

Date: 1/23/17 (Phone)

FarmId: JB

TileId: JBT01 - JBT03 managed the same

Tile Drainage Questionnaire

- What is the approximate age of the system?

~4 years old

- What type of drainage system exists (e.g. patterned, dendritic)? If patterned, what is the drain spacing?

Patterned 25' with ~25' spacing.

- What is the construction of the tile system? Standard corrugated perforated pipe with no sediment sock?

6" no filter. Corrugated perforated pipe with no sediment filter.

- What is the depth of the tile drainage?

~3-5' depth.

- Is there any known damage to the system (e.g. sinkholes, muskrat damage)? If so, please mark the location(s) on the map above.

No current damage known.

- Has the system been repaired in the past? If so, describe the type and extent of damage.

No.

- Do any rock inlets, surface inlets, or blind inlets exist (e.g. culverts, standpipes)?

No inlets visible. none

(Actually relevant to JBT01, JBT02, JBT04)  
Dec 5/6/17

Please answer the following questions about the 2016 and 2017 growing season to the best of your ability:

- Describe the past agricultural history of the study field

~~continuous corn.~~ <sup>2016</sup> soybeans 2017 likely  
corn recently.

- Describe the crop grown on the study field during the 2016 growing season. Are there any changes planned for 2017?

~~continuous corn.~~ corn was planted in 2016, with  
soybeans planned for 2017.

- Please list the approximate dates and method of tilling during the 2016 growing season. Are there any changes planned for 2017?

~~2016 end of May chiseled~~ The field was tilled  
(chisel plowed?) at the end of May / early June 2016,  
Likely the same for 2017.

- Please list the approximate dates, volume or rate, and method of any fertilizer and manure applications during the 2016 growing season. Are there any changes planned for 2017?

~~no manure. 200 lbs Potash 2016 some 'starter'~~  
~~Pop-up, couple hundred lbs urea. spring Potash, urea June-July~~  
No manure was applied in 2016. Approximately 200 lbs of Potash  
and 'starter Pop-up' (unknown amount) fertilizer was applied during planting  
in the spring. A couple hundred lbs of urea was applied in June or July.

- Could you provide us with soil test data for the study field? 2017 S.A.A.

JB TO1, JB TO2, JB TO4  
JB TO1

- Was the field planted with a cover crop in the 2016 growing season? If so, please list the approximate date, method, and variety. Do you plan to cover crop in 2017?

no cover crop 2016; unknown for 2017.

- Could we take a look at your nutrient management plan? Email, fax (802.229.5417) or I could pick up a hardcopy if you'd like.

549 Lake Rd. last farm on right  
will have it out on desk

Date: 1/23/17 (Phone)

FarmId: JB

TileId: JBT02

### Tile Drainage Questionnaire

- What is the approximate age of the system?

~4 years old.

- What type of drainage system exists (e.g. patterned, dendritic)? If patterned, what is the drain spacing?

Patterned with ~25' Spacing

- What is the construction of the tile system? Standard corrugated perforated pipe with no sediment sock?

4" outlet standard corrugated perforated pipe with no sediment filter.

- What is the depth of the tile drainage?

Depth is ~3-5'.

- Is there any known damage to the system (e.g. sinkholes, muskrat damage)? If so, please mark the location(s) on the map above.

No current damage known.

- Has the system been repaired in the past? If so, describe the type and extent of damage.

No.

- Do any rock inlets, surface inlets, or blind inlets exist (e.g. culverts, standpipes)?

No visible inlets.

Please answer the following questions about the 2016 and 2017 growing season to the best of your ability:

- Describe the past agricultural history of the study field

continuous corn recently.

- Describe the crop grown on the study field during the 2016 growing season. Are there any changes planned for 2017?

continuous corn. Corn was Planted in 2016, with soy beans Planned for 2017.

- Please list the approximate dates and method of tilling during the 2016 growing season. Are there any changes planned for 2017?

The field was tilled (chisel Plowed) in ~~early~~ late May or the ~~end~~ start of June in 2016. Likely the same planned for 2017.

- Please list the approximate dates, volume or rate, and method of any fertilizer and manure applications during the 2016 growing season. Are there any changes planned for 2017?

No manure was applied in 2016. During spring planting ~200 lbs of potash as well as a 'Starter Pop-up' (exact make up/volume unknown) fertilizer was applied. A couple hundred lbs of urea was applied in June or July. No change planned for 2017.

- Could you provide us with soil test data for the study field?

- Was the field planted with a cover crop in the 2016 growing season? If so, please list the approximate date, method, and variety. Do you plan to cover crop in 2017?

no cover crop was planted in 2016, and it is undecided  
if one will be planned for 2017.

- Could we take a look at your nutrient management plan? Email, fax (802.229.5417) or I could pick up a hardcopy if you'd like.

will attempt to find for us to look at in person.

Date: 1/23/17 (Phone)

FarmId: JB

TileId: JBTO4

### Tile Drainage Questionnaire

- What is the approximate age of the system?

~4 years old.

- What type of drainage system exists (e.g. patterned, dendritic)? If patterned, what is the drain spacing?

Patterned with ~25' spacing.

- What is the construction of the tile system? Standard corrugated perforated pipe with no sediment sock?

4" outlet. standard corrugated perforated pipe with no sediment filter.

- What is the depth of the tile drainage?

Depth is ~3-5'.

- Is there any known damage to the system (e.g. sinkholes, muskrat damage)? If so, please mark the location(s) on the map above.

No current damage known.

- Has the system been repaired in the past? If so, describe the type and extent of damage.

No.

- Do any rock inlets, surface inlets, or blind inlets exist (e.g. culverts, standpipes)?

No visible inlets.

Please answer the following questions about the 2016 and 2017 growing season to the best of your ability:

- Describe the past agricultural history of the study field

~~continuous corn~~, feed recently corn.

- Describe the crop grown on the study field during the 2016 growing season. Are there any changes planned for 2017?

~~continuous corn~~, corn was planted in 2016, with Soybeans planned for 2017.

- Please list the approximate dates and method of tilling during the 2016 growing season. Are there any changes planned for 2017?

The field was tilled (chisel plowed?) in late May/early June of 2016. Likely the same planned for 2017.

- Please list the approximate dates, volume or rate, and method of any fertilizer and manure applications during the 2016 growing season. Are there any changes planned for 2017?

No manure was applied in 2016, but ~200 lbs of Potash as well as a 'starter P&K' (unknown make up and volume) was applied at planting in the Spring. A couple hundred lbs of urea were applied in June or July. No changes planned for 2017.

- Could you provide us with soil test data for the study field?



- Was the field planted with a cover crop in the 2016 growing season? If so, please list the approximate date, method, and variety. Do you plan to cover crop in 2017?

No cover crop was planted in 2016, and it is unknown

undecided if one will be planted in 2017.

- Could we take a look at your nutrient management plan? Email, fax (802.229.5417) or I could pick up a hardcopy if you'd like.

will attempt to find for us to look at in person.

Date:

FarmId: MM

TileId: JBT05

### Tile Drainage Questionnaire

- What is the approximate age of the system?

2011

- What type of drainage system exists (e.g. patterned, dendritic)? If patterned, what is the drain spacing?

patterned

35' spacing

- What is the construction of the tile system? Standard corrugated perforated pipe with no sediment sock?

8" standard corrugated Perforated Pipe with no sediment sock. to standard

- What is the depth of the tile drainage?

3'-4'

- Is there any known damage to the system (e.g. sinkholes, muskrat damage)? If so, please mark the location(s) on the map above.

None known.

None

- Has the system been repaired in the past? If so, describe the type and extent of damage.

No.

- Do any rock inlets, surface inlets, or blind inlets exist (e.g. culverts, standpipes)?

No.

Please answer the following questions about the 2016 and 2017 growing season to the best of your ability:

- Describe the past agricultural history of the study field

Mostly corn for the past years.

- Describe the crop grown on the study field during the 2016 growing season. Are there any changes planned for 2017?

corn ~~was~~ was planted in 2016. No changes planned for 2017.

- Please list the approximate dates and method of tilling during the 2016 growing season. Are there any changes planned for 2017?

minimal tillage in spring '16 before planting. No changes planned for 2017.

- Please list the approximate dates, volume or rate, and method of any fertilizer and manure applications during the 2016 growing season. Are there any changes planned for 2017?

manure was injected  
no manure in the fall post harvest, pre-cover crop. No manure in

spring. No changes planned for 2017.

Rate based on NMP - Does not have handy

→ ~~EAH~~ pop-up fert. @ planting

- Could you provide us with soil test data for the study field?

John from M.M.  
Chamberlin

Ask John Chamberlin of Bordeau Bros.

- Was the field planted with a cover crop in the 2016 growing season? If so, please list the approximate date, method, and variety. Do you plan to cover crop in 2017?

cover cropped (winter rye?) in 2016. No changes planned  
for 2017.

- Could we take a look at your nutrient management plan? Email, fax (802.229.5417) or I could pick up a hardcopy if you'd like.

Date:

FarmId: MM

t: JBT06

### Tile Drainage Questionnaire

What is the approximate age of the system?

Started renting <sup>land</sup> last year in 2014 = tile installed  
Suck parent rented in 2015

- What type of drainage system exists (e.g. patterned, dendritic)? If patterned, what is the drain spacing?

Patterned - Not sure of spacing  
- Did not do installation  
- (Guy Lalard)

- What is the construction of the tile system? Standard corrugated perforated pipe with no sediment sock?

12" Standard Corrugated Perforated Pipe with no sediment sock.

- What is the depth of the tile drainage?

? unknown

- Is there any known damage to the system (e.g. sinkholes, muskrat damage)? If so, please mark the location(s) on the map above.

major erosion around tile exit. No real damage known though.

- Has the system been repaired in the past? If so, describe the type and extent of damage.

No.

- Do any rock inlets, surface inlets, or blind inlets exist (e.g. culverts, standpipes)?

3 Stand Piles in Southern Part of the field.

Please answer the following questions about the 2016 and 2017 growing season to the best of your ability:

- Describe the past agricultural history of the study field

Corn for the past years.

- Describe the crop grown on the study field during the 2016 growing season. Are there any changes planned for 2017?

Corn was planted in 2016. No changes planned for 2017.

- Please list the approximate dates and method of tilling during the 2016 growing season. Are there any changes planned for 2017?

minimal tillage in spring '16 before planting. No changes planned for 2017.

- Please list the approximate dates, volume or rate, and method of any fertilizer and manure applications during the 2016 growing season. Are there any changes planned for 2017?

manure was injected in the fall after harvest, before cover crop was planted.

No manure in spring. No changes planned for 2017.

pop-up fertilizer @ plant in 2016 + 2017

- Could you provide us with soil test data for the study field?

Ask John Chamberlain

- Was the field planted with a cover crop in the 2016 growing season? If so, please list the approximate date, method, and variety. Do you plan to cover crop in 2017?

cover cropped in 2016 (winter rye?). No changes planned for 2017.

- Could we take a look at your nutrient management plan? Email, fax (802.229.5417) or I could pick up a hardcopy if you'd like.

wed ~~10/17~~  
9-10

Date: 2/9/17 (phone)

FarmId: JP

TileId: JB707

### Tile Drainage Questionnaire

- What is the approximate age of the system?

~~2012~~ 2011

- What type of drainage system exists (e.g. patterned, dendritic)? If patterned, what is the drain spacing?

Patterned with 40' spacing ✓

- What is the construction of the tile system? Standard corrugated perforated pipe with no sediment sock?

4" Standard tile

YES

- What is the depth of the tile drainage?

~~3' depth~~ 3' - 4' depth

- Is there any known damage to the system (e.g. sinkholes, muskrat damage)? If so, please mark the location(s) on the map above.

