

CARLTON COUNTY
ZONING AND ENVIRONMENTAL SERVICES
301 Walnut Avenue, Room 103
P.O. Box 220
Carlton, MN 55718-0220
218-384-9176
www.co.carlton.mn.us

Permit number

Township

MINOR SUBDIVISION APPLICATION

The following conditions must be met in order to be approved for a Minor Subdivision per Carlton County Subdivision Ordinance #28:

- Requires Planning Commission review and County Board approval.
- Maximum of eight residential lots.
- The lot size for parcels created in an A-1 Zoning District is not less than 20 acres; or, if a cluster subdivision, no less than two (2) acres and no greater than five (5) acres.
- The minimum lot size for parcels created in the A-2 Zoning District is 2.5 acres.
- The minimum lot size and frontage requirements for lots created in all other zoning districts must meet the standards in Carlton County Zoning Ordinance #27.
- No more than four (4) lots per quarter-quarter section may front on an existing public road.
- All lots must meet the lot width requirements of Carlton County Subdivision Ordinance #28 on existing or new public/private roads.
- Road design and construction must meet the requirements of Carlton County Subdivision Ordinance #28.
- Easements must be described and recorded on the title of all affected properties for private roads.
- A perpetual maintenance agreement is required for all private roads serving two or more properties and must be recorded on the title of all affected properties.
- The subdivision complies with all requirements of Carlton County Zoning Ordinance #27, Carlton County Subdivision Ordinance #28 and Carlton County Subsurface Sewage Treatment System Ordinance #30.

Please complete each entry and check off each item. An incomplete application will be returned.

APPLICANT: _____

MAILING ADDRESS: _____

EMAIL (optional): _____

DAYTIME PHONE NUMBER

OTHER PHONE NUMBER

AUTHORIZED REPRESENTATIVE: _____

AUTHORIZED REPRESENTATIVE PHONE NUMBER: _____

AUTHORIZED REPRESENTATIVE ADDRESS: _____

FOR OFFICE USE ONLY

PERMIT NUMBER _____ FEE _____ CASE NUMBER _____

ZONING DISTRICT _____ SHORELAND CLASS _____ RECEIPT NUMBER _____

VARIANCE _____ SHORELAND ID NUMBER _____

DATE, TIME AND PLACE OF HEARING _____

APPROVED DENIED BY _____ DATE _____

CONDITIONS ATTACHED YES NO

C/T _____ PLAT _____ PARCEL _____

MINOR SUBDIVISION APPLICATION

SURVEY COMPANY AND CONTACT: _____

SURVEY COMPANY PHONE NUMBER: _____

SURVEY COMPANY ADDRESS: _____

SURVEY COMPANY LICENSE NUMBER: _____

YES NO

Have you attached payment (see attached fee schedule)? Make check payable to *Carlton County Treasurer.*

YES NO

Have you completed the attached application with original signatures? Application must have original signatures. Copies will not be accepted. Please complete in pen.

YES NO

Is this property Torrens Property? If the property is Torrens, contact the Carlton County Recorder for consultation.

YES NO

Is your property located within 1,000 feet of a lake or 300 feet of a stream or river?
 If yes, do you have a current Certificate of Compliance for your septic system? The Zoning and Environmental Services Office can complete compliance inspections on systems where adequate information was included on the original permit. If it was not included, a licensed private inspector must be contracted to complete the inspection.

LAKE, RIVER OR STREAM NAME: _____

PROPERTY OWNER: _____

PROPERTY ADDRESS: _____

SECTION: _____ **TOWNSHIP:** _____ **RANGE:** _____

PARCEL IDENTIFICATION NUMBER(S): _____

COMPLETE ORIGINAL LEGAL DESCRIPTION (attached additional sheets if necessary):

EXISTING ACREAGE: _____

EXISTING ZONING: _____

PROPOSED NUMBER OF LOTS: _____

PROPOSED ZONING: _____

MINOR SUBDIVISION APPLICATION

YES **NO**
 Have documents been attached that demonstrate the applicant has sufficient interest in the property to apply for a Minor Subdivision?

YES **NO**
 Have you provided the original property description?

YES **NO**
 Have you provided legal descriptions of any proposed new lots and proposed remnant lot to be prepared by a registered land surveyor?

YES **NO** **NA**
 Have you provided any proposed access easement legal descriptions?

YES **NO** **NA**
 Have you provided a perpetual road maintenance agreement for all private roads serving two or more properties?

YES **NO**
 Have you provided two (2) Sewage Treatment Site Evaluation Forms (two sites) for each lot less than 20 acres and 500 feet in lot width? The original form must be completed and submitted by a licensed designer with this completed application form.

YES **NO**
 Have you provided eight (8) copies of a survey map, prepared by a registered surveyor, containing the following information?

- Original property description and the proposed legal descriptions of the proposed lots
- Proposed new property lines with dimensions noted
- All contiguous property and all roads with their proper names
- Proposed use
- Existing and proposed driveway locations on the lots within the subdivision
- Location of all structures and distances from existing and proposed lot lines
- Location of any existing tile lines and drainage ways
- Location and provisions for individual water supply and sewage disposal that meets the requirements of Carlton County Subsurface Sewage Treatment Systems Ordinance #30
- Existing and abandoned wells
- Provisions for any proposed individual water supply wells
- Wetlands on the property, delineated in accordance with the Wetland Conservation Act
- Lakes, rivers and streams, including the ordinary high water level and 100 year flood elevation
- The toe and top of any bluff or red clay bluff
- Any proposed access easements, in a form approved by the County
- Any other information as required by the Zoning and Environmental Services Administrator

MINOR SUBDIVISION APPLICATION

Plan ahead with your proposed division of property. Section 4, Subdivision A, 6 of Carlton County Subdivision Ordinance #28-A indicates that there shall be no subsequent subdivision of any parcels of land in contiguous ownership, any of which have been included in a Minor Subdivision, within a period of three (3) years of the date any such subdivision of land was recorded as part of an earlier Minor Subdivision.

If your application is found complete, the Zoning and Environmental Services Office will distribute copies of the application to County staff, review agencies such as MNDOT and the DNR, the affected Board of Township Supervisors, and any municipality within two (2) miles of the affected property.

You or your authorized agent are required to attend the Planning Commission meeting to answer questions about the application. You will be notified of the date and time of the meeting. The Planning Commission will recommend the County Board approve, approve with modifications, or deny the Minor Subdivision. The County Board will make a decision regarding the Minor Subdivision within 120 days of submittal of a complete application, unless you agree to a delay in writing.

If your application is approved, you must file the subdivision and associated documents with the Carlton County Recorder’s Office within 6 months of approval. You are advised to contact the Carlton County Recorder’s Office to obtain filing information before the application is submitted to the Carlton County Zoning and Environmental Services Office.

Data furnished on this application form is public information.

Applicant and Owner’s Statement

I hereby certify that the information contained in this application is to my knowledge a true, accurate and complete representation of the facts and conditions concerning the proposed minor subdivision. I hereby authorize the Carlton County Zoning and Environmental Services Administrator and authorized staff to enter upon this property to perform such inspections as necessary for the review of this application.

Signature of APPLICANT: _____ Date: _____

I am (We are) the fee title owner(s) of the above described property, and I (we) agree to this application:

Signature of OWNER: _____ Date: _____

Signature of OWNER: _____ Date: _____

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FEE SCHEDULE – Effective February 8, 2022

ZONING PERMIT/LAND USE PERMIT

Accessory Structure or Accessory Structure Addition	\$50.00
Dwelling	\$150.00
Dwelling Addition	\$75.00
Dwelling Deck	\$50.00
Commercial/Industrial Building (primary)	\$200.00
Commercial/Industrial Addition (primary)	\$100.00
Commercial/Industrial Accessory Structure (or addition)	\$100.00
Signs: On Site	\$50.00
Signs: Off Site	\$150.00
Handicap Ramp	No fee
Shoreland Alterations – Zoning Permit	\$100.00
Tower (Communications)	\$150.00
Tower Antennas/Antenna Replacement	\$100.00
Borrow Pit	\$100.00
Vacation Rental	\$150.00
Conditional or Interim Use	\$400.00 + \$46 Recording fee = \$446.00
Variance	\$400.00 + \$46 Recording fee = \$446.00
Appeal of Administrative Decision	\$400.00 + \$46 Recording fee = \$446.00
Rezoning/Zoning Amendment–Residential/Agriculture	\$400.00 + \$46 Recording fee = \$446.00
Rezoning/Zoning Amendment–Commercial/Industrial	\$500.00 + \$46 Recording fee = \$546.00
New E-911 Address Fee	\$85.00
After-the-Fact – 1 st Notice (plus permit fee)	\$100.00 +
After-the-Fact – 2 nd Notice (plus permit fee)	\$300.00 +
After-the-Fact – 3 rd Notice (plus permit fee)	\$600.00 +

