

Panoramic View

Boundary 1

Pipeline

Tile 1

Tile

Outlet

Tile

Tile 1

Tile 1

Tile

Tile 1

Tile 2

Tile 3

Tile 2

Tile 1

Tile 5

Tile 6

Tile

Tile 4

Tile 1 1 1

Direction

Primary Road

Boundary

Boundary 6 1

Boundary 5 1

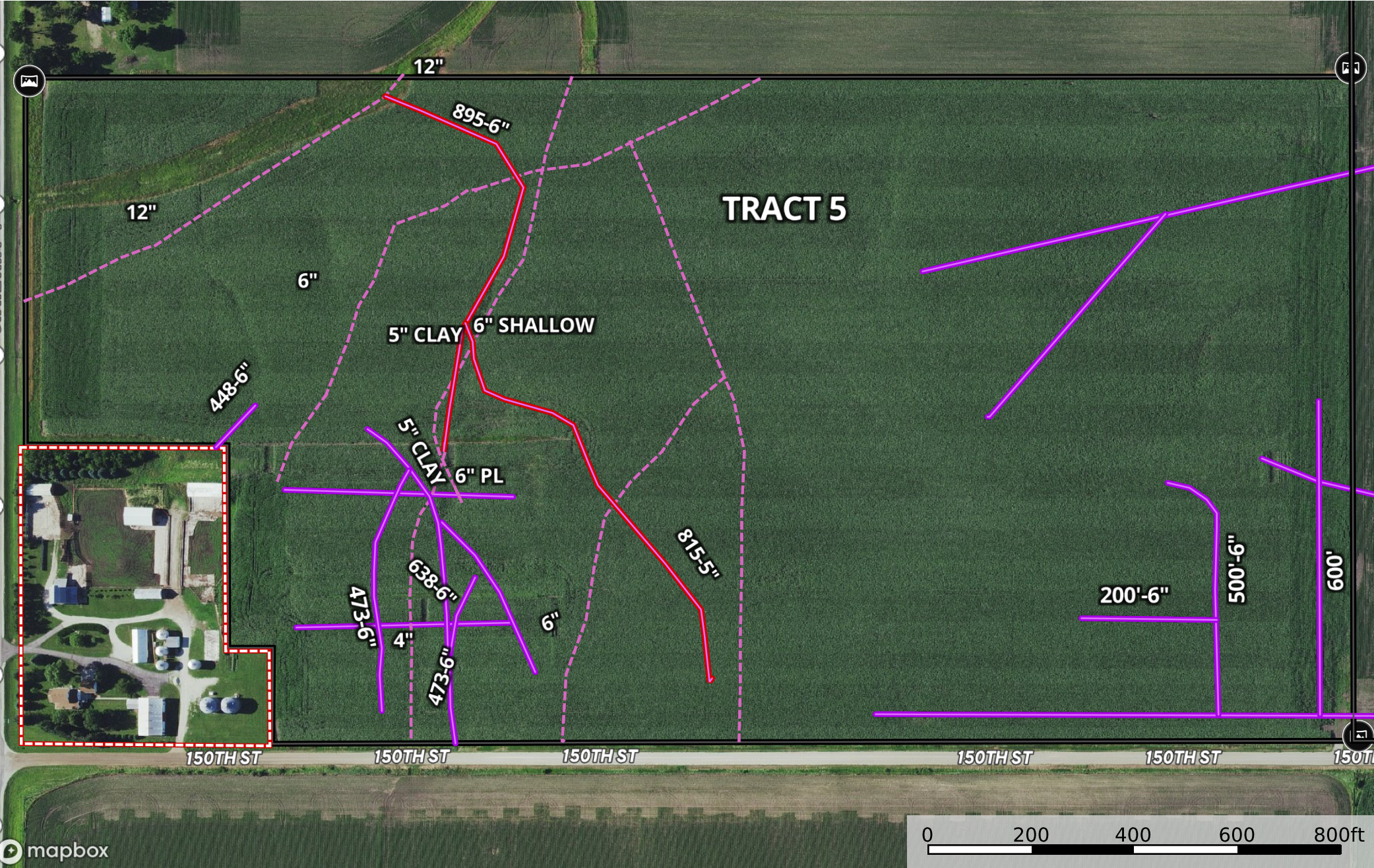
Boundary 7 1

Boundary 4 1

Boundary 8 1

Boundary 3

Boundary 2



Panoramic View

Tile

Pipeline

Tile 1

Tile

Outlet

Tile

Tile 1

Tile 1

Tile

Tile 1

Tile 2

Tile 3

Tile 2

Tile 1

Tile 5

Tile 6

Tile

Tile 4

Tile 1 1 1

Direction

Primary Road

Boundary

Boundary 6 1

Boundary 5 1

Boundary 7 1

Boundary 4 1

Boundary 8 1

Boundary 3

Boundary 2

Boundary 1

Vernon Homeplace

N

14'

aps Waypoints(4) Routes Tracks(3)

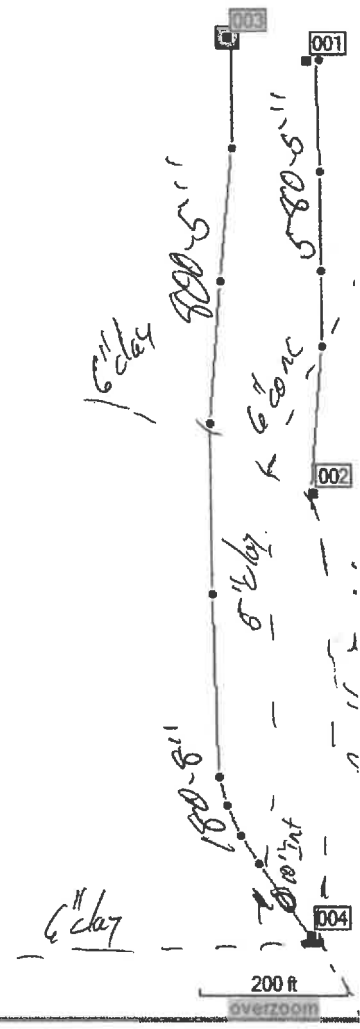
Show waypoints in category:

All Categories

Name	Comment	Position
001		N41 47.684 W94 21.213
002		N41 47.589 W94 21.212
003		N41 47.689 W94 21.236
004		N41 47.492 W94 21.214

Map navigation controls: zoom in, zoom out, pan, etc.

Bldgs



Vernon C HomePlace A

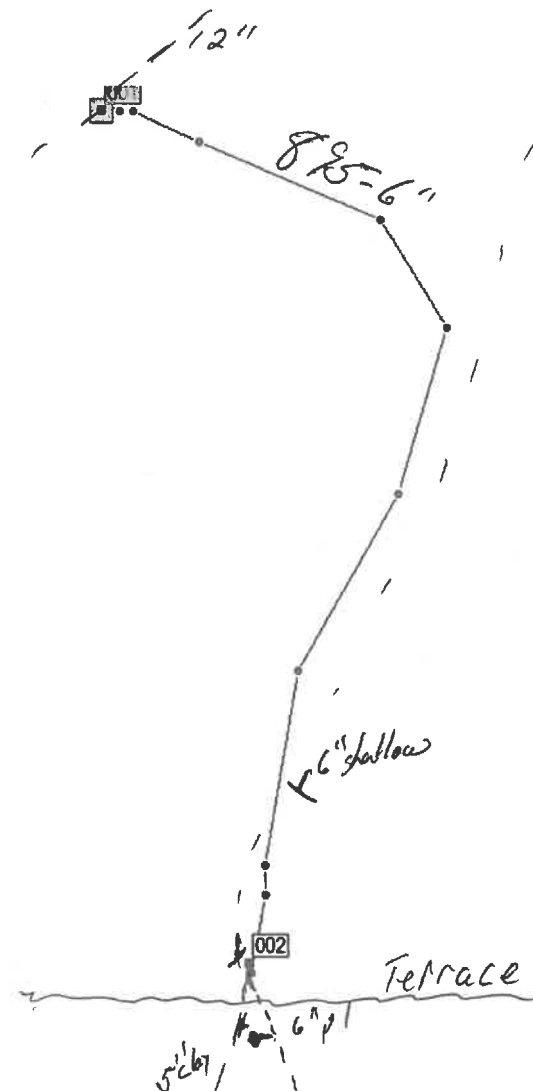
laps Waypoints(2) Routes Tracks(1)

Show waypoints in category:

