

Clean Water Program Grants

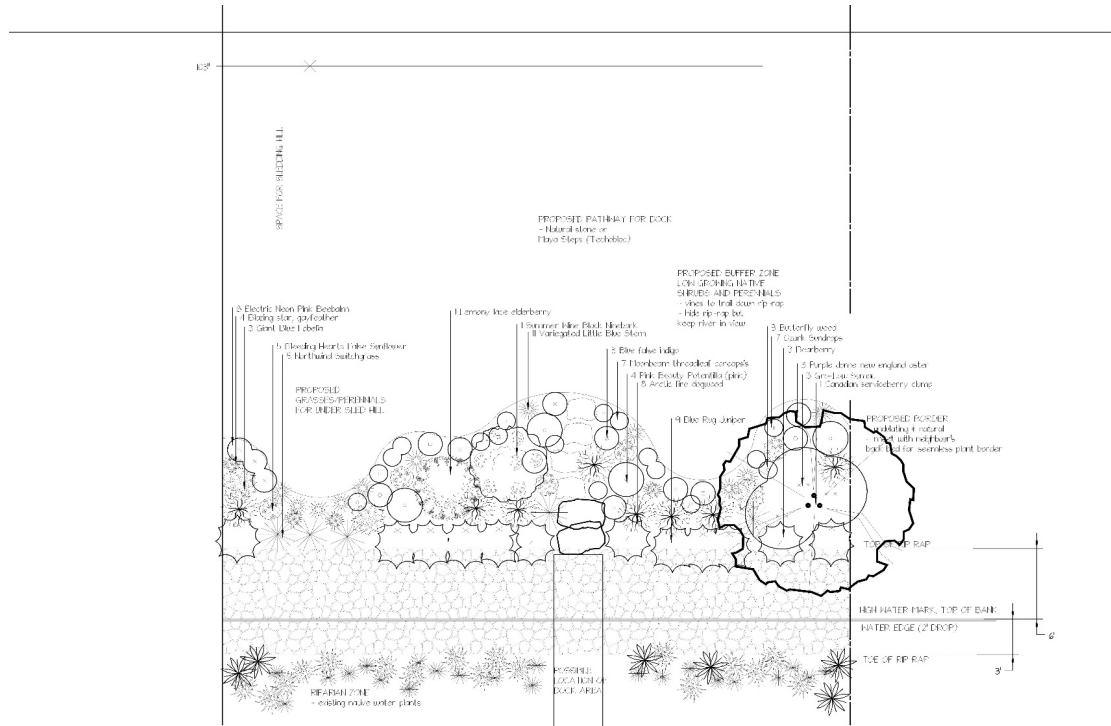
2022-CAS-CW01

Agenda Page. 25

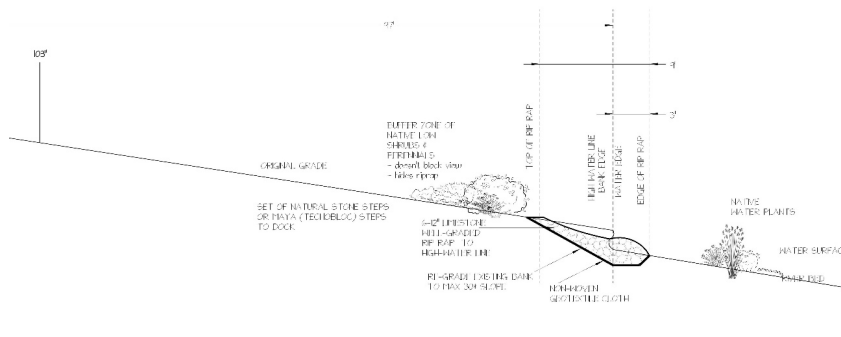


2022-CAS-CW01

Agenda Page. 25



PLAN - VIEW
EROSION CONTROL WITH RIP RAP



CROSS-SECTION
EROSION CONTROL WITH RIP RAP

2022-CAS-CW01

Agenda Page. 25

2022 Project Rating for Erosion Control

Project Code: 2022-CAS-CW01

Project Type: Erosion Control

Rep: Jason Symington

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of watercourse	<i>Permanent</i>	<i>Intermittent</i>	<i>Private or roadside ditch</i>	2	2
2. Evidence of erosion	<i>Severe, active bank erosion</i>	<i>Non-severe, active bank erosion</i>	<i>Potential for bank erosion or upland erosion</i>	3	1.5
3. Bank slopes	>5%	3% - 5%	<2%	3	1
4. Proposed project – SNC Engineering review	<i>Good solution proposed for site conditions</i>	<i>Fair solution proposed for site conditions</i>	<i>Poor solution proposed for site conditions</i>	5	5
5. Subwatershed health score and priority subwatershed/ watercourse	<i>Poor</i>	<i>Fair</i>	<i>Good</i>	6	4
6. Reps overall score				3	1.5
Sub Total Score				22	15
7. Committee's overall project priority				5	
Total Score				27	

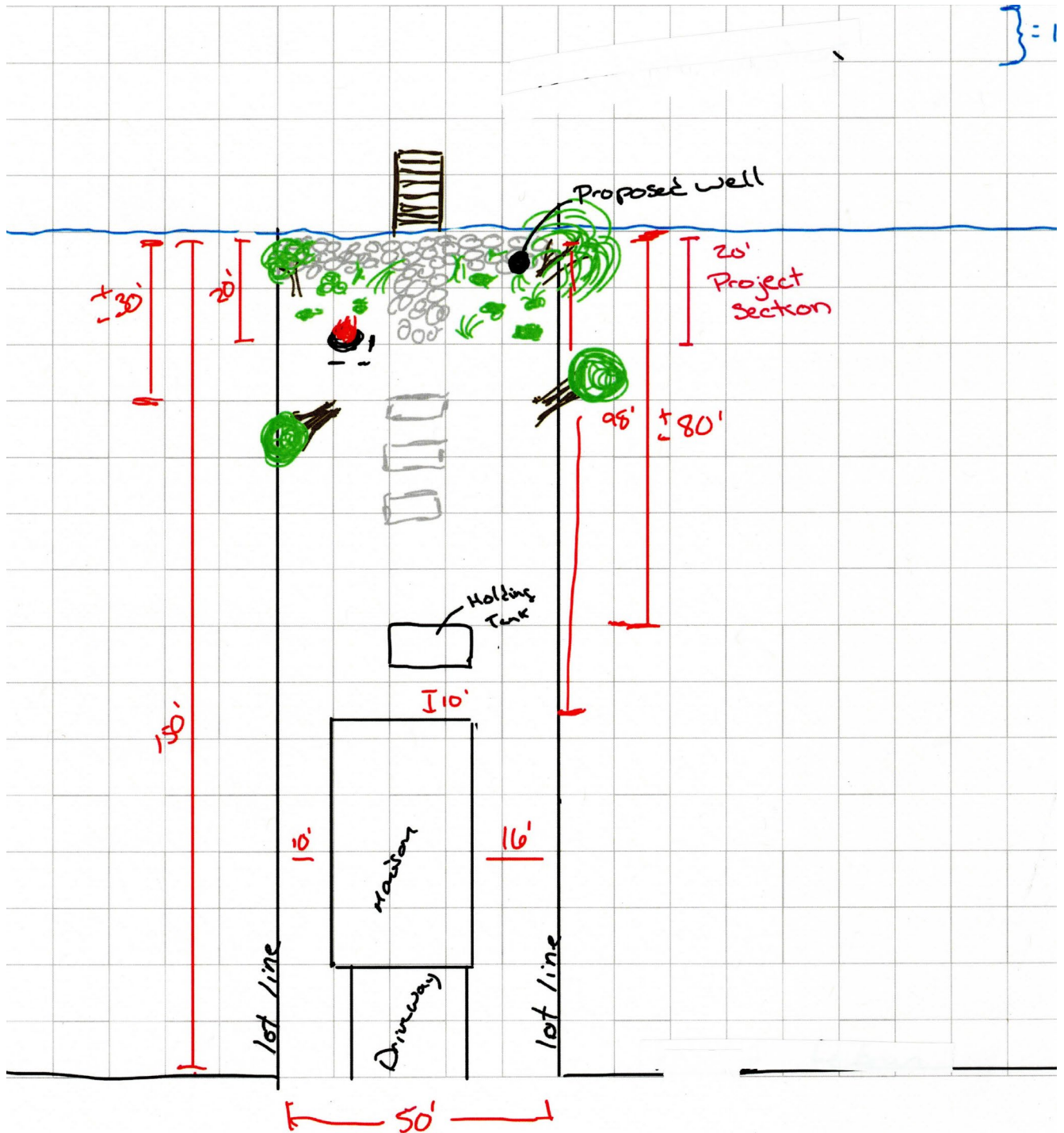
Notes: Adjacent Land Use: Residential

Other notes: Rip rap placed along shore with native plants/shrubs placed within at least 3m from top of bank.

