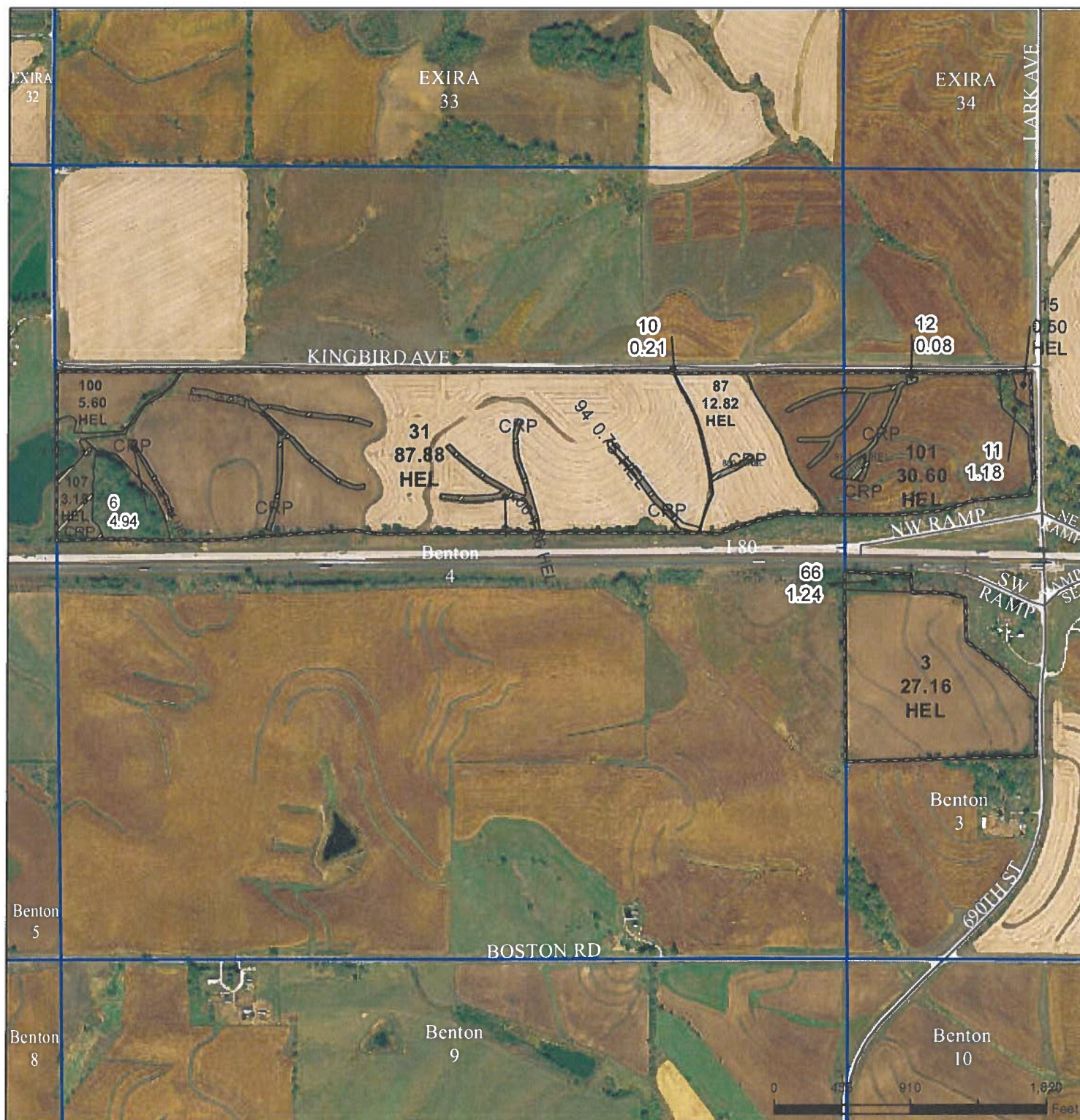




Legend



Wetland Determination

- Restricted Use
- ▼ Limited Restrictions
- Exempt from Conservation Compliance Provisions

Producer(s) & Share %

2024 Program Year

Map Created April 25, 2024

Farm 5465

Tract 7063

2023 Imagery

Tract Cropland Total: 176.19 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

USDA is an equal opportunity provider, employer, and lender.

