PARR ENGINEERING
& CONSULTING, INC.

Christopher L. Parr, P.E. Principal
11590 Black Forest Road, Suite 10, Colorado Springs, CO 80908
Office: 719-494-0404 Cell: 719-659-1313

STA SOIL EVALUATION

Date: February 1, 2017 **Job:** JN: 17.042

Site Location: 10620 Vollmer Road
Colorado Springs, CO 80908

COLORADO LICENSED
CHRISTOPHER LEE PARR
42756
PROFESSIONAL ENGINEER
02-01-17

Purpose of Investigation: To determine general subsurface soil conditions at the site location & to formulate design criteria for the proposed On-Site Wastewater Treatment system (OWTS)

Field Procedure: The materials in the various strata of the soil profile pit were visually classified in accordance with the U.S. Department of Agriculture (USDA) standards.

Profile Pit	Yes
Perc Test	-

Date: (Profile Eval) January 23, 2017
Excavator Contractor
Evaluator D.Mizicko

Depth to Groundwater (permanent or seasonal) Pit #1: Not reached
Depth to Groundwater (permanent or seasonal) Pit #2: Not reached

Depth to Bedrock - Pit #1: Not reached
Depth to Bedrock - Pit #2: Not reached

Other Terrain Features or Soil Conditions: See Attached Site Map

Endorsement: Christopher L. Parr P.E.

Profile Pit 1	
Latitude:	**38° 59' 5.68" N**
Longitude:	**104° 40' 9.94" W**
Layer	Soil Type & LTAR
0 - 1'-6"	Topsoil
1'-6" - 8'-6"	**Type 3A (0.30)**
-	-
-	-

Profile Pit 2	
Latitude:	**38° 59' 5.41" N**
Longitude:	**104° 40' 10.29" W**
Layer	Soil Type & LTAR
0 - 1'-6"	Topsoil
1'-6" - 9'	**Type 3A (0.30)**
-	-
-	-

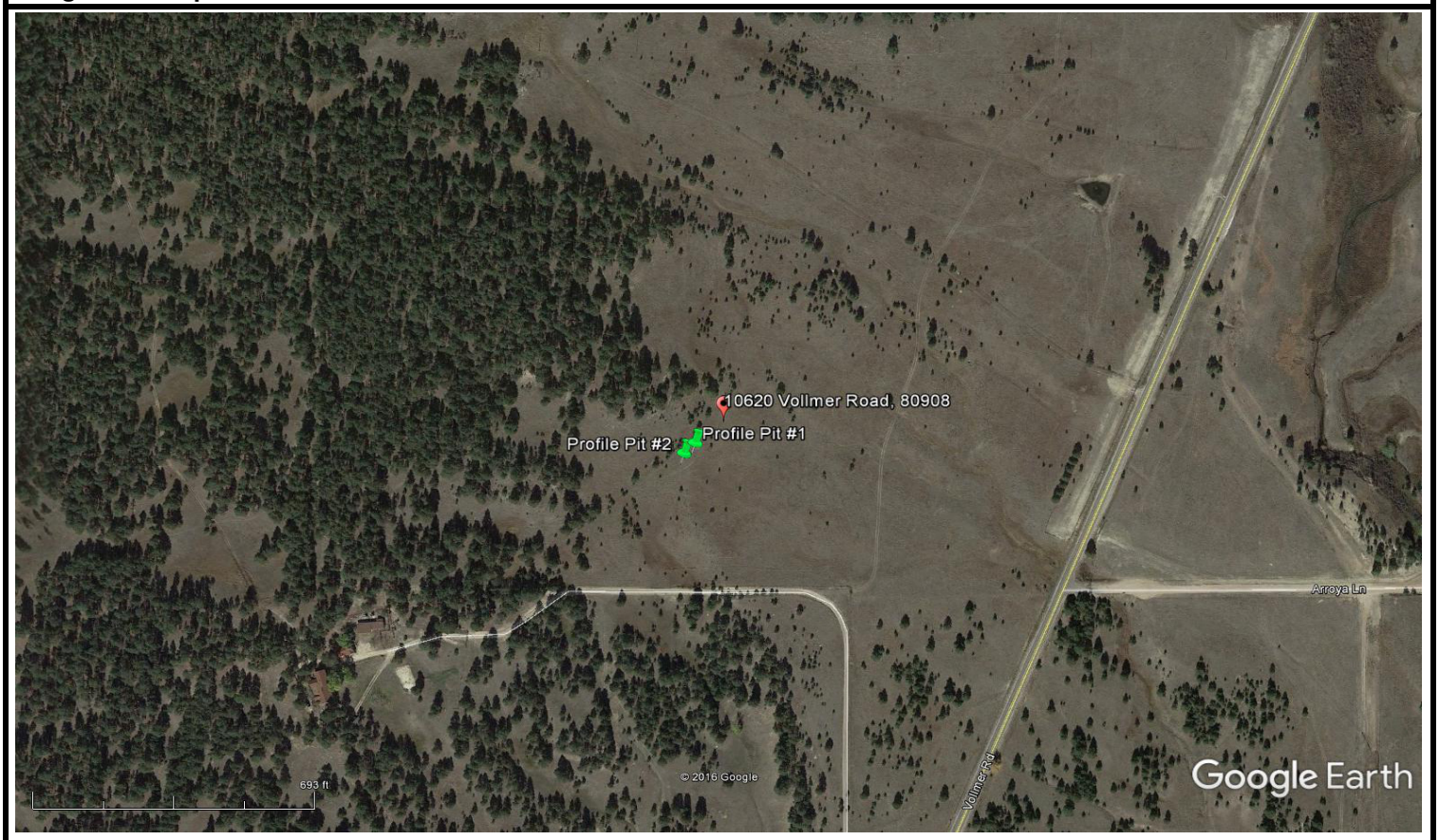
			Location	
			Latitude:	**Longitude:**
Perc #1	N/A	Min./In.	-	-
Perc #2	N/A	Min./In.	-	-
Perc #3	N/A	Min./In.	-	-
	Average:	N/A Min./In.		

Recommendations: **(1) An Engineered On-Site Wastewater Treatment system (OWTS) is required for this location due to: (a) Soil Type 3A identified in the treatment zone of Profile Pit #1 & Profile Pit #2.**

PARR ENGINEERING
& CONSULTING, INC.

Christopher L. Parr, P.E. Principal
11590 Black Forest Road, Suite 10, Colorado Springs, CO 80908
Office: 719-494-0404 Cell: 719-659-1313

Google Site Map



Parr Engineering & Consulting, Inc.
11590 Black Forest Road, Suite 10
Colorado Springs, Colorado 80908
Phone: 719-494-0404

Profile Pit - Log	
Job Number:	17.042
Date Evaluated:	01/23/17
Profile Pit#:	Profile Pit #1

Excavator:	Contractor	Total Depth:	8'-6"
Logged By:	D.Mizicko	STA Slope & Direction:	±4.5% @ S 45° E
Method:	Profile Pit	Latitude:	38° 59' 5.68" N
Auger & Size:	Mini Excavator	Longitude:	104° 40' 9.94" W

10620 Vollmer Road, 80908

Depth (ft.)	Sample Interval	USDA Soil Texture	USDA Soil Structure - Shape	Soil Structure Grade	Redoximorphic Features Present? (Y/N)	Soil Type (from Table 9 in O-14)	% Rock Frag.	Color
		Topsoil						
2		Sandy Clay Loam	Granular	Massive	No	**Type 3A (LTAR = 0.30) Treatment Level 1**	<50%	2.5Y 6/3 (Moist)
4								
6								
8								
		Total Depth = 8'-6"						
10								

Evidence of Groundwater:	**Not Reached**
Depth to Bedrock:	**Not Reached**

Additional Notes:

Parr Engineering & Consulting, Inc.
11590 Black Forest Road, Suite 10
Colorado Springs, Colorado 80908
Phone: 719-494-0404

Profile Pit - Log	
Job Number:	17.042
Date Evaluated:	01/23/17
Profile Pit#:	Profile Pit #2

Excavator:	Contractor	Total Depth:	9'-0"
Logged By:	D.Mizicko	STA Slope & Direction:	±4.5% @ S 45° E
Method:	Profile Pit	Latitude:	38° 59' 5.41" N
Auger & Size:	Mini Excavator	Longitude:	104° 40' 10.29" W

10620 Vollmer Road, 80908

Depth (ft.)	Sample Interval	USDA Soil Texture	USDA Soil Structure - Shape	Soil Structure Grade	Redoximorphic Features Present? (Y/N)	Soil Type (from Table 9 in O-14)	% Rock Frag.	Color
		Topsoil						
2		Sandy Clay Loam	Granular	Massive	No	**Type 3A (LTAR = 0.30) Treatment Level 1**	<50%	2.5Y 6/3 (Moist)
4								
6								
8								
		Total Depth = 9'-0"						
10								

Evidence of Groundwater:	**Not Reached**
Depth to Bedrock:	**Not Reached**

Additional Notes: