

ANEXOS

TABLA DE FACTORES DE EQUIVALENCIA DE CARGA

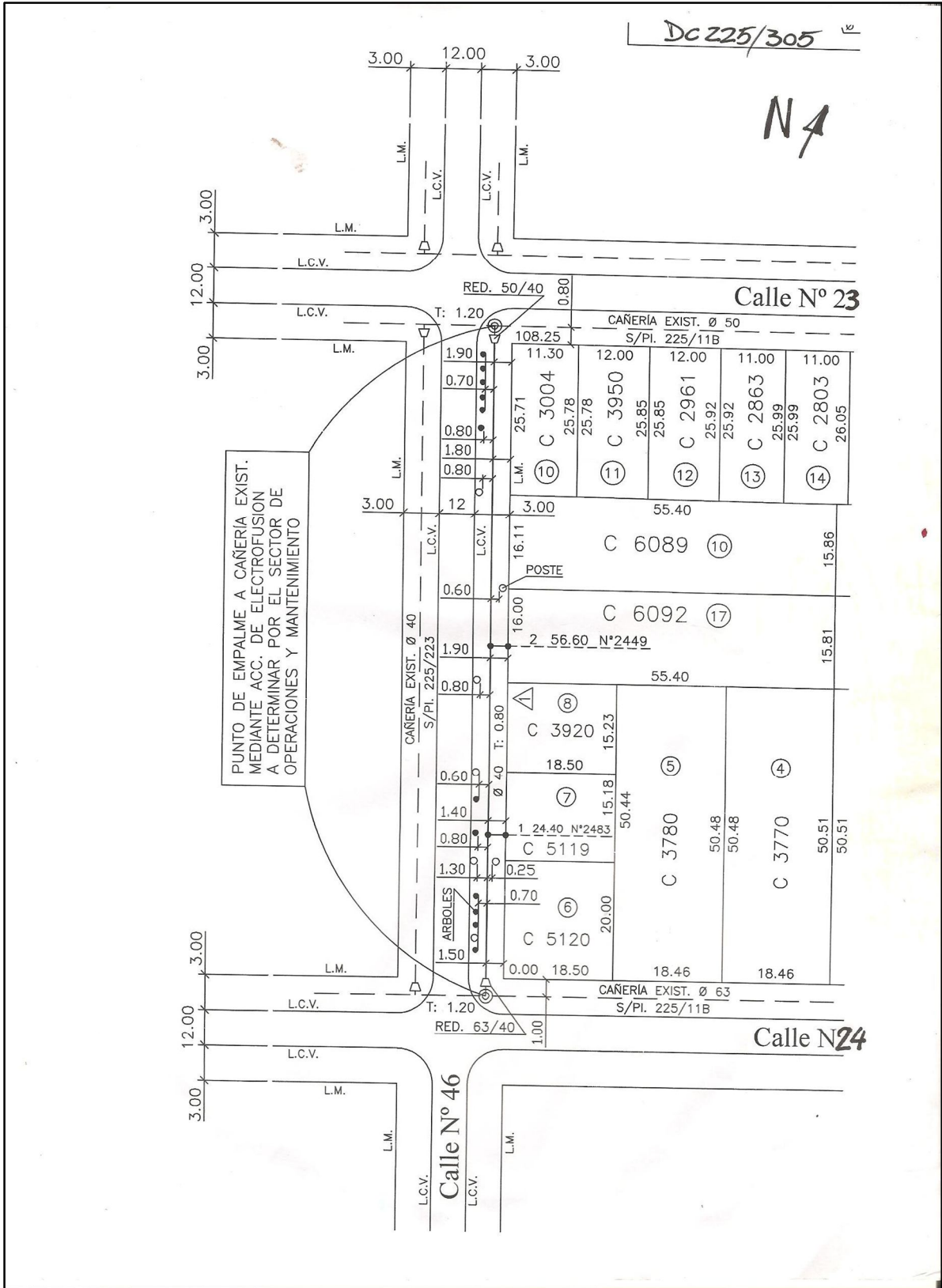
Tabla 20.13a Factores de equivalencia de carga por eje para pavimentos flexibles, ejes sencillos y p_t de 2.5

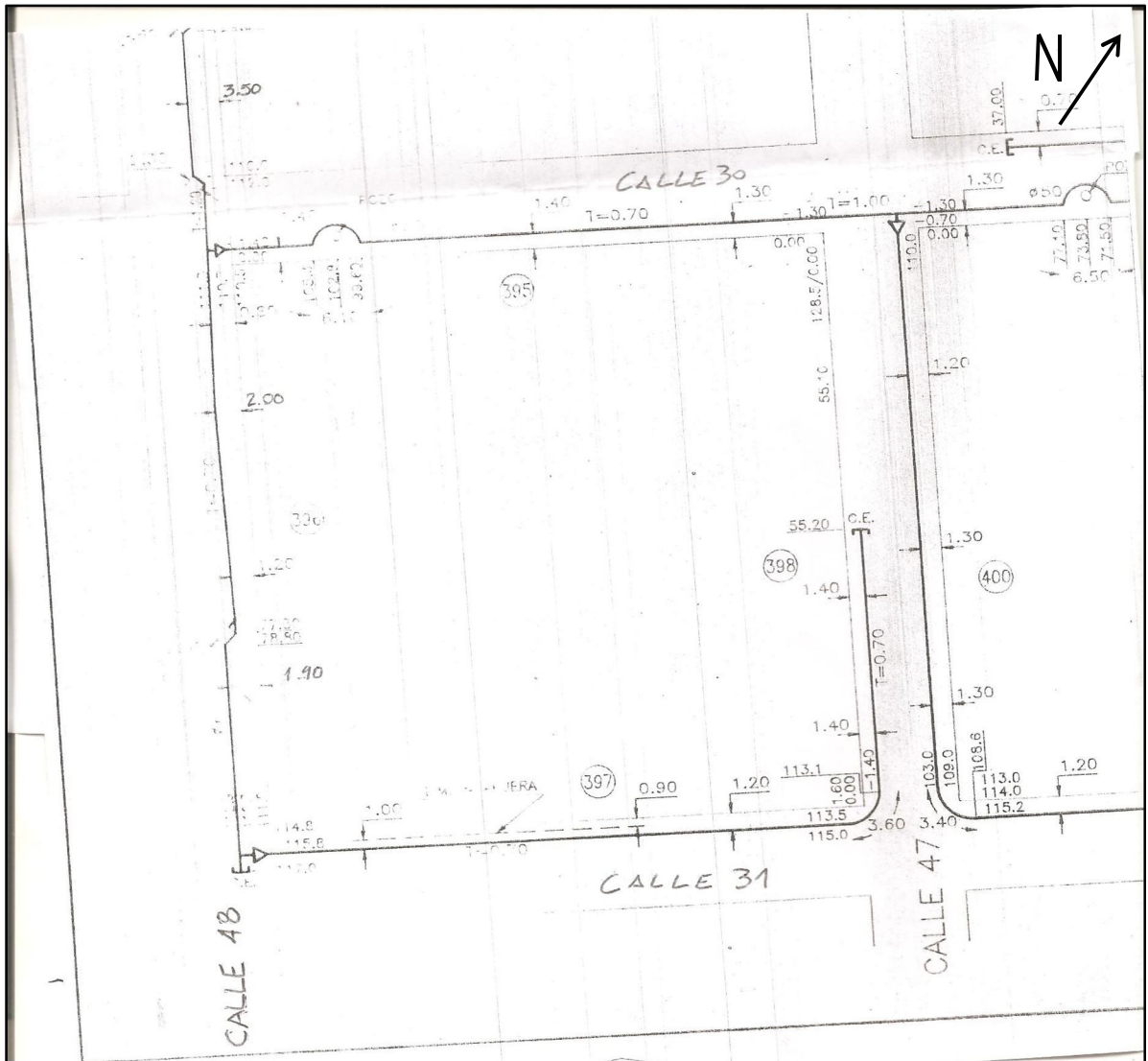
| Carga por eje (kips) | Número estructural (SN) del pavimento | | | | | |
|-------------------------|---------------------------------------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 2 | .0004 | .0004 | .0003 | .0002 | .0002 | .0002 |
| 4 | .003 | .004 | .004 | .003 | .002 | .002 |
| 6 | .011 | .017 | .017 | .013 | .010 | .009 |
