

Plan Map

Date: 1/5/2011

(s): H ROY LAMANSKY

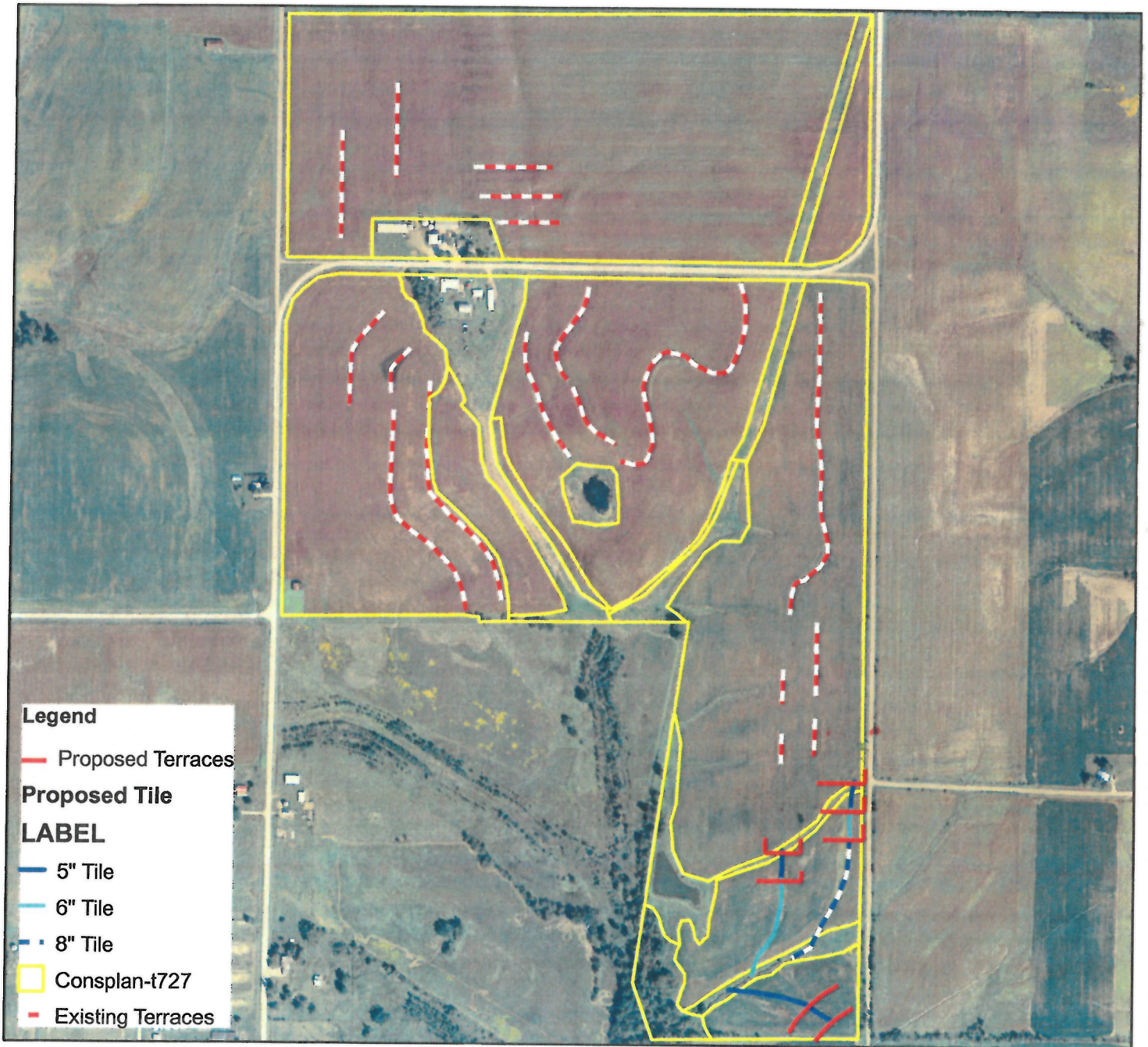
Field Office: Fairfield Service Center

District: Jefferson Soil & Water Conservation District

Agency: USDA-NRCS

Legal Description:
Tract 727, Farm 3681
Sec. 15, Penn Twp.

Assisted By: JEREMY D HOLLINGSWORTH

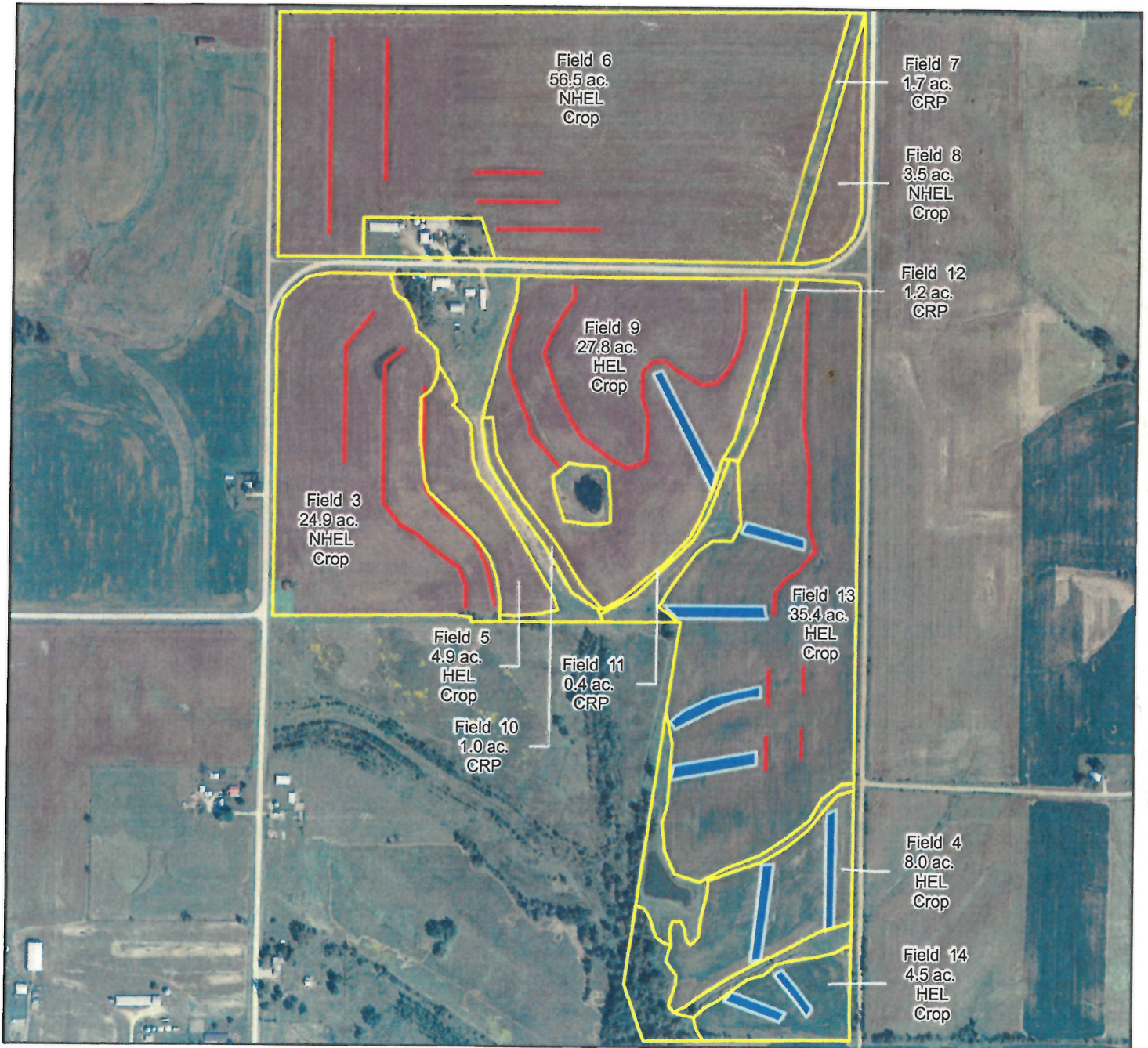


Conservation Plan Map

Date: 8/15/2011

Customer(s): H ROY LAMANSKY
District: JEFFERSON SOIL & WATER CONSERVATION DISTRICT
Legal Description:
Farm # 3681, Tract # 727
Penn Township, Section 15

