

## LABORATORIO DE CONTROL DE CALIDAD Y SUPERVISIÓN S.A. DE C.V.

35 NORTE No.3023, UNIDAD HABITACIONAL AQUILES SERDAN. TEL:. 01 222 2315836,8686973,8686974

## "REGISTRO DEL ENSAYO A FLEXIÓN DE VIGAS DE CONCRETO CON CARGA A LOS TERCIOS DEL CLARO" METODOS EMPLEADOS: NMX-C-161-ONNCCE-2013,NMX-C-191-ONNCCE-2015

| CLIENTE:              | INDHR   | Registro N°: PVF/339/18/9 | ) |
|-----------------------|---|---------------------------|---|
| OBRA:                 | RECONSTRUCCION CON CONCRETO HIDRALICO DE LA TRONCAL DEL PERIFERICO ECOLOGICO DE LOS MUNICIPIOS DE SAN PEDRO | Tipo de Concreto: N       |   |
|                       | CHOLULA Y SAN ANDRES CHOLULA, DEL DISTRIBUIDOR VIAL BOULEVARD FORJADORES AL DISTRIBUIDOR VIAL BOULEVARD     |                           |   |
|                       | ATLIXCAYOTL, EN EL ESTADO DE PUEBLA   |                           |   |
| DIRECCIÓN DE LA OBRA: | Periferico Ecologico de la ciudad de Puebla   | MR de proyecto: 48        |   |
| ELEMENTO COLADO:      | LOSA MR CUERPO IZQUIERDO LADO IZQUIERDO KM 12+874 AL KM 12+889 Y KM 10+920 AL KM 10+961                     |                           |   |

| Identificacion de la  | Fecha de   | Fecha de   | Edad | Condiciones<br>de curado y<br>humedad | Punt   | os de<br>s (si/no) |       | cho<br>m | Pei<br>c | ralte<br>m | Loca | lizacion | de la fall | a en mm | Distancia<br>entre apoyos | Distancia<br>entre puntos | Carga<br>aplicada | Modulo de ruptura | Defectos   | Vel. Aplicación   | Realizó     |
|-----------------------|------------|------------|------|---------------------------------------|--------|--------------------|-------|----------|----------|------------|------|----------|------------|---------|---------------------------|---------------------------|-------------------|-------------------|------------|-------------------|-------------|
| muestra               | Colado     | ensayo     | días | humedo/seco<br>(intemperie)           | Lijado | Cuero              | Lec 1 | Lec 2    | Lec 1    | Lec 2      | L1   | L2       | L3         | Prom    |                           | de carga(cm)              | (kgf)             | (kgf/cm²)         | escpecimen | kg/cm² por minuto | Realizo     |
| PVF-XI-10-GLCC-02-384 | 2018-11-10 | 2018-11-17 | 7    | Humedo                                | NO     | SI                 | 15,0  | 15,0     | 15,0     | 15,0       | 25,0 | 33,0     | 20,0       | 26      | 45,0                      | 15,0                      | 2 595             | 34,6              |            | 9,66              | Gabino Mena |
| PVF-XI-10-GLCC-10-387 | 2018-11-10 | 2018-11-21 | 7    | Humedo                                | NO     | SI                 | 15,0  | 15,0     | 15,0     | 15,0       | 55,0 | 60,0     | 57,0       | 57      | 45,0                      | 15,0                      | 2 485             | 33,1              |            | 9,04              | Gabino Mena |
| PVF-XI-10-GLCC-06-385 | 2018-11-10 | 2018-12-08 | 28   | Humedo                                | SI     | NO                 | 15,0  | 15,0     | 15,0     | 15,0       | 29,0 | 37,0     | 42,0       | 36      | 45,0                      | 15,0                      | 3 628             | 48,4              |            | 9,61              | Gabino Mena |
| PVF-XI-10-GLCC-09-386 | 2018-11-10 | 2018-12-08 | 28   | Humedo                                | SI     | NO                 | 15,0  | 15,0     | 15,0     | 15,0       | 32,0 | 45,0     | 39,0       | 39      | 45,0                      | 15,0                      | 3 654             | 48,7              |            | 9,81              | Gabino Mena |
| PVF-XI-10-GLCC-11-388 | 2018-11-10 | 2018-12-08 | 28   | Humedo                                | SI     | NO                 | 15,0  | 15,0     | 15,0     | 15,0       | 45,0 | 56,0     | 47,0       | 49      | 45,0                      | 15,0                      | 3 609             | 48,1              |            | 9,79              | Gabino Mena |
| PVF-XI-10-GLCC-12-389 | 2018-11-10 | 2018-12-08 | 28   | Humedo                                | NO     | SI                 | 15,0  | 15,0     | 15,0     | 15,0       | 48,0 | 60,0     | 56,0       | 55      | 45,0                      | 15,0                      | 3 640             | 48,5              |            | 9,67              | Gabino Mena |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    | 4     |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       | ĺ        |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |          |            |      |          |            |         |                           |                           |                   |                   |            |                   |             |

| <b>N</b> | Inventario de | PRENSA  | FLEXO   |
|----------|---------------|---------|---------|
| Notas:   | instrumento   | PLCC-11 | FLCC-02 |
|          |               |         |         |

ESTE DOCUMENTO SE REFIERE EXCLUSIVAMENTE AL CONCRETO ENSAYADO Y NO DEBE SER REPRODUCIDO EN FORMA PARCIAL SIN LA AUTORIZACIÓN POR ESCRITO DEL LABORATORIO LACOCS

Supervisó: Laura Castillo NO HAY FIRMA

Nombre,firma y puesto

Page 1/1 FI-09-LCC-01-0.2