SUBDIVISIONS

Administrative Subdivision – Create up to 4 lots	\$150.00
Administrative Subdivision – Lot Line Adjustment	\$150.00
County Surveyor Review Fee – if required	\$75.00+ mileage
Minor Subdivision	\$100.00 per lot
County Surveyor Review Fee – if required	\$75.00+ mileage
Preliminary Plat	\$500.00
Final Plat – plus per lot fee	\$300.00
Per lot fee	\$20.00

SEWER PERMIT

0 - 1,000 GPD – Drainfield/Bed	\$200.00
0 - 1,000 GPD – Mound/At Grade	\$250.00
1,001 - 2,500 GPD – Drainfield/Bed	\$400.00
1,001 - 2,500 GPD – Mound/At Grade	\$500.00
2,501 – 5,000 GPD – Drainfield/Bed	\$600.00
2,501 – 5,000 GPD – Mound/At Grade	\$800.00
5,001 – 10,000 GPD – Drainfield/Bed	\$1,000.00
5,001 – 10,000 GPD – Mound/At Grade	\$1,500.00
Holding Tank	\$150.00
Operating Permit Renewal	\$50.00
Review Revised Design	\$100.00
Re-Inspection	\$100.00
Sewer Compliance only – existing system	\$150.00*

ENVIRONMENTAL ASSESSMENT WORKSHEET (EAW)

EAW Staff Fee	\$500.00
Fee does not include expense for a consultant to prepare EAW	

WETLAND CONSERVATION ACT

Certificate of Exemption or No Loss	\$75.00
Banking Application	\$500.00
Delineation Review	\$100.00
Replacement Plan <10,000 sq. ft.	\$150.00
Replacement Plan 10,000 sq. ft. – 1 acre	\$250.00
Replacement Plan - over 1 acre	\$500.00 per acre
After-the-Fact	Double

WATER TESTING

First Test	\$40.00
Each Additional Test	\$10.00 each
Water Pickup	\$50.00
Water Pickup and Sewer Compliance	\$175.00*
Lead Test	\$40.00

*Septic tanks must be pumped by a licensed septic maintainer at owner’s expense immediately prior to sewer compliance inspection by County staff. This must be coordinated with this office.