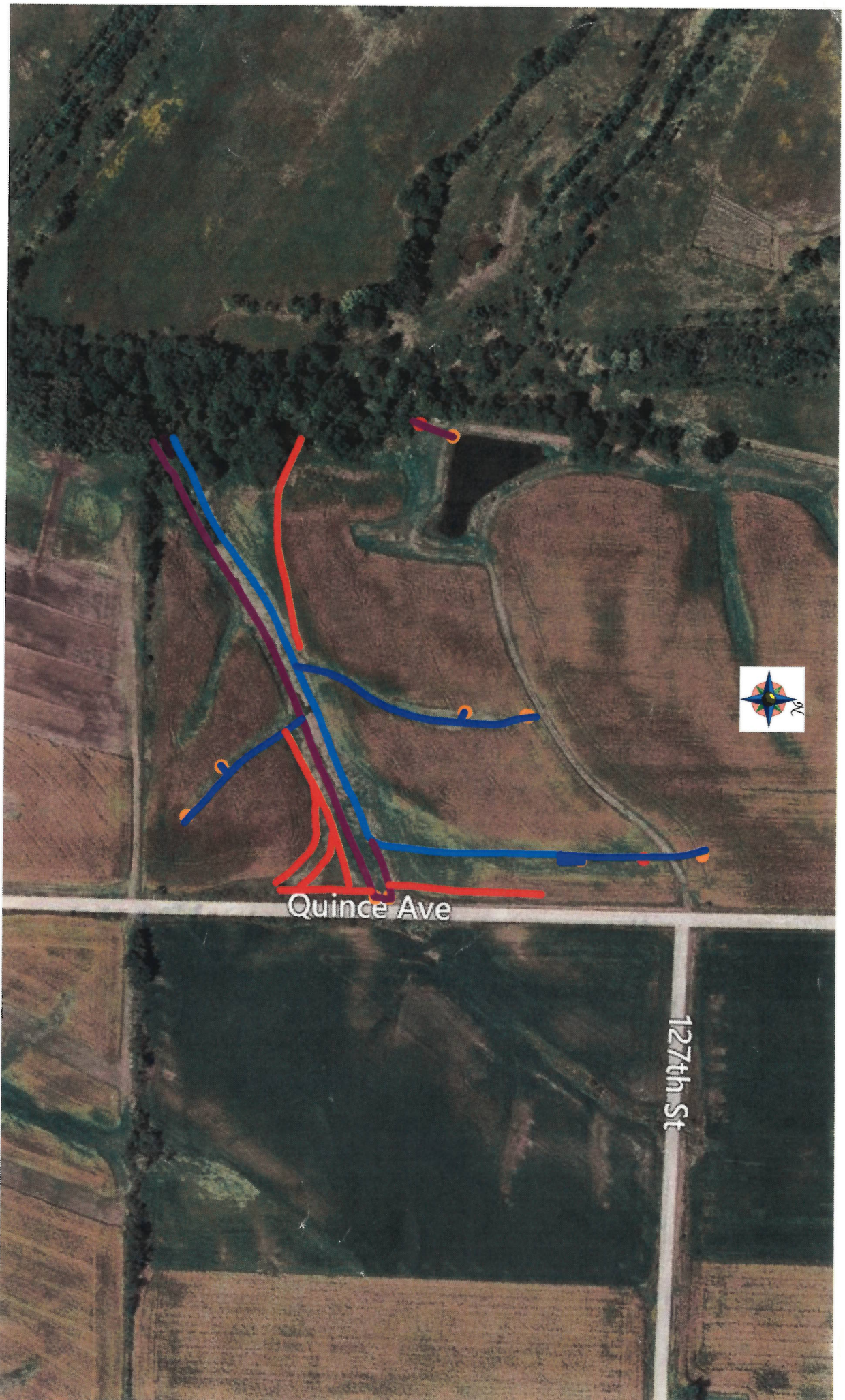
Field Office: FAIRFIELD SERVICE CENTER
Agency: USDA-NRCS
Assisted By: JENNIFER STEWART



Legend

- Consplan-t727
- Grassed Waterways
- Existing Terraces





Client: Lamansky, Roy
 Farm: Quince Ave
 Field: W7-9-13
 Name: LineFeature

This Right, D.A Drish and
 I install extra tile, I knew
 where we needed extra tile. Two 6" intake to slow water from Den Beck at Culvert own side Dirt Road

J. O. W. A.
 Iowa Land Improvement
 Contractors Association
 LICA
 Member
 D.A. DRISH DRAINAGE, INC.
 2450 Stockum Ridge Rd., Washington, IA 52583
 319-863-3021
 Dianne A. Drish 319-863-6282
 Juan Crain 641-919-4376
 drishdrainage@hotmail.com

"Dedicated to the Professional Construction of our Soil and Water"

Red	4 Inch Tile	1610.77 ft
Blue	5 Inch Tile	1216.79 ft
Purple	6 Inch Tile	1251.48 ft
Dark Blue	8 Inch Tile	1289.98 ft
Orange	12 Inch Line	39.89 ft
Yellow	Intake	0.00 ft
Black	Point	0.00 ft

Bright Red is Run
 Ideal because of
 wet spots

Jefferson County Soil & Water Conservation District - NRCS

605 South 23rd Street

Fairfield, IA 52556

(641) 472-4356

5/16/2013

Dear Mr. Lamansky:

Attached are the designs for your cost share project. You were approved on the basis of an estimate for \$9,318.62, with a cost share amount of \$4,659.30. This was only an estimate. The final break down and eligible cost share for your project are listed below.

Amount	Element		Cost		Total
Earthwork					
253 ft	Terrace BB	@	\$3.72 ft	=	\$941.16
935 ft	Terrace GB	@	\$3.70 ft	=	\$3,459.50
Tile (Underground Outlet)					
1155 ft	Tile 5"	@	\$2.78 ft	=	\$3,210.90
625 ft	Tile 6"	@	\$3.12 ft	=	\$1,950.00
1310 ft	Tile 8"	@	\$4.32 ft	=	\$5,659.20
Total Estimate:					\$15,220.76
Cost Share Amount:					\$7,610.38

If this project is built as designed you are eligible for : \$4,659.30

If you have any questions or concerns please call the office immediately at (641) 472-4356.

Absolutely **NO TILLAGE** should be done in the area work is to be completed or the project wil **NOT CONTINUE!**




We recommend that you **DO NOT** show this estimate to the contractor.

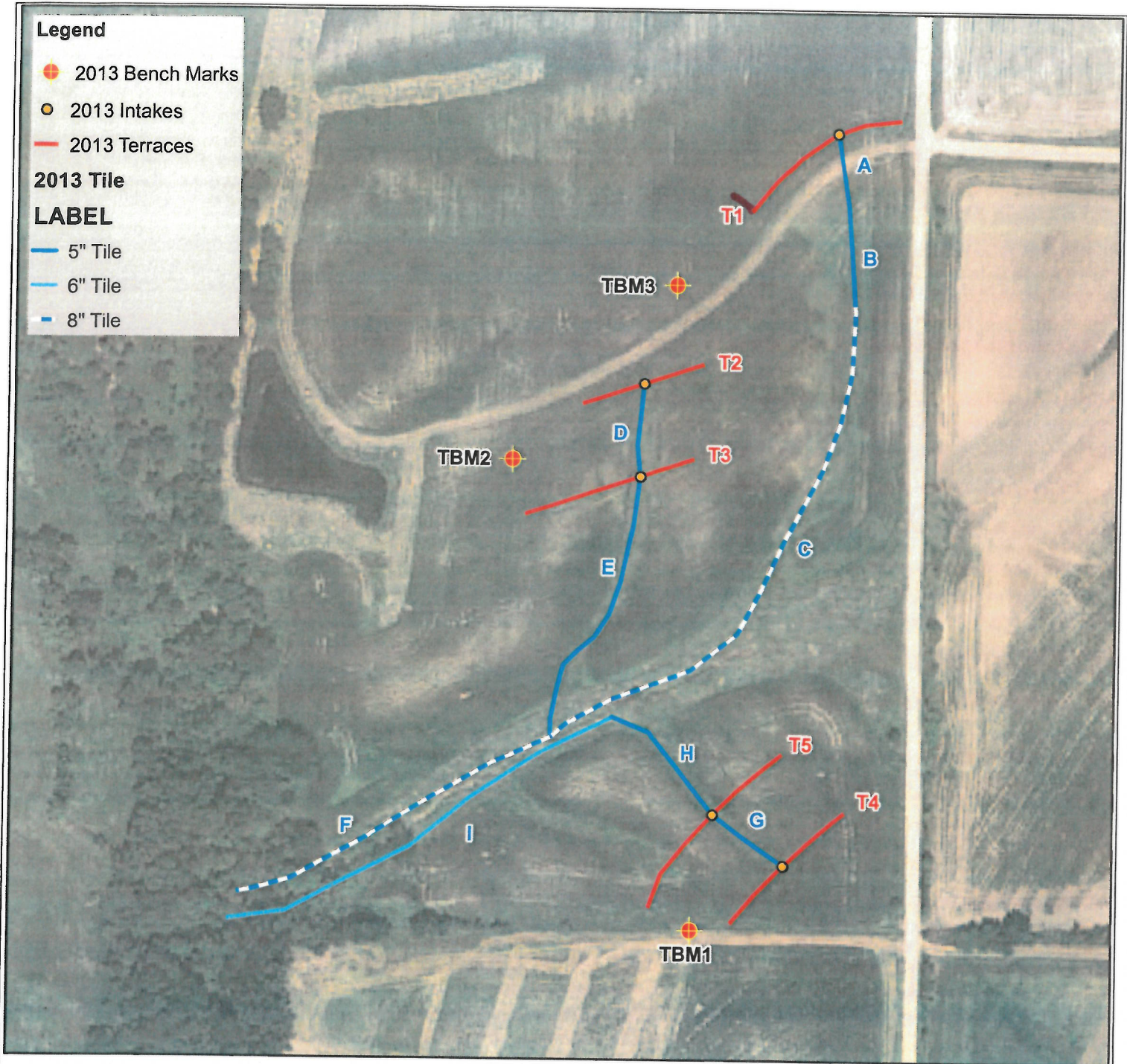
Legend

-  2013 Bench Marks
-  2013 Intakes
-  2013 Terraces

2013 Tile

LABEL

-  5" Tile
-  6" Tile
-  8" Tile



1:2,400

I have reviewed and agree with the content of the attached plan prepared by the NRCS.

Landowner: _____ Date: _____

I certify that this practice has been constructed in accordance with the plans and specifications.

Contractor: _____ Date: _____

Technician: _____ Date: _____

CONTRACTOR IS RESPONSIBLE FOR CALLING IOWA ONE CALL 1-800-292-8989

If a cultural resource is identified during construction, stop immediately and notify the Natural Resource Conservation Service Archeologist at (515) 284-4370.



Customer(s): H ROY LAMANSKY

Legal Description:
Farm # 3681, Tract # 727
Penn Township, Section 15

Designed J.Hollingsworth Date 5/2013

Drawn J.Hollingsworth 5/2013

Checked P.Wiley 5/13

Approved P.Wiley 5/13

Eng. Job Class I

Revision Date November 2009





Sheet 1 of 9

Legend

-  2013 Bench Marks
-  2013 Intakes
-  2013 Terraces

2013 Tile

LABEL

-  5" Tile
-  6" Tile
-  8" Tile
-  2013 Summer Area (7.6 ac.)



