**Project Name:** Ground Failure and Building Performance in Adapazari, Turkey  
**Location:** Site G - Hasircilar Street, Yenigün District, Adapazari  
**Date:** July 6, 2000  
**Field Log by:** Rodolfo B. Sancio  
**Operator:** ZETAS (Zemin Teknolojisi, A. S.)  
**Drilling Method:** Rotary wash with 9 cm-diameter tricone bit  
**Water Table Elevation:** GWL = 0.45 m  
**Notes:** Solid flight auger was used to a depth of 1.3 m

**Drilling Equipment:** Custom made, equivalent to Crealius XC90H

**SPT System:** Rope, pulley and cathead method. AWJ rods. Safety Hammer (per Kovacs et al. 1983)

**Test ID:** SPT-G2  
**GPS Coordinates:** 40.77450°N  30.40896°E  
**Elevation:** -3 cm with respect to CPT-G1

**Hammer Type:** Safety Hammer (per Kovacs et al. 1983)

**Legend**
- S: Spit Spoon (SPT)  
- SH: Shelby tube

**Remarks**
- Fill: Rubble from sidewalk. Black clayey sand with strong odor, probably due to a nearby septic tank
- ML: Brown low plasticity silt with fine sand to sandy silt
- CH: Gray high plasticity silty clay with traces of fine sand
- ML: Gray low plasticity clayey silt to silt with sand. Red clay seams from approximately 6.15 m to 6.2 m
- CH: Soft gray, high plasticity silty clay
- ML: Gray clayey silt with traces of fine sand
- CL: Gray silty clay to clayey silt. Some shells at approx. 10.3 m

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**Depth Scale (m)**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Sample Type</th>
<th>USCS</th>
<th>Recovery/Length (cm)</th>
<th>SPT Blowing 15 cm</th>
<th>Casing Depth (m)</th>
<th>Rod Length (m)</th>
<th>Energy Ratio (%)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>ML</td>
<td>S-G1</td>
<td>0/45</td>
<td>1-2-2</td>
<td>3.67</td>
<td>-</td>
<td>-</td>
<td>Fill: Rubble from sidewalk. Black clayey sand with strong odor, probably due to a nearby septic tank</td>
</tr>
<tr>
<td>1</td>
<td>ML</td>
<td>S-G2-2</td>
<td>35/45</td>
<td>3-4-5</td>
<td>2.45</td>
<td>5.80</td>
<td>58</td>
<td>ML: Brown low plasticity silt with fine sand to sandy silt</td>
</tr>
<tr>
<td>2</td>
<td>ML</td>
<td>S-G2-3A</td>
<td>40/90</td>
<td>3-4-5</td>
<td>1.39</td>
<td>3.25</td>
<td>-</td>
<td>ML: Gray low plasticity clayey silt to silt with sand. Red clay seams from approximately 6.15 m to 6.2 m</td>
</tr>
<tr>
<td>4</td>
<td>ML</td>
<td>S-G2-5B</td>
<td>35/45</td>
<td>2-3-3</td>
<td>5.15</td>
<td>8.84</td>
<td>60</td>
<td>CH: Gray high plasticity silty clay with traces of fine sand</td>
</tr>
<tr>
<td>6</td>
<td>ML</td>
<td>S-G2-7A</td>
<td>40/45</td>
<td>3-4-4</td>
<td>3.45</td>
<td>11.29</td>
<td>-</td>
<td>CH: Soft gray, high plasticity silty clay</td>
</tr>
<tr>
<td>8</td>
<td>CL/ML</td>
<td>S-G2-8</td>
<td>42/42</td>
<td>9.45</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>ML: Gray clayey silt with traces of fine sand</td>
</tr>
<tr>
<td>10</td>
<td>CL/ML</td>
<td>S-G2-10</td>
<td>32/55</td>
<td>4-5</td>
<td>10.85</td>
<td>14.04</td>
<td>61</td>
<td>CLAY: Gray silty clay to clayey silt. Some shells at approx. 10.3 m</td>
</tr>
</tbody>
</table>

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**Sample and No.**
- S-G2-1
- S-G2-2
- S-G2-3A
- S-G2-3B
- S-G2-4
- S-G2-5B
- S-G2-7A
- S-G2-8
- S-G2-10