~~No inlets~~ None

- Has the system been repaired in the past? If so, describe the type and extent of damage.

No repairs

- Do any rock inlets, surface inlets, or blind inlets exist (e.g. culverts, standpipes)?

No

None



JB107

Please answer the following questions about the 2016 and 2017 growing season to the best of your ability:

- Describe the past agricultural history of the study field

Continuous corn for > 10 yrs.

- Describe the crop grown on the study field during the 2016 growing season. Are there any changes planned for 2017?

corn. No changes

- Please list the approximate dates and method of tilling during the 2016 growing season. Are there any changes planned for 2017?

Fall tillage, same for 2017

- Please list the approximate dates, volume or rate, and method of any fertilizer and manure applications during the 2016 growing season. Are there any changes planned for 2017?

urea / ammonium sulfate / potash

Manure before fall tillage

300 lb on 7/4

6000 gal./Acre, of manure

~~thick~~ "spinspread"

No manure pre-planting

AT planting,

5 gallons pop-up

fertilizer

per Acre (no idea of brand)

- Could you provide us with soil test data for the study field?

Tom Eaton -

2017

im. 5 2001

10 gal/Acre 2+2 either side

Polish ~~on~~ spinspread

Legume N + P

Polish +

Lowssels

No manure or tillage

Will need to fix

2016 SAME planned for 2017

Data from interview of Jack parent by DCB in November

- Was the field planted with a cover crop in the 2016 growing season? If so, please list the approximate date, method, and variety. Do you plan to cover crop in 2017?

No cover crop 2016 or ~~planned~~  
planned for 2017

- Could we take a look at your nutrient management plan? Email, fax (802.229.5417) or I could pick up a hardcopy if you'd like.

Call Tom Eaton

Date: 2/9/17 (Phone)

FarmId: JP

TileId: JBT ~~10~~ 11

### Tile Drainage Questionnaire

- What is the approximate age of the system?

~~Installed in 2011.~~ 2010

- What type of drainage system exists (e.g. patterned, dendritic)? If patterned, what is the drain spacing?

patterned with 40' spacing. ✓

- What is the construction of the tile system? Standard corrugated perforated pipe with no sediment sock? YES

4" laterals, standard tile drain

- What is the depth of the tile drainage?

3'-4'

- Is there any known damage to the system (e.g. sinkholes, muskrat damage)? If so, please mark the location(s) on the map above.

No

- Has the system been repaired in the past? If so, describe the type and extent of damage.

No

- Do any rock inlets, surface inlets, or blind inlets exist (e.g. culverts, standpipes)?

Former standpipe by outlet (removed for man hole installation).

No

This access  
was not →  
an inlet

Please answer the following questions about the 2016 and 2017 growing season to the best of your ability:

- Describe the past agricultural history of the study field

2015 seed to alfalfa

2016 continue alfalfa

2017 AND Beyond = alfalfa

- Describe the crop grown on the study field during the 2016 growing season. Are there any changes planned for 2017?

Apply Alfalfa hay. — No changes

- Please list the approximate dates and method of tilling during the 2016 growing season. Are there any changes planned for 2017?

None

- Please list the approximate dates, volume or rate, and method of any fertilizer and manure applications during the 2016 growing season. Are there any changes planned for 2017?

Applies 200 lb/acre (15% ammonia sulfate, 10% boron (14%), 75% Potash), after 1<sup>st</sup> and 2<sup>nd</sup> cut.

Three of these applications in 2016

Plan three more for 2017

- Could you provide us with soil test data for the study field?

Call Tom Eaton

2017

250 lb/acre this yr after 1st & 2nd cut

No manure

From interview w/ Sack Parent, DCB

- Was the field planted with a cover crop in the 2016 growing season? If so, please list the approximate date, method, and variety. Do you plan to cover crop in 2017?

No - Not applicable

- Could we take a look at your nutrient management plan? Email, fax (802.229.5417) or I could pick up a hardcopy if you'd like.

Call Tom Eaton

55 Acre field - ~~the~~ sketch  
appears accurate

Date: 2/6/17 (Phone)

FarmId: RM

TileId: JBT13

### Tile Drainage Questionnaire

- What is the approximate age of the system?

Installed in 2013.

- What type of drainage system exists (e.g. patterned, dendritic)? If patterned, what is the drain spacing?

Patterned w 40' spacing

- What is the construction of the tile system? Standard corrugated perforated pipe with no sediment sock?

6" ~~yes~~ standard corrugated perforated pipe with no sediment sock.

- What is the depth of the tile drainage?

3'

- Is there any known damage to the system (e.g. sinkholes, muskrat damage)? If so, please mark the location(s) on the map above.

NO damage <sup>known. Low<sup>1</sup> spots</sup> ~~with level packer~~ due to Pockets and not great leveling.

- Has the system been repaired in the past? If so, describe the type and extent of damage.

No.

- Do any rock inlets, surface inlets, or blind inlets exist (e.g. culverts, standpipes)?

StandPile at N. border of field @ divide between JBT13 & 14. unclear where this goes.

Please answer the following questions about the 2016 and 2017 growing season to the best of your ability:

- Describe the past agricultural history of the study field

Corn for the previous few years.

- Describe the crop grown on the study field during the 2016 growing season. Are there any changes planned for 2017?

Corn in 2016 and planned for 2017.

- Please list the approximate dates and method of tilling during the 2016 growing season. Are there any changes planned for 2017?

~~May or June~~ <sup>May</sup> planted June

chisel Plowed in May and Planted in June. No change  
Planned for 2017.

- Please list the approximate dates, volume or rate, and method of any fertilizer and manure applications during the 2016 growing season. Are there any changes planned for 2017?

Manure 6,000 gal / acre in Spring at Planting.

fertilizer 300 lb / acre ammonia <sup>nitrate and urea</sup> ~~nitrate~~ ~~urea~~ mix → July top dress

No changes planned for 2017.