I have reviewed and agree with the content of the attached plan prepared by the NRCS.

Landowner: _____ Date: _____

I certify that this practice has been constructed in accordance with the plans and specifications.

Contractor: _____ Date: _____

Technician: _____ Date: _____

CONTRACTOR IS RESPONSIBLE FOR CALLING IOWA ONE CALL 1-800-292-8989

If a cultural resource is identified during construction, stop immediately and notify the Natural Resource Conservation Service Archeologist at (515) 284-4370.



Customer(s): H ROY LAMANSKY

Legal Description:
Farm # 3681, Tract # 727
Penn Township, Section 15

Designed J. Hollingsworth Date 5/2013

Drawn J. Hollingsworth 5/2013

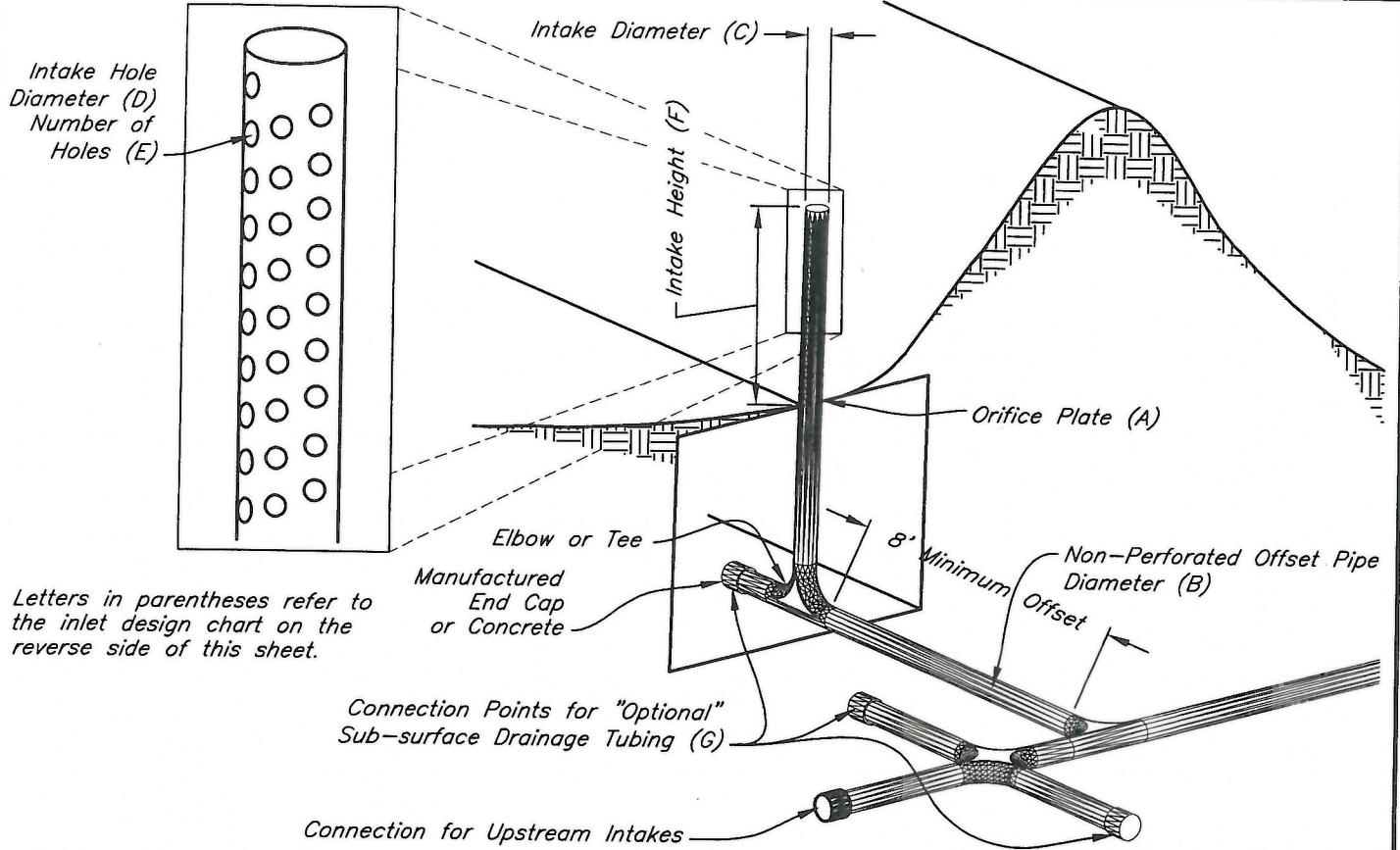
Checked P. Wiley 5/13

Approved P. Wiley 5/13

Eng. Job Class I

Revision Date November 2009

Sheet 2 of 9



OPERATION AND MAINTENANCE REQUIREMENTS

1. Periodic inspections, especially immediately following significant runoff events, to keep inlets, trash guards, and collection boxes and structures clean and free of materials that can reduce flow.
2. Prompt repair or replacement of damaged components.
3. Repair or replacement of inlets damaged by farm equipment.
4. Repair of leaks and broken or crushed lines to insure proper functioning of the conduit.
5. Periodic checking of the outlet and animal guards to ensure proper functioning.
6. Repair of eroded areas at the pipe outlet.
7. Maintain adequate backfill over the conduit.
8. Control weeds, brush, and trees that could impact the flow or function of the underground outlet by mechanical methods or chemicals

Cut 1.4 feet below natural ground to install intake T1. Install intake at elevation 733.1 (0.3 feet below TBM3).

Cut 1.0 feet below natural ground to install intake T2. Install intake at elevation 723.5 (6.3 feet above TBM2).

Cut 0.9 feet below natural ground to install intake T3. Install intake at elevation 710.6 (6.6 feet below TBM2).

Cut 0.2 feet below natural ground to install intake T4. Install intake at elevation 723.9 (2.5 feet below TBM1).

Do NOT cut below natural ground to install intake T5. Install intake at elevation 710.8 (15.6 feet below TBM1).

STANDARD DWG. IA-1501

DATE Oct. 2008 | PAGE 1 OF 2



Natural Resources Conservation Service
United States Department of Agriculture

OWNER: UNDERGROUND OUTLET
Roy Lamanski
 Location: Sec 15, T 73 N, R 9
 Penn Township
 Jefferson County, Iowa

Designed J. Hollingsworth Date 5/13
 Drawn J. Hollingsworth 5/13
 Checked P. Wiley 6/13
 Approved P. Wiley 6/13

File Name
 Drawing Name
 IA3160516
 Sheet 3 of 9

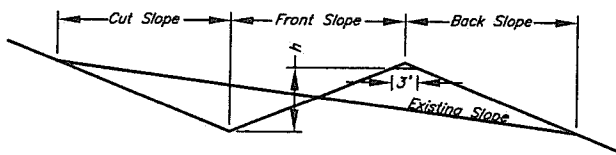
Terrace/Basin Data

Terrace No.	Terrace Type*	Length (ft.)	Front Slope	Back Slope	Min. Cut Slope (ft.)	Fill (cu.yds.)	Top Width** (ft.)
T1	BB	253	30 ft.	5:1	10:1		3
T2	GB	178	30 ft.	2:1	10:1		3
T3	GB	248	30 ft.	2:1	5:1		3
T4	GB	222	30 ft.	2:1	5:1		3
T5	GB	287	30 ft.	2:1	5:1		3

* NB (Narrow Base), GB (Grassed Backslope), BB (Broad Base), GFFB (Grassed Front Farmable Back)
 ** Applicable to 638 - Water And Sediment Control Basin (WASCB) designs.

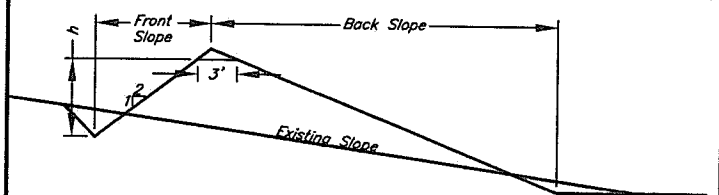
Topsoiling Required: YES NO

MINIMUM DIMENSIONS FOR BROAD BASED



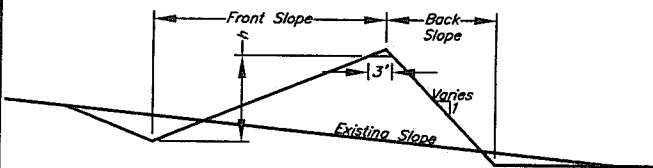
Length of cut slope, front slope and back slope shall be in increments of machinery width but not shorter than 15 feet or steeper than 5:1
 h=Design height of terrace

MINIMUM DIMENSIONS FOR GRASSED FRONT FARMABLE BACK



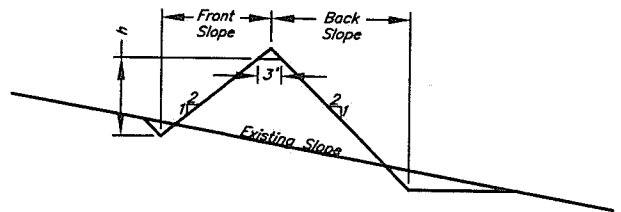
Length of back slope shall be in increments of machinery width but not shorter than 15 feet or steeper than 5:1
 h=Design height of terrace

MINIMUM DIMENSIONS FOR GRASS BACK SLOPE



Length of front slope shall be in increments of machinery width but not shorter than 15 feet or steeper than 5:1
 The back slope shall be no steeper than 2:1 except when built on Ida and Monona soil series types which may have the back slope constructed no steeper than 1.5:1
 h=Design height of terrace

MINIMUM DIMENSIONS FOR NARROW BASE



h=Design height of terrace

OPERATION AND MAINTENANCE REQUIREMENTS

- Remove sediment that has accumulated in the terrace channel to maintain the required capacity, a positive channel grade, and to maintain capacity where soil infiltration serves as the outlet.
- Repair sections of the terrace which have eroded or have excessive settlement or rodent damage.
- Repair or replace any damaged surface inlets.
- Fill any settled or eroded areas in the tile trench.
- Remove trash from around and inside the surface inlet.
- Control weeds, brush, and trees by mechanical methods or chemicals.
- Reseed and fertilize as needed to maintain good vegetation.
- Do not operate farm equipment on steep frontslopes and/or backslopes.