**Sponsored by:**  
- NSF, Caltrans  
- CEC, PG&E

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**Remarks**
- Fill: Rubble from sidewalk. Black clayey sand with strong odor, probably due to a nearby septic tank
- ML: Brown low plasticity silt with fine sand to sandy silt
- CH: Gray high plasticity silty clay with traces of fine sand
- ML: Gray low plasticity clayey silt to silt with sand. Red clay seams from approximately 6.15 m to 6.2 m
- CH: Soft gray, high plasticity silty clay
- ML: Gray clayey silt with traces of fine sand
- CL: Gray silty clay to clayey silt. Some shells at approx. 10.3 m

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**Legend**
- S: Spit Spoon (SPT)  
- SH: Shelby tube
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**Location:** Site G - Hasircilar Street, Yenigün District, Adapazari  
**Date:** July 6, 2000  
**Field Log by:** Rodolfo B. Sancio  
**Operator:** ZETAS (Zemin Teknolojisi, A. S.)  
**Drilling Method:** Rotary wash with 9 cm-diameter tricone bit  
**Water Table Elevation:** GWL = 0.45 m 07/08/00, 0.45 m 07/14, 0.44 m 08/04  
**Notes:** Solid flight auger was used to a depth of 1.3 m  

**Test ID:** SPT-G2  
**GPS Coordinates:** 40.77450°N 30.40896°E  
**Elevation:** -3 cm with respect to CPT-G1  
**Drilling Equipment:** Custom made, equivalent to Crealius XC90H  
**Responsible Engineers:** J. D. Bray and R. B. Sancio, U. C. Berkeley  
**SPT System:** Rope, pulley and cathead method. AWJ rods.  
**Hammer Type:** Safety Hammer (per Kovacs et al. 1983)  

### Test Log

<table>
<thead>
<tr>
<th>Depth Scale (m)</th>
<th>Lithology</th>
<th>USCS</th>
<th>Sample Type and No.</th>
<th>Recovery Length (cm)</th>
<th>Blower 15 cm</th>
<th>Casing Depth (m)</th>
<th>Rod Length (m)</th>
<th>Energy Ratio (%)</th>
<th>Description</th>
<th>SPT Blows/15 cm</th>
<th>%&lt;5 µm (%)</th>
<th>%&lt;2 µm (%)</th>
<th>%&lt;2 µm (%)</th>
<th>Plasticity Index</th>
<th>% Fines &lt; 75 µm</th>
<th>% Fines &lt; 1 µm</th>
<th>Liquid Limit</th>
<th>Plasticity Index</th>
<th>% Fines &lt; 1 µm</th>
<th>% Fines &lt; 5 µm</th>
<th>% Fines &lt; 5 µm</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>CH/CL</td>
<td>S-G2-9</td>
<td>37/45</td>
<td>2-4-5</td>
<td>10.95</td>
<td>14.94</td>
<td>61</td>
<td></td>
<td>ML: Interbedded strata of gray low plasticity silt with sand and gray clayey silt. Some red clay seams</td>
<td>200</td>
<td>55</td>
<td>31</td>
<td>51</td>
<td>30</td>
<td>98</td>
<td>61</td>
<td>51</td>
<td>0.001</td>
<td>0.021</td>
<td>-</td>
<td>&lt;1µm</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>ML/CL</td>
<td>S-G2-10A</td>
<td>39/45</td>
<td>5-10-15</td>
<td>11.95</td>
<td>14.94</td>
<td>69</td>
<td></td>
<td></td>
<td>320</td>
<td>36</td>
<td>26</td>
<td>35</td>
<td>26</td>
<td>97</td>
<td>76</td>
<td>18</td>
<td>15</td>
<td>0.021</td>
<td>-</td>
<td>&lt;2µm</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>S-G2-11</td>
<td>37/45</td>
<td>3-4-7</td>
<td>13.95</td>
<td>17.99</td>
<td>70</td>
<td></td>
<td></td>
<td></td>
<td>175</td>
<td>32</td>
<td>47</td>
<td>18</td>
<td>99</td>
<td>47</td>
<td>35</td>
<td>0.006</td>
<td>&lt;2µm</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Legend**  
S: Spit Spoon (SPT)  
SH: Shelby tube