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FREQUENTLY ASKED QUESTIONS

- **Carlton County Zoning and Environmental Services** is the zoning authority for all areas of Carlton County except the following cities: Barnum, Carlton, Cloquet, Cromwell, Kettle River, Moose Lake, Wrenshall, Wright and one township, Thomson. Carlton County also has zoning authority in **shoreland areas** (property within 1,000 feet of a classified lake or 300 feet of a classified river or stream) in the City of Cromwell, City of Carlton and Thomson Township.
- Check with the Zoning and Environmental Services Office to find the **Zoning District**. The Zoning District will dictate the lot size requirements, setbacks and property use. See Carlton County Zoning Ordinance #27 - Table 1 Dimensional Standards and Table 2 Height, Setback and Lot Coverage Standards.
- **Zoning Permits** are required for building or moving any structure, no matter the size, including dwellings, additions, decks, privacy fences, garages, storage containers, outhouses, signs, recreational vehicles (under some circumstances) and sheds. Zoning Permits are not required for replacing doors, windows, re-siding or re-roofing (shingles).
- The **State Building Code** is not enforced by this office in the rural parts of Carlton County.
- The design, location, construction and abandonment of **wells** are regulated by the Minnesota Department of Health 218-302-6166.
- **Electrical work** is regulated by the Minnesota Department of Labor and Industry 651-284-5026 or 1-800-DIAL-DLI.
- If a **new driveway** is proposed off a township road, you must contact the specific township to obtain a driveway permit. If the driveway is coming off a county road, you must contact the Carlton County Transportation Department for a driveway permit. If the driveway is coming off a state road, you must contact the Minnesota Department of Transportation.
- A **Subsurface Sewage Treatment System Permit** is a separate application obtained from the Zoning and Environmental Services Office by you or a licensed designer. Septic systems are required to be designed by a designer with a current license from the Minnesota Pollution Control Agency.
- If a structure has **pressurized water**, the structure must be connected to a compliant septic system.
- A current **Certificate of Compliance** for a septic system is required when applying for any permit or point of sale for structures located within 1,000 feet of a classified lake or 300 feet of a classified river or stream.
- A current Certificate of Compliance for a septic system is required before issuance of a Zoning Permit for adding bedrooms.
- The Carlton County Zoning and Environmental Services Office regulates activities in wetlands (**swamps and low areas**). There are many types of wetlands including shrub and wooded wetlands. Check with the Zoning and Environmental Services Offices for information, maps and permit requirements.
- The Carlton County Zoning and Environmental Services Office regulates activities in **shoreland areas** including excavating, filling, and vegetation removal. If your proposed project includes excavating, filling, or vegetation removal in a shoreland area, a Shoreland Alterations Zoning Permit or Interim Use Permit may be required.
- An E-911 number/address is required for all primary structures in Carlton County. Please obtain and complete an E-911 **New Property Address Assignment Application** if you currently do not have an E-911 number/address.
- If the proposed use is not listed as a permitted use in Carlton County Zoning Ordinance #27, a **Conditional/Interim Use Permit Application** may be required.
- If the proposed structure or lot does not meet the dimensional requirements or setbacks of the zoning district, a **Variance Application** may be required.

CARLTON COUNTY ZONING ORDINANCE #27 - TABLE 1 Dimensional Standards

Standards	Districts						Overlay Areas									
	A-1	A-2	R-1	C-1	C-2	M-1	RC	CLR	NE	RD	GD	R	F	T	REM	REC
Density ¹	1:20 acre	1:5 acre	1:1 acre	1:1 acre	1:1 acre	1:5 acre	UD ²	UD	UD	UD	UD	UD	UD	UD	UD	UD
Min. Lot Area	20 acres 2 ac. cluster ³	2.5 acres	1 acre - single; 2 acre duplex	1 acre ⁶	1 acre ⁶	10 acres	UD	UD	UD ⁷	UD ⁷	UD ⁷	UD	UD	UD	17 acre	4.5 acre
Min. Buildable Area ⁸	1/2 acre	1/2 acre	1/2 acre	1/2 acre	1/2 acre	1/2 acre	UD	UD	UD	UD	UD	UD	UD	UD	1 acre	1 acre
Min. Lot Width	330' 165' cluster	250' m&b ⁴ 165' plat ⁵	150'	150'	150'	330'	UD	UD	UD ⁹	UD ⁹	UD ⁹	UD	UD	UD	600'	300'
Min. Lot Depth	300'	300'	150'	200'	200'	660'	UD	UD	UD	UD	UD	UD	UD	UD	UD	UD
OHWL ¹⁰ Structure Setback	NA	NA	NA	NA	NA	NA	NA	NA	150'	100'	75'	200'	150'	100'	200'	150'
OHWL SSTS Setback	NA	NA	NA	NA	NA	NA	NA	NA	150'	100'	100'	150'	100'	100'	150'	150'

NA = Not applicable

1 = Density refers to the number of dwelling units permitted within the corresponding acreage or the number of freestanding or detached businesses under single

Platted Road/Recorded Road Easement (bldg. line to road ROW)

2 = UD refers to underlying or primary zoning district standards which apply within the corresponding overlay district. Where a UD standard is different from an overlay standard, the more restrictive standard shall apply, except DNR riparian lot standards always apply. See Art. 4, Sec. 4, Subd. H.7. for additional shoreland standards.

3 = Cluster refers to a subdivision arrangement that preserves agricultural and forest land as provided in Ordinance #27 and Carlton County Subdivision Ordinance.

4 = M & B refers to a parcel of land created by metes and bounds description and includes other non-platted parcel descriptions.

5 = Plat refers to a parcel of land created by the platting procedures of the Carlton County Subdivision Ordinance.

6 = Minimum lot area is 1/2 area with public sewer.