| 8 | .032 | .047 | .051 | .041 | .034 | .031 |
| 10 | .078 | .102 | .118 | .102 | .088 | .080 |
| 12 | .168 | .198 | .229 | .213 | .189 | .176 |
| 14 | .328 | .358 | .399 | .388 | .360 | .342 |
| 16 | .591 | .613 | .646 | .645 | .623 | .606 |
| 18 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 20 | 1.61 | 1.57 | 1.49 | 1.47 | 1.51 | 1.55 |
| 22 | 2.48 | 2.38 | 2.17 | 2.09 | 2.18 | 2.30 |
| 24 | 3.69 | 3.49 | 3.09 | 2.89 | 3.03 | 3.27 |
| 26 | 5.33 | 4.99 | 4.31 | 3.91 | 4.09 | 4.48 |
| 28 | 7.49 | 6.98 | 5.90 | 5.21 | 5.39 | 5.98 |
| 30 | 10.3 | 9.5 | 7.9 | 6.8 | 7.0 | 7.8 |
| 32 | 13.9 | 12.8 | 10.5 | 8.8 | 8.9 | 10.0 |
| 34 | 18.4 | 16.9 | 13.7 | 11.3 | 11.2 | 12.5 |
| 36 | 24.0 | 22.0 | 17.7 | 14.4 | 13.9 | 15.5 |
| 38 | 30.9 | 28.3 | 22.6 | 18.1 | 17.2 | 19.0 |
| 40 | 39.3 | 35.9 | 28.5 | 22.5 | 21.1 | 23.0 |
| 42 | 49.3 | 45.0 | 35.6 | 27.8 | 25.6 | 27.7 |
| 44 | 61.3 | 55.9 | 44.0 | 34.0 | 31.0 | 33.1 |
| 46 | 75.5 | 68.8 | 54.0 | 41.4 | 37.2 | 39.3 |
| 48 | 92.2 | 83.9 | 65.7 | 50.1 | 44.5 | 46.5 |
| 50 | 112.0 | 102.0 | 79.0 | 60.0 | 53.0 | 55.0 |

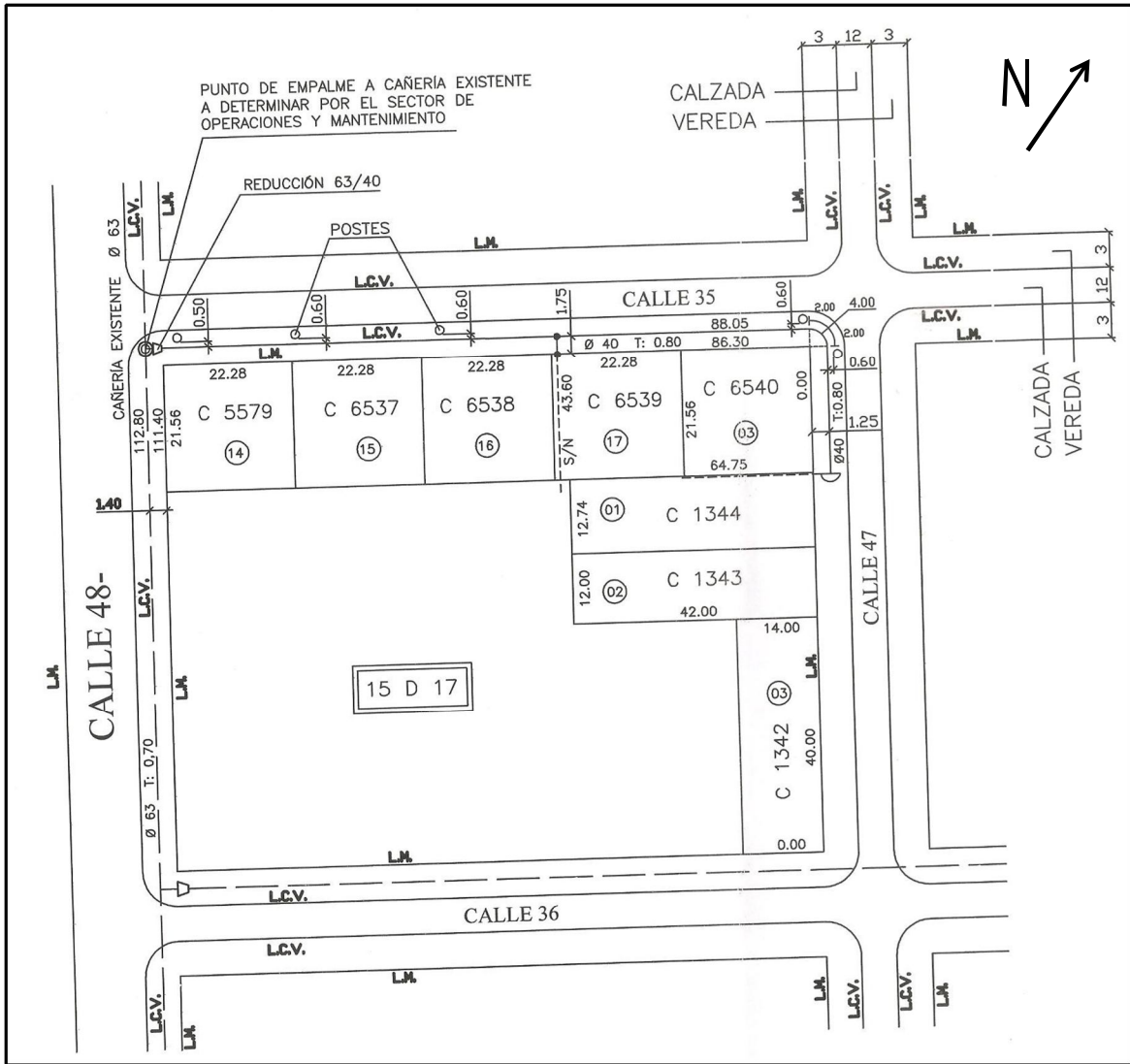
