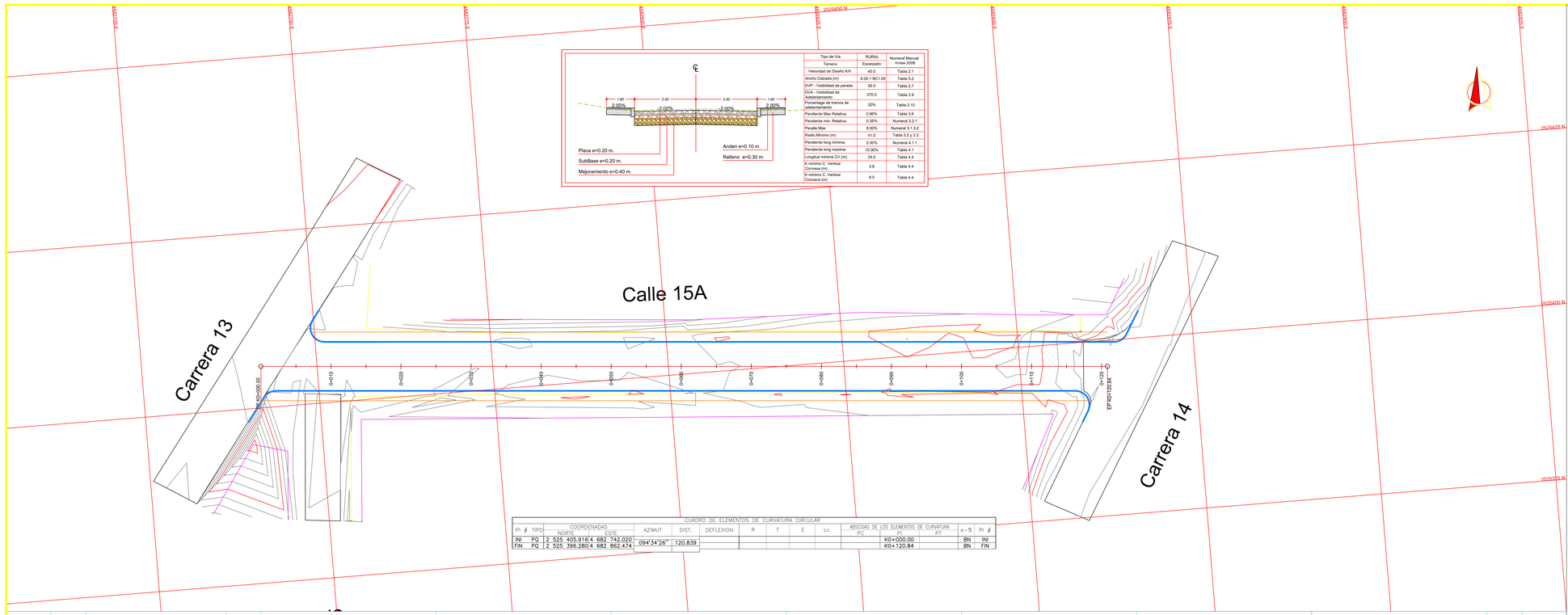


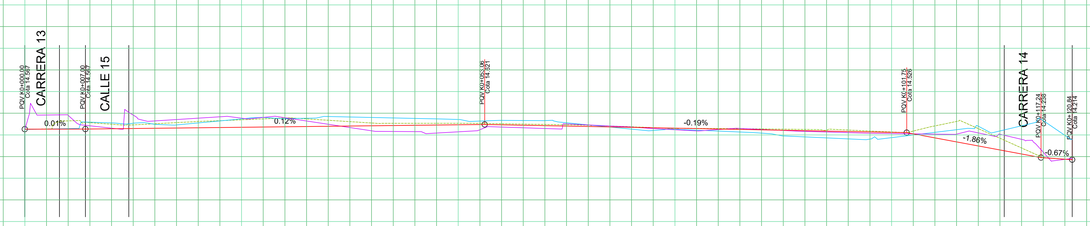

| Tipo de Via / Terreno | RURAL Escarpado | Numeral Manual Invias 2008 |
|---|---|---|
| Velocidad de Diseño K/h | 40.0 | Tabla 2.1 |
| Ancho Calzada (m) | 6.00 + BC1.00 | Tabla 5.2 |
| DVP - Visibilidad de parada | 50.0 | Tabla 2.7 |
| DVA - Visibilidad de Adelantamiento | 270.0 | Tabla 2.9 |
| Porcentaje de tramos de adelantamiento | 20% | Tabla 2.10 |
| Pendiente Max Relativa | 0.96% | Tabla 3.6 |
| Pendiente min. Relativa | 0.35% | Numeral 3.2.1 |
| Peralte Max | 8.00% | Numeral 3.1.3.2 |
| Radio Mínimo (m) | 41.0 | Tabla 3.2 y 3.3 |
| Pendiente long mínima | 0.30% | Numeral 4.1.1 |
| Pendiente long maxima | 10.00% | Tabla 4.1 |
| Longitud minima CV (m) | 24.0 | Tabla 4.4 |
| K mínimo C.Vertical Convexa (m) | 3.8 | Tabla 4.4 |
| K mínimo C.Vertical Concava (m) | 8.5 | Tabla 4.4 |

CUADRO DE ELEMENTOS DE CURVATURA CIRCULAR

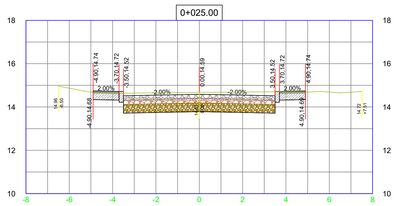
| PI # | TIPO | COORDENADAS NORTE | COORDENADAS ESTE | AZIMUT | DIST. | DEFLEXION | R | T | E | Lc | ABSCISAS DE LOS ELEMENTOS DE CURVATURA PC | PI | PT | e-% | PI # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INI | PQ | 2 525 405.916 | 4 682 742.020 | 094°34'26" | 120.839 | | | | | | | K0+000.00 | | BN | INI |
