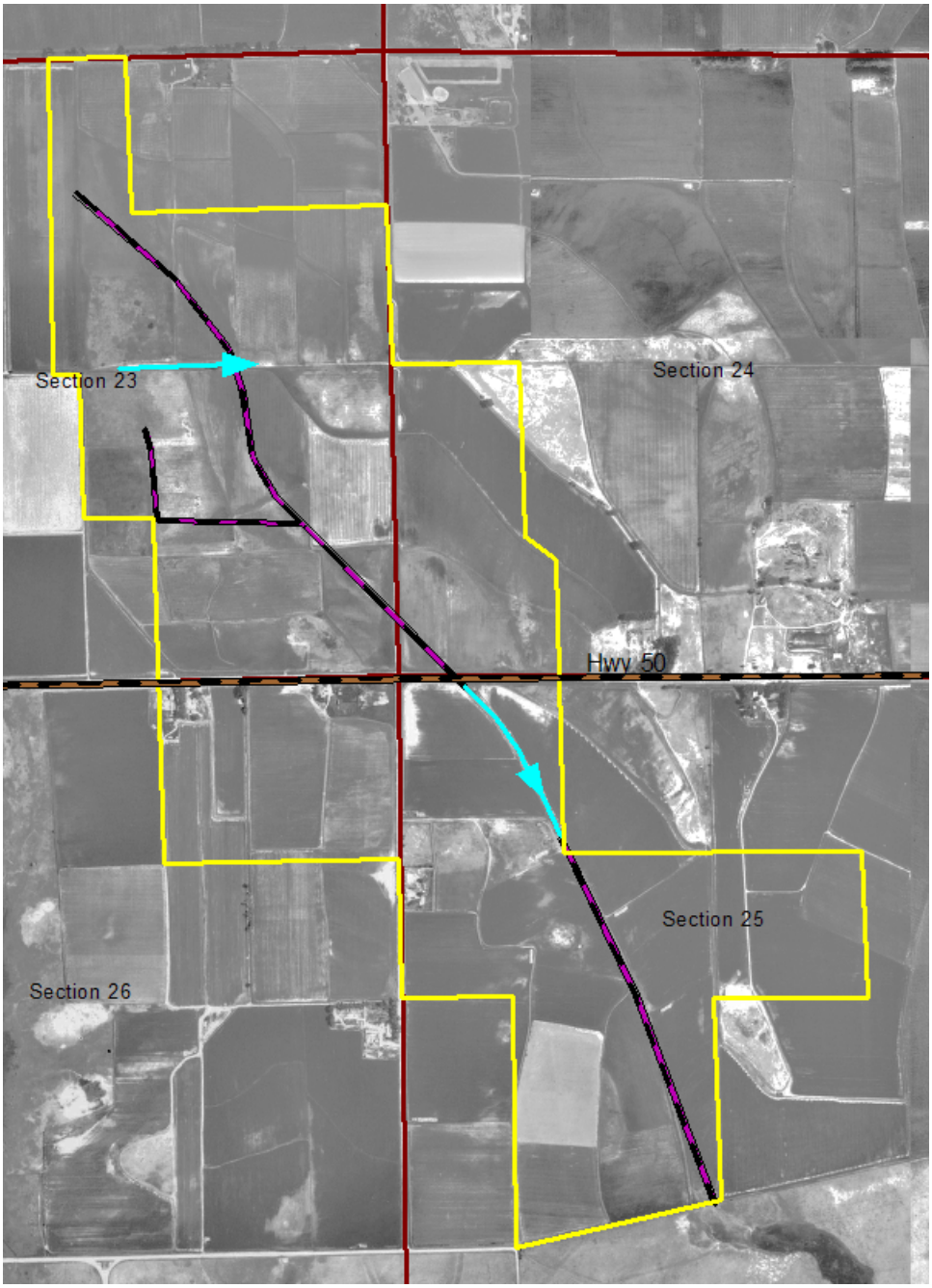
Arbor Drainage District
System Inventory



July 12, 2006, Rev.: January 16, 2007

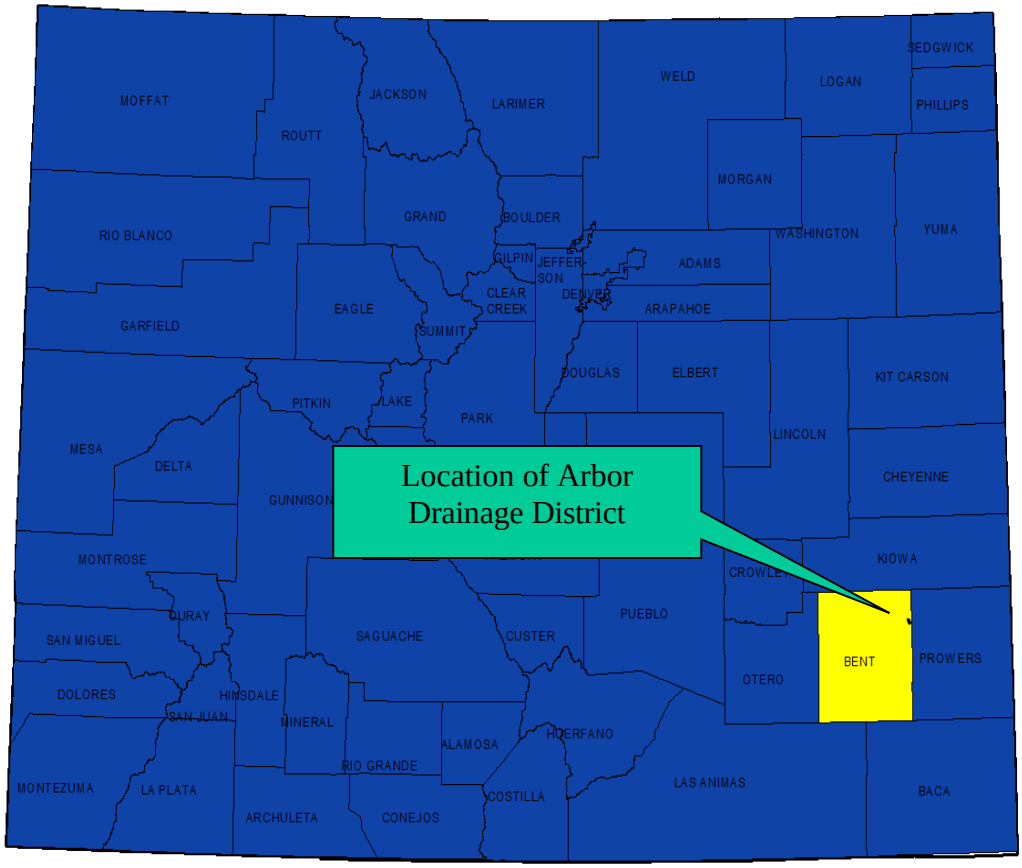
Prepared with the assistance of Stan Cline, Floyd and Don Downing, and Walter Epley

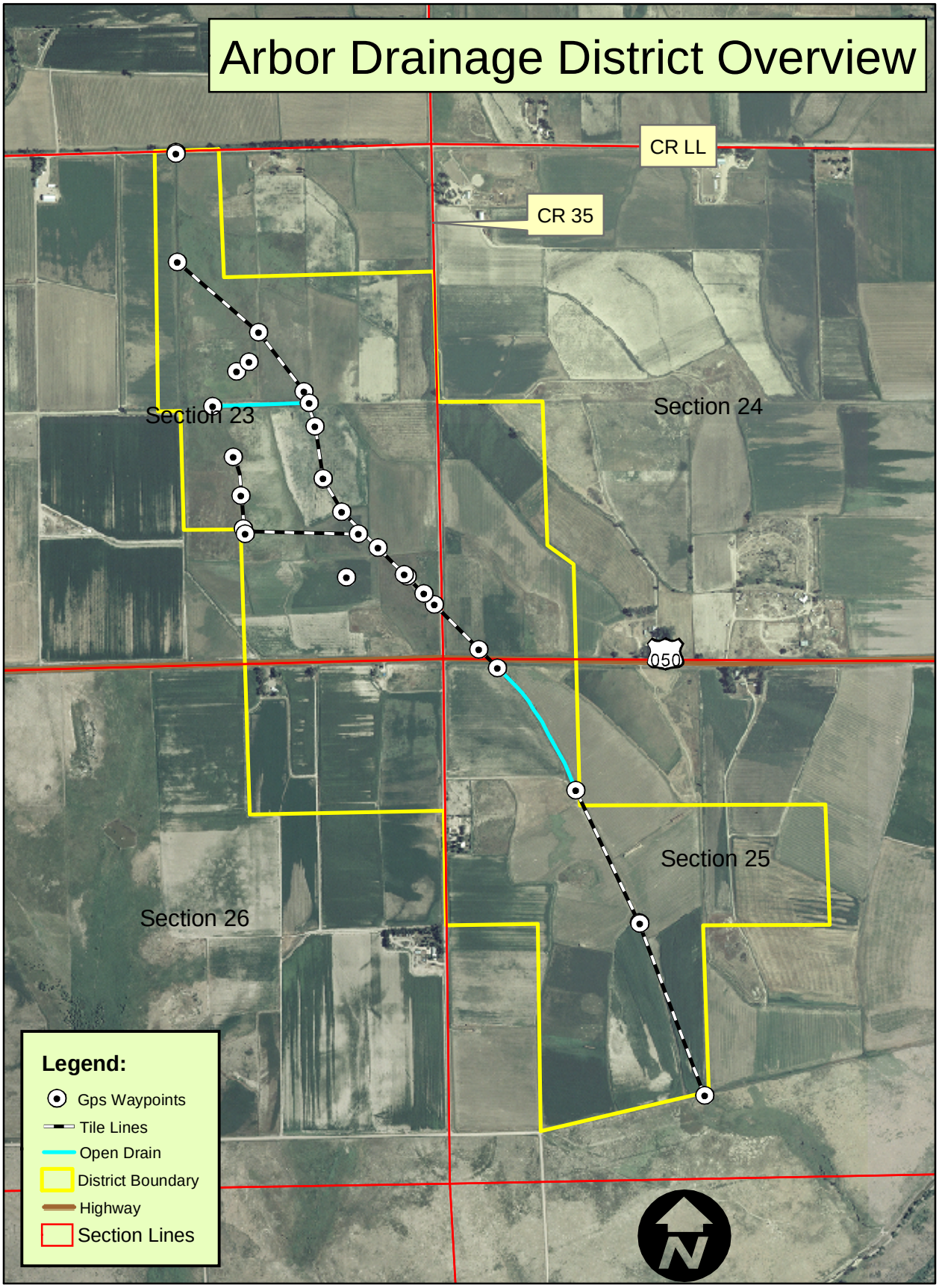
The Lower Arkansas Valley Drainage System Rehabilitation Study