GR NI

Terrace Layout Map

Date: 10/9/2015

Customer(s): CLINTON D SCHUTT

District: CASS SOIL & WATER CONSERVATION DISTRICT

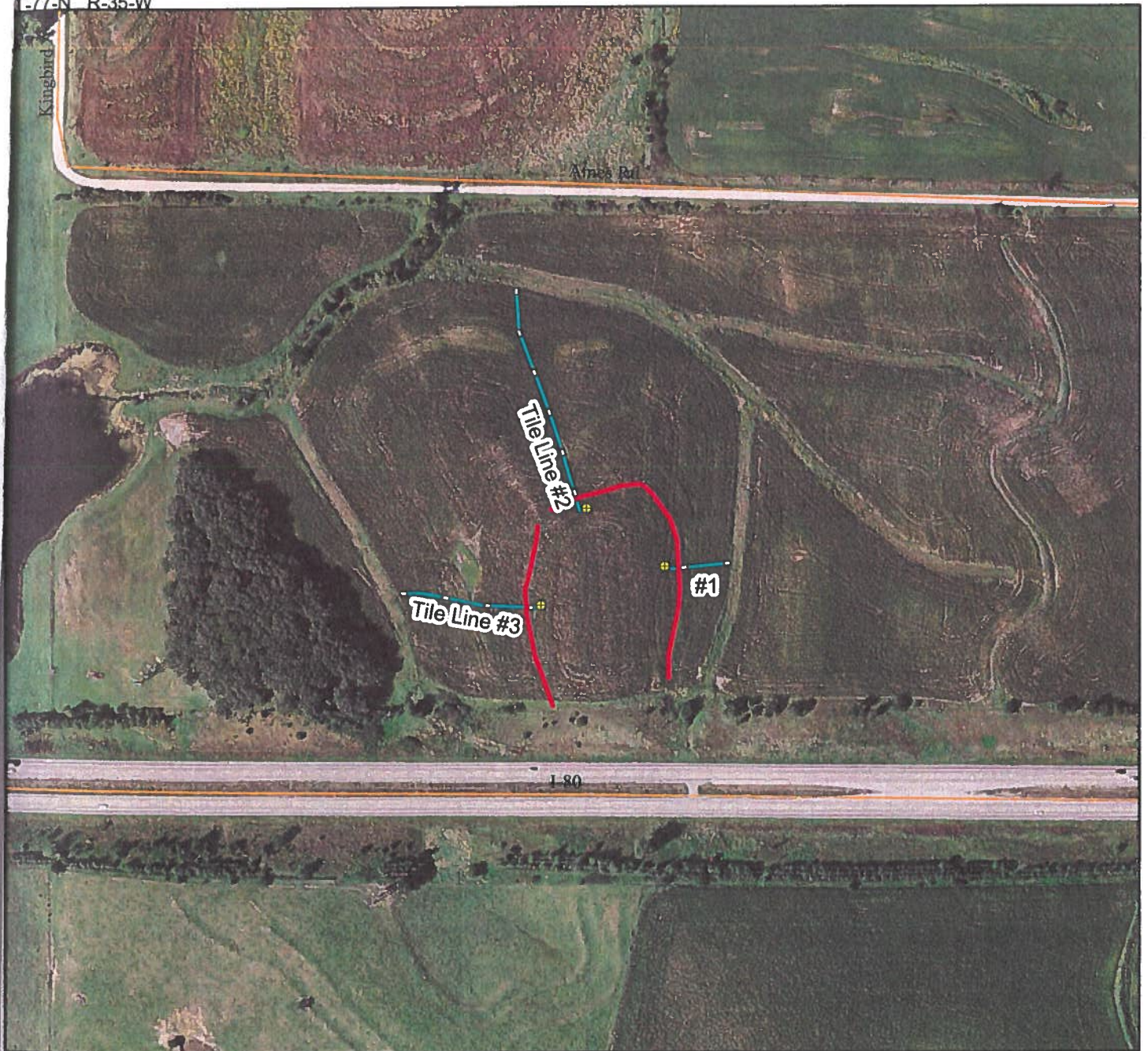
Field Office: ATLANTIC SERVICE CENTER

Agency: USDA - NRCS

Assisted By: Steve Fluckey

T 7003

Legal Description: NW 1/4 Section 4 Benton
T-77-N R-35-W



Legend

- Terrace_Fall_2015
- ⊕ Intakes_Fall_2015
- 5_Inch_Tile_Fall_2015
- Cass Co - Roads



Terrace Layout Map

Date: 5/7/2009

Customer(s): CLINTON D SCHUTT

Field Office: ATLANTIC AREA/RD SERVICE CENTER

Agency: USDA-NRCS

Assisted By: Steve Fluckey

Legal Description: SW 1/4 Section 3 Benton
T-1107



Legend

- Intakes_2009
- Terr_Spring_2009_EQIP
- Cass Co - Roads
- Cass Co - Section Lines
- Cass Co - Civil Townships