| FIN | PQ | 2 525 396.280 | 4 682 862.474 | | | | | | | | | K0+120.84 | | BN | FIN |

| | | | | | | |
|---|---|---|---|---|---|---|
| VOLUMENES DE CORTE | 179.89 | 173.07 | 162.99 | 162.12 | 154.20 | VOLUMENES DE CORTE |
| TERRAPLEN | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | TERRAPLEN |

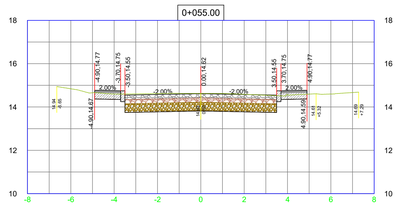
DIAGRAMA DE PENDIENTES: 8 % / 6 % / 4 % / 2 % / 0 / -2 % / -4 % / -6 % / -8 %



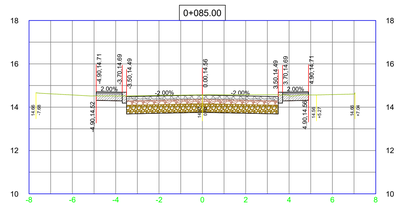

| | | | | | | | | |



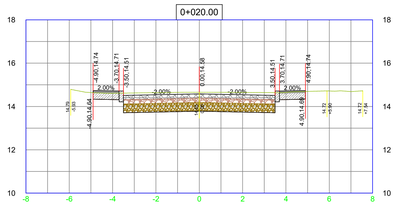

| Volúmenes KD+025.00 | |
|---|---|
| Area Corte (m2) = | 7.45 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 36.65 |
| Vol. Relleno (m3) = | 0.00 |



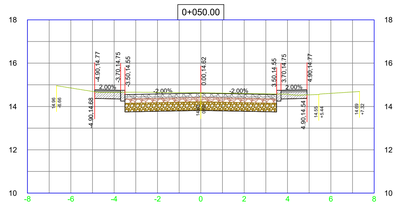

| Volúmenes KD+055.00 | |
|---|---|
| Area Corte (m2) = | 6.44 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 32.68 |
| Vol. Relleno (m3) = | 0.00 |



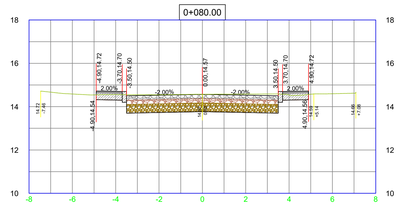

| Volúmenes KD+085.00 | |
|---|---|
| Area Corte (m2) = | 6.55 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 32.78 |
| Vol. Relleno (m3) = | 0.00 |



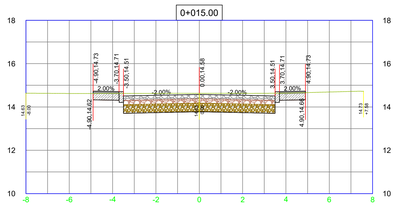

| Volúmenes KD+020.00 | |
|---|---|
| Area Corte (m2) = | 7.21 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 35.86 |
| Vol. Relleno (m3) = | 0.00 |



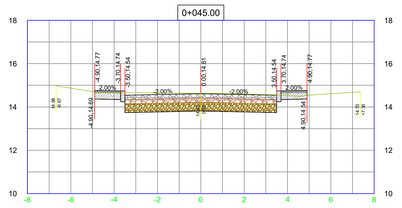

| Volúmenes KD+050.00 | |
|---|---|
| Area Corte (m2) = | 6.63 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 33.24 |
| Vol. Relleno (m3) = | 0.00 |



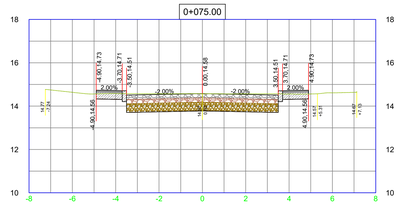

| Volúmenes KD+080.00 | |
|---|---|
| Area Corte (m2) = | 6.56 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 32.72 |
| Vol. Relleno (m3) = | 0.00 |



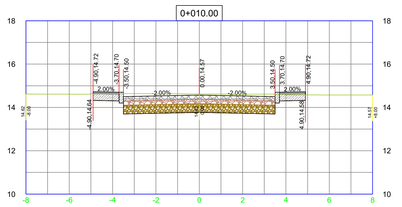

| Volúmenes KD+015.00 | |
|---|---|
| Area Corte (m2) = | 7.13 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 35.60 |
| Vol. Relleno (m3) = | 0.00 |



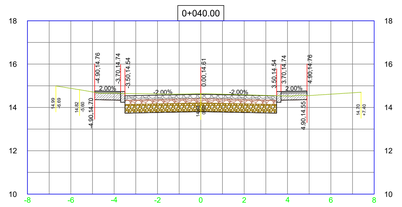

| Volúmenes KD+045.00 | |
|---|---|
| Area Corte (m2) = | 6.67 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 33.24 |
| Vol. Relleno (m3) = | 0.00 |



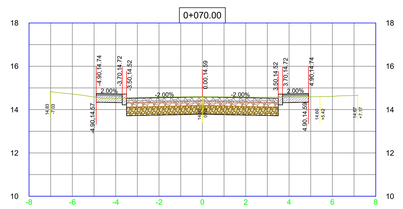

| Volúmenes KD+075.00 | |
|---|---|
| Area Corte (m2) = | 6.53 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 32.50 |
| Vol. Relleno (m3) = | 0.00 |



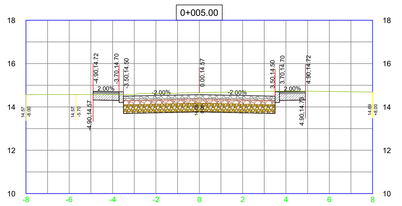

| Volúmenes KD+010.00 | |
|---|---|
| Area Corte (m2) = | 7.11 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 36.50 |
| Vol. Relleno (m3) = | 0.00 |



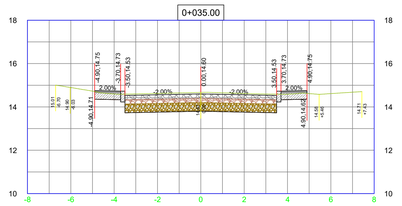

| Volúmenes KD+040.00 | |
|---|---|
| Area Corte (m2) = | 6.63 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 33.71 |
| Vol. Relleno (m3) = | 0.00 |



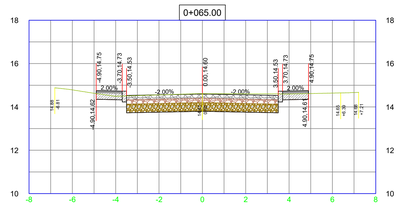

| Volúmenes KD+070.00 | |
|---|---|
| Area Corte (m2) = | 6.47 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 32.27 |
| Vol. Relleno (m3) = | 0.00 |



