

On-Site Sewage Disposal Report
TSTM 2006-0005 Lot 2

Percolation tests were conducted June 2005 at twelve (12) inches and a thirty (30) inch depth. The percolation tests were performed at the locations marked on the attached parcel map. The average rate for the twelve (12) inch depths was 37 min/in and the thirty (30) inch depth was 112 min/in. The soil is suitable for a sandfilter system.

The recommended minimum usable septic disposal area (M.U.S.D.A.) is 12,000 square feet and shall be provided in the area shown on the attached plot map. The mantle and percolation testing are attached.



12-17-07

**Soil Mantle Observation:**Developer: JW Nut BuyersJob No.: 05528Location: Stern LaneTest Date: June-05Marysville, CADomestic Water: WellParcel No.: APN: 005-710-016

Depth	Texture	Color	Structure	Consistency	Moist	Roots	% Rocks
Mantle 9							
0" - 10"	L	Red Brwn	Sbk	L	Dr	Yes	20% Cobbles
10" - 17"	CL	Red Brwn	Sbk	Fr	Dr	Yes	20% Cobbles
17" - 32"	C	Red Brwn	Sbk	F	D	Yes	0%
32" - 40"	SCL	Red Brwn	Sbk	Fr	D	Few	0%

Comments: Based on the mantle the soil is suitable for a pressure dosed leach field with a sand filter pretreatment system, as long as the percolation testing meets the county requirements. Percolation testing to be done at 12" and 30" depths. Mantle 2 was similar.

Ground Water: None ObservedAvg. Slope: Approx 10-15% to the north eastRock Outcrop: Common on parcelWells: YesVegetation: Native grass and oaksStructures: NoneStream/Pond: None Near MUSDAPreformed By: M. Johnson**Abbreviations::**

USDA Texture: Gravel= G, Sand= S, Loamy Sand= LS, Sandy Loam= SL, Sandy Clay Loam= SCL, Sandy Clay= SC
 Silt Loam= SiL, Loam= L, Clay Loam= CL, Silty Clay Loam= SiCL, Clay= C, Decomposed Granite= DG
 Structure: Granular= G, Platy= P, Blocky= B, Prismatic= PR, Massive= M, Columnar= C, Subangular Blocky= SB
 Consistency: Loose= L, Friable= Fr, Firm= F, Plastic= P, Sticky= St, Hard= H, Soft= S, Cemented= C
 Moisture: Dry= Dr, Damp= D, Very Damp= VD, Saturated= S, Seepage= Se

**Percolation Test Field Data:**Developer: JW Nut BuyersJob No.: 05528Location: Stern LaneTest Date: June-05Marysville, CADomestic Water: WellParcel No.: APN: 005-710-016

Perc Hole : <u>1</u>			Perc Hole : <u>2</u>			Perc Hole : <u>3</u>		
Depth: <u>12</u> in.			Depth: <u>12</u> in.			Depth: <u>12</u> in.		
Time	6" Fill (inch)	Ending (inch)	Time	6" Fill (inch)	Ending (inch)	Time	6" Fill (inch)	Ending (inch)
9:04	8 2/16	-----	9:05	8 10/16	-----	9:06	8 6/16	-----
9:34	8 2/16	6 6/16	9:35	8 10/16	5 4/16	9:36	8 6/16	6 10/16
10:04	8 2/16	7 1/16	10:05	8 10/16	6 2/16	10:06	8 6/16	7 4/16
10:34	8 2/16	7 6/16	10:35	8 10/16	6 12/16	10:36	8 6/16	7 12/16
11:04	8 2/16	7 6/16	11:05	8 10/16	7 4/16	11:06	8 6/16	7 12/16
11:34	8 2/16	7 6/16	11:35	8 10/16	7 4/16	11:36	8 6/16	7 12/16
12:04	8 2/16	7 6/16	12:05	8 10/16	7 4/16	12:06	8 6/16	7 12/16
12:34	8 2/16	7 6/16	12:35	8 10/16	7 4/16	12:36	8 6/16	7 12/16
1:04	-----	7 6/16	1:05	-----	7 4/16	1:06	-----	7 12/16
	40.0	min/in		21.8	min/in		48.0	min/in

AVERAGE PERCOLATION RATE: 37 MIN/IN

I HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT THE STATEMENTS MADE ABOVE ARE TRUE AND CORRECT AND THAT THE ABOVE PERCOLATION TESTS WERE DONE IN ACCORDANCE WITH THE INSTRUCTIONS AND THE RESULTS RECORDED ARE TRUE AND CORRECT.

SIGNATURE OF REGISTERED PERSON

C. Campos

PERSON CONDUCTING TEST

**Percolation Test Field Data:**Developer: JW Nut BuyersJob No.: 05528Location: Stern LaneTest Date: June-05Marysville, CADomestic Water: WellParcel No.: APN: 005-710-016