STANDARD DWG. IA-1500

DATE Oct. 2008 | PAGE 1 OF 1



TERRACE / BASIN PLAN

Owner: **Roy Lamanski**
 Location: Sec 15, T 73 N, R 9 W
 Penn Township
 Jefferson County, Iowa

Staked PW, JH Date 4/2013
 Designed J. Hollingsworth 5/13
 Checked P. Wiley 5/13
 Approved P. Wiley 5/13

File Name
 Drawing Name IA316051413
 Sheet 4 of 9



Contractor Cut Sheet

Project Name: Roy Lamansky
 Project Description:
 Designed by: J.Hollingsworth
 Designed By Date: 5/2013

Location:
 Practice:
 Checked by: P.W. [Signature]
 Checked By Date: 6-4-13

Terrace: T1
 Benchmark Elevation: 733.36

Terrace Type: STORAGE

Construction Style of Terrace

Broadbase Terrace

Description: TBM3-1x2 hub w/lath SW of T1 near corner of summer area

I certify that this practice has been constructed in accordance with the plans and specification

Contractor Signature _____

Date: _____

Contractor is Responsible for completing shaded CHECKOUT and signature boxes.

Technician Signature _____

Date: _____

Additional Comments

Surveyed left to right looking downstream

Contractor Cut Sheet		Project Name: Roy Lamansky							Location:				
Settled Design Ridge Elevation: 735.4		DESIGN			2.0 feet Above Hub				CHECKOUT				
Settled Design Ridge Elevation: 735.4		Settled Design Ridge from Hub =			2.0 feet Above Hub				Shot on Hub =		Hub Elevation		733.36
Comments	Station	Ref. Elev. (Flag line)	Chan. Elev.	Chan Cut/Fill	Ridge Elev.	Ridge Fill	Front Slope Width	Bottom Width	Chan.Rod	Chan. Elev.	Ridge Rod	Ridge Elev.	Difference Hub to Ridge
	0+00	736.0	736.0		736.2	0.2 F	30.0	0.0					
	0+50.0	734.6	734.1	0.5 C	735.5	0.9 F	30.0	0.0					-2.8
Intake	1+00	734.5	733.1	1.4 C	735.6	1.1 F	30.0	0.0					-2.2
	1+50.0	734.5	733.5	1.0 C	735.6	1.1 F	30.0	0.0					-2.2
	2+00	734.7	734.1	0.6 C	735.6	0.9 F	30.0	0.0					-2.2
	2+50.0	735.0	734.9	0.1 C	735.6	0.6 F	30.0	0.0					-2.2
Block	2+53.0	735.0	735.0		735.6	0.6 F	30.0	*Full-Ht. Storage Block					-2.2

The minimum Ridge Rod is the Sum of the Difference of Hub to Ridge Column + your shot on the hub



Contractor Cut Sheet

Project Name: Roy Lamansky
 Project Description:
 Designed by: J.Hollingsworth
 Designed By Date: 5/2013

Location:
 Practice:
 Checked by: **P. Wiley**
 Checked By Date: **6-4-13**

Terrace: T2
 Benchmark Elevation: 717.18
 Description: TBM2-1x2 hub w/lath SW of T2 by edge of summer area

Terrace Type: **STORAGE**
 Construction Style of Terrace: **Grass Back Terrace**

I certify that this practice has been constructed in accordance with the plans and specification

Contractor Signature _____

Date: _____

Contractor is Responsible for completing shaded CHECKOUT and signature boxes.

Technician Signature _____

Date: _____

Additional Comments: **Surveyed left to right looking downstream**

Contractor Cut Sheet		Project Name: Roy Lamansky							Location:					
Settled Design Ridge Elevation:		725.8		DESIGN			8.6 feet Above Hub			CHECKOUT		717.18		
Settled Design Ridge Elevation:		725.8		Settled Design Ridge from Hub =			8.6 feet Above Hub			Shot on Hub =		Hub Elevation		
Comments	Station	Ref. Elev. (Flag line)	Chan. Elev.	Chan Cut/Fill	Ridge Elev.	Ridge Fill	Front Slope Width	Bottom Width	Chan.Rod	Chan. Elev.	Ridge Rod	Ridge Elev.	Difference Hub to Ridge	
Block	0+00	726.3	726.3		726.6	0.3 F	0.0*	*Full-Ht. Storage Block					-9.4	
	0+50.0	725.8	724.7	1.1 C	725.9	0.1 F	30.0	0.0					-8.7	
Intake	0+89.0	724.5	723.5	1.0 C	726.0	1.5 F	30.0	0.0					-8.8	
	1+00	724.4	723.6	0.8 C	726.0	1.6 F	30.0	0.0					-8.8	
	1+50.0	724.2	724.0	0.2 C	726.0	1.8 F	30.0	0.0					-8.8	
Block	1+78.0	724.2	724.2		726.0	1.8 F	0.0*	*Full-Ht. Storage Block					-8.8	

The minimum Ridge Rod is the Sum of the Difference of Hub to Ridge Column + your shot on the hub

Contractor Cut Sheet

Project Name: Roy Lamansky
 Project Description:

Designed by: J.Hollingsworth

Designed By Date: 5/2013

Location:
 Practice:

Checked by: **P. Willey**

Checked By Date: **6-4-13**

Terrace: T3

Benchmark Elevation: 717.18

Description: TBM2-1x2 hub w/lath NW of T3 by edge of summer area

Terrace Type: STORAGE

Construction Style of Terrace

Grass Back Terrace

I certify that this practice has been constructed in accordance with the plans and specification

Contractor Signature _____

Date: _____

Contractor is Responsible for completing shaded CHECKOUT and signature boxes.

Technician Signature _____

Date: _____

Additional Comments

Surveyed left to right looking downstream

Contractor Cut Sheet		Project Name: Roy Lamansky							Location:					
Settled Design Ridge Elevation:		DESIGN							CHECKOUT					
713.4		Settled Design Ridge from Hub =			3.8 feet Below Hub				Shot on Hub =		Hub Elevation		717.18	
Comments	Station	Ref. Elev. (Flag line)	Chan. Elev.	Chan Cut/Fill	Ridge Elev.	Ridge Fill	Front Slope Width	Bottom Width	Chan. Rod	Chan. Elev.	Ridge Rod	Ridge Elev.	Difference Hub to Ridge	
	0+00	715.8	715.8		716.0	0.2 F	30.0	0.0					1.2	
	0+50.0	713.4	713.4		713.5	0.1 F	30.0	0.0					3.7	
	0+80.0	711.0	711.0		713.6	2.6 F	30.0	0.0					3.6	
	1+00	711.5	710.8	0.7 C	713.6	2.1 F	30.0	0.0					3.6	
Intake	1+20.0	711.5	710.6	0.9 C	713.6	2.1 F	30.0	0.0					3.6	
	1+50.0	711.3	711.2	0.1 C	713.6	2.3 F	30.0	0.0					3.6	
	2+00	713.5	713.5		713.7	0.2 F	30.0	0.0					3.5	
	2+48.0	714.3	714.3		714.5	0.2 F	30.0	0.0					2.7	

The minimum Ridge Rod is the Sum of the Difference of Hub to Ridge Column + your shot on the hub



Contractor Cut Sheet

Project Name: Roy Lamansky
 Project Description:
 Designed by: J.Hollingsworth
 Designed By Date: 5/2013

Location:
 Practice:
 Checked by: P.W:ley
 Checked By Date: 6-4-13

Terrace: T4
 Benchmark Elevation: 726.41
 Description: TBM1-1x2 hub w/lath between T4 & T5 along South fence
 Terrace Type: STORAGE
 Construction Style of Terrace: Grass Back Terrace

I certify that this practice has been constructed in accordance with the plans and specification

Contractor Signature _____ Date: _____
 Technician Signature _____ Date: _____
 Contractor is Responsible for completing shaded CHECKOUT and signature boxes.

Additional Comments

Surveyed left to right looking downstream

Contractor Cut Sheet		Project Name: Roy Lamansky							Location:				
Settled Design Ridge Elevation:		727.1		DESIGN			CHECKOUT			726.41			
		Settled Design Ridge from Hub =		0.7 feet Above Hub			Shot on Hub =		Hub Elevation		726.41		
Comments	Station	Ref. Elev. (Flag line)	Chan. Elev.	Chan Cut/Fill	Ridge Elev.	Ridge Fill	Front Slope Width	Bottom Width	Chan.Rod	Chan. Elev.	Ridge Rod	Ridge Elev.	Difference Hub to Ridge
Block	0+00	727.1	727.1		727.4	0.3 F	0.0*	*Full-Ht. Storage Block					-1.0
	0+50.0	725.4	725.4		727.4	2.0 F	30.0	0.0					-1.0
	1+00	724.0	724.0		727.4	3.4 F	30.0	0.0					-1.0
Intake	1+05.0	724.1	723.9	0.2 C	727.4	3.3 F	30.0	0.0					-1.0
	1+50.0	725.2	725.2		727.4	2.2 F	30.0	0.0					-1.0
	2+00	727.8	727.8		728.0	0.2 F	30.0	0.0					-1.6
	2+22.0	728.2	728.2		728.4	0.2 F	30.0	0.0					-2.0

The minimum Ridge Rod is the Sum of the Difference of Hub to Ridge Column + your shot on the hub



Contractor Cut Sheet

Project Name: Roy Lamansky
 Project Description:
 Designed by: J.Hollingsworth
 Designed By Date: 5/2013

Location:
 Practice:
 Checked by: P. Wiley
 Checked By Date: 6-4-13

Terrace: T5
 Benchmark Elevation: 726.41
 Description: TBM1-1x2 hub w/lath between T4 & T5 along South fence
 Terrace Type: STORAGE
 Construction Style of Terrace: Grass Back Terrace

I certify that this practice has been constructed in accordance with the plans and specification

Contractor Signature: _____ Date: _____
 Technician Signature: _____ Date: _____
 Contractor is Responsible for completing shaded CHECKOUT and signature boxes.