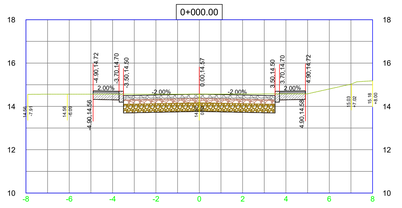

| Volúmenes KD+005.00 | |
|---|---|
| Area Corte (m2) = | 7.40 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 35.29 |
| Vol. Relleno (m3) = | 0.00 |



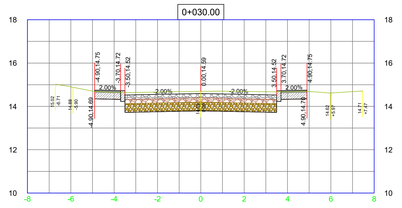

| Volúmenes KD+035.00 | |
|---|---|
| Area Corte (m2) = | 6.86 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 35.69 |
| Vol. Relleno (m3) = | 0.00 |



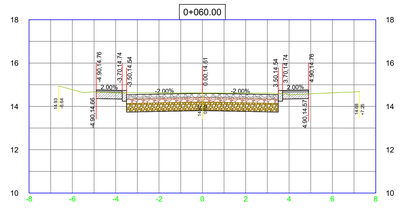

| Volúmenes KD+065.00 | |
|---|---|
| Area Corte (m2) = | 6.44 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 32.77 |
| Vol. Relleno (m3) = | 0.00 |




| Volúmenes KD+000.00 | |
|---|---|
| Area Corte (m2) = | 6.63 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 33.24 |
| Vol. Relleno (m3) = | 0.00 |




| Volúmenes KD+030.00 | |
|---|---|
| Area Corte (m2) = | 7.42 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 37.19 |
| Vol. Relleno (m3) = | 0.00 |




| Volúmenes KD+060.00 | |
|---|---|
| Area Corte (m2) = | 6.67 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 32.77 |
| Vol. Relleno (m3) = | 0.00 |

**LOCALIZACIÓN DEPARTAMENTAL:**

DEPARTAMENTO DE CÓRDOBA




**LOCALIZACIÓN MUNICIPAL:**

MUNICIPIO DE MONTERÍA




Alcaldía de MONTERÍA

**PROYECTÓ:**

Ing. Ricardo Tafur Sánchez
Ingeniero Civil
TP. Nº 25202-151559 CND

**REVISÓ:**

JORGE ANTONIO GONZALEZ AYUS
Ingeniero Civil
TP. Nº 22202-1107697 COR

**CONVENCIONES Y ABREVIATURAS:**

**PLANTA:**

- Eje de Diseño
- Borde de Diseño
- Borde de Andén
- Chaflan Corte
- Chaflan Relleno

**PERFIL:**

- Rasante Proyectada
- Perfil Terreno
- Perfil Izq. Terrazas
- Perfil Der. Terrazas
- Borde Izq. Diag. Peraltes
- Borde Der. Diag. Peraltes

**TOPOGRAFÍA:**

- Eje de Vía Tentativo
- Tuberia bajo anden
- Pavimento en Concreto
- Pavimento en Asafalto
- Pavimento en Adoquin
- Anden Existente
- Linea de Paramento
- Poste Electrico de alta
- Poste Electrico de baja
- Hidrante
- Valvula de Acueducto
- Registro Electrico
- Manhol
- Registro de Gas
- Registro de Agua Potable
- Registro de Aguas servidas
- Registro de Telefonia
- Puntos GNSS
- Salida de Aguas lluvias
- Caja de sumidero

**PROYECTO:**

**PROYECTO N°2**
**RISARALDA, LA VICTORIA, OBRERO, 14 DE JULIO, LA JULIA Y URBINA**

**CONTIENE:**

DISEÑO GEOMETRICO
PLANTA - PERFIL
EJE-20
KO+000.00 - KO+085.00

**ESCALA:**

H 1 : 250
V 1 : 25

**FECHA:**

*SEPTIEMBRE 2024*

**REVISIÓN:**

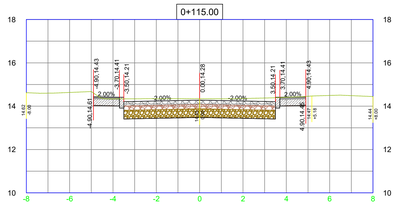
| REV No | FECHA | OBSERVACIÓN |
|---|---|---|
| 1 | 2024-08-29 | TOPOGRAFÍA: CARLOS SOLANO |

**ARCHIVO:**

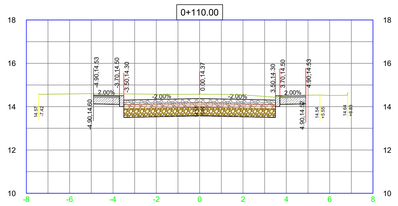
**PP-20**.DWG

**PLANO:**

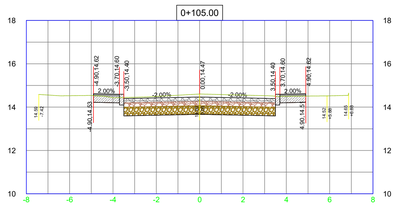
02 DE 03



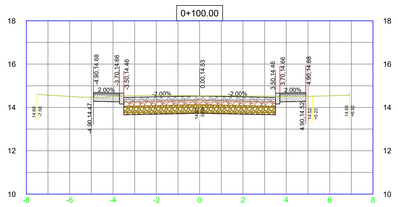

| Volúmenes KO+115.00 | |
|---|---|
| Area Corte (m2) = | 7.44 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 39.52 |
| Vol. Relleno (m3) = | 0.00 |



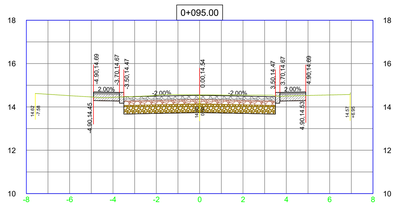

| Volúmenes KO+110.00 | |
|---|---|
| Area Corte (m2) = | 8.37 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 38.87 |
| Vol. Relleno (m3) = | 0.00 |



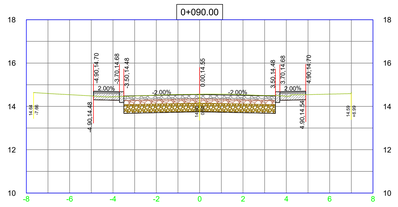

| Volúmenes KO+105.00 | |
|---|---|
| Area Corte (m2) = | 7.18 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 34.39 |
| Vol. Relleno (m3) = | 0.00 |



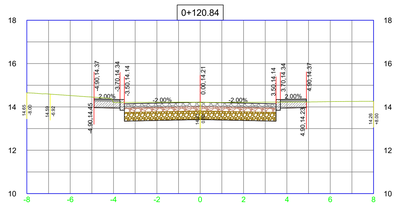

| Volúmenes KO+100.00 | |
|---|---|
| Area Corte (m2) = | 6.58 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 32.57 |
| Vol. Relleno (m3) = | 0.00 |



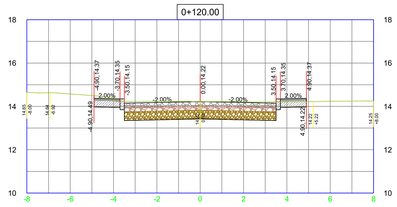

| Volúmenes KO+095.00 | |
|---|---|
| Area Corte (m2) = | 6.45 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 31.89 |
| Vol. Relleno (m3) = | 0.00 |




| Volúmenes KO+090.00 | |
|---|---|
| Area Corte (m2) = | 6.31 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 32.16 |
| Vol. Relleno (m3) = | 0.00 |




| Volúmenes KO+120.84 | |
|---|---|
| Area Corte (m2) = | 6.80 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 5.72 |
| Vol. Relleno (m3) = | 0.00 |




| Volúmenes KO+120.00 | |
|---|---|
| Area Corte (m2) = | 6.85 |
| Area Relleno (m2) = | 0.00 |
| Vol. Corte (m3) = | 39.70 |
| Vol. Relleno (m3) = | 0.00 |

**LOCALIZACIÓN DEPARTAMENTAL:**

DEPARTAMENTO DE CÓRDOBA




**LOCALIZACIÓN MUNICIPAL:**

MUNICIPIO DE MONTERÍA




Alcaldía de