Tabla 20.13b Factores de equivalencia de carga por eje para pavimentos flexibles, ejes tándem y p_t de 2.5

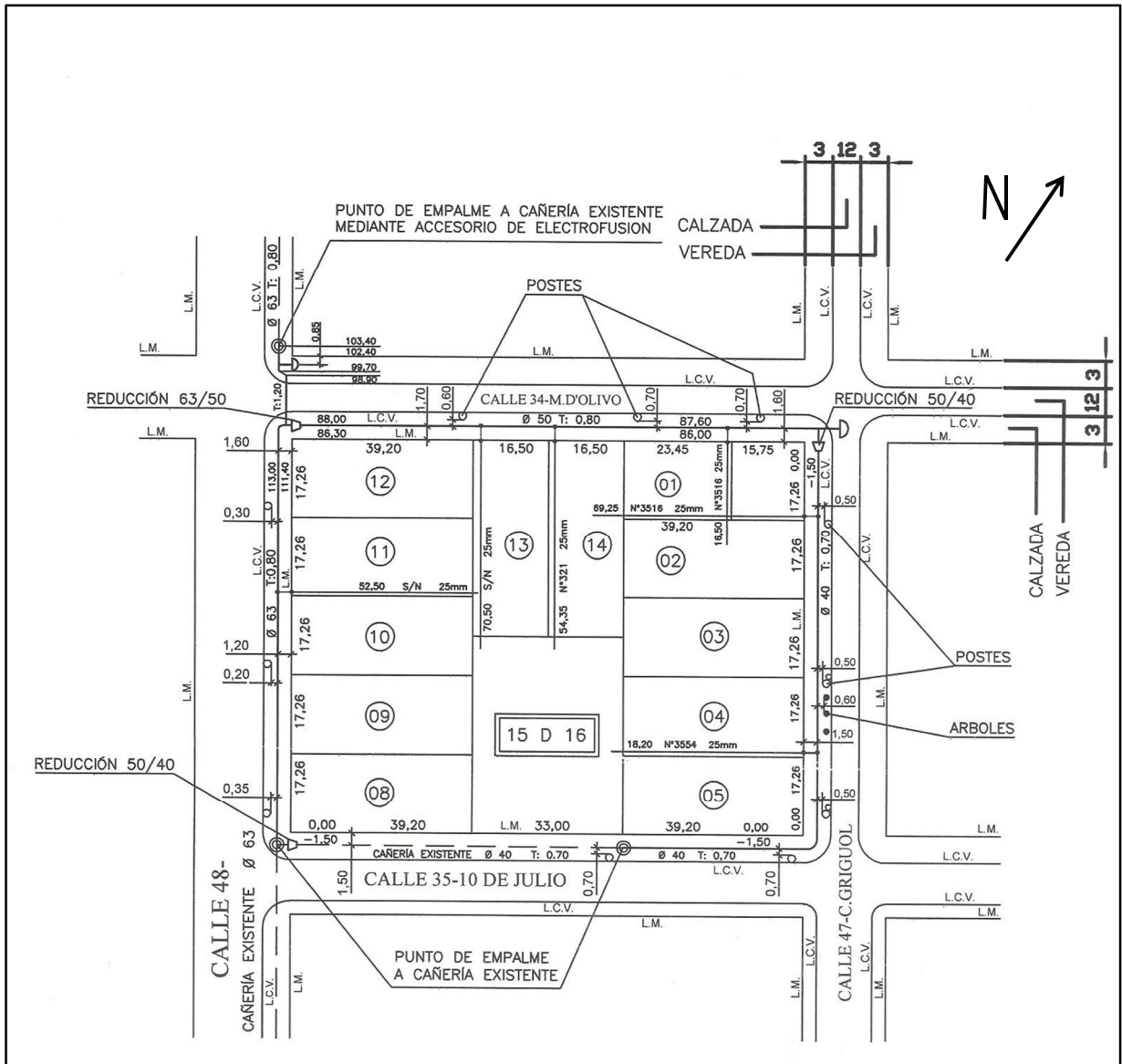
| Carga por eje (kips) | Número estructural (SN) del pavimento | | | | | |
|-------------------------|---------------------------------------|-------|-------|-------|-------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 2 | .0001 | .0001 | .0001 | .0000 | .0000 | .0000 |
| 4 | .0005 | .0005 | .0004 | .0003 | .0003 | .0002 |
| 6 | .002 | .002 | .002 | .001 | .001 | .001 |
| 8 | .004 | .006 | .005 | .004 | .003 | .003 |
| 10 | .008 | .013 | .011 | .009 | .007 | .006 |
| 12 | .015 | .024 | .023 | .018 | .014 | .013 |
| 14 | .026 | .041 | .042 | .033 | .027 | .024 |
| 16 | .044 | .065 | .070 | .057 | .047 | .043 |
| 18 | .070 | .097 | .109 | .092 | .077 | .070 |
| 20 | .107 | .141 | .162 | .141 | .121 | .110 |
| 22 | .160 | .198 | .229 | .207 | .180 | .166 |
| 24 | .231 | .273 | .315 | .292 | .260 | .242 |
| 26 | .327 | .370 | .420 | .401 | .364 | .342 |
| 28 | .451 | .493 | .548 | .534 | .495 | .470 |
| 30 | .611 | .648 | .703 | .695 | .658 | .633 |
| 32 | .813 | .843 | .889 | .887 | .857 | .834 |
| 34 | 1.06 | 1.08 | 1.11 | 1.11 | 1.09 | 1.08 |
| 36 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 |
| 38 | 1.75 | 1.73 | 1.69 | 1.68 | 1.70 | 1.73 |
| 40 | 2.21 | 2.16 | 2.06 | 2.03 | 2.08 | 2.14 |
| 42 | 2.76 | 2.67 | 2.49 | 2.43 | 2.51 | 2.61 |
| 44 | 3.41 | 3.27 | 2.99 | 2.88 | 3.00 | 3.16 |
| 46 | 4.18 | 3.98 | 3.58 | 3.40 | 3.55 | 3.79 |
| 48 | 5.08 | 4.80 | 4.25 | 3.98 | 4.17 | 4.49 |
| 50 | 6.12 | 5.76 | 5.03 | 4.64 | 4.86 | 5.28 |
| 52 | 7.33 | 6.87 | 5.93 | 5.38 | 5.63 | 6.17 |
| 54 | 8.72 | 8.14 | 6.95 | 6.22 | 6.47 | 7.15 |
| 56 | 10.3 | 9.6 | 8.1 | 7.2 | 7.4 | 8.2 |
| 58 | 12.1 | 11.3 | 9.4 | 8.2 | 8.4 | 9.4 |
| 60 | 14.2 | 13.1 | 10.9 | 9.4 | 9.6 | 10.7 |
| 62 | 16.5 | 15.3 | 12.6 | 10.7 | 10.8 | 12.1 |
| 64 | 19.1 | 17.6 | 14.5 | 12.2 | 12.2 | 13.7 |
| 66 | 22.1 | 20.3 | 16.6 | 13.8 | 13.7 | 15.4 |
| 68 | 25.3 | 23.3 | 18.9 | 15.6 | 15.4 | 17.2 |
| 70 | 29.0 | 26.6 | 21.5 | 17.6 | 17.2 | 19.2 |
| 72 | 33.0 | 30.3 | 24.4 | 19.8 | 19.2 | 21.3 |
| 74 | 37.5 | 34.4 | 27.6 | 22.2 | 21.3 | 23.6 |

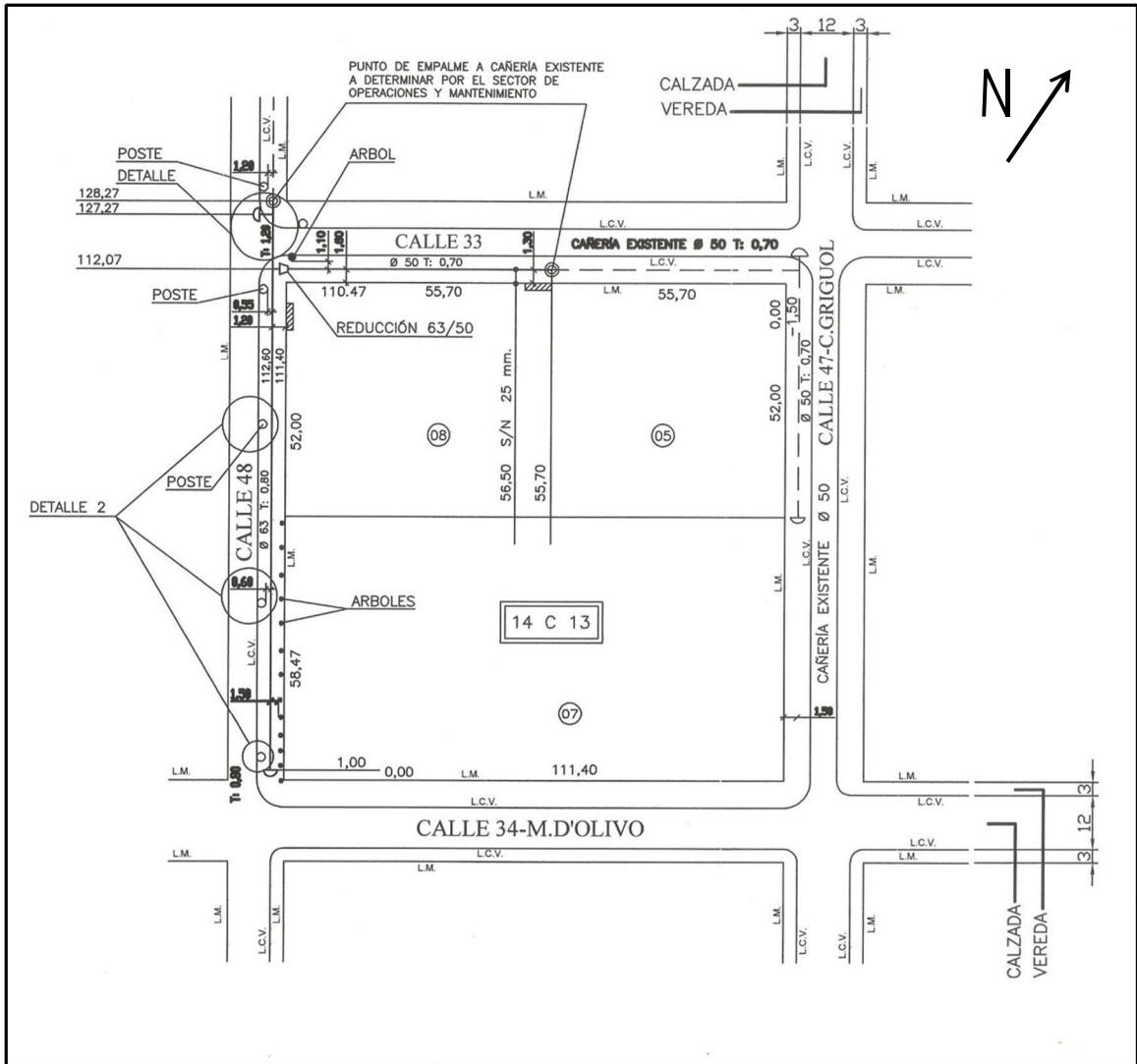
PLANOS CONFORMES A OBRA DE SERVICIO DE GAS NATURAL

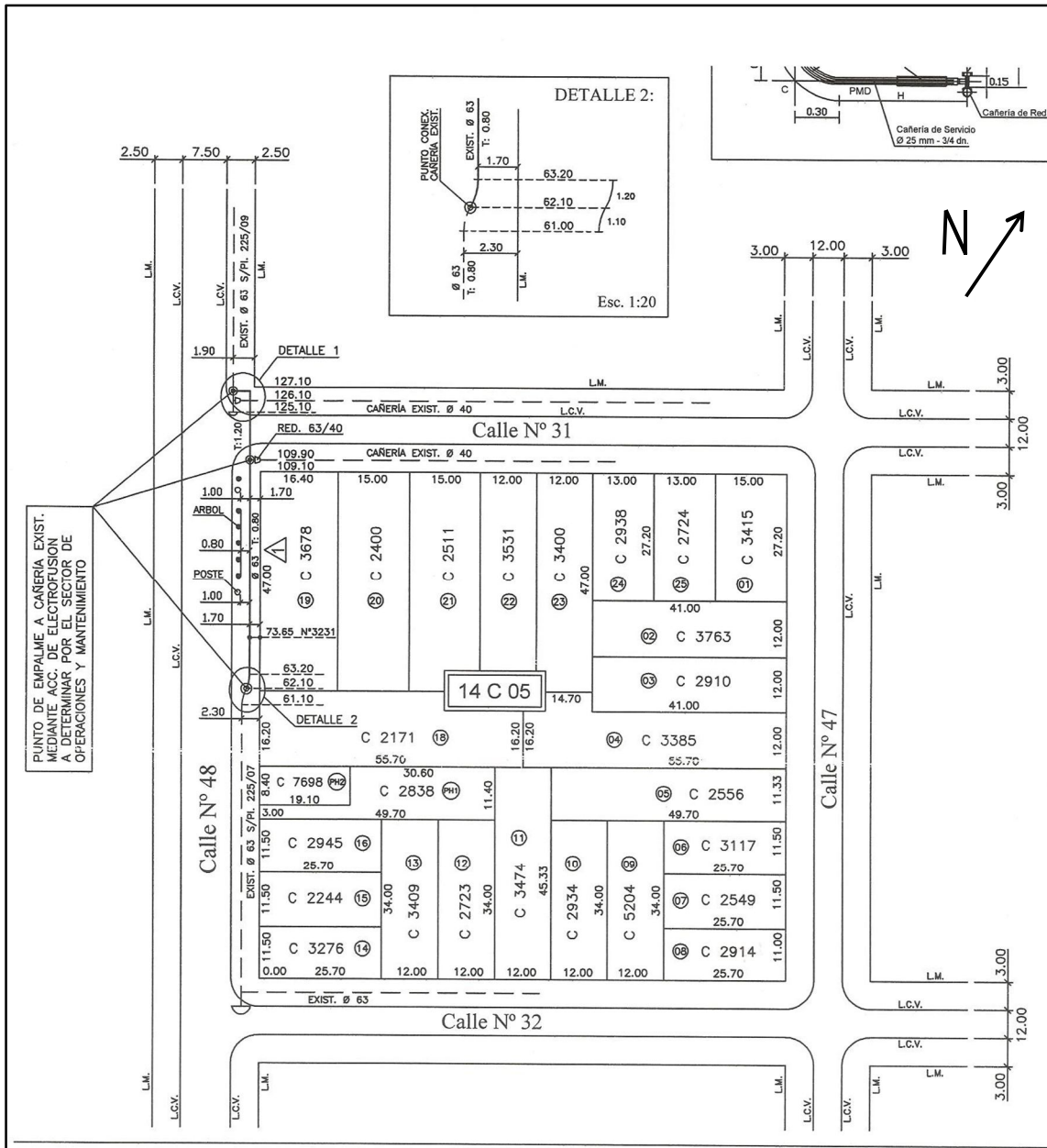












PLANOS DE PROYECTO