Colorado State Univ., Dr. John Wilkins-Wells, Sociology Water Lab

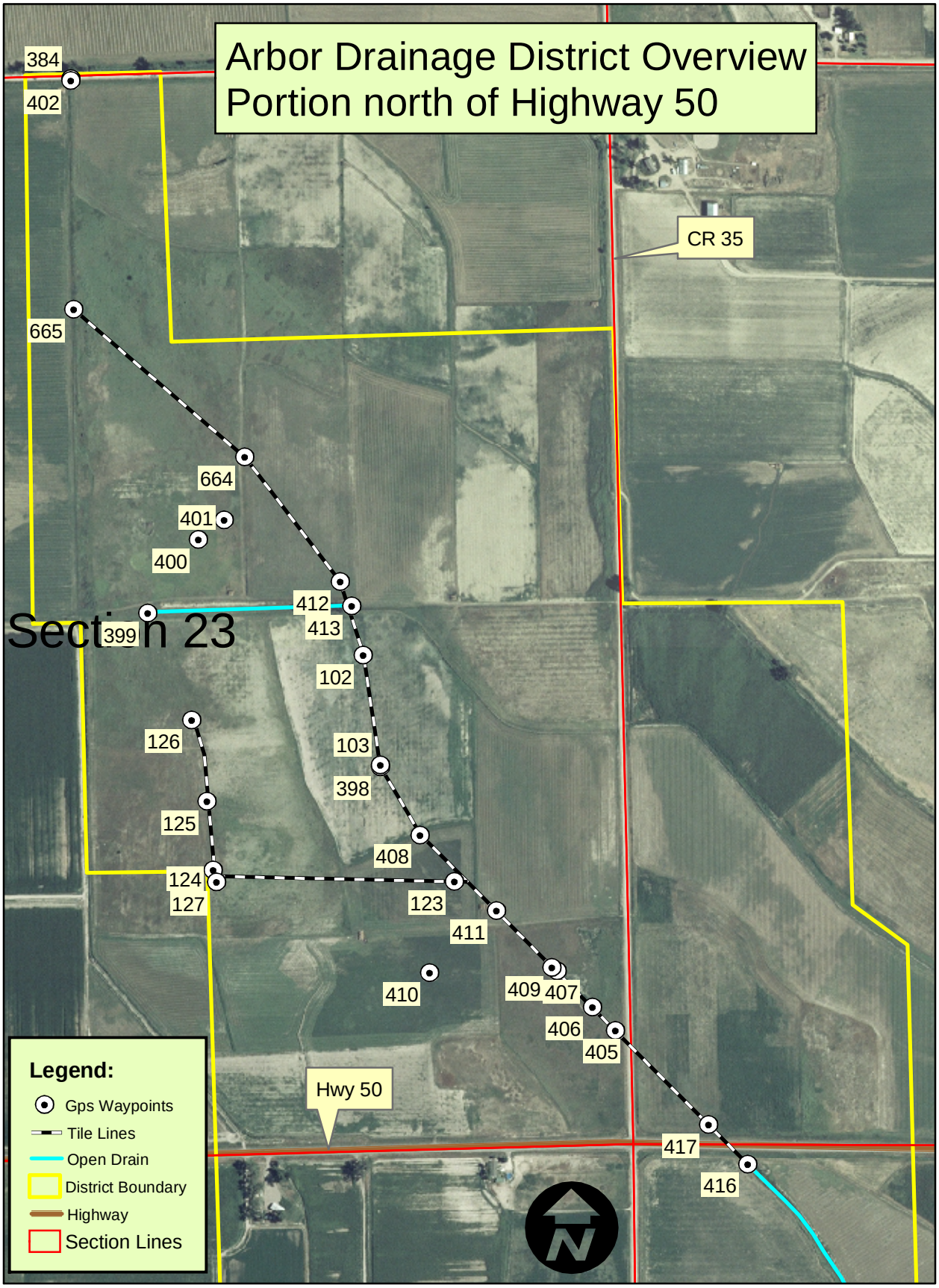
Clark Building B258, Fort Collins, CO 80523 Ph: 970-491-5635

