans	31		1	5	40	15	5	1	0.253	0.200	0.269	0.252	0.463	0.175	2.589	0.000
May	C WinterWheat	31		1	5	40	0	5	1	0.859	0.000	0.051	0.000	0.900	0.175	4.884	0.000
May	C Alfalfa	31		1	5	55	0	5	1	1.199	0.000	0.000	0.000	1.199	0.175	6.505	0.000
May	Grass Warm Tall	31		1	5	85	0	5	1	0.534	0.000	0.121	0.000	0.588	0.175	3.192	0.000
May	Trees.Cottonwood	31		1	5	50	0	5	1	1.376	0.000	0.000	0.000	1.376	0.175	7.465	0.000
June	Vel Cattail/Burush Mot	30	17.45	1	6	95	0	6	1	1.200	0.000	0.000	0.000	1.200	0.245	8.820	12.826
June	C Soybeans	30		1	6	40	0	6	1	0.525	0.000	0.143	0.000	0.636	0.245	4.673	0.000
June	C WinterWheat	30		1	6	40	0	6	1	0.495	0.000	0.152	0.000	0.613	0.245	4.504	0.000
June	C Alfalfa	30		1	6	55	0	6	1	0.879	0.000	0.033	0.000	0.901	0.245	6.621	0.000
June	Grass Warm Tall	30		1	6	85	0	6	1	1.050	0.000	0.000	0.000	1.050	0.245	7.718	0.000
June	Trees.Cottonwood	30		1	6	50	0	6	1	1.800	0.000	0.000	0.000	1.800	0.245	13.230	0.000
July	Vel Cattail/Burush Mot	31	17.45	1	7	95	0	8	1	1.200	0.000	0.000	0.000	1.200	0.285	10.602	15.417
July	C Soybeans	31		1	7	40	0	8	1	1.118	0.000	0.000	0.000	1.118	0.285	9.878	0.000
July	C WinterWheat	31		1	7	40	26	8	1	0.280	0.200	0.162	0.153	0.360	0.285	3.177	0.000
July	C Alfalfa	31		1	7	55	0	8	1	1.139	0.000	0.000	0.000	1.139	0.285	10.063	0.000
July	Grass Warm Tall	31		1	7	85	0	8	1	1.050	0.000	0.000	0.000	1.050	0.285	9.277	0.000
July	Trees.Cottonwood	31		1	7	50	0	8	1	1.800	0.000	0.000	0.000	1.800	0.285	15.903	0.000
August	Vel Cattail/Burush Mot	31	17.45	1	8	95	0	10	1	1.200	0.000	0.000	0.000	1.200	0.242	9.002	13.091
August	C Soybeans	31		1	8	40	0	10	1	1.150	0.000	0.000	0.000	1.150	0.242	8.527	0.000
August	C WinterWheat	31		1	8	40	31	10	1	0.000	0.200	0.000	0.117	0.317	0.242	2.378	0.000
August	C Alfalfa	31		1	8	55	0	10	1	0.941	0.000	0.010	0.000	0.945	0.242	7.091	0.000
