OFFICE USE ONLY

PROPERTY LEGAL DESCRIPTION T12 R71 S32 Tax Schedule #: 37775

PHYSICAL ADDRESS 39 Hwy 24 LAKE GEORGE

APPLICATION FOR SEPTIC AND DRIVEWAY INSTALLATION

PARK COUNTY ENVIRONMENTAL HEALTH DEPARTMENT • P.O. Box 216 • Fairplay, CO 80440
Main Phone: 719-836-4267 FAX: 719-836-4266 Web site: www.parkco.us

PLEASE CHECK ALL THAT APPLY:

☒ Complete Septic System ☒ Driveway ☐ Undocumented Septic
☐ Septic Tank repair/Upgrade ☐ Leach Field Repair/Upgrade
☐ Full Septic Repair/Upgrade ☐ Driveway Registration

OFFICE USE ONLY

Ck# CC Amt. Pd: 673.-
Septic 523.- Driveway 150.-
Septic App.# 17RES-335
Driveway App.# 17DRV-344
Received By RM Date 11.15.17
County Design? ☐
Engineer G. BIESKE
Of
Date Permit Issued 11.20.17

Renewal Date:
Amt. Pd Ck#

1. **Applicant's Name** Advantage Log Homes
Address PO Box 5432
City Woodland Park State CO Zip 80866
Phones: Home Work 719-687-0680
May we e-mail the permit to you? E-Mail advloghomes@aol.com
FAX

Owner's Name Peter + Cynthia Kovacevich
Address 229 Splintered Arrow Dr.
City La Marque State TX Zip 77568
Phones: Home 409.795.0589 Work
May we e-mail or fax the permit to you?
E-Mail Address
FAX

2. **PROPERTY INFORMATION**
Subdivision Filing ___ Unit ___ Block ___ Lot ___
If not in a subdivision (Meetes & Bounds): Township 12 Range 71 Section 32
(Must List Only One Lot/Parcel)
Property Physical Address 39 Hwy 24 City Lake George Zip 80827
Acreage 40 # Proposed Bedrooms 2 Type of Structure (Residence, etc.) residence

3. **WATER INFORMATION (Not applicable for driveway only)**
Private well X Public system Other
Is property close to a stream? Y X N If Yes, distance 350'±
Is property close to a wetland, drainage, or floodplain? Y X N If yes, distance 350±
If in a floodplain, list flood zone determination per FEMA mapping PUBHh - freshwater pond

4. **SEPTIC SYSTEM AND/OR DRIVEWAY TO BE INSTALLED BY**: Name Jerry Jenkins
License # Contractor's Phone # 719-649-3281

THE UNDERSIGNED ACKNOWLEDGES THAT THE ABOVE INFORMATION IS TRUE AND CORRECT AND THAT FALSE INFORMATION WILL NEGATE AND INVALIDATE THE APPLICATION AND/OR THE SUBSEQUENT PERMIT. A SEPTIC PERMIT IS NOT TRANSFERABLE TO ANY OTHER LOT. ***THIS PERMIT IS VALID FOR ONE YEAR AFTER THE DATE OF ISSUANCE.***

OWNER/APPLICANT
SIGNATURE DATE

OFFICE USE ONLY: FINAL INSPECTION AND APPROVAL INFORMATION

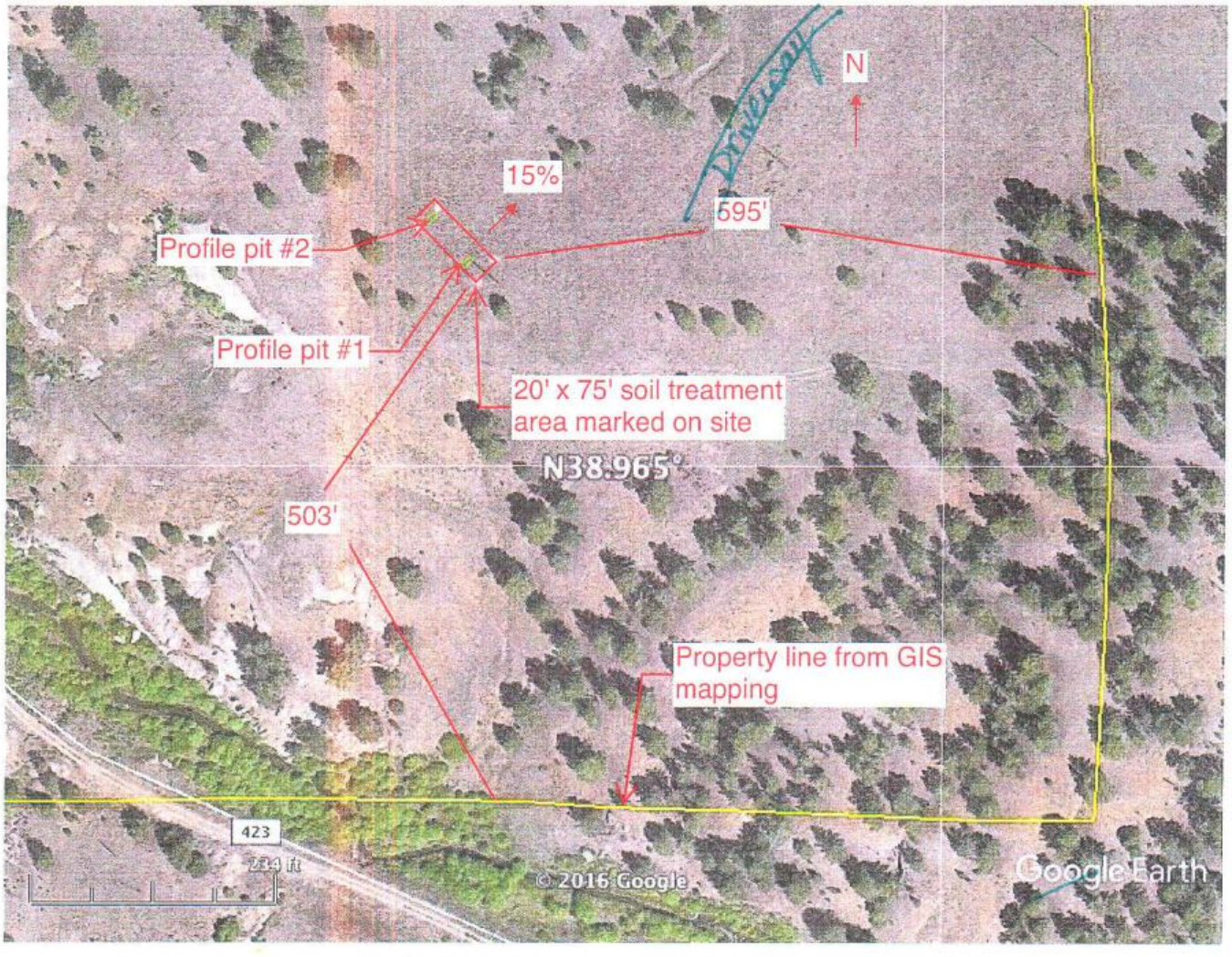
TANK CAPACITY 1000 | 2 Screen ABSORPTION AREA 360 Sq Ft DIMENSIONS (3) - 3x40 Trenches
HEALTH SPECIALIST Dominic Ruberenchi FINAL APPROVAL DATE 11/27/18
DRIVEWAY PERMIT: APPROVED X INSPECTOR Dominic Ruberenchi DATE 11/27/18

#3775
SW4NE4 S32 T12 R71

39606 Highway 24

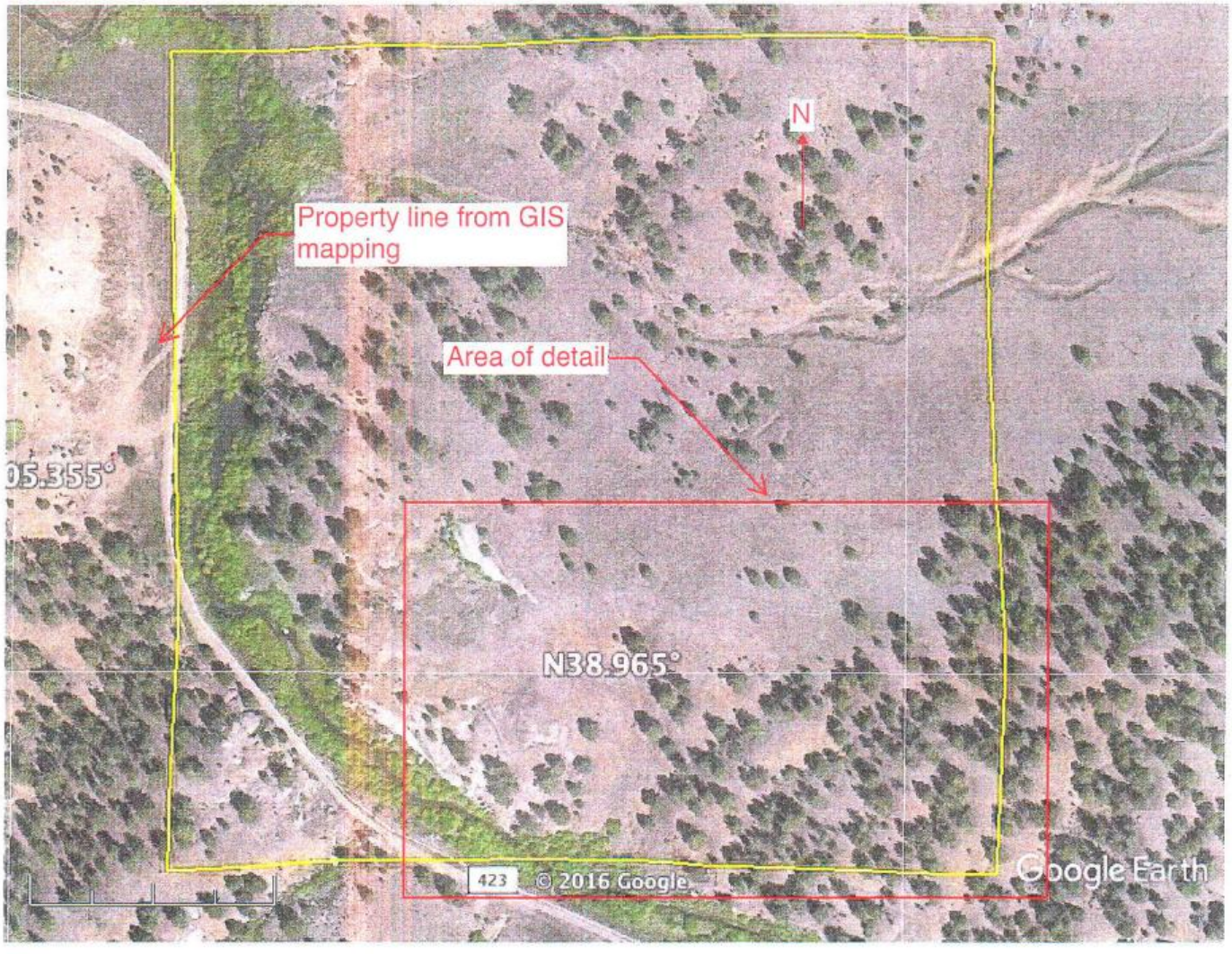
DW/Septic
APPROVED
11/15/17 JJ

PROFILE PIT LOCATION:

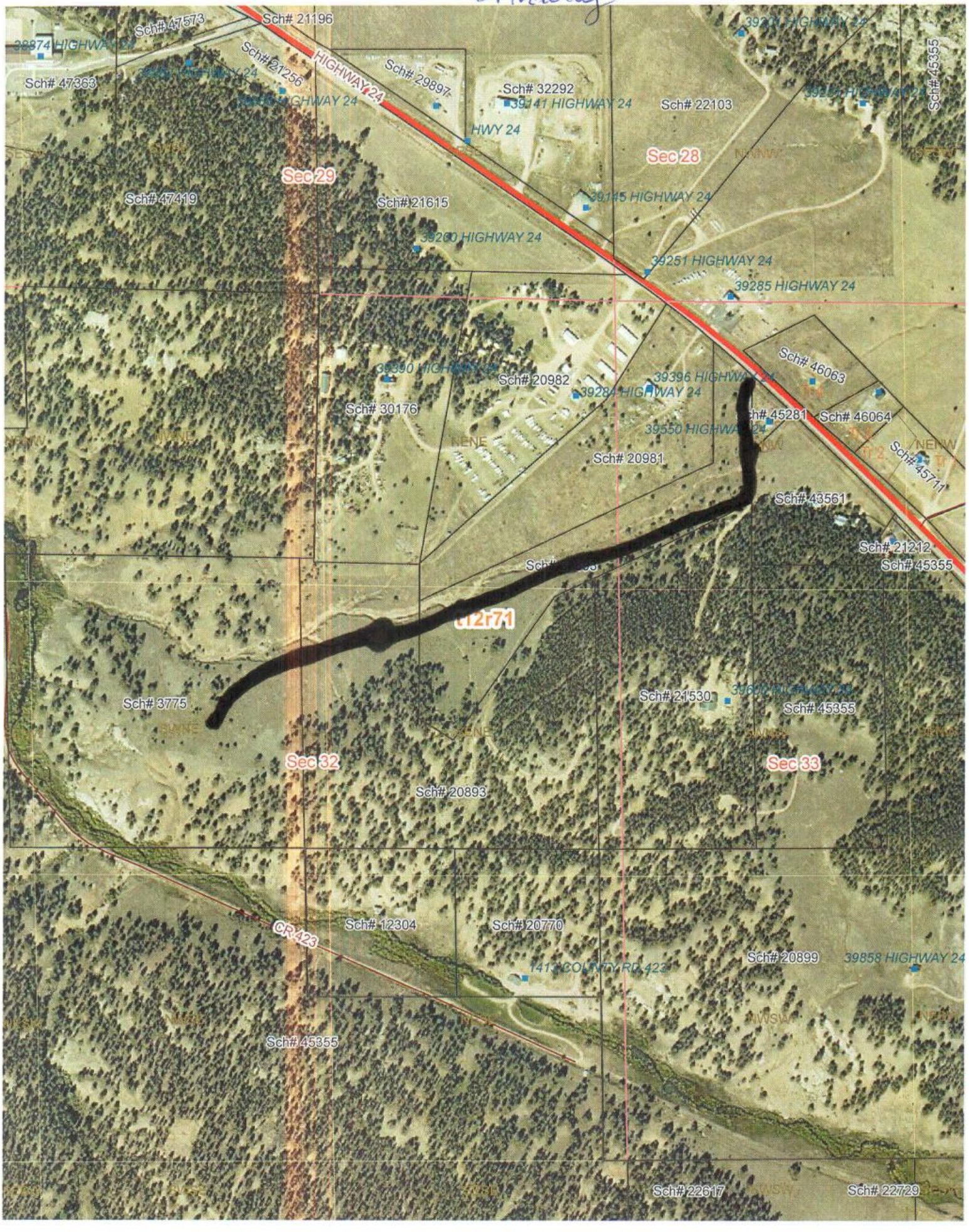


(note: the property boundaries, drilling locations, and physical features have been located by using the county GIS mapping along with onsite GPS coordinates. Accuracy can very up to 30' from actual locations. For components that are placed within the 30' margin of error, physical measurements should be taken onsite or a surveyor employed to locate exact boundary lines)

PLAT MAP OF PROPERTY:



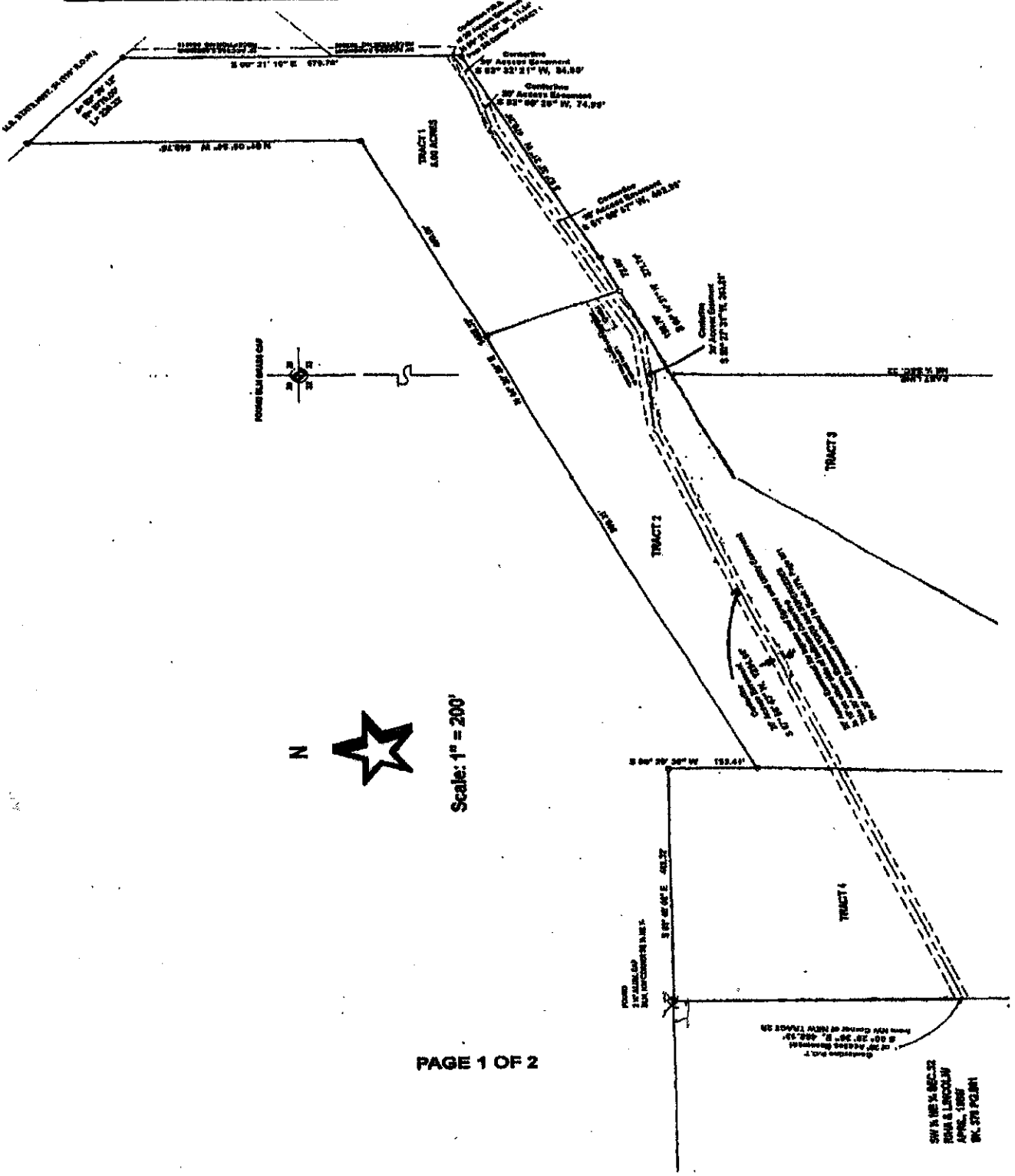
Google Earth feet 1000 meters 300


Driveway
Sch# 21196
Sch# 47573
39874 HIGHWAY 24
Sch# 47363
Sch# 21256
HIGHWAY 24
Sch# 29897
Sch# 32292
39141 HIGHWAY 24
Sch# 22103
HWY 24
Sec 28
Sec 29
Sch# 47419
Sch# 21615
39145 HIGHWAY 24
39200 HIGHWAY 24
39251 HIGHWAY 24
39285 HIGHWAY 24
Sch# 45355
Sch# 46063
Sch# 20982
39396 HIGHWAY 24
39284 HIGHWAY 24
Sch# 30176
Sch# 45281
Sch# 46064
39550 HIGHWAY 24
Sch# 20981
Sch# 45711
Sch# 43561
Sch# 21212
Sch# 45355
t12r71
Sch# 3775
Sch# 21530
39600 HIGHWAY 24
Sch# 45355
Sec 32
Sec 33
Sch# 20893
Sch# 12304
Sch# 20770
CR 423
141 COUNTY RD 423
Sch# 20899
39858 HIGHWAY 24
Sch# 45355
Sch# 22617
Sch# 22729

"EASEMENT EXHIBIT A"

(THIS IS NOT A PROPERTY SURVEY)
JACK L. KIRBY, LAND SURVEYOR
P.O. BOX 178, LAKE GEORGE, COLORADO 80827-8178

TEL.: (719) 748-3144 jksurvevor3@hotmail.com



"EXHIBIT A"

03/22/2017

EASEMENT DESCRIPTION: A 20 FOOT WIDE ACCESS EASEMENT FOR INGRESS AND EGRESS AND UTILITY EASEMENT OVER AND ACROSS A PORTION OF "TRACTS 1, 2 AND 4" MITCHELL'S MINOR SUBDIVISION A PORTION OF THE NORTHEAST ¼ OF SECTION 32, AND A PORTION OF THE NORTHWEST ¼ OF SECTION 33, TOWNSHIP 12 SOUTH, RANGE 71 WEST OF THE 6TH P.M., RECORDED JULY 03, 2013 UNDER RECEPTION NO. 699747 IN PARK COUNTY, COLORADO. SAID 20 FOOT EASEMENT BEING 10 FEET ON EITHER SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

COMMENCING AT THE SOUTHEAST CORNER OF SAID "TRACT 1"
THENCE N 00°21'10" W, ALONG THE EASTERLY LINE OF SAID "TRACT 1", 11.14 FEET, TO THE POINT OF BEGINNING OF SAID EASEMENT CENTERLINE;

THE FOLLOWING FIVE (5) COURSES ARE ALONG SAID EASEMENT CENTERLINE;
1) THENCE S 63°32'21" W, 84.90 FEET;
2) THENCE S 83°06'26" W, 74.99 FEET;
3) THENCE S 81°05'57" W, 492.66 FEET;
4) THENCE S 80°27'31" W, 203.66 FEET;
5) THENCE S 67°56'43" W, 1284.68 FEET TO THE POINT OF TERMINUS OF SAID EASEMENT. SAID POINT OF TERMINUS IS ON THE WEST LINE OF SAID "TRACT 4" WHICH IS ALSO THE EAST LINE OF THE SW ¼ NE ¼ SECTION 32. SAID POINT OF TERMINUS ALSO BEING S 00°29'36" E, 488.13 FEET FROM THE NW CORNER OF SAID "TRACT 4."

ENVIRONMENTAL HEALTH COMMENTS FORM

Requested on: _____ *Scheduled for:* _____

Profile Hole: Date 11/16 Comments OK to construct

Requested on: _____ *Scheduled* _____

Open Hole: Date _____ Comments _____

Requested Final Inspection on Final Septic *Scheduled* _____

Final: Date 2/8/18 Comments Approved
11.20.18 FINAL GRADE + DRIVE - Approved

Paperwork Received checkoff w/ Date Rcvd.

Well Permit / Drill Log: _____ **Engineer's Letter:** 3.7.18 **'As-Built:** 3.7.18 **AX Agreement:**

Tank Info 1000/2/Screen **Engineer** Gary Bieske **Job #** 1706-5

Conditions: Environmental

☐ 45 Clean	Install a cleanout at the end of each lateral with…
☒ Cleanout from house	Install clean out with the first 5 ft from house…
☒ Cleanout in field	Install a minimum of one clean out in the field…
☐ Geo Justification	Recognized Geological case…
☒ OWTS	Must follow all requirements in the current OWTS regs
☒ Infiltrator Installation 7	Refer to engineer's design for installation instructions
☒ Infiltrator Installation 8	When installing infiltrators, Mirafi Filter Fabric…
☐ Infiltrator Size 7	36 chambers
☐ Infiltrator number	XXX Infiltrators
☐ OPTION 3 Forest Service	NSF approved Incinolets or composting toilets are...
☐ Observation Ports	Install observation ports at opposing corners of…
☒ Over Excavated Leach Field 1	Excavate leach ~~field~~ 12" on downhill side, call PC… 3 Trenches Blk 3 x 40
☐ Over Excavated Leach Field 2	Remove, rework and replace 4 ft. of native soil.
☐ Over Excavated Leach Field 3	2 ft of sand is required with returned material.
☒ Permits on site	Septic Permit and design are required to be posted….
☐ Pump startup	Prior to final building inspection we must receive…
☒ Seed system	Seed entire system and call for final grade insp…
☐ Standard Field No OX 1	Excavate field 3 ft deep on downhill side.
☐ Trench Inspn. Port/Clean Out	Install a clean out at the end of each trench…
☒ Well to Field	Must maintain a minimum of 200 ft from all wells…

Preliminary inspection _____ *Scheduled* _____

Prelim Date 11/16 Comments Existing Drive

Requested Final Inspection on _____ *Scheduled* _____

Final: Date 11/26/18 Comments Final - 2 Address placed - Approved

Conditions: Drive

☐2:1 Sideslopes	Finish driveway apron with 2:1 sideslopes
☐3:1 Sideslopes	Finish driveway apron with 3:1 sideslopes
☒Address Post	Install a permanent address post
☐Apron	Construct a safety apron area that is 18 ft wide
☐Blue reflectors	Place 2 round reflectors, 1 on each…
☐Culvert	Install a 15"X20 ft minimum size culvert
☐Drainage Swale	Construct a drainage swale to divert all water
☐Easement	Since there are two lots that share this driveway…
☐Erosion Control Plan	An erosion control plan must be submitted to PCEHD…
☒Final Inspection	A final inspection must be requested by contacting…
☐Maintenance/Snow Removal	The Park County Road and Bridge Dept can be…
☐No Culvert	No culvert is required, however, a culvert may be…
☒Permits Posted	Permit is required to be posted on site following…
☐Re-Inspection Fee	You must submit a $75.00 re-inspection fee
☐Surface	Surface entire length of the driveway…
☐USFS Access	This is an existing USFS access, however…

Kovacevich

June 2, 2017

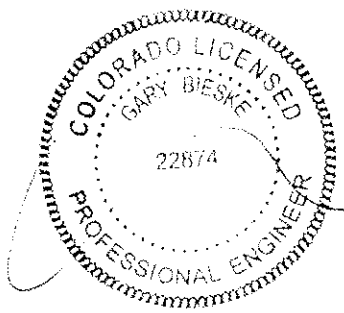
SOIL EVALUATION FOR AN ONSITE WASTEWATER TREATMENT SYSTEM

at

39606 Highway 24
Lake George, CO
SW1/4, NE1/4, 32-12-71

Client: Above Treeline Construction
PO Box 5432
Woodland Park, CO 80866
Email: advloghomes@aol.com
Report: 1706-5

Submitted by,



Gary B. Bieske P.E.
Sun Peak Engineering Inc
9 County Rd 78
Woodland Park, CO 80863
Phone: 719-687-6232
Email: gary@sunpeakengineering.com

INTRODUCTION:

This site is not served by a public wastewater treatment system and as a result will need to have an onsite wastewater treatment system (OWTS) for the proposed single-family residence. As per your request, Sun Peak Engineering has performed a visual and tactile soil evaluation in two test profile pits dug to a depth of 8'. The profile pits were evaluated on May 16, 2017.

SITE:

This property is located approximately 1/2 mile southeast of the town of Lake George, CO on a parcel that is currently vacant. The general topography in the area of the soil treatment area (STA) is a linear linear, foot slope landscape position with a 15% grade to the northeast. At the time of the site visit, the property appeared to be in a natural condition with native grasses in the STA footprint. A photograph illustrating the site conditions during the field investigation can be found at the back of this report.

FINDINGS:

SITE FEATURES:

Wells:	None in near vicinity
Gulches:	None in near vicinity
Streams/ponds:	None in near vicinity
Grade:	15% to the northeast

SOIL DESCRIPTION:

Profile pit #1 & 2:

A brown silty topsoil was present to a depth of 12". Below the topsoil to a depth of 8' is a tan, sandy loam. It is fine grained, moderate density and low moisture content. It has a granular structure shape and moderate structure grade.

RESULTS:

Based on the soil description, this soil qualifies as a soil type 2 in table 10-1 of the local health department regulations. The long term acceptance rates (LTAR) are as follows:

LTAR = .60 gal/day

Park County requires that a licensed engineer design all systems. To initiate the design process, please contact this office. Sun Peak Engineering has designed hundreds of these systems in the Pikes Peak Region, and is known for practical, affordable designs.

SITE PROTECTION:

During construction, the proposed soil treatment area (STA) and replacement area, if any, must be protected from disturbance, compaction, or other damage by staking, fencing, posting, or other effective method. A 20'x75' STA has been staked on this parcel at the time of the site visit as shown on the attached map.

CONCLUSION:

An onsite wastewater treatment system (OWTS) is different from a public sewer service. Systems, which are abused by improper use and not properly maintained, will fail prematurely and increase the possibility of freezing during periods of below freezing temperatures. The owner must also be aware of, and assume responsibility for ongoing maintenance of the system. Information on septic maintenance may be obtained from the local county environmental health office.

LIMITATIONS:

This report has been prepared for the exclusive use of the client listed on this report and for the subject property. Use by any other persons or for any other site is not permitted without approval of this office. Also this report assumes that the actual soil conditions do not deviate in any significant way from those described in this report. In the event that any variations or undesirable conditions are detected, this office shall be notified immediately.

Sun Peak Engineering makes no warranty as to the findings or recommendations provided in this report except that they were prepared in accordance with the local and Colorado state regulations. The test was conducted in the vicinity of the site requested by the owner or representative of the owner and Sun Peak Engineering has no knowledge of actual property lines or corners other that what has been described or represented by the owner or representative.

Sun Peak Engineering has attempted to locate any items in the vicinity of the septic site that may affect the minimum setbacks, however there may be additional wells, gulches, streams, etc not observed during the site visit. It is the responsibility of the owner or representative to make certain that all items that may affect the minimum setbacks are properly maintained and represented to all parties to whom it may concern.

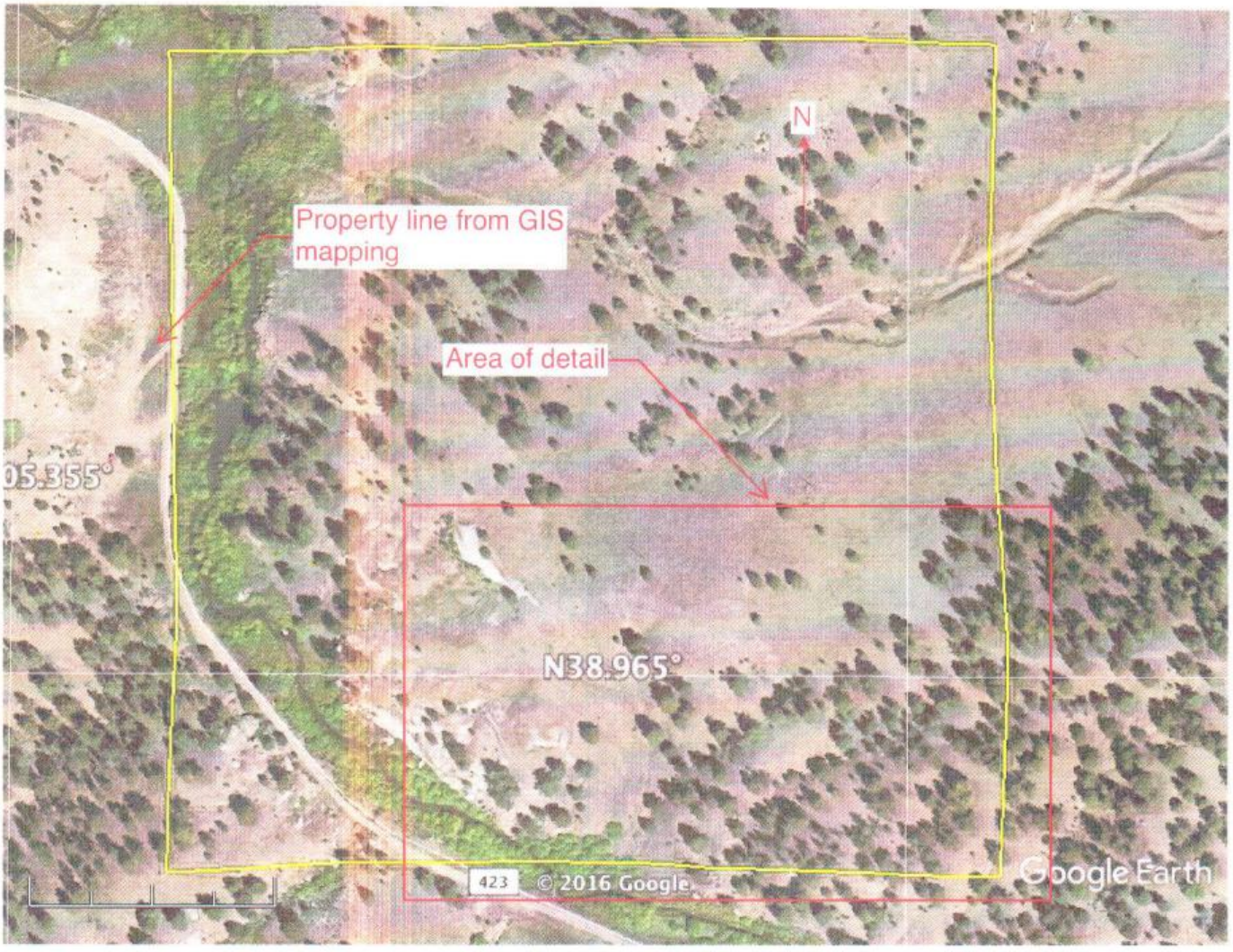
PROFILE PIT #1 & 2:

Client: Above Treeline	Project Number: 1706-5	Date: 5/16/17	Profile Pit # 1 & 2
Address, City, State: 39606 Highway 24			
Groundwater Depth: None	Total Depth of profile pit: 8'		

Depth (feet)	Sample Type	Blow Counts (blows/foot)	Graphic Log	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifier color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	Moisture Content (%)	Additional Test
				Brown, silty top soil		
				Tan, sandy loam. Fine grained, low moisture content, moderate density. Granular structure shape, strong structure grade. No redoximorphic coloring.		
5					5.8	
10						
15						

Standard Penetration Split Spoon Sampler (SPT)
Hand Sample Ground Water Table

PLAT MAP OF PROPERTY:



PROFILE PIT LOCATION:

(note: the property boundaries, drilling locations, and physical features have been located by using the county GIS mapping along with onsite GPS coordinates. Accuracy can very up to 30' from actual locations. For components that are placed within the 30' margin of error, physical measurements should be taken onsite or a surveyor employed to locate exact boundary lines)

SITE PHOTOGRAPH:

October 30, 2016

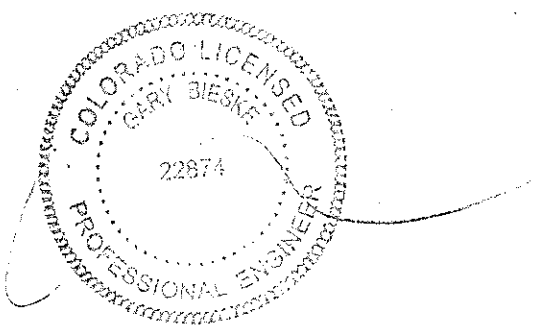
ONSITE WASTEWATER TREATMENT SYSTEM (OWTS) DESIGN

For

39606 Highway 24
Lake George, CO
SW1/4, NE1/4, 32-12-71

Client: Above Treeline Construction
PO Box 5432
Woodland Park, CO 80866
Email: advloghomes@aol.com
Report: 1710-41

Submitted by,



Gary B. Bieske P.E.
Sun Peak Engineering Inc
9 County Rd 78
Woodland Park, CO 80863
Phone: 719-687-6232
Email: gary@sunpeakengineering.com

INTRODUCTION:

As per your request, I have completed an onsite wastewater treatment system (OWTS) design for the above-mentioned property located near Lake George, CO. The system has been designed for a total of 2 bedrooms and the design loading assumes a maximum of 2 people per bedroom or 4 permanent occupants. Any change in the number of bedrooms or overall occupants may cause the system to have premature failure.

The system has been designed based on the OWTS site evaluation by Sun Peak Engineering in the report dated June 2, 2017. The effluent being treated and absorbed into the soil is determined by the long-term acceptance rate (LTAR) of the soil. New statewide regulations adopted in the summer of 2014 bases the design on the soil structure grade, shape, size and restrictive layers in determining the LTAR.