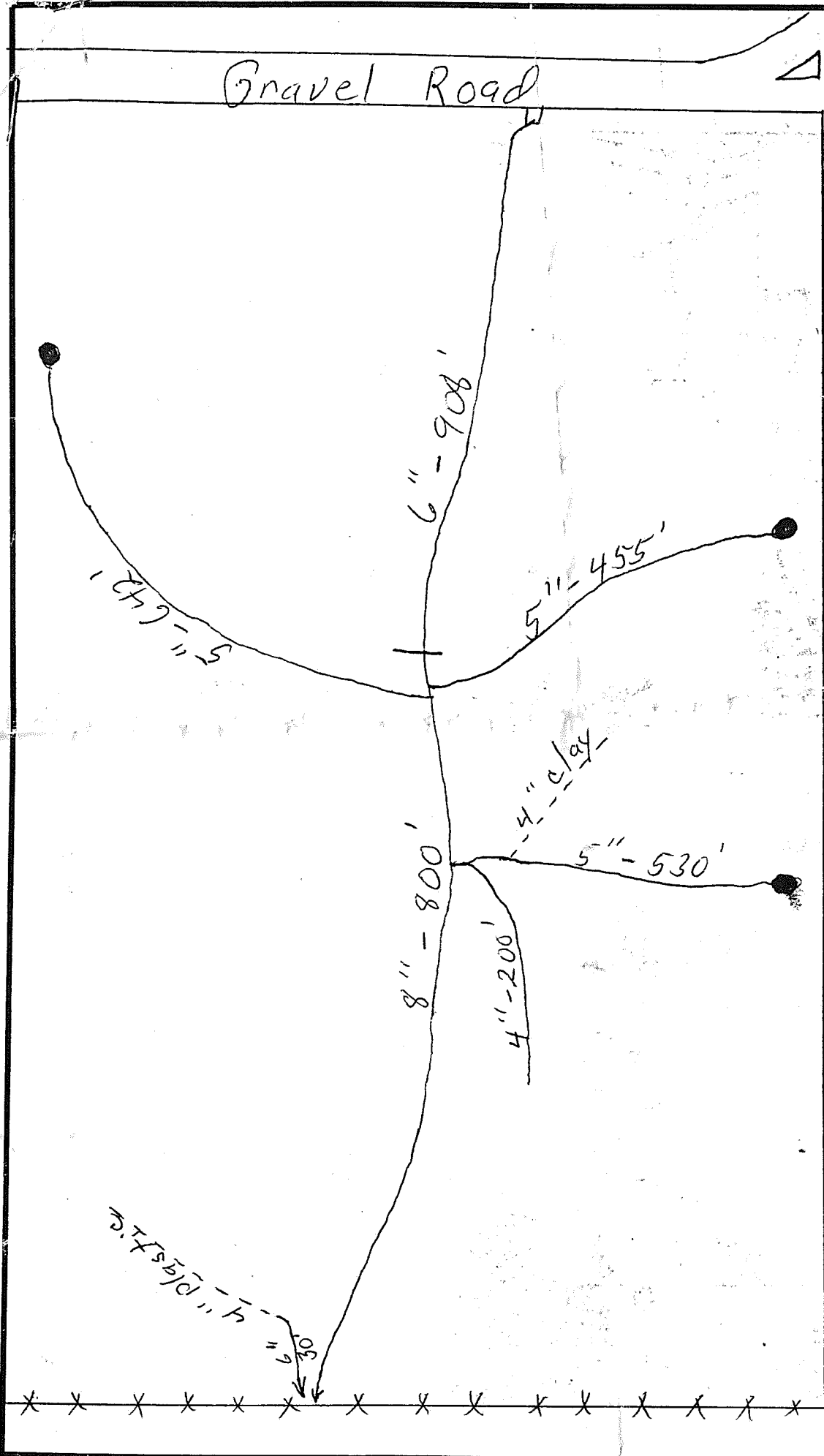
Additional Comments

Surveyed left to right looking downstream

Contractor Cut Sheet		Project Name: Roy Lamansky							Location:				
Settled Design Ridge Elevation:		713.7		DESIGN Settled Design Ridge from Hub =			12.7 feet Below Hub		CHECKOUT Shot on Hub =		Hub Elevation		726.41
Comments	Station	Ref. Elev. (Flag line)	Chan. Elev.	Chan Cut/Fill	Ridge Elev.	Ridge Fill	Front Slope Width	Bottom Width	Chan.Rod	Chan. Elev.	Ridge Rod	Ridge Elev.	Difference Hub to Ridge
	0+00	718.7	718.7		719.0	0.3 F	30.0	0.0					7.4
	0+50.0	713.2	713.2		713.9	0.7 F	30.0	0.0					12.5
	1+00	712.0	712.0		713.9	1.9 F	30.0	0.0					12.5
	1+50.0	710.9	710.9		714.0	3.1 F	30.0	0.0					12.4
Intake	1+59.0	710.8	710.8		714.0	3.2 F	30.0	0.0					12.4
	2+00	711.8	711.8		714.0	2.2 F	30.0	0.0					12.4
	2+50.0	714.6	714.6		714.9	0.3 F	30.0	0.0					11.5
Block	2+87.0	716.2	716.2		716.5	0.3 F	0.0*						9.9

The minimum Ridge Rod is the Sum of the Difference of Hub to Ridge Column + your shot on the hub

Southeast Side of Highway from Parcel Section 15 Roy Jan



Dirt Road

TOLERANCES (EXCEPT AS NOTED)		REVISIONS		DRAWN BY <i>Phil Daid</i>	SCALE	MATERIAL
DECIMAL	FRACTIONAL	NO.	DATE			
±	±	1		<i>Phil Daid</i>		
±	±	2				
±	±	3				
±	±	4				
±	±	5				

Roy Lamanski

DATE 3/9/87

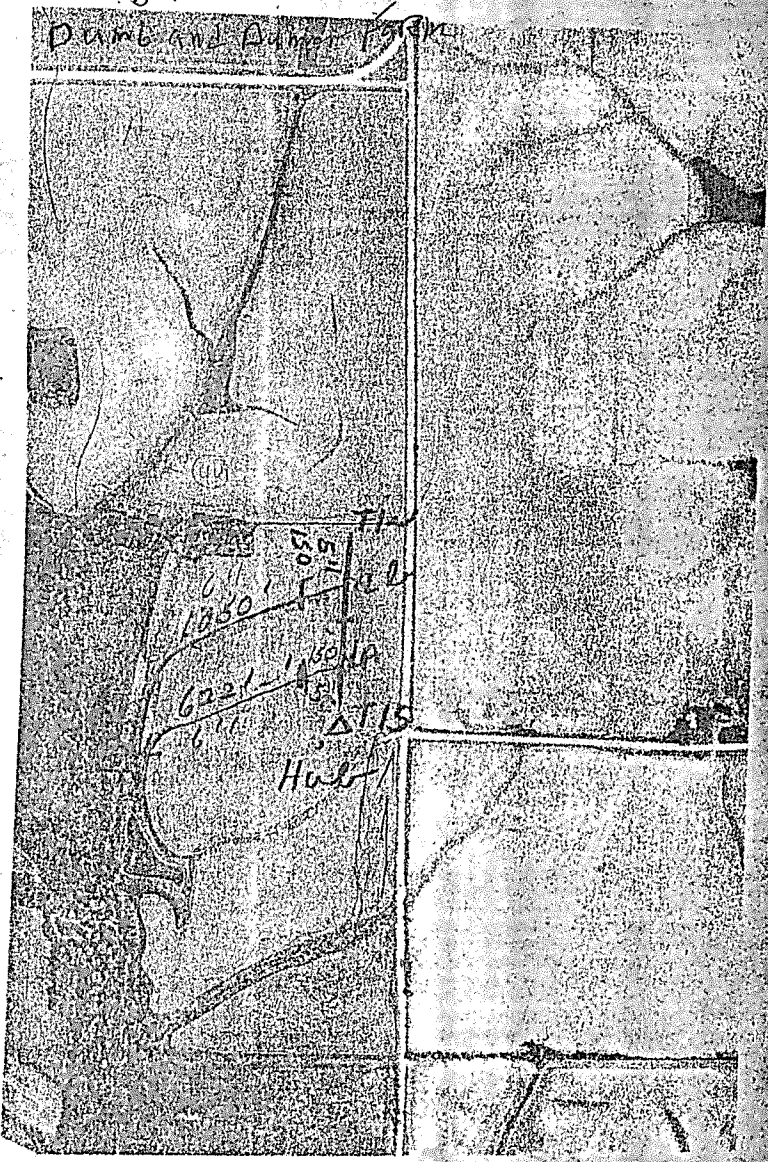
- = Fence
- = Intake
- = Line change



Inch	From	To	Size	Length	Grade

IOWA one CALL 800-292-8989
 Contractor

D-R Farm



MATERIALS:
 EARTH FILL - 2000 cy gds.

INTAKES-
 4 EA - 5" intakes

TILE -
 5" tile = 300 FT
 6" tile = 1672 FT

OUTLETS- 2 EA - 6" outlets

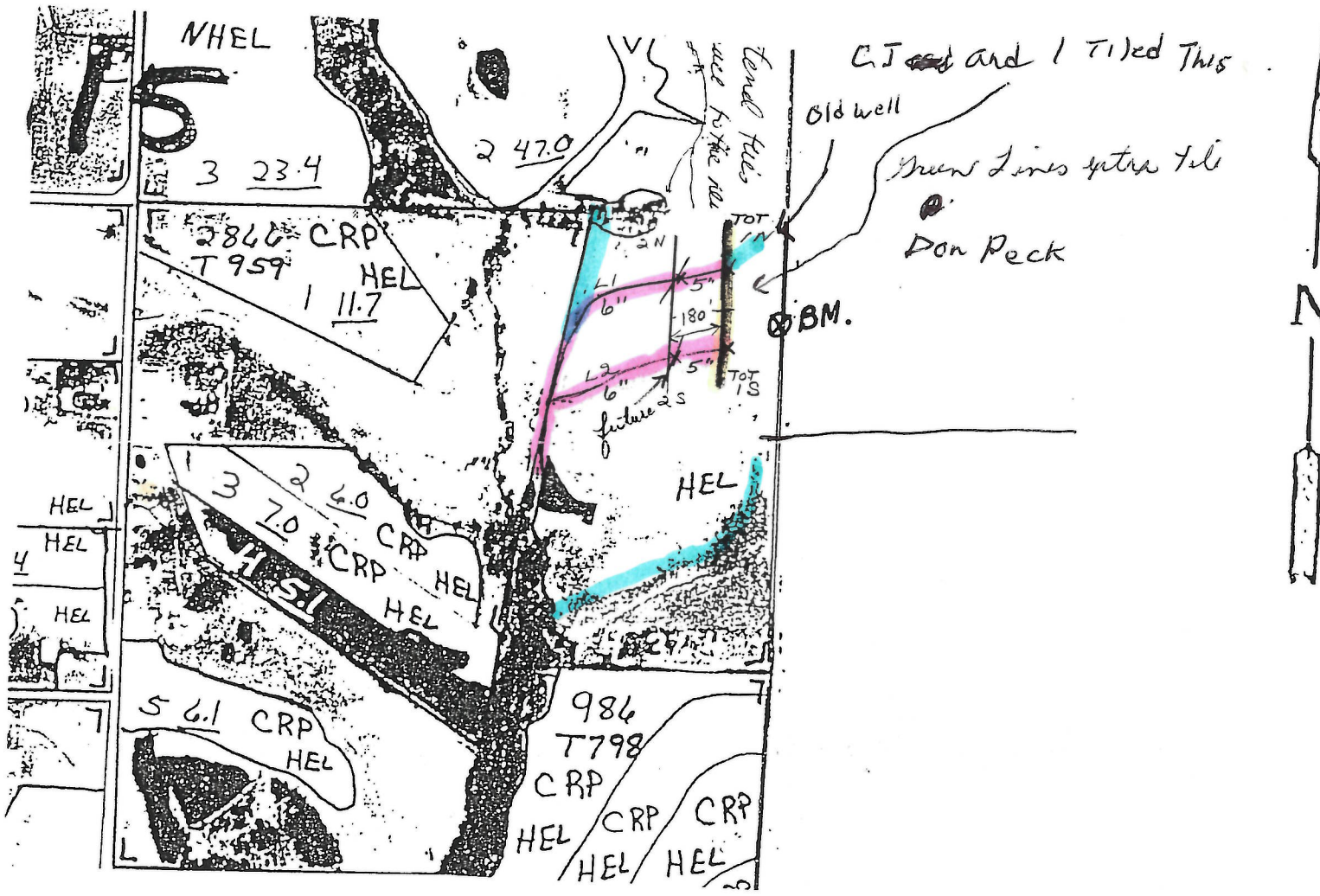
COOPERATOR Roy Lemanski
 TWP Dana SEC 15 T 73 R 9
 COUNTY Jefferson STATE IA
 SURVEYED Chalk Perrot DATE 04-23-01

TBM
 Top of Hub south of road

U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE

Designed <u>Chalk Perrot</u>	Date	Approved by <u>Perrot</u>
Drawn <u>g/c</u>		Title <u>St...</u>
Staked		Title
Checked <u>M/PM 4/21/01</u>	Sheet No. 1	Drawing No.

Landscape



Topsoil only

MATERIALS: 650 ft. Narrow front
Farmable back

INTAKES-
4 - 5" intakes all 3' tall from
natural ground.

TILE-
400 ft. 5"
1325 ft. 6"
300 ft. 8" (may not be needed if
put into drainage ditch)

OUTLETS-
1 - 8" outlet.

COOPERATOR <u>Roy Lamansky</u>	
TWP <u>Penn</u>	SEC <u>15</u> T <u>R</u>
COUNTY <u>Jeff.</u>	STATE <u>La.</u>
SURVEYED <u>J. Johnston</u>	DATE <u>11-21-00</u>
TBM <u>Nail in fence post, East</u>	
 U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	
Designed <u>J. Johnston</u>	Approved by <u>J. Johnston</u>
Drawn <u>J. Johnston</u>	Title.....
Staked.....	Title.....
Checked.....	Sheet No. <u>of</u>
	Drawing No.

STATE COST SHARE RATES

NAME Ray Lannusky DATE 11-21-00

EARTHWORK TOTAL 50% COST SHARE

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	OR	ALTERNATE PRICE	TOTAL
Terrace or Basin BROADBASE	_____	ft. at	2.50	or	1.25 per ft.	_____
GRASSBACK	<u>650</u>	ft. at	2.24	or	1.12 per ft.	<u>728</u>
NARROWBASE	_____	ft. at	1.74	or	.87 per ft.	_____
TILE						
5" Tile	<u>400</u>	ft. at	1.10	or	.55 per ft.	<u>220.00</u>
8" Tile	<u>1325</u>	ft. at	1.26	or	.63 per ft.	<u>834.75</u>
8" Tile	<u>300</u>	ft. at	2.00	or	1.00 per ft.	<u>300.00</u>
10" Tile	_____	ft. at	3.10	or	1.55 per ft.	_____
12" Tile	_____	ft. at	4.20	or	2.10 per ft.	_____
INLETS						
5" Regular	<u>2</u>	un. at	<u>80.00</u>		<u>40.00</u>	<u>80.00</u>
6" Regular	_____	un. at	100.00	or	50.00 per ea.	_____
8" Regular	_____	un. at	120.00	or	60.00 per ea.	_____
10" Regular	_____	un. at	130.00	or	65.00 per ea.	_____
5" offset	<u>2</u>	un. at	<u>90.00</u>		<u>45.00</u>	<u>90.00</u>
6" Offset	_____	un. at	115.00	or	57.50 per ea.	_____
8" Offset	_____	un. at	130.00	or	60.00 per ea.	_____
12" regular (slotted)	_____	UN at	210.00		105.00 per ea.	_____
OUTLETS						
5" 16'	_____	un. at	100.00	or	50.00 per ea.	_____
6" 16'	_____	un. at	100.00	or	50.00 per ea.	_____
8" 16'	<u>1</u>	un. at	110.00	or	55.00 per ea.	<u>55</u>
10" 20'	_____	un. at	130.00	or	65.00 per ea.	_____
12" 20'	_____	un. at	160.00	or	80.00 per ea.	_____

TILE INCLUDES TEES, WYES, COUPLERS, TAPE, TRENCHING, ETC.
 INLETS INCLUDE BACKHOE AND MATERIALS.
 OUTLETS INCLUDE BACKHOE AND ANIMAL GUARD.
 (un=unit)

COST SHARE AMOUNT 2537.76 ^{use 9/5} / 2600.00
2307.75 + 230
 TOTAL AMOUNT 5200.00

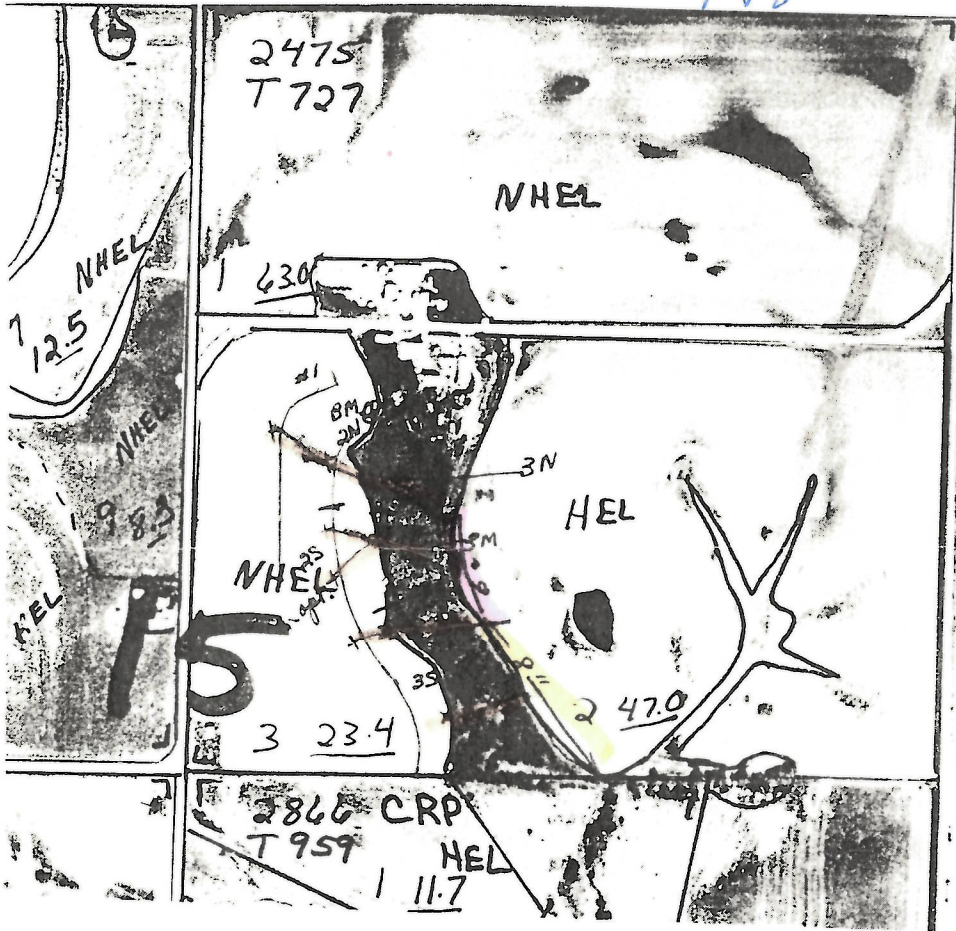
11290.40 = 5055
 @ .50
 650 @ 1.12 = 728

ST IN 4' 8" only

would like to let into drainage ditch for the way to rd. No 8" needed be necessary

Line	From	To	Size	Length	min Grade
1	cut	let	8"	600	1.6
2	let	etc	6"	600	1.6
3	lat	etc	5"	1830	2

Now there is tile on both sides of the ditch. This map shows the tile on west side and the other map is a copy of an old map that shows two tile lines on the east side of the ditch. I put those in as soon as we started farming the pasture ground.