August	Grass Warm Tall	31		1	8	85	0	10	1	1.050	0.000	0.000	0.000	1.050	0.242	7.874	0.000
August	Trees.Cottonwood	31		1	8	50	0	10	1	1.800	0.000	0.000	0.000	1.800	0.242	13.504	0.000
September	Vel Cattail/Burush Mot	30	17.45	1	9	95	0	10	1	1.180	0.000	0.000	0.000	1.180	0.160	6.564	8.236
September	C Soybeans	30		1	9	40	0	10	1	0.996	0.000	0.001	0.000	0.996	0.160	4.783	0.000
September	C WinterWheat	30		1	9	40	15	10	1	0.253	0.200	0.134	0.143	0.340	0.160	1.633	0.000
September	C Alfalfa	30		1	9	55	0	10	1	0.801	0.000	0.032	0.000	0.815	0.160	3.913	0.000
September	Grass Warm Tall	30		1	9	85	15	10	1	0.944	0.144	0.007	0.103	0.995	0.160	2.854	0.000
September	Trees.Cottonwood	30		1	9	50	0	10	1	1.574	0.000	0.000	0.000	1.574	0.160	7.555	0.000
October	Vel Cattail/Burush Mot	31	17.45	1	10	95	16	15	1	0.628	0.131	0.029	0.076	0.397	0.094	1.156	1.680
October	C Soybeans	31		1	10	40	21	15	1	0.594	0.200	0.049	0.116	0.413	0.094	1.202	0.000
October	C WinterWheat	31		1	10	40	0	15	1	0.271	0.000	0.087	0.000	0.310	0.094	0.903	0.000
October	C Alfalfa	31		1	10	55	11	15	1	0.403	0.181	0.065	0.105	0.368	0.094	1.073	0.000
October	Grass Warm Tall	31		1	10	85	31	15	1	0.000	0.144	0.000	0.083	0.227	0.094	0.662	0.000
October	Trees.Cottonwood	31		1	10	50	16	15	1	0.793	0.188	0.023	0.109	0.540	0.094	1.572	0.000
November	Vel Cattail/Burush Mot	30	17.45	1	11	95	30	30	1	0.000	0.131	0.000	0.083	0.214	0.022	0.141	0.206
November	C Soybeans	30		1	11	40	30	30	1	0.000	0.200	0.000	0.127	0.327	0.022	0.216	0.000
November	C WinterWheat	30		1	11	40	0	30	1	0.510	0.000	0.023	0.000	0.607	0.022	0.401	0.000
November	C Alfalfa	30		1	11	55	30	30	1	0.000	0.181	0.000	0.115	0.296	0.022	0.195	0.000
November	Grass Warm Tall	30		1	11	85	30	30	1	0.000	0.144	0.000	0.091	0.235	0.022	0.155	0.000
November	Trees.Cottonwood	30		1	11	50	30	30	1	0.000	0.188	0.000	0.119	0.306	0.022	0.202	0.000