Location of Arbor Drainage District
In Colorado
And Bent County

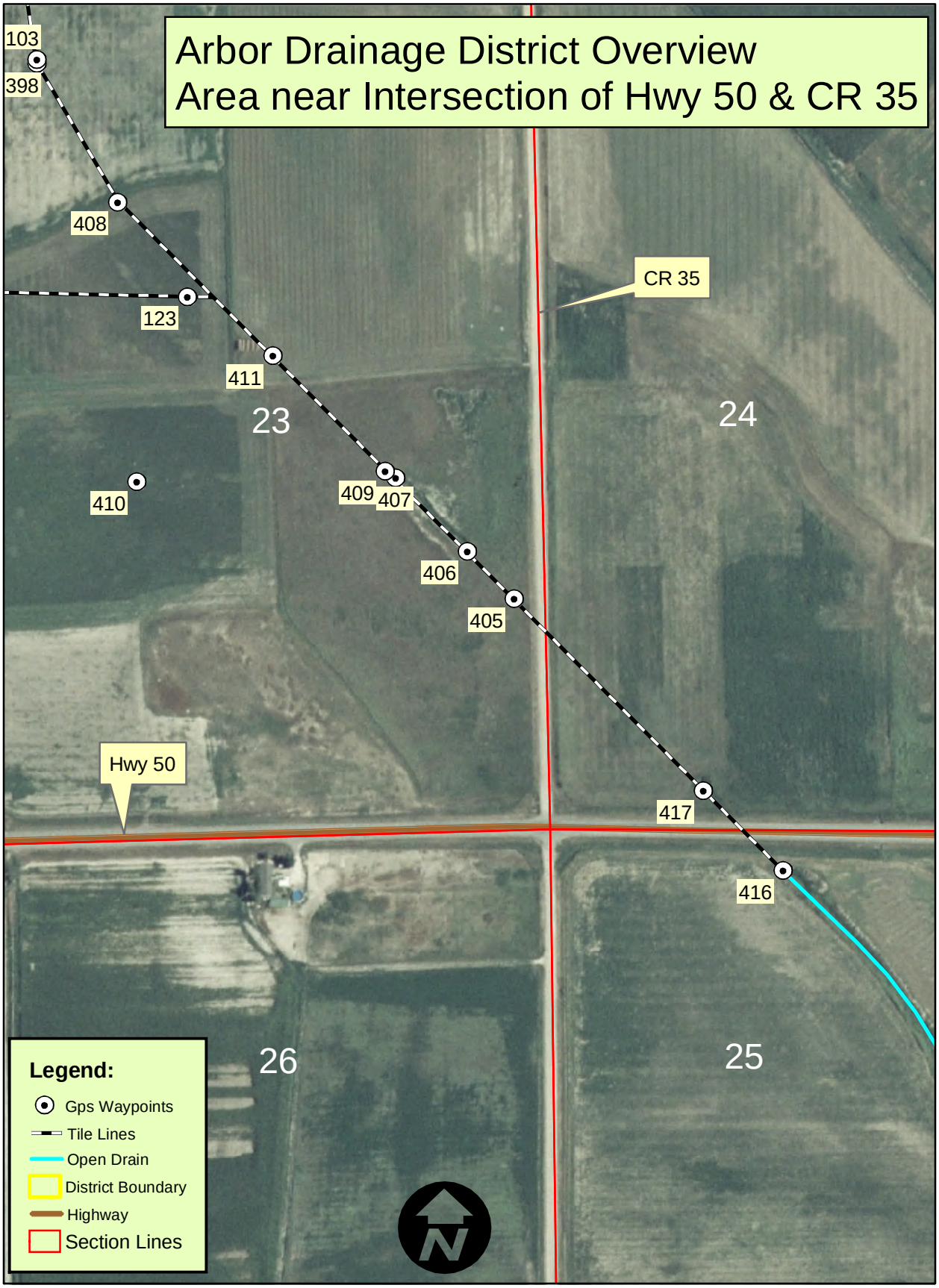




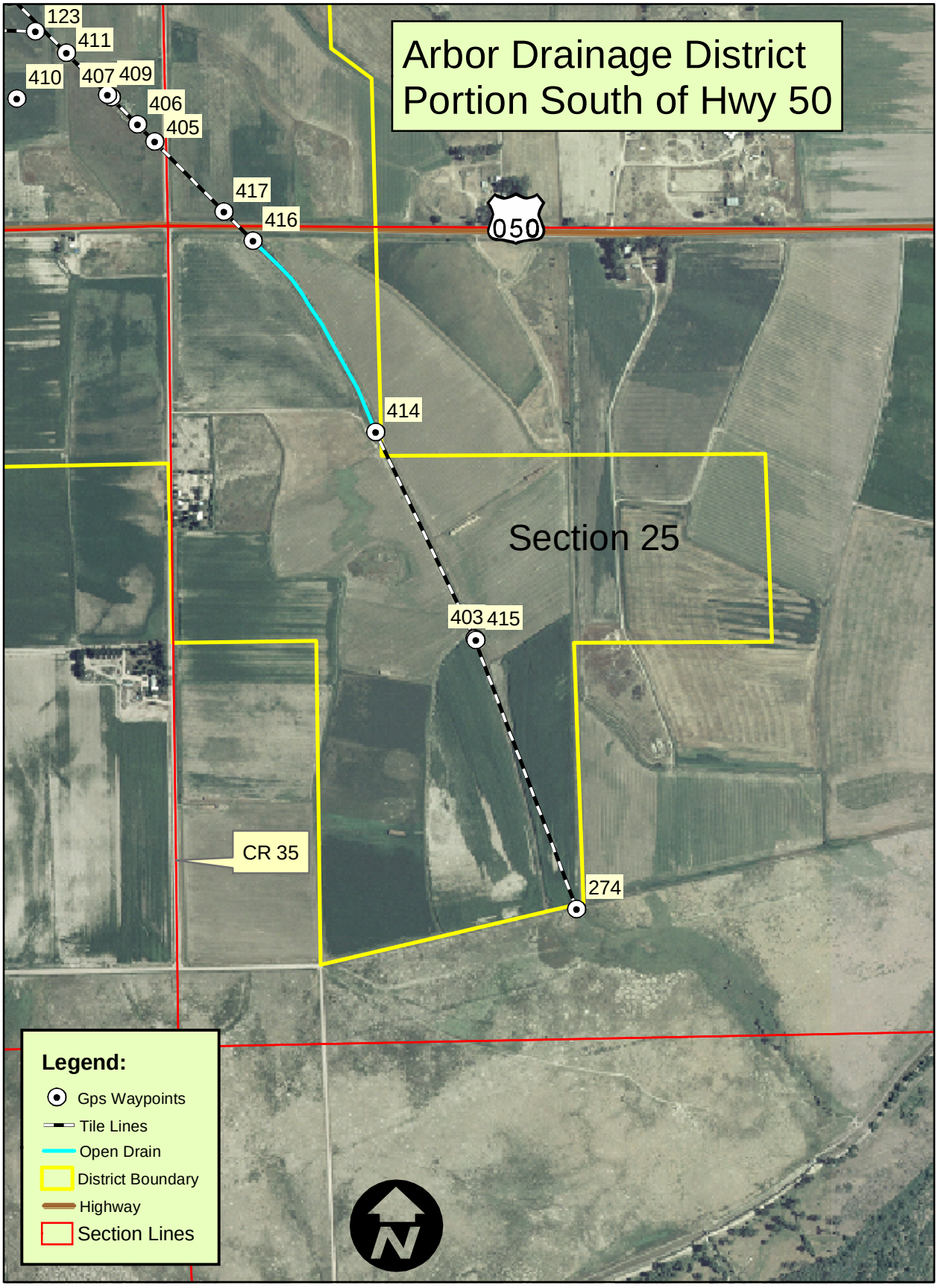
Ark. Valley Drainage Project 1/16/07



Ark. Valley Drainage Project 1/16/07



Ark. Valley Drainage Project 1/16/07



Ark. Valley Drainage Project 1/16/07

Drainage District Infrastructure notes on the Arbor Drainage District located in Bent County, Colorado. This district includes all or parts of Sections 23, 24, 25, and 26 of T22S, R48 W in Bent County.

Waypoints and notes were taken on 7 different days, beginning on March 10, 2005, and ending on Sept. 6, 2005. We used the Garmin GPSmap76 handheld unit with a backpack differential correction unit. Waypoints and notes done by Stan Cline, Floyd and Don Downing, and Walter Epley.

General Notes:
1. Arbor Drainage District installed approximately 2 miles of drain tile in the mid-1920's after issuing bonds. Private landowners have since maintained the line, adding a branch, or performing maintenance. Two sections of open drain have been added, in order to deal with localized wetness problems including non-functioning tile lines. A section of the line south of Highway 50 has been removed and replaced with open drain. The district currently does not collect assessments for its operations.

2. In order to locate the open and tile drains in the district, we have used several methods. The most important has been field observation guided by Stan Cline, Floyd and Don Downing. We have located spots where repairs have been made, and/or sinkholes have occurred. We have used information from several sources including aerial photo interpretation. Black and white aerial photos from the NRCS, color photos for the years 2000 from Bent County were used to assist in the location of tile lines. We finally have had to "connect-the-dots" to map out our best estimate of the location of the full tile line.

There are some areas where there has been little field evidence or other corroborating data to indicate the presence of tile lines. In these areas, we suspect tile lines must be present, but have not physically located them. This is particularly true for the areas in the southwest quarter of Section 24 and the northeast quarter of Section 26. It is also true for the area in the east half of Section 25. While no tile lines have been identified in these areas, the fact that they occur within the district boundaries indicates that some form of drainage system was at the minimum contemplated for this area, and perhaps was installed in addition.

On the south end of the district, we are not completely certain if we have correctly located the outlet of the system. The line apparently ends abruptly, coming to the surface just at the district boundary on the south end. However, we are not able to acertain whether or not this was the original layout and design of the line.

In short, we are not certain we have properly located all the tile lines in the district. However, we must emphasize that this is still our best estimate of the location of these tile lines at this time, until further information is obtained. Hopefully, we can add to this knowledge base as more experience is gained with the exact location of the lines.

3. Note the spreadsheet included with these notes, which includes the recorded waypoint number (ident), latitude, longitude, and date and time of reading.

Waypoints taken in Section 23, T22S, R48W

Waypoint 102:
Location of a sinkhole, previously marked by operator, and since refilled.

Waypoint 103 and 398:
Location of marked sinkhole, approximately 4 feet in diameter, and 5 feet deep.

Waypoint 123:
Approximate location of tile line joining the main line, and coming straight from the west to this point.

Waypoint 124:
Location of a north-south elbow of line ending at Waypoint 123. Operator points out evidence on the surface (rock and gravel) that this location has been disturbed and material brought up from beneath the surface during the installation of the line.

Waypoint 125:
Location of line, based on remembrance and rock and gravel on the surface. There are a lot of animal holes here, a phenomenon sometimes associated with the presence of tile lines in a field.

Waypoint 126:
Location of the upper end of the north-south leg of this feeder line. Some rock fragments are visible on the surface. North of this, few fragments are visible, indicating that the line might end at about this location. The operator indicates that water collected in the "bowl" to the southeast of this point, making the ground very wet and unfarmable. He indicated that the last time this area was irrigated was in the 1950's.

Waypoint 127:
Approximate location of the elbow where the north-south leg makes a right-angle turn toward the east. Rock fragments are visible just north of this point where the tile might have been placed, but noticeably absent just to the south of this point.

Waypoint taken in Section 25, T22S, R48W

Waypoint 274:
Sinkhole about 6 feet in diameter and 6 feet deep. Several boards are visible at the bottom at varying angles. We have been told water bubbles up out of this sink when the tile is running, and has been used at times to water cattle.

Waypoints taken in Section 23, T22S, R48W

Waypoint 384:
South edge of CR LL. Based on archive maps, it is thought tile line heads toward this point from the southeast. (Later information gives us more specific location data). This point is in line with the current field boundary just to the immediate south of the bar ditch.

Waypoint 398:
See description under Waypoint 103.

Waypoint 399:
Upper end on the west end of east-west open drain. No signs of tile fragments present, or tile at the bottom of the ditch. Operator later indicated this was dug in the mid-1950's to drain a seepy area just above and straight west of this point just below the field lateral.

Waypoint 400:
Noted during the course of a search in the open field, it is thought this might possibly be a boil-up location, and possibly in line with the main line in the south half of the section.

Waypoint 401:
Location which has the same qualities as Waypoint 400.

Waypoint 402:
See description for Waypoint 384.

Waypoints taken in Section 25, T22S, R48W

Waypoints 403 and 415:
Location of a 3 ½ ft. by 3 ½ ft concrete manhole that is 10 feet deep. A clay tile is at the bottom, oriented in a north-northwest by south-southeast direction, draining to the south. The tile is 13 inches in diameter. The entire manhole is accessible.