The results of the report by Sun Peak Engineering are a gravelly loam in the infiltrative horizon. This soil qualifies as a soil type 2 in table 10-1 of the local health department regulations

LTAR = .60 gal/day/sq ft

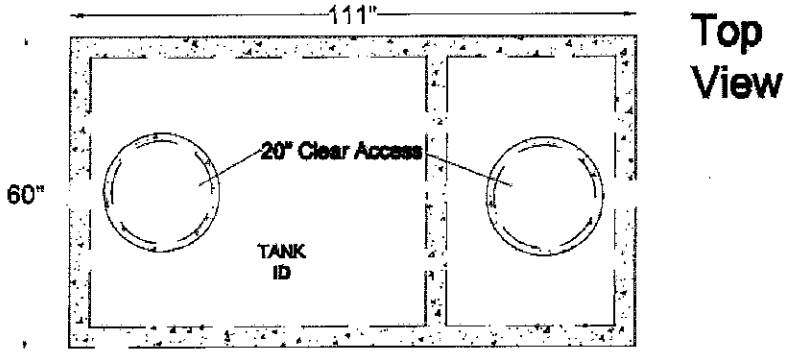
SYSTEM OVERVIEW:

The system will generally consist of a standard 2-compartment septic tank with a gravity flow to a soil treatment area consisting of a leaching chamber bed system 2'-4' deep.

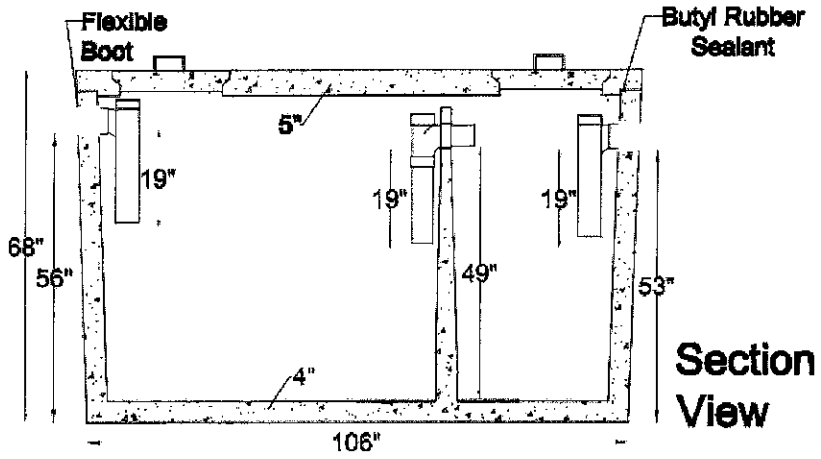
SYSTEM COMPONENTS AND CALCULATIONS:

SEPTIC TANK:

The tank is to be a 1000 gallon, 2 compartment concrete tank meeting ASTM C1227-12 (Standard Specification for Precast Septic Tanks) and the local health department regulations. The tank is to have a gravity flow outlet to the soil treatment area. The tank is available from Valley Precast.



Top View



Section View

The tank is to be placed a minimum of 24" below the final grade and a maximum of 36". The tank shall have a minimum 20-inch diameter access riser, made of corrosion-resistant material, extending to or above ground level. The access risers must have a watertight connection to the tank to prevent infiltration or exfiltration. They are to be located to where they allow periodic physical inspection, collection and testing of samples, and maintenance of all components and compartments. The lid is to be screwed to the riser or be of sufficient weight that a child cannot remove the lid

Effluent screen:

Effluent screens are required to be installed in all septic tanks in new installations and repairs where the septic tank is replaced.

1. The effluent screen shall be cleaned at manufacturer-recommended intervals, or more often, if use patterns indicate.
2. The effluent screen must have a handle for removal to within 1' of the top of the tank access riser.

PIPING FROM HOUSE TO SOIL TREATMENT AREA:

House to Tank:

4" schedule 40 piping is to be used from the building sewer drain outlet to the tank. All piping must have a minimum slope of ¼" per foot. Cleanouts are to be provided within 5' of the sewer outlet, every 50' from the sewer outlet to the tank. All piping shall have a minimum cover of 24" of soil.

Tank to Soil Treatment area:

4" schedule 40 pipe is to be used from the tank to the soil treatment area with a minimum slope of ¼" per foot. Cleanouts are to be provided every 100' from the sewer outlet to the bed.

DESIGN FLOW:

The wastewater flow as per the local environmental health regulations is 75 gal/day/person

75 gal/day/person x 2 people/bedroom x 2 bedroom = 300 gal/day
Design flow = 300 gal/day/person

ABSORPTION FIELD SIZING:

Based on the total average flow above, the absorption field has been sized below according to the local health department regulations.

Long term acceptance rate (LTAR) = .60

Absorption area;
Design flow/ LTAR = 300 gpd/.60 = 500 sq ft

Trench adjustment factors

Gravity flow = 1.0
Chambers = .7

Chambers required for trench:

1. 4' long x 3' wide chambers = 1.0x .7x500 sq ft/12 sq ft = **30 chambers (Quick4)**
2. 5' long x 3' wide chambers = 1.0x.7x500 sq/ft/15 sq ft = **24 Chambers (Arc36)**

CHAMBER LAYOUT:

The leach field is to consist of a trench configuration. A 4" diameter inspection port is to be placed at the end of each trench with a 4" screw type cap. The trench is to

have a maximum depth of 4' on the downhill side and is to follow the hillside contour to make certain this is not exceeded. The distance between trenches is to be a minimum of 6' from sidewall to sidewall. The excavated width of the trench is not to exceed 36". 10" minimum of organic permeable soil, conducive to vegetation growth, is to be placed over the chambers.

3 rows of 10 Quick4 chambers (40' long)
3 rows of 8 Arc36 chambers (40' long)

EXCAVATION DETAIL:

Care must be taken to not compact the soils below the leaching chambers by driving heavy equipment on the infiltrative surface. Compaction of this surface will severely reduce the ability of the soil to absorb effluent and hinder microbe bacteria growth resulting in failure. The infiltrative surface should be scarified prior to the placement of the chambers.

The final cover over the bed or trench is to consist of a sand or gravelly sand with the top 10" consisting of organic material conducive to vegetation growth. Again, this fill must not be compacted by driving heavy equipment over the final fill material or parking/driving vehicles over the leach field. The soil above the chambers must remain porous for oxygen to migrate to the infiltrative surface for microbe bacteria growth and for carbon dioxide to escape from the leach field.

DISTRIBUTION BOX:

To make sure that all laterals are loaded evenly, a distribution box is required to split effluent amongst all the laterals of the seepage bed or trench. All trenches must be equal in length (within 1 leaching chambers of each other) for the distribution box to be effective. A "Polylok" equalizer weir is to be inserted into each outlet pipe of the distribution box. The purpose of the weir is to compensate for movement of the D-box due to frost, backfilling, or improper installation. If at any time the D-box is not level, the equalizer weir will self regulate the flow of effluent to all outlet pipes. The distribution box is to have a baffle between the inlet and the outlet to slow the effluent prior to entering the trenches. These items are stocked at Valley Precast. A riser and lid is to be placed over the distribution box for future access.

SITE PROTECTION:

During construction, the proposed soil treatment area (STA) and replacement area, if any, must be protected from disturbance, compaction, or other damage by staking, fencing, posting, or other effective method. A 20' x 70' STA has been staked on this parcel at the time of the initial site visit. This preliminary STA is not the size of the

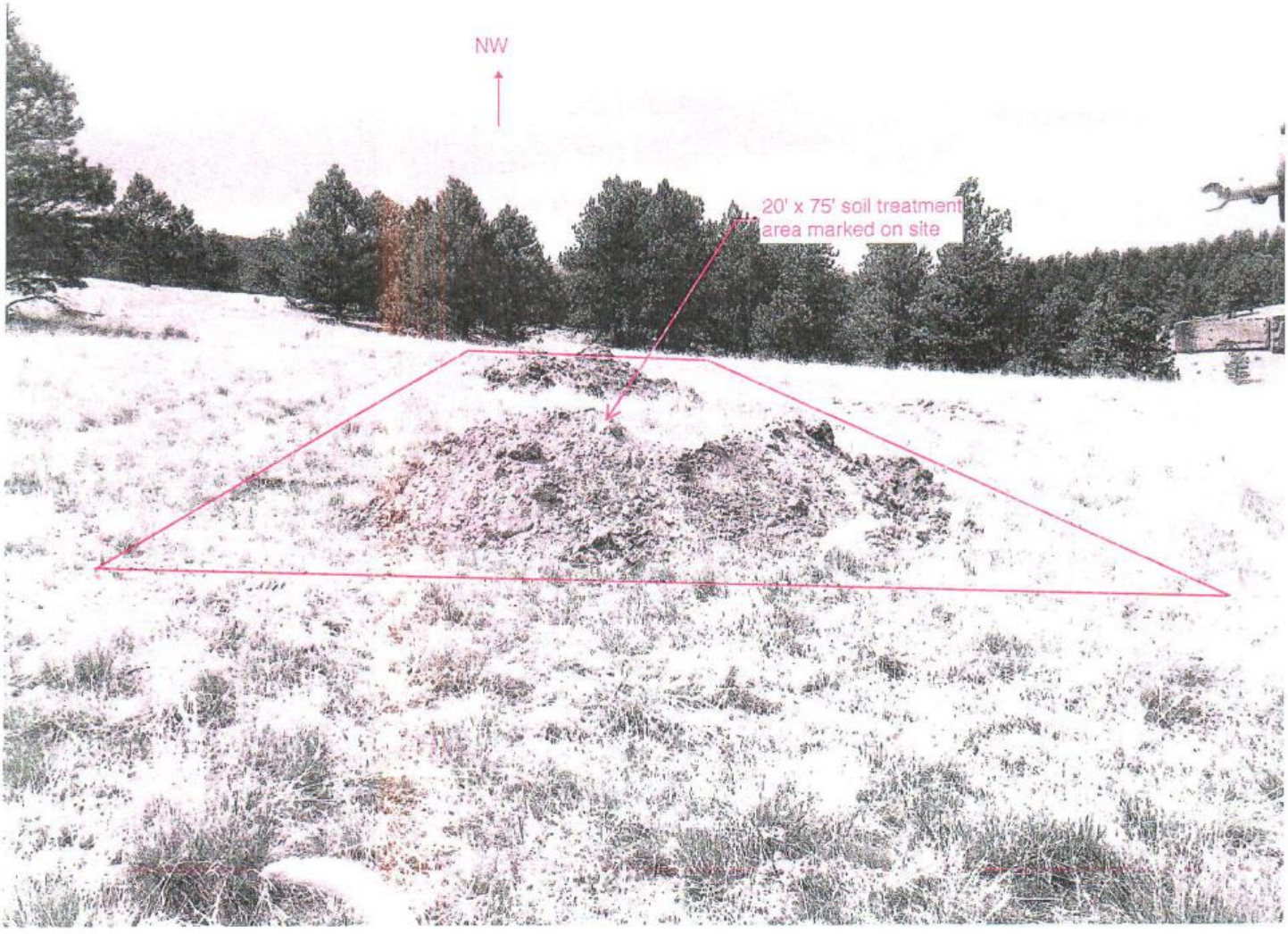
required absorption area as it was marked on site prior to the system being designed. It represents a general area where the system should be located.

INSPECTION/SYSTEM TESTING:

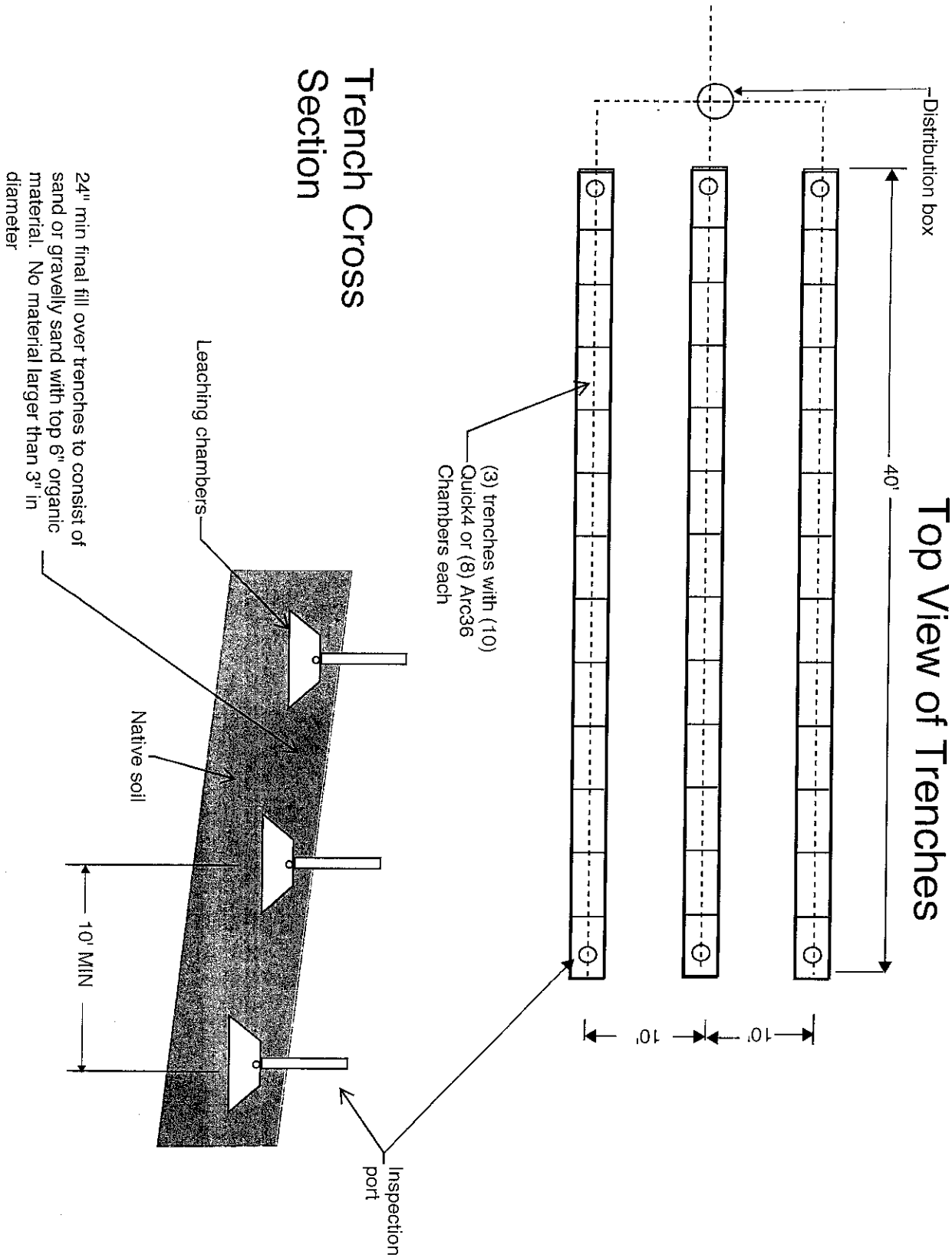
Once the leaching chambers, septic tank and sewer lines have been placed and prior to backfilling, contact this office for a compliance inspection. A $350.00 fee is charged for this service. A 72-hour notice is required for all inspections to enable me to schedule the service when needed.

This report is limited in scope to the required absorption area of the septic system only. Minimum setback requirements, correct placement of the system components, and compliance with the local health department, are the sole responsibility of the owner and/or the septic installer.

SITE PHOTO OF PROPOSED ABSORPTION FIELD:



Distances:		
	A-B	10' Schedule 40 pipe.
	C-D	220' Schedule 40 pipe
	D-E	40'


Top View of Trenches
Distribution box
40'
10'
10'
(3) trenches with (10) Quick4 or (8) Arc36 Chambers each
Inspection port
Trench Cross Section
Leaching chambers
Native soil
10' MIN
24" min final fill over trenches to consist of sand or gravelly sand with top 6" organic material. No material larger than 3" in diameter

(owner name) (date) 2/8/18 (permit #)

Piping between house and tank (Sewer Line)

	Permit/Eng design	Actual	Regs	Pass	Fail	Reinsp
Distance between well & piping		SCH 40	> 50'	X		
Piping w/n 5' of foundation			≥ SDR35	X		
Cleanout w/n 5' of foundation		☐ Yes ☐ No	C/O w/n 5'	X		
4" piping between house and tank		☐ Yes ☐ No	4"	X		
Sewer piping at least SDR35 (under driveway > sched 40)		SCH 40	≥ SDR35	X		
Piping bridged and bedded		☐ Yes ☐ No	Bridged & bedded	X		
Pipe fittings/flanges proper dir.		☐ Yes ☐ No	Sm end faces tank	X		
Gaskets/fittings plastic		☐ Yes ☐ No	(not rubber)	X		
Cleanout between house and tank		☐ Yes ☐ No	Every 50'	X		
Slope of last 10' piping to tank			1–2% (⅛"–¼"/ft)	X		

Tank

	Permit/Eng design	Actual	Regs	Pass	Fail	Reinsp
Distance between house & tank			> 5'	X		
Distance between tank and well			> 50'	X		
Tank Size:	Tank Size: # of bed:	Tank Size: 1000/2	1250 gal / 1 -3 bed 1500 gal / 4 bed	X		
Length of pipe inside tank			4"–5"	X		
Effluent filter/dosing , required?	X Yes or ☐ No	X Yes ☐ No	Screen	X		
Pumping , required?	☐ Yes or X No	☐ Yes X No		X		
Is the Tank Level?		X Yes ☐ No	Must be level	X		
Tank inlet & outlet grout/sealed		X Yes ☐ No	Must be sealed	X		

Piping between tank and field (Effluent Line)

	Permit/Eng design	Actual	Regs	Pass	Fail	Reinsp
Distance between field and tank			> 6'	X		
Piping ≥ SDR35		SCH 40	≥ SDR35	X		
Pipe fittings/flanges proper dir.		X Yes ☐ No	Sm end faces field	X		
Piping bridged and bedded		X Yes ☐ No	bridged & bedded	X		
Cleanout between tank and field		X Yes ☐ No	Every 100'	X		

Gravel Field

	Permit/Eng design	Actual	Regs	Pass	Fail	Reinsp
Located w/n 10'–20' profile hole		☐ Yes ☐ No	w/n 10'–20'			
Distance between field & house			≥ 20'			
Distance between field & well			≥ 200'			
Dist. between field & prop. line			≥ 10'			
Field Size:						
Piping bridged and bedded		☐ Yes ☐ No	Bridged & bedded			
Distribution manifold: level?		☐ Yes ☐ No	Must be level			
Distribution lines: level?		☐ Yes ☐ No	Must be level			
Distribution lines: spacing?		☐ Yes ☐ No	6' bet. lines			
Distribution lines: edge of field?		☐ Yes ☐ No	At least 3'			
Pipe perforations		☐ Yes ☐ No	See Eng design			
2" gravel covering distrib. Lines		☐ Yes ☐ No	At least 2"			
Inspection port at the end of field		☐ Yes ☐ No	End of field			
Mirafi Mirascape Filter Fabric		☐ Yes ☐ No	Must be on site			

Distance between field & house			> 20'	✓		
Distance between field & well			≥ 200'	✓		
Dist. between field & prop. Line			≥ 10'	✓		
# of chambers required		32	———	✓		
Distribution manifold: level?		☐ Yes ☐ No	Level	✓		
All infiltrators level?		☐ Yes ☐ No	Level	✓		
Inspection port?		☐ Yes ☐ No	At end of field	✓		
All chambers handbedded?		☐ Yes ☐ No	Handbedded	✓		
10' perforated pipe suspended / row		☐ Yes ☐ No	Min. of 10'	✓		
Overexcavated systems require geogrid under chamber sections	Not Required	☐ Yes ☐ No	Geogrid	✓		

Field to Environment

	Permit	Actual	Regs	Pass	Fail	Reinsp
Field to drainages/waterways?	☐ Yes ☐ No ☐ N/A		≥ 100'			
Field to dry gulch or swale?	☐ Yes ☐ No ☐ N/A		≥ 25'			
Field to wetlands, lake, stream?	☐ Yes ☐ No ☐ N/A		≥ 100'			

Proper Paper Work

Paperwork	* Attached to paperwork
Well Permit?	☐ Yes ☐ No
Well Log?	☐ Yes ☐ No
As built?	☐ Yes ☐ No
Final Letter from Engineer?	☐ Yes ☐ No

* All paperwork marked "No" is recorded on the green tag.

Special Conditions Itemized on Permit:

Mapping/GIS Department
P.O. Box 571
Fairplay, CO 80440-0571
cjones@parkco.us
Ph. 719.836.4287
Fx. 719.836.4351

11/20/2017

KOVACEVICH PETER G
229 SPLINTERED ARROW DR
LA MARQUE, TX 77568-6621

Re: **Schedule No. R0003775**
Legal:
T12 R71 S32 NE4
SW4NE4 32-12-71

Park County GIS is working with the fire districts, Emergency Services, Dispatch 911 and the Master Street Addressing Guide (MSAG) Coordinator to resolve any duplicate road names, physical addresses and to synchronize this data. It has come to our attention that the physical address of 39606 Highway 24 is out of sequence for the area. Therefore an updated physical address would be:

FROM	***TO***
39606 HIGHWAY 24	***39466 HIGHWAY 24***
LAKE GEORGE, CO 80827	***LAKE GEORGE, CO 80827***

In addition, if the owner posts the address according to Land Use Regulations it becomes easier for emergency service crews to identify the addresses when they are driving, especially at night. Our Land Use Regulations can be found at Park County website under Development Services > Planning and Zoning: http://www.parkco.us/189/Land-Use-Regulations .

Development Services (Building, Code Enforcement, Environmental Health, GIS Mapping and Planning and Zoning) can be found at http://www.parkco.us/85/Development-Services .

Please contact us if we can be of further assistance.
Sincerely,

Cindy Jones
Park County Mapping/GIS Department
cjones@parkco.us
719-836-4287
Office closed on Fridays
Cc: Assessor's Office Dispatch MSAG Coordinator Postal Service
P:\Projects\Addressing\Addressing_2017\3775.docx

DRIVEWAY PERMIT
Park County, Colorado

Issued Date:	Expiration Date:	Fee Required:	Permit Status:	Schedule #: R0003775	Permit #:
11/20/2017	11/20/2018	$ 150.00	Issued		17DRV-00344

Property/Owner Information

Owner(s) Name(s): KOVACEVICH PETER & CYNTHIA
Mailing Address:
Property Address: 39466 HWY 24, LAKE GEORGE, CO 80827
Phone: 409-795-0589
Legal Description: T12 R71 S32 NE4 SW4NE4 32-12-71 B0379 P0086 STR96 21530

Contractor Information

Name/Company: JERRY T JENKINS
Phone: 719-687-0680
Mailing Address: P.O. Box 1274
WOODLAND PARK, CO 80866

Inspections:

Date: 11/16/17 Desc: Preliminary Status: EXISTING DRIVEWAY Inspector: Sarah Dunn

Comments:

List of Conditions:

- PERMIT IS REQUIRED TO BE POSTED ON SITE FOLLOWING ISSUANCE.
- Install a permanent address post, according to driveway regulations.
- A final inspection must be reqested by contacting the Park County Environmental Health Dept. at 719-836-4265 when the work is completed.

NOTE: ***Final approval will be granted upon completion of construction and compliance to all County standards. A Certificate of Occupancy for the property can be applied for from the Building Department when all conditions of this permit have been met.***

SEWAGE DISPOSAL PERMIT

PARK COUNTY HEALTH DEPARTMENT
P.O. BOX 216
FAIRPLAY, CO. 80440 (719) 836-4267

Date Issued: 11/20/2017 Permit Number: 17RES-00000-00335 Schedule No: R0003775

TO CONSTRUCT, ALTER, REPAIR OR MODIFY AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM IN PARK COUNTY COLORADO.

ISSUED TO: KOVACEVICH PETER & CYNTHIA
229 SPLINTERED ARROW DR
LA MARQUE, TX 77568

ENGINEER: State
JOB NO: GARY BIESKE 1706-5

LEGAL DESCRIPTION: T12 R71 S32 NE4 SW4NE4 32-12-71 B0379 P0086 STR96 21530

WASTE DISPOSAL SYSTEM TO BE INSTALLED BY: JERRY T JENKINS

THIS PERMIT IS NOT TRANSFERABLE, AND IS ISSUED FOR THE PERIOD OF ONE YEAR (UNLESS OTHERWISE STATED BELOW) IN ACCORDANCE WITH PARK COUNTY INDIVIDUAL SEWAGE DISPOSAL REGULATIONS.

DATE OF EXPIRATION: 11/20/2018

ENVIRONMENTAL HEALTH SPECIALIST

SEPTIC SYSTEM DIMENSIONS FOR A 2 BEDROOM HOUSE. ANY FUTURE ADDITION OF BEDROOMS WILL REQUIRE A LEACHFIELD AND POSSIBLY INCREASED SEPTIC TANK CAPACITY.

TANK: 1000/2/SCREEN

List of Conditions:

- Install clean out within the first 5 ft from house. Add 2 single sweep stacks or 1 UPC stamped double sweep.
- Install a minimum of one clean out in the field and a minimum of one c/o between tank and field and every 100ft (min.) to the field.
- MUST FOLLOW ALL REQUIREMENTS IN THE CURRENT ISDS REGULATIONS.
- Refer to engineer's design for installation instructions.
- Must maintain a minimum of 200 ft from all wells to all leachfields.
- When installing infiltrators, Mirafi Filter Fabric is not required.
- SEPTIC PERMIT AND DESIGN ARE REQUIRED TO BE POSTED ON SITE FOLLOWING ISSUANCE.
- Seed entire system and call for final grade inspection. Seeding not required Sept 15 - May 15th.
- Excavate 3 trenches 3'x40'x36" on downhill side, call PCEHD at (719)836-4267 to schedule an open hole inspection.

PCEHD will conduct final inspection. This office shall be notified by applicant 48 hours in advance. (This does not guarantee that inspections will be made within 48 hours.)

ADDITIONAL REQUIREMENTS: 1.) Well must be installed prior to calling PCEHD for final system inspection. 2.) A copy of the well log and well permit must be submitted prior to final inspection. 3.) A final letter of approval from the engineer (if designed by an engineer) observing the installation of this system and an "as-built" must be submitted prior to final approval. 4.) A minimum SDR35 is required. 5.) Mirafi Filter Fabric is required. 6.) Schedule 40 is required under all driveways.

The Health Officer shall assume no responsibility in case of failure or inadequacy of a sewage disposal system, beyond consulting in good faith with the property owner or representative. **THE PROPERTY OWNER WILL BE RESPONSIBLE FOR THE ACCURATE LOCATION OF ALL PROPERTY LINES.** Access to the property shall be authorized at a reasonable time to make necessary inspections to determine compliance permit requirements.

NOTE: LEAVE ENTIRE SEWAGE DISPOSAL SYSTEM UNCOVERED FOR FINAL INSPECTION.

T12 R71 S32
#3175

SUN PEAK ENGINEERING INC

9 County Rd 78
Woodland Park, CO 80863
719-687-6232
gary@sunpeakengineering.com e-mail

March 2, 2018

Report: 1803-2

Above Treeline Construction
PO Box 5432
Woodland Park, CO 80866

Re: On site waste water treatment system (OWTS) final inspection at 39466 Highway 24, Lake George, CO

Dear Mr Copp,

On January 2, 2018 I inspected the on site waste water system (OWTS) at the above-mentioned site. The system was found to be installed in substantial compliance with the design issued by this office dated October 30, 2017.

