

**Area of Special Geotechnical Interest**

**Residual Plastic soils**

The following areas of residual clay soils have a high Plastic Index (greater than 26) and are within 2m of grade:

Location	Sample No.	Sample Depth	P.I.	Moisture %
-L-				
26+20/20Rt	SS-7	1.26-1.56	29	-
50+00/25Lt	S-39	0-3.30	30	-
54+40/CL	SS-100	0-4	34	-
57+20/CL	SS-109	0-3	30	-
62+00/25Lt	SS-122	0-4	31	-
62+00/25Lt	SS-123	4-9	36	-
73+45/20Rt	SS-54	0-1.2.00	28	-
74+60/20Lt	SS-57	1.5-2.83	27	-
77+50/CL	SS-58	1.33-1.63	27	-

The soils after -L- 71+00 to the end of the project 90+31.717 have medium to high P.I. components to them. Exact areas were difficult to define as the boring ahead or behind would have a PI of 24 or 25. This may be an area of concern as the proposed roadway has almost no fill and no cut in this area. Furthermore two springs are within this area.

The following areas of residual clay soils have a high P.I. and are not within 2m of grade but may be considered as possible borrow material:

Location	Sample No.	Sample Depth	P.I.	Moisture %
-L-				
47+20/CL	SS-31	0-2.47	38	30
60+00/CL	S-115	0-3	30	-

**Residential Water Wells**

Wells within the construction limits:

Line	Offset	Station
-L-	19Rt	28+16
-L-	12Lt	28+36
-L-	40Lt	28+92
-L-	12Rt	71+85
-L-	5Lt	77+58
-L-	CL±	78+20

**Environmental wells**

An environmental well is located at -L- 35+20/10Rt. The well is to test for Nitrogen levels from their leach field, as reported by a Southern States representative.

**Springs**

Two springs were noted during this investigation.

Line	Offset	Station
-L-	CL±	74+20
-L-	5Rt±	79+00

**Septic field**

A large septic field for Purina Mills exists at -L- 38+60 to 39+20.

**Underground storage tanks**

One gas station and its UST's were noted at -L- 20+20/20Lt.

Respectfully Submitted,



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