All Categories

Name /	Comment	Position
001		N41 47.691 W94 21.866
002		N41 47.579 W94 21.841

Bldgs



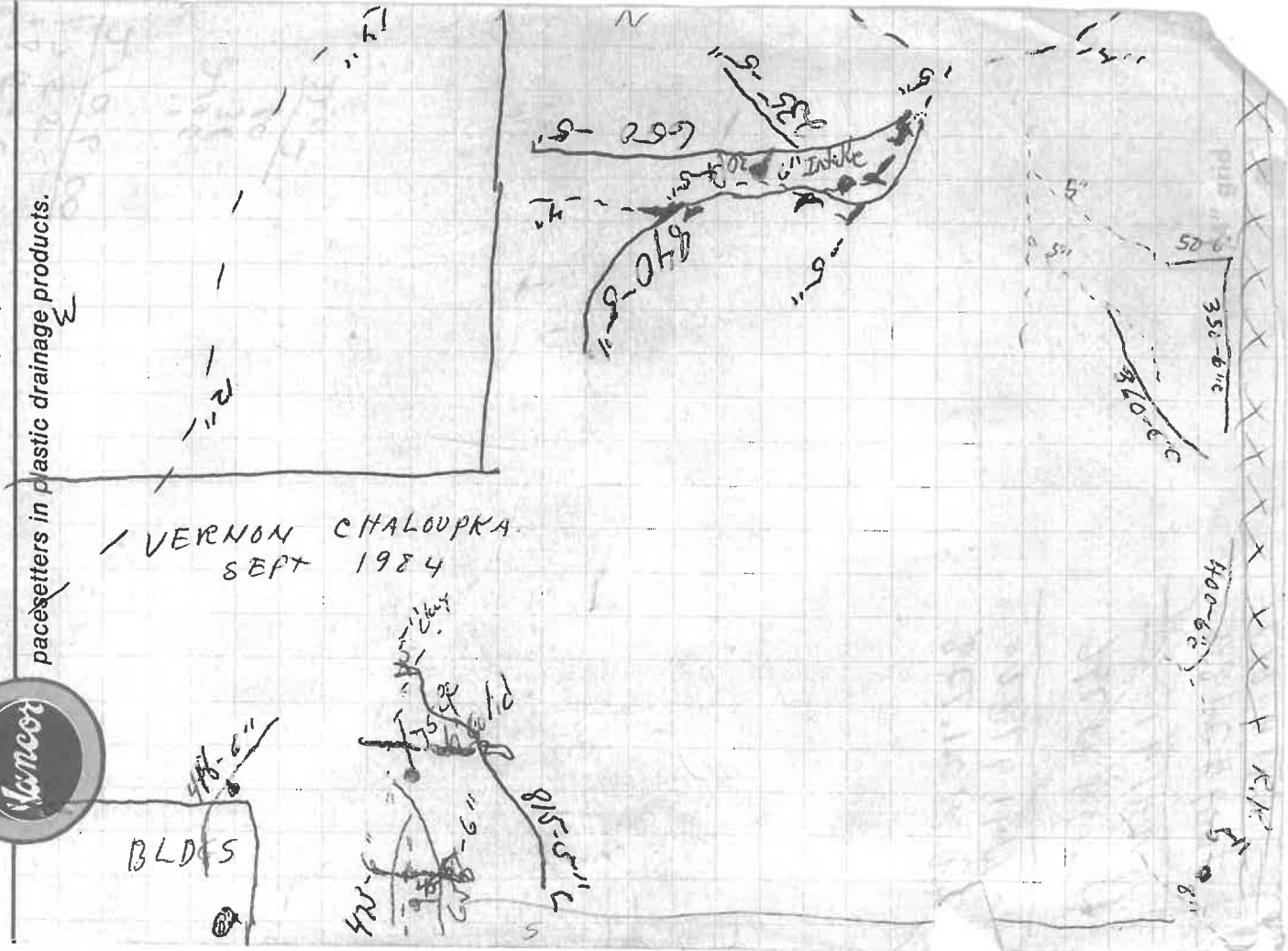
120 ft

overzoom

Oelwein, Iowa 50662 • (319) 283-3324

pacesetters in plastic drainage products.

✓ VERNON CHALOUPIKA
SEPT 1984



638-6

4"

473-6

7-80

(BIN)

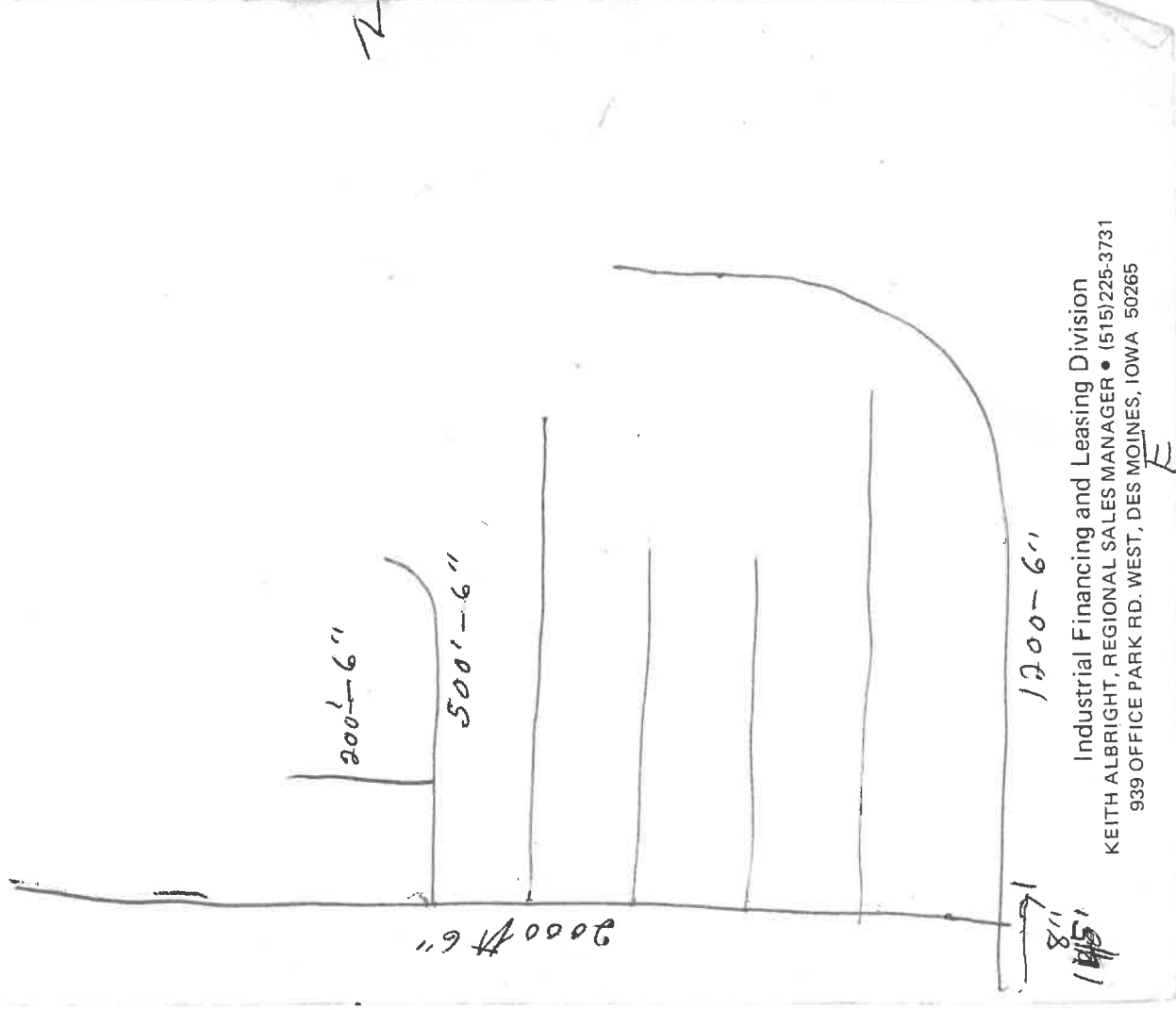
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Vanner 1924
Aug 61065