Total All Months (acre ft) 60.815
Total Feb - July (acre ft) 37.601

For Covers Listed in Order	Total (acre ft)	60.81
All 9 Month Totals	Total (acre ft)	0.00
	Total (acre ft)	0.00

For Covers Listed in Order	Total (acre ft)	37.60
Feb - July Month Totals	Total (acre ft)	0.00
	Total (acre ft)	0.00

ID Deletion Cells Date 10/9/2006

Soil Type		Silt Loam		Fw = 1 Rain / Sprinkler													
Area		Fw = 0.5 Every Other Row Furrow															
Prior or Post	Post	Time Weighting		Residue	Days	Wet Int.	Pw	Kcb	Ksoil	Kw	Kw	Ka	Eto	Etc	Evap.		
Month	Cover	Days	Acres	Factor	Month	#	%	Residue	(days)	Fraction	cover	soil	(in)	(in)	(acre feet)		
March	Grass Warm Short	31	279.5	1	3	55	31	15	1	0.000	0.181	0.000	0.203	0.384	0.053	0.632	14.711
March	Grass Warm Tall	31	420.3	1	3	85	31	15	1	0.000	0.144	0.000	0.161	0.305	0.053	0.501	17.545
March	Trees.NonRiparian	31	129.7	1	3	50	31	15	1	0.000	0.188	0.000	0.210	0.398	0.053	0.653	7.062
March	Grass Warm Mid	31	17.7	1	3	85	31	15	1	0.000	0.144	0.000	0.161	0.305	0.053	0.501	0.739
March	Vel Cattail/Bulrush Mot	31	35	1	3	95	31	15	1	0.000	0.131	0.000	0.147	0.278	0.053	0.457	1.334
March	C WinterWheat	31	0	1	3	40	0	15	1	1.150	0.000	0.000	0.000	1.150	0.053	1.889	0.000
April	Grass Warm Short	30	279.5	1	4	55	30	8	1	0.000	0.181	0.000	0.183	0.364	0.115	1.257	29.267
April	Grass Warm Tall	30	420.3	1	4	85	30	8	1	0.000	0.144	0.000	0.145	0.289	0.115	0.997	34.905
April	Trees.NonRiparian	30	129.7	1	4	50	30	8	1	0.000	0.188	0.000	0.189	0.377	0.115	1.300	14.049
April	Grass Warm Mid	30	17.7	1	4	85	30	8	1	0.000	0.144	0.000	0.145	0.289	0.115	0.997	1.470
April	Vel Cattail/Bulrush Mot	30	35	1	4	95	15	8	1	0.265	0.131	0.105	0.132	0.271	0.115	0.933	2.722
April	C WinterWheat	30	0	1	4	40	0	8	1	1.135	0.000	0.000	0.000	1.135	0.115	3.916	0.000
May	Grass Warm Short	31	279.5	1	5	55	0	5	1	0.463	0.000	0.175	0.000	0.589	0.175	3.195	74.411
May	Grass Warm Tall	31	420.3	1	5	85	0	5	1	0.534	0.000	0.121	0.000	0.588	0.175	3.192	111.811
May	Trees.NonRiparian	31	129.7	1	5	50	0	5	1	0.472	0.000	0.178	0.000	0.606	0.175	3.289	35.545
May	Grass Warm Mid	31	17.7	1	5	85	0	5	1	0.516	0.000	0.125	0.000	0.573	0.175	3.107	4.583
May	Vel Cattail/Bulrush Mot	31	35	1	5	95	0	5	1	0.924	0.000	0.018	0.000	0.930	0.175	5.045	14.714
May	C WinterWheat	31	0	1	5	40	0	5	1	0.859	0.000	0.051	0.000	0.900	0.175	4.884	0.000
June	Grass Warm Short	30	279.5	1	6	55	0	6	1	0.850	0.000	0.041	0.000	0.877	0.245	6.446	150.142
June	Grass Warm Tall	30	420.3	1	6	85	0	6	1	1.050	0.000	0.000	0.000	1.050	0.245	7.718	270.305
June	Trees.NonRiparian	30	129.7	1	6	50	0	6	1	1.050	0.000	0.000	0.000	1.050	0.245	7.718	83.413
June	Grass Warm Mid	30	17.7	1	6	85	0	6	1	1.000	0.000	0.000	0.000	1.000	0.245	7.350	10.841
June	Vel Cattail/Bulrush Mot	30	35	1	6	95	0	6	1	1.200	0.000	0.000	0.000	1.200	0.245	8.820	25.725
June	C WinterWheat	30	0	1	6	40	0	6	1	0.495	0.000	0.152	0.000	0.613	0.245	4.504	0.000
July	Grass Warm Short	31	279.5	1	7	55	0	8	1	0.850	0.000	0.031	0.000	0.867	0.265	7.658	178.374
July	Grass Warm Tall	31	420.3	1	7	85	0	8	1	1.050	0.000	0.000	0.000	1.050	0.265	9.277	324.918
July	Trees.NonRiparian	31	129.7	1	7	50	0	8	1	1.050	0.000	0.000	0.000	1.050	0.265	9.277	100.266