Terrace Layout Map

Date: 7/30/2012

Customer(s): CLINTON D SCHUTT

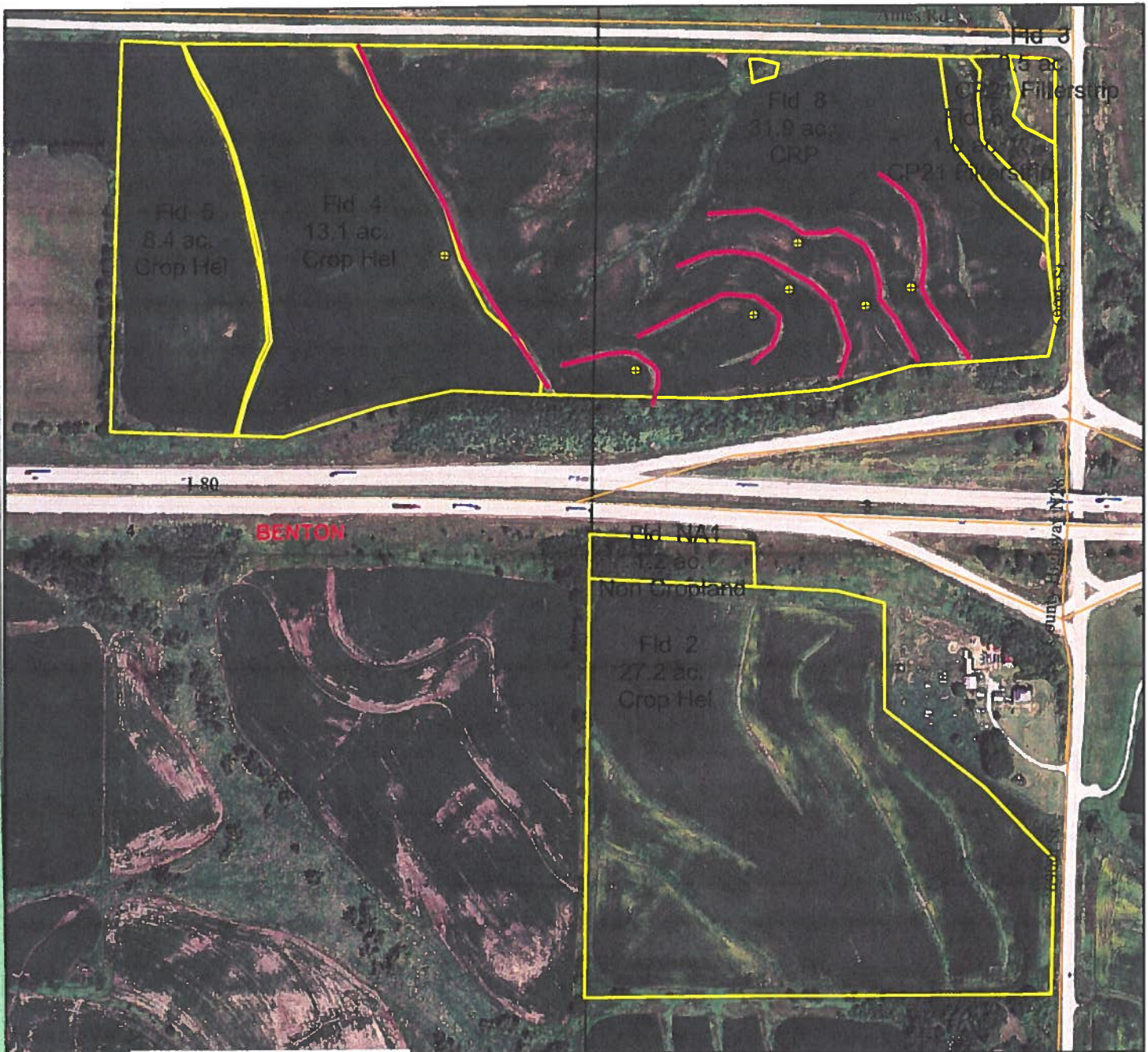
District: CASS SWCD

Legal Description: Section 3 & 4 Benton T-1107
T-77-N R-35-W Farm # 3034

Field Office: ATLANTIC AREA/RD SERVICE CENTER

Agency: USDA-NRCS

Assisted By: Steve Fluckey



Legend

- Terrace_Fall_1995
- ⊕ Intakes_Fall_1995
- Consplan-t1107
- Cass Co - Roads
- Cass Co - Section Lines
- Cass Co - Civil Townships



220 0 220 440 660 880 Feet



CONSERVATION PLAN

Date: 12/15/2011

Customer(s): CLINTON D SCHUTT

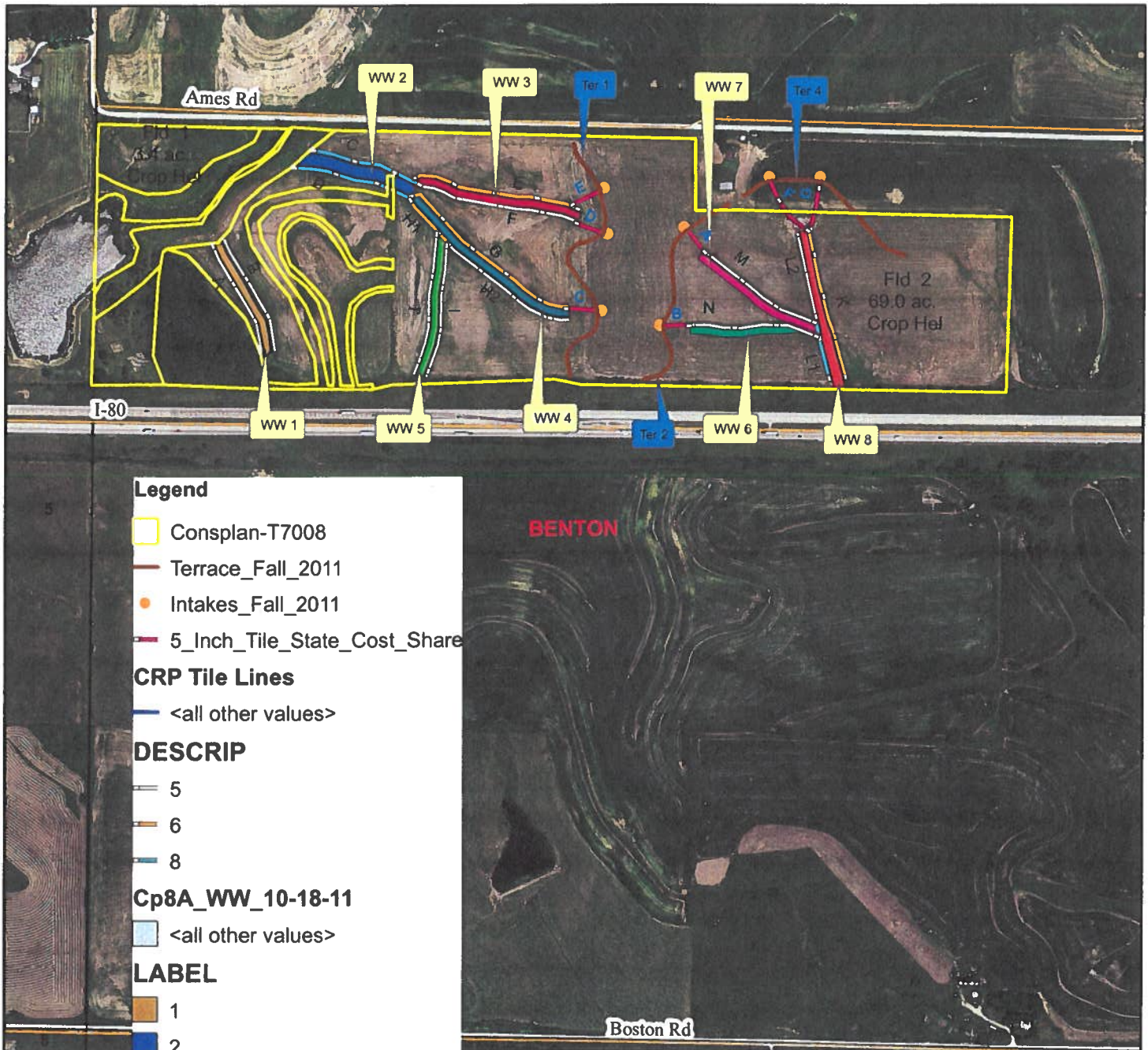
District: CASS SOIL & WATER CONSERVATION DISTRICT

Legal Description: Section 4 Benton T-7008
T-77-N, R-35-W Farm # 5422

Field Office: ATLANTIC SERVICE CENTER

Agency: NATURAL RESOURCE CONSERVATION SERVICE

Assisted By: Steve Fluckey



340 0 340 680 1,020 1,360 Feet



Terrace Layout Map

Date: 11/1/2011

Customer(s): CLINTON D SCHUTT

District: CASS SOIL & WATER CONSERVATION DISTRICT

Legal Description: Section 4 Benton
T-77-N, R-35-W

Field Office: ATLANTIC SERVICE CENTER

Agency: NATURAL RESOURCE CONSERVATION SERVICE

Assisted By: Steve Fluckey



Legend

- Terrace_Fall_2011
- Intakes_Fall_2011
- Ref_Hubs
- Rd_Culvert_I-80
- Cass Co - Roads
- Cass Co - Section Lines
- Cass Co - Civil Townships

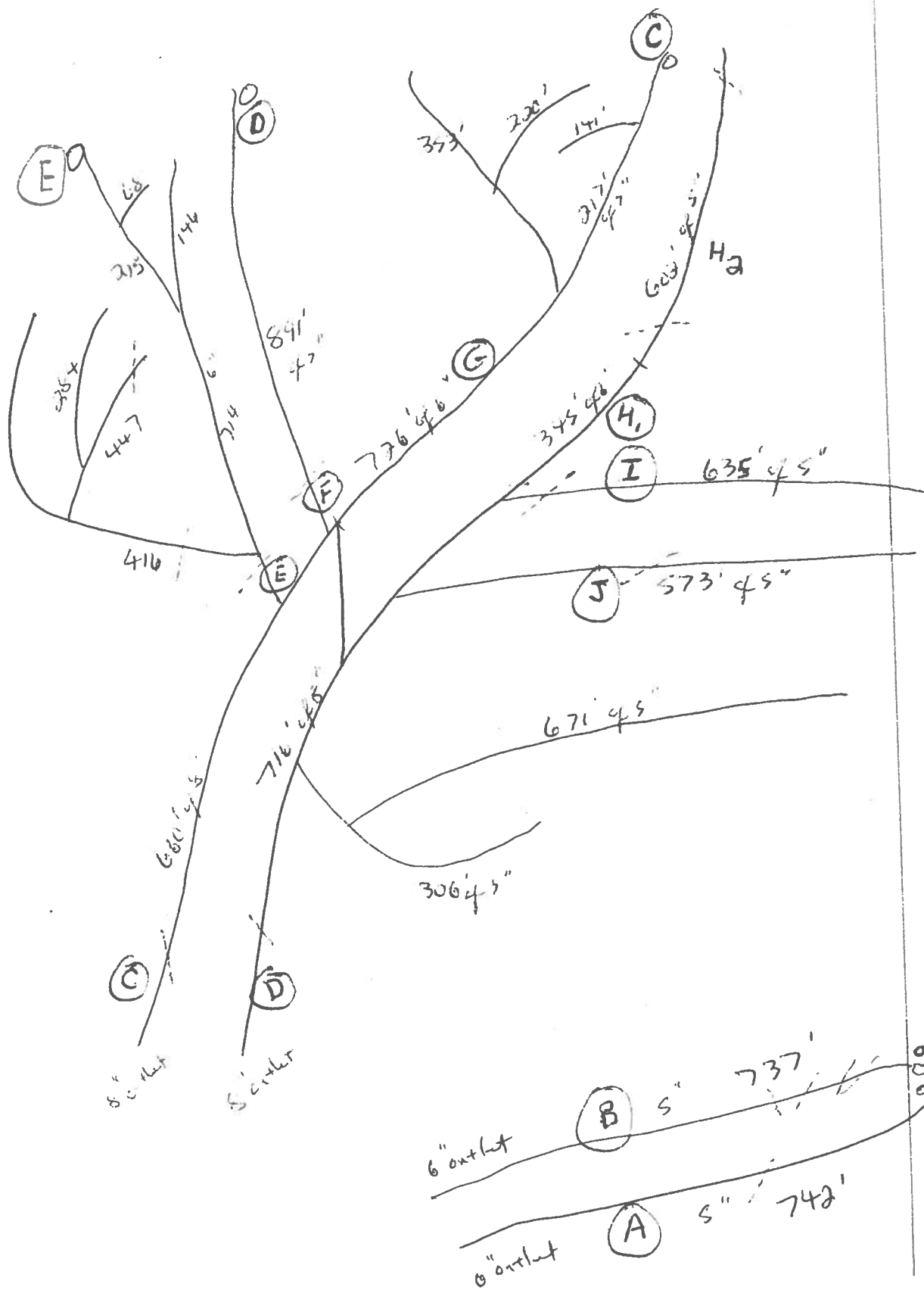


280 0 280 560 840 1,120 Feet



Clint Schult West

outlets
 :+/-+3
 Int4Kos



7
16
31
41
46
58
3

INLET DESIGN												
Intake No.	Drainage Area (acres)	Intake Capacity		Water Depth at Intake (ft)	A	B	C	D	E	F	G	
		Req'd	Provided		Orifice Diam. (in.)	Offset Diam. (in.)	Intake Diam. (in.)	Intake Hole Dimensions		Intake Height (ft.)	Additional Drain Tubing	
								Diam. or Slot size (in.)	#/ft.		Diam. (in.)	Length (ft.)
A	1.9	3.8	7.5	5.7				1"	12	4'	-	-
B	1.9	3.8	7.5	5.1				1"	12	4'	-	-
C	1.4	2.8	7.5	5.0				1"	12	4'	-	-
D	1.4	2.8	7.5	4.7				1"	12	4'	-	-
E	1.4	2.8	7.5	4.0				1"	12	4'	-	-
F	1.7	3.4	7.5	5.7				1"	12	4'	-	-
G	1.7	3.4	7.5	6.0				1"	12	4'	-	-

UNDERGROUND OUTLET DESIGN													
Line No.	Reach No.	Station to Station		Conduit Capacity		Length of Conduit (ft.)		Conduit Dia. (in.)	Conduit Material Specs.	Conduit Grade (%)		Conduit Cover (ft.)	
				Req'd	Design	Design	Install	Design	Material Type and Classification	Design	Install	Min. Req'd	Max. Allowed
A	1			7.5	16	150'	149	5"	PE	5%	5	2'	7'
B	1			7.5	16	150'	150	5"	PE	5%	5	2'	7'
C	1			7.5	16	150'	217	5"	PE	5%	5	2'	7'
D	1			7.5	16	130'	141	5"	PE	5%	5	2'	7'
E	1			7.5	16	150'	215	5"	PE	5%	5	2'	7'
F	1			7.5	16	275'	275	5"	PE	5%	5	2'	7'
G	1			7.5	16	250'	345	5"	PE	5%	5	2'	7'

☐ Contractor shall fill out shaded columns.

Type of Outlet:

- ☐ Open ditch
☒ Existing tile
☐ _____

RELIEF WELL		
Line No.	Station	Riser Dia. (in.)

STANDARD DWG. IA-1501

DATE Oct. 2008 PAGE 2 OF 2



UNDERGROUND OUTLET
 Owner: Clinton Schutt
 Location: Sec 4, T 77 N, R 35 W
Benton Township
Cass County, Iowa

Designed <u>S. Fluckey</u>	Date <u>11/11</u>	File Name
Drawn <u>S. Fluckey</u>	<u>11/11</u>	Drawing Name
Checked <u>S. Branch</u>	<u>11/11</u>	
Approved <u>Steve Hickey</u>	<u>11/9/11</u>	Sheet of