7 = Non-sewered riparian lot areas are: NE:80,000 sq. ft., RD:40,000 sq. ft.; GD:20,000 sq. ft. See Art. 4, Sec. 4, Subd. H.7. for additional dimensional standards.

8 = Buildable area is a contiguous land area which is unencumbered by surface water, wetlands, floodplain, exposed bedrock, or slopes in excess of 12%.

9 = Non-sewered riparian lot widths are: NE:200 ft., RD:150ft.; GD:100 ft. See Art. 4, Sec. 4, Subd. H.7. for additional dimensional standards.

10 = OHWL means the ordinary high water level of the corresponding public water.

A-1 Agriculture/Forest Management

A-2 Agriculture/Rural Residential

R-1 Recreation Residential

C-1 Commercial Recreation

C-2 Highway Commercial

CLR Closed Landfill Restricted Overlay District

M-1 Limited Industrial

RC Red Clay Overlay Area

NE Shoreland - Natural Environment Lake

RD Shoreland - Recreational Development Lake

GD Shoreland - General Development Lake

R Shoreland - Remote River

F Shoreland - Forested River

T Shoreland - Tributary Stream

REM St. Louis River - Remote Area

REC St. Louis River - Recreational Area

CARLTON COUNTY ZONING ORDINANCE #27 - TABLE 2 Height, Setback and Lot Coverage Standards

Standards	Districts						Overlay Area
	A-1	A-2	R-1	C-1	C-2	M-1	
Maximum Building Height¹:							
Accessory Structure	30'	30'	18'	30'	30'	35'	18'
Agricultural Building	none	none	NA	NA	NA	NA	NA
Dwelling/Primary Structure	30'	30'	30'	30'	30'	35'	35'
Structure Setbacks (Principal and Accessory)							
Front yard:							
Principal/Minor Arterial (bldg. line to road centerline)	110'	110'	110'	110'	110'	110'	110'
Major/Minor Collector (bldg. line to road centerline)	85'	85'	85'	85'	85'	85'	85'
Local Road (bldg. line to road centerline)	85'	85'	85'	85'	85'	85'	85'
All Roads (bldg. line to road ROW ²)	35'	35'	35'	35'	35'	35'	35'
Platted Road/Recorded Road Easement (bldg. line to road ROW)	35'	35'	35'	35'	35'	35'	35'
Side yard (bldg. line to side yard):							
Principal Structure	20'	20'	10'	10'	20'	20'	UD ³
Accessory Structure	10'	10'	10'	10'	10'	10'	UD
Adjacent to A-2 and/or R-1 District	10'	NA	NA	20'	20'	100'	UD
Side yard corner lot - double frontage	front	front	front	front	front	front	front
Rear yard (bldg. line to rear yard):							
Principal Structure	50'	40'	30'	15'	15'	40'	UD ⁵
Accessory Structure ⁴	10'	10'	10'	10'	10'	10'	UD ⁵
Rear yard (bldg. line to alley ROW):							
All Structures	20'	20'	20'	20'	20'	20'	20'
Maximum Lot Coverage: (building, structures, roads, driveways parking areas, and other impervious surfaces, including gravel surfaces)	NA	NA	35%	50%	50%	50%	25%
Accessory to Accessory:	none	none	none	none	none	none	none
Dwelling (Primary Structure) to Accessory	5'	5'	5'	5'	5'	5'	5'

1 = See other district and performance standard provisions for authorized height exceptions, such as towers.

2 = The distance to road centerline shall apply if it results in a larger setback.

3 = UD refers to underlying or primary zoning district standards which apply within the corresponding overlay district. In any instance where a primary district standard is different from an overlay district standard, the more restrictive standard shall apply.

4 = Animal pens, feedlots, or animal structures shall be a minimum of 35 feet from side or rear property lines.

5 = See Table 1, Dimensional Standards, for OHWL setback requirements.