- Could you provide us with soil test data for the study field?

Yes, call whenever up in the area. Can <sup>come</sup> call by and  
take a look at the NMP.

- Was the field planted with a cover crop in the 2016 growing season? If so, please list the approximate date, method, and variety. Do you plan to cover crop in 2017?

winter rye after cutting corn was planted in 2016.

No change planned for 2017.

- Could we take a look at your nutrient management plan? Email, fax (802.229.5417) or I could pick up a hardcopy if you'd like.



Date: 2/6/17 (phone)

FarmId: RM

TileId: 3BT14

## Tile Drainage Questionnaire

- What is the approximate age of the system?

Installed in 2013.

- What type of drainage system exists (e.g. patterned, dendritic)? If patterned, what is the drain spacing?

Patterned with 40' spacing.

- What is the construction of the tile system? Standard corrugated perforated pipe with no sediment sock?

8" Standard corrugated perforated pipe with no sediment sock.

- What is the depth of the tile drainage?

3'

- Is there any known damage to the system (e.g. sinkholes, muskrat damage)? If so, please mark the location(s) on the map above.

No damage known.

- Has the system been repaired in the past? If so, describe the type and extent of damage.

No.

- Do any rock inlets, surface inlets, or blind inlets exist (e.g. culverts, standpipes)?

stand pipe at N. border of field at divide between 3BT 13 &amp; 14, unclear where this goes.

Please answer the following questions about the 2016 and 2017 growing season to the best of your ability:

- Describe the past agricultural history of the study field

Corn for the previous few years

- Describe the crop grown on the study field during the 2016 growing season. Are there any changes planned for 2017?

Corn in 2016 and planned for 2017.

- Please list the approximate dates and method of tilling during the 2016 growing season. Are there any changes planned for 2017?

Chisel plowed in May 2016 and planted in June. No change planned for 2017.

- Please list the approximate dates, volume or rate, and method of any fertilizer and manure applications during the 2016 growing season. Are there any changes planned for 2017?

Approximately 6,000 gallons/acre of manure was applied in the spring around planting. Approximately 300 lbs/acre of fertilizer (~~exact make up unknown~~) made up of ammonia nitrate and urea mix applied around July as a top dress. No changes planned for 2017.

- Could you provide us with soil test data for the study field?

Yes, call whenever up in the area. Can come by and take a look at the NMP.

- Was the field planted with a cover crop in the 2016 growing season? If so, please list the approximate date, method, and variety. Do you plan to cover crop in 2017?

A winter rye cover crop was planted in 2016 after  
harvest. No changes planned for 2017.

- Could we take a look at your nutrient management plan? Email, fax (802.229.5417) or I could pick up a hardcopy if you'd like.

Date:

FarmId: DB

TileId: DBT16

### Tile Drainage Questionnaire

- What is the approximate age of the system?

~12 yrs

- What type of drainage system exists (e.g. patterned, dendritic)? If patterned, what is the drain spacing?

✓ Dendritic? (Branching) possibly a couple spaces off main line

- What is the construction of the tile system? Standard corrugated perforated pipe with no sediment sock?

4" Standard, 4"

- What is the depth of the tile drainage? Probably

No idea, 3-4'

- Is there any known damage to the system (e.g. sinkholes, muskrat damage)? If so, please mark the location(s) on the map above.

~~100 yards into field~~  
~~surface inlet edge between~~  
No known damage

- Has the system been repaired in the past? If so, describe the type and extent of damage.

No known repairs

- Do any rock inlets, surface inlets, or blind inlets exist (e.g. culverts, standpipes)?

~~None visible~~

The end of the tile line is apparently exposed at the corner of the adjoining property, at the property line about 100 yards into field from road. Does not believe there is stone around inlet.

Please answer the following questions about the 2016 and 2017 growing season to the best of your ability:

- Describe the past agricultural history of the study field

Continuous corn

- Describe the crop grown on the study field during the 2016 growing season. Are there any changes planned for 2017?

corn. Yes, corn in 2016, corn in 2017

- Please list the approximate dates and method of tilling during the 2016 growing season. Are there any changes planned for 2017?

Fall 2016 - harrowed 1-2" deep and blew on CC seed  
~~No other tillage~~

Will harrow lightly & plant this spring  
No other tillage

- Please list the approximate dates, volume or rate, and method of any fertilizer and manure applications during the 2016 growing season. Are there any changes planned for 2017?

Fall spread, incorp. w/ minimum tillage  
Equipment, harrowed & blew <sup>CC</sup> seed on same time

1-2" inches deep then seeded (36-0-0)  
At plant: small amt. of pop-up and Nitro (liquid Nitrogen)  
8-11-7 from Buskeys THEN top dress w/ Urea  
at waist high

- Could you provide us with soil test data for the study field?

- Could be 2 yrs ago:

- But can provide test results - come by farm sometime  
Give \$150 - too! shed.

- Was the field planted with a cover crop in the 2016 growing season? If so, please list the approximate date, method, and variety. Do you plan to cover crop in 2017?

Cover in 2016 = Winter ~~of~~ Rye

Cover in 2017 (weather permitting) Not sure  
could be  
triticale  
or WR.

- Could we take a look at your nutrient management plan? Email, fax (802.229.5417) or I could pick up a hardcopy if you'd like.

Come by <sup>farm</sup> ~~house~~ some time

Look for gray F150 near tool shed

Date: 2/10/17

FarmId: BR

TileId: 3BT118

### Tile Drainage Questionnaire

- What is the approximate age of the system?

Installed in 2006.

- What type of drainage system exists (e.g. patterned, dendritic)? If patterned, what is the drain spacing?

has GPS data

Patterned ~80' drain spacing. GPS data available from whoever installed it if needed.

- What is the construction of the tile system? Standard corrugated perforated pipe with no sediment sock? ✓

6" Standard corrugated perforated pipe with no sediment sock.

- What is the depth of the tile drainage?

~3'

- Is there any known damage to the system (e.g. sinkholes, muskrat damage)? If so, please mark the location(s) on the map above.

None Known.

- Has the system been repaired in the past? If so, describe the type and extent of damage.

No.

- Do any rock inlets, surface inlets, or blind inlets exist (e.g. culverts, standpipes)?

none visible → blind inlet in the ditch → surface water  
Description sounded like a different tile system (closer to corn)

Please answer the following questions about the 2016 and 2017 growing season to the best of your ability:

- Describe the past agricultural history of the study field

row crops prior to 2016.

- Describe the crop grown on the study field during the 2016 growing season. Are there any changes planned for 2017?

Hay (clover), 2016 - 2017 for 5 years

Hay (clover) was established in 2016. No changes are planned for 2017. 2016 was first year of a 5 year rotation.

- Please list the approximate dates and method of tilling during the 2016 growing season. Are there any changes planned for 2017?

None Not applicable

- Please list the approximate dates, volume or rate, and method of any fertilizer and manure applications during the 2016 growing season. Are there any changes planned for 2017?

liquid manure mid may ~12 tons /acre. more composted chicken manure for 2017

- Could you provide us with soil test data for the study field?

Soil samples 2015 or 2016 → will call us if he can locate results



- Was the field planted with a cover crop in the 2016 growing season? If so, please list the approximate date, method, and variety. Do you plan to cover crop in 2017?

mt

- Could we take a look at your nutrient management plan? Email, fax (802.229.5417) or I could pick up a hardcopy if you'd like.

will call us if he finds data

Date: 2/10/17

FarmId: BR

TileId: JBT19

### Tile Drainage Questionnaire

- What is the approximate age of the system?

Installed in 2006.

- What type of drainage system exists (e.g. patterned, dendritic)? If patterned, what is the drain spacing?

Patterned ~80' spacing. GPS data could be acquired if needed.

- What is the construction of the tile system? Standard corrugated perforated pipe with no sediment sock?

6" standard corrugated perforated pipe with no sediment sock.

- What is the depth of the tile drainage?

~3'

- Is there any known damage to the system (e.g. sinkholes, muskrat damage)? If so, please mark the location(s) on the map above.

None known.

- Has the system been repaired in the past? If so, describe the type and extent of damage.

No.

- Do any rock inlets, surface inlets, or blind inlets exist (e.g. culverts, standpipes)?

None visible

Please answer the following questions about the 2016 and 2017 growing season to the best of your ability:

- Describe the past agricultural history of the study field

was row crops prior to 2016.

- Describe the crop grown on the study field during the 2016 growing season. Are there any changes planned for 2017?

Hay (clover) was established in 2016. No changes planned for 2017  
(hay is a 5 year rotation started in 2016).

- Please list the approximate dates and method of tilling during the 2016 growing season. Are there any changes planned for 2017?

Not applicable

- Please list the approximate dates, volume or rate, and method of any fertilizer and manure applications during the 2016 growing season. Are there any changes planned for 2017?

spread ~12 tons / acre of liquid manure in mid-may 2016.  
Plans to spread more composted chicken manure in 2017.

- Could you provide us with soil test data for the study field?

soil samples taken in 2015 or 2016. will call us back  
if he can dig up the results.

SBT19

- Was the field planted with a cover crop in the 2016 growing season? If so, please list the approximate date, method, and variety. Do you plan to cover crop in 2017?

NA

- Could we take a look at your nutrient management plan? Email, fax (802.229.5417) or I could pick up a hardcopy if you'd like.

will call us if he finds data

Cell

Jerraine  
Belknap

would receive surface  
flow from this area;  
repairs unsure if storm  
was connected to his  
tile (e.g. ventilation  
south)

10' from end of  
tile 11' top of  
25' to edge of field  
TILE #10

JBT13

JBT14

11' long  
16' from end of  
tile to top of  
bone

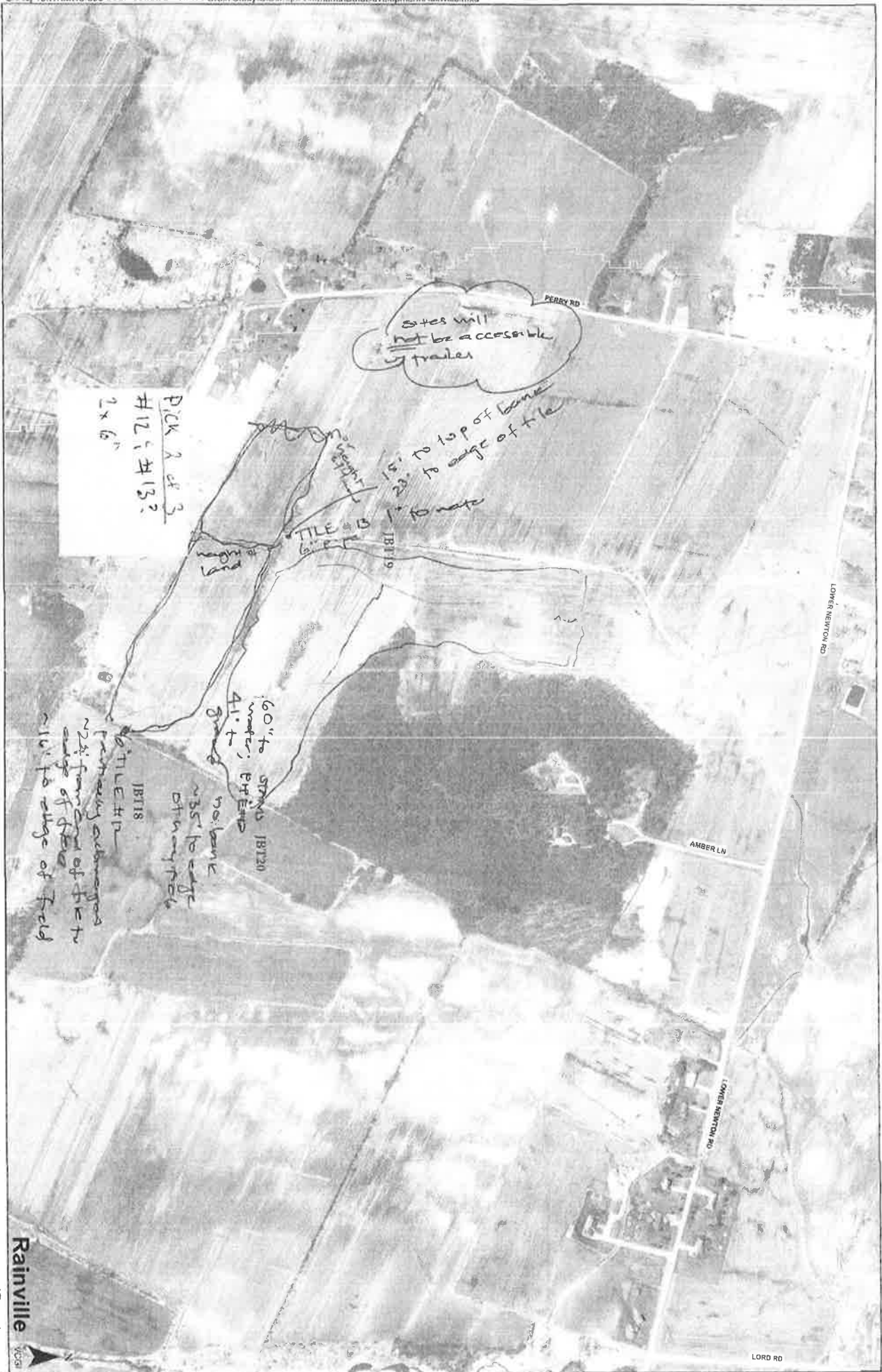
235' from end  
of tile to edge  
of crop