WATERWAY

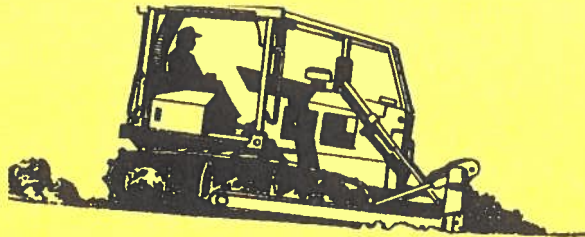
**CLINTON SCHUTT
NW 1/4 SECTION 4
BENTON TOWNSHIP
T77N R35W
TRACT # T 7008**

CRP COST SHARE

**Assisted by:
Cass County SWCD
503 W 7th STE 1
Atlantic IA 50022-1429
Phone (712)243-3180**

DESIGNED: OCTOBER 2011

CONSTRUCTED: DECEMBER 2011



**CALL IOWA ONE CALL 48 HOURS BEFORE YOU DIG
1-800-292-8989**

Waterway Layout Map

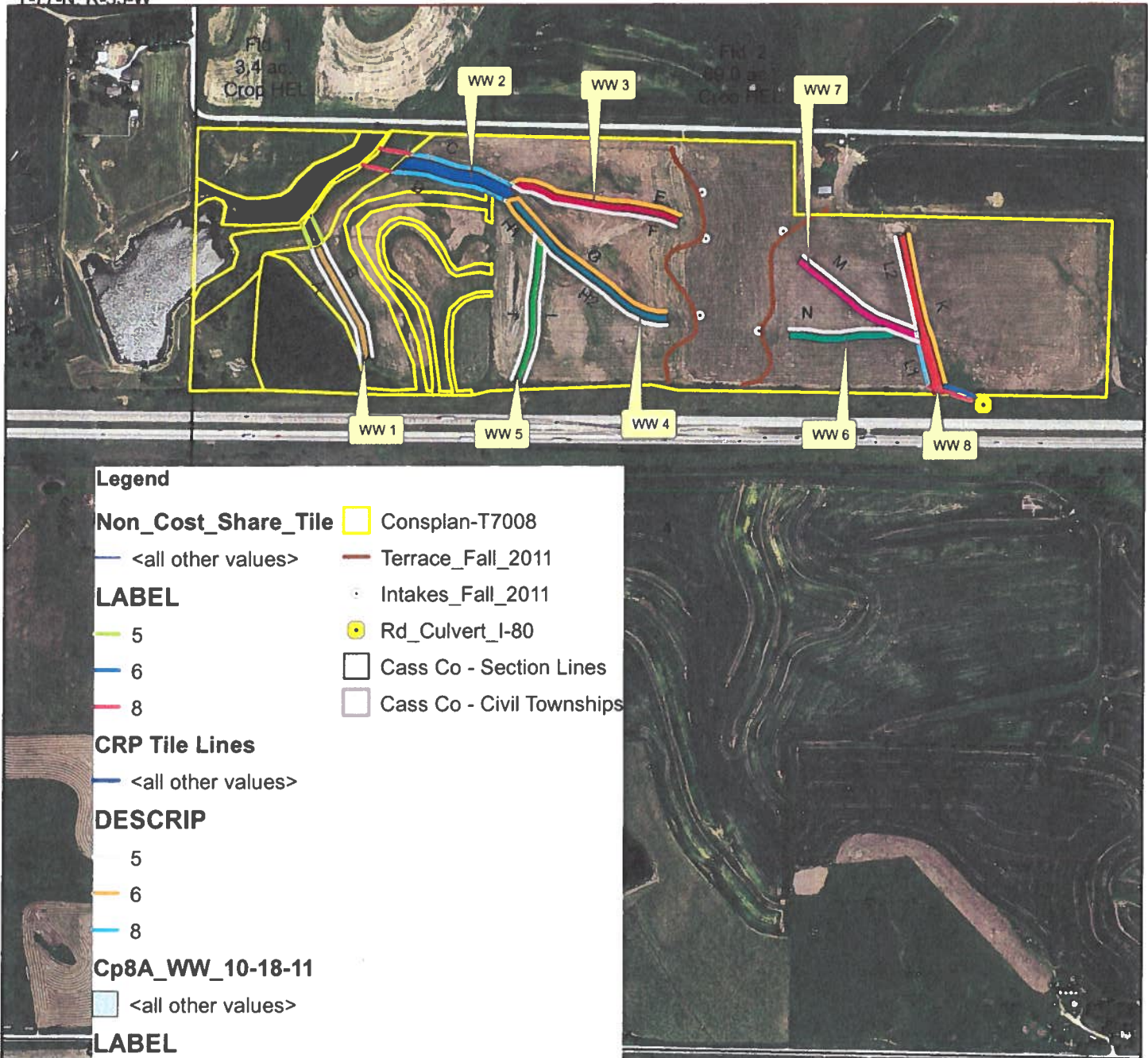
Date: 11/1/2011

Customer(s): CLINTON D SCHUTT
District: CASS SOIL & WATER CONSERVATION DISTRICT

Field Office: ATLANTIC SERVICE CENTER
Agency: NATURAL RESOURCE CONSERVATION SERVICE
Assisted By: JEFFREY SPORRER

Legal Description: Section 4 Benton
T-77-N, R-35-W

Contractor Copy



0 340 680 1,020 1,360 Feet



DESIGN DATA

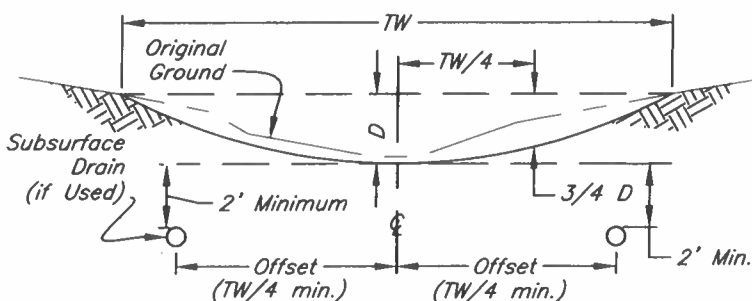
WW ID	Centerline Data		Cut or Fill at $\mathcal{C}$ from None		Reach Length	Grade	Design Top Width (TW)	Design Depth (D)	$\frac{1}{4}$ Top Width (TW/4)	$\frac{3}{4}$ Depth ($\frac{3}{4}D$)	Subsurface Drain Installation	
											No. Used (0,1,2)	Offset from w/w $\mathcal{C}$
	Station	Design Elev.	C/F	feet							No.	feet
1	0				550	3.8	30	1.0	7.5	0.8	2	20
2	0				500	2.5	50	1.2	12.5	0.9	2	30
3	0				750	5.2	30	1.0	7.5	0.8	2	20
4	0				900	4.6	30	1.0	7.5	0.8	2	20
5	0				600	4.2	30	1.0	7.5	0.8	2	20

Notes:

1. All work shall comply with Construction Specification IA-412.
2. See Sheet N/A of N/A for the Plan View.
3. See Sheet(s) N/A of N/A for the Profile(s).
4. See Sheet of for the Fabric or Rock Check details.
5. See Sheet(s) N/A of N/A for the Subsurface Drain details.

