Renewal of P#30178 / OP# 105

ZONING PERMIT APPLICATION

RPC

FULL NAME LeTigre Townhomes Assn. PHONE # 952-835-4402

MAIL ADDRESS 4901 - West 77th St. Ste 125

CITY Edina STATE MN ZIP 55435

911 ADDRESS OF PROPERTY _____

CITY _____ STATE _____ ZIP _____

TOWNSHIP La Kesida

LEGAL DESCRIPTION Lot 37 LeTigre Townhomes

SECTION _____ TOWNSHIP _____ RANGE _____ Assoun's

(circle) (RESIDENTIAL) COMMERCIAL ACCESSORY NEW BUILDING ALTERATION

BUILDING CONTRACTOR AND LICENSE NUMBER: _____

SIZE OF ALL BUILDINGS COVERED BY THIS APPLICATION 36+1 Townhomes Lots - LeTigre Resort Townhomes.

COMMENTS: Developer - LeTigre Resort Investments, Ltd.
Sewer - Greg Westerlund
Renew # 30178

DESIGNER: _____

DATA FOR SEWER CONSTRUCTION: INSTALLER _____ #BEDROOMS/GPD _____

OFFICE USE ONLY

DATE 3-11-05 (APPROVE) / DENY

PERMIT# 32600

PARCEL# 16-1-117900
16-1-120201

RECEIPT# 0389

CONFORMING SEPTIC

YES P# NO (NEW)

The undersigned hereby makes application for permit to construct as herein specified, agreeing to do all such work in strict accordance with the Ordinances of the County of Aitkin, Minnesota; Minnesota Individual Sewage Disposal Code Minimum Standards set forth by Minnesota Department of Health; and Shoreland Management Standards set forth by Minnesota Department of Natural Resources. Applicant agrees that plot plan, sketches and specifications submitted herewith and which are approved by the Zoning Official, shall become a part of the permit. **APPLICANT FURTHER AGREES THAT NO PART OF THE SEWAGE SYSTEM SHALL BE COVERED UNTIL IT HAS BEEN INSPECTED AND ACCEPTED.** It shall be the responsibility of the applicant for the permit to notify the Zoning Office (at least 24 hours in advance) that the Septic System is ready for inspection.

X _____
SIGNATURE APPLICANT/AGENT

DO NOT WRITE BELOW THIS LINE

ZONING DISTRICT & FLOOD PLAIN

ZONING DISTRICT Shoreland

LAKE/STREAM/RIVER NAME Mille Lacs Lake

LAKE/RIVER ID NUMBER 48-0002

LAKE/RIVER/STREAM CLASSIF. GD

PARCEL LOCATED IN FLOOD PLAIN? Y___ N X

10/100-YR. FLOOD ELEVATION _____

LOWEST FLOOR ELEVATION _____

ELEV. CERTIFICATE REQUIRED Y___ N X
BEFORE CONSTRUCTION Y___ N X
AFTER CONSTRUCTION Y___ N X

STRUCTURE SETBACK DISTANCE REQUIREMENTS
(Measure from eaves or overhang)

OHW TO LAKE/RIVER/STREAM 75 + 50% 113'

PROPERTY LINE SETBACK (10-ft. / 20-ft.) 10'

SETBACK TO ROAD R-O-W (30-ft. Twp. / 50-ft. Co., State, Fed.)

SETBACK TO BLUFF (30-ft.) _____

SEPTIC SYSTEM SETBACK DISTANCES

SETBACK TO STRUCTURES (10-ft. Tank / 20-ft. Drainfield) 75

OHW TO LAKE/RIVER _____

PROPERTY LINE SETBACK (10-ft.) _____

SETBACK TO ROAD R-O-W (10-ft.) _____

****ATTACH COPY OF ELEVATION CERTIFICATES****

SOIL BORINGS _____ SEPTIC DESIGN Mound "Other" GARBAGE DISP/HOT TUB

SSF _____ DEPTH TO RESTRICTING LAYER 2.5' YES_____ NO X

MIN. SIZE SEPTIC TANK _____ MIN. SIZE PUMP TANK _____

DRAINFIELD: MINIMUM SQ.FT _____ WITH _____ INCHES ROCK BELOW PIPE

MOUND: MINIMUM ROCK BED SQ.FT 3,235 WITH 9 INCHES ROCK BELOW PIPE

MIN. UPSLOPE SAND WIDTH 12 MIN. DOWNSLOPE SAND WIDTH 13 END SAND WIDTHS 12

RECOMMENDATIONS: _____

EXPIRES IN ONE YEAR • ***Aitkin County Zoning***
Courthouse – 209 2nd St. NW. Room 118 • Aitkin, Minnesota 56431
Telephone 218/927-7342

$ 500 FEE | RPC RECEIVED BY | 3-11-05 DATE

ZONING PERMIT APPLICATION

16-1-120201

OFFICE USE ONLY

DATE 3/31/03 APPROVE / DENY

PERMIT# 30178

PARCEL# 16-1-054300

RECEIPT# 7997

CONFORMING SEPTIC

YES P# NO NEW

FULL NAME North woods Const. TELE # (507) 281-2961

BIRTHDATE & DL # 11/12/54

MAIL ADDRESS 7936 50th Ave N.W. ~~Oronoco~~ Oronoco MN 55960

911 ADDRESS 33176 170th LANE ISLE, MN. 56342

TOWNSHIP LAKESIDE

LEGAL DESCRIPTION S 176.4' of Lot 2

SECTION 29 TOWNSHIP 44 RANGE 25

(circle) RESIDENTIAL COMMERCIAL ACCESSORY NEW BUILDING ALTERATION

BUILDING CONTRACTOR AND LICENSE NUMBER:

SIZE OF ALL BUILDINGS COVERED BY THIS APPLICATION OP-105

Mound
Septic System

COMMENTS: 3,900 gal/day
Monitoring (Type II water use)

DATA FOR SEWER CONSTRUCTION: INSTALLER Westerlund Const. #BEDROOMS/GPD 18/3,900

DO NOT WRITE BELOW THIS LINE

ZONING DISTRICT & FLOOD PLAIN

ZONING DISTRICT

LAKE/STREAM/RIVER NAME Mille lacs lake

LAKE/RIVER ID NUMBER 48-0002

LAKE/RIVER/STREAM CLASSIF. G.D.

PARCEL LOCATED IN FLOOD PLAIN? Y___ N X

10/100 YR FLOOD ELEVATION

LOWEST FLOOR ELEVATION

ELEV. CERTIFICATE REQUIRED Y___ N___

BEFORE CONSTRUCTION Y___ N___

AFTER CONSTRUCTION Y___ N___

STRUCTURE SETBACK DISTANCE REQUIREMENTS
(Measure from eaves or overhang)

OHW TO LAKE/RIVER/STREAM

PROPERTY LINE SETBACK

SETBACK TO ROAD R-O-W

SETBACK TO BLUFF

SEPTIC SYSTEM SETBACK DISTANCES

SETBACK TO STRUCTURES 10 Tank, 20 D.F.

OHW TO LAKE/RIVER 75'

PROPERTY LINE SETBACK 10'

SETBACK TO ROAD R-O-W 10'

****ATTACH COPY OF ELEVATION CERTIFICATES****

SOIL BORINGS

SEPTIC DESIGN Mound

GARBAGE DISP/HOT TUB YES___ NO X

PERK RATES

DEPTH TO RESTRICTING LAYER 2.5'

MIN.SIZE SEPTIC TANK

MIN.SIZE PUMP TANK 1,000

DRAINFIELD: MINIMUM SQ.FT WITH INCHES ROCK BELOW PIPE

MOUND: MINIMUM ROCK BED SQ.FT 3,237 WITH 9 INCHES ROCK BELOW PIPE

MIN.UPSLOPE SAND WIDTH 12 MIN.DOWNSLOPE SAND WIDTH 13 END SAND WIDTHS 12

RECOMMENDATIONS:

X [signature] SIGNATURE APPLICANT/AGENT

($475 + $25) $500.00 FEE

RPC RECEIVED BY

03/28/03 DATE

EXPIRES IN ONE YEAR

Aitkin County Zoning, Courthouse — AITKIN, MINNESOTA 56431 — Telephone 218/927-7342

WHITE - County PINK - Applicant

Ver. 9/02

AITKIN COUNTY ENVIRONMENTAL SERVICES

APPLICATION for an OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL

PERMITTEE Northwoods Const LLC **PARCEL NUMBER** _____

ADDRESS _____

LEGAL DESCRIPTION _____

TELEPHONE # 507-28+-2961 **GIS LOCATION** _____

A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM: (Attach ISTS site evaluation and design; estimated cost of system construction, operation, monitoring, service, component replacement, and management; anticipated system life, hydraulic and organic loading rates)

Standard mound system designed for Type 2 Dwellings, $32,000 to construct, $100 for monitoring, anticipated life 20 yrs

B. MONITORING PLAN AND REPORTING FREQUENCY:

PARAMETER	COMPLIANCE LIMIT	SAMPLE LOCATION	SAMPLE FREQUENCY	SAMPLE TYPE	REPORTING FREQUENCY
FLOW	3900/day	Watermeter	Monthly	read	Yearly
5-DAY BOD					
TOTAL NITROGEN					
TOTAL PHOSPHORUS					
TSS					
FATS,OILS AND GREASE					
FECAL COLIFORM					
SEPARATION DISTANCE					

Greg Westerlund will perform the monitoring of this septic system.

C. MAINTENANCE PLANS

PARAMETER	LOCATION	FREQUENCY
Water meter	Dwelling	monthly

D. MITIGATION PLAN:

Alt Area Set aside North of mound in pine trees

I hereby certify with my signature as the designer, that all data for the operating permit application is true and correct to the best of my knowledge. I agree to indemnify and hold Aitkin County harmless from loses, damages, costs and charges that may be incurred by the County because of the information submitted with this application.

Greg Westerlund 663 3 03

Signature **License Number** **Date**

Greg Westerlund 25148 Hwy 47 320 684 2460

Name (please print) **Address** **Telephone #**

c:operatpermit.doc

MAINTENANCE SERVICE, MONITORING AND INSPECTION CONTRACT
FOR INDIVIDUAL SEWAGE TREATMENT SYSTEM

It is hereby agreed this ____ day of March, 03 by and between Greg Westerlund (Inspector) and _____(client)

(Client) Name & Address
~~ADK~~ LETIGRE RESORT INC. (Jim McWilliams)

Street Address 7936 50th AVE NW.

City, State, Zip ORONOCO, MN. 55960

That in consideration of the payments provided herein, the Inspector shall provide services to perform Preventative Maintenance, Monitoring and Inspection of the Individual Sewage Treatment System (ISTS) located at the property described in the Aitkin County Operating Permit.

Each inspection includes an examination of the ISTS followed by a written report to the client. This inspection report shall contain recommendations for operation and maintenance for failure-preventative measures, if any are deemed appropriate by the inspector and a list of recommended corrective measures or replacement parts. The Inspector is authorized to submit a copy of the report to the Aitkin County Environmental Services Department.

This contract does not assume any responsibilities or obligations, which are normally the responsibilities of the Client, as related to parts or labor and does not extend to cover any costs that may be associated with any recommendations made under this contract.

The Inspector can only contract or subcontract for parts or labor after authorization. Billings for service calls shall be made on a case by case basis. This contract only covers maintenance, monitoring and inspection services per current Aitkin County Operating Permit and does not cover alarm calls of any kind.

The Inspector shall be provided access to the site and the system in order to perform the following services:

SEPTIC TANK AND LIFT STATIONS INSPECTION

(check the boxes needed to fill the requirements of the Operating Permit)

__X__ Check septic tank and compartments for solids buildup and general appearance. If necessary, have tanks pumped (cost of pumping is the responsibility of the client).

____ Check effluent filter for buildup and clean, if applicable.

_X_ Check pumping system, including control panel and floats.

____ Record and date the readings of the elapsed time meter and cycle counter(s), if applicable.

____ Check dosing settings (in the control panel, if applicable).

____ Other: _____

_____

**If the septic tank or lift stations need pumping to be in compliance with the operating permit the cost of the pumping is the responsibility of the Client.

TREATMENT DEVICE

____ Inspect pretreatment unit (aerobic tank, sand filter, etc.) per manufacturer's recommendations, if applicable.

____ Inspect and clean any parts per manufacturer's recommendations.

____ Inspect and clean laterals, if applicable.

____ Inspect the appearance of the wastewater inside the unit for color, turbidity and examination of odors.

____ Sample effluent per Operating Permit monitoring requirements.

(Cost of sampling and analysis is the responsibility of the Client)

____ Other: _____

_____

DISPERSAL FIELD

_X_ Inspect for visible signs of failure (surface discharge, soggy ground, wet spots, settling, etc.)

____ If liquid level monitors are installed, levels will be observed and recorded.

____ Flush filters and clean cartridges, if applicable.

____ Check field control unit solenoid operations or manual control, if applicable.

____ Other: _____

_____

In no event shall the Inspector be responsible for special or consequential damages, including but not limited to, loss of time, injury to personal property or any other consequential damages or incidental or economic loss due to equipment failure or for any other reason. This contract does not assume any responsibilities or obligations, which are normally, the responsibility of the Client or as, related to parts or labor and does not extend to cover any costs that may be associated with any recommendations made under this contract.

This contract shall be effective: Beginning ~~June~~ March, 03

and Ending ~~June~~ March, 04

Cost for Maintenance Service, Monitoring and Inspection Contract is:

$ 100 **/yr. For** 1 **years totaling $** 100

The Inspector agrees to provide inspection, monitoring and routine maintenance service only under this contract. The Client remedies for breach of this contract shall be limited to refund of any of the amounts paid in advance for service. This contract may be renewed 30 days from the ending date.

Payment for all services shall be paid to Greg Westerlund.

Client:	**Inspector:**
Sign:	Sign: Greg Westerlund
Print: Jim MCWILLIAMS	Print: Greg westerlund
Date: 3/28/03	Date: 3/ 03

c:\istsmaincontract.doc

WESTERLUND CONSTRUCTION
31410 235th Lane
AITKIN, MN 56431
320-684-2337 or 320-684-2460
Fax # 320-684-2337

Re: Lakeside Town Home Development
Date: February 18, 2003

Lakeside Town Home Development is scheduled to be constructed in two phases. Units one to sixteen will be constructed in Phase 1. Units seventeen to thirty-six will be built in Phase 2.

Units one to sixteen will consist of four, 3 bedroom type 2 dwellings. Each will use an estimated 300 gallons of water per day (GPD) per unit. The remaining twelve units will be 2 bedroom type 2 dwellings using an estimated 225 GPD per unit. This will result in a total of 3,900 gallons of water used per day.

Phase 2 will have four, 3 bedroom type 2 dwellings. Each will use an estimated 300 GPD per unit. The remaining 16 units will be 2 bedroom type 2 dwellings using an estimated 225 GPD per unit. This will result in a total of 4,800 gallons of water used per day. The total estimated flow for both phases is 8,700 gallons of water per day.

Phase 1 construction will begin in the spring of 2003. Phase 2 will be started at a later date. A design for Phase 1 has been drawn. A drawing for Phase 2 will be done when construction begins.

Four sites have been set aside for onsite sewage treatment systems. Sites 1 & 2 will be for Phase 1 and sites 3 & 4 will be for Phase 2. Although the dwellings are type 2 units, the square footage at each site was established using type one data.

Site #1:

This site is 50 feet wide by 280 feet long. The soils in this site are a sandy loam to a depth of 30 inches with mottle soil below that. A mound is designed for this site.

Site #2:

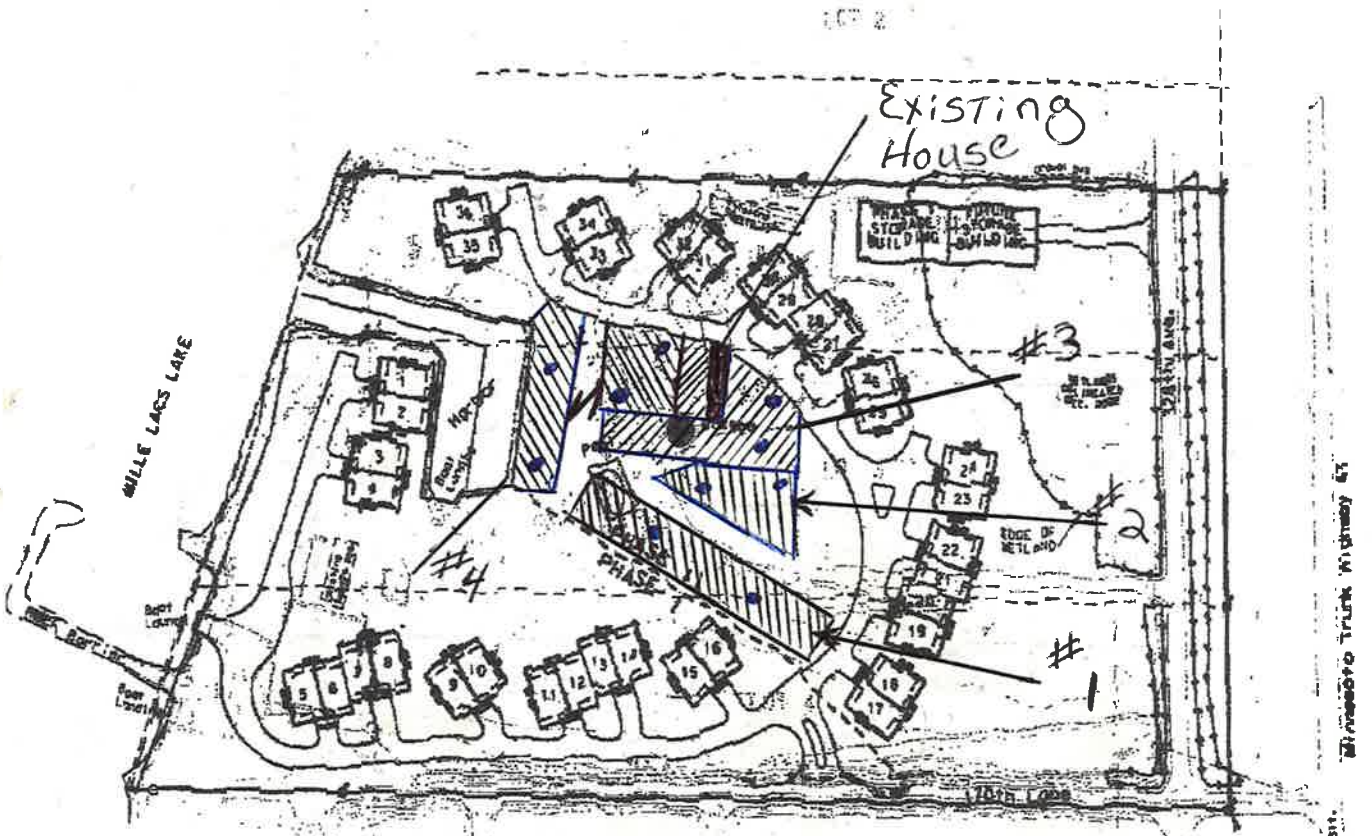
This site is a triangle shaped piece. A sandy loam soil is present for a depth of 24 inches, below that is course sand down to 60 inches, a rocky layer below that prohibited further borings.

Site #3:

This site is chosen as the primary site for Phase 2. An existing house is in this area. The house will be removed. The area of the house is not included for the square footage of the site. Soils in this site are also sandy loam to a depth of 66 inches. Shallow trenches can be installed in this area.

Site #4:

Due to an existing driveway, this site has been split into two parts. The largest area runns alongside the east bank of the harbor, to acquire the square footage needed. An area along side site 3 has been incorporated into this site. The soil alongside the harbor is sandy loam to a depth of 5 feet. Although the top 22 – 24 inches is fill soil, it has been in place long enough to regain structure and should perform like natural soil.



#1 = 14,000 sq. ft.
Primary Site for units #1-16

#2 = 11,000 sq. ft.
Alternate Site for unit's #1-16

#3 = 13,500 sq. ft.
Primary Site, unit's #17-20

#4 = 13,500 sq. ft.
Alternate Site, unit's #17-20

● = location of Soil pits

SEH INC 218 828 9777 02/11/03 02:26pm P. 002

Phase #1

FIELD EVALUATION SHEET

PRELIMINARY EVALUATION DATE 2-03, FIELD EVALUATION DATE 2-03
PROPERTY OWNER: Lakeside TownHome PHONE
ADDRESS: CITY,STATE,ZIP:
LEGAL DESCRIPTION:
PIN# SEC. T R TWP NAME Lake Side
FIRE# LAKE/RIVER Mille Lacs LAKE CLASS GD OHWL 1253.6 FT.

DESCRIPTION OF SOIL TREATMENT AREAS

	AREA #1	AREA #2
DISTURBED AREAS	YES NO ✓	YES NO ✓
COMPACTED AREAS	YES NO ✓	YES NO ✓
FLOODING	YES NO ✓	YES NO ✓
RUN ON POTENTIAL	YES NO ✓	YES NO ✓
SLOPE %	1	3
DIRECTION OF SLOPE	S.W.	N E
LANDSCAPE POSITION		
VEGETATION TYPES	lawn	wooded

REFERENCE BM ELEV. 1253.6 FT.
REFERENCE BM DESCRIPTION
OHWL
(NAVD 88 Datum)

DEPTH TO STANDING WATER OR MOTTLED SOIL: BORING# 1 31", 1A ✓, 2 29", 2A ✓

BOTTOM ELEVATION--FIRST TRENCH OR BOTTOM OF ROCK BED: #1 1263 FT., #2 FT.