2022-NAT-CW02

Agenda Page. 26



$$\} = 1$$


2022-NAT-CW02

Agenda Page. 26

2022 Project Rating for Erosion Control

Project Code: 2022-NAT-CW02

Project Type: Erosion Control

Rep: Jason Symington

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of watercourse	<i>Permanent</i>	<i>Intermittent</i>	<i>Private or roadside ditch</i>	2	2
2. Evidence of erosion	<i>Severe, active bank erosion</i>	<i>Non-severe, active bank erosion</i>	<i>Potential for bank erosion or upland erosion</i>	3	1.5
3. Bank slopes	>5%	3% - 5%	<2%	3	1
4. Proposed project – SNC Engineering review	<i>Good solution proposed for site conditions</i>	<i>Fair solution proposed for site conditions</i>	<i>Poor solution proposed for site conditions</i>	5	5
5. Subwatershed health score and priority subwatershed/ watercourse	<i>Poor</i>	<i>Fair</i>	<i>Good</i>	6	5
6. Reps overall score				3	1.5
Sub Total Score				22	16
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use: Residential

Other notes: 50' of Shoreline, 2m stone, 6 m native shrubs/grass/no touch

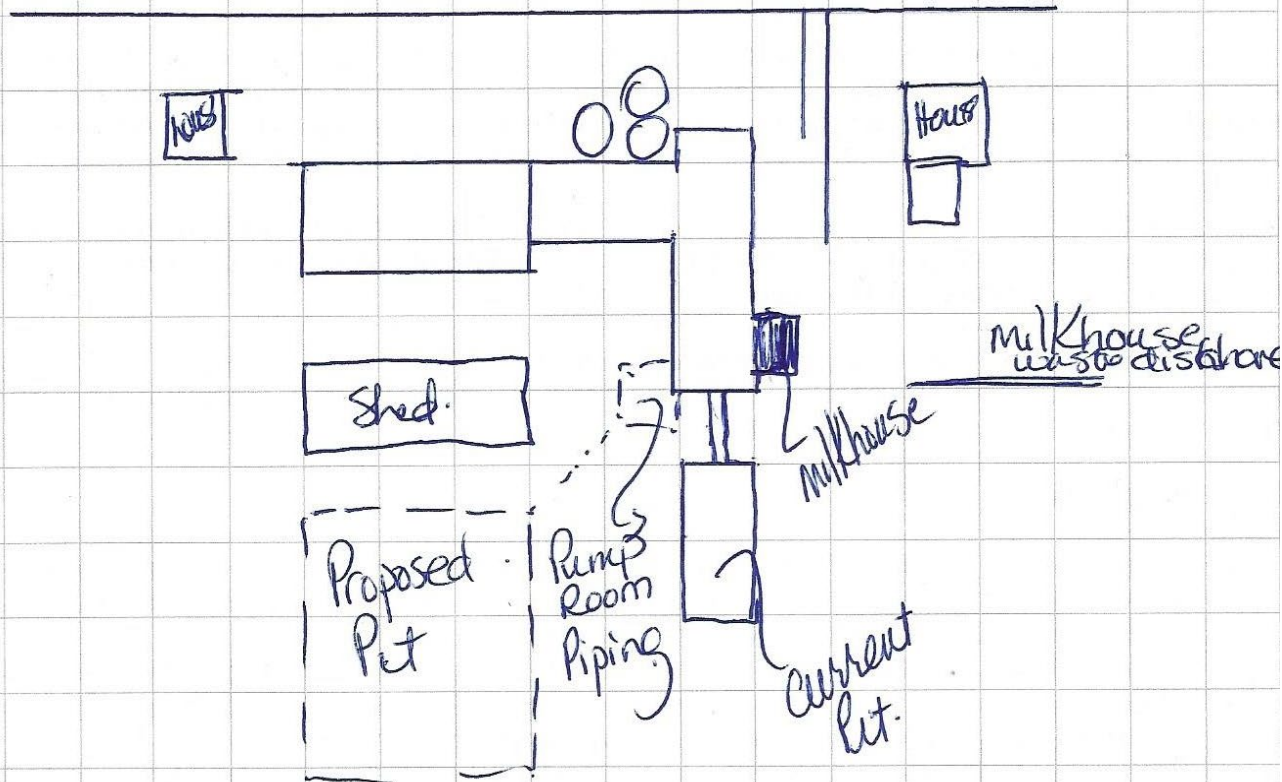
2022-NDU-CW03A

Agenda Page. 27



2022-NDU-CW03A

Agenda Page. 27



2022-NDU-CW03A

Agenda Page. 27

2022 Project Rating for Manure and Milkhouse Wastewater

Project Code: 2022-NDU-CW03 A

Project Type: Manure Storage

Rep: Jackie P.

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of watercourse	<i>Permanent natural/wetland</i>	<i>Intermittent</i>	<i>Private ditch</i>	2	2
2. Distance to watercourse or floodplain OR within Wellhead Protection Area (WHPA) A or B OR Intake Protection Zone (IPZ) 1 or 2	<100m OR WHPA A OR IPZ 1	100 – 300m OR WHPA B OR IPZ 2	>300m	3	3
3. Evidence of contamination	Visible	Potential	No evidence	5	5
4. Phosphorus reduction	>100 kg/yr	100 kg/yr – 25 kg/yr	<25 kg/yr	3	2
5. Subwatershed health score and priority subwatershed	Poor	Fair	Good	6	6
6. Reps overall score				3	3
Sub Total Score				22	21
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use: Agriculture – residential

