


**PLANILLA DE EVALUACION DE PARAMETROS GEOTECNICOS**

**OBRA:** Palacio de Justicia  
**UBICACIÓN:** 2362 J.A.Saldivar - Dpto. Central

**FECHA:** 09/10/18 **SONDEO: 'SH5-DPSH9**



|            |       |          |       |                              |         |             |              |      |      |                 |        |        |      |    |        |                  |                  |                |                |      |  |   |
|------------|-------|----------|-------|------------------------------|---------|-------------|--------------|------|------|-----------------|--------|--------|------|----|--------|------------------|------------------|----------------|----------------|------|--|---|
| UBICACIÓN: |       | 2362     |       | J.A.Saldivar - Dpto. Central |         |             |              |      |      | X- ESTE (UTM):  |        | 0      |      |    |        |                  |                  |                |                |      |  |  |
| FECHA:     |       | 09/10/18 |       | SONDEO: 'SH5-DPSH9           |         |             |              |      |      | Y- NORTE (UTM): |        | 0      |      |    |        |                  |                  |                |                |      |  |   |
| Cota       | Prof. | W. Line  | U     | Unit W.                      | Unit W. | Tot. Stress | Efect.Stress | G    | Sr   | Cn              | Spt-n2 | Spt-n1 | SPTc | Nb | Dr     | e <sub>min</sub> | e <sub>max</sub> | e <sub>o</sub> | γ <sub>d</sub> | w    |  |   |
|            | m     | m        | tn/m2 | tn/m3                        | corr.   | tn/m2       | tn/m2        |      | %    |                 | 30     | 1.2    |      | 1  | %      |                  |                  |                | tn/m3          |      |  |   |
| 99.70      | 0.00  | 2.30     | 0.00  | 0                            | 0       | 0.00        | 0.00         | 0.00 | 0.00 | 0               |        | 0      | 0    | 0  | 0      |                  |                  |                |                |      |  |   |
| 98.70      | 1.00  |          | 0.00  | 1.76                         | 1.76    | 1.76        | 1.76         | 2.60 | 0.24 | 1.70            | 10     | 12     | 20   | 0  | 58.32  | 0.30             | 0.90             | 0.55           | 1.68           | 0.05 |  |   |
| 97.70      | 2.00  |          | 0.00  | 1.79                         | 1.79    | 3.55        | 3.55         | 2.60 | 0.58 | 1.48            | 5      | 6      | 9    | 0  | 38.42  | 0.30             | 0.90             | 0.67           | 1.56           | 0.15 |  |   |
| 96.70      | 3.00  |          | 0.70  | 1.92                         | 1.92    | 5.47        | 4.77         | 2.60 | 0.73 | 1.35            | 11     | 13.2   | 18   | 0  | 54.58  | 0.30             | 0.90             | 0.57           | 1.65           | 0.16 |  |   |
| 95.70      | 4.00  |          | 1.70  | 2.17                         | 2.17    | 7.64        | 5.94         | 2.60 | 0.97 | 1.25            | 32     | 38.4   | 48   | 0  | 89.62  | 0.30             | 0.90             | 0.36           | 1.91           | 0.14 |  |   |
| 94.70      | 5.00  |          | 2.70  | 2.23                         | 2.23    | 9.86        | 7.16         | 2.60 | 0.99 | 1.17            | 43     | 51.6   | 60   | 0  | 100.00 | 0.30             | 0.90             | 0.30           | 2.00           | 0.11 |  |   |
| 93.70      | 6.00  |          | 3.70  | 2.21                         | 2.21    | 12.07       | 8.37         | 2.60 | 0.95 | 1.09            | 44     | 52.8   | 57   | 0  | 97.88  | 0.30             | 0.90             | 0.31           | 1.98           | 0.11 |  |   |
| 92.70      | 7.00  |          | 4.70  | 2.18                         | 2.18    | 14.25       | 9.55         | 2.60 | 0.93 | 1.02            | 43     | 51.6   | 53   | 0  | 93.80  | 0.30             | 0.90             | 0.34           | 1.94           | 0.12 |  |   |
| 91.70      | 8.00  |          | 5.70  | 2.17                         | 2.17    | 16.42       | 10.72        | 2.60 | 0.92 | 0.97            | 45     | 54     | 52   | 0  | 93.20  | 0.30             | 0.90             | 0.34           | 1.94           | 0.12 |  |   |
| 90.70      | 9.00  |          | 6.70  | 2.06                         | 2.06    | 18.48       | 11.78        | 2.60 | 0.83 | 0.92            | 32     | 38.4   | 35   | 0  | 76.66  | 0.30             | 0.90             | 0.44           | 1.81           | 0.14 |  |   |
| 89.70      | 10.00 |          | 7.70  | 2.18                         | 2.18    | 20.66       | 12.96        | 2.60 | 0.97 | 0.87            | 40     | 48     | 42   | 0  | 83.48  | 0.30             | 0.90             | 0.35           | 1.93           | 0.13 |  |   |