Perc Hole : <u>4</u> Depth: <u>30</u> in.			Perc Hole : <u>5</u> Depth: <u>30</u> in.			Perc Hole : <u>6</u> Depth: <u>30</u> in.		
Time	6" Fill (inch)	Ending (inch)	Time	6" Fill (inch)	Ending (inch)	Time	6" Fill (inch)	Ending (inch)
9:04	9 12/16	-----	9:05	9 8/16	-----	9:06	10 4/16	-----
9:34	9 12/16	8 12/16	9:35	9 8/16	8 10/16	9:36	10 4/16	9 10/16
10:04	9 12/16	9 2/16	10:05	9 8/16	8 15/16	10:06	10 4/16	9 13/16
10:34	9 12/16	9 6/16	10:35	9 8/16	9 3/16	10:36	10 4/16	9 15/16
11:04	9 12/16	9 7/16	11:05	9 8/16	9 3/16	11:06	10 4/16	10
11:34	9 12/16	9 8/16	11:35	9 8/16	9 3/16	11:36	10 4/16	10
12:04	9 12/16	9 8/16	12:05	9 8/16	9 3/16	12:06	10 4/16	10
12:34	9 12/16	9 8/16	12:35	9 8/16	9 3/16	12:36	10 4/16	10
1:04	-----	9 8/16	1:05	-----	9 3/16	1:06	-----	10
	120.0	min/in		96.0	min/in		120.0	min/in

AVERAGE PERCOLATION RATE: 112 MIN/IN

I HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT THE STATEMENTS MADE ABOVE ARE TRUE AND CORRECT AND THAT THE ABOVE PERCOLATION TESTS WERE DONE IN ACCORDANCE WITH THE INSTRUCTIONS AND THE RESULTS RECORDED ARE TRUE AND CORRECT.



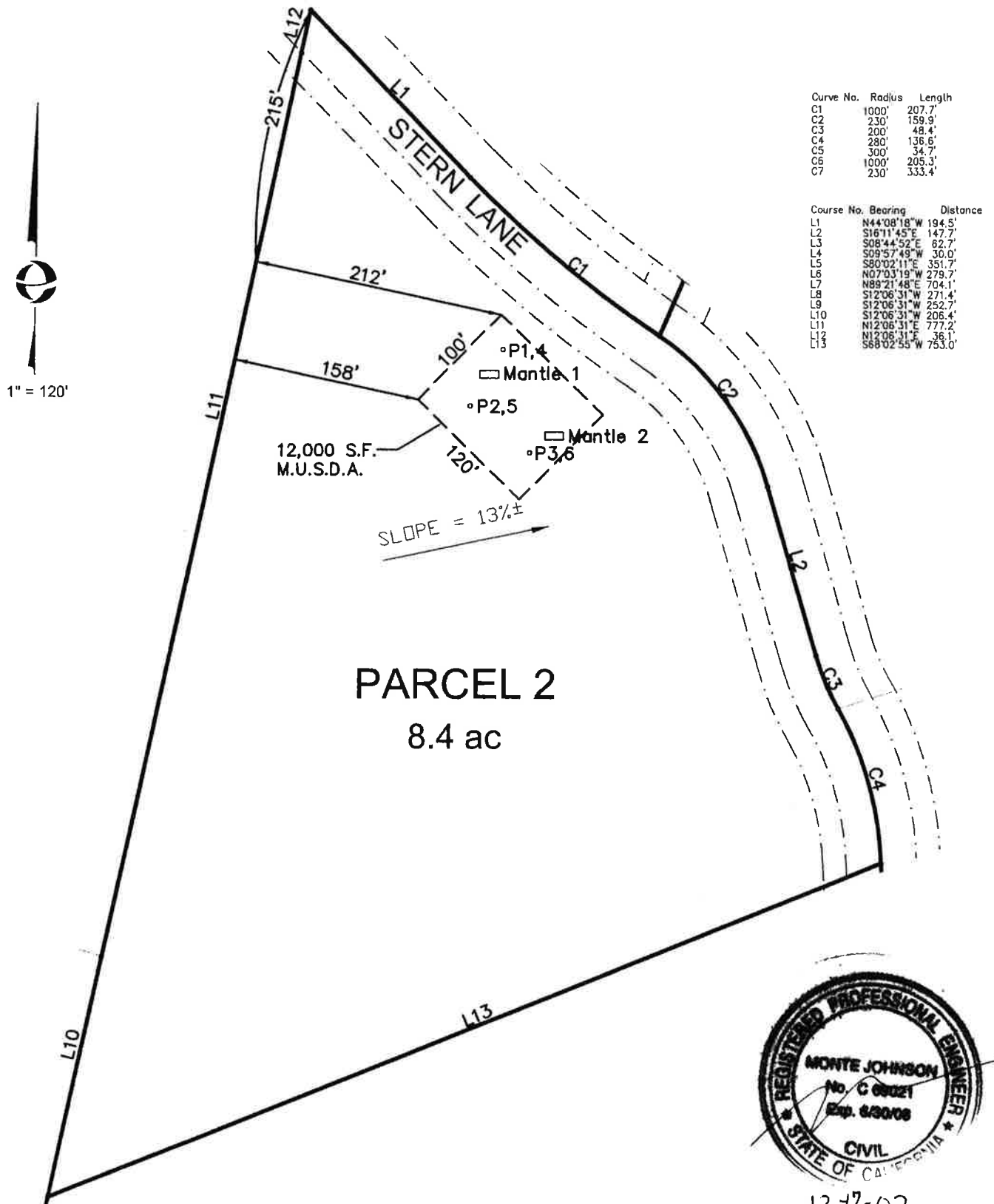
SIGNATURE OF REGISTERED PERSON

C. Campos

PERSON CONDUCTING TEST

EXHIBIT E-1
 PARCEL NO. 1
 TPM 2006-0005
 SEWAGE DISPOSAL MAP

P# = Percolation Hole
 — = Approved Mantle
 X = Non-Approved Mantle



1247-07