Other notes: —

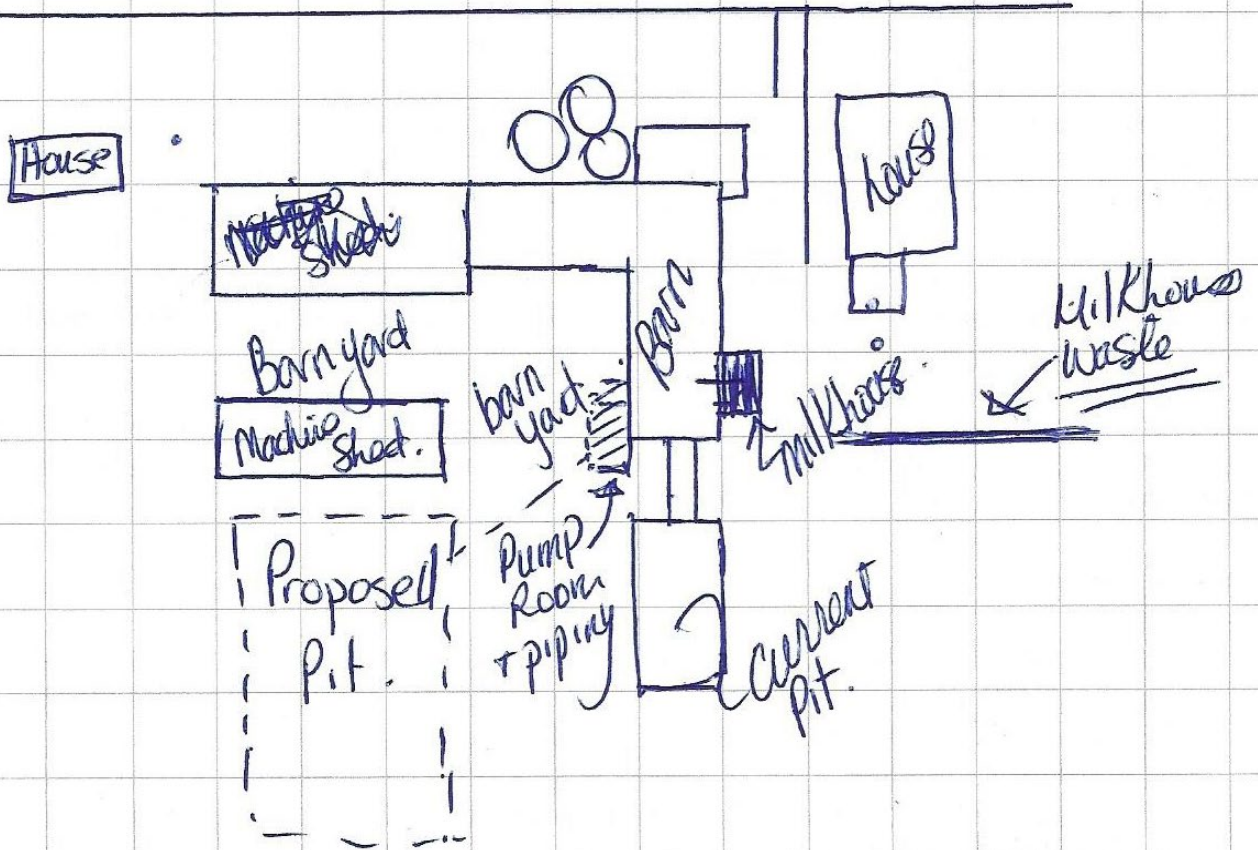
2022-NDU-CW03B

Agenda Page. 28



2022-NDU-CW03B

Agenda Page. 28



2022-NDU-CW03B

Agenda Page. 28

~~Confidential~~

2022 Project Rating for Manure and Milkhouse Wastewater

Project Code: 2022-NDU-CW03 B

Project Type: Milkhouse Wastewater

Rep: J. Pemberton

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of watercourse	Permanent natural/wetland	Intermittent	Private ditch	2	2
2. Distance to watercourse or floodplain OR within Wellhead Protection Area (WHPA) A or B OR Intake Protection Zone (IPZ) 1 or 2	<100m OR WHPA A OR IPZ 1	100 - 300m OR WHPA B OR IPZ 2	>300m	3	3
3. Evidence of contamination	Visible	Potential	No evidence	5	5
4. Phosphorus reduction	>100 kg/yr	100 kg/yr - 25 kg/yr	<25 kg/yr	3	2
5. Subwatershed health score and priority subwatershed	Poor	Fair	Good	6	6
6. Rops overall score				3	3
Sub Total Score				22	21
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use: Agricultural & Residential

Other notes: _____

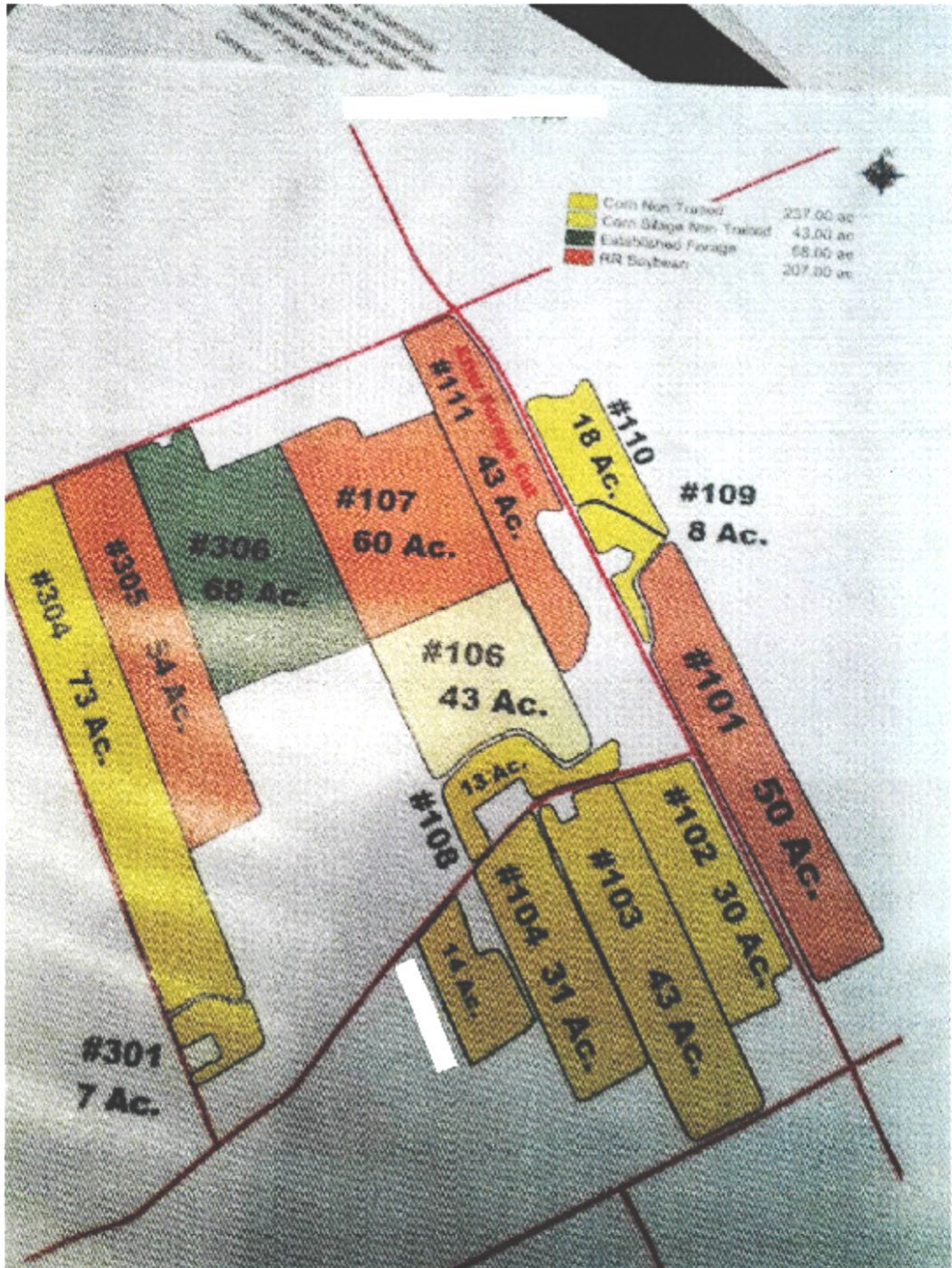
2022-SDU-CW04

Agenda Page. 29

NO PICTURE

2022-SDU-CW04

Agenda Page. 29



2022-SDU-CW04

Agenda Page. 29

2022 Project Rating for Cover Crops

Project Code: 2022-SDU-CW04

Project Type: Cover Crops

Rep: Adrian Wynands

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of watercourse	Permanent natural/wetland	Intermittent	Private ditch	3	1
2. Type of cover crop	Multi species		Single species	4	2
3. Upland slope	>5%	3% - 5%	<2%	3	2
4. Termination time	Spring	Late Fall	Early Fall	3	2
5. Subwatershed health score OR priority subwatershed OR in a WHPA A or B or IPZ 1 or 2	Poor OR IPZ 1 OR WHPA A	Fair OR IPZ 2 OR WHPA B	Good	6	6
6. Reps overall score				3	3
Sub Total Score				22	16
7. Committee's overall project priority				5	
Total Score				27	

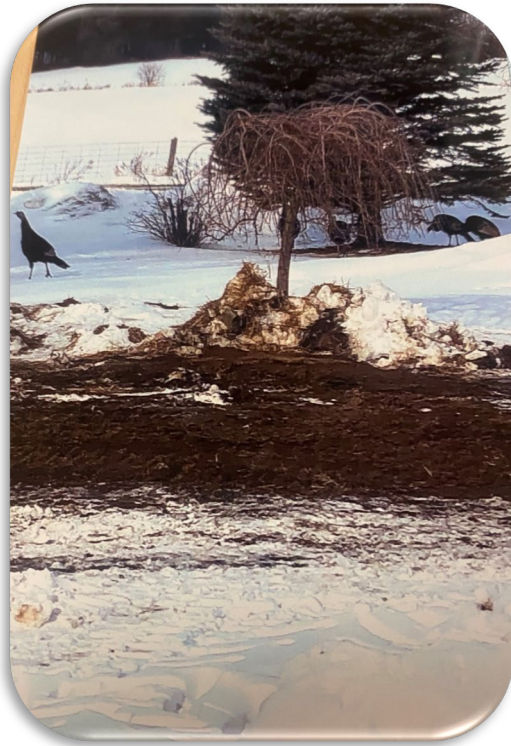
Notes:

Adjacent Land Use: Agriculture

Other notes: _____

2022-EDW-CW05

Agenda Page. 30



2022-SDU-CW05

Agenda Page. 30

2022 Project Rating for Well Decommissioning

Project Code: 2022-EDW-CW05

Project Type: Well Decommissioning

Rep: Adrian Wynand

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of well	Dug - Stone - Tiles	Bored - Drilled	Sandpoint	3	2
2. Distance to well in use OR within Wellhead Protection Area (WHPA) A or B OR Intake Protection Zone (IPZ) 1 or 2	<100m OR WHPA A OR IPZ 1	100m - 300m OR WHPA B OR IPZ 2	>300m	4	3
3. Condition of visible casing/cover on well OR demonstrated water quality impairment as per the Ontario Drinking Water Quality Standards	E.g. No cover, grade sloping towards well, open annular spacing around casing OR Water Quality samples indicating contamination	E.g. No cover, above grade	E.g. Covered, above grade, no annular spacing around casing	5	5
4. Distance to closest contamination source (e.g. barn, street or driveway run off)	<15m	15m - 30m	>30m	3	3
5. Subwatershed health score and priority subwatershed	Poor	Fair	Good	4	4
6. Reps overall score				3	3
Sub Total Score				22	20
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use: _____

Other notes: _____

2022-NST-CW06

Agenda Page. 31



2022-NST-CW06

Agenda Page. 31



2022-NST-CW06

Agenda Page. 31

2022 Project Rating for Cover Crops

Project Code: 2022-NST-CW06

Project Type: cover crop

Rep: Rene

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of watercourse	<i>Permanent natural/wetland</i>	<i>Intermittent</i>	<i>Private ditch</i>	3	<i>3</i>
2. Type of cover crop	<i>Multi species</i>		<i>Single species</i>	4	<i>2</i>
3. Upland slope	<i>>5%</i>	<i>3% - 5%</i>	<i><2%</i>	3	<i>1</i>
4. Termination time	<i>Spring</i>	<i>Late Fall</i>	<i>Early Fall</i>	3	<i>3</i>
5. Subwatershed health score OR priority subwatershed OR in a WHPA A or B or IPZ 1 or 2	<i>Poor OR IPZ 1 OR WHPA A</i>	<i>Fair OR IPZ 2 OR WHPA B</i>	<i>Good</i>	6	<i>4</i>
6. Reps overall score				3	<i>3</i>
Sub Total Score				22	<i>16</i>
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use: _____

Other notes: _____

2022-NST-CW07

Agenda Page. 32



2022-NST-CW07

Agenda Page. 32



Decommission well at foot of
steps to house.

2022-NST-CW07

Agenda Page. 32

2020 Project Rating for Well Decommissioning

Project Code: 2022-NST-CW01

Project Type: Well Decommissioning

Rep: Rene Lalonde

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of well	Dug - Stone - Tiles	Bored - Drilled	Sandpoint	3	3
2. Distance to well in use OR within Wellhead Protection Area (WHPA) A or B OR Intake Protection Zone (IPZ) 1 or 2	<100m OR WHPA A OR IPZ 1	100m - 300m OR WHPA B OR IPZ 2	>300m	4	1
3. Condition of visible casing/cover on well OR demonstrated water quality impairment as per the Ontario Drinking Water Quality Standards	E.g. No cover, grade sloping towards well, open annular spacing around casing OR Water Quality samples indicating contamination	E.g. No cover, above grade	E.g. Covered, above grade, no annular spacing around casing	5	2
4. Distance to closest contamination source (e.g. barn, street or driveway run off)	<15m	15m - 30m	>30m	3	3
5. Subwatershed health score and priority subwatershed	Poor	Fair	Good	4	3
6. Reps overall score				3	2
Sub Total Score				22	14
7. Committee's overall project priority				5	
Total Score				27	

2022-NST-CW08A

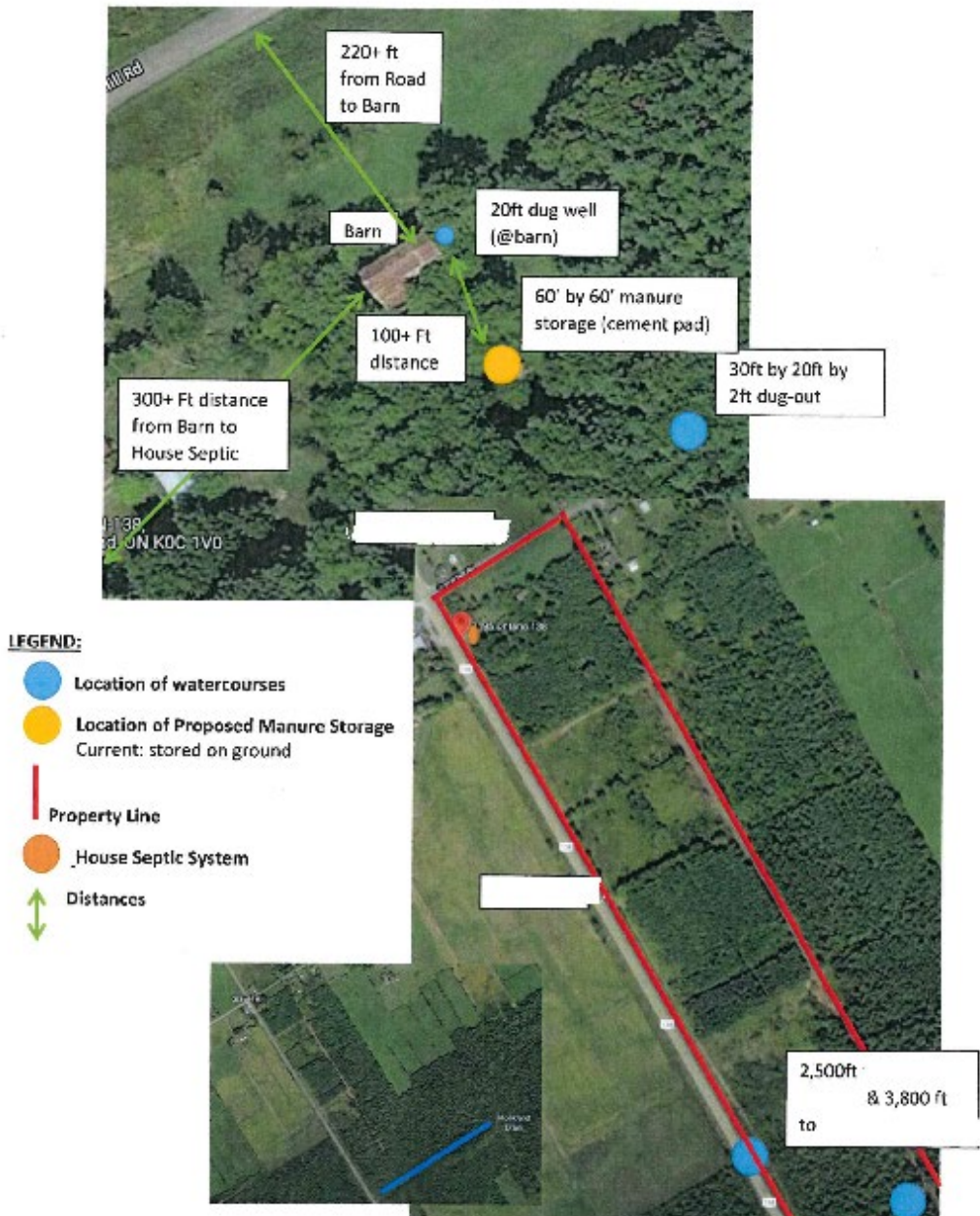
Agenda Page. 33



2022-NST-CW08A

Agenda Page. 33

South Nation Conservation Manure Storage



2022-NST-CW08A

Agenda Page. 33

2022 Project Rating for Manure and Milkhouse Wastewater

Project Code: 2022-NST-CW08 A

Project Type: Manure Storage

Rep: Reni

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of watercourse	<i>Permanent natural/wetland</i>	<i>Intermittent</i>	<i>Private ditch</i>	2	<u>2</u>
2. Distance to watercourse or floodplain OR within Wellhead Protection Area (WHPA) A or B OR Intake Protection Zone (IPZ) 1 or 2	<i><100m OR WHPA A OR IPZ 1</i>	<i>100 – 300m OR WHPA B OR IPZ 2</i>	<i>>300m</i>	3	<u>3</u>
3. Evidence of contamination	<i>Visible</i>	<i>Potential</i>	<i>No evidence</i>	5	<u>5</u>
4. Phosphorus reduction	<i>>100 kg/yr</i>	<i>100 kg/yr – 25 kg/yr</i>	<i><25 kg/yr</i>	3	<u>3</u>
5. Subwatershed health score and priority subwatershed	<i>Poor</i>	<i>Fair</i>	<i>Good</i>	6	<u>4</u>
6. Reps overall score				3	<u>3</u>
Sub Total Score				22	<u>20</u>
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use:

Other notes: Manure is piled outside on the ground
Rain water & snow runoff. Very muddy.

2022-NST-CW08B

Agenda Page. 34

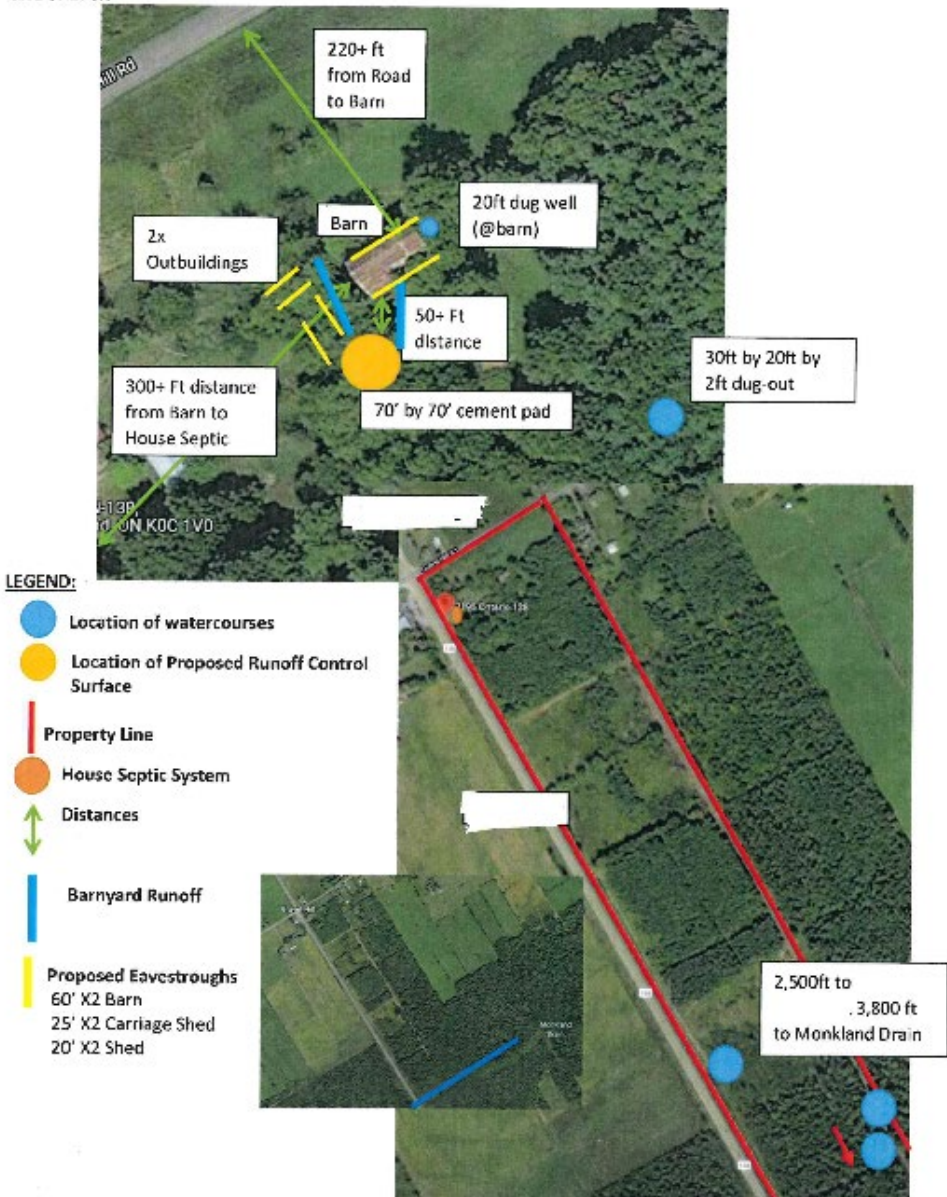


2022-NST-CW08B

Agenda Page. 34

South Nation Conservation
Clean Water Diversion / Barnyard Run-Off Control

SITE SKETCH



2022-NST-CW08B

Agenda Page. 34

2022 Project Rating for Clean Water Diversion/Barnyard Runoff Control

Project Code: 2022-NST-CW08B

Project Type: Clean Water Diversion / Barnyard Runoff Control

Rep: Rene

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of watercourse	<i>Permanent natural/wetland</i>	<i>Intermittent</i>	<i>Private ditch</i>	2	2
2. Distance to watercourse or floodplain OR within Wellhead Protection Area (WHPA) A or B OR Intake Protection Zone (IPZ) 1 or 2	<100m OR WHPA A OR IPZ 1	100m – 300m OR WHPA B OR IPZ 2	>300m	3	3
3. Evidence of contamination	Visible	Potential	No evidence	5	5
4. Phosphorus reduction	>100 kg/yr	100 kg/yr – 25 kg/yr	<25 kg/yr	3	1
5. Subwatershed health score OR priority subwatershed	Poor	Fair	Good	6	4
6. Reps overall score				3	3
Sub Total Score				22	18
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use: _____

Other notes: Roof and uphill water runs through the manure pile.

2022-NST-CW08C

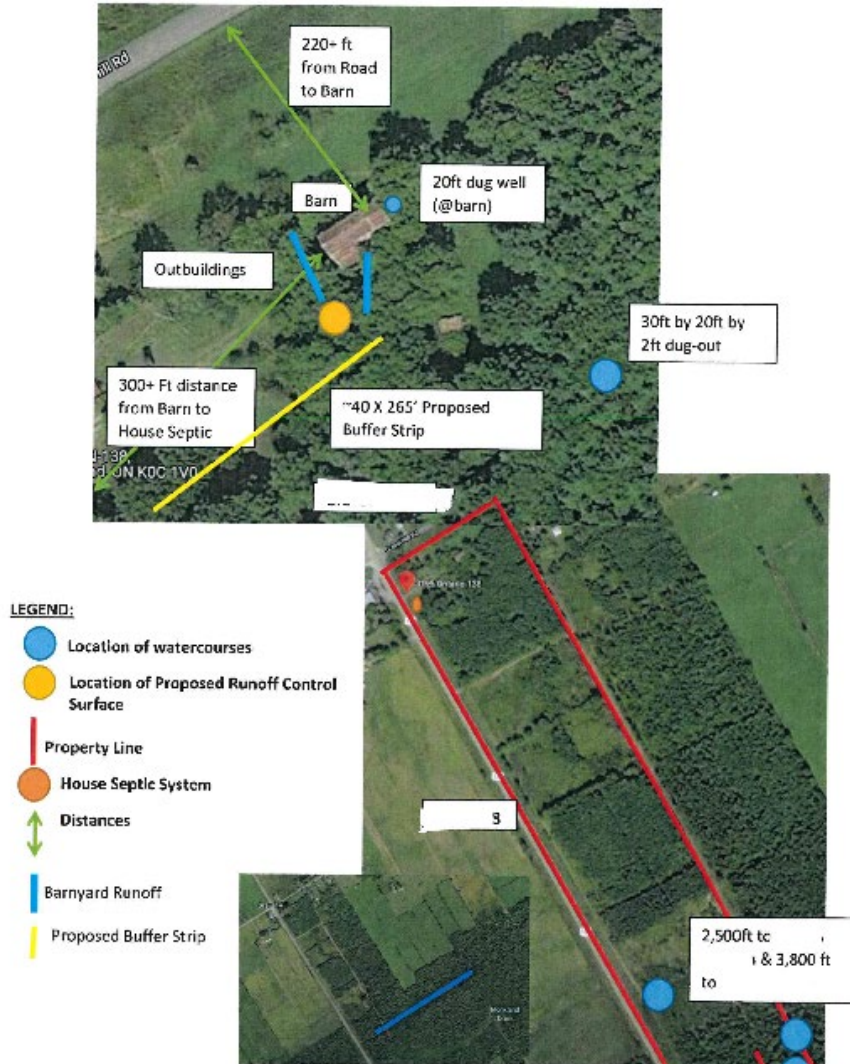
Agenda Page. 35



2022-NST-CW08C

Agenda Page. 35

South Nation Conservation Buffer Strip



2022-NST-CW08C

Agenda Page. 35

2022 Project Rating for Buffer Strip

Project Code: 2022-NST-CW08C

Project Type: Buffer Strip

Rep: Reze

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of watercourse	Permanent natural/wetland	intermittent	Private ditch	2	2
2. Evidence of erosion	Visible	Potential	No evidence	3	3
3. Slope of adjacent land	>5%	3% - 5%	<2%	3	3
4. Width of proposed buffer	>10m	10m - 3m	3m	5	5
5. Subwatershed health score OR priority subwatershed OR in a WHPA A or B or IPZ 1 or 2	Poor OR IPZ 1 OR WHPA A	Fair OR IPZ 2 OR WHPA B	Good	6	4
6. Reps overall score				3	3
Sub Total Score				22	20
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use:

Other notes: Now the runoff goes into the trees and present location of manure pile.