|       |       |        |     |       |        |             |           |          |          |       |       |       | Love       |                           |     |      |        |       |       |       |       |
|-------|-------|--------|-----|-------|--------|-------------|-----------|----------|----------|-------|-------|-------|------------|---------------------------|-----|------|--------|-------|-------|-------|-------|
|       |       |        |     |       |        |             |           |          |          |       |       |       | Δσ         | p*{1-[1/(1+(R/z)^2)]^3/2} |     |      |        |       |       |       |       |
|       |       |        |     |       |        |             |           |          |          |       |       |       | 1,2>β>0,25 | FS                        | FS  | FS   | area   |       |       |       |       |
| DMT   |       |        |     |       |        |             |           | 2.50     | 3.00     | DMT   | 3.00  | 3.97  | 17         | 1.125                     | 1.4 | 0.00 | 17.00  | 67.56 |       |       |       |
| Cota  | Prof. | Torque | Tr  | fsu   | Su     | α - Arcilla | β -Arenas | σadm lat | σadm end | M     | E     | σadm  | Δσ         | ε                         | Δδ  | δ    | Ks *10 | Φv    | Ko*10 | Ka*10 | Kp*10 |
|       | m     | Kgf.m  | T/N | Tn/m2 | Kg/cm2 |             |           | Tn/m2    | Tn/m2    | Mpa   | Mpa   | Tn/m2 | Tn/m2      | (%)                       | mm  | mm   | Kg/cm3 |       |       |       |       |
|       |       |        |     |       |        |             |           |          |          |       |       |       |            |                           |     | 8.12 |        |       |       |       |       |
| 99.70 | 0.00  | 0      |     | 0.00  |        | 0.55        |           | 0.00     | 0.00     | 0.0   | 0.0   | 0.00  |            |                           |     | 0.0  | 0      | 0     | 0     | 0     | 0     |
| 98.70 | 1.00  |        |     | 0.00  |        | 0.55        | 1.26      | 0.88     | 40.81    | 49.8  | 37.2  | 13.6  | 16.361     |                           |     | 0.0  | 7.3    | 34    | 4.45  | 2.87  | 24.90 |
| 97.70 | 2.00  |        |     | 0.00  |        | 0.55        | 1.15      | 1.64     | 17.71    | 24.9  | 18.6  | 5.9   | 15.228     | 0.6                       | 3.7 | 3.7  | 14.7   | 31    | 4.91  | 3.25  | 20.72 |
| 96.70 | 3.00  |        |     | 0.00  |        | 0.55        | 1.08      | 2.05     | 35.75    | 54.8  | 40.9  | 11.9  | 7.694      | 0.1                       | 2.2 | 5.9  | 22.0   | 32    | 4.76  | 3.12  | 22.04 |
| 95.70 | 4.00  |        |     | 0.00  |        | 0.55        | 1.01      | 2.40     | 96.38    | 159.5 | 119.0 | 32.1  | 3.858      | 0.0                       | 0.6 | 6.5  | 29.3   | 34    | 4.41  | 2.83  | 25.39 |
| 94.70 | 5.00  |        |     | 0.00  |        | 0.55        | 0.95      | 2.73     | 120.25   | 214.3 | 160.0 | 40.1  | 2.217      | 0.0                       | 0.4 | 6.9  | 36.7   | 34    | 4.37  | 2.80  | 25.76 |
| 93.70 | 6.00  |        |     | 0.00  |        | 0.55        | 0.90      | 3.02     | 114.97   | 219.3 | 163.7 | 38.3  | 1.419      | 0.0                       | 0.3 | 7.2  | 44.0   | 34    | 4.46  | 2.87  | 24.85 |
| 92.70 | 7.00  |        |     | 0.00  |        | 0.55        | 0.85      | 3.26     | 105.57   | 214.3 | 160.0 | 35.2  | 0.980      | 0.0                       | 0.3 | 7.5  | 51.3   | 33    | 4.55  | 2.95  | 23.92 |
| 91.70 | 8.00  |        |     | 0.00  |        | 0.55        | 0.81      | 3.47     | 104.24   | 224.3 | 167.4 | 34.7  | 0.715      | 0.0                       | 0.2 | 7.7  | 58.7   | 33    | 4.61  | 2.99  | 23.42 |
| 90.70 | 9.00  |        |     | 0.00  |        | 0.55        | 0.77      | 3.61     | 70.52    | 159.5 | 119.0 | 23.5  | 0.544      | 0.0                       | 0.3 | 7.9  | 66.0   | 31    | 4.79  | 3.15  | 21.78 |
| 89.70 | 10.00 |        |     | 0.00  |        | 0.55        | 0.73      | 3.77     | 83.64    | 199.4 | 148.8 | 27.9  | 0.427      | 0.0                       | 0.2 | 8.1  | 73.3   | 32    | 4.76  | 3.13  | 21.98 |