Now there is tile on both sides of the ditch. This map shows the tile on west side and the other map is a copy of an old map that shows two tile lines on the east side of the ditch. I put those in as soon as we started farming the pasture ground.

CURT this is south of Hoase Home Farm

T727
field 3 NHEL
600 - 3100 ft.
620 - 3543
TBA - 51505
As. Ben. 12ac.

MATERIALS:

INTAKES-

TILE-

600 - 8" 550'
800 - 6" 647'
1830 - 5" 2346'

OUTLETS-

COOPERATOR Ray Livingston
 TWP Penn SEC 15 T 73 R 09
 COUNTY Jeff STATE La
 SURVEYED Johnston DATE 10-97
Wilson
 TBM top of west gate post, ribbon

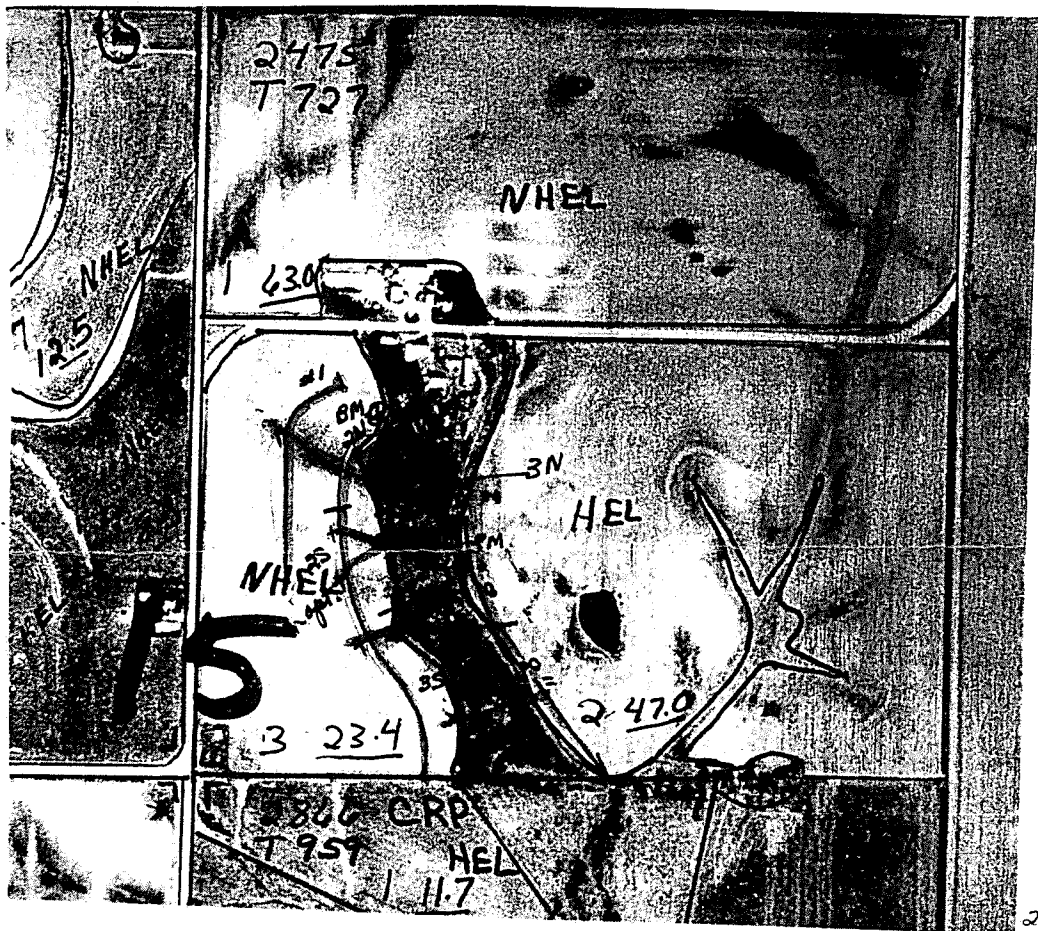
U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed by Johnston Date 10-97
 Approved by J. Johnston
 Drawn Johnston Title tile
 Staked..... Title.....
 Checked..... Sheet No. Drawing No.
 of

Life	From	To	Size	Length	min Grade
M	cut	lat	8"	600	1.6
	lat	lat	6"	600	1.6
all	laterals		5"	1830	2

Call ONE-CALL 2 days prior to any excavation
1-800-292-8939

FILE COPY



T 727
field 3 NHEL
600 - 3100 ft.
620 - 3543
28102 TBA - 51505
Ac. Ben. 12 ac.

MATERIALS: 1950' Broad Base TOT 142 } 3100ft constructed.
600' Grasshock TOT 3: +550 }

INTAKES-
8- 6" intakes
9- 6" intakes installed

TILE -
600 - 8" 550'
800 - 6" 647'
1830 - 5" 2346'

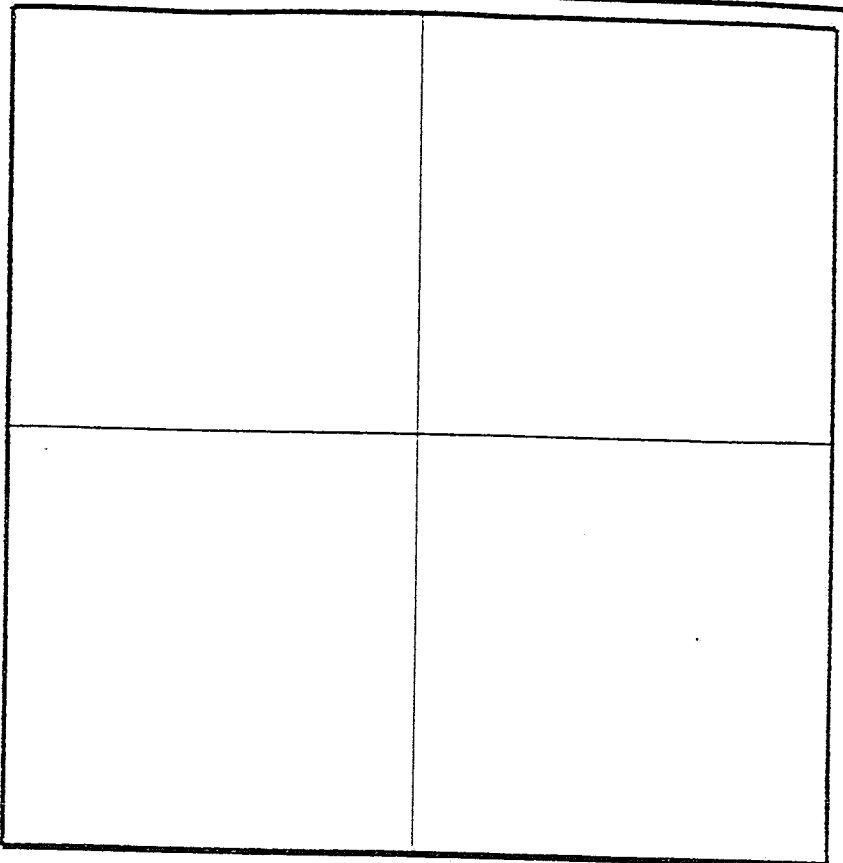
OUTLETS-
1- 8" w/guard.
1- 8" w/guard installed

COOPERATOR Ray L. Lonsky
TWP Penn SEC 15 173 09
COUNTY Jeff STATE La
SURVEYED Johnston DATE 10-97
Hilson

TBM Top of west gate post, ribbon

**U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE**

Designed <u>Johnston</u> Date	Approved by <u>J. Johnston</u>
Drawn <u>Johnston</u>	Title <u>Hilson</u>
Staked	Title
Checked <u>Hilson</u>	Sheet No.
	Drawing No.