SOIL SIZING FACTOR: SITE # 1 ~~1263~~ 1.27, SITE #2 1.27

CONSTRUCTION RELATED ISSUES

LIC# 663 SITE EVALUATOR SIGNATURE Greg Westerlund

SITE EVALUATOR NAME Greg Westerlund TELEPHONE# 320 684 2460

LUG REVIEW DATE

Comments:

SOIL BORING LOGS ON REVERSE SIDE

SOILS CHARTS FOR BOTH PROPOSED AND ALTERNATE SITES

1 (PROPOSED) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
4	Sand loam	10YR 3/1
10	Sand loam	10YR 4/6
30	Sand loam	10YR 4/4
31	muck	10YR 2/2

2 (PROPOSED) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
4	Sand loam	10YR 3/1
10	Sand loam	to 7.5YR 4/4
16	Ancient Burn	10YR 2/2
28	Sand loam	10YR 4/6
29	Sand loam	10YR 4/4

1 (ALTERNATE) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
6	Sand loam	10YR 3/1
24	Sand loam	10YR 4/6
60	Course Sand	10YR 4/4
61	Rocks	

2 (ALTERNATE) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
6	Sand loam	10YR 3/1
23	Sand loam	10YR 4/6
60	Course Sand	10YR 4/4
61	Rocks (Slight mottles)	

ADDITIONAL SOIL BORINGS MAY BE REQUIRED

MOUND DESIGN SHEET

PERTY OWNER Lakeside Townhome TOWNSHIP lakeside FIRE# _____

MIT# _____ PIN# _____ DATE _____

GNER NAME Greg Westerlund LICENSE # 663

GNER SIGNATURE: Greg Westerlund DATE 2-03

WATER USE APPLIANCES (CHECK ALL THAT APPLY)

HES WASHER ___ WATER SOFTNER ___ DISHWASHER ___ WHIRLPOOL ___ HUMIDIFIER ___

ER OF BEDROOMS ___ TYPE: 2 GARBAGE DISPOSAL: YES ___ NO X AIR TEST YES ___ NO ✓

: DEEP (50'+) ___ SHALLOW ___ SETBACKS: TANK ___ DRAINFIELD ___ SEWER LINE ___

FLOW

STIMATED 3,900 GPD OR MEASURED GPD _____

EPTIC TANK VOLUME _____ GALLONS

INIMUM PUMP TANK VOLUME 1,000 GALLONS

ALARM TYPE Duplex Box (Electric)

SOILS

EPTH TO RESTRICTING LAYER 2.5 FEET

EPTH OF SAND ON UPSLOPE EDGE 1 FEET

OIL TEXTURE Sand loam

ERCOLATION RATE _____ MPI

OIL SIZING FACTOR 1.27 SQ FT/GPD

ND SLOPE 1 %

ROCK LAYER DIMENSIONS

) x 0.83= 3237 =SQ FT

ELECT ROCK LAYER WIDTH 10 FT.

ENGTH OF ROCK BED= (J) ÷ (K)= 324 FT.

ROCK VOLUME

MULTIPLY ROCK AREA BY ROCK DEPTH= (J) x 1 FT=

3237 FT x 1 FT= 3237 CU. FT.

DIVIDE (M) BY 27= CU YD.= ___ CU FT ÷ 27= 120 CU YD.

MULTIPLY(N) 120 x 1.4= 168 TONS OF ROCK

ABSORBTION WIDTH

FOR TEXTURE, PERC. RATE, OR SOIL SIZING FACTOR

F) (G) OR (H) ABOVE, SELECT ABSORBTION WIDTH

TIO FROM TABLE 3 1.52

MULTIPLY ABSORBTION WIDTH RATIO (P) BY ROCK

YER WIDTH (K)= 10 x 1.52 = 15.2 FT.

SORBTION WIDTH

G APPROVAL: _____

TE: _____

TABLE 1

EST SEWAGE FLOW IN GALLONS/ DAY (GPD)

NUMBER OF BEDROOMS	TYPE I	TYPE II	TYPE III
2	300	225	150
3	450	300	210
4	600	375	255
5	750	450	294
6	900	525	332
7	1050	600	370
8	1200	675	400

TABLE 2

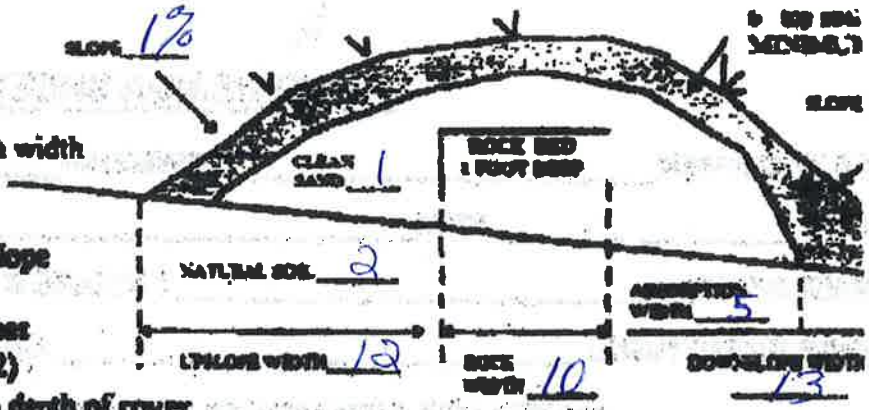
NUMBER OF BEDROOMS	MINIMUM TANK CAPACITY GALLONS	MINIMUM CAPACITY GARBAGE DISPOSAL
2 OR LESS	1000	1000
3 OR 4	1000	1500
5 OR 6	1500	2250
7 OR 8	2000	3000
OVER 8	SEE FIG C-8	(x 1.5) ___

TABLE 3

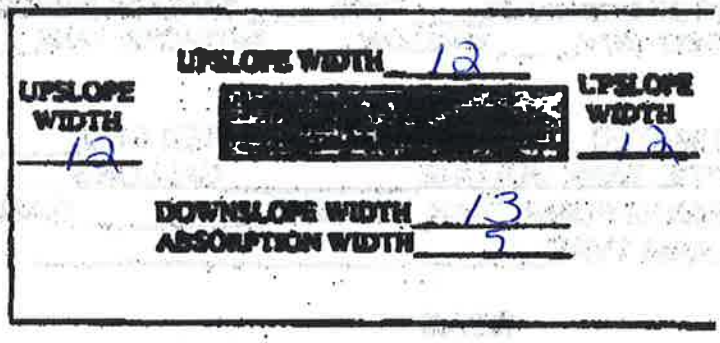
PERC RATE P1	SOIL TEXTURE	SQFT GALLONS /DAY	GALLONS /DAY /SQFT.	ABSORPTION WIDTH RATIO
< THAN 0.1	COARSE SAND	—	—	1.50
0.1 TO 5	SAND	0.85	1.20	1.50
0.1 TO 5	FINE SAND	1.07	0.85	2.00
5 TO 15	SANDY LOAM	1.27	0.75	1.50
5 TO 30	LOAM	1.67	0.60	2.00
31 TO 45	SILT LOAM	2.00	0.60	2.40
45 TO 60	CLAY LOAM	2.20	0.45	2.67
> THAN 60	CLAY	—	(0.34)	3.00
> THAN 120	CLAY	—	—	6.00

COMMENTS: _____

MINIMUM MOUND SIZE



1. Subtract rock layer width from absorption width to obtain minimum downslope berm toe
15.2 ft - 10 ft = 5.2 feet
2. Determine depth of clean sand fill at upslope edge of rock layer:
Separation 3' - 2 ft = 1 feet
3. Add depth of clean sand for separation (2) at upslope edge, depth of rock layer (1 ft) to depth of cover (1 ft) to find the mound height at upslope edge of rock layer:
1 ft + 1 ft + 1 ft = 3 feet
4. Enter table with landslope and upslope berm ratio.
Select berm multiplier 3.85
5. Multiply berm multiplier by upslope mound height to find upslope berm width:
3 x 3.85 = 11.55 feet
6. Multiply rock layer width (K) by landslope (L) to determine drop in elevation:
10 x 1 % 100 = .1 feet
7. Add depth of clean sand for slope difference (6) at downslope edge to the mound height at the upslope edge of rock layer (3) to find the downslope height:
3 ft + .1 ft = 3.1 feet
8. Enter table with landslope and downslope berm ratio.
Select berm multiplier of 4.17
9. Multiply berm multiplier by downslope mound height to get downslope berm width:
3.1 x 4.17 = 12.927 feet
10. Compare the values of Step (1) 5.2 and Step(9) 12.927. Select the greater of the two values as the downslope berm width: 12.927 feet
11. Total mound width is the sum of upslope berm (5): width plus rock layer width (K) plus downslope berm width (9):
12 ft + 10 ft + 4 ft + 10 ft ±13
12 Total mound length is the sum of upslope berm width (5) plus rock layer length (L) plus upslope berm width (5):
12 ft + 81 ft + 10 ft + 81 ft ±12



LAND SLOPE %	DOWNSLOPE				
	3:1	4:1	5:1	6:1	7:1
0	3.00	4.00	5.00	6.00	7.00
1	3.09	4.17	5.26	6.36	7.51
2	3.18	4.34	5.56	6.82	8.14
3	3.30	4.54	5.89	7.32	8.88
4	3.41	4.78	6.25	7.81	9.72
5	3.53	5.00	6.67	8.57	10.77
6	3.64	5.26	7.15	9.38	12.07
7	3.86	5.56	7.69	10.34	13.73
8	3.95	5.84	8.33	11.54	15.51
9	4.11	6.26	9.09	12.94	18.62
10	4.29	6.67	10.00	14.29	21.53
11	4.46	7.14	11.11	17.35	26.43
12	4.69	7.69	12.50	21.05	43.75

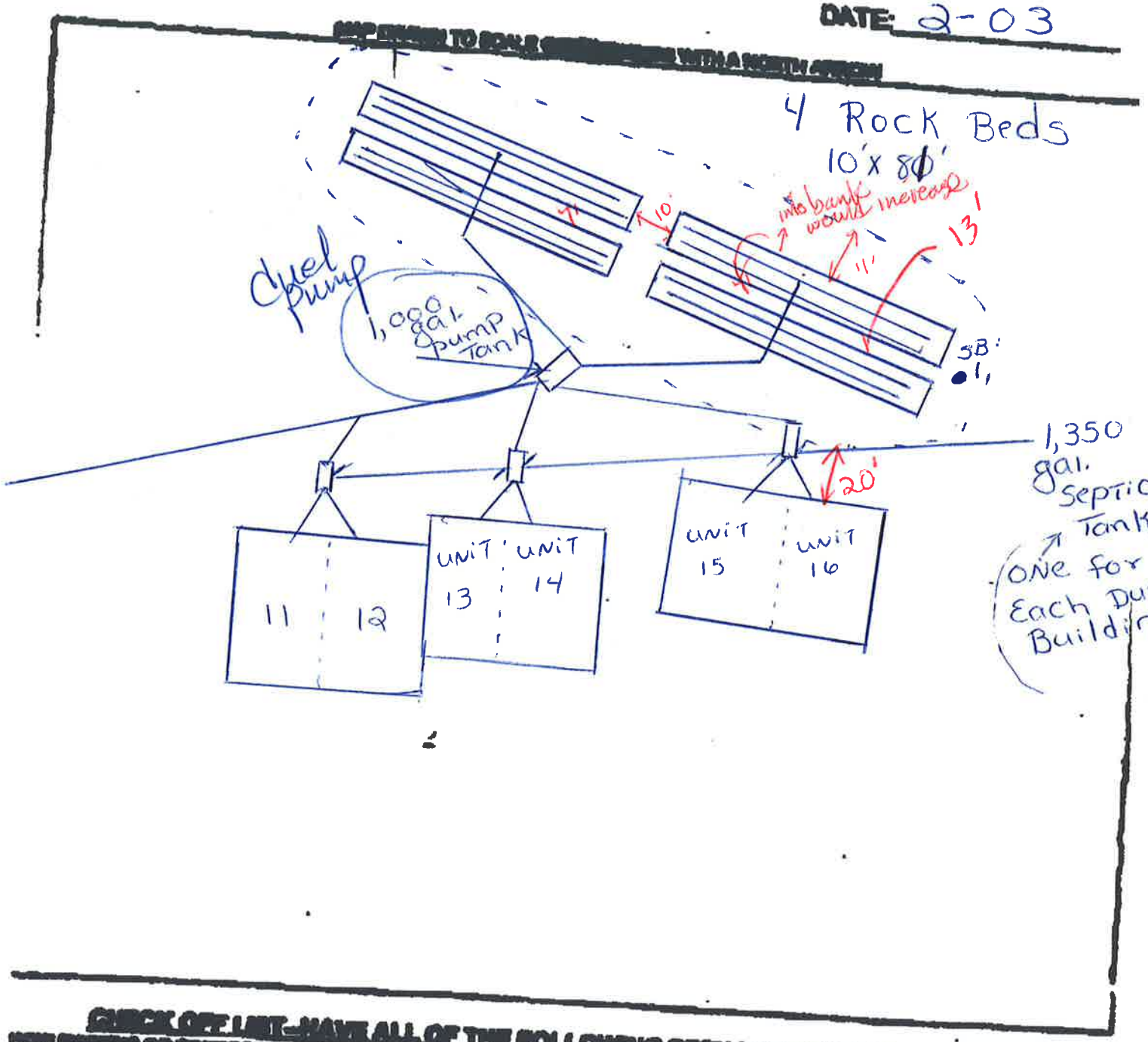
LAND SLOPE %	UPSLOPE				
	3:1	4:1	5:1	6:1	7:1
0	3.00	4.00	5.00	6.00	7.00
1	2.97	3.83	4.76	5.56	6.54
2	2.83	3.70	4.54	5.36	6.14
3	2.75	3.57	4.35	5.00	5.76
4	2.64	3.45	4.17	4.84	5.46
5	2.61	3.33	4.00	4.62	5.18
6	2.54	3.23	3.86	4.41	4.93
7	2.48	3.12	3.70	4.25	4.70
8	2.42	3.03	3.57	4.08	4.48
9	2.36	2.94	3.46	3.96	4.30
10	2.31	2.88	3.33	3.76	4.12
11	2.26	2.78	3.23	3.61	3.96
12	2.21	2.70	3.12	3.49	3.80

FINAL DIMENSIONS

49 x 196

Lakeside Town Homes

DATE: 2-03



QUICK OCC LIST—HAVE ALL OF THE FOLLOWING BEEN DRAWN ON THE MAP??

- [ ] LOT IMPROVEMENTS
- [ ] ALL SITE COMPONENTS
- [ ] ALL LOT BOUNDARIES

BENCHMARK 1253-6
ELEVATION OF SEWER LINE @ HOUSE 1258
ELEVATION @ TANK INLET 1256.5
ELEVATION @ BOTTOM OF ROCK LAYER 1263
ELEVATION @ BOTTOM OF BORING OR IMPERMEABLE LAYER 1259.5
ELEVATION OF BLM 1253
ELEVATION OF DISTRIBUTION DEVICE 1264

ENGINEER SIGNATURE: Greg Westerlund DATE 2-03

663

PUMP SELECTION PROCEDURE

A. Determine pump capacity

Gravity distribution

1. Minimum is 10 GPM
2. Maximum is 45 GPM

Pressure Distribution

3. a. Select number of perforated laterals 4
   b. Select perforation spacing = 3 ft.
   c. Subtract 2 ft from each lateral length:
   81 - 2 = 79 feet.

ROCK LAYER LENGTH

d. Determine the number of spaces between perfs:
79 / 3 = 26 spaces
(length of lateral) / (perf. spacing)

e. 26 spaces + 1 = 27 perforations per lateral

f. Multiply perforations per lateral by number of laterals to get total number of perforations:
4 x 27 = 108
(perfs/lateral) x (laterals) = (perforations)

g. 108 X .80 = 86.4 GPM
(Perforations) x (gpm/perfs)

SELECTED PUMP CAPACITY 86 GPM

B. Determine head requirements:

1. Elevation difference between pump & point of discharge: 11 feet
2. If pumping to a pressure distribution system, add 5 feet; for gravity add zero: 5 feet
3. Friction Loss
   a. Enter friction loss table with GPM and pipe diameter. Read friction loss in feet per 100 ft in table.
   F.L. = 8 ft/100 of pipe
   b. Determine total pipe length from pump to discharge point. Add 25% to pipe length for fitting loss.
   55 length x 1.25 68.75 feet.
   c. Calculate total friction loss by multiplying friction loss in 100 ft. of pipe by equivalent pipe length (B):

Total friction loss = 68.75 x 8 /100 = 5.5

4. Total head required is the sum of the elevation difference, special head requirements and total friction loss:

11 (1) + 5 (2) + 5.5 (3c) TOTAL HEAD 21.5

SELECT A PUMP TO DELIVER AT LEAST 86 GPM WITH AT LEAST 22 FEET OF TOTAL HEAD.

If laterals are connected to a header pipe in a pressure system, select the minimum size lateral diameter; enter the table with perforation spacing and the number of perforations per lateral.

Select minimum size of lateral 1½"

Perforation Discharge in GPM

Head (feet)	Perforation diameter (inches) 7/32	1/4
1.0a	0.56	0.74
1.5	0.69	0.90
2.0b	0.80	1.04

a. Use 1.0 foot single homes
b. Use 2.0 feet for anything else

FRICTION LOSS IN PLASTIC PIPE

Flow Rate GPM	1.5"	2"	3"
20	2.47	0.73	0.11
25	3.73	1.11	0.16
30	5.23	1.55	0.23
35	6.96	2.06	0.30
40	8.91	2.64	0.39
45	11.07	3.28	0.48
50	13.46	3.99	0.58
55		4.76	0.70
60		5.60	0.82
65		6.48	0.95
70		7.44	1.09

Min. No. of 1/4" perfs per lateral. (10% var)

Perforation spacing (feet)	1 1/4"	1 1/2"	2"
2.5 feet	14	18	28
3.0 feet	13	17	26
3.3 feet	12	16	25
4.0 feet	11	15	23
5.0 feet	10	14	22

Phase # 2

FIELD EVALUATION SHEET

PRELIMINARY EVALUATION DATE 2-03, FIELD EVALUATION DATE 2-03
PROPERTY OWNER: Lakeside Tow Homes PHONE
ADDRESS: CITY,STATE,ZIP:
LEGAL DESCRIPTION:
PIN# SEC. T R TWP NAME Lake Side
FIRE# LAKE/RIVER Mille lacs LAKE CLASS GD OHWL 253.6 FT.

DESCRIPTION OF SOIL TREATMENT AREAS

	AREA #1	AREA #2
DISTURBED AREAS	YES NO ✓	YES ✓ NO
COMPACTED AREAS	YES NO ✓	YES NO ✓
FLOODING	YES NO ✓	YES NO ✓
RUN ON POTENTIAL	YES NO ✓	YES NO ✓
SLOPE %	6	8
DIRECTION OF SLOPE	East	West
LANDSCAPE POSITION		
VEGETATION TYPES	Lawn	Lawn

REFERENCE BM ELEV. 253.6 FT.
REFERENCE BM DESCRIPTION
OHWL
(NAVD 88 DATum)

DEPTH TO STANDING WATER OR MOTTLED SOIL: BORING# 1 —, 1A —, 2 —, 2A 62"

BOTTOM ELEVATION--FIRST TRENCH OR BOTTOM OF ROCK BED: #1 FT., #2 FT.

SOIL SIZING FACTOR: SITE # 1 1.27, SITE #2 1.27

CONSTRUCTION RELATED ISSUES

LIC# 663 SITE EVALUATOR SIGNATURE Greg Westerlund

SITE EVALUATOR NAME Greg Westerlund TELEPHONE# 320 684 2460

LUG REVIEW DATE

Comments:

SOIL BORING LOGS ON REVERSE SIDE

1B SOILS CHARTS FOR BOTH PROPOSED AND ALTERNATE SITES

1 (PROPOSED) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
4	Sand loam	10YR 3/1
22	Sand loam	10 YR 4/6
32	Sand loam	10 YR 4/8
60	Sand loam	10 YR 4/4

2B 2 (PROPOSED) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
4	Sand loam	10YR 3/1
24	Sand loam	10 YR 4/6
26	Sand loam	10 YR 5/4
28	Sand loam	10YR 4/6
36	Sand loam	10YR 5/4
66	Sand loam	10 YR 4/4

1C (ALTERNATE) SOILS DATA

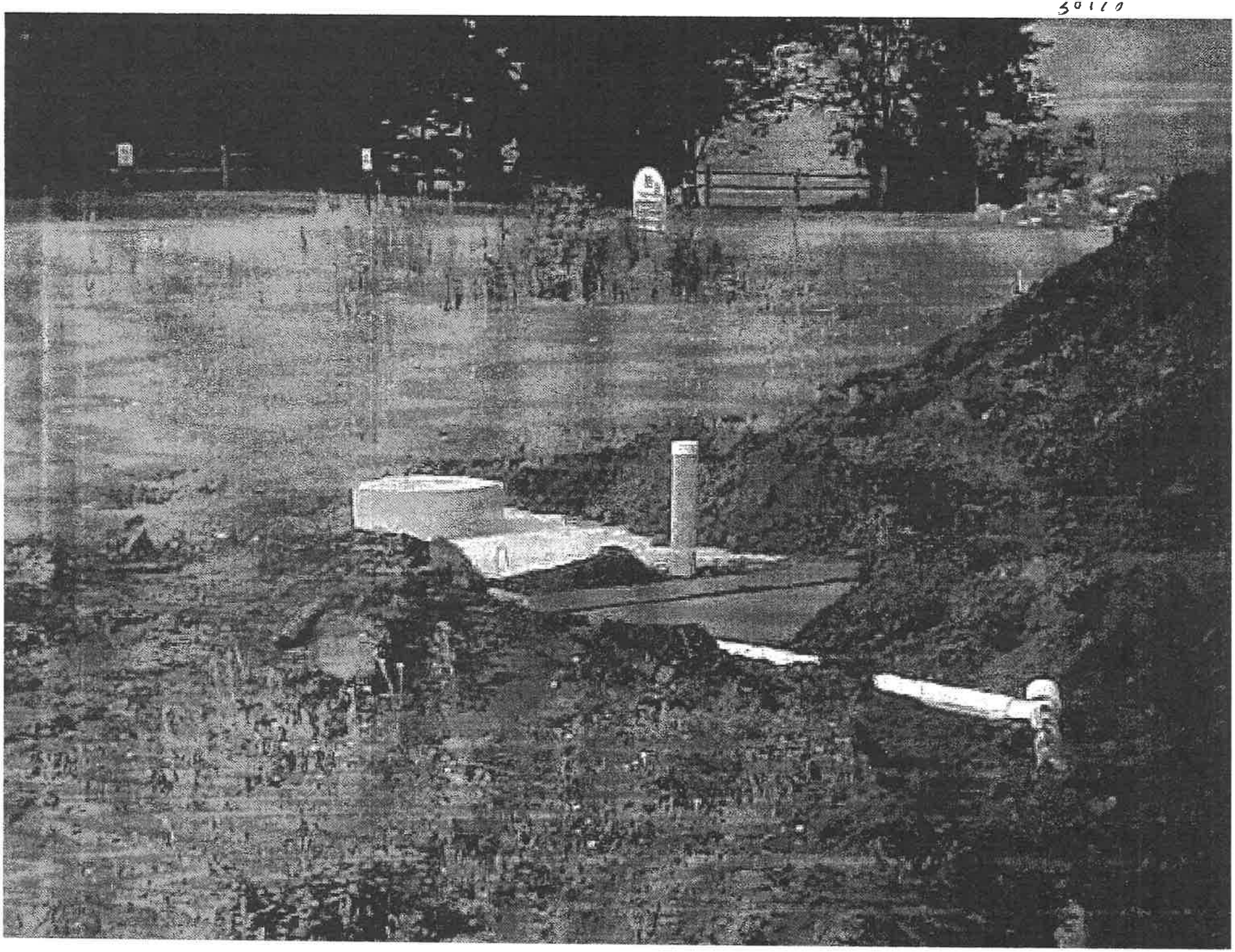
DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
5	~~10YR~~ Sand loam	10YR 3/1
23	Sand loam	10 YR 4/4
25	Sand loam	10 YR 3/1
50	Sand loam	10 YR 4/6
60	Sand loam	10 YR 4/4

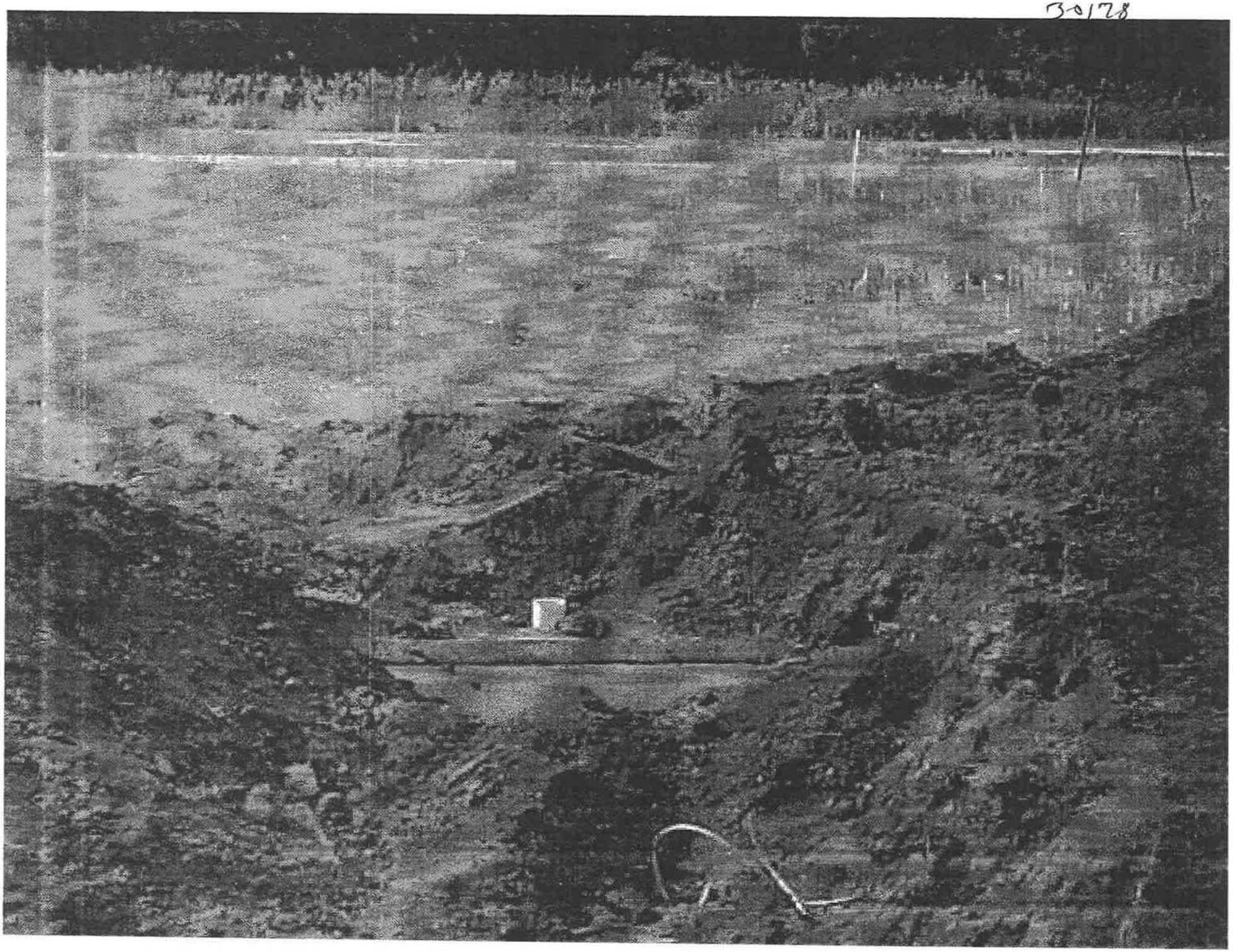
P.E5

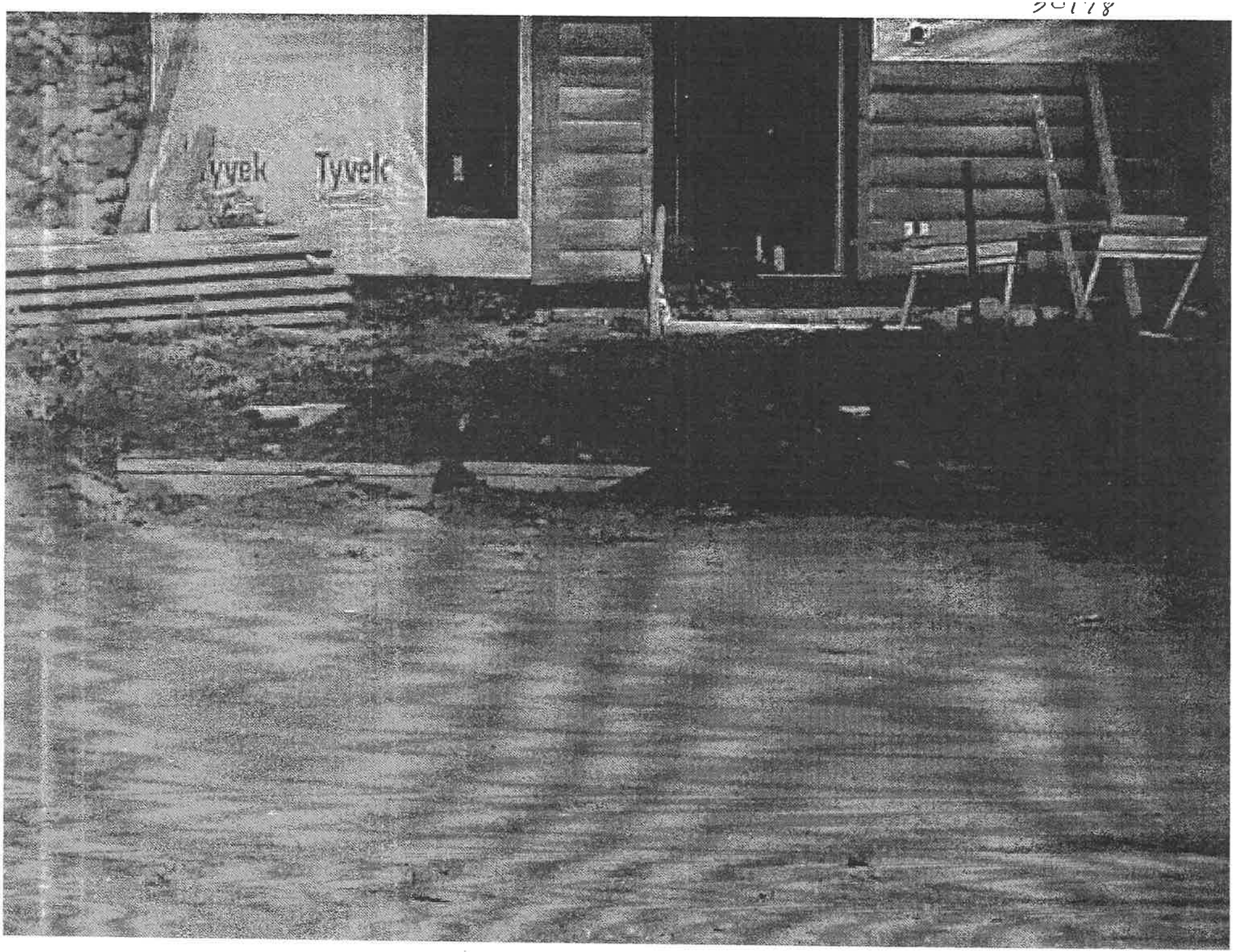
2C 2 (ALTERNATE) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
4	Sand loam	10 YR 3/1
30	Sand loam	10 YR 4/6
60	Sand loam	10 YR 4/4

ADDITIONAL SOIL BORINGS MAY BE REQUIRED






Tyvek
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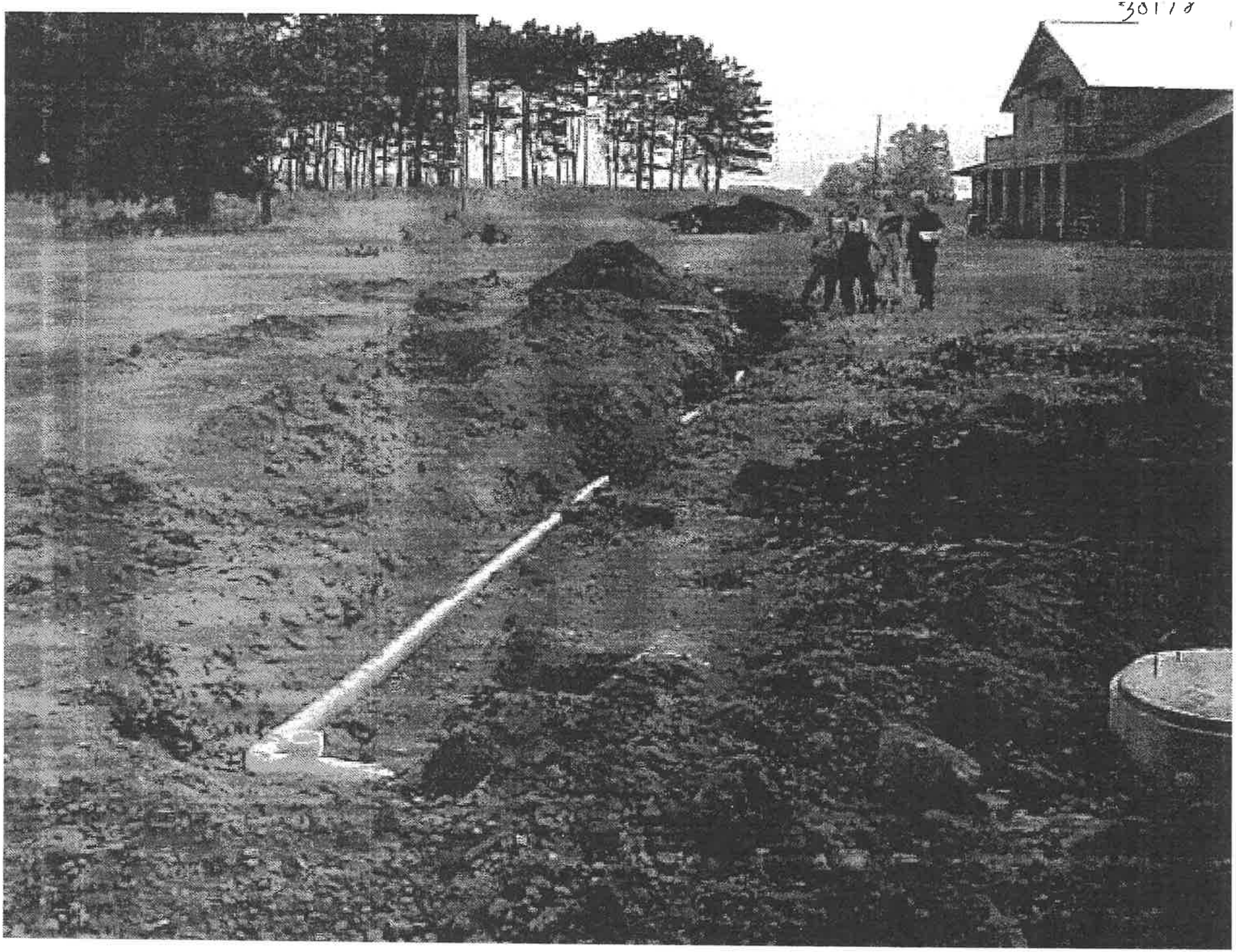

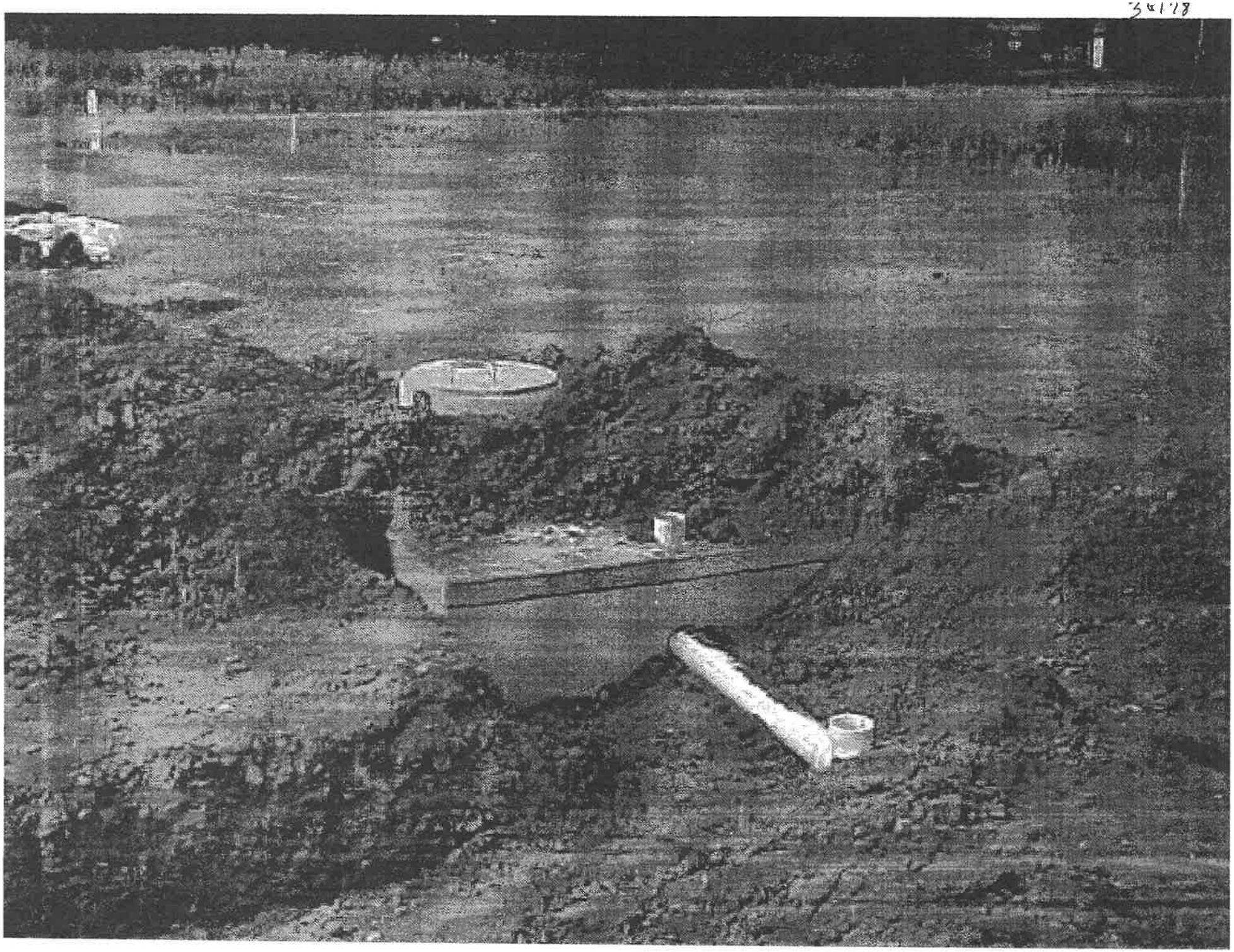

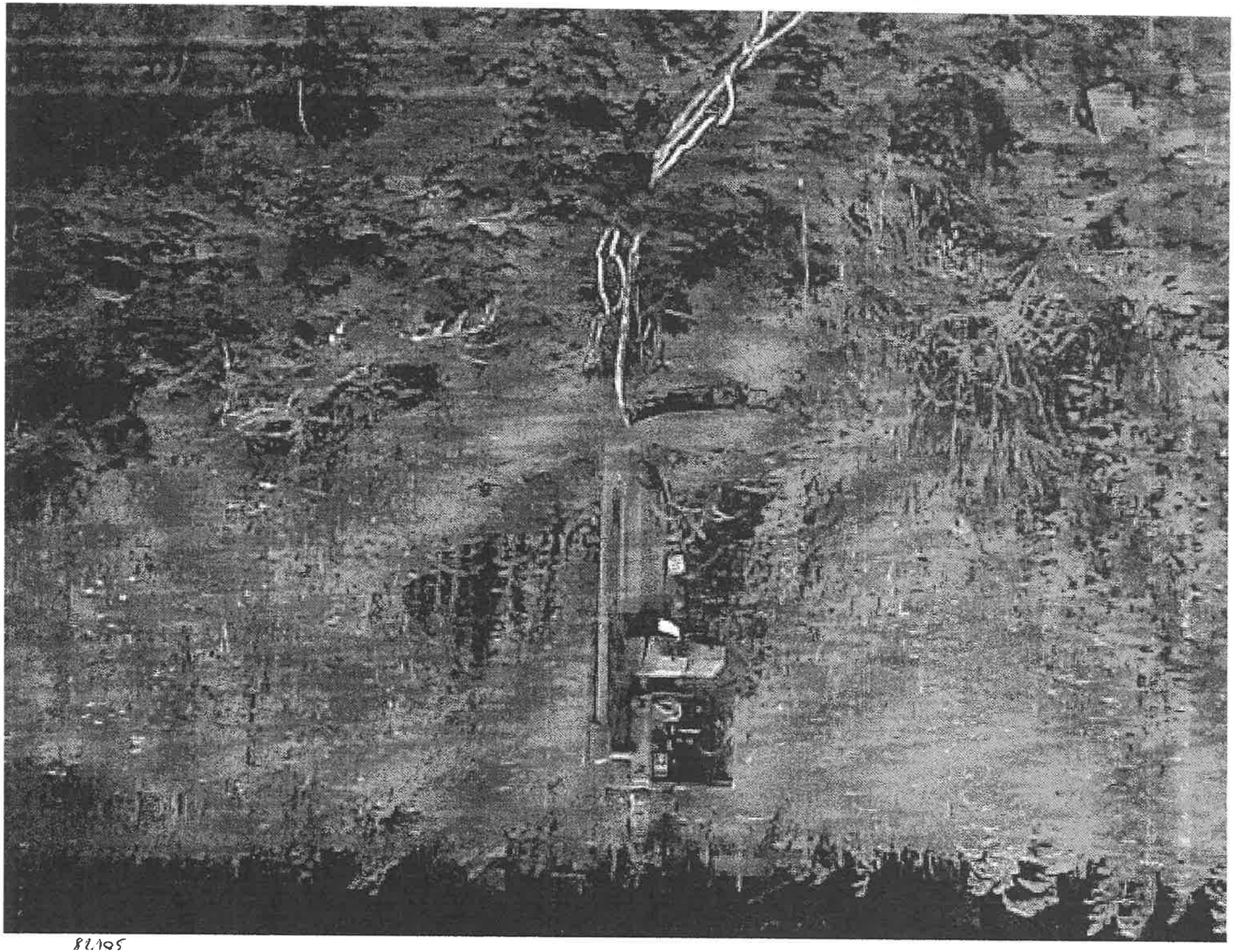

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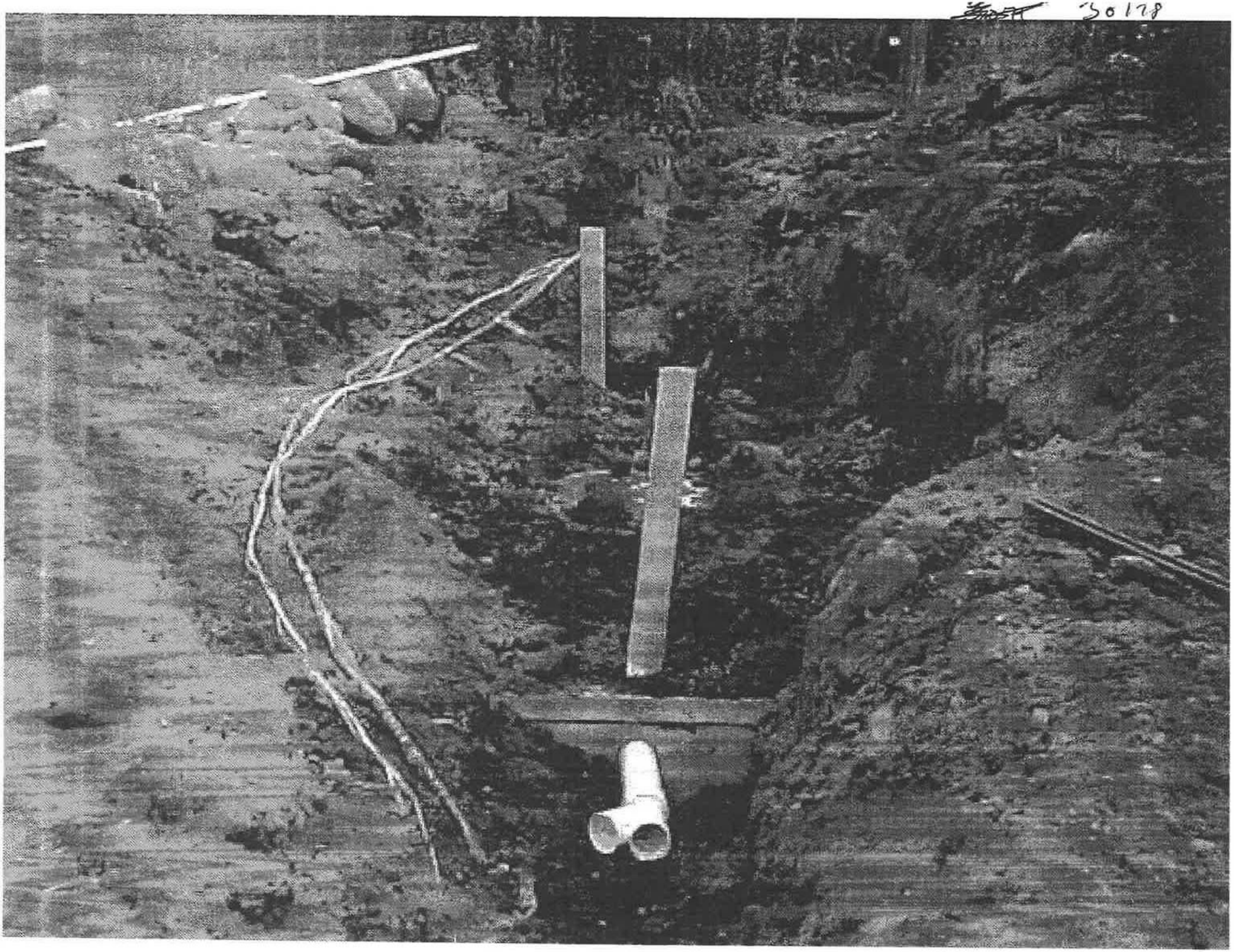
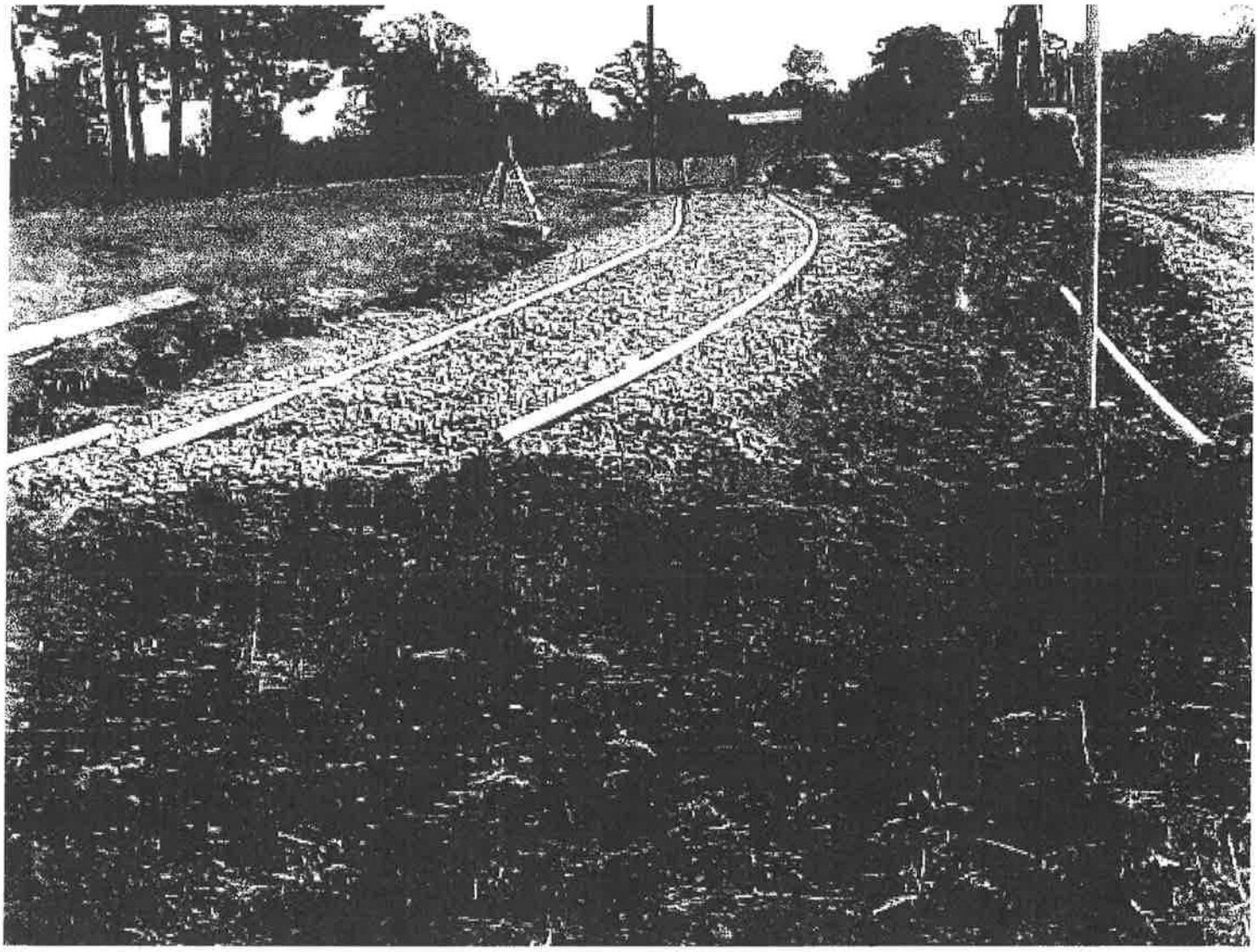


30178



30178

WESTERLUND CONSTRUCTION
31410 235th LANE
AITKIN MN 56431

December 5, 2005

TO: Aitkin County Planning & Zoning

FROM: Greg Westerlund

RE: LeTigre Resort and Investment, LTD
Parcel Identification #16-1-054300

The sewer for Phase One at this project is installed and operating. The reason this sewer is an "other" system is because the units have been sized as Type II dwellings.

A visual inspection has been done by me, Greg Westerlund (Installer/Designer). The mound shows no signs of settling, washouts or leaching of effluent and vegation has been established.

The tanks that are being used are operating properly. The duplex panel and alarm at the pump are also functioning. Although the water meter is in place, no readings are necessary because the system is sized for 3900 gallons of water per day. Only one unit is being lived in at this time and they are gone for the winter.

Greg Westerlund

Greg Westerlund, License #663

P# 30178 expired so P# 32600 renewed it.

AITKIN COUNTY
CERTIFICATE OF COMPLIANCE/NOTICE OF NONCOMPLIANCE

This certificate of compliance/notice of noncompliance has been issued this 5 day of December 2005 to certify compliance\noncompliance with Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No. 1. The premises covered by this certificate are legally described as: Lot 37; Blk 1 LeTigre

Section 29 Township 44 Range 25 Lake Mille Lacs

PERMIT NO. 30178/32600 Owner Name LeTigre Resort & Invest.

Address 4901-W 77th St #125, Edina, MN 55435

Installer Name Greg Westerlund

Type of System Inspected Mound "Other" - sized on Type II

The certificate of compliance/notice of noncompliance was based on, No 1 of the following:

1) Inspection of the installation or construction as in accordance with the above referenced permit and application design.

2) Review of as-built plans submitted in accordance with Subdivision 4.21 C. Of Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No. 1.

If the above permitted individual sewage treatment system is in noncompliance with Aitkin County's Individual Sewage Treatment System and Wastewater Ordinance No. 1, then the following shall serve as a Notice of Violation:

1) Statement of the findings of fact through inspections or investigations: _____

2) List of specific violations of Ordinance: _____

3) Requirements for correction or removal of violations: _____

4) Time schedule for compliance: _____

Failure to correct or remove the above violations will result in this matter being turned over to the Aitkin County Attorney's Office for further legal action which may result in revocation of licenses or registrations, fine's and/or imprisonment.

INSPECTOR SIGNATURE Kirk Courdemanche For Joe Fuhrer

c:\wp61\terry.dir\certform.doc

INDIVIDUAL SEWAGE TREATMENT SYSTEM INSPECTION FORM
AITKIN COUNTY, MINNESOTA

Township Lake Side | Date of Inspection 9/17/03 | Permit Number 30178

Owner NorthWoods Const. | Parcel Number 16-1-054300

Project Address S 176.4' of lot 2 | Installer Greg Westerlund

City _____ | Zip Code _____ | New ✓ | Repair _____

DIST. or DROP BOX & TYPE _____

SETBACKS:

Buildings to tank(s) 20

Buildings to drainfield 60

Well(s) 50' or 100' ~~250'~~ 200'

Lake/Creek/Wetland 200'

SEPTIC TANKS:

Liquid capacity 2- 1350

Manufacturer & type Jac pre-cast

Type of baffle plastic

Inspection pipes 2- 4" - 2-6"

Manholes access 2-

No. & height of risers 12"

TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:

Trench depth _____

Trench length _____

Trench bottom width _____

Trench bottom level _____

Trench spacing _____

Drainfield rock below pipe _____

Size of gravelless pipe _____

Depth of backfill _____

Absorption area: square feet _____

lineal feet _____

MOUNDS:

Percent slope 0

Upslope dike width 2 - into Bank

Downslope dike width 15

Sideslope dike width 10

Drainfield rock below pipe 9"

Depth of sand below rock 12"

Perforation size & spacing 7/16 - 4'

Pipe size & spacing 2" - 4 laterals

Dimensions of rock bed 2 - 10X81

Dimensions of sand base _____

Final cover _____

PUMPS:

Tank capacity 1000

Tank manufacturer & type Jac pre-cast

No. & height of risers 6'

Pump manufacturer & model# 161 Zoller

Horsepower & GPM 1 hr. 50

Feet of head 12

Cycles per day 5

Gallons per cycle 200

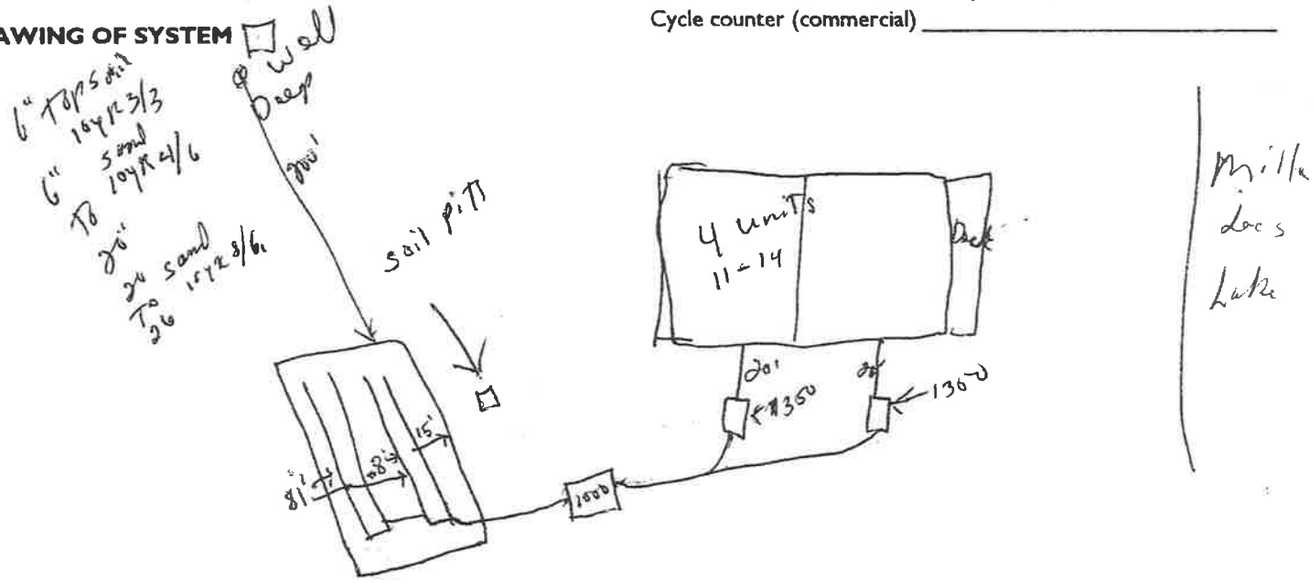
Size of discharge line 2"

Type of electrical hookup post

Type & location of alarm Duplex Box

Cycle counter (commercial) _____

DRAWING OF SYSTEM



Inspector's Comments _____

Corrective Action Required Final cover, tanks all in, Water meter in verified 12/1/05

Inspector's Signature _____ | Installer's Signature Greg Westerlund

White-County | Yellow-Applicant | Pink-Installer

INDIVIDUAL SEWAGE TREATMENT SYSTEM INSPECTION FORM
AITKIN COUNTY, MINNESOTA

Township Lakeside Date of Inspection 9/17/03 7/21/04 Permit Number 30178

Owner Northwoods Const Parcel Number 16-1-051130

Project Address S 176.4 of lot 2 Installer Greg Westerlund

City _____ Zip Code _____ New ✓ Repair _____

DIST. or DROP BOX & TYPE _____

SETBACKS:
Buildings to tank(s) 20'
Buildings to drainfield 70
Well(s) 50' or 100' 50'+
Lake/Creek/Wetland 300'

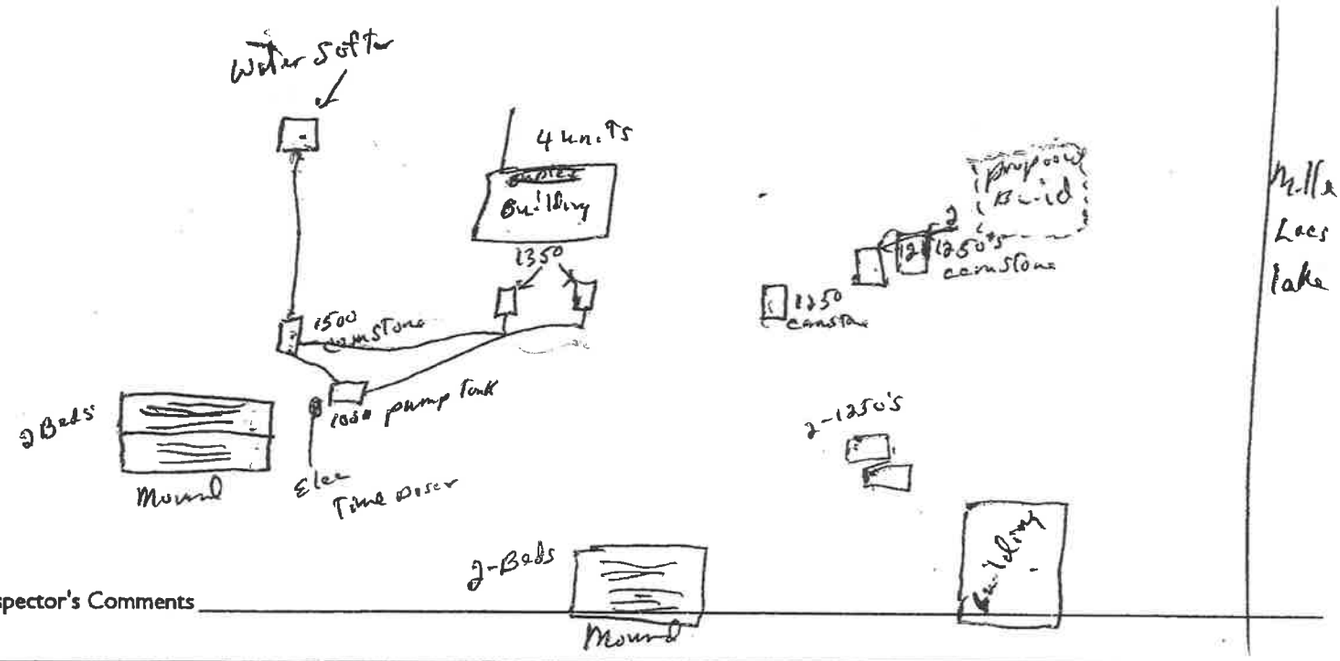
SEPTIC TANKS:
Liquid capacity 2-1350's - 5-
Manufacturer & type _____
Type of baffle _____
Inspection pipes _____
Manholes access _____
No. & height of risers _____

MOUNDS:
Percent slope _____
Upslope dike width _____
Downslope dike width _____
Sideslope dike width _____
Drainfield rock below pipe _____
Depth of sand below rock _____
Perforation size & spacing _____
Pipe size & spacing _____
Dimensions of rock bed _____
Dimensions of sand base _____
Final cover _____

TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:
Trench depth _____
Trench length _____
Trench bottom width _____
Trench bottom level _____
Trench spacing _____
Drainfield rock below pipe _____
Size of gravelless pipe _____
Depth of backfill _____
Absorption area: square feet _____
lineal feet _____

PUMPS:
Tank capacity _____
Tank manufacturer & type _____
No. & height of risers _____
Pump manufacturer & model# _____
Horsepower & GPM _____
Feet of head _____
Cycles per day _____
Gallons per cycle _____
Size of discharge line _____
Type of electrical hookup _____
Type & location of alarm _____
Cycle counter (commercial) _____

DRAWING OF SYSTEM



Inspector's Comments _____

Corrective Action Required _____

Inspector's Signature [signature] Installer's Signature Greg Westerlund

White-County Yellow-Applicant Pink-Installer

#105 2003

AITKIN COUNTY ENVIRONMENTAL SERVICES

OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL

RECEIVED APR 0 3 2003

OPERATING PERMIT #: 105 **FEE PAID:** 25

PERMITTEE: Northwoods Construction **PHONE:** (507) 281-2961

ADDRESS: 7936 5oth Ave N.W.
Oronoco, MN 55960-

ZONING PERMIT # 30178 **PARCEL #:** 16-1-054300

ISSUE DATE: 3/31/03 **RENEW DATE:** 12/31/03

LEGALDESCRIPTION: S 176.4 ft of lot 2

Aitkin County Environmental Services authorizes the Permittee to construct, install and operate a wastewater treatment and dispersal system located on the above described property in accordance with the requirements of this permit.

This permit is effective on the issuance date identified above.

This permit and the authorization to treat and disperse from the above system shall expire on the above expiration date. The Permittee is not authorized to discharge after the date of expiration. The Permittee shall submit such information and forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the expiration date. When the required information is submitted and approved by Aitkin County Environmental Services, the permit may be renewed. This permit is not transferable from owner to owner.

I hereby certify with my signature as the permittee that I understand the provisions of this permit including the maintenance and monitoring requirements. I agree to indemnify and hold Aitkin County harmless from all loss, damages, costs and charges that may be incurred by use of this system and if I fail to comply with the provisions of this Operating Permit. If I sell this property during the life of the permit, I will inform the new owner(s) of the permit requirements and the need to renew the permit.

_____ 04/03/03

Signature of Permittee **Date**

_____ _____

Signature of Permitting Authority **Date**

If You have any questions regarding this permit, including the specific permit requirements, permit reporting or permit compliance status, please contact Aitkin County Environmental Services at 218-927-7342.

A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM

Standard Mound septic, 4 - 10' by 80' rock beds must have absorbtion with separation between rock beds. 2.5 feet to restricting layer. One foot of clean washed sand to be used. Pump chamber to have dual pumps, system designed to handle water use as described in a type 2 homes. May excavate into hill to ensure that the absorbtion width exists that can handle the flow.

B. PERFORMANCE STANDARD REQUIREMENTS:

During the period beginning on the effective date (issuance date) of this permit and lasting until this permits expiration date, the Permittee is authorized to discharge from the wastewater treatment unit to subsurface dispersal. No surface discharge is permitted. The following parameters must be monitored and the results must be found within the compliance limits.

PARAMETER	COMPLIANCE LIMIT	SAMPLE LOCATION	SAMPLE FREQUENCY	SAMPLE TYPE	REPORTING FREQUENCY
Flow	3900 gpd	Water Meter	MONTHLY	Record on Log Sheet	ANNUALLY

C. MAINTENANCE REQUIREMENTS:

PARAMETER	LOCATION	FREQUENCY
Flow	Water Meter	MONTHLY
Pumps, Floats & Alarms	Septic tank(s)	ANNUAL
Surface Discharge	Dispersal System	60 days and biannual thereafter
Vegetative Cover	Dispersal System	ANNUAL

D. MONITORING AND REPORTING REQUIREMENTS:

Monitoring results obtained during each calendar year shall be submitted no later than December 31st of that year to:

Aitkin County Environmental Services
209 2nd Street NW
Aitkin, MN 56431

The monitoring reports shall be signed by the Permittee. Copies are to be retained by the Permittee.

The Permittee shall notify Aitkin County Environmental Services within thirty (30) days when monitoring results do not meet the monitoring plan requirements of this permit.

Monitoring plans may be modified as necessary and reapproved by Aitkin County Environmental Services.

Sampling and laboratory testing procedures shall be performed in accordance with Standard Methods and the testing and shall be performed by a Minnesota Department of Health approved laboratory. All sampling and testing costs shall be the responibility of the Permittee.

Monitoring will be done by Greg Westerlund

E. MITIGATION PLAN:

1) Verify water use, enlarge the system to accomidate water use for type I homes.***May need a permit from the MPCA for systems exceeding 10,000 gal/day in the PUD. 2) Rebuild system on alternate site.***May need a permit from the MPCA for systems exceeding 10,000 gal/day in the PUD.

F. SPECIAL REQUIREMENTS:

Must renew operating permit until evidence of system functioning as designed for one year during full occupancy. 5 yrs thereafter ** A WATER METER MUST BE INSTALLED BEFORE COMPLIANCE CERTIFICATE CAN BE ISSUED **

#105 2006

16-1-117900

AITKIN COUNTY
ENVIRONMENTAL SERVICES

209 SECOND STREET NW
AITKIN, MN 56431
218-927-7250

Thursday, June 15, 2006

LE TIGRE RESORT & INVESTMENTS Re:
4901 W 77TH ST #125
Edina, MN 55435-

Operating Permit #: 105
Parcel Identification #: 16-1-117900

Dear Resident:

This letter is to remind you that the Operating Permit for the septic system on the above listed parcel of land expired on May 31, 2006. The operating permit (OP) was issued as a MN Pollution Control Agency requirement to allow the installation of your septic system and must be renewed annually until the County and your Compliance Inspector agree that the system is being properly maintained and is operating appropriately. Our office will extend your deadline for another 30 days to comply. Failure to comply will result in this matter being forwarded over to the County Attorney for further assistance. As a condition of the OP, your septic system must be monitored for the following performance standards:

PARAMETER	COMPLIANCE LIMIT	SAMPLE LOCATION	SAMPLE FREQUENCY	SAMPLE TYPE	REPORTING FREQUENCY
FLOW	3900 GPD	WATER METER	MONTHLY	RECORD ON LOG SHEET	ANNUALLY

In addition, the following maintenance practices must be performed

PARAMETER	LOCATION	FREQUENCY
Flow	Water Meter	MONTHLY
Pumps, Floats & Alarms	Septic tank(s)	ANNUAL
Surface Discharge	Dispersal System	60 days and biannual thereafter
Vegetative Cover	Dispersal System	ANNUAL

The performance and life expectancy of this septic system is dependent on regular monitoring and maintenance of all parts of the system. Your compliance with the operating permit will ensure continued high performance of the system. Failure to perform the monitoring and maintenance of this system could cause costly repairs or replacement and is a violation of the Aitkin County Individual Sewage Treatment System and Wastewater Ordinance.

A copy of this letter will be sent to Greg Westerlund

AITKIN COUNTY ENVIRONMENTAL SERVICES

OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL

OPERATING PERMIT #: 105

FEE: $50.00

PERMITTEE: LE TIGRE RESORT & INVESTMENTS LTD **PHONE:**

ADDRESS: 4901 W 77TH ST #125
Edina, MN 55435-

ZONING PERMIT # 32600

PARCEL #: 16-1-117900

LEGALDESCRIPTION: S 176.4 ft of lot 2

ISSUE DATE 5/31/2006 **EXPIRATION DATE** 5/31/2007

Aitkin County Environmental Services authorizes the Permittee to operate a wastewater treatment and dispersal system located on the above described property in accordance with the requirements of this permit.

This permit is effective on the issuance date identified above.

This permit and the authorization to treat and disperse from the above system shall expire on the above expiration date. The Permittee is not authorized to discharge after the date of expiration. The Permittee shall submit such information and forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the expiration date. When the required information is submitted and approved by Aitkin County Environmental Services, the permit may be renewed. This permit is not transferable from owner to owner.

I hereby certify with my signature as the permittee that I understand the provisions of this permit including the maintenance and monitoring requirements. I agree to indemnify and hold Aitkin County harmless from all loss, damages, costs and charges that may be incurred by use of this system and if I fail to comply with the provisions of this Operating Permit. If I sell this property during the life of the permit, I will inform the new owner(s) of the permit requirements and the need to renew the permit.

Signature of Permittee 6-14-06 **Date**

Signature of Permitting Authority 7/26/06 **Date**

If You have any questions regarding this permit, including the specific permit requirements, permit reporting or permit compliance status, please contact Aitkin County Environmental Services at 218-927-7342.

E. MITIGATION PLAN:

1) Verify water use, enlarge the system to accomidate water use for type I homes.***May need a permit from the MPCA for systems exceeding 10,000 gal/day in the PUD. 2) Rebuild system on alternate site.***May need a permit from the MPCA for systems exceeding 10,000 gal/day in the PUD.

F. SPECIAL REQUIREMENTS:

Must renew operating permit until evidence of system functioning as designed for one year during full occupancy. 5 yrs thereafter ** A WATER METER MUST BE INSTALLED BEFORE COMPLIANCE CERTIFICATE CAN BE ISSUED **

Le Tigre Townhomes
dba Sunset Harbor
Meter Readings 2005-2006

Month	# of Gallons used
September-05	22
October-05	69
November-05	126
December-05	133
January-06	69
February-06	99
March-06	68
April-06	111
May-06	98
June-06	107
July-06	
Total Gallons YTD	902

Re; Letigre Town Home Sewer System

On 6-24-06 a visual inspection was done on the sewer system for phase one.

The mound is in good operating Condition. No leaching, settleing or wasling of side was evident. The pump, alarm and Controls are functioning properly. The water meter indicates only 9,000 gal. have been used since it was installed in the fall of 2005, This amount is well below the estimated daily flow of the design.

The system is operating properly.

Greg Westerlund

Greg westerlund

Lic. # 663

07/24/2006 07:39 3206842337 WESTERLUND CONSTRUCT PAGE 02/02

LeTigre Townhomes Association Inc.

9202 202nd Street, #203
Lakeville, MN 55044
952-469-8500
952-400-4687

RECEIVED JUL 27 2006

Aitkin County Planning and Zoning
209 Second Street NW
Aitkin MN 56431

Dear Missy,

Attached is our application for the septic system. My apologies for the delay. Greg Westerlund kept forgetting to get this to me so I could send to you. I understand you know Greg, so you know he does not like the paperwork part of things.

Please let me know if you need anything further to finalize this permit.

Thanks again for understanding and being patient with us.

Have a great weekend.

Sincerely,

Michelle Simonsen

#105 2007

AITKIN COUNTY ENVIRONMENTAL SERVICES

OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL

JUN 01 2007

OPERATING PERMIT #: 105

FEE: $50.00

PERMITTEE: LE TIGRE RESORT & INVESTMENTS LTD **PHONE:**

ADDRESS: 4901 W 77TH ST #125
Edina, MN 55435-

ZONING PERMIT # 32600 **PARCEL #:** 16-1-117900

LEGALDESCRIPTION: S 176.4 ft of lot 2

ISSUE DATE 5/31/2006 **EXPIRATION DATE** 5/31/2007

Aitkin County Environmental Services authorizes the Permittee to operate a wastewater treatment and dispersal system located on the above described property in accordance with the requirements of this permit.

This permit is effective on the issuance date identified above.

This permit and the authorization to treat and disperse from the above system shall expire on the above expiration date. The Permittee is not authorized to discharge after the date of expiration. The Permittee shall submit such information and forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the expiration date. When the required information is submitted and approved by Aitkin County Environmental Services, the permit may be renewed. This permit is not transferable from owner to owner.

I hereby certify with my signature as the permittee that I understand the provisions of this permit including the maintenance and monitoring requirements. I agree to indemnify and hold Aitkin County harmless from all loss, damages, costs and charges that may be incurred by use of this system and if I fail to comply with the provisions of this Operating Permit. If I sell this property during the life of the permit, I will inform the new owner(s) of the permit requirements and the need to renew the permit.

M. Kingsley 6/1/07

Signature of Permittee **Date**

Signature of Permitting Authority 4-6-07 **Date**

If You have any questions regarding this permit, including the specific permit requirements, permit reporting or permit compliance status, please contact Aitkin County Environmental Services at 218-927-7342.

A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM

Standard Mound septic, 4 - 10' by 80' rock beds must have absorbtion with separation between rock beds. 2.5 feet to restricting layer. One foot of clean washed sand to be used. Pump chamber to have dual pumps, system designed to handle water use as described in a type 2 homes. May excavate into hill to ensure that the absorbtion width exists that can handle the flow.

B. PERFORMANCE STANDARD REQUIREMENTS:

During the period beginning on the effective date (issuance date) of this permit and lasting until this permits expiration date, the Permittee is authorized to discharge from the wastewater treatment unit to subsurface dispersal. No surface discharge is permitted. The following parameters must be monitored and the reuslts must be found within the compliance limits.

PARAMETER	COMPLIANCE LIMIT	SAMPLE LOCATION	SAMPLE FREQUENCY	SAMPLE TYPE	REPORTING FREQUENC
Flow	3900 gpd	Water Meter	MONTHLY	Record on Log Sheet	ANNUALLY

C. MAINTENANCE REQUIREMENTS:

PARAMETER	LOCATION	FREQUENCY
Flow	Water Meter	MONTHLY
Pumps, Floats & Alarms	Septic tank(s)	ANNUAL
Surface Discharge	Dispersal System	60 days and biannual thereafter
Vegetative Cover	Dispersal System	ANNUAL

D. MONITORING AND REPORTING REQUIREMENTS:

Monitoring results obtained during each calendar year shall be submitted no later than December 31st of that year to:

Aitkin County Environmental Services
209 2nd Street NW
Aitkin, MN 56431

The monitoring reports shall be signed by the Permittee. Copies are to be retained by the Permittee.

The Permittee shall notify Aitkin County Environmental Services within thirty (30) days when monitoring results do not meet the monitoring plan requirements of this permit.

Monitoring plans may be modified as necessary and reapproved by Aitkin County Environmental Services.

Sampling and laboratory testing procedures shall be performed in accordance with Standard Methods and the testing and shall be performed by a Minnesota Department of Health approved laboratory. All sampling and testing costs shall be the responibility of the Permittee.

Monitoring will be done by Greg Westerlund

E. MITIGATION PLAN:

1) Verify water use, enlarge the system to accomidate water use for type I homes.***May need a permit from the MPCA for systems exceeding 10,000 gal/day in the PUD. 2) Rebuild system on alternate site.***May need a permit from the MPCA for systems exceeding 10,000 gal/day in the PUD.

F. SPECIAL REQUIREMENTS:

Must renew operating permit until evidence of system functioning as designed for one year during full occupancy. 5 yrs thereafter ** A WATER METER MUST BE INSTALLED BEFORE COMPLIANCE CERTIFICATE CAN BE ISSUED **

WESTERLUND CONSTRUCTION
31410 235TH LANE
AITKIN MN 56431

16-1-117900

TO Aitkin Co. Zoning **DATE** 6 8 07

FAX NUMBER 218 927 4373

FROM Greg Westerlund

ATTN: Missy

Monitoring Report for
LeTigre Town Homes.

5/30/07

Re: Le Tigre Town Homes

A Site Review was done on this System in may of 2007. The System is operating properly. The pump, alarm and controls are functioning properly. The drainfield was built on good soil so Settling is not a issue. Ther is No sign of leaching.

Although all units this System Services are built, there is only a few units being used. Meter readings have not been read Consistently but there is no way the drainfield has been overloaded.

Greg Westerlund

Lic # 663

#105 2009

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

209 Second Street, NW
Aitkin, Minnesota 56431

PH: (218) 927-7342
FX: (218) 927-4372

#16-1-117900

January 22, 2010

RE: Renewed Operating Permit

Dear Sunset Harbor Roberta Aronson

This letter is to inform you that your Operating Permit (No. 105) has been renewed until May 31, 2010.

Please adhere to your monitoring and maintenance contract including monitoring your water use. Failure to do so would violate the agreement to operate your system and could void the operating permit. You should contact your Operation and Maintenance provider directly with questions that you may have during the year.

Thank you for your good stewardship and we hope that your system continues to operate well, protecting groundwater for you and the environment.

Roberta, you also had the question "how often should the water meter be read". You will need to take monthly readings on the water meter. Please make sure that the readings are attached with the maintainer's (Westerlund Construction) report when you apply for renewal in 2010.

Sincerely,

Pete Gansen
Aitkin County Planning & Zoning and
Environmental Services

Office Original

WESTERLUND CONSTRUCTION
31410 235TH LANE
AITKIN MN 56431

32O-684-2337 (ARDEN)
320-684-2460 (GREG)

MAINTENENCE/MONITORING REPORT
SUN SET HARBOR

On september 3rd 2009, A monitoring inspection was done on the septic system at Sunset harbor (aka Le tigre townhomes). The mound shows no signs of leaching or errosion. A good layer of sod has been established. The two pumps and float controls in the pump tank are operating the way they were desinged to work.The alternating control box located along side pump tank risers is also operating properly.The high water alarm bell will sound when high water float is activated.The light bulb for the high water alarm has been removed and will be replaced immediatly.The alternating part of the control box is switching back and forth to each pump the way it is supposed to do. All sewer tanks were pumped in the spring of 2009 and no problems were repoted. Due to a faulty water meter,no water usage was obtainable.

The reason the septic system at Sunset harbor is considered an "other system" is because at the time of design of the system,the estimated water usage was downsized by calling the townhome units type 2 dwellings. Although water meter readings were not available and not all the units are finnished and sold,It is my opinion that this system is working properly and will continue to work properly for quite a few more years. Most all of the units are only used on a weekend basis.Only a few units are lived in full time in the summer and even less in the winter.This gives the system ample time to rest and dry up.I feel this project should be put on a five year monitoring program.

Greg Westerlund
Installer/desinger

Greg Westerlund
Signature

663
Licence #

Aitkin County Planning & Zoning
Attn: Pete

Dear Sir:

We have purchased a new water meter since our old one never function, as per our conversation. Please let me know how often you will need me to read our new meter and give you numbers.

If you need to contact me you can reach me at the following:

Cell: 612-239-4078 or
roberta_aronson@yahoo.com

Sincerely,

R. Aronson

Roberta Aronson Secretary/Treasurer for
Sunset Harbor Association
P.O. Box 907
Isle, MN 56342

AITKIN COUNTY ENVIRONMENTAL SERVICES

OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL

$100 per Pete in zoning

OPERATING PERMIT #: 105

FEE: $50.00

PERMITTEE: Sunset Harbor Association Attn Warren and Chad **PHONE:**

ADDRESS: PO Box 907
Isle, MN 56342-

after full occupancy 5yr permit fee $100

ZONING PERMIT # 32600 **PARCEL #:** 16-1-117900

LEGALDESCRIPTION: S 176.4 ft of lot 2

ISSUE DATE ~~5/31/2006~~ 5/31/2010 **EXPIRATION DATE** ~~5/31/2007~~

Aitkin County Environmental Services authorizes the Permittee to operate a wastewater treatment and dispersal system located on the above described property in accordance with the requirements of this permit.

This permit is effective on the issuance date identified above.

This permit and the authorization to treat and disperse from the above system shall expire on the above expiration date. The Permittee is not authorized to discharge after the date of expiration. The Permittee shall submit such information and forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the expiration date. When the required information is submitted and approved by Aitkin County Environmental Services, the permit may be renewed. This permit is not transferable from owner to owner.

I hereby certify with my signature as the permittee that I understand the provisions of this permit including the maintenance and monitoring requirements. I agree to indemnify and hold Aitkin County harmless from all loss, damages, costs and charges that may be incurred by use of this system and if I fail to comply with the provisions of this Operating Permit. If I sell this property during the life of the permit, I will inform the new owner(s) of the permit requirements and the need to renew the permit.

R. Aronson
Signature of Permittee

9-15-09
Date

Signature of Permitting Authority

10-25-09
Date

If You have any questions regarding this permit, including the specific permit requirements, permit reporting or permit compliance status, please contact Aitkin County Environmental Services at 218-927-7342.

A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM

Standard Mound septic, 4 - 10' by 80' rock beds must have absorbtion with separation between rock beds. 2.5 feet to restricting layer. One foot of clean washed sand to be used. Pump chamber to have dual pumps, system designed to handle water use as described in a type 2 homes. May excavate into hill to ensure that the absorbtion width exists that can handle the flow.

A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM

This design is for an other septic system at an existing site which is currently served by a holding tank. There is insufficient space for a standard septic system. The existing holding tank will be crushed and filled. A new 1500 gallon low profile combo septic tank with an outlet effluent filter will be installed. Effluent will flow from this tank with an outlet effluent filter will be installed. Effluent will flow from this tank by gravity to a 1500 gallon low profile pump tank. The pump will be time dose controlled to pump about 100 gallons per day to a 10x16 box mound.

B. PERFORMANCE STANDARD REQUIREMENTS:

During the period beginning on the effective date (issuance date) of this permit and lasting until this permits expiration date, the Permittee is authorized to discharge from the wastewater treatment unit to subsurface dispersal. No surface discharge is permitted. The following parameters must be monitored and the reuslts must be found within the compliance limits.

PARAMETER	COMPLIANCE LIMIT	SAMPLE LOCATION	SAMPLE FREQUENCY	SAMPLE TYPE	REPORTING FREQUENC
Flow	3900 gpd	Water Meter	MONTHLY	Record on Log Sheet	ANNUALLY

C. MAINTENANCE REQUIREMENTS:

PARAMETER	LOCATION	FREQUENCY
Flow	Water Meter	MONTHLY
Pumps, Floats & Alarms	Septic tank(s)	ANNUAL
Surface Discharge	Dispersal System	60 days and biannual thereafter
Vegetative Cover	Dispersal System	ANNUAL

D. MONITORING AND REPORTING REQUIREMENTS:

Monitoring results obtained during each calendar year shall be submitted no later than December 31st of that year to:

Aitkin County Environmental Services
209 2nd Street NW
Aitkin, MN 56431

The monitoring reports shall be signed by the Permittee. Copies are to be retained by the Permittee.

The Permittee shall notify Aitkin County Environmental Services within thirty (30) days when monitoring results do not meet the monitoring plan requirements of this permit.

Monitoring plans may be modified as necessary and reapproved by Aitkin County Environmental Services.

Sampling and laboratory testing procedures shall be performed in accordance with Standard Methods and the testing and shall be performed by a Minnesota Department of Health approved laboratory. All sampling and testing costs shall be the responibility of the Permittee.

Monitoring will be done by
Monitoring will be done by Greg Westerlund

E. MITIGATION PLAN:

1) Verify water use, enlarge the system to accomidate water use for type I homes.***May need a permit from the MPCA for systems exceeding 10,000 gal/day in the PUD. 2) Rebuild system on alternate site.***May need a permit from the MPCA for systems exceeding 10,000 gal/day in the PUD.

F. SPECIAL REQUIREMENTS:

Must renew operating permit until evidence of system functioning as designed for one year during full occupancy. 5 yrs thereafter ** A WATER METER MUST BE INSTALLED BEFORE COMPLIANCE CERTIFICATE CAN BE ISSUED **

#105 2010

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

209 Second Street, NW
Aitkin, Minnesota 56431

PH: (218) 927-7342
FX: (218) 927-4372

July 2, 2010

RE: **Renewed Operating Permit 105**
Parcel 16-1-117900

Dear Sunset Harbor Townhomes:

This letter is to inform you Operating Permit (No. 105) has been renewed until July 2, 2011.

Please adhere to your monitoring and maintenance contract including monitoring your water use. Failure to do so would violate the agreement to operate your system and could void the operating permit. You should contact your Operation and Maintenance provider directly with questions that you may have during the year.

Thank you for your good stewardship and we hope that your system continues to operate well, protecting groundwater for you and the environment.

Sincerely,
Aitkin County Planning & Zoning

JUN 0 7 2010

June 7, 2010

Pete Gansen
Aitkin County Environmental Services
209 Second Street NW
Aiktin, MN 456341

Pete:

Enclosed are the meter readings for Sunset Harbor Townhome Association along with a System Monitoring Report and a $100 permit fee check.

Please let me know for how much longer we need to read the meters.

You can reach me at: Sunset Harbor Townhomes
P.O. Box 907
Isle, MN 56342

Or

Roberta_Aronson@yahoo.com

Thanks in advance.

Roberta

Roberta Aronson
Secretary/Treasurer

WESTERLUND CONSTRUCTION LLC

31410 235th LN.
Aitkin MN. 56431
320-684-2337

System monitoring report

Sunset harbor townhome Association
operating permit #105

On may 20th 2010, the system was inspected by Greg westerlund. The pump,alarm and controls are operating as designed. The drainfield shows no sign of leaching or ponding and is dry. There is a good grass cover over the entire mound. A new water meter was installed in September of 2009. According to the water meter readings presented by the association, water usage is way below design flow. It is my opinion that this system be put on a 5 year inspection plan. Water meter readings should be watched by the assosiation and if and when water usage gets close to desing flow, annual inspection could continue. Design flow for this system is around 4,000 gal. per day.

Greg Westerlund	Greg Westerlund	663
Designer/installer	signature	Lic. no.

Sunset Harbor Townhome Association Water Meter Readings

Operating Permit No.105

New Meter Purchased/Installed 9-10-2009
Maximum per day allowed is 4,000 gallons

Meter Reading Date	Meter Number	Gallons
September 10, 2009	0	
October 1, 2009	111	111
November 1, 2009	230	119
December 31, 2009	420	190
January 30, 2010	502	82
February 27, 2010	560	58
March 28, 2010	783	223
April	950	167
May 31,2010	1203	253
June		
July		
August		
September		
October		
November		
December		

#105 2011

JUL 22 2011

AITKIN COUNTY ENVIRONMENTAL SERVICES

OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL

OPERATING PERMIT #: 105 **FEE:** 100

PERMITTEE: Sunset Harbor Assn. Attn Roberta & Warren **PHONE:** (612) 239-4078

ADDRESS: PO Box 907
Isle, MN 56342-

ZONING PERMIT # 32600 **PARCEL #:** 16-1-117900

ISSUE DATE: 6/30/2011 **RENEW DATE:** 5/31/2012

LEGALDESCRIPTION: S 176.4 ft of lot 2

Aitkin County Environmental Services authorizes the Permittee to operate a wastewater treatment and dispersal system located on the above described property in accordance with the requirements of this permit.

This permit is effective on the issuance date identified above.

This permit and the authorization to treat and disperse from the above system shall expire on the above expiration date. The Permittee is not authorized to discharge after the date of expiration. The Permittee shall submit such information and forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the expiration date. When the required information is submitted and approved by Aitkin County Environmental Services, the permit may be renewed. This permit is not transferable from owner to owner.

I hereby certify with my signature as the permittee that I understand the provisions of this permit including the maintenance and monitoring requirements. I agree to indemnify and hold Aitkin County harmless from all loss, damages, costs and charges that may be incurred by use of this system and if I fail to comply with the provisions of this Operating Permit. If I sell this property during the life of the permit, I will inform the new owner(s) of the permit requirements and the need to renew the permit.

R. Aronson 7-18-2011
Signature of Permittee **Date**

K. Kenny 7/28/11
Signature of Permitting Authority **Date**

If You have any questions regarding this permit, including the specific permit requirements, permit reporting or permit compliance status, please contact Aitkin County Environmental Services at 218-927-7342.

CK# 2177 #100
dated 7/20/11
receipt 169682
*noted in Access KK

b

16-1-120100
PH 32600

JUL 22 2011

WESTERLUND CONSTRUCTION LLC

31410 235th LN. Aitkin MN. 56431
Phone : (320) 684-2337
Cell : (218) 839-9460
Fax : (320) 684-2375

MONITORING REPORT

Sunset Harbor assn.
PO Box 907
Isle MN. 56342

Operating permit # 105
Parcel identification # 16-1-117900

A visual inspection was done on this system July 15th 2011. The system is functioning as designed. The mound area shows no signs of leaching and there is no signs of settling. All septic tanks are pumped and cleaned by Goble Sewer Service and show no signs of failure. The pump tank, located by the mound area, shows no signs of leaking and the pumps,alarm and controls are operating as they should. A new alternating duplex control box was installed in the summer of 2010. This box, when tested, alternates from one pump to the next as designed and the high water alarm sounds when there is a pump failure or the water in the tank gets to high. The alarm in this box is a audio/visual alarm.

The reason this system requires a operating permit is because, when designed, the estimated water flow was reduced to type two dwellings. These units are all residential dwellings and there is no need for water testing. All units have been built and are now owned by private individuals. According to water meter reports taken by the association, the highest water usage occured during the period between 7/29 and 8/31 of 2010. If correct the average daily flow for this period is 1,297 gallons per day. This maximum flow is still under the daily design flow. It is my opinion that this system and water flow are within the design parameter and there is no need for monitoring reports as long as the association continues to keep water meter reports annually.

Respectfully submitted: Greg Westerlund Installer/designer Lic# 663

Signature Greg Westerlund Date 7-20-11

Sunset Harbor Townhome Association Water Meter Readings
Operating Permit No.105

JUL 2 2 2011

New Meter Purchased/Installed 9-10-2009
Maximum per day allowed is 4,000 gallons

Amounts divided by the days in the period

Meter Reading Date	# of Days	Meter Number (00's omitted)	Gallons per Period
September 10, 2009		0	
October 1, 2009	21	111	111
November 1, 2009	30	230	119
December 31, 2009	60	420	190
January 30, 2010	30	502	82
February 27, 2010	27	560	58
March 28, 2010	31	783	223
April 30, 2010	32	950	167
May 31, 2010	30	1203	253
June 29, 2010	29	1430	227
July 29, 2010	30	1817	387
August 31, 2010	32	2232	41500
September 29, 2010	29	2374	142
October 30, 2010	31	2524	150
November 28, 2010	28	2618	94
December 31, 2010	33	2717	99
January 27, 2011	27	2787	70
February 27, 2011	30	2874	87
April 1, 2011	34	2973	99
May 1, 2011	30	3101	128
May 31, 2011	30	3300	199
June 29, 2011	29	3525	225

25,300
22,700

OP#105 2012

AITKIN COUNTY ENVIRONMENTAL SERVICES

OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL

OPERATING PERMIT #: 105 **FEE:** 100

PERMITTEE: Le Tigre Resort Attn: Roberta Aronson **PHONE:** (612) 239-4078

ADDRESS: PO Box 907
Isle, MN 56342-

ZONING PERMIT # 32600 **PARCEL #:** 16-1-120100

ISSUE DATE: 6/30/2011 **RENEW DATE:** 5/31/2012

LEGALDESCRIPTION: S 176.4 ft of lot 2

Aitkin County Environmental Services authorizes the Permittee to operate a wastewater treatment and dispersal system located on the above described property in accordance with the requirements of this permit.

This permit is effective on the issuance date identified above.

This permit and the authorization to treat and disperse from the above system shall expire on the above expiration date. The Permittee is not authorized to discharge after the date of expiration. The Permittee shall submit such information and forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the expiration date. When the required information is submitted and approved by Aitkin County Environmental Services, the permit may be renewed. This permit is not transferable from owner to owner.

I hereby certify with my signature as the permittee that I understand the provisions of this permit including the maintenance and monitoring requirements. I agree to indemnify and hold Aitkin County harmless from all loss, damages, costs and charges that may be incurred by use of this system and if I fail to comply with the provisions of this Operating Permit. If I sell this property during the life of the permit, I will inform the new owner(s) of the permit requirements and the need to renew the permit.

R. Aronson
Signature of Permittee

6-27-2012
Date

K Kunz
Signature of Permitting Authority

7-19-12
Date

If you have any questions regarding this permit, including the specific permit requirements, permit reporting or permit compliance status, please contact Aitkin County Environmental Services at 218-927-7342.

7-19-12 CK# 2257 Receipt 374243 $100

A. DESCRIPTION OF WASTEWATER TREATMENT AND DISPERSAL SYSTEM

Standard Mound septic, 4 - 10' by 80' rock beds must have absorbtion with separation between rock beds. 2.5 feet to restricting layer. One foot of clean washed sand to be used. Pump chamber to have dual pumps, system designed to handle water use as described in a type 2 homes. May excavate into hill to ensure that the absorbtion width exists that can handle the flow.

B. PERFORMANCE STANDARD REQUIREMENTS:

During the period beginning on the effective date (issuance date) of this permit and lasting until this permits expiration date, the Permittee is authorized to discharge from the wastewater treatment unit to subsurface dispersal. No surface discharge is permitted. The following parameters must be monitored and the reuslts must be found within the compliance limits.

PARAMETER	COMPLIANCE LIMIT	SAMPLE LOCATION	SAMPLE FREQUENCY	SAMPLE TYPE	REPORTING FREQUENCY
Flow	3900 gpd	Water Meter	MONTHLY	Record on Log Sheet	ANNUALLY

C. MAINTENANCE REQUIREMENTS:

PARAMETER	LOCATION	FREQUENCY
Flow	Water Meter	MONTHLY
Pumps, Floats & Alarms	Septic tank(s)	ANNUAL
Surface Discharge	Dispersal System	60 days and biannual thereafter
Vegetative Cover	Dispersal System	ANNUAL

D. MONITORING AND REPORTING REQUIREMENTS:

Monitoring results obtained during each calendar year shall be submitted no later than December 31st of that year to:

Aitkin County Environmental Services
209 2nd Street NW, Room 100
Aitkin, MN 56431

The monitoring reports shall be signed by the Permittee. Copies are to be retained by the Permittee.

The Permittee shall notify Aitkin County Environmental Services within thirty (30) days when monitoring results do not meet the monitoring plan requirements of this permit.

Monitoring plans may be modified as necessary and reapproved by Aitkin County Environmental Services.

Sampling and laboratory testing procedures shall be performed in accordance with Standard Methods and the testing and shall be performed by a Minnesota Department of Health approved laboratory. All sampling and testing costs shall be the responibility of the Permittee.

Monitoring will be done by Greg Westerlund

E. MITIGATION PLAN:

1) Verify water use, enlarge the system to accomidate water use for type I homes.***May need a permit from the MPCA for systems exceeding 10,000 gal/day in the PUD. 2) Rebuild system on alternate site.***May need a permit from the MPCA for systems exceeding 10,000 gal/day in the PUD.

F. SPECIAL REQUIREMENTS:

Must renew operating permit until evidence of system functioning as designed for one year during full occupancy. 5 yrs thereafter ** A WATER METER MUST BE INSTALLED BEFORE COMPLIANCE CERTIFICATE CAN BE ISSUED **

JUL 18 2012

WESTERLUND CONSTRUCTION LLC

31410 235th LN. Aitkin MN. 56431
Phone : (320) 684-2337
Cell : (218) 839-9460
Fax : (320) 684-2375

MONITORING REPORT

Re: Le Tigre Resort / Sunset Harbor Town Homes
PO Box 907 Isle, MN. 56432
OPERATING PERMIT # 105
ZONING PERMIT # 32600
PARCEL # 16-1-120100 6/28/12

On 6/24/12 a monitoring inspection was done on this on- site sewage Treatment system and the system is operating as designed. The mound has a good sod turf formed over the entire area, with no signs of leeching anywhere in the area. The pumps, alarm and controls are operating as they should and disposing of the effluent in alternating intervals. Water meter readings supplied by the Town Home Association indicate that although all units have been sold, water flow is still under design limits of 3,900 gallons per day. Meter readings indicate peak flows during the months of June through November. July was the month with the most water used, 39,700 gallons of water were used in a 32 day period making an average flow of 1241 gallons per day. It is my opinion that this system is operating as it should.

Greg Westerlund Designer / Installer Lic.# 663

Greg Westerlund

SIGNATURE

Sunset Harbor Townhome Association Water Meter Readings
Operating Permit No. 105

New Meter Purchased/Installed 9-10-2009
Maximum per day allowed is 4,000 gallons

Meter Reading Date	# of Days	Meter Number	Gallons per Period
September 10, 2009		-	
October 1, 2009	21	11,100	11,100
November 1, 2009	30	23,000	11,900
December 31, 2009	60	42,000	19,000
January 30, 2010	30	50,200	8,200
February 27, 2010	27	56,000	5,800
March 28, 2010	31	78,300	22,300
April 30, 2010	32	95,000	16,700
May 31, 2010	30	120,300	25,300
June 29, 2010	29	143,000	22,700
July 29, 2010	30	181,700	38,700
August 31, 2010	32	223,200	41,500
September 29, 2010	29	237,400	14,200
October 30, 2010	31	252,400	15,000
November 28, 2010	28	261,800	9,400
December 31, 2010	33	271,700	9,900
January 27, 2011	27	278,700	7,000
February 27, 2011	30	287,400	8,700
April 1, 2011	34	297,300	9,900
May 1, 2011	30	310,100	12,800
May 31, 2011	30	330,000	19,900
June 29, 2011	29	352,500	22,500
July 31, 2011	32	392,200	39,700
August 29, 2011	29	423,000	30,800
September 28, 2011	29	448,600	25,600
October 27, 2011	29	472,000	23,400
November 28, 2011	31	486,700	14,700
December 28, 2011	30	496,800	10,100
January 28, 2012	30	509,600	12,800
February 27, 2012	29	522,200	12,600
March 29, 2012	32	533,400	11,200
April 27, 2012	28	545,200	11,800
May 27, 2012	30	568,400	23,200
June 25, 2012	28	595,300	26,900

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING

209 Second Street, NW
Aitkin, Minnesota 56431

PH: (218) 927-7342
FX: (218) 927-4372

July 19, 2012

RE: **Renewed Operating Permit #105**
Parcel 16-1-120100

Dear Le Tigre Resort Assoc. Inc.:

This letter is to inform you Operating Permit (No. 105) has been renewed until May 31, 2013.

Please adhere to your monitoring and maintenance contract including monitoring your water use. Failure to do so would violate the agreement to operate your system and could void the operating permit. You should contact your Operation and Maintenance provider directly with questions that you may have during the year.

Thank you for your good stewardship and we hope that your system continues to operate well, protecting groundwater for you and the environment.

Sincerely,

Kristi K.

Aitkin County Planning & Zoning

OP# 105 2014

Septic Check

Septic System Management Services

11/7/14

Sunset Harbor Townhomes
33176 – 170th Ave
Isle MN 56342

RE: Septic System compliance PID# 16-1-120100

A septic system compliance inspection was recently completed for the property listed above. The system was installed in 2003 and serves several townhomes on the property. The system consists of a large mound with four individual 10' x 81' rockbeds. Soil borings were completed in multiple areas around the mound system. Identifying a limiting layer was challenging since most of the area has been re graded from original soils. Many of the soil borings showed mixed fill soils in the profile on top of the native soil. Soil borings were also completed though the mound system which showed the mound system is taking water and is in good operating condition.

The owners record flow monthly using a water meter. A table with meter readings and flow calculations are attached. The meter in the lift station was recorded at the time of the inspection. Pump readings were as follows: Pump 1: ETM 224:09, CC 3141. Pump 2: ETM 233:58, CC 3123.

The attached documents include a compliance inspection form, flow readings, soil boring log, and site plan. Please feel free to contact me with any questions regarding the findings of the compliance inspection.

Sincerely,

Brian Koski
Advanced Inspector #7898

Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

Compliance Inspection Form

Existing Subsurface Sewage Treatment Systems (SSTS)

Doc Type: Compliance and Enforcement

Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached forms – additional local requirements may also apply.

Submit completed form to Local Unit of Government (LUG) and system owner within 15 days

For local tracking purposes:

System Status

System status on date (mm/dd/yyyy): 11/7/2014

☒ **Compliant – Certificate of Compliance**
(Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.)

☐ **Noncompliant – Notice of Noncompliance**
(See Upgrade Requirements on page 3.)

Reason(s) for noncompliance *(check all applicable)*

- ☐ Impact on Public Health *(Compliance Component #1) – Imminent threat to public health and safety*
- ☐ Other Compliance Conditions *(Compliance Component #3) – Imminent threat to public health and safety*
- ☐ Tank Integrity *(Compliance Component #2) – Failing to protect groundwater*
- ☐ Other Compliance Conditions *(Compliance Component #3) – Failing to protect groundwater*
- ☐ Soil Separation *(Compliance Component #4) – Failing to protect groundwater*
- ☐ Operating permit/monitoring plan requirements *(Compliance Component #5) – Noncompliant*

Property Information

Parcel ID# or Sec/Twp/Range: 16-1-120100

Property address: 33176 - 170th Ave Isle MN 56342
Reason for inspection: Property Transfer

Property owner: Sunset Harbor Twonhomes
Owner's phone: 612-239-4078

or

Owner's representative: Roberta Aronson
Representative phone: 612-239-4078

Local regulatory authority: Aitkin Coutny
Regulatory authority phone: 218-927-7342

Brief system description: 1350 gal. septic tank at each townhome, gravity flows to 1000 gal. lift station, duplex pumps dose four 10' x 80' rockbed mounds

Comments or recommendations:

Certification

I hereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.

Inspector name: Brian Koski
Certification number: 2624

Business name: Septic Check
License number: 7989

Inspector signature:
Phone number: 320-983-2447

Necessary or Locally Required Attachments

☒ Soil boring logs ☒ System/As-built drawing ☐ Forms per local ordinance

☐ Other information (list):

Property address: 33176 - 170th Ave Isle MN 56342 Inspector initials/Date: BL | 11/7/2014 (mm/dd/yyyy)

1. Impact on Public Health – Compliance component #1 of 5

Compliance criteria:

System discharges sewage to the ground surface.	☐ Yes ☒ No
System discharges sewage to drain tile or surface waters.	☐ Yes ☒ No
System causes sewage backup into dwelling or establishment.	☐ Yes ☒ No

Any "yes" answer above indicates the system is an imminent threat to public health and safety.

Comments/Explanation:

Verification method(s):

- ☒ Searched for surface outlet
- ☒ Searched for seeping in yard/backup in home
- ☒ Excessive ponding in soil system/D-boxes
- ☐ Homeowner testimony *(See Comments/Explanation)*
- ☒ "Black soil" above soil dispersal system
- ☐ System requires "emergency" pumping
- ☐ Performed dye test
- ☐ Unable to verify *(See Comments/Explanation)*
- ☐ Other methods not listed *(See Comments/Explanation)*

2. Tank Integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, or leaching pit. *Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.*	☐ Yes ☒ No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	☐ Yes ☒ No

Any "yes" answer above indicates the system is failing to protect groundwater.

Comments/Explanation:

Verification method(s):

- ☒ Probed tank(s) bottom
- ☒ Examined construction records
- ☐ Examined Tank Integrity Form *(Attach)*
- ☐ Observed liquid level below operating depth
- ☐ Examined empty (pumped) tanks(s)
- ☐ Probed outside tank(s) for "black soil"
- ☐ Unable to verify *(See Comments/Explanation)*
- ☐ Other methods not listed *(See Comments/Explanation)*

3. Other Compliance Conditions – Compliance component #3 of 5

a. Maintenance hole covers are damaged, cracked, unsecured, or appear to be structurally unsound. ☐ Yes* ☒ No ☐ Unknown

b. Other issues *(electrical hazards, etc.)* to immediately and adversely impact public health or safety. ☐ Yes* ☒ No ☐ Unknown
System is an imminent threat to public health and safety.

Explain:

c. System is non-protective of ground water for other conditions as determined by inspector . ☐ Yes* ☒ No
System is failing to protect groundwater.

Explain:

Property address: 33176 - 170th Ave Isle MN 56342 Inspector initials/Date: [illegible] | 11/14/2014 (mm/dd/yyyy)

4. Soil Separation – Compliance component #4 of 5

Date of installation: 9-17-2003 (mm/dd/yyyy) ☐ Unknown

Shoreland/Wellhead protection/Food beverage lodging? ☒ Yes ☐ No

Compliance criteria:

For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment: Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No
Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment: Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*	☒ Yes ☐ No
"Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080. 2350 or 7080.2400 (Advanced Inspector License required) Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.	☐ Yes ☐ No

Any "no" answer above indicates the system is failing to protect groundwater.

Verification method(s):

Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local requirements differ.

- ☒ Conducted soil observation(s) *(Attach boring logs)*
- ☒ Two previous verifications *(Attach boring logs)*
- ☐ Not applicable *(Holding tank(s), no drainfield)*
- ☐ Unable to verify *(See Comments/Explanation)*
- ☐ Other *(See Comments/Explanation)*

Comments/Explanation:

Indicate depths or elevations

A. Bottom of distribution media	7.2
B. Periodically saturated soil/bedrock	9.9
C. System separation	33"
D. Required compliance separation*	31" with 15%

*May be reduced up to 15 percent if allowed by Local Ordinance.

5. Operating Permit and Nitrogen BMP* – Compliance component #5 of 5 ☐ Not applicable

Is the system operated under an Operating Permit? ☒ Yes ☐ No **If "yes", A below is required**

Is the system required to employ a Nitrogen BMP? ☐ Yes ☐ No **If "yes", B below is required**

BMP = Best Management Practice(s) specified in the system design

If the answer to both questions is "no", this section does not need to be completed.

Compliance criteria

a. Operating Permit number: 105 Have the Operating Permit requirements been met?	☒ Yes ☐ No
b. Is the required nitrogen BMP in place and properly functioning?	☐ Yes ☐ No

Any "no" answer indicates Noncompliance.

Upgrade Requirements *(Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.*

Mail to Aitkin County Enviornmental Services - Pete

Sunset Harbor Townhome Association Water Meter Readings
Operating Permit No. 105

New Meter Purchased/Installed 9-10-2009
Maximum per day allowed is 4,000 gallons

Meter Reading Date	# of Days	Meter Number	Gallons per Period	Average Gallons per Day
April 27, 2013	28	852,400	14,900	532
May 27, 2013	30	872,700	20,300	677
June 28, 2013	31	903,800	31,100	1,003
July 28, 2013	30	963,000	59,200	1,973
September 3, 2013	35	1,023,100	60,100	1,717
September 30, 2013	27	1,043,300	20,200	748
November 8, 2013	38	1,073,200	29,900	787
December 3, 2013	25	1,091,800	18,600	744
January 3, 2014	30	1,109,900	18,100	603
February 6, 2014	33	1,127,400	17,500	530
March 5, 2014	29	1,141,600	14,200	490
April 5, 2014	30	1,155,200	13,600	453
May 2, 2014	27	1,171,300	16,100	596
June 1, 2014	29	1,199,200	27,900	962
June 28, 2014	27	1,222,100	22,900	848
July 28, 2014	30	1,264,800	42,700	1,423
September 1, 2014	33	1,311,000	46,200	1,400
September 30, 2014	29	1,336,700	25,700	886
November 2, 2014	32	1,362,500	25,800	806

#105 2016

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING
209 Second Street, NW Room# 100
Aitkin, Minnesota 56431
PH: (218) 927-7342
FX: (218) 927-4372

pd 4-12-16
2623

3/16/2016

Le Tigre Resort Attn: Roberta Aro
PO Box 907
Isle, MN 56342-

Re: Operating Permit # 105 Phase I
Zoning Permit #32600
Parcel ID#16-1-120100

Greg W not a service provider

Dear Permittee:

This letter is to remind you that the Operating Permit for the septic system at the above mentioned parcel is due for renewal this year. The enclosed Operating Permit was issued as part of the permit for your septic system and must be renewed.

The Operating Permit for the current renewal period has been enclosed. If there are no changes to the Operating Permit, please submit the following to the County Office:

- ☑ the signed Operating Permit Contract
- ☑ the $100 permit renewal fee
- ☑ the results of performance and maintenance activities
- ☑ a table of your water usage

We have checked all boxes above for information we have received. Please note, only complete applications will be accepted.

If your designer finds the system is operating in conformance with the Operating Permit, please have him/her submit a letter requesting to have the Operating Permit renewed for a longer period or to request terminating the Operating Permit. Our Office will determine if this is possible.

The performance and life expectancy of this septic system is dependent on regular monitoring and maintenance of all parts of the system. Your compliance with the Operating Permit will ensure continued performance of the system. Failure to perform the monitoring and maintenance of this system could cause costly repairs and/or replacement of this system. In addition, failure to comply with the monitoring, maintenance and reporting of the septic system is a violation of the Aitkin County's Subsurface Sewage Treatment System Ordinance and could be prosecuted by the County Attorney's Office.

All information required must be submitted to this Office by the expiration date referenced on your Operating Permit. We are notifying you to give you sufficient time to contact your designer and make any necessary changes, have samples taken and tested, tanks pumped, and any other activities that were required to meet the requirements of your permit.

Please contact our office with any questions regarding the renewal of this permit.

Sincerely,

Aitkin County Planning & Zoning

Kalea Suihkonen

From: Roberta Aronson [roberta_aronson@yahoo.com]
Sent: Wednesday, April 27, 2016 6:02 AM
To: Kalea Suihkonen
Subject: Re: Operating Permits 105 & 370

Categories: Green Category

Hi Kalea: Here is some info for you: The Phase I mound (105 - built circa 2003) services 16 homes and does have a water meter which I gave the readings to Septic Check. Of the 16 units for the 105 mound, 4 units are full-time residents, the rest are week-enders in the summer primarily. The Phase II mound (370 built circa 2010) is a 10 unit capacity and does not have a water meter because there are only two units hooked up to it (1 unit has never been occupied, and the other is used by summer week-enders).

Septic Check has inspected both mounds both this year and last year. If you have any more questions, please let me know.

Roberta Aronson
612-239-4078

From: Kalea Suihkonen <kalea.suihkonen@co.aitkin.mn.us>
To: roberta_aronson@yahoo.com
Sent: Tuesday, April 26, 2016 11:17 AM
Subject: Operating Permits 105 & 370

Hi Roberta,

Just touching base regarding the septic systems at Le Tigre Resort. I received the fees and signed operating permit contract for both systems (OP 105 and 370). The operating permits have been handed off to me this year so try and bear with me ☺

Along with the fees and contract, I also received water meter readings for OP 105 (Phase I). I did a little research in the file and it looks like the last time you and Kristi talked there was no meter reading device installed – is that still the case?

I also received Septic Check's monitoring report but was unclear as to which system it was for – were both systems inspected?

I appreciate your time!

Have a great day,

Kalea Suihkonen
Aitkin County Planning & Zoning
209 2nd St NW Rm 100
Aitkin, MN 56431
218-927-7342

OP 105
pt# 32600

5/27/2015

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

PROPERTY INFORMATION

Sunset Harbor Townhomes
Location: 33176 170th Avenue
Isle
Tax ID: 16-1-120100

Use: Commercial, Community

GENERAL SYSTEM TYPE: STAND Comm 1 NO TEST

Owner: Sunset Harbor Townhomes

Mail To: Sunset Harbor Townhomes
P.O. Box 907
Isle, MN
56342

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ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 05/22/2015 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:	*Work Performed By:*	*Submitted 05/27/2015 by:*
Septic Check	Torrey Boser	Angie Stafford

Fold Here

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

The alarm on the East system is going off. The tank will need to be pumped out.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Septic Tank - 1 Compartment Tank #1 North Septic tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1"	
Compartment 1 Sludge accumulation (Inches, if other specify):	1"	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #2 West Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1"	
Compartment 1 Sludge accumulation (Inches, if other specify):	4"	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #3 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1"	
Pumping recommended:	NO	

TANK: Septic Tank - 1 Compartment Tank #4 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #5 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	4"	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #6 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2"	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #7 East Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Pump Tank Drainfield dose tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	247.05	
Pump 1: Cycle Count (override in parentheses - if present):	3454	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	3499	
Pump 2: ETM hours (override in parentheses - if present):	257.25	
Media Filter: Mound 4 10' x 81' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Lateral lines flushed:	NO	
Ponding present? If YES explain in comments:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
TANK: Septic Tank - 1 Compartment System 2 Tank #1 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	

Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Control functioning:	YES	
Tested gallons per minute flow:	N/A	
TANK: Pump Tank System 2 pump tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	23	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Media Filter: Mound 2 10' x 92' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Lateral lines flushed:	NO	
Ponding present? If YES explain in comments:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	

Septic Check

EXPERT SERVICE, LASTING VALUE

April 13, 2016

Aitkin County Environmental Services
209 Second Street NW
Aitkin, MN 56431

RE: Operating Permit Reporting for 2016

To Whom It May Concern:

Septic Check is in contract for inspecting this property since 2015, please note this on their account. The operating permit for this property is up for renewal this year, enclosed please find the annual inspection report for our contracted maintenance customer in your jurisdiction. Copies of the report were sent to the customer as well.

Reports for the following customer are enclosed:

Sunset Harbor Townhomes PID# 16-1-120100

Please contact me at (320) 983-2447 with any questions.

Sincerely,

Brian Koski
Enclosure(s)

PHONE 320-983-2447 • **TOLL FREE** 888-983-2447 • **FAX** 320-983-2151

6074 Keystone Road • Milaca, MN 56353 • info@SepticCheck.com • www.SepticCheck.com

A Division of WEX Companies

OP 105
P# 32600

4/13/2016

Septic-Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447
Fax: 320-983-2151

PROPERTY INFORMATION

Sunset Harbor Townhomes
Location: 33176 170th Avenue
Isle
Tax ID: 16-1-120100

Use: Commercial, Community
System Design Flow: 2200
GENERAL SYSTEM TYPE: STAND Comm 1 NO TEST
Owner: Sunset Harbor Townhomes

Mail To: Sunset Harbor Townhomes
P.O. Box 907
Isle, MN
56342

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ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 04/12/2016 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:	*Work Performed By:*	*Submitted 04/13/2016 by:*
Septic Check	Torrey Boser	Angie Stafford

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COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Septic Tank - 1 Compartment Tank #1 North Septic tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #2 West Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (If NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	2"	
Compartment 1 Sludge accumulation (Inches, if other specify):	10"	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #3 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	3"	
Compartment 1 Sludge accumulation (Inches, if other specify):	2"	
Pumping recommended:	NO	

TANK: Septic Tank - 1 Compartment Tank #4 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2"	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #5 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	4"	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #6 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2"	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #7 East Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Pump Tank Drainfield dose tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	297.41	
Pump 1: Cycle Count (override in parentheses - if present):	4133	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	314.05	
Pump 2: Cycle Count (override in parentheses - if present):	4107	
Media Filter: Mound 4 10' x 81' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Lateral lines flushed:	NO	
Ponding present? If YES explain in comments:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
TANK: Septic Tank - 1 Compartment System 2 Tank #1 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2"	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	

OP 105

Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
TANK: Pump Tank System 2 pump tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	N/A	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	47	
Media Filter: Mound 2 10' x 92' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Lateral lines flushed:	NO	
Ponding present? If YES explain in comments:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	

↑ op 370

4-12-16

Septic Mound Permits 105 & 370

I'm sending in a check for both permits, Septic Check will be following up with the paperwork. Also, please note that Septic Check is our vendor so please change your records. They also did the inspection last year.

Thanks in advance.

R. Aronson

Roberta Aronson

612-239-4078 / roberta_aronson@yahoo.com

Secretary Treasurer

LeTigre/Sunset Harbor Townhomes

p 32600

Mail to Aitkin County Enviornmental Services - Pete

Sunset Harbor Townhome Association Water Meter Readings
Operating Permit No. 105

New Meter Purchased/Installed 9-10-2009
Maximum per day allowed is 4,000 gallons

Meter Reading Date	# of Days	Meter Number	Gallons per Period	Average Gallons per Day
February 6, 2014	33	1,127,400	17,500	530
March 5, 2014	29	1,141,600	14,200	490
April 5, 2014	30	1,155,200	13,600	453
May 2, 2014	27	1,171,300	16,100	596
June 1, 2014	29	1,199,200	27,900	962
June 28, 2014	27	1,222,100	22,900	848
July 28, 2014	30	1,264,800	42,700	1,423
September 1, 2014	33	1,311,000	46,200	1,400
September 30, 2014	29	1,336,700	25,700	886
November 2, 2014	32	1,362,500	25,800	806
December 1, 2014	29	1,380,300	17,800	614
January 28, 2015	57	1,412,700	32,400	568
April 4, 2015	66	1,443,300	30,600	464
April 27, 2015	23	1,458,800	15,500	674
May 26, 2015	29	1,483,000	24,200	834
June 30, 2015	34	1,517,200	34,200	1,006
July 31, 2015	30	1,560,000	42,800	1,427
August 30, 2015	30	1,589,600	29,600	987
September 30, 2015	30	1,614,800	25,200	840
November 25, 2015	55	1,650,400	35,600	647
January 2, 2016	37	1,677,700	27,300	738
February 18, 2016	46	1,710,600	32,900	715
April 3, 2016	45	1,736,600	26,000	578

AITKIN COUNTY ENVIRONMENTAL SERVICES
OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL RENEWAL

ISSUANCE DATE: 5 /31/2016
RENEWAL PERIOD: ANNUALLY

OPERATING PERMIT #: 370
ZONING PERMIT #: 38026
PARCEL #: 16-1-120100

PERMITTEE: Le Tigre Resort Attn: Roberta Aronson

TELEPHONE: (612) 978-2585

MAILING ADDRESS:
PO BOX 907
ISLE, MN 56342-

PROPERTY ADDRESS:
Unknown
Unknown, MN

LEGAL DESCRIPTION: LOT 21 (COMMONS AREA)

Aitkin County Environmental Services authorizes the Permittee to operate a wastewater treatment and dispersal system located on the above described property in accordance with the requirements of this permit.

This permit is effective on the issuance date identified above.

This permit and the authorization to treat and disperse from the above system is valid through the renewal period identified above. The Permittee is not authorized to discharge after the renewal period. The Permittee shall submit such information and forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the expiration date. When the required information is submitted and approved by Aitkin County Environmental Services, the permit may be renewed. This permit is not transferable from owner to owner.

I hereby certify with my signature as the permittee that I understand the provisions of this permit including the maintenance and monitoring requirements. I agree to indemnify and hold Aitkin County harmless from all loss, damages, costs and charges that may be incurred by use of this system and if I fail to comply with the provisions of this Operating Permit. If I sell this property during the life of the permit, I will inform the new owner(s) of the permit requirements and the need to renew the permit.

K. Aronson - Sec/Treasurer
Signature of Permittee

4-12-16
Date

Kaleg S
Signature of Permitting Authority

4/19/16
Date

If you have any questions regarding this permit, including the specific permit requirements, permit reporting or permit compliance status, please contact Aitkin County Environmental Services at 218-927-7342.

4/19/16 rpt 594001
CK 2623
~~$100~~ $200
(for OP 05 & 370)

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING
209 Second Street, NW Room# 100
Aitkin, Minnesota 56431
PH: (218) 927-7342
FX: (218) 927-4372

5/2/2016

Le Tigre Resort / Roberta Aronso
PO Box 907
Isle, MN 56342-

Re: Operating Permit # 105
Zoning Permit # 32600
Parcel # 16-1-120100

Dear Permittee:

This letter is to inform you that your Operating Permit has been renewed until 5/31/2019 .

Please adhere to your monitoring and maintenance contract including monitoring your water use. Failure to do so would violate the agreement to operate your system and could void the operating permit. You should contact your Operation and Maintenance provider directly with questions that you may have during the year.

Thank you for your good stewardship and we hope that your system continues to operate well, protecting groundwater for you and the environment.

Sincerely,

Kalea S.

Aitkin County Planning & Zoning

OP# 105 2017

Kalea Fischer

From: Roberta Aronson [roberta_aronson@yahoo.com]
Sent: Tuesday, December 12, 2017 1:53 PM
To: Kalea Suihkonen
Cc: Peter Gansen
Subject: Water Meter Readings for Sunset Harbor Townhome Permit 105
Attachments: Water Meter Readings for County.xls

Follow Up Flag: Follow up
Flag Status: Flagged

Kalea: The last time we corresponded was back in 2016 regarding our septic and water system. As your records show our water meter readings in the past have never reached, even closely, to the maximum allowable per day. We have been at full capacity, 16 homes, using the septic mound, permit 105, for the last 5 years.

I am formally requesting that we forego the water meter readings in the future. We will however, continue to have our mound(s) permits 105 & 370 inspected annually and send the County the report.

I have attached the history of water meter readings for your review. Please consider our request

Roberta Aronson/Secretary&Treasurer
Sunset Harbor Townhome Association
612-239-4078

12-13-17 OK per Terry Neff to remove water meter reading requirements on both CP 105 & 370. KS

Mail to Aitkin County Enviornmental Services - Pete Gansen:

Sunset Harbor Townhome Association Water Meter Readings
Operating Permit No. 105

New Meter Purchased/Installed 9-10-2009
Maximum per day allowed is 4,000 gallons

Meter Reading Date	# of Days	Meter Number	Gallons per Period	Average Gallons per Day
December 29, 2016	63	2,035,100	61,100	970
February 20, 2017	51	2,103,800	68,700	1,347
May 4, 2017	74	2,146,100	42,300	572
June 6, 2017	32	2,188,900	42,800	1,338
June 30, 2017	24	2,218,700	29,800	1,242
July 31, 2017	30	2,274,800	56,100	1,870
September 6, 2017	36	2,322,000	47,200	1,311
September 29, 2017	23	2,359,400	37,400	1,626
October 30, 2017	31	2,446,400	87,000	2,806
November 29, 2017	29	2,506,200	59,800	2,062

2019

OP 105

6/5/2017

renew 2019

P 32600

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Sunset Harbor Townhomes
P.O. Box 907
Isle, MN
56342

PROPERTY INFORMATION

Sunset Harbor Townhomes
Location: 33176 170th Avenue
Isle
Tax ID: 16-1-120100

Use: Commercial, Community (20 bdrm)
System Design Flow: 2200
GENERAL SYSTEM TYPE: STAND Comm 1 NO TEST

Owner: Sunset Harbor Townhomes

Fold Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 05/12/2017 - Inspection Type: ROUTINE - Correction Status: Corrections in progress

Company:	*Work Performed By:*	*Submitted 06/05/2017 by:*
Septic Check	Blesener Dave	Angie Tvedt

Fold Here

COMMENTS & GENERAL INSPECTION NOTES

Deficiencies Were Noted: Corrections are in progress.

Septic Check recommends to have the septic tank #2 pumped out. The risers leak on the septic tank for cabins 15&16, Septic Check recommends to have them dug up and re-sealed so they are water tight. Please call Septic Check to schedule pumping and a repair estimate. 320-983-2447

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	NO - *In Progress*
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Septic Tank - 1 Compartment Tank #1 North Septic tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	4"	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #2 West Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	12"	
Compartment 1 Sludge accumulation (Inches, if other specify):	18"	
Pumping recommended:	YES	
TANK: Septic Tank - 1 Compartment Tank #3 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	2"	
Compartment 1 Sludge accumulation (Inches, if other specify):	2"	
Pumping recommended:	NO	

TANK: Septic Tank - 1 Compartment Tank #4 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1"	
Compartment 1 Sludge accumulation (Inches, if other specify):	8"	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #5 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1"	
Compartment 1 Sludge accumulation (Inches, if other specify):	4"	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #6 Septic Tank 1250 gal		
This component was:	Not Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	6"	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #7 East Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1"	
Compartment 1 Sludge accumulation (Inches, if other specify):	6"	
Pumping recommended:	NO	
TANK: Pump Tank Drainfield dose tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	3"	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	135	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	N/A	
Media Filter: Mound 4 10' x 81' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Ponding present? If YES explain in comments:	NO	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	
TANK: Septic Tank - 1 Compartment System 2 Tank #1 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1"	
Compartment 1 Sludge accumulation (Inches, if other specify):	1"	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	

Pump: *Effluent Pump Drainfield dose pump*		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
TANK: *Pump Tank System 2 pump tank 1000 gal*		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	4"	
Pumping recommended:	NO	
Panel: *Control - 2 Pumps Drainfield dose panel*		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	378.08	
Pump 1: Cycle Count (override in parentheses - if present):	5187	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	407.31	
Pump 2: Cycle Count (override in parentheses - if present):	5158	
Media Filter: *Mound 2 10' x 92' Rockbeds*		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Ponding present? If YES explain in comments:	NO	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	

SAMPLING REPORT

Location: 33176 170th Avenue
Isle
16-1-120100

Owner: Sunset Harbor Townhomes
Use: Community

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Laboratory:Septic Check Flow Chart

Sample Date: 05/12/2017 **Sample entered by: Angie Tvedt** **Report submitted: 06/05/2017**

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Pump Tank System 2 pump tank 1000 gal	Effluent	Flow system 2	2200 gpd	333.5

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING
209 Second Street, NW Room# 100
Aitkin, Minnesota 56431
PH: (218) 927-7342
FX: (218) 927-4372

4/3/2019

Sunset Harbor Townhome Associa
PO Box 907
Isle, MN 56342-

Re: Operating Permit # 105 Phase I
Zoning Permit #32600
Parcel ID#16-1-120201

Dear Permittee:

This letter is to remind you that the Operating Permit for the septic system at the above mentioned parcel is due for renewal this year by May 31st . The enclosed Operating Permit was issued as part of the permit for your septic system and must be renewed.

The Operating Permit for the current renewal period has been enclosed. If there are no changes to the Operating Permit, please submit the following to the County Office:

rec'd 4-15-19

- ☑ the signed Operating Permit Contract
- ☑ $100 permit renewal fee ($150 fee after May 31st)
- ☑ the results of performance and maintenance activities
- ☑ a table of your water usage

We have checked all boxes above for information we have received. Please note, only complete applications will be accepted.

If your designer finds the system is operating in conformance with the Operating Permit, please have him/her submit a letter requesting to have the Operating Permit renewed for a longer period or to request terminating the Operating Permit. Our Office will determine if this is possible.

The performance and life expectancy of this septic system is dependent on regular monitoring and maintenance of all parts of the system. Your compliance with the Operating Permit will ensure continued performance of the system. Failure to perform the monitoring and maintenance of this system could cause costly repairs and/or replacement of this system. In addition, failure to comply with the monitoring, maintenance and reporting of the septic system is a violation of the Aitkin County's Subsurface Sewage Treatment System Ordinance and could be prosecuted by the County Attorney's Office.

All information required must be submitted to this Office by the expiration date referenced on your Operating Permit. We are notifying you to give you sufficient time to contact your designer and make any necessary changes, have samples taken and tested, tanks pumped, and any other activities that were required to meet the requirements of your permit.

Please contact our office with any questions regarding the renewal of this permit.

Sincerely,

Aitkin County Planning & Zoning

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING
209 Second Street, NW Room# 100
Aitkin, Minnesota 56431
PH: (218) 927-7342
FX: (218) 927-4372

4/3/2019

Sunset Harbor Townhome Assoc.
PO BOX 907
ISLE, MN 56342-

Re: Operating Permit # 370 Phase II
Zoning Permit #38026
Parcel ID#16-1-120201

Dear Permittee:

This letter is to remind you that the Operating Permit for the septic system at the above mentioned parcel is due for renewal this year by May 31st . The enclosed Operating Permit was issued as part of the permit for your septic system and must be renewed.

The Operating Permit for the current renewal period has been enclosed. If there are no changes to the Operating Permit, please submit the following to the County Office:

Note from Roberta

per conversation recd 4-15-19 with Pete 4-9-19

- ☑ the signed Operating Permit Contract
- ☐ $100 permit renewal fee ($150 fee after May 31st)
- ☑ the results of performance and maintenance activities
- ☑ a table of your water usage

We have checked all boxes above for information we have received. Please note, only complete applications will be accepted.

If your designer finds the system is operating in conformance with the Operating Permit, please have him/her submit a letter requesting to have the Operating Permit renewed for a longer period or to request terminating the Operating Permit. Our Office will determine if this is possible.

The performance and life expectancy of this septic system is dependent on regular monitoring and maintenance of all parts of the system. Your compliance with the Operating Permit will ensure continued performance of the system. Failure to perform the monitoring and maintenance of this system could cause costly repairs and/or replacement of this system. In addition, failure to comply with the monitoring, maintenance and reporting of the septic system is a violation of the Aitkin County's Subsurface Sewage Treatment System Ordinance and could be prosecuted by the County Attorney's Office.

All information required must be submitted to this Office by the expiration date referenced on your Operating Permit. We are notifying you to give you sufficient time to contact your designer and make any necessary changes, have samples taken and tested, tanks pumped, and any other activities that were required to meet the requirements of your permit.

Please contact our office with any questions regarding the renewal of this permit.

Sincerely,

Aitkin County Planning & Zoning

8/2/2018

2019 Renewal

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Done

Mail To: Sunset Harbor Townhomes
P.O. Box 907
Isle, MN
56342

PROPERTY INFORMATION

Sunset Harbor Townhomes
Location: 33176 170th Avenue
Isle
Tax ID: 16-1-120100

Use: Commercial, Community (20 bdrm)
System Design Flow: 2200
GENERAL SYSTEM TYPE: STAND Comm 1 NO TEST

Fold Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Fold Here

Inspected: 07/05/2018 - Inspection Type: ROUTINE - Correction Status: Corrections in progress

Company:	*Work Performed By:*	*Submitted 08/02/2018 by:*
Septic Check	Blesener Dave	Abbie Gobel

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

I recommend the following updates: Riser behind 13-14 needs to be replaced with 1 foot of 24 inch ultra rib and a new lid. The lift station behind 15-16 needs 6 feet of 24 inch ultra rib and a new lid.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Septic Tank - 1 Compartment Tank #1 North Septic tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	4	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #2 West Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	3	
Compartment 1 Sludge accumulation (Inches, if other specify):	6	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #3 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	4	
Pumping recommended:	NO	

TANK: Septic Tank - 1 Compartment Tank #4 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #5 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	6	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #6 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	2	
Compartment 1 Sludge accumulation (Inches, if other specify):	6	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #7 East Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #8 Septic Tank 1250		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	9	
Pumping recommended:	NO	
TANK: Pump Tank Drainfield dose tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	481.52	
Pump 1: Cycle Count (override in parentheses - if present):	6442	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	522.48	
Pump 2: Cycle Count (override in parentheses - if present):	6409	
Media Filter: Mound 4 10' x 81' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Ponding present? If YES explain in comments:	NO	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	

TANK: Septic Tank - 1 Compartment System 2 Tank #1 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	3	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
TANK: Pump Tank System 2 pump tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	3	
Pumping recommended:	NO	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	137	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	137	
Media Filter: Mound 2 10' x 92' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Lateral lines flushed:	NO	
Ponding present? If YES explain in comments:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	

AITKIN COUNTY ENVIRONMENTAL SERVICES
OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL RENEWAL

ISSUANCE DATE: 5 /31/2019
RENEWAL PERIOD: ANNUALLY

OPERATING PERMIT #: 105
ZONING PERMIT #: 32600
PARCEL #: 16-1-120201

PERMITTEE: Sunset Harbor Townhome Association

TELEPHONE: (612) 239-4078

MAILING ADDRESS:
PO Box 907
Isle, MN 56342-

PROPERTY ADDRESS:
32944 170th Ln
Isle, MN 56342

LEGAL DESCRIPTION: LOT 1 BLOCK 1 SUNSET HARBOR ADDITION

Aitkin County Environmental Services authorizes the Permittee to operate a wastewater treatment and dispersal system located on the above described property in accordance with the requirements of this permit.

This permit is effective on the issuance date identified above.

This permit and the authorization to treat and disperse from the above system is valid through the renewal period identified above. The Permittee is not authorized to discharge after the renewal period. The Permittee shall submit such information and forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the expiration date. When the required information is submitted and approved by Aitkin County Environmental Services, the permit may be renewed. This permit is not transferable from owner to owner.

I hereby certify with my signature as the permittee that I understand the provisions of this permit including the maintenance and monitoring requirements. I agree to indemnify and hold Aitkin County harmless from all loss, damages, costs and charges that may be incurred by use of this system and if I fail to comply with the provisions of this Operating Permit. If I sell this property during the life of the permit, I will inform the new owner(s) of the permit requirements and the need to renew the permit.

K. Aronson — 4-9-19
Signature of Permittee — **Date**

Shannon W. — 4-16-19
Signature of Permitting Authority — **Date**

If you have any questions regarding this permit, including the specific permit requirements, permit reporting or permit compliance status, please contact Aitkin County Environmental Services at 218-927-7342.

AITKIN COUNTY ENVIRONMENTAL SERVICES
OPERATING PERMIT FOR WASTEWATER TREATMENT AND DISPERSAL RENEWAL

ISSUANCE DATE: 5 /31/2019
RENEWAL PERIOD: ANNUALLY

OPERATING PERMIT #: 370
ZONING PERMIT #: 38026
PARCEL #: 16-1-120201

PERMITTEE: Sunset Harbor Townhome Assoc.

TELEPHONE: (612) 978-2585

MAILING ADDRESS:
PO BOX 907
ISLE, MN 56342-

PROPERTY ADDRESS:
Unknown
Unknown, MN

LEGAL DESCRIPTION: LOT 21 (COMMONS AREA)

Aitkin County Environmental Services authorizes the Permittee to operate a wastewater treatment and dispersal system located on the above described property in accordance with the requirements of this permit.

This permit is effective on the issuance date identified above.

This permit and the authorization to treat and disperse from the above system is valid through the renewal period identified above. The Permittee is not authorized to discharge after the renewal period. The Permittee shall submit such information and forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the expiration date. When the required information is submitted and approved by Aitkin County Environmental Services, the permit may be renewed. This permit is not transferable from owner to owner.

I hereby certify with my signature as the permittee that I understand the provisions of this permit including the maintenance and monitoring requirements. I agree to indemnify and hold Aitkin County harmless from all loss, damages, costs and charges that may be incurred by use of this system and if I fail to comply with the provisions of this Operating Permit. If I sell this property during the life of the permit, I will inform the new owner(s) of the permit requirements and the need to renew the permit.

R. Aronson — 4-9-19
Signature of Permittee — **Date**

Shannon W. — 4-16-19
Signature of Permitting Authority — **Date**

If you have any questions regarding this permit, including the specific permit requirements, permit reporting or permit compliance status, please contact Aitkin County Environmental Services at 218-927-7342.

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING
209 Second Street, NW Room# 100
Aitkin, Minnesota 56431
PH: (218) 927-7342
FX: (218) 927-4372

4/16/2019

Sunset Harbor Townhome Associ
PO Box 907
Isle, MN 56342-

Re: Operating Permit # 105
Zoning Permit # 32600
Parcel # 16-1-120201

Dear Permittee:

This letter is to inform you that your Operating Permit has been renewed until 5/31/2022 .

Please adhere to your monitoring and maintenance contract including monitoring your water use. Failure to do so would violate the agreement to operate your system and could void the operating permit. You should contact your Operation and Maintenance provider directly with questions that you may have during the year.

Thank you for your good stewardship and we hope that your system continues to operate well, protecting groundwater for you and the environment.

Sincerely,

Shannon W.

Aitkin County Planning & Zoning

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING
209 Second Street, NW Room# 100
Aitkin, Minnesota 56431
PH: (218) 927-7342
FX: (218) 927-4372

4/18/2019

Sunset Harbor Townhome Assoc.
PO BOX 907
ISLE, MN 56342-

Re: Operating Permit # 370
Zoning Permit # 38026
Parcel # 16-1-120201

Dear Permittee:

This letter is to inform you that your Operating Permit has been renewed until 5/31/2022 .

Please adhere to your monitoring and maintenance contract including monitoring your water use. Failure to do so would violate the agreement to operate your system and could void the operating permit. You should contact your Operation and Maintenance provider directly with questions that you may have during the year.

Thank you for your good stewardship and we hope that your system continues to operate well, protecting groundwater for you and the environment.

Sincerely,

Shannon W.

Aitkin County Planning & Zoning

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Sunset Harbor Townhomes
P.O. Box 907
Isle, MN
56342

PROPERTY INFORMATION

Sunset Harbor Townhomes
Location: 33176 170th Avenue
Isle
Tax ID: 16-1-120100

Use: Commercial, Community (20 bdrm)
System Design Flow: 2200
GENERAL SYSTEM TYPE: STAND Comm 1 NO TEST

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ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Fold Here

Inspected: 07/29/2019 - Inspection Type: ROUTINE - Correction Status: No corrections made

Company:	Work Performed By:	Submitted 08/15/2019 by:
Septic Check	Blesener Dave	Abbie Gobel

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

Technician recommendations: Need to pump both the pump tanks and replace two concrete lids on system #2.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Septic Tank - 1 Compartment Tank #1 North Septic tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	4	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #2 West Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	6	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #3 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	

TANK: Septic Tank - 1 Compartment Tank #4 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	8	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #5 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	6	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #6 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	4	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #7 East Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	3	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #8 Septic Tank 1250		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	4	
Pumping recommended:	NO	
TANK: Pump Tank Drainfield dose tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	6	
Pumping recommended:	YES	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	560.21	
Pump 1: Cycle Count (override in parentheses - if present):	7343	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	368.12	
Pump 2: Cycle Count (override in parentheses - if present):	7304	
Media Filter: Mound 4 10' x 81' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Lateral lines flushed:	NO	
Ponding present? If YES explain in comments:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	

TANK: Septic Tank - 1 Compartment System 2 Tank #1 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	N/A	
TANK: Pump Tank System 2 pump tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	6	
Pumping recommended:	YES	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	N/A	
Pump 1: off hours (override in parentheses - if present):	N/A	
Pump 1: gallons per dose (override in parentheses - if present):	N/A	
Pump 1: ETM hours (override in parentheses - if present):	N/A	
Pump 1: Cycle Count (override in parentheses - if present):	239	
Pump 2: on minutes (override in parentheses - if present):	N/A	
Pump 2: off hours (override in parentheses - if present):	N/A	
Pump 2: gallons per dose (override in parentheses - if present):	N/A	
Pump 2: ETM hours (override in parentheses - if present):	N/A	
Pump 2: Cycle Count (override in parentheses - if present):	N/A	
Media Filter: Mound 2 10' x 92' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Lateral lines flushed:	NO	
Ponding present? If YES explain in comments:	NO	
Average squirt height (if performed) (feet, if other specify):	N/A	

SAMPLING REPORT

12/27/2019

Location: 33176 170th Avenue
Isle
16-1-120100

Owner: Sunset Harbor Townhomes
Use: Community

Service Company:
Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 07/29/2019 **Sample entered by: Heather Johnson** **Report submitted: 12/09/2019**

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Pump Tank Drainfield dose tank 1000 gal	Effluent	Flow system 1	3900 gpd	289.5

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

32600

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Sunset Harbor Townhomes
P.O. Box 907
Isle, MN
56342

PROPERTY INFORMATION

Sunset Harbor Townhomes
Location: 33176 170th Avenue
Isle
Tax ID: 16-1-120100

Use: Commercial, Community (20 bdrm)
System Design Flow: 2200
GENERAL SYSTEM TYPE: STAND Comm 1 NO TEST

Fold Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Fold Here

Inspected: 07/20/2020 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:	Work Performed By:	Submitted 07/27/2020 by:
Septic Check	Blesener Dave	Heather Johnson

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Septic Tank - 1 Compartment Tank #1 North Septic tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	01	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #2 West Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #3 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	

TANK: Septic Tank - 1 Compartment Tank #4 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #5 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #6 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #7 East Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #8 Septic Tank 1250		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
TANK: Pump Tank Drainfield dose tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	NA	
Pump 1: off hours (override in parentheses - if present):	NA	
Pump 1: gallons per dose (override in parentheses - if present):	NA	
Pump 1: ETM hours (override in parentheses - if present):	637.50	
Pump 1: Cycle Count (override in parentheses - if present):	8160	
Pump 2: on minutes (override in parentheses - if present):	NA	
Pump 2: off hours (override in parentheses - if present):	NA	
Pump 2: gallons per dose (override in parentheses - if present):	NA	
Pump 2: ETM hours (override in parentheses - if present):	735.30	
Pump 2: Cycle Count (override in parentheses - if present):	8120	
Media Filter: Mound 4 10' x 81' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Lateral lines flushed:	NO	
Ponding present? If YES explain in comments:	NO	
Average squirt height (if performed) (feet, if other specify):	NA	

TANK: Septic Tank - 1 Compartment System 2 Tank #1 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
TANK: Pump Tank System 2 pump tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	NA	
Pump 1: off hours (override in parentheses - if present):	NA	
Pump 1: gallons per dose (override in parentheses - if present):	NA	
Pump 1: ETM hours (override in parentheses - if present):	NA	
Pump 1: Cycle Count (override in parentheses - if present):	NA	
Pump 2: on minutes (override in parentheses - if present):	NA	
Pump 2: off hours (override in parentheses - if present):	NA	
Pump 2: gallons per dose (override in parentheses - if present):	NA	
Pump 2: ETM hours (override in parentheses - if present):	NA	
Pump 2: Cycle Count (override in parentheses - if present):	330	
Media Filter: Mound 2 10' x 92' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Ponding present? If YES explain in comments:	NO	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	NA	

SAMPLING REPORT

Location: 33176 170th Avenue
Isle
16-1-120100

Owner: Sunset Harbor Townhomes
Use: Community

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 07/20/2020 **Sample entered by: Heather Johnson** **Report submitted: 07/27/2020**

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Pump Tank Drainfield dose tank 1000 gal	Effluent	Flow system 1	3900 gpd	286.1

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

32600

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

PROPERTY INFORMATION

Sunset Harbor Townhomes
Location: 33176 170th Avenue
Isle
Tax ID: 16-1-120100

Use: Commercial, Community (20 bdrm)
System Design Flow: 2200
GENERAL SYSTEM TYPE: STAND Comm 1 NO TEST

Mail To: Sunset Harbor Townhomes
P.O. Box 907
Isle, MN
56342

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ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Inspected: 07/02/2021 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:	Work Performed By:	Submitted 07/08/2021 by:
Septic Check	Lucas Caldwell	Heather Johnson

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COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Septic Tank - 1 Compartment Tank #1 North Septic tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #2 West Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #3 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	

TANK: Septic Tank - 1 Compartment Tank #4 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #5 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #6 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #7 East Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank #8 Septic Tank 1250		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
TANK: Pump Tank Drainfield dose tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	NA	
Pump 1: off hours (override in parentheses - if present):	NA	
Pump 1: gallons per dose (override in parentheses - if present):	NA	
Pump 1: ETM hours (override in parentheses - if present):	704.34	
Pump 1: Cycle Count (override in parentheses - if present):	8844	
Pump 2: on minutes (override in parentheses - if present):	NA	
Pump 2: off hours (override in parentheses - if present):	NA	
Pump 2: gallons per dose (override in parentheses - if present):	NA	
Pump 2: ETM hours (override in parentheses - if present):	864.50	
Pump 2: Cycle Count (override in parentheses - if present):	8800	
Media Filter: Mound 4 10' x 81' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Lateral lines flushed:	NO	
Ponding present? If YES explain in comments:	NO	
Average squirt height (if performed) (feet, if other specify):	NA	

TANK: Septic Tank - 1 Compartment System 2 Tank #1 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	NA	
TANK: Pump Tank System 2 pump tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	NA	
Pump 1: off hours (override in parentheses - if present):	NA	
Pump 1: gallons per dose (override in parentheses - if present):	NA	
Pump 1: ETM hours (override in parentheses - if present):	NA	
Pump 1: Cycle Count (override in parentheses - if present):	371	
Pump 2: on minutes (override in parentheses - if present):	NA	
Pump 2: off hours (override in parentheses - if present):	NA	
Pump 2: gallons per dose (override in parentheses - if present):	NA	
Pump 2: ETM hours (override in parentheses - if present):	NA	
Pump 2: Cycle Count (override in parentheses - if present):	NA	
Media Filter: Mound 2 10' x 92' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Lateral lines flushed:	NO	
Ponding present? If YES explain in comments:	NO	
Average squirt height (if performed) (feet, if other specify):	NA	

SAMPLING REPORT

Location: 33176 170th Avenue
Isle
16-1-120100

Owner: Sunset Harbor Townhomes
Use: Community

Service Company:
Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 07/02/2021 **Sample entered by: Heather Johnson** **Report submitted: 07/08/2021**

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Pump Tank Drainfield dose tank 1000 gal	Effluent	Flow system 1	3900 gpd	246.4

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING
307 Second St NW, Room 219
Aitkin, Minnesota 56431
(P): (218) 927-7342
(F): (218) 927-4372
(E): aitkinpz@co.aitkin.mn.us

8/2/2022

Sunset Harbor Townhome Association
PO Box 907
Isle, MN 56342

Re: Operating Permit # 105
Zoning Permit # 32600
Parcel ID# 16-1-120201

Dear Permittee:

This letter is to remind you that the Operating Permit for the septic system at the above mentioned parcel is due for renewal this year by September 30th. The enclosed Operating Permit was issued as part of the permit for your septic system and must be renewed.

The Operating Permit for the current renewal period is enclosed. If there are no changes to the current Operating Permit, please submit all of the following to the County Office to renew the Operating Permit: (If any boxes below are checked, then we have received that item.)

- ☐ Signed Operating Permit (enclosed)
- ☐ $150 permit renewal fee (a $50 late fee will apply if not paid by 9/30/22)
- ☑ Monitoring and maintenance activities report by Service Provider
- ☑ A table of your water usage

If your designer finds the system is operating in conformance with the Operating Permit, please have him/her submit a letter requesting to have the Operating Permit renewed for a longer period or to request terminating the Operating Permit. Our Office will determine if this is possible.

The performance and life expectancy of this septic system is dependent on regular monitoring and maintenance of all parts of the system. Your compliance with the Operating Permit will ensure continued performance of the system. Failure to perform the monitoring and maintenance of this system could cause costly repairs and/or replacement of this system. In addition, failure to comply with the monitoring, maintenance and reporting of the septic system is a violation of the Aitkin County's Subsurface Sewage Treatment System Ordinance and could be prosecuted by the County Attorney's Office.

All information required must be submitted to this Office by the expiration date referenced on your Operating Permit. We are notifying you to give you sufficient time to contact your Service Provider and make any necessary changes, have samples taken and tested, tanks pumped, and any other activities that were required to meet the requirements of your permit.

Please contact our office with any questions regarding the renewal of this permit.

Sincerely,

Aitkin County Planning & Zoning

Invoice #55936 (08/19/2022)

2. Zoning/Land Use Permit Applications Misc. (OFFICE USE ONLY) App. # App-2022-009387, UID # 206172

Sunset Harbor Townhome Assoc

(000) 000-0000

PO Box 907, Isle, MN 56342

Aitkin County Planning & Zoning / Environmental Services
307 Second St. NW Room 219
Aitkin, MN 56431
Phone: 218-927-7342
Fax: 218-927-4372
Email: aitkinpz@co.aitkin.mn.us

Charge	Cost	Quantity	Total	Note
Operating Permit Renewal added 08/19/2022 12:38 PM $150	$150.00	x 1	$150.00	
Grand Total				
		Total	**$150.00**	

Payment #50024

Method:	Check		3044
Date:	08/19/2022	**Note:**	Auto-generated in application
Made By:	Sunset Harbor Townhome Assoc		OP# 105
Confirmed By:	Kim Burton		

TREATMENT AND DISPERSAL RENEWAL

ISSUANCE DATE:
9/30/2022
RENEWAL PERIOD:
3 YEAR

OPERATING PERMIT #: 105
ZONING PERMIT #: 32600
PARCEL #: 16-1-120201

PERMITEE:

Sunset Harbor Townhome Association

MAILING ADDRESS:

PO Box 907
Isle, MN 56342

Aitkin County Environmental Services authorizes the Permittee to operate a wastewater treatment and dispersal system located on the above described property in accordance with the requirements of this permit.

This permit is effective on the issuance date identified above.

This permit and the authorization to treat and disperse from the above system is valid through the renewal period identified above. The Permittee is not authorized to discharge after the renewal period. The Permittee shall submit such information and forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the expiration date. When the required information is submitted and approved by Aitkin County Environmental Services, the permit may be renewed. This permit is not transferable from owner to owner.

If you have any questions regarding this permit, including the specific permit requirements, reporting, monitoring or permit compliance status, please contact Aitkin County Environmental Services at 218-927-7342.

I hereby certify with my signature as the permittee that I understand the provisions of this permit including the maintenance and monitoring requirements. I agree to indemnify and hold Aitkin County harmless from all loss, damages, costs and charges that may be incurred by use of this system and if I fail to comply with the provisions of this Operating Permit. If I sell this property during the life of the permit, I will inform the new owner(s) of the permit requirements and the need to renew the permit.

Signature of Permittee R. Aronson **Date** 8-16-22

Signature of Permitting Authority Shannon W. **Date** 8-22-22

AITKIN COUNTY ENVIRONMENTAL SERVICES-PLANNING & ZONING
307 Second Street, NW Room# 219
Aitkin, Minnesota 56431
PH: (218) 927-7342
FX: (218) 927-4372

8/22/2022

Sunset Harbor Townhome Association
PO Box 907
Isle, MN 56342

Re: Operating Permit # 105
Zoning Permit # 32600
Parcel # 16-1-120201

Dear Permittee:

This letter is to inform you that your Operating Permit has been renewed until 9/30/2025 .

Please adhere to your monitoring and maintenance contract including monitoring your water use. Failure to do so would violate the agreement to operate your system and could void the operating permit. You should contact your Operation and Maintenance provider directly with questions that you may have during the year.

Thank you for your good stewardship and we hope that your system continues to operate well, protecting groundwater for you and the environment.

Sincerely,

Shannon W.

Aitkin County Planning & Zoning

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Sunset Harbor Townhomes
P.O. Box 907
Isle, MN
56342

PROPERTY INFORMATION

Sunset Harbor Townhomes
Location: 33176 170th Avenue
Isle
Tax ID: 16-1-120100

Use: Commercial, Community (20 bdrm)
System Design Flow: 2200
GENERAL SYSTEM TYPE: STAND Comm 1 NO TEST

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ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Fold Here

Inspected: 06/28/2022 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:	*Work Performed By:*	*Submitted 06/29/2022 by:*
Septic Check	Michael Pederson	Heather Johnson

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Septic Tank - 1 Compartment Tank 1 North Septic tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank 2 West Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank 3 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	3	
Pumping recommended:	NO	

TANK: Septic Tank - 1 Compartment Tank 4 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	6	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank 5 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank 6 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank 7 East Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	8	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank 8 Septic Tank 1250		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	3	
Pumping recommended:	NO	
TANK: Pump Tank Drainfield dose tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	-	
Pump 1: off hours (override in parentheses - if present):	-	
Pump 1: gallons per dose (override in parentheses - if present):	-	
Pump 1: ETM hours (override in parentheses - if present):	781.18	
Pump 1: Cycle Count (override in parentheses - if present):	9532	
Pump 2: on minutes (override in parentheses - if present):	-	
Pump 2: off hours (override in parentheses - if present):	-	
Pump 2: gallons per dose (override in parentheses - if present):	-	
Pump 2: ETM hours (override in parentheses - if present):	1009.04	
Pump 2: Cycle Count (override in parentheses - if present):	9484	
Media Filter: Mound 4 10' x 81' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Ponding present? If YES explain in comments:	NO	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	-	

TANK: Septic Tank - 1 Compartment System 2 Tank 1 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
TANK: Pump Tank System 2 pump tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	-	
Pump 1: off hours (override in parentheses - if present):	-	
Pump 1: gallons per dose (override in parentheses - if present):	-	
Pump 1: ETM hours (override in parentheses - if present):	-	
Pump 1: Cycle Count (override in parentheses - if present):	482	
Pump 2: on minutes (override in parentheses - if present):	-	
Pump 2: off hours (override in parentheses - if present):	-	
Pump 2: gallons per dose (override in parentheses - if present):	-	
Pump 2: ETM hours (override in parentheses - if present):	-	
Pump 2: Cycle Count (override in parentheses - if present):	-	
Media Filter: Mound 2 10' x 92' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Lateral lines flushed:	NO	
Ponding present? If YES explain in comments:	NO	
Average squirt height (if performed) (feet, if other specify):	-	

SAMPLING REPORT

Location: 33176 170th Avenue
Isle
16-1-120100

Owner: Sunset Harbor Townhomes
Use: Community

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 06/28/2022 **Sample entered by: Heather Johnson** **Report submitted: 06/29/2022**

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Pump Tank Drainfield dose tank 1000 gal	Effluent	Flow system 1	3900 gpd	238.2

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.

Septic Check

6074 Keystone Rd
Milaca, MN 56353

320-983-2447
Fax: 320-983-2151

Mail To: Sunset Harbor Townhomes
P.O. Box 907
Isle, MN
56342

PROPERTY INFORMATION

Location: 33176 170th Avenue
Isle
Tax ID: 16-1-120100

Use: Commercial, Community (20 bdrm)
System Design Flow: 2200
GENERAL SYSTEM TYPE: STAND Comm 1 NO TEST

Fold Here

ON-SITE WASTEWATER TREATMENT SYSTEM INSPECTION REPORT

Fold Here

Inspected: 08/10/2023 - Inspection Type: ROUTINE - Correction Status: No corrections needed

Company:	*Work Performed By:*	*Submitted 08/16/2023 by:*
Septic Check	Kyle Wade	Heather Johnson

COMMENTS & GENERAL INSPECTION NOTES

No Deficiencies Noted

The visual alarm for system 2 was not working.
I replaced it with one that does work.
Everything else looks great.

GENERAL SITE & SYSTEM CONDITIONS

The General Site and System Conditions were:	Fully Inspected
Components accessible for service:	YES
All required service performed (if no - specify omitted inspection items in notes):	YES
Surfacing effluent from any component (including mound seepage):	NO
Components appear to be watertight - no visual leaks:	YES
Improper encroachment (structures/impervious surfaces); cover; or settling problems observed:	NO

ONSITE SEWAGE SYSTEM INSPECTION DETAIL

TANK: Septic Tank - 1 Compartment Tank 1 North Septic tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank 2 West Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank 3 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank 4 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	3	
Pumping recommended:	NO	

TANK: Septic Tank - 1 Compartment Tank 5 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	1	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank 6 Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	
TANK: Septic Tank - 1 Compartment Tank 7 East Septic Tank 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	1	
Compartment 1 Sludge accumulation (Inches, if other specify):	3	
Pumping recommended:	NO	
TANK: Pump Tank Drainfield dose tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	-	
Pump 1: off hours (override in parentheses - if present):	-	
Pump 1: gallons per dose (override in parentheses - if present):	-	
Pump 1: ETM hours (override in parentheses - if present):	867.08	
Pump 1: Cycle Count (override in parentheses - if present):	10241	
Pump 2: on minutes (override in parentheses - if present):	-	
Pump 2: off hours (override in parentheses - if present):	-	
Pump 2: gallons per dose (override in parentheses - if present):	-	
Pump 2: ETM hours (override in parentheses - if present):	1153.14	
Pump 2: Cycle Count (override in parentheses - if present):	10189	
Media Filter: Mound 4 10' x 81' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Lateral lines flushed:	NO	
Ponding present? If YES explain in comments:	NO	
Average squirt height (if performed) (feet, if other specify):	-	
TANK: Septic Tank - 1 Compartment System 2 Tank 1 1250 gal		
This component was:	Fully Inspected	
Effluent level within operational limits (if NO explain in comments):	YES	
All required baffles in place (N/A = No baffles required):	YES	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	2	
Pumping recommended:	NO	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
Pump: Effluent Pump Drainfield dose pump		
This component was:	Fully Inspected	
Controls functioning:	YES	
Tested gallons per minute flow:	-	
TANK: Pump Tank System 2 pump tank 1000 gal		
This component was:	Fully Inspected	
Compartment 1 Scum accumulation (Inches, if other specify):	0	
Compartment 1 Sludge accumulation (Inches, if other specify):	0	
Pumping recommended:	NO	

Panel: Control - 2 Pumps Drainfield dose panel		
This component was:	Fully Inspected	
Panel functioning (including alarm):	YES	
Pump 1: on minutes (override in parentheses - if present):	-	
Pump 1: off hours (override in parentheses - if present):	-	
Pump 1: gallons per dose (override in parentheses - if present):	-	
Pump 1: ETM hours (override in parentheses - if present):	-	
Pump 1: Cycle Count (override in parentheses - if present):	591	
Pump 2: on minutes (override in parentheses - if present):		
Pump 2: off hours (override in parentheses - if present):	-	
Pump 2: gallons per dose (override in parentheses - if present):	-	
Pump 2: ETM hours (override in parentheses - if present):	-	
Pump 2: Cycle Count (override in parentheses - if present):	-	
Media Filter: Mound 2 10' x 92' Rockbeds		
This component was:	Fully Inspected	
Slope integrity maintained:	YES	
Ponding present? If YES explain in comments:	NO	
Lateral lines flushed:	NO	
Average squirt height (if performed) (feet, if other specify):	-	

SAMPLING REPORT

Location: 33176 170th Avenue
Isle
16-1-120100

Owner: Sunset Harbor Townhomes
Use: Community

Service Company:

Septic Check
6074 Keystone Rd
Milaca, MN 56353
320-983-2447

Sample Date: 08/10/2023 **Sample entered by: Heather Johnson** **Report submitted: 08/16/2023**

Notes:

ONSITE SEWAGE SYSTEM SAMPLING DETAIL

COMPONENT	TYPE	SAMPLE	LIMIT	RESULT
Pump Tank System 2 pump tank 1000 gal	Effluent	Flow system 2	2200 gpd	217.2

This report indicates certain characteristics of the sample taken at the time of visit. In no way is this report a guarantee of operation or future performance.