NA Not applicable/not permitted use

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**SUBSURFACE SEWAGE TREATMENT SYSTEM
SITE EVALUATION
Complete ONE (1) form per proposed parcel**

PROPERTY OWNER: _____
PROPERTY ADDRESS: _____

LEGAL DESCRIPTION: _____
SECTION: _____ **TOWNSHIP:** _____ **RANGE:** _____

DATE: _____ **TIME:** _____

Weather Conditions: _____

Are there two (2) acceptable sites that would support Type I septic systems? Yes or No

Check all that apply: Shoreland Dwelling In Wellhead Protection Area Class V
 Food, Beverage, or Lodging Establishment New Existing

Soil Classification:
Unsuitable/Disturbed/Compacted: Yes or No
Type of Observation: Pit Auger
Vegetation Type: Wet Dry Unknown
Drainage (select one): Good Fair Poor Ponding Flooding
Floodplain: Yes or No

Soil Boring Information (complete 3 soils observations per site and record on the attached Soil Observation Logs):

<u>Depth Information</u>	<u>Site #1</u>	<u>Site #2</u>
Standing water:	_____ inches	_____ inches
Bedrock:	_____ inches	_____ inches
Saturated soil:	_____ inches	_____ inches

Indicate N/A if not applicable

Soil Observation Logs attached
 Site Evaluation Maps on other side and attached
Additional Notes: _____

I hereby certify that I have completed this work in accordance with applicable ordinances, rules and laws.
Date: _____
Signature: _____ **License #:** _____
Address: _____ **Phone #:** _____

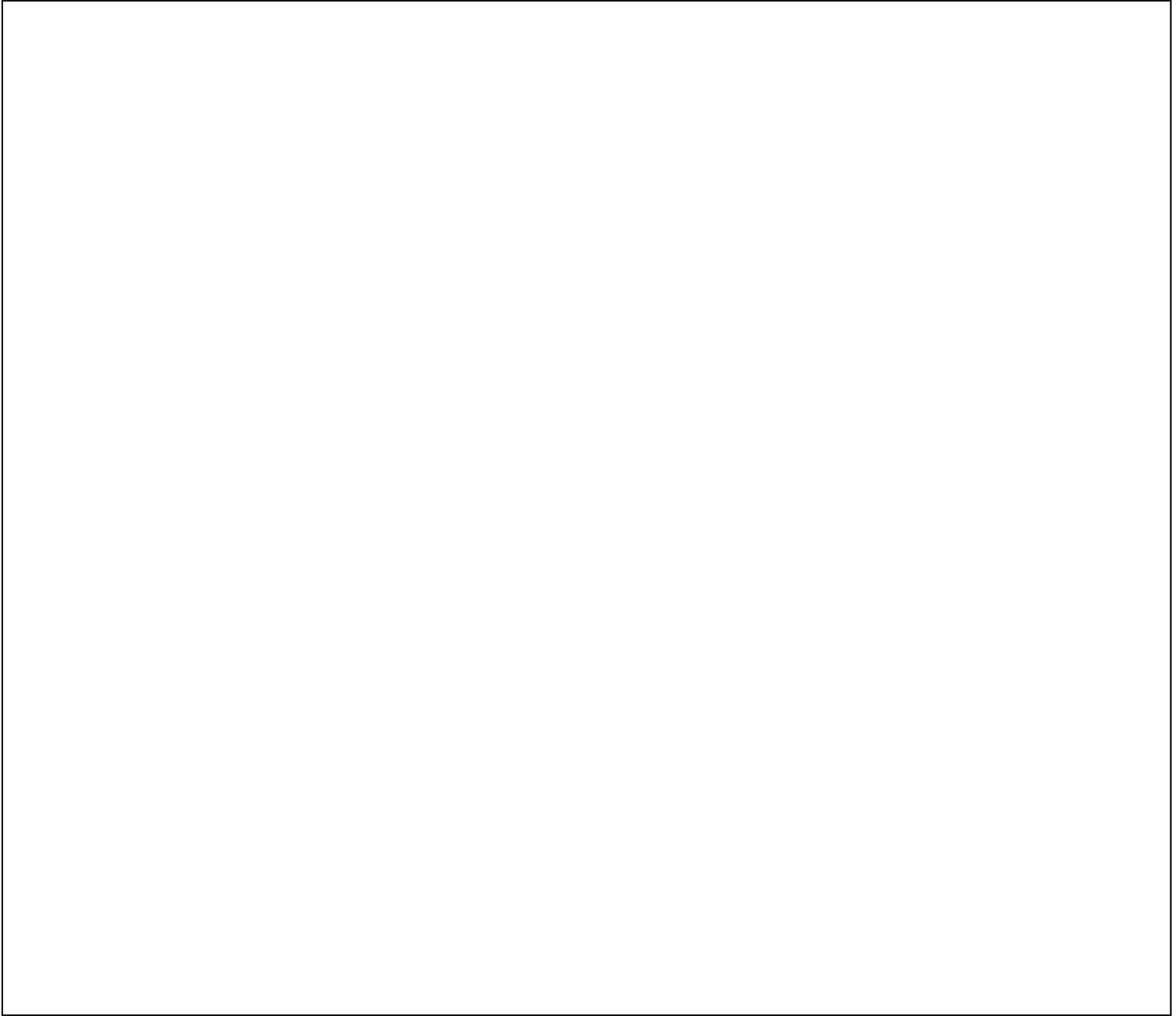
FOR OFFICE USE ONLY
DATE _____ APPROVED DENIED BY _____
REMARKS _____
C/T _____ PLAT _____ PARCEL _____

SEWAGE TREATMENT SYSTEM SITE EVALUATION

Designer: _____

List any construction issues: _____

SEWAGE TREATMENT SYSTEM SITE MAP



MAPPING CHECKLIST:

- | | | |
|---|--|---|
| <input type="checkbox"/> Dimensions of lot | <input type="checkbox"/> North directional arrow | <input type="checkbox"/> Property line setbacks |
| <input type="checkbox"/> Location of all existing structures and setbacks | | <input type="checkbox"/> Unsuitable areas |
| <input type="checkbox"/> Location of easements and utilities including phone, electric, natural gas and roads | | |
| <input type="checkbox"/> Site #1 | <input type="checkbox"/> Site #2 | <input type="checkbox"/> Soil observation locations |
| <input type="checkbox"/> Existing system(s) | <input type="checkbox"/> Pumping access | <input type="checkbox"/> Slope % and direction |
| <input type="checkbox"/> Non-community transient supply well if within 200 feet | | <input type="checkbox"/> Water supply wells if within 100 feet |
| <input type="checkbox"/> Setback from OHWL of streams, rivers and lakes | | <input type="checkbox"/> Setback from floodway and flood fringe |



Client/ Address:		Legal Description/ GPS:							
Soil parent material(s): (Check all that apply) <input type="checkbox"/> Outwash <input type="checkbox"/> Lacustrine <input type="checkbox"/> Loess <input type="checkbox"/> Till <input type="checkbox"/> Alluvium <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic Matter									
Landscape Position: (check one) <input type="checkbox"/> Summit <input type="checkbox"/> Shoulder <input type="checkbox"/> Back/Side Slope <input type="checkbox"/> Foot Slope <input type="checkbox"/> Toe Slope									Slope shape
Vegetation	Soil survey map units			Slope%		Elevation:			
Weather Conditions/Time of Day:						Date			
Observation #/Location:					Observation Type:				
Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	----- Structure-----		
							Shape	Grade	Consistence
Comments									
I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.									
_____ (Designer/Inspector)			_____ (Signature)			_____ (License #)		_____ (Date)	

Additional Soil Observation Logs

Project ID:



Client/ Address:			Legal Description/ GPS:						
Soil parent material(s): (Check all that apply) <input type="checkbox"/> Outwash <input type="checkbox"/> Lacustrine <input type="checkbox"/> Loess <input type="checkbox"/> Till <input type="checkbox"/> Alluvium <input type="checkbox"/> Bedrock <input type="checkbox"/> Organic Matter									
Landscape Position: (check one) <input type="checkbox"/> Summit <input type="checkbox"/> Shoulder <input type="checkbox"/> Back/Side Slope <input type="checkbox"/> Foot Slope <input type="checkbox"/> Toe Slope								Slope shape	
Vegetation	Soil survey map units		Slope%		Elevation:				
Weather Conditions/Time of Day:				Date					
Observation #/Location:				Observation Type:					
Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	I----- Structure-----I		
							Shape	Grade	Consistence
Comments									

Observation #/Location:				Observation Type:					
Depth (in)	Texture	Rock Frag. %	Matrix Color(s)	Mottle Color(s)	Redox Kind(s)	Indicator(s)	I----- Structure-----I		
							Shape	Grade	Consistence
Comments									