Scale: 1" = 1,320'

Location Map

Materials and Construction shall be in accordance with Construction Specification for Underground Outlets (Iowa Std. 620)

Lowa Standard Drawing

Underground Outlet

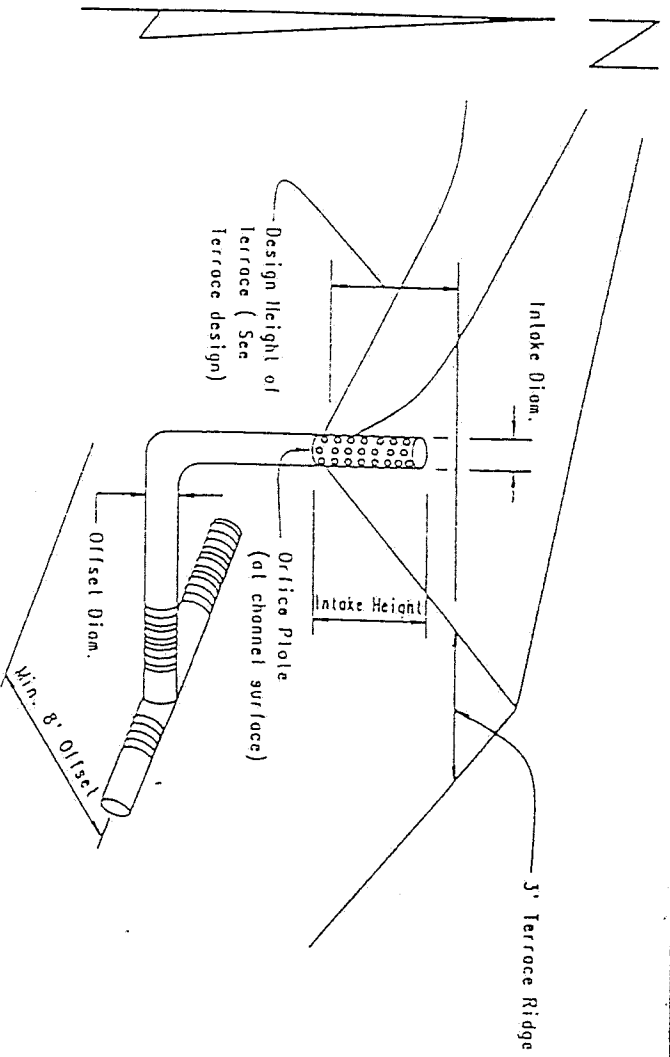
Standard Drawing No. 854

DATE: 7-95

Sheet 1 of 2

I Certify that I have installed the materials as shown on the tables on sheet 2, and that they have been installed in accordance with the plans and specifications.

Contractor W.A. Miller Date 8/12/95



At least 48 hours prior to performing any excavation, the contractor is responsible for notifying Iowa One Call to locate utilities. Call 1-800-292-9989.

Is a cultural resource located near the project (e.g. archeological)?

YES

NONE KNOWN

If YES, Describe:

If a cultural resource is identified during construction, immediately notify the Cultural Resource Coordinator for the Natural Resources Conservation Service (515-284-4172)

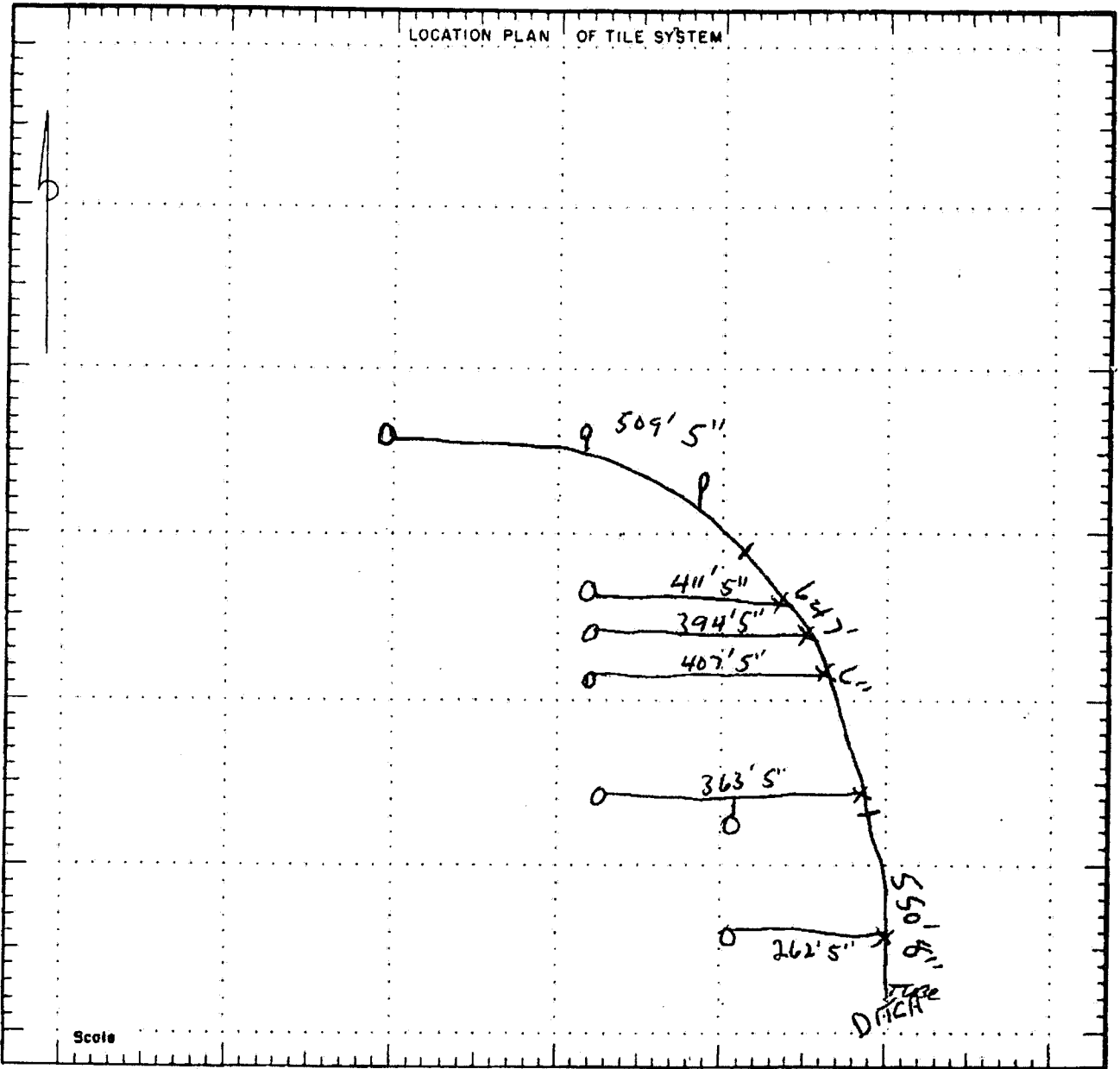
OWNER <u>Ray Johnson</u>	
LOCATION <u>Jefferson</u>	SEC. <u>T</u> N. <u>N</u> R. <u>W</u>
COUNTY, IOWA	
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	
Designed _____	Date _____
Drawn _____	Approved by _____
Slaked _____	Sheet No. _____
Checked _____	Drawing No. _____

MILLER WELDING & TILING, INC.

WASHINGTON, IOWA

"SATISFACTION GUARANTEED"

PHONE: (319) 653-2553



MATERIAL USED	
9 - 6" RISE	Complete installed
5 -	Hookups
1 - 8" PVC TUBE	Guard
1 - 8" CONNECTION	
1 - 8x6	Reducer
1 - 6x5	Reducer
1 - 6" COUPLER	
4 - 6x5	TIES

— LEGEND —

Permanent Fence ———— X ———— X ———— X

Tile Lines ———— ● ———— ● ———— ●

Connection X

Existing Shallow Ditch ———— → ———— → ———— →

Existing Deep Ditch ———— = = = = =

Terrace Intake ○

OWNER ROY LAMNICKY

TOWNSHIP _____

SECTION _____ TOWN Fairfield

COUNTY Jefferson STATE IA

DATE 11/26/97 SIGNED RL

INV# 6189

1055 from identification map



NOT TO SCALE (1978 FLIGHT) JEFFERSON CO.

H-3

— terraces built

— waterways
& field borders



D.A. Drish Drainage, Inc.

2450 Sockum Ridge Rd., Washington, IA 52353
 319-863-3021 drishdrainage@hotmail.com
 www.dadrishdrainage.com

INVOICE

DATE	INVOICE #
6/3/2014	2286

BILL TO:
 Roy Lamansky
 811 S. Park
 Fairfield, IA 52556

TERMS	DUE DATE	PROJECT
NET DUE IN 10 DAYS	6/13/2014	

SERVICE D...	CLASS	QTY.	DESCRIPTION	RATE	AMOUNT
5/19/2014	FARM	1	Service Time:600 Moving In:605	100.00	100.00
5/19/2014	FARM	1	Service Time:600 Warm Up, Fuel, Shut Down, Travel:611	0.00	0.00
5/19/2014	FARM	10.75	850C NT with operator	160.00	1,720.00
5/19/2014	FARM	0.25	Service Time:600 Fuel, Grease, Parts, Pieces:600	0.00	0.00
5/19/2014	FARM	3.5	Service Time:600 Fuel, Grease, Parts, Pieces:600	0.00	0.00
5/19/2014	FARM	10	850C WT with operator	160.00	1,600.00
5/20/2014	FARM	13.75	850C NT with operator	160.00	2,200.00
5/20/2014	FARM	0.25	Service Time:600 Fuel, Grease, Parts, Pieces:600	0.00	0.00
5/20/2014	FARM	8.125	850C WT with operator	160.00	1,300.00
5/20/2014	FARM	5.75	850C NT with operator	160.00	920.00
5/21/2014	FARM	1.5	850C NT with operator	160.00	240.00
5/21/2014	FARM	0.25	Service Time:600 Fuel, Grease, Parts, Pieces:600	0.00	0.00
5/21/2014	FARM	1.75	Service Time:600 Measuring & Survey:603	0.00	0.00
5/21/2014	FARM	0.25	Service Time:600 Fuel, Grease, Parts, Pieces:600	0.00	0.00
5/21/2014	FARM	4.5	850C NT with operator	160.00	720.00
5/21/2014	FARM	5.25	850C WT with operator	160.00	840.00
			Hours for Dry Hole in Large Waterway		
5/21/2014	FARM	4	850C WT with operator	160.00	640.00

Wendy York
[Signature]

Total \$10,280.00

Payments/Credits \$0.00

Balance Due \$10,280.00

PE 6-11-14

A late fee of 1.5% per month will be assessed on all invoices past 30 days.

Thank you for your business!