Waypoints taken in Section 23, T22S, R48W

Waypoint 405:
Taken inside a large circular scar on the west side of CR 35, near the road. It is approximately 5 feet deep and 20 feet in diameter

Waypoint 406:
Waypoint at the south edge of a long rectangular scar just northwest of Waypoint 405. The repair scar is 10 to 20 feet wide, and a hundred or more feet long, and up to feet deep. Tile fragments and whole tile segments (10" size) are found in the area.

Waypoint 407:
Waypoint taken at the north end of the same scar referred to in Waypoint 406. This scar has an orientation in a northwest-southeasterly direction, and lines up with a white barn on the adjoining property to the northwest of this waypoint.

Waypoint 408:
Field evidence leads to the conclusion that there is a "Y" or a bend in the main line at this point, which is at a field ditch. To the southeast of this point, a growth of mustardgrass is higher and more pronounced over the tile line (2 –3 ft. in width) than surrounding vegetation indicating a possible change in orientation of the line.

Waypoint 409:
Location of vegetation line, more pronounced than surrounding vegetation, indicating the possible location of a lateral line attached at this point to the main line.

Waypoints 410:
Location of the upper west end of this east-west possible tile line location.

Waypoint 411:
Vegetative evidence in the form of taller alfalfa, standing out in contrast the rest of the alfalfa, in the southwest corner of an alfalfa field, indicates the possible presence of a buried tile line.

Waypoint 412:
A sinkhole, indicating the probably presence of a tile line at the base of this hole in the ground which as a diameter of 20 feet, and depth of approximately 6 feet.

Waypoint 413:
The east end of an east-west oriented open ditch beginning on the west at Waypoint 399. It appears that water coming eastward down the seep ditch enters the tile line which may pass through this point.

Waypoints taken in Section 25, T22S, R48W
Waypoint 414:
Location of the south end of an open drain where the water enters into a buried tile line.

Waypoint 415:
See Waypoint 403 for description of the manhole at this point.

Waypoint 416:
Location of the north end of the open ditch. To the northwest of this location, tile is buried. At this location, there is an 8-inch hard rubber black outlet into the open ditch coming from under Highway 50.

Waypoints taken in Section 24, T22S, R48W
Waypoint 417:
Location of an open hole with triangular shaping of metal walls to hold back slumping dirt.

Waypoints taken in Section 23, T22S, R48W
Waypoint 664:
Repair scar over main line that is 8 or 10-inch clay tile. North of this point, it is normally very wet. From this point, the tile line goes north northwest to the property boundary. At one time there was a sand point stuck in the ground at the end of the line, which has since been removed. Former owner-operator indicates that there have been no new tile installed in the east half of the district since 1947.

Waypointn 665:
Approximate location of upper end of Arbor main tile line.

Arbor area figures: (Bent County)
Total area in district: 637.05
Total Area – Sq. Ft.: 27,749,641
Less unfarmed areas: - 25.23
Farmed areas: 611.82
Farmed Areas: Sq. Ft: 26,650,879

Moderate Wetness damage areas (5): 128.4 acres.
Severe Wetness damage areas: (2): 62.1 acres
Areas not affected by wetness: 421.32 acres

Drainage Infrastructure Data:
Existing Tile Lines: 10,921.6 ft.
2.07 miles
Existing Open Drains: 2,514.1 ft.
0.48 miles

Following is a spreadsheet of the waypoint logs showing the waypoint number (ident), the occasion of taking the waypoint, or what it was (Type), Latitude and Longitude readings, and the date and time (Comment) when the waypoint was taken. On the page following this sheet is a key to the items under "Type".

Type	Ident	Lat	Long	Comment
Sinkhole	102	38.12120316	-102.7645282	8/25/2005 16:26
Sinkhole	103	38.1197173	-102.7642792	8/25/2005 16:30
FieldObs	123	38.11811795	-102.7630611	9/6/2005 16:26
FieldObs	124	38.11834954	-102.7671792	9/6/2005 16:35
FieldObs	125	38.11928311	-102.7672512	9/6/2005 16:39
FieldObs	126	38.120385	-102.7674837	9/6/2005 16:44
FieldObs	127	38.11819053	-102.7671262	9/6/2005 16:54
Sinkhole	274	38.10193132	-102.7511047	3/10/2005 15:55
FieldObs	384	38.12907427	-102.7692796	5/13/2005 16:39
Sinkhole	398	38.11969073	-102.7642808	5/14/2005 13:46
OpenDitch	399	38.12184001	-102.7681861	5/14/2005 13:57
FieldObs	400	38.12281257	-102.7672916	5/14/2005 14:03
FieldObs	401	38.12307182	-102.7668421	5/14/2005 14:05
FieldObs	402	38.12904451	-102.7692832	5/14/2005 14:30
Manhole	403	38.1068867	-102.7532969	5/14/2005 14:41
RepairScar	405	38.11606061	-102.7603783	5/15/2005 10:32
RepairScar	406	38.11638298	-102.7607607	5/15/2005 10:34
RepairScar	407	38.11688329	-102.761349	5/15/2005 10:38
FieldObs	408	38.11875707	-102.7636298	5/15/2005 11:05
FieldObs	409	38.11692922	-102.7614355	5/15/2005 11:11
FieldObs	410	38.11689955	-102.7635259	5/15/2005 11:16
FieldObs	411	38.11771201	-102.7623576	5/15/2005 11:23
Sinkhole	412	38.12219968	-102.76489	5/15/2005 11:39
OpenDitch	413	38.12186985	-102.764701	5/15/2005 11:43
OpenDitch	414	38.11068781	-102.7554668	5/15/2005 13:01
Manhole	415	38.10686256	-102.7532753	5/15/2005 13:14
OpenOutl	416	38.11421374	-102.7581735	5/15/2005 13:27
RepairScar	417	38.11475739	-102.7588273	5/15/2005 13:33
RepairScar	664	38.12391336	-102.7664716	6/18/2005 8:19
FieldObs	665	38.12596265	-102.7693253	6/18/2005 8:36

ArcView Field Title	Possible Entry	Explanation Key
Ident		GPS Waypoint Identification Number
Lat		Latitude of reading
Lon		Longitude of reading
Comment		Date and time of reading
Type		
	Manhole	Manhole
	ManhBur	Buried Manhole
	ObsPoint	observation point - generally vert. Pipe extending to tile line from surface
	Inlet	Inlet, or beginning of line
	TileOutlet	End of tile line dumping into seep ditch, or open drain
	BurOutl	Outlet of a tile drain that is buried beneath the surface
	OpenDitch	Open drainage ditch. Seep Ditch
	TileLoc	Location of Tile Line
	TileJunc	Loc. of Tile Junction where more than two lines meet
	TileElbow	Loc. of Elbow in tile line where line bends
	TileRdCross	Crossing of Tile Line under Road
	DitchRdCro	Crossing of Open Ditch under Road
	CanalTileCross	Crossing of Tile Line under Canal
	Repairscar	Location of point where tile has been repaired: generally visible soil disturbance
	Sinkhole	Loc. of place where soil has washed down into tile line, leaving an open hole
	Openhole	Open hole in ground, varying depths and sizes. Relates to tile location.
	FieldObs	Location of relevant condition observed in the field relating to the possible location of tile lines.
	SurfDrainStr	Structure for drainage of surface water. May be culvert, or similar structure.

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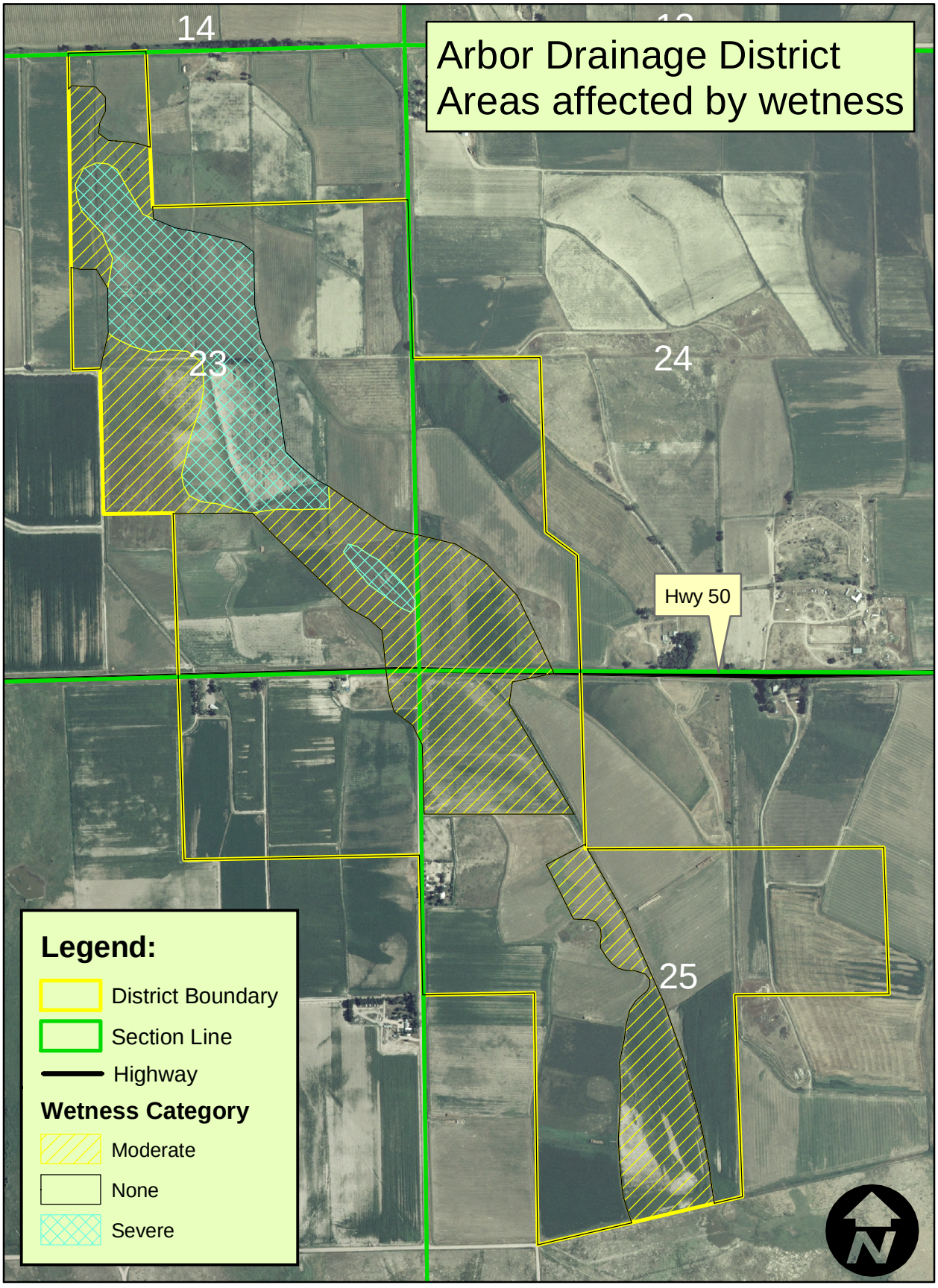
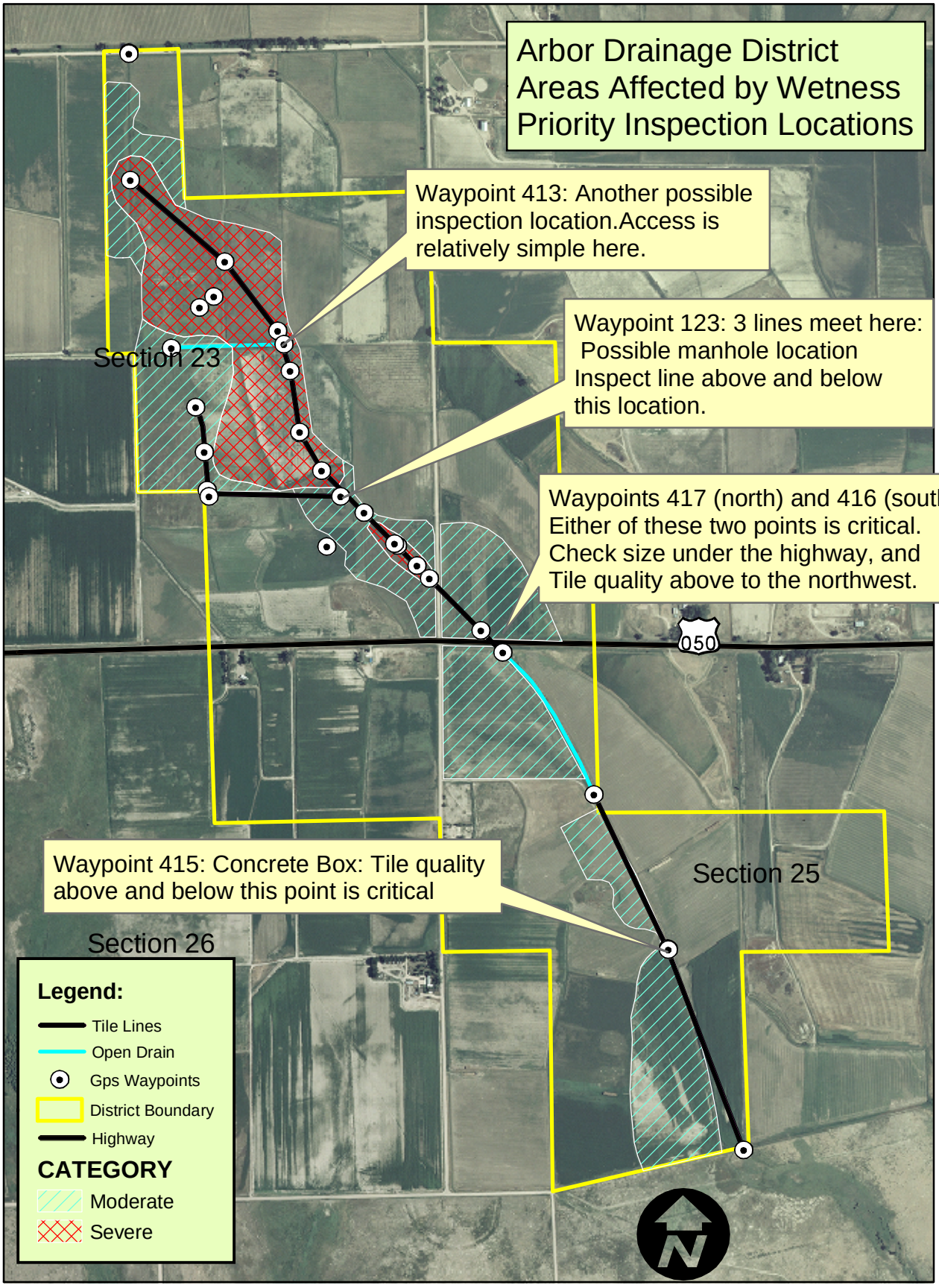
Phone Off: 970-491-5635
Phone Cell: 303-842-0265

Ark. Valley Drainage Project Approximate Measurements WFE
1/16/07 Between some Waypoints
Arbor Drainage District

From Wypt	To Wypt	Distance(Ft.)
665	413	2013
126	123	2026
127	123	1239
126	127	787
665	664	1112
664	412	772
412	413	135
413	102	249
102	103	550
103	408	401
408	123	281
408	411	527
411	405	836
411	123	256
405	417	654
417	416	277
416	414	1514
414	415	1532
415	274	1904