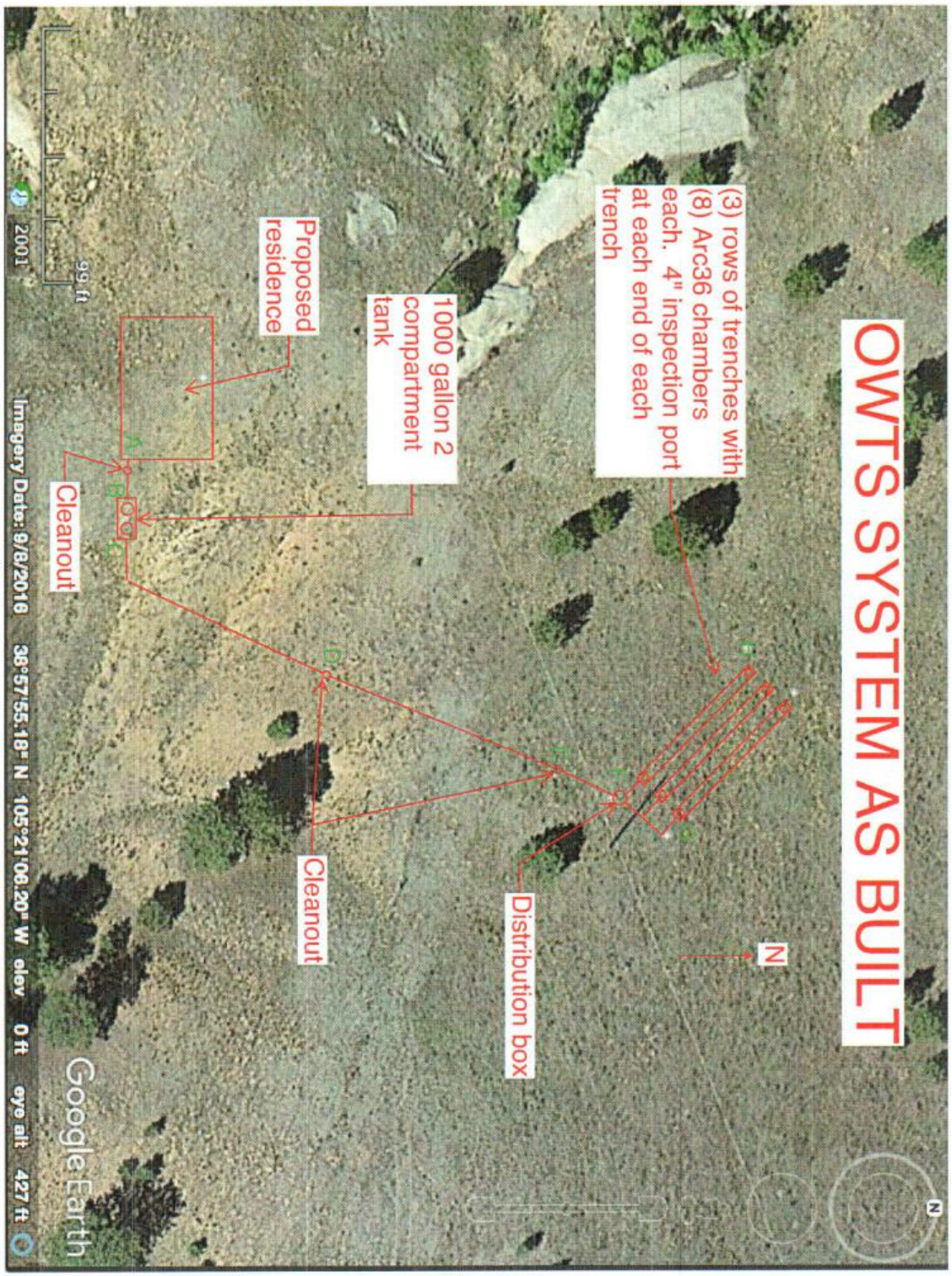
Please note that the property boundaries, well location, OWTS component location, and physical features have been located by using the county GIS mapping along with onsite GPS coordinates. This as built drawing is provided as a requirement by the engineer of record from local health department and is as accurate as possible using the GIS mapping and GPS coordinates. Sun Peak Engineering is not a survey firm and is not responsible if minimum setbacks or if accuracy varies from actual locations. If the client is concerned with any minimum setback requirements, a licensed surveyor should be employed.

If I can be of any further service, please don't hesitate to contact me.

Respectfully submitted,

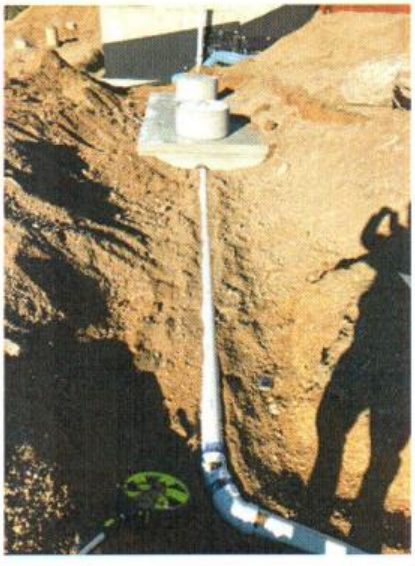
Gary B. Bieske P.E.
Sun Peak Engineering Inc

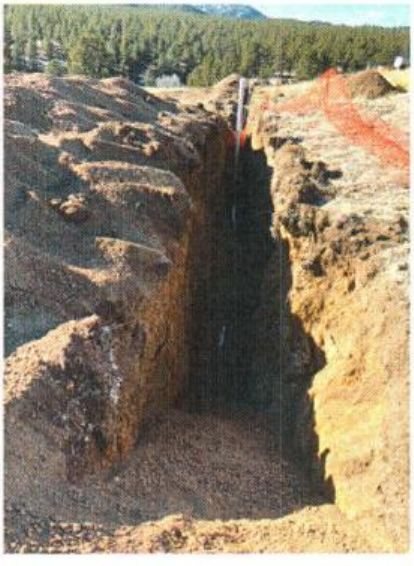
COLORADO LICENSED
GARY BIESKE
22874
PROFESSIONAL ENGINEER

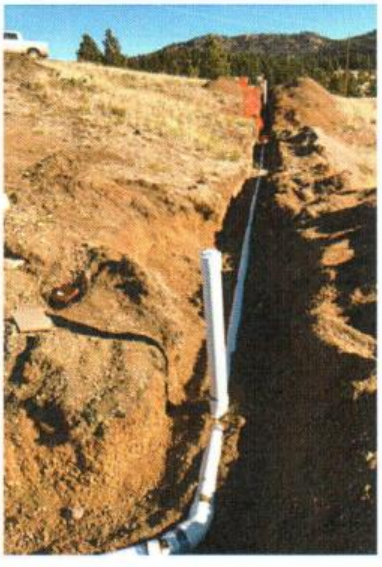


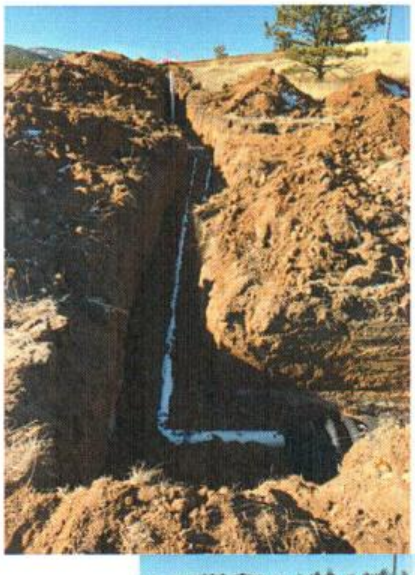
Distances:		
A-B	20'	4" Schedule 40 pipe.
C-D	87'	4" Schedule 40 pipe
D-E	94'	4" Schedule 40 pipe
E-F	23'	4" Schedule 40 pipe
F-G	28'	
F-H	40'	

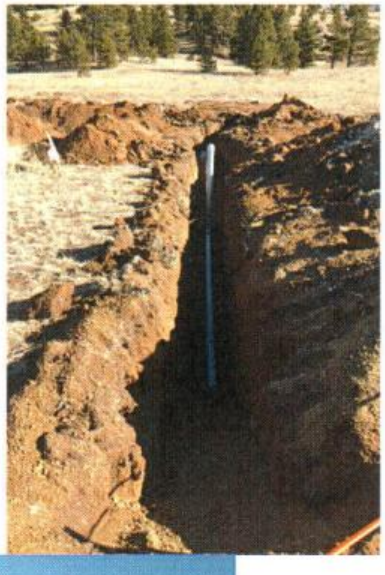
As Built Photographs:











Invoice

Sun Peak Engineering Inc
9 County Rd 78
Woodland Park, CO 80863
719-687-6232

Date	Invoice No.
03/02/18	1803-2

Bill To:
Above Treeline Construction Steve Copp PO Box 5432 Woodland Park, CO 80866

Job Location
39466 Highway 24 Lake George, CO

Terms
Billed by 31st, Due on the 10th

Item	Description	Quantity	Rate	Amount
5	Septic Final Inspection		350.00	350.00
			Total	$350.00