

Gun Club Road Waste Investigation Test Pit Log

The following test pit log was documented during excavation of the test pits from April 30 to May 3, 2001. The location of the test pits has been surveyed by a professional surveyor and recorded on the drawing attached to this submittal.

Test Pit	Description
1C	Native soils - clay on top, followed by sand and turning into weathered stone (12' deep, Clean)
2T	2' cover - waste - incinerator ash (ash with some various metal shapes)
3T edge	Not native soils. Some stained soils - light flagging
4T	Trash 01', 40' east of 3T.
5T	Trash 03' 20" north of 4T.
6C	3' fill on top of natural 25' from existing fence.
7C	Natural 5' deep. Sandy silt weathered stone.
8T edge	1' cover - black ash
9C	Natural - clay/weathered stone (5' deep)
10T edge	Trash just below surface. Black Ash MSW. Dug down 1.5' and hit natural. Edge of trash here
11T	Ash - 2' to natural (2.5')
12C	<10' away from 11T. Clean. Toe of existing (2.5')
13 road	Concrete and asphalt road
14	10' from 13 clean. Toe of slope (6' natural cut)
15	Natural clay (2' deep)
16 edge	Asphalt road. Clean clay under (4" thick asphalt)
17T	Compact ash 2' thick to natural.
18 edge	Road. Clean below.
19T	Waste 01: Black ash
20T edge	Cover soils 3' deep. MSW (5' deep) edge of old cut.
21C	20' fromB (original) natural.
22T	Cover soils then trash @ 2". Edge of old lot. Trash goes up under it.
23T edge 22T upslope 10". Found edge. Trash is covered 3' then stops. Dug to 6' deep. Clean natural ground.
	Lunch
24T	2" cover - MSW
25C	Clean. Natural - Clay to 2" then becoming silty.

- 26T edge Trash boundary along old cut (2' relief)
- 27T 3" cover. Thick MSW.
- 28C Edge of trash. Clean with trace of waste. Old Cut line.
- 29C Good clay. Natural (4' deep)
- 30C Natural. (4' deep) 20' west of recently marked property corner
- 31C Natural. (3") down slope 30'
- 32C Natural (3' deep) shoulder of slope
Wednesday
- 33T edge Near phone/power overhead lines.
- 34C Near phone/power line. Old Road Bed - 8" crusher run and some asphalt.
Trash/bricks on surface. No buried waste.
- 35C Trash on surface but no buried waste.
- 36C 2' fill dirt clean on top of natural. Good clay in natural
- 37T 1' cover - Ash and MSW (thick)
- 38T edge 5' from 36C. 3' cover soils. clean. Then good clay natural large concrete debris.
At edge of old cut.
- 39C 30' beyond 40T. Natural stone weathered stone 1-3' silty sand below. 1" old
metal pipe. Dug to 8" but no sign of trash. Appears natural.
- 40T edge Edge of old cut 2' cover. Trace ash mostly MSW.
- 41T Same surface building debris. then buried trash.
- 42C In area covered in vines. Sandy material. Clean. Dug to 8' no sign of waste.
- 43C edge 20' trench following surface cover with light construction debris and MSW
inboard and eventually goes to no fill materials on top of natural. 5' from 42C
- 44C 50' beyond 43C to see if this relatively cleared area has been filled
intermittently. Dug to 5' deep. Sandy soil. Lots of stone. Appears natural. This
pit on edge of shoulder going down hill.
- 45C Over shoulder and down hill. Another apparent shoulder 30' from 44C. Clean.
Natural 4' deep.
- 46C Another 75 beyond 45C. Natural. Good clay (3' deep) way down hill. Mature
growth.
- 47T C&D just below surface. Then MSW. Strong waste odor.
- 48C Next to mature tree growth. Natural soils found 1" metal line. Dug to 6'.
- 49T 2' cover then heavy MSW (3' deep)
- 50T 1' cover then heavy MSW (3' deep) adjacent to old cut.
- 51C 20' beyond old cut. Natural. Clay. 4' deep
- 52T edge Along old edge cut.
- 53T edge Along old edge cut. 4' relief. Dug 8' deep. Waste on down slope side. Natural
up slope. Evidence that at least an 8' cut was made into existing and then filled