2022-APL-CW09

Agenda Page. 36



Significance: $p < 0.05$

2022-APL-CW09

Agenda Page. 36

2022 Project Rating for Manure and Milkhouse Wastewater

Project Code: 2022-APL-CW09
 Project Type: Manure Storage
 Rep: D. nch

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of watercourse	Permanent natural/wetland	Intermittent	Private ditch	2	2
2. Distance to watercourse or floodplain OR within Wellhead Protection Area (WHPA) A or B OR Intake Protection Zone (IPZ) 1 or 2	<100m OR WHPA A OR IPZ 1	100 - 300m OR WHPA B OR IPZ 2	>300m	3	3
3. Evidence of contamination	Visible	Potential	No evidence	5	5
4. Phosphorus reduction	>100 kg/yr	100 kg/yr - 25 kg/yr	<25 kg/yr	3	2
5. Subwatershed health score and priority subwatershed	Poor	Fair	Good	6	4
6. Reps overall score				3	3
Sub Total Score				22	19
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use: Agricultural

Other notes: Broiler barn of 30,000 birds - manure pile without retaining wall for liquid - remedy to situation - to install a steel manure tank

2022-RUS-CW10

Agenda Page. 37



2022-RUS-CW10

Agenda Page. 37

7. Croquis

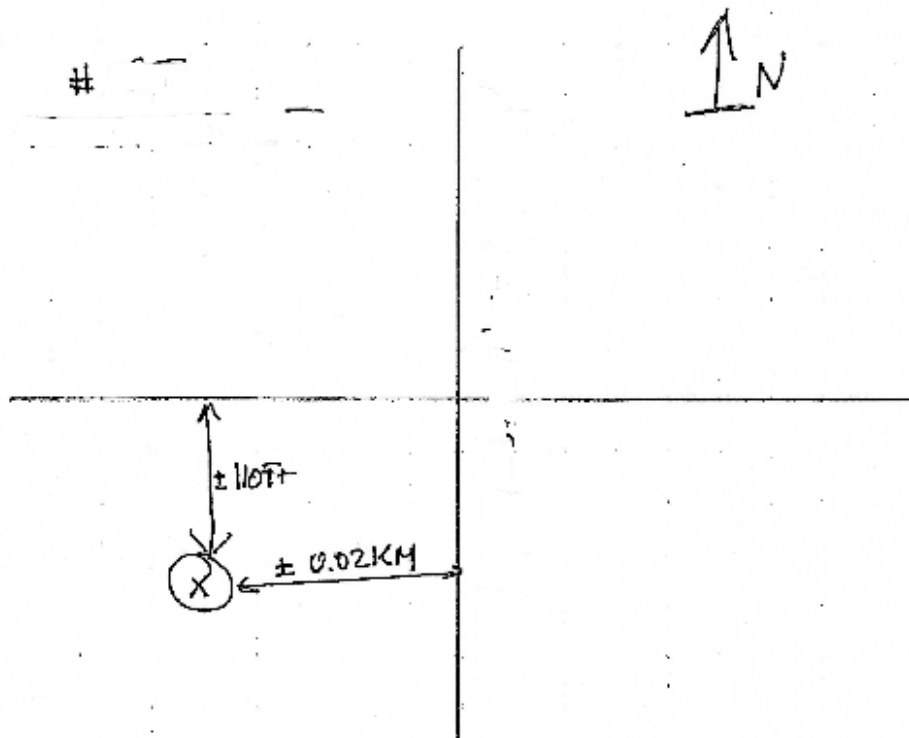
Veuillez indiquer :

- l'emplacement et le nom du (des) cours d'eau;
- l'emplacement de la structure existante et du projet proposé, y compris la distance les séparant des cours d'eau et des limites du terrain;
- l'emplacement de tous les bâtiments, puits, fosses septiques, limites du terrain et chemins, ainsi que les distances;
- toutes les caractéristiques pertinentes, comme la largeur de la bande tampon, la longueur des clôtures, la superficie du pâturage et les autres dimensions précisées dans la section sur le projet.

Lot: _____

Concession: _____

Ancien canton: _____



2022-RUS-CW10

Agenda Page. 37

2022 Project Rating for Well Decommissioning

Project Code: 2022-RUS-CW10
 Project Type: Well Decom
 Rep: A note

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of well	Dug - <u>Stone Tiles</u>	Bored - Drilled	Sandpoint	3	3
2. Distance to well in use OR within Wellhead Protection Area (WHPA) A or B OR Intake Protection Zone (IPZ) 1 or 2	<100m OR WHPA A OR IPZ 1	100m - 300m OR WHPA B OR IPZ 2	>300m	1 <i>Proximity to Coaster River</i>	3.5
3. Condition of visible casing/cover on well OR demonstrated water quality impairment as per the Ontario Drinking Water Quality Standards	E.g. No cover, grade sloping towards well, open annular spacing around casing OR Water Quality samples indicating contamination	E.g. No cover, above grade	E.g. Covered, above grade, no annular spacing around casing	5	3
4. Distance to closest contamination source (e.g. barn, street or driveway run off)	<15m	15m - 30m	>30m	3	3
5. Subwatershed health score and priority subwatershed	Poor	Fair	Good	4	6
6. Reps overall score				3	2.5
Sub Total Score				22	21
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use: Older section of a village

Other notes: Well no longer needed with public facilities

- well of 18" diameter, 2.9' deep according to contractor - dug in 1962, 5' from foundation of existing well.