- instead from  
highly probability  
of submergence

COWBOY RD

COUNTY RD

N  
Machia  
VCGI



Edmund L. Rocha

Rainville

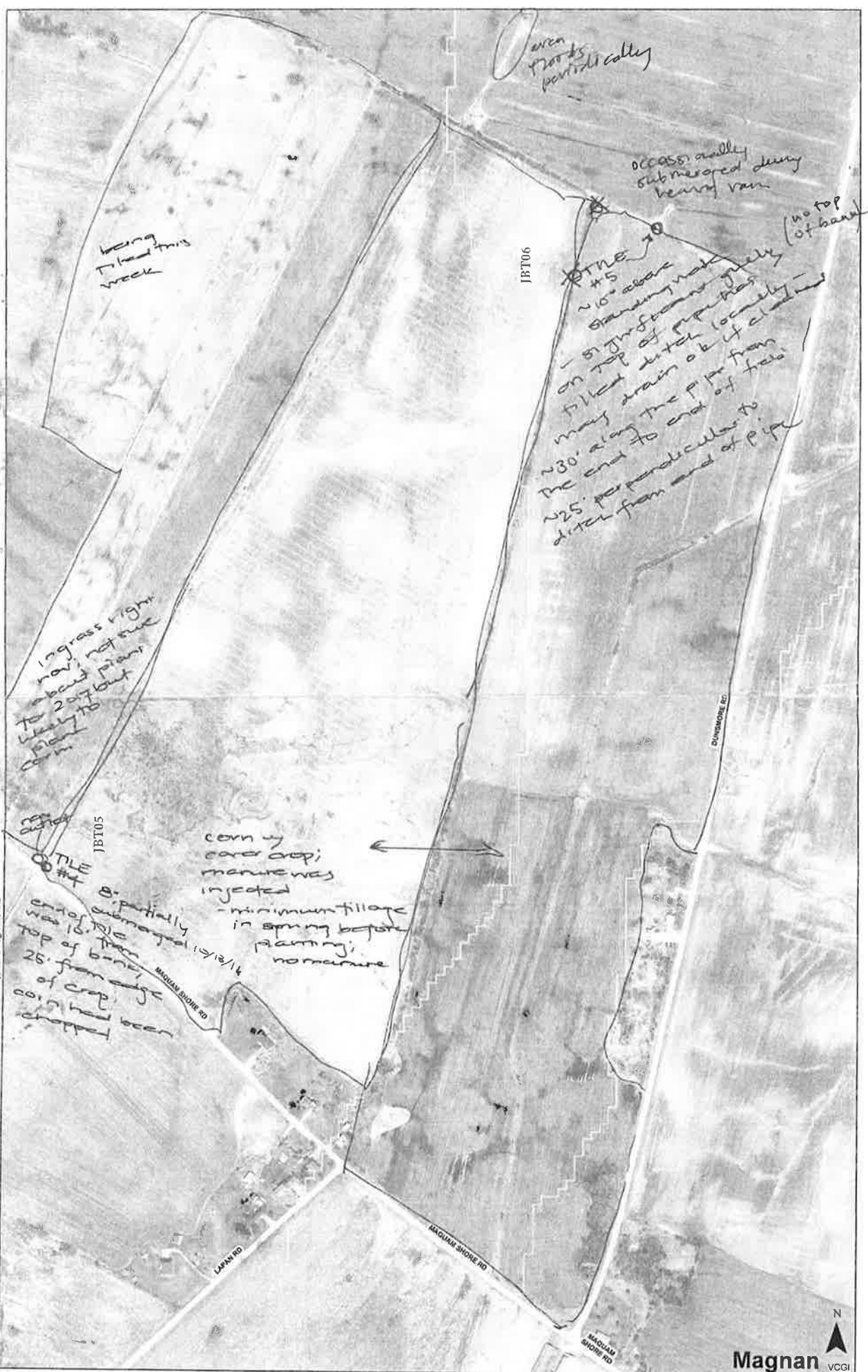








\\pop15\WRM\15-309 LCBP Jewett Brook Tile Drain Study\GIS\Map\Documents\DrawDevelopment\Magnan.mxd