Ark. Valley Drainage Project 5/28/08



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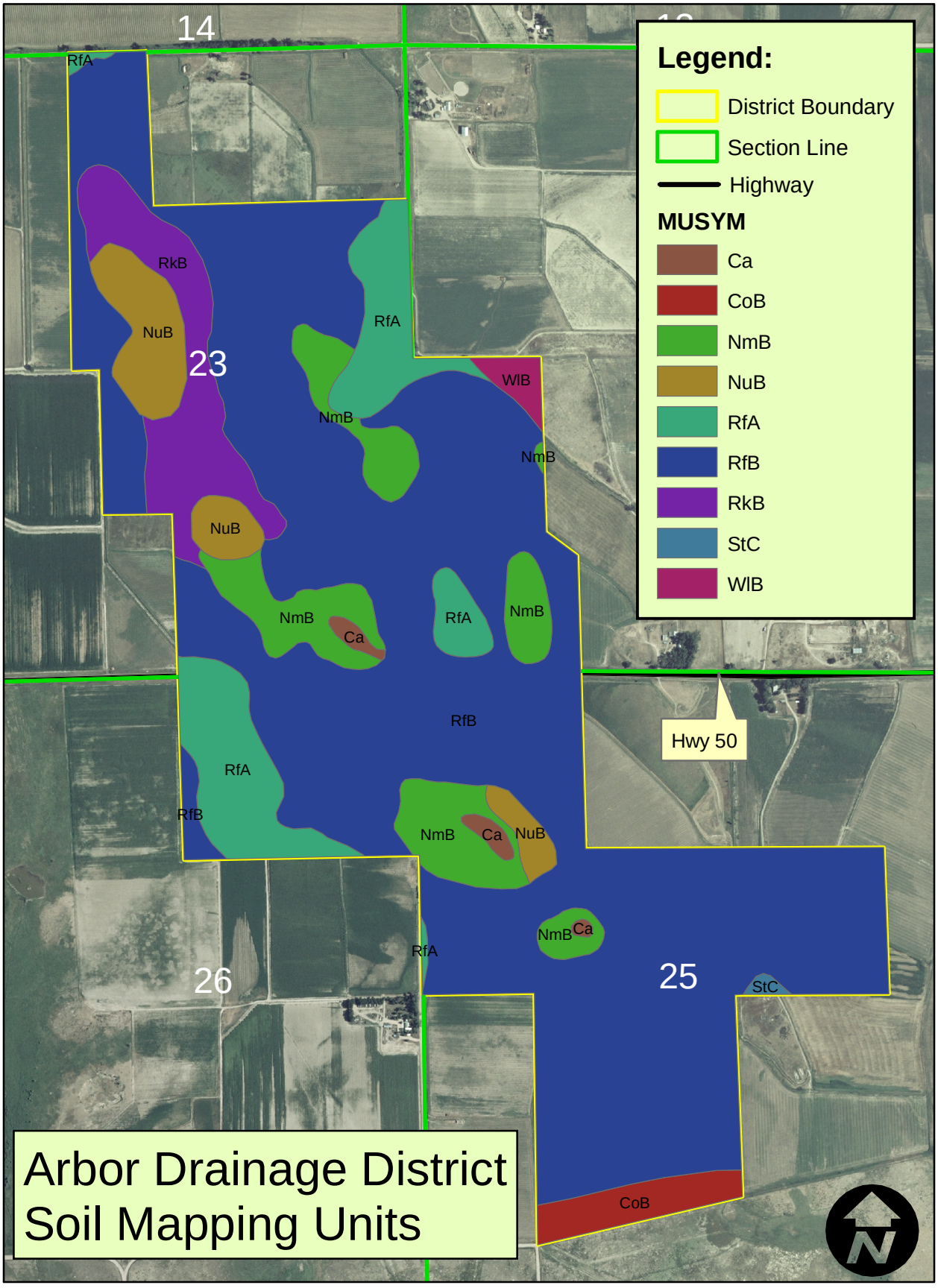
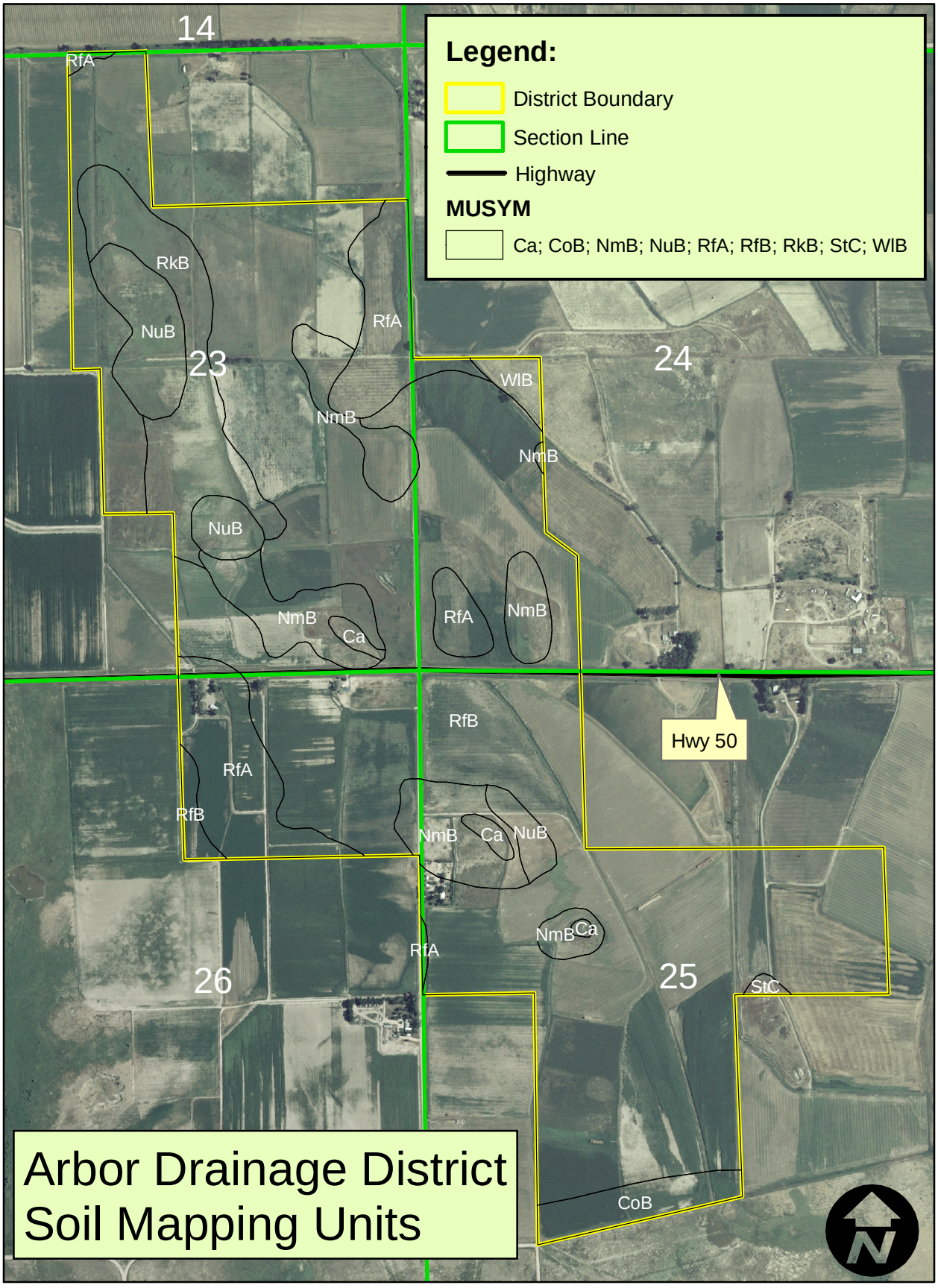
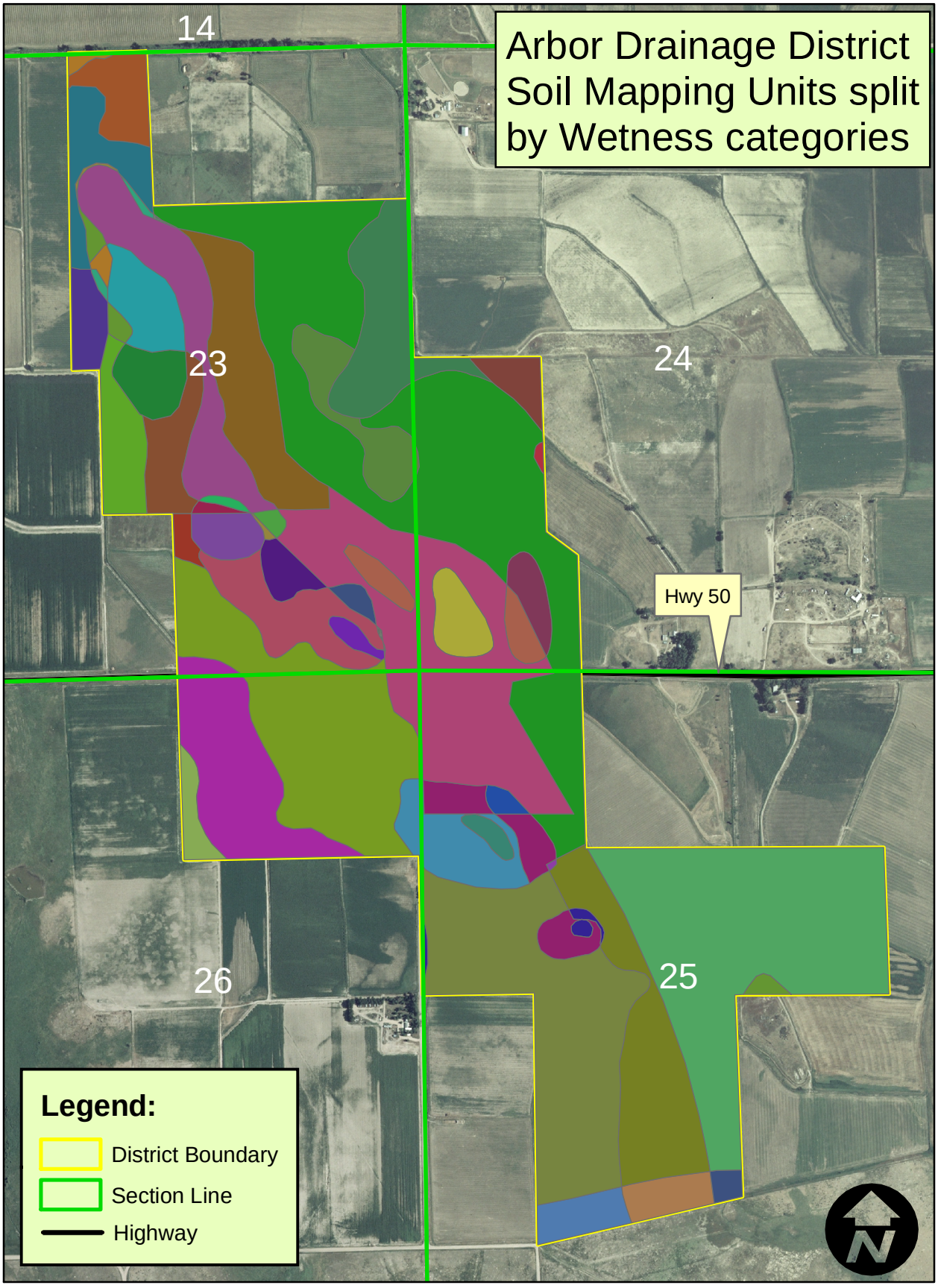