July	Grass Warm Mid	31	17.7	1	7	85	0	8	1	1.000	0.000	0.000	0.000	1.000	0.265	8.835	13.032
July	Vel Cattail/Bulrush Mot	31	35	1	7	95	0	8	1	1.200	0.000	0.000	0.000	1.200	0.265	10.602	30.923
July	C WinterWheat	31	0	1	7	40	26	8	1	0.280	0.200	0.162	0.153	0.360	0.265	3.177	0.000
August	Grass Warm Short	31	279.5	1	8	55	0	10	1	0.850	0.000	0.024	0.000	0.861	0.242	6.457	150.397
August	Grass Warm Tall	31	420.3	1	8	85	0	10	1	1.050	0.000	0.000	0.000	1.050	0.242	7.874	275.789
August	Trees.NonRiparian	31	129.7	1	8	50	0	10	1	1.050	0.000	0.000	0.000	1.050	0.242	7.877	85.138
August	Grass Warm Mid	31	17.7	1	8	85	0	10	1	1.000	0.000	0.000	0.000	1.000	0.242	7.500	11.062
August	Vel Cattail/Bulrush Mot	31	35	1	8	95	0	10	1	1.200	0.000	0.000	0.000	1.200	0.242	9.002	26.257
August	C WinterWheat	31	0	1	8	40	31	10	1	0.000	0.200	0.000	0.117	0.317	0.242	2.378	0.000
September	Grass Warm Short	30	279.5	1	9	55	15	10	1	0.850	0.181	0.024	0.129	0.586	0.160	2.811	65.471
September	Grass Warm Tall	30	420.3	1	9	85	15	10	1	0.944	0.144	0.067	0.103	0.595	0.160	2.854	99.973
September	Trees.NonRiparian	30	129.7	1	9	50	0	10	1	0.973	0.000	0.005	0.000	0.975	0.160	4.681	50.599
September	Grass Warm Mid	30	17.7	1	9	85	15	10	1	0.920	0.144	0.010	0.103	0.583	0.160	2.797	4.126
September	Vel Cattail/Bulrush Mot	30	35	1	9	95	0	10	1	1.180	0.000	0.000	0.000	1.180	0.160	5.664	16.520
September	C WinterWheat	30	0	1	9	40	15	10	1	0.253	0.200	0.134	0.143	0.340	0.160	1.633	0.000
October	Grass Warm Short	31	279.5	1	10	55	31	15	1	0.000	0.181	0.000	0.105	0.286	0.094	0.834	19.437
October	Grass Warm Tall	31	420.3	1	10	85	31	15	1	0.000	0.144	0.000	0.083	0.227	0.094	0.662	23.181
October	Trees.NonRiparian	31	129.7	1	10	50	16	15	1	0.666	0.188	0.038	0.109	0.480	0.094	1.398	15.114
October	Grass Warm Mid	31	17.7	1	10	85	31	15	1	0.000	0.144	0.000	0.083	0.227	0.094	0.662	0.976
October	Vel Cattail/Bulrush Mot	31	35	1	10	95	16	15	1	0.628	0.131	0.029	0.076	0.397	0.094	1.156	3.371
October	C WinterWheat	31	0	1	10	40	0	15	1	0.271	0.000	0.087	0.000	0.310	0.094	0.903	0.000
November	Grass Warm Short	30	279.5	1	11	55	30	30	1	0.000	0.181	0.000	0.115	0.296	0.022	0.195	4.549
November	Grass Warm Tall	30	420.3	1	11	85	30	30	1	0.000	0.144	0.000	0.091	0.235	0.022	0.155	5.426
November	Trees.NonRiparian	30	129.7	1	11	50	30	30	1	0.000	0.188	0.000	0.119	0.306	0.022	0.202	2.184
November	Grass Warm Mid	30	17.7	1	11	85	30	30	1	0.000	0.144	0.000	0.091	0.235	0.022	0.155	0.228
November	Vel Cattail/Bulrush Mot	30	35	1	11	95	30	30	1	0.000	0.131	0.000	0.083	0.214	0.022	0.141	0.413
November	C WinterWheat	30	0	1	11	40	0	30	1	0.610	0.000	0.023	0.000	0.607	0.022	0.401	0.000

Total All Months (acre ft) 2413.018
Total Feb - July (acre ft) 1552.807

For Covers Listed In Order	Total (acre ft)	686.76
All 9 Month Totals	Total (acre ft)	1163.85
	Total (acre ft)	393.37
	Total (acre ft)	47.06
	Total (acre ft)	121.98
	Total (acre ft)	0.00

For Covers Listed In Order	Total (acre ft)	446.90
Feb - July Month Totals	Total (acre ft)	759.48
	Total (acre ft)	240.34
	Total (acre ft)	30.66
	Total (acre ft)	75.42
	Total (acre ft)	0.00