- against.
- 54T 1' cover then MSW.
 - 55T edge 40' from 53T (edge). 1-2' cover. Then MSW. Trace ash. This point follows old cut. This is close to an area where edge location of waste turns 90° away from permitted landfill.
 - 56T C&D close to surface (2' deep)
 - 57T edge 2' cover 2' thick dense of waste then clean fill up against old cut edge. 6' deep. Natural soil horizon on high side of cut.
 - 58T 1' cover then ash with lots of rusted flakes.
 - 59 Found asphalt road again under 1' of fill dirt.
 - 60T Approaching shoulder at top of large slope toward woods. First 4' is layers of ash and cover soil. Then good clay.
 - 61T edge On shoulder of long slope. Light cover soil then 2-3 of ash and pushed over bank running down to mature trees. Extended pit 15' down slope. Ash is 1' - 1.5' thick and native. Natural soil horizon underneath.
At this point, a finger of clean area seems to protect back away from the top of slope back across the top several hundred feet wide and several hundred feet back. This area should be further investigated. Back to west along top of slope to see where this trend stops.
 - 62T 2-3 of cover soil and ash Then solid lift of ash 5' thick. Extends down slope and thins out to 1' thick at max reach of excavator some 20' down slope. Mature trees are probable boundary of fill area 35' from shoulder. Excavated 8-10' deep.
 - 63T 20' down slope from shoulder 1' cover then ash. Cannot reach toe. Too much of a slope. Moving around to toe of slope.
 - 64C On the way down slope. Natural, native soil
 - 65T edge Found toe of waste, back ash and pushed over slope.
 - 66T edge Same as 65T 50' over. Found toe of waste @ T.D.S.
 - 67T edge Same as 66T turned corner northward.
 - 68T edge 3-4 of cover soil, concrete debris and ash.
 - 69T edge <1' cover. Found toe of asphalt apparent toe of slope.
 - 70T edge 7' of cover soil in corner. Then NSW.
 - 71T edge 6' of cover soil (clean) then layers of (ash and cover).
 - 71.5C Excavated this pit to see if waste was in this area. Clay and natural soil horizon
 - 72T edge Found at apparent toe of slope (skip, no stake set)
 - 73T edge Same as 72T. 7' of cover soil. Clean then ash and MSW.
 - 74T edge Same as 73T. Spring at bottom. Wet.
 - 75T edge 74.5 - wet cover soil. Dug 6' deep. A lot of water. Too wet to continue. Toe of slope on north side of ravine. 5-6' cover then NSW wet. Toe of slope appears to

NO 57T

outside waste limits?

NOT ON

? where T4

? → 
File? COA 0306

NO
77
Leachate

- go beyond this point.
- 76 20' past steep toe (75T). 4' of cover. To natural soil horizon. No trash found.
 - 77 2' of clean cover soil at toe of steep slope. Appears to be natural soil horizon. Dug 8' deep.
 - 78T edge Up slope of 77 1.5' 3' cover soil then ash and MSW with leachate coming out fast.
 - 79 Dug at toe of slope. Different soil horizon here. No trash found. Sandy clay silt digs like natural ground but soft for first few feet. Went up slope 10' and found same thing.
79 is only 75' from drainage at north east corner unpermitted area.
 - 80 Went back 256' along toe of slope to find edge of trash. Different soil horizon then that of 79. 1' of cover soils. Then back to clay layer under lay by silts and sands typical of natural ground. 79 is probably natural ground with 1' of cover soil with not as much of a clay layer here.

C: clean, no waste found; T: trash found in this test pit. Edge: Edge of the waste found