Ark. Valley Drainage Project 5/28/08



Ark. Valley Drainage Project 5/28/08

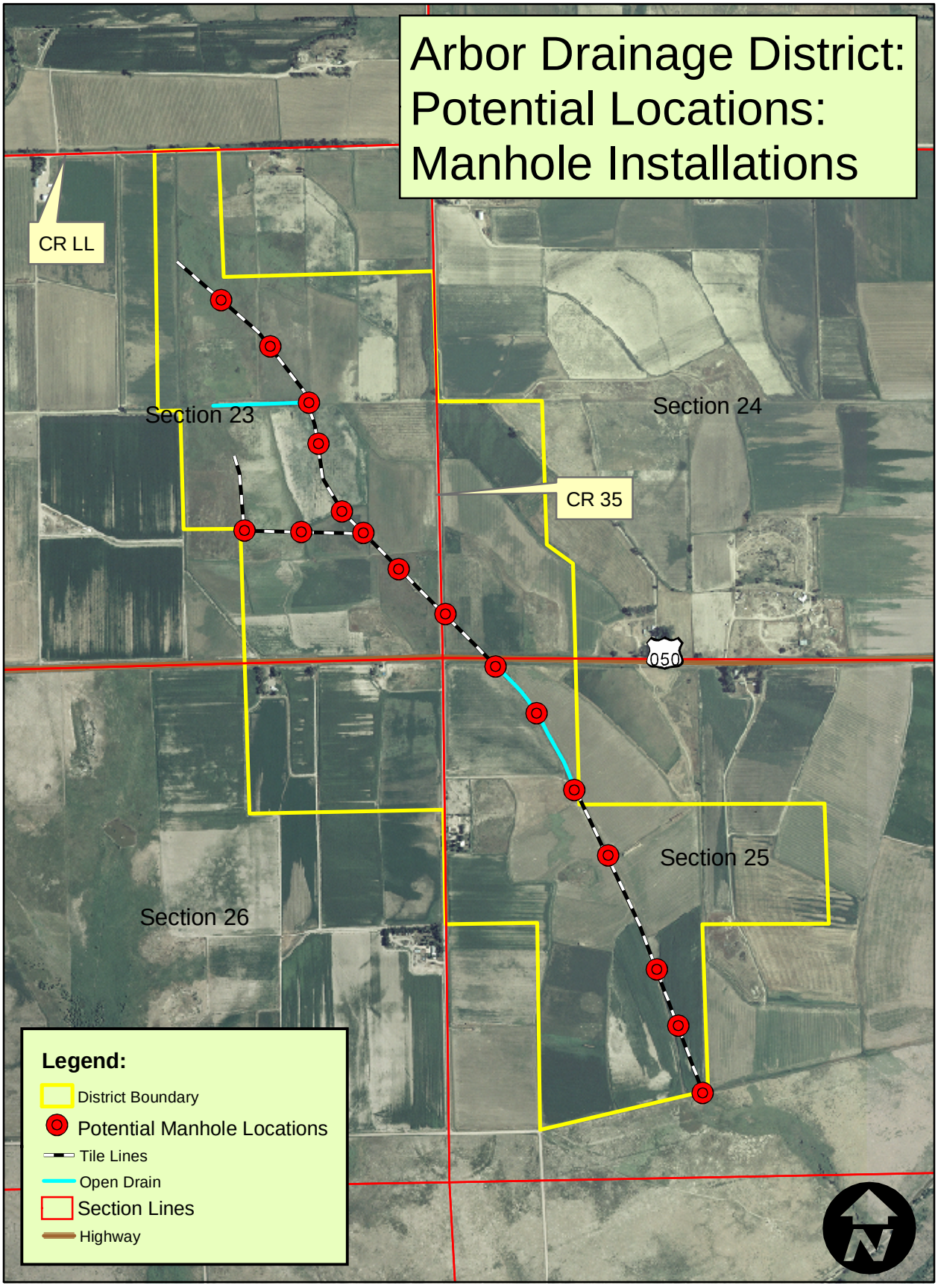
0 930 1,860 2,790 3,720 Feet



Ark. Valley Drainage Project 5/28/08

	A	B	C	D
1	Arbor Soil Map Units by Wetn. Categories Areas			
2	CATEGORY	MUSYM	MUKEY	AREA_AC
3	Moderate	CoB	94238	5.2
4	Moderate	NmB	94267	0.5
5	Moderate	NuB	94268	0.1
6	Moderate	RfB	94277	28.7
7	Moderate	NuB	94268	1.3
8	Moderate	NmB	94267	3.3
9	Moderate	NmB	94267	2.9
10	Moderate	NmB	94267	1.5
11	Moderate	RfA	94276	6.2
12	Moderate	RkB	94279	0.9
13	Moderate	NuB	94268	0.7
14	Moderate	RfB	94277	54.8
15	Moderate	RkB	94279	8.8
16	Moderate	NuB	94268	6.9
17	Moderate	RfB	94277	9.7
18	Moderate	NuB	94268	0.8
19	Moderate	RkB	94279	1.0
20	Moderate	RkB	94279	0.4
21	Moderate	RfB	94277	9.8
22	None	CoB	94238	5.7
23	None	CoB	94238	1.5
24	None	StC	94285	1.0
25	None	Ca	94235	0.5
26	None	RfA	94276	0.5
27	None	NmB	94267	3.3
28	None	RfB	94277	57.9
29	None	RfB	94277	76.7
30	None	Ca	94235	1.8
31	None	NuB	94268	3.3
32	None	NmB	94267	12.0
33	None	RfB	94277	3.6
34	None	RfA	94276	27.3
35	None	Ca	94235	1.6
36	None	RfB	94277	52.5
37	None	NmB	94267	4.1
38	None	NmB	94267	14.3
39	None	RfB	94277	3.9
40	None	RkB	94279	1.7
41	None	NuB	94268	4.8
42	None	RkB	94279	0.2
43	None	NmB	94267	0.3
44	None	WlB	94293	4.2
45	None	NmB	94267	11.3
46	None	NuB	94268	0.4
47	None	RfB	94277	5.3
48	None	RfB	94277	101.2
49	None	RfA	94276	20.8
50	None	RfA	94276	0.8

	A	B	C	D
1	Arbor Soil Map Units by Wetn. Categories Areas			
2	CATEGORY	MUSYM	MUKEY	AREA_AC
51	None	RfB	94277	8.0
52	Severe	RfB	94277	2.9
53	Severe	NuB	94268	0.6
54	Severe	RfB	94277	1.0
55	Severe	NuB	94268	9.0
56	Severe	RfB	94277	24.6
57	Severe	RkB	94279	24.4
58	Severe	RfB	94277	0.2
59	Total Area			636.7



Ark. Valley Drainage Project 6/23/08

SUMMARY OF DRAINAGE DISTRICTS

STATE Colorado
WATER DISTRICT OR AREA No. 67
DATE September 1940

SUMMARY OF DATA ON ARBOR DRAINAGE DISTRICT

GENERAL

LOCATION: STATE Colorado COUNTY Bent NEAR 9 Mi. west of Lamar

ACRES: GROSS 572 ASSESSED 572 SUSTAINING

UNIT OF ASSESSMENT (1) Dollar of assessed benefits

TOTAL UNITS: ORIGINAL 35320 SUSTAINING 35,320

UNITS OF ASSESSMENT PER ACRE: AVERAGE $ 61.80 MAXIMUM $ 82.50 MINIMUM $ 20

LIABILITY FOR DISTRICT OBLIGATIONS Each tract liable for 100% of assessments levied again

LOCATION OF ASSESSMENT RECORDS

LAND: BAD ALKALI 2 %; SLIGHT ALKALI 15 %; HIGH WATER TABLE 2 %; TREND stable

ELEVATION 3700 FT. AVERAGE GROWING SEASON 164 DAYS April 28 TO October 10

PRECIPITATION IN INCHES: ANNUAL AVERAGE 16.05 ; CHARACTERISTICS OF RAINFALL 76% from 4/1 to 10/1
Erratic-maximum 24.5";minimum 7.4";maximum daily 4.3".Intense storms in summer.

ECONOMIC & FINANCIAL CONDITIONS

GENERAL TAXES ON LAND AND IMPROVEMENTS: AVERAGE $ 1.25 PER ACRE

CAPITAL DEBT AS OF July 1 1942 ; BONDS $ 1750 @ 6 % PAYABLE 1940-44

WARRANTS $ @ % PAYABLE 19 ; OTHER DEBTS $ @ % PAYABLE 19

NET CAPITAL DEBT: $ none , ADJUSTED TO AN EQUIVALENT 6% BASIS $

OR $ PER SUSTAINING (1)

B. & I. ASSESSMENTS FOR PERIOD 1932-41 AVERAGED $ 0.033 PER (1) $1 of ass'd benefits

O. & M. ASSESSMENTS FOR PERIOD 1932-41 AVERAGED $ 0.0008 PER (1) $1 " " "

ESTIMATED FUTURE ANNUAL ASSESSMENTS PER SUSTAINING (1) Dollar of assessed benefits

B. & I. $ none O. & M. $ (1) 0.003

HISTORY AND TREND OF DEBT AND ASSESSMENTS District issued $10,900 of 6% bonds in 1924, payable 1935-44. 80% of bonds paid off to date, some ahead of maturity. B&I assessments levied for period 1931-40 and no more levies are anticipated. O&M levied only in last four years but may be expected regularly in future at approximately the above rate of assessment.

THESE LANDS ARE all SUBJECT TO OTHER ASSESSMENTS BY Ft. Lyon Canal Co. and by lateral companies

PHYSICAL CONDITIONS

EFFECTIVENESS OF SYSTEM AND ADEQUACY OF PAST MAINTENANCE System consists of 2 miles of tile drain extending down draw. Generally effective and past maintenance has been sufficient to keep system functioning satisfactorily.

AREA HAS not BEEN ZONED. (SEE ZONE DESCRIPTIONS IF IT HAS BEEN ZONED)

EXPECTED FUTURE ADEQUACY OF MAINTENANCE
Expected to be adequately maintained in future, but at increased average costs of the last 10 years.

CHARACTER OF FLOODS (2) No hazard

RECOMMENDATIONS: APPRAISAL FACTORS IN (3) Percent of assessed benefits

TOTAL DEDUCTION $ none UNTIL 19 19

ANNUAL B. & I. $ none ANNUAL O. & M. 0.3%

(1) Dollar of assessed benefits, or dollar of assessed valuation, or acre- district's method of assessment

(2) Supplement by attaching gage record tables where available

(3) % of assessed benefits, or % of assessed valuation, or dollars per acre

(SEE REVERSE SIDE FOR ADDITIONAL INFORMATION)
(over)

DRAINAGE DISTRICTS

STATE Colorado
WATER DISTRICT OR AREA No. 67
DATE OF INSPECTION September 1942

NAME OF DISTRICT ARBOR DRAINAGE DISTRICT
Irrigated by Ft. Lyon Canal Co. System
LAND LOCATION 9 MILES W of Lamar & 5 Mi. S.W. of Wiley
IN Bent COUNTY. TOWNSHIP 22S RANGE 48W

ORGANIZATION

DATE OF ORGANIZATION April 2, 1923 UNDER LAW OF 1911 and 1919
AMENDMENTS TO ORIGINAL ORGANIZATION ----
ACRES: GROSS 572 ,ASSESSED 572 , SUSTAINING 572
UNIT OF ASSESSMENT (1) Dollar of assessed benefits
TOTAL UNITS: ORIGINAL 35,320 SUSTAINING 35,320
UNITS OF ASSESSMENT PER ACRE: AVERAGE $ 61.80 , MAXIMUM $ 82.50 , MINIMUM $ 20
LIABILITY FOR DISTRICT OBLIGATIONS Each tract liable for 100% of ass'ts levied against it
NAME AND ADDRESS OF SECRETARY F. M. Johnston, Lamar, Colorado
LOCATION OF ASSESSMENT RECORDS " " " " "

TYPE OF LAND

GENERAL Narrow strip of bench land bordering Arbor draw. U.S.B.R. classification: Cl. 1 - 58%; Cl. 2 - 40%; Cl. 5 & 6 - 2%
TOPOGRAPHY Undulating to gently sloping

SOILS: PREDOMINANT TYPES Prowers clay loam - 70%; Ft. Lyon loam - 30%

PER CENT OF AREA: BAD ALKALI 2 %, SLIGHT ALKALI 15 %, HIGH WATER TABLE 2 %
TREND stable

CLIMATE

ELEVATION 3700 FT., AVERAGE GROWING SEASON 164 DAYS April 28 TO October 10
RAINFALL AT Lamar STATION 9 MILES FROM DISTRICT 16.05 inches
LENGTH OF RECORD 53 YEARS 1889 TO 1941 , ACCURACY good
CHARACTERISTICS OF RAINFALL 76% from 4/1 to 10/1. Erratic-maximum 24.5"; minimum 7.4"; maximum daily 4.3". Intense storms of short duration in summer months.

CROPS

CROPS	% OF AREA	CROPS	% OF AREA	CROPS	% OF AREA
ALFALFA	50	POTATOES			
CLOVER		SUGAR BEETS	5		
OTHER HAY					
PASTURE	3	melons & truck	2		
CEREALS	20				
CORN	10				
SORGHUMS	10				

SOURCE OF INFORMATION U.S.B.R. survey & W.C. reports ACCURACY fair
YIELDS AND TRENDS Moderately good yields generally obtained in average seasons. Increase in corn and sorghums and decrease in small grain.
DISPOSITION OF CROPS About 50% sold for cash, including ½ to 2/3 of hay crop. Remainder fed to farm livestock.

ECONOMIC CONDITIONS

NO. OF FARMS 8 . TENANCY APPROX. 50 %. CONDITION OF FARM IMPROVEMENTS fair to good - generally fair.
GENERAL CHARACTER OF FARMS AND FARMERS Farms are about average for community and in fairly good condition. American farmers.

GENERAL TAXES ON LAND AND IMPROVEMENTS: AVERAGE $ 1.25 PER ACRE
TRANSPORTATION FACILITIES 2 miles from A.T. & S.F. Ry. Intersected by U.S. Highway No. 50.
MARKETING FACILITIES 2 mile haul to beet dump. Alfalfa mill, elevators, stock yards, packing sheds and turkey co-op at Wiley, 5 miles distant. Good outlet for cash crops and fair for surplus feed crops.

(1) Dollar of assessed benefits, or dollar of assessed valuation, or acre - district's method of assessment

ARBOR DRAINAGE DISTRICT

OPERATION AND MAINTENANCE ACCOUNT AS OF August 1 19 42

ASSETS		LIABILITIES	
CASH ON HAND	$ 369.50	WARRANTS OUTSTANDING	$
ASSESSMENTS RECEIVABLE		OTHER	
MISCELLANEOUS RECEIVABLE			
TOTAL	$ 369.50	TOTAL	$ none

CAPITAL DEBT SCHEDULE

INDEBTEDNESS	AMOUNT	INT.RATE	AMOUNT PER UNIT	REPAYMENT PERIOD
BONDS	$ 1750	6 %	$ 0.05 PER	$1 of ass'd ben.1940-44. 12/1
BONDS		%	PER	
BONDS		%	PER	
WARRANTS		%	PER	
OTHER			PER	
TOTAL	$	%	PER	

NOTE: IF ANNUAL PAYMENTS ARE VARIABLE ATTACH DETAILED REPAYMENT SCHEDULES

CAPITAL DEBT ACCOUNT AS OF July 1 19 42

ASSETS		LIABILITIES	
CASH ON HAND Bond fund	$ 148.18	WARRANTS OUTSTANDING	$
CURRENT ASSESSMENTS RECEIVABLE		BOND PRINCIPAL UNMATURED)	
DELINQUENT ASSESSMENTS RECEIVABLE		BOND PRINCIPAL DELINQUENT)	1750
MISCELLANEOUS RECEIVABLE		INTEREST DELINQUENT	
Cash on hand - Int. Fund	1685.44		
TOTAL	$ 1833.62	TOTAL	$ 1750

CAPITAL DEBT IF ALL ASSESSMENTS ARE COLLECTED..... $
ESTIMATED CURRENT AND DELINQUENT ASSESSMENTS COLLECTIBLE.....
NET CAPITAL DEBT.....
NET DEBT ADJUSTED TO AN EQUIVALENT 6% BASIS.....
NET ADJUSTED DEBT PER SUSTAINING (1).....

PAST ANNUAL ASSESSMENTS IN DOLLARS PER

ITEM:	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	AVE.
A											
B	.036	.035	.033	.035	.037	.038	.039	.026	.024	0	.033
SUB-											
TOTAL											
C							.0014	.0028	.0014	.0028	.0008
TOTAL:											

A - WARRANTS. B - BONDS & INTEREST. C - O. & M.

ESTIMATED FUTURE ANNUAL ASSESSMENTS PER SUSTAINING (1) Dollar of assessed benefits
ANNUAL B. & I. $ none ANNUAL O. & M. $ 0.003

HISTORY AND TREND OF DEBT AND ASSESSMENTS District issued $10,900 of 6% bonds in 1924, payable 1935-44. Levies made for each of years 1931-1940 inclusive. Drainage taxes paid by bonds and cash in advance of schedule. No levies made in 1941 and 1942 and no more contemplated by district directors. B&I funds on deposit with county treasurer are in excess of outstanding bonds, but this is not being used to retire outstanding bonds as claims are made by other district owners that this debt is against two parcels of land only, and such parcels are liable for it. Future O&M will be above that of last 10 years as the system now requires some maintenance expense each year.

THESE LANDS ARE all SUBJECT TO OTHER ASSESSMENTS BY Ft. Lyon Canal Co. and by lateral companies.

(1) Dollar of assessed benefits, or dollar of assessed valuation, or acre - district's method of assessment

ARBOR DRAINAGE DISTRICT

CONSTRUCTION

COST OF CONSTRUCTION: ORIGINAL $ 10,900 PRESENT UNPAID $ 1750

OUTLET OF SYSTEM: STREAM Arbor Draw to Amity Canal SEC. 36 TWP. 22S R. 48W

EFFECT OF BACKWATER none

LENGTH OF MAIN DRAIN 2 MILES; LATERALS 0 MILES. TOTAL LENGTH 2 MILES

ADEQUACY OF SYSTEM 8" to 12" tile drain running south in draw through center of district. All irrigable land appears to be adequately drained and is in cultivation. Tile line running freely.

PROBABLE NEW CONSTRUCTION None

GENERAL EFFECTIVENESS OF SYSTEM AND ADEQUACY OF PAST MAINTENANCE

System generally effective and past maintenance has been sufficient to keep the system functioning satisfactorily. A little work needed at present to protect tile from surface water entering it.

FUTURE MAINTENANCE: ANNUAL COST (1) $ 0.003 per dollar of assessed benefits

EXPECTED FUTURE ADEQUACY

System may be expected to be maintained in a satisfactory operating condition and protect land from further seepage or alkali encroachment, but at somewhat increased costs than in the past, due to age of system.. Estimated average costs $100 per year.

(1) Dollar of assessed benefits, or dollar of assessed valuation, or acre-district's method of assessment