ITT INDUSTRIAL
CREDIT COMPANY

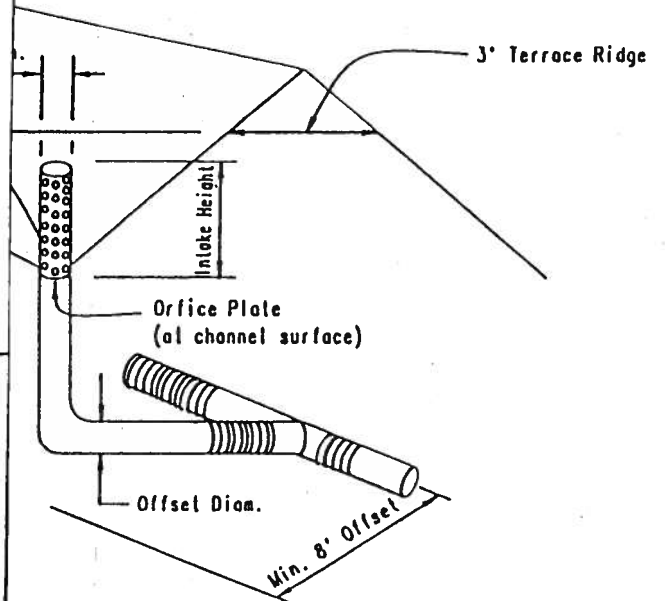
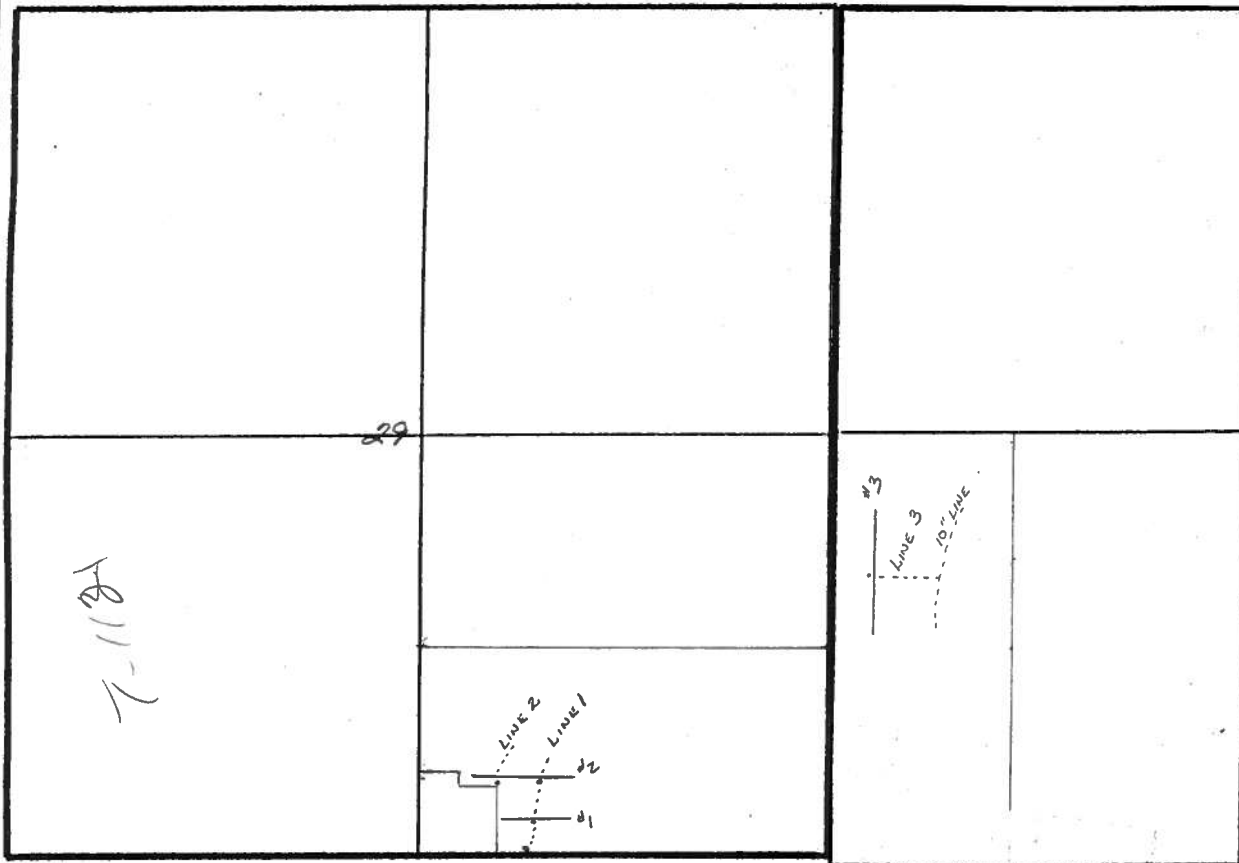
A Financial Service of International Telephone and Telegraph Corporation