JBT06

being  
filed this  
week

occasionally  
submerged during  
heavy rain

no top  
of bank

TILE #5  
~10' above  
standing water  
significantly  
on top of pipe has  
filled ditch locally  
may drain ok if cleared  
~30' along the pipe from  
the end to end of field  
~25' perpendicular to  
ditch from end of pipe

ingress right  
now; not due  
to 20g but  
likely to  
plant  
corn

TILE #4

JBT05

corn by  
cover crop;  
manure was  
injected  
- minimum tillage  
in spring before  
planting;  
no manure

8' partially  
submerged 10/12/14  
end of tile from  
top of bank  
25' from edge  
of crop  
corn had been  
chopped

MAGNUM SHORE RD

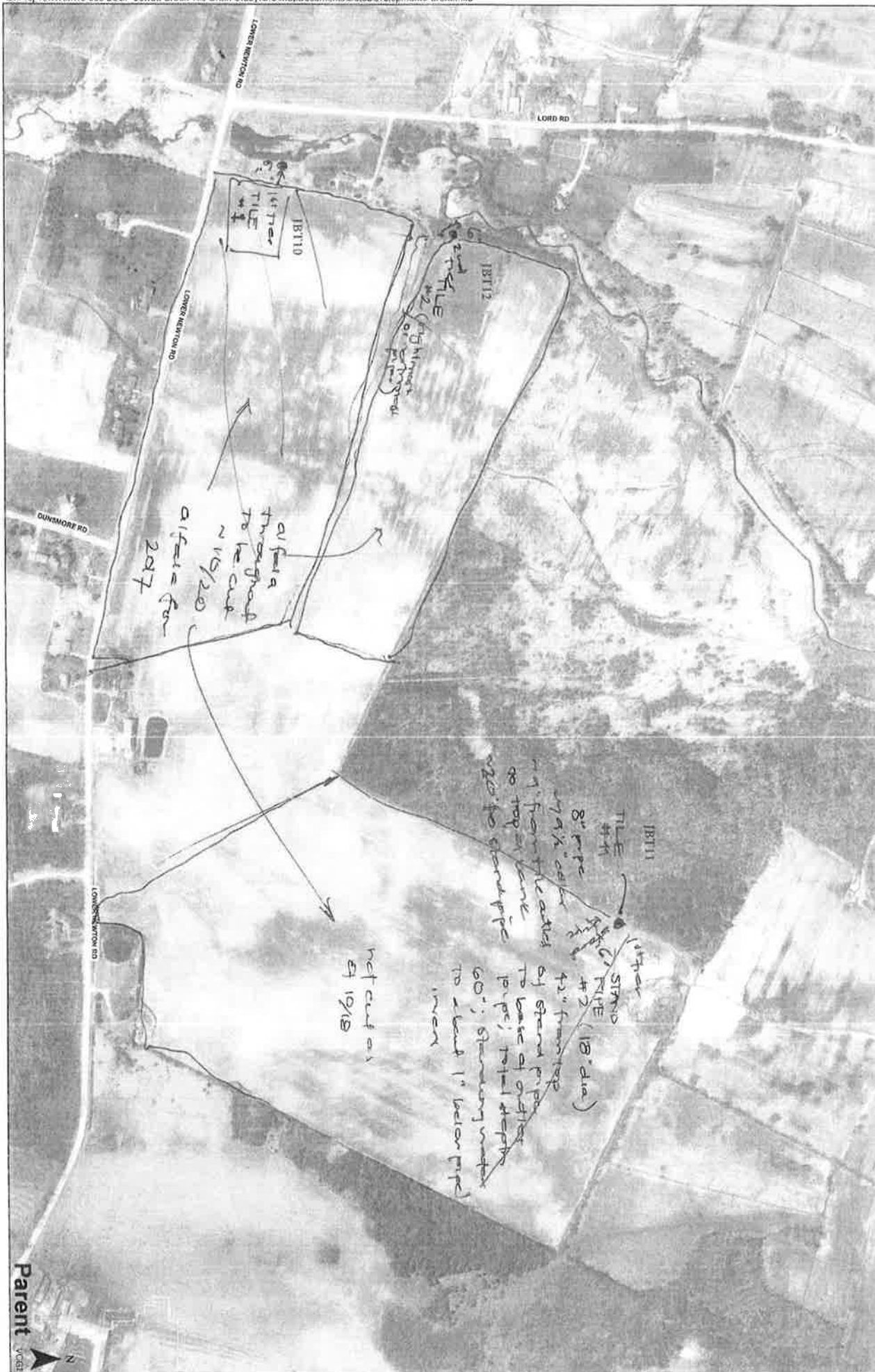
LAPAN RD

MAGNUM SHORE RD

MAGNUM SHORE RD

DUNSMORE RD

Magnan VCGI



D:\Proj\15\WRM\15-309 LCBP Jewett Brook Tile Drain Study\GIS\Map Documents\Data\Development\Bassette South.mxd



Bassette (south)







# OBSERVATIONS AND REMARKS

Project Name/Description:



**STONE ENVIRONMENTAL**

535 Stone Cutters Way / Montpelier / VT / 05602 / USA  
802.229.4541 / info@stone-env.com / www.stone-env.com

SEI Project #:

Client/Sponsor:

Jeff Boisenault  
No mow on Soybeans (2017)

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

## TELEPHONE REPORT LOG



**STONE ENVIRONMENTAL INC**

535 Stone Cutters Way  
Montpelier, Vermont  
05602 USA

Phone / 802.229.4541  
Fax / 802.229.5417  
Web Site / [www.stone-env.com](http://www.stone-env.com)

SEI Study No.: 15-309  
Contact: JB T13/14 owner  
Date: 5/17/17  
Duration: \_\_\_\_\_

Number Called: 6  
Company: \_\_\_\_\_  
Time: \_\_\_\_\_

☐ Placed Call    ☐ Received Call    ☐ Left voice-mail    ☐ Received voice call

### COMMENTS

Manure applied to JB T13 & JB T14 fields  
on 5/10 - 5/11/17. Roughly 6000 gal/A.  
Very watery manure. He took a sample

He is Experimenting w/ No till on these fields

Signed: \_\_\_\_\_

Dave Brown

Date: \_\_\_\_\_

5/17/17

## OBSERVATIONS AND REMARKS

Project Name/Description:



STONE ENVIRONMENTAL

535 Stone Cutters Way / Montpelier / VT / 05602 / USA  
802.229.4541 / info@stone-env.com / www.stone-env.com

SEI Project #:

18-006

Client/Sponsor:

LRP

Smoke testing 5/17/18

SBT05 — pipe underwater — cannot smoke  
— No standpipes visible

SBT06 — No standpipes smoked  
— Cluster of three at south end of field — cut to height of corn stubble  
— Smoke was observed at section of tile line protruding from ground at North end of field.  
— Talked Mark...

SBT07 — No smoke seen anywhere  
— I think this was a good test  
— No surface inlets seen

SBT13 — Under water — could not smoke.

SBT14 — Pink standpipe eventually smoked, but lightly — visible in pipe  
— white standpipe to North in ditch did not smoke — appears completely clogged  
— attempted to dye test but dye just dispersed in flooded ditch.

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Farmer is certain this pipe is connected w/ SBT14

Page: \_\_\_\_\_ of \_\_\_\_\_



OBSERVATIONS AND REMARKS *Check*

Project Name/Description:

**STONE ENVIRONMENTAL**535 Stone Cutters Way / Montpelier / VT / 05602 / USA  
802.229.4541 / info@stone-env.com / www.stone-env.comSEI Project #: *18-006*

Client/Sponsor:

*Sack Parent*

*- Yes, can continue to monitor  
SBT11 and SBT07.*

*- Plans to install french drain  
around house on Lower Newton Rd,  
connected w/ SBT11 tile drain*

*- Does not believe there are any <sup>current</sup> leaks  
to SBT11 tile drain.*

Signed: *Dave Braun*Date: *5/24/18*



# OBSERVATIONS AND REMARKS

Project Name/Description:	<div style="display: flex; align-items: center;"> <div> <b>STONE ENVIRONMENTAL</b>  <small>535 Stone Cutters Way / Montpelier / VT / 05602 / USA  802.229.4541 / info@stone-env.com / www.stone-env.com</small> </div> </div>
SEI Project #: <span style="font-size: 1.2em; color: blue;">18-006</span>	Client/Sponsor:

Interview w/ Ron Machin, 5/17/18

Fields SBT13 & SBT14

- 1) harrowed
- 2) spread
- 3) vertical tillage

} 2 days ago  
(~ 5/15/18)

→ No RAIN SINCE 5/15/18

Appears well incorporated

---

Maguan

5

6

7

11

13

operating - may discontinue

Maguan phone R1

wear

wash out

Alfalfa

Machin (temporary)

Signed: Dave B...
 Date: 5/24/18

## OBSERVATIONS AND REMARKS

Project Name/Description:

**STONE ENVIRONMENTAL**535 Stone Cutters Way / Montpelier / VT / 05602 / USA  
802.229.4541 / info@stone-env.com / www.stone-env.com

SEI Project #:

15-307

Client/Sponsor:

Mark Magnan, 5/4/18

- Yes, can install filters in Fall.
- Yes, can continue monitoring SBT05 & SBT06
- Send plans when have a concept for the filter.
- Does not plan to spread manure on SBT05 or SBT06 fields this spring

Signed:

Dave Braun

Date:

5/7/18

## OBSERVATIONS AND REMARKS

Project Name/Description:

**STONE ENVIRONMENTAL**535 Stone Cutters Way / Montpelier / VT / 05602 / USA  
802.229.4541 / info@stone-env.com / www.stone-env.com

SEI Project #: 15-307

Client/Sponsor:

Dave Besette 5/3/18

Not interested in participating in a second year.  
Photo of the weir in a box w/ manure  
caused farmers a big problem. Visual impact.  
He plans to plant in week to 10 days.  
"Thank god for tide" - due to wet spring.  
Should not access field after planting.

Signed: \_\_\_\_\_

Dave Besette

Date: \_\_\_\_\_

5/7/18



## OBSERVATIONS AND REMARKS

Project Name/Description:

**STONE ENVIRONMENTAL**535 Stone Cutters Way / Montpelier / VT / 05602 / USA  
802.229.4541 / info@stone-env.com / www.stone-env.com

SEI Project #:

18-006

Client/Sponsor:

LCRP

Jeff Bossenault

BAD Reception, repeatedly

CALLED 5/15 - 16 / 18, Left messages

The only thing I could hear was that photos  
in presentations had not done farmers  
"any favors." Sounded very disinterested in  
attending sampling. Could not get  
definitive answer and received no call back.

Signed:

Dave Barr

Date:

5/24/18

## OBSERVATIONS AND REMARKS

Project Name/Description:

**STONE ENVIRONMENTAL**535 Stone Cutters Way / Montpelier / VT / 05602 / USA  
802.229.4541 / info@stone-env.com / www.stone-env.com

SEI Project #:

18-006

Client/Sponsor:

Bernard Rainville 5/24/18

Will cut w/i next two weeks

Continue BST12 — OK

✓ Received permission

~~Field of AF Perry RL~~

cutting?

manure? Litter?

Even

Put down composted chicken maybe 2 weeks prior  
estimate 5/20/18

&lt; 1 Ton / Acre

Between 0.5 - 1 Ton / Acre

compostedrainvilleview@comcast.net

- Did Not apply any litter or liquid

- plans to spread liquid dairy manure after first cut

- Would be good to access field between cut and manure application

Signed:

Dave Braun

Date:

5/24/18