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT
Earthfill (if calculated)	<u>N/A</u>	cu. yd.
Excavation (if calculated)	<u>N/A</u>	cu. yd.
Clearing (if applicable)	<u>N/A</u>	ac.
Waterway Length	<u>0</u>	ft.
Waterway Area	<u>0.0</u>	ac.
Seeding Area		ac.
Other:		
Other:		



TYPICAL PARABOLIC CROSS SECTION

BENCH MARK

ID	Elev.	Description

STANDARD DWG. IA-1510

DATE June 2011 PAGE 1 OF 1



PARABOLIC GRASSED WATERWAY

Owner: Clint Schutt
 Location: Sec. 4, T 77 N R 35 W
Benton Township
Cass County, Iowa

Designed GRS 10/26/11
 Drawn GRS 10/26/11
 Checked DR 10/26/11
 Approved GRS 10/27/11

File Name
 Drawing Name
 Sheet 1 of 2

DESIGN DATA

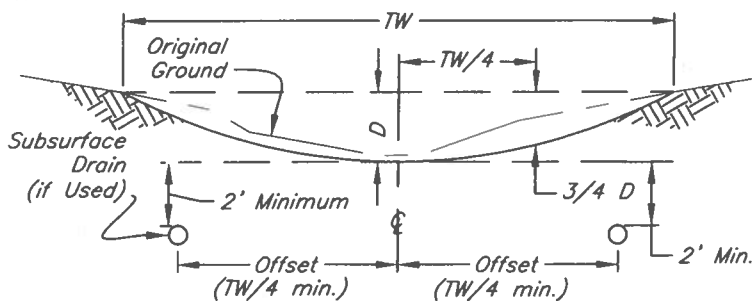
WW ID	Centerline Data		Cut or Fill at $\mathcal{C}$ from None		Reach Length	Grade	Design Top Width (TW)	Design Depth (D)	$\frac{1}{4}$ Top Width ($\frac{TW}{4}$)	$\frac{3}{4}$ Depth ($\frac{3}{4}D$)	Subsurface Drain Installation	
											No. Used (0,1,2)	Offset from w/w $\mathcal{C}$
	Station	Design Elev.	C/F	feet							No.	feet
6	0				500	8.1	30	1.0	7.5	0.8	1	20
6	500											
7	0				650	6.7	30	1.0	7.5	0.8	1	20
7	650											
8	0				250	1.8	46	1.4	11.5	1.1	2	28
8	250											
8	250				450	4.5	30	1.0	7.5	0.8	2	20
8	700											

Notes:

1. All work shall comply with Construction Specification IA-412.
2. See Sheet N/A of N/A for the Plan View.
3. See Sheet(s) N/A of N/A for the Profile(s).
4. See Sheet of for the Fabric or Rock Check details.
5. See Sheet(s) N/A of N/A for the Subsurface Drain details.

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT
Earthfill (if calculated)	N/A	cu. yd.
Excavation (if calculated)	N/A	cu. yd.
Clearing (if applicable)	N/A	ac.
Waterway Length	5150 ft. 0	ft.
Waterway Area	3.9 ac. 0.0	ac.
Seeding Area		ac.
Other:		
Other:		



TYPICAL PARABOLIC CROSS SECTION

BENCH MARK

ID	Elev.	Description

STANDARD DWG. IA-1510

DATE June 2011 | PAGE 1 OF 1



PARABOLIC GRASSED WATERWAY

Owner: Clint Schult
 Location: Sec. 4, T 77 N R 35 W
Benton Township
Cass County, Iowa

Designed QRB 10/26/11 Date
 Drawn QRB 10/26/11
 Checked Dot 10-26-11
 Approved QRB 10/27/11

File Name
 Drawing Name
 Sheet 2 of 2

[illegible][illegible]

Line No.	Station	Riser Dia. (in.)

Sheet 1 of 2

[illegible][illegible]

RELIEF WELL		
Line No.	Station	Riser Dia. (in.)

File Name
Drawing Name
Sheet 2 of 2