135

6" Clay 1850
6" 2000
2000
250



Industrial Financing and Leasing Division
KEITH ALBRIGHT, REGIONAL SALES MANAGER • (515) 225-3731
939 OFFICE PARK RD. WEST, DES MOINES, IOWA 50265



performing any excavation, the contractor is responsible for locate utilities. Call 1-800-292-8989.

and near the project (e.g. archeological)?

YES

NONE KNOWN

Scale: 1" = 1,320'

Location Map

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

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)

CALL IOWA
EAST

I Co
show
have
and

Contractor

7-1121
no compare
plan
various
file info

OWNER VERNON CHALOUKKA
LOCATION RICHLAND SEC. 29 T 8 N, R 30 W
GUTHRIE COUNTY, IOWA

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

Designed <u>WANTZ</u>	Date <u>4/4/97</u>	Approved by <u>[Signature]</u>
Drawn <u>WANTZ</u>	Date <u>4/2/97</u>	Title <u>SET</u>
Staked <u>[Signature]</u>	Sheet No. <u>1</u>	Drawing No. _____
Checked <u>[Signature]</u>	Date <u>11/2/97</u>	

Iowa Standard Drawing

Underground Outlet

Standard Drawing No. 854

DATE: 7-95

Sheet 1 of 2

Intake Number	Terrace Number	Station	Drainage Area	Drainage Coef.	Req'd. Cap. Ac. in/Day	Intake Ht.		Dion. & Holes/Ft.		Orifice Dio.		Offset Dio.		Des. Cap. Ac. in/Day
						Design	Install	Design	Install	Design	Install	Design	Install	
1	1	1+75	12	1.32	15.84	3		6"	24					
1	2	0+75	3.01	1.32	3.97	3		6"	24					
2	2	5+25	7.79	1.32	10.28	3		6"	24					
1	3	5+00	9.41	1.32	12.42	3		6"	24					

Relief Well :

Line	Dio. Designed	Dio. Installed
1	6"	
1	6"	
2	6"	

9.28 AC IN

9.28 AC IN

9.28 AC IN

THIS SYSTEM WILL HAVE A 6" INTAKE AT THE ROAD DITCH TO HANDLE TRICKLE.

This system will have only standard 6" installed with a 4" offset. We will pond water behind the terrace to take some of the pressure from the lower areas already installed.

Drain Material		
Manufacturer	Size	Type

Line No.	Reach No.	Station to Station	Req'd. Capacity Ac. in	Length of line		Tile Size		Tile grade		Design Capacity Ac. in	Tile Installation Data		
				Designed	Installed	Designed	Installed	Designed	Installed		Min. Depth	Max. Depth	Trench Width
1	1	FENCE 0+00 TO 2+70	15.84	270		6"		1.5%		14.5	9"		
1	2	2+70 6+00	19.81	330		6"		1.9%		16.5	9"		
2	1	TERRACE 2 TO LINK	10.28	150		6"		2.0%		16.5	9"		
3	1	TERRACE TO 10" LINE 500'	12.42	500'		6		1.5%		14"	9"		
3	2	10" LINE 4 BEYOND	12.42			10		.7%		34"			

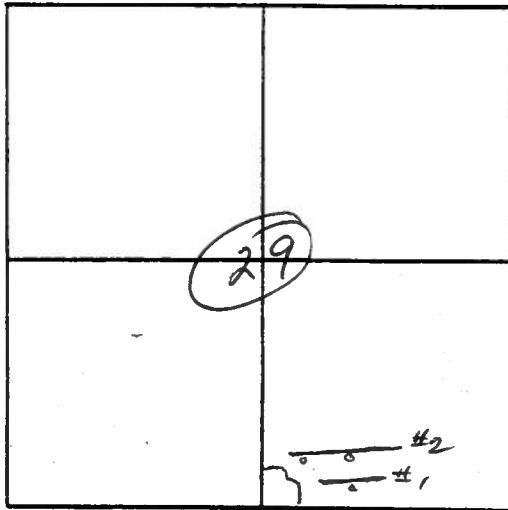
6" RELIEF TOTAL 23.78 AC IN
Type of Outlet :
6" RELIEF Open ditch Existing tile
TOTAL 25.78
Other
6" RELIEF TOTAL 25.78 AC IN

Outlet Material		
Manufacturer	Size	Type

Contractor is to fill out shaded columns.

Location Map

(Show section center or corner)



DESIGN DETAILS

Terrace No.	Terrace Type	Length	Front Slope	Back Slope	% Settle	Cut Slope	Fill Cu. Yard
1	FF	450'	5-1	2-1	5%	6-1	2025
2	FF	700'	5-1	2-1	5%	6-1	2279
3	FF	800'	5-1	2-1	5%	6-1	2100
		1950'	6-1				6404
		5070'					5163

SPECIAL CONSTRUCTION NOTES

Topsolling required: ☒ YES ☐ NO

Are utilities present near the site? YES ☒ NO

If YES, Describe: _____

Is a cultural resource located near the project? (e.g.: archeological site) YES ☒ NO

If YES, Describe: _____

If a cultural resource is identified during construction, immediately notify the Soil Conservation Service.

OPERATION AND MAINTENANCE REQUIREMENTS

1. Remove sediment build-up in the terrace channel to maintain the required capacity.
2. Repair sections of the terrace which have eroded or have excessive settlement.
3. Reseed and fertilize as needed to maintain good vegetation.
4. Fill any settled or eroded areas in the tile trench.
5. Repair or replace any damaged tile intakes.
6. Remove sediment build-up around the intake to insure that the terrace will drain toward the inlet.
7. Remove trash from around and in the tile intake.
8. Implement rodent control procedures if rodents are a problem.
9. Control weeds, brush, and trees by mechanical methods or chemicals.
10. Do not operate farm equipment on steep frontslopes and/or backslopes.

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

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

Contractor _____

Date _____

Owner Vernon Chaloupka
Location Richland Sec 29 T 81 N, R 30 W
Cuthbert County, Iowa

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed <u>JWA</u>	Date <u>10/22/98</u>	Approved by <u>[Signature]</u>
Drawn <u>[Signature]</u>		Title <u>[Signature]</u>
Staked <u>[Signature]</u>		Title <u>[Signature]</u>
Checked <u>[Signature]</u>		Sheet No. <u>[Signature]</u>
		Drawing No. <u>[Signature]</u>

IOWA STANDARD DRAWING

TERRACE PLAN

STANDARD DRAWING NO. 652

DATE: 5-91

SHEET 1 OF 2

TERRACE CONSTRUCTION SPECIFICATIONS

All dead furrows, ditches, or gullies shall be filled before constructing the terrace or shall be part of the construction. All old terraces, fence rows, hedge rows, trees, and other obstructions shall be removed, as necessary, to install a farmable system.

The terraces shall be constructed according to staked alignment, grade and cross section with the specified overfill for settlement and the channel graded to drain reasonably well. Fill material placed shall be free from sod, roots, frozen material, stones over 6 inches in diameter, and other objectionable material. The fill shall not be placed on sod or on a frozen foundation. The moisture content of terrace fill material shall be such that, when kneaded in the hand, the fill material will form a ball that does not readily separate. Material that is too wet shall be dried and material that is too dry shall have water added or work shall be stopped until moisture conditions are satisfactory.

Channel blocks shall be built to the full design height of the terrace unless specified differently. Blocks must be compacted and farmable with side slopes 5:1 or flatter. Cuts and fills should be made in such a manner that topography will be enhanced. Cuts should not be made in depressions to secure borrow to build the terrace ridge through those areas, since this accentuates the undulations of the field. Borrow for large fills across depressions shall be taken from the intervening ridges.

Conduits shall be embedded and backfilled throughout the base width of the terrace ridge. Friable soil material shall be placed in 6 inch layers and hand tamped to a depth of approximately 18 inches over the pipe. The sides of the remaining trench shall be sloped no steeper than 3 horizontal to 1 vertical and backfill placed in 6 inch layers and machine compacted. The materials used for the inlet, outlet, and conduit shall be as specified.

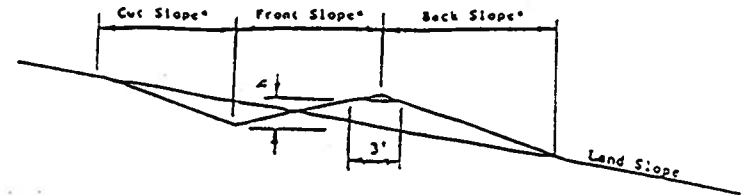
The surface of the finished terrace shall be reasonably smooth and present a workmanlike finish. Borrow areas shall be uniform. Cuts shall be blended with existing topography so that the finished area is farmable. Any ditch or depression at the bottom of the backslope shall be filled and smoothed so that drainage will be away from the terrace and not parallel to it. Excavation for grassed backslope and narrow base terraces shall be taken from the downhill side of the terrace except as specified by the Soil Conservation Service.

Fill material shall be placed so that the entire terrace receives compactive effort of the construction equipment on the fill. When the base width of the fill exceeds 12 feet, the fill shall be placed in lifts not exceeding one and one half feet with each lift compacted with the construction equipment.

If specified, topsoil shall be stockpiled and spread over borrow areas.

Grassed backslope terraces shall have the entire backslope seeded. Narrow base terraces shall have both the frontslope and backslope seeded. Seedbed preparation and seeding, liming, fertilizing and mulching rates shall comply with the Seeding Plan.

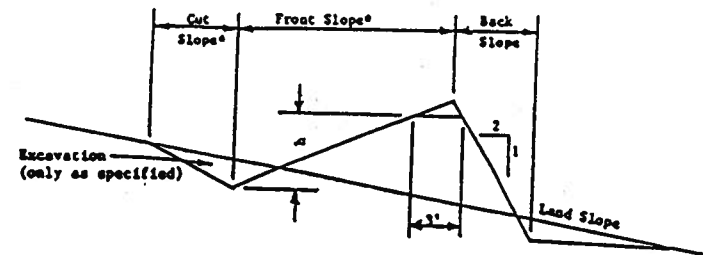
The Soil Conservation Service is not responsible for locating existing tile lines. The landuser and/or contractor have responsibility for locating and properly connecting lines cut during installation of this project. The landuser and/or contractor is responsible for notifying underground utilities of planned construction. Utilities shall be adequately located before construction begins.



* Length of cut slope, front slope, and back slope shall be in increments of machinery width but not shorter than 15 feet nor steeper than 5:1

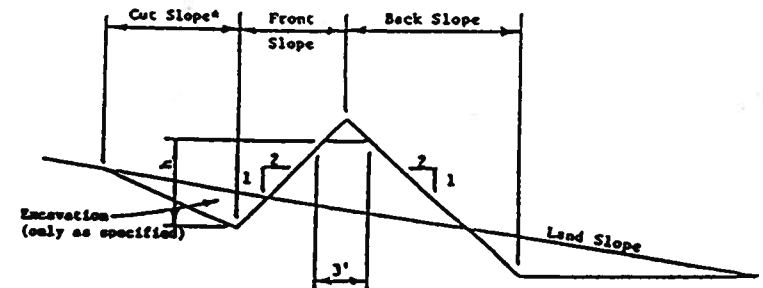
h Design height of terrace

MINIMUM DIMENSIONS FOR BROAD BASE TERRACES



* Length of cut slope and front slope shall be in increments of machinery width but not shorter than 15 feet nor steeper than 5:1

MINIMUM DIMENSIONS FOR GRASSED BACKSLOPE TERRACES



* Length of cut slope shall be in increments of machinery width but not shorter than 15 feet nor steeper than 5:1

h Design height of terrace

MINIMUM DIMENSIONS FOR NARROW BASE TERRACES

Form 14
1-19-62

7-1121

505-325-

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

ACP-26

Tile Certification and Location Record*

OWNER G. L. CHALOUPKA LEGAL DESCRIPTION T81-R30-28

Tile Installed			Outlet Pipe Used		
Size	Length	Approx Grade	Size	Length	Material
5"	1400'	0.90%			

I certify that I have installed the above amounts of tile on the above named farm and to the best of my knowledge they meet ACP specifications. (See sketch)

Contractor Ray Middleton, Inc. Date 3 May 1965

I certify that the above amounts of tile have been installed on my farm.
Farmer G. L. Chaloupka Date May 3 1965

Amounts Approved:
(to be completed by SCS)

1400 Rods 5" Tile

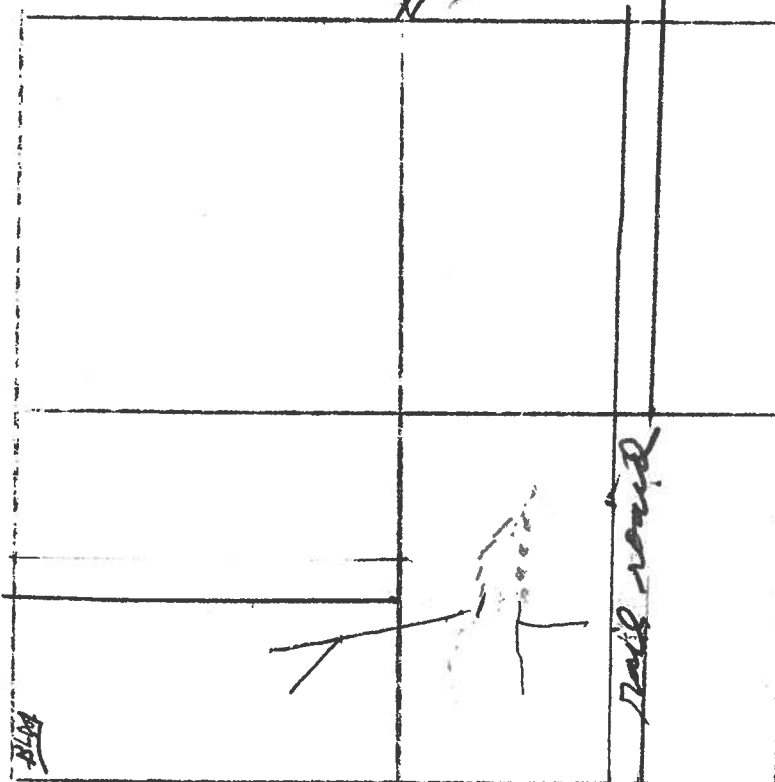
____ Rods ____ Tile

E ____ Rods ____ Tile

____ Feet ____ Pipe

Technician J. H. Neal

Date 5-21-65



* This record sheet is to be used on jobs where permission has been given to the contractor to proceed with the design and layout of the proposed tile system. This normally will be for hill side seeps and waterway tile where the grades are greater than 1%. However it may be used for jobs on flatter grades if the contractor completes the necessary survey and design. All jobs will be subject to checking by the Soil Conservation Service before approval is given for cost-sharing.

ICWA-14
1-19-62

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

Tile Certification and Location Record*

OWNER

G. L. CHALOUPEK

LEGAL DESCRIPTION

Tile Installed			Outlet Pipe Used		
Size	Length	Approx Grade	Size	Length	Material
5"	545	0.40%			
6"	350	0.20%			

I certify that I have installed the above amounts of tile on the above named farm and to the best of my knowledge they meet ACP specifications. (See sketch)

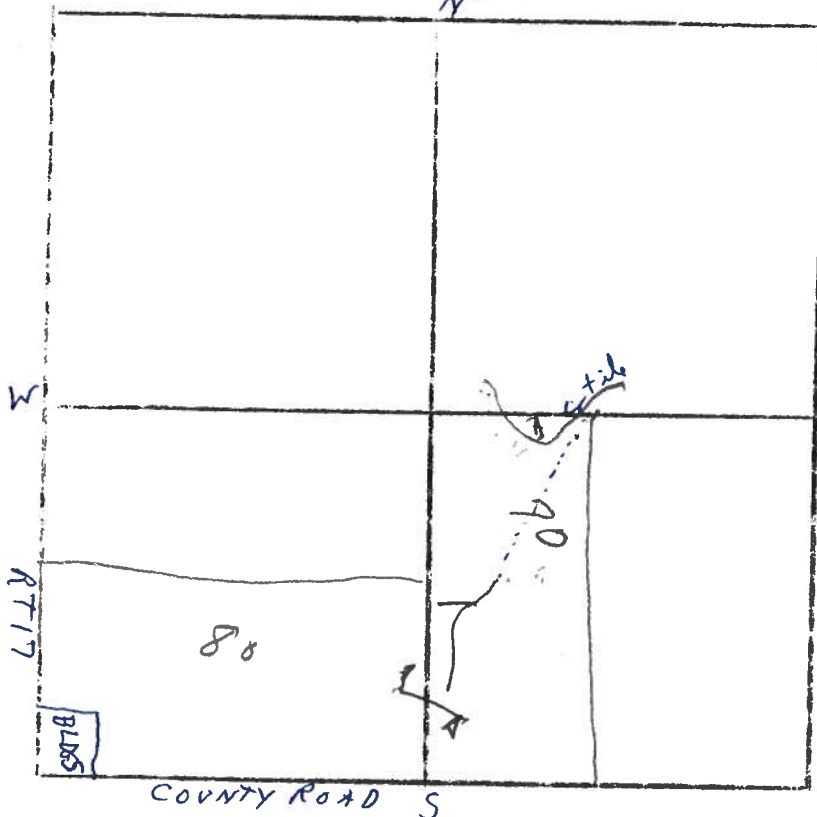
Contractor Ray Middleton & Co

Date 27 AUG. 1964

I certify that the above amounts of tile have been installed on my farm.

Farmer G. J. Chalovich

Date 27 Aug 1964



Amounts Approved:
(to be completed by SCS)

545 Rods 5 Tile

350 Rods 6" Tile

	Rods	Tile
E		

Feet	Pipe
1	1/2"
2	1/2"
3	1/2"
4	1/2"
5	1/2"
6	1/2"
7	1/2"
8	1/2"
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99	1/2"
100	1/2"

Technician

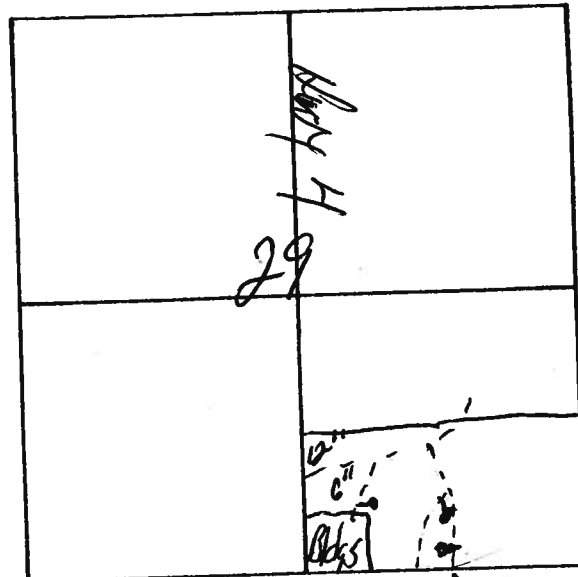
Date _____

* This record sheet is to be used on jobs where permission has been given to the contractor to proceed with the design and layout of the proposed tile system. This normally will be for hill side seeps and waterway tile where the grades are greater than 1%. However it may be used for jobs on flatter grades if the contractor completes the necessary survey and design. All jobs will be subject to checking by the Soil Conservation Service before approval is given for cost-sharing.

Design Data (Required for grade of 0.5% or flatter):

Line No.						
Size						
Length						
Acres used for design						
Drainage Coefficient						
Grade						
Max. Depth						
Min. Depth						
Trench Width or Method						
Type of Bedding						
No. of T's and Y's						

North



Sketch of Tile System

1

Q

Q

Q