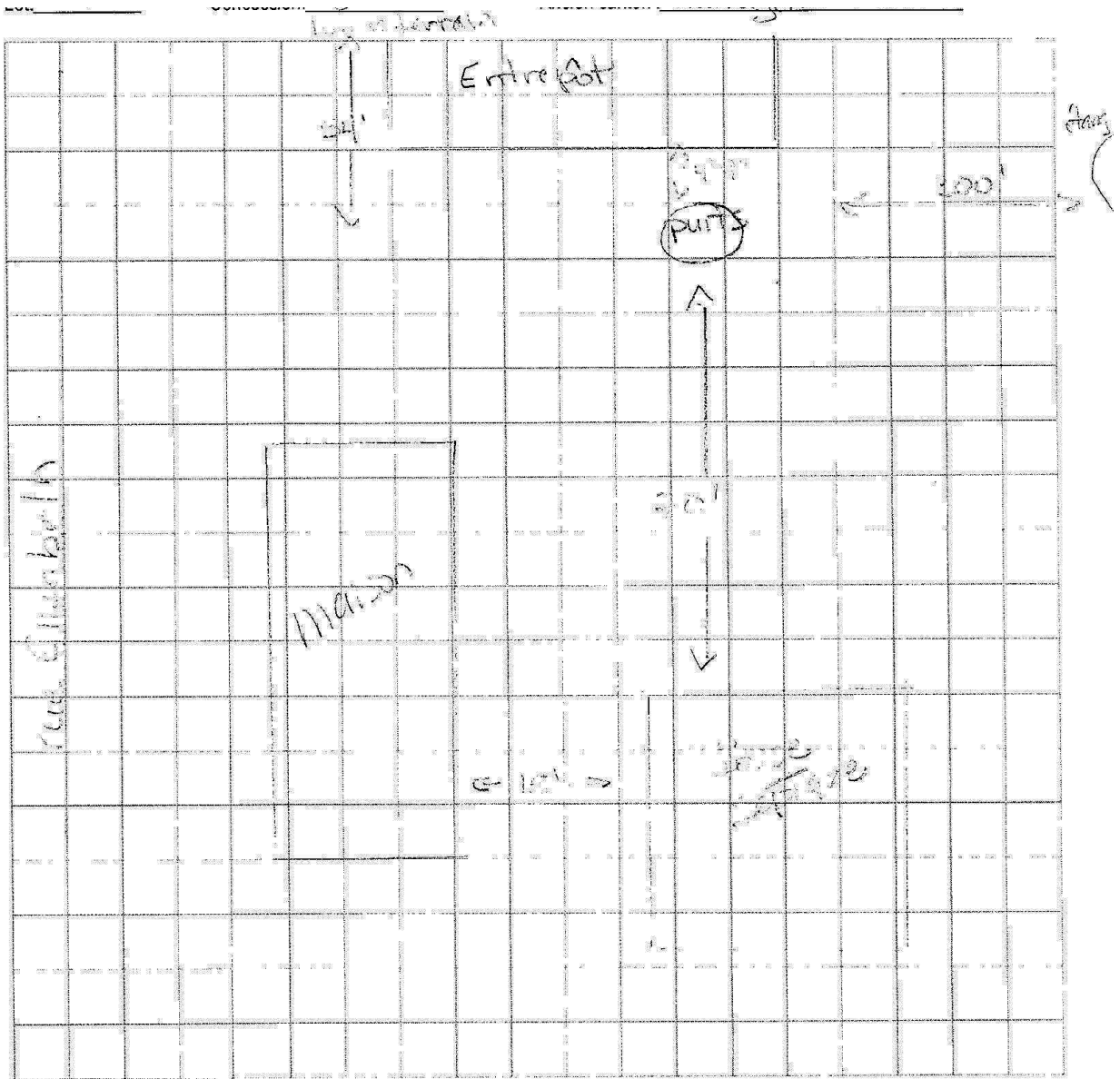
2022-APL-CW11

Agenda Page. 38



2022-APL-CW11

Agenda Page. 38



2022-APL-CW11

Agenda Page. 38

Project Code: 2022-APL-CW11
 Project Type: Well Decom
 Rep: Anchi

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of well	Dug - Stone Piles	Bored - Drilled	Sandpoint	3	3
2. Distance to well in use OR within Wellhead Protection Area (WHPA) A or B OR Intake Protection Zone (IPZ) 1 or 2	<100m OR WHPA A OR IPZ 1	100m - 300m OR WHPA B OR IPZ 2	>300m	4	4
3. Condition of visible casing/cover on well OR demonstrated water quality impairment as per the Ontario Drinking Water Quality Standards	E.g. No cover, grade sloping towards well, open annular spacing around casing OR Water Quality samples indicating contamination	E.g. No cover, above grade	E.g. Covered, above grade, no annular spacing around casing	5	5
4. Distance to closest contamination source (e.g. barn, street or driveway run off)	<15m	15m - 30m	>30m	3	1
5. Subwatershed health score and priority subwatershed	Poor	Fair	Good	4	3
6. Reps overall score				3	3
Sub Total Score				22	19
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use: Residential

Other notes: Surface water filtering in - high bacteria level - 50 year old well.

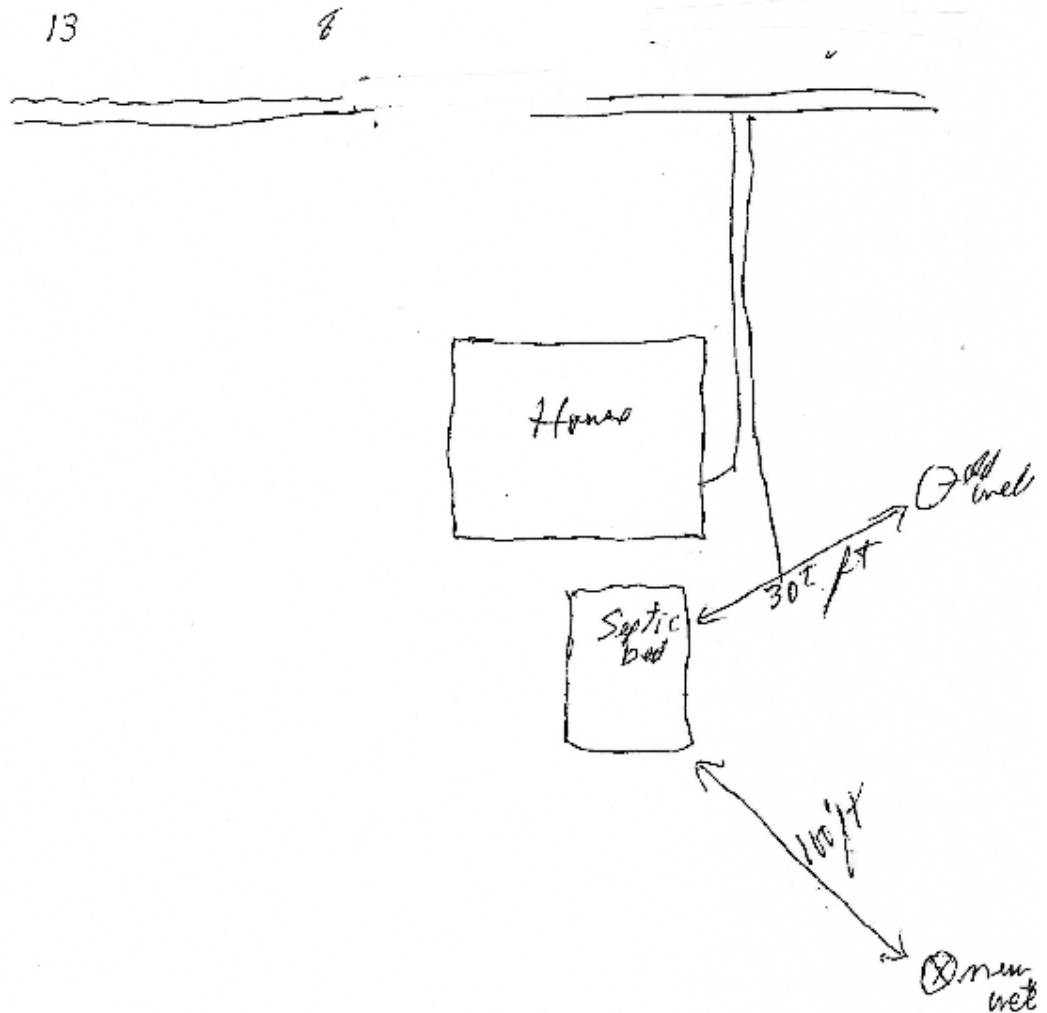
2022-NAT-CW12

Agenda Page. 39



2022-NAT-CW12

Agenda Page. 39



2022-NAT-CW12

Agenda Page. 39

2022 Project Rating for Well Decommissioning

Project Code: 2022-NAT-CW12
 Project Type: Well Decom
 Rep: Andri

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of well	Dug - Stole - Tiles	Bored - Drilled	Sandpoint	3	3
2. Distance to well in use OR within Wellhead Protection Area (WHPA) A or B OR Intake Protection Zone (IPZ) 1 or 2	<100m OR WHPA A OR IPZ 1	100m - 300m OR WHPA B OR IPZ 2	>300m	4	4
3. Condition of visible casing/cover on well OR demonstrated water quality impairment as per the Ontario Drinking Water Quality Standards <i>no water</i>	E.g. No cover, grade sloping towards well, open annular spacing around casing OR Water Quality samples indicating contamination	E.g. No cover, above grade	E.g. Covered, above grade, no annular spacing around casing	5	5
4. Distance to closest contamination source (e.g. barn, street or driveway run off)	<15m	15m - 30m	>30m	3	2
5. Subwatershed health score and priority subwatershed	Poor	Fair	Good	4	3
6. Reps overall score				3	3
Sub Total Score				22	20
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use: Rural Residential

Other notes: Sand point in a dug well
- no water

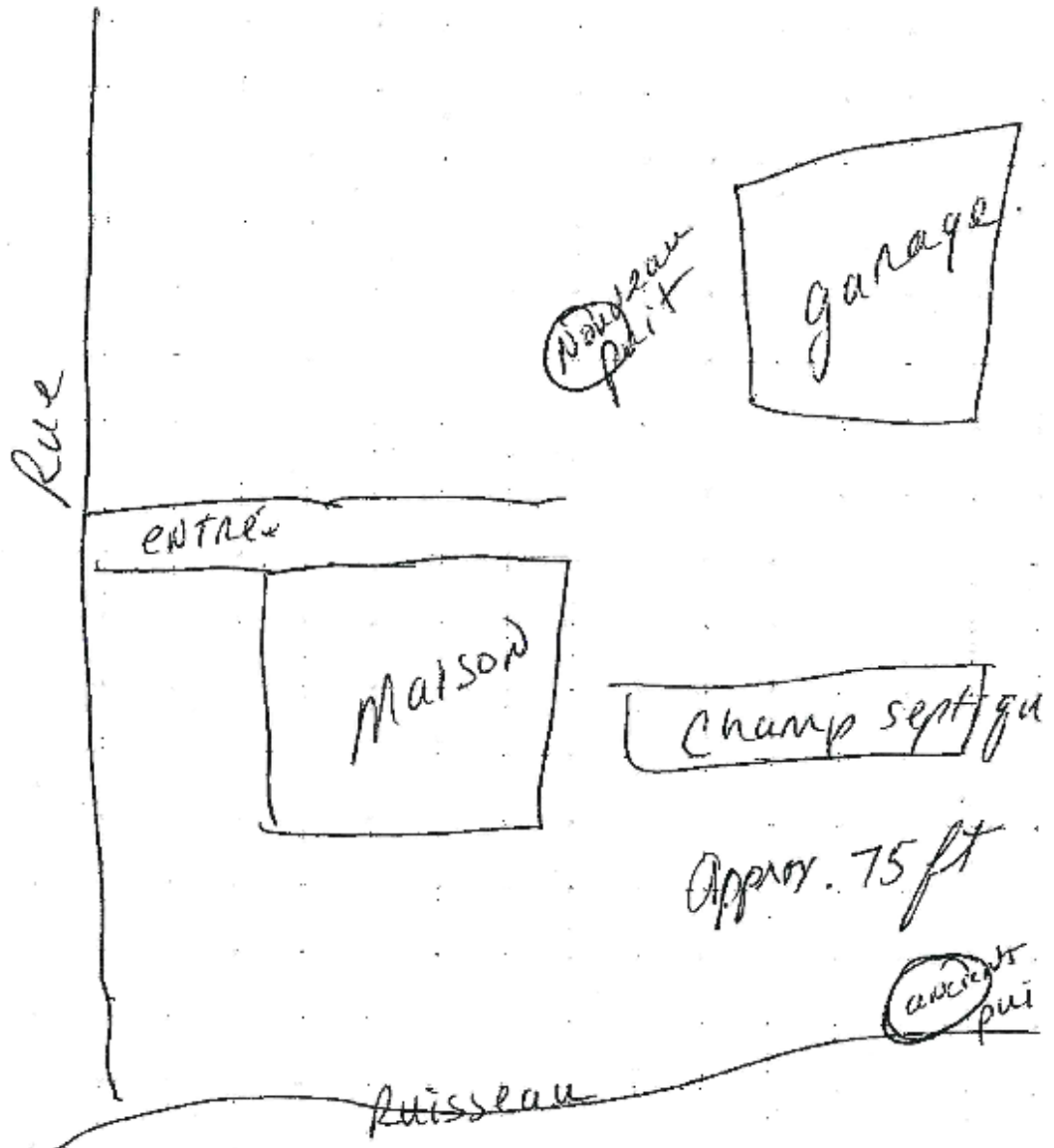
2022-APL-CW13

Agenda Page. 40



2022-APL-CW13

Agenda Page. 40



2022-APL-CW13

Agenda Page. 40

2022 Project Rating for Well Decommissioning

Project Code: 2022-APL-CW13
 Project Type: Well Decom
 Rep: Andi

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Type of well	Dug - Stone Tiles	Bored - Drilled	Sandpoint	3	3
2. Distance to well in use OR within Wellhead Protection Area (WHPA) A or B OR Intake Protection Zone (IPZ) 1 or 2	<100m OR WHPA A OR IPZ 1	100m - 300m OR WHPA B OR IPZ 2	>300m	4	4
3. Condition of visible casing/cover on well OR demonstrated water quality impairment as per the Ontario Drinking Water Quality Standards	E.g. No cover, grade sloping towards well, open annular spacing around casing OR Water Quality samples indicating contamination	E.g. No cover, above grade	E.g. Covered, above grade, no annular spacing around casing	5	5
4. Distance to closest contamination source (e.g. barn, street or driveway run off)	<15m	15m - 30m	>30m	3	1
5. Subwatershed health score and priority subwatershed	Poor	Fair	Good	4	3
6. Reps overall score				3	3
Sub Total Score				22	19
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use: Rural Residential

Other notes: No water

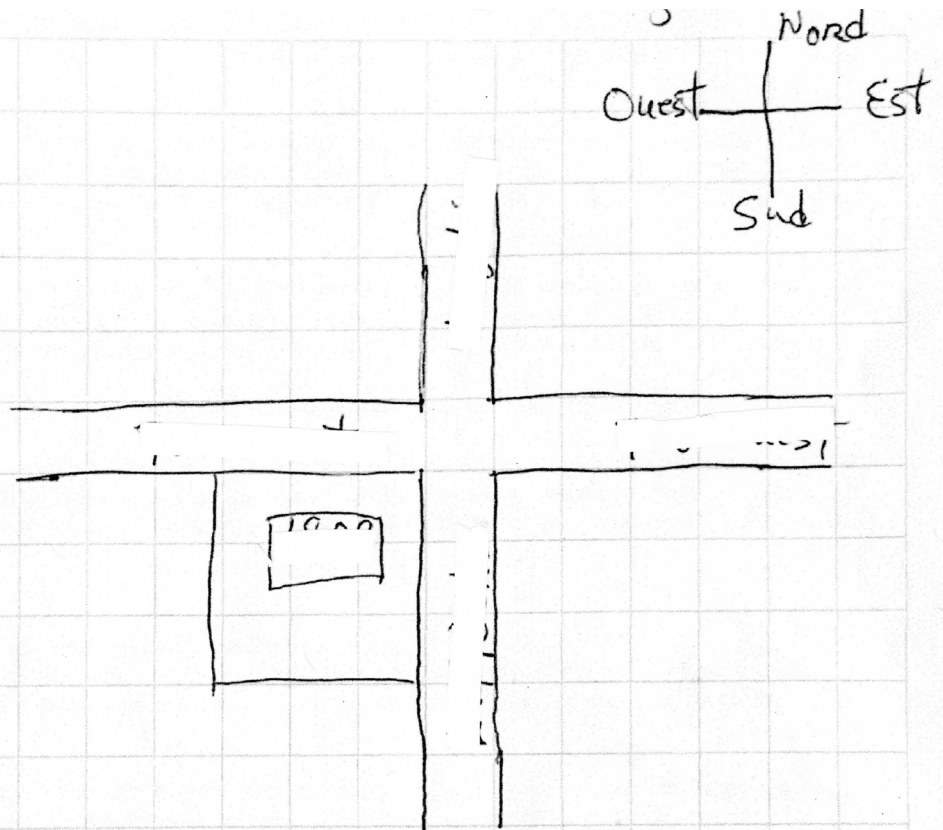
2022-NAT-CW14

Agenda Page. 41



2022-NAT-CW14

Agenda Page. 41



2022-NAT-CW14

Agenda Page. 41

2022 Project Rating for Septic Systems

Project Code: 2022-NAT-CW14

Project Type: Septic Systems

Rep: Amde

Criteria	Evaluation of Criteria			Total Available Points	Project Score
	High	Medium	Low		
1. Evidence of system failure	Visible, system failed	In-house issues (e.g. toilet won't flush)	No evidence, preventative, system old	6	5
2. Age of septic system	20 years or older	10-19 years	Less than 10 years	3	3
3. New system type	Full replacement with advance system	Full replacement with conventional system	Repair tank and/or treatment trench	2	2
4. Distance to well or watercourse OR within Wellhead Protection Area (WHPA) OR Intake Protection Zone (IPZ) 1 or 2	<15m OR WHPA A OR IPZ 1	15-30m OR WHPA B OR IPZ 2	>30m	3	2
5. Subwatershed health score OR priority subwatershed	Poor	Fair	Good	5	4
6. Reps overall score				3	3
Sub Total Score				22	19
7. Committee's overall project priority				5	
Total Score				27	

Notes:

Adjacent Land Use: Agriculture

Other notes: System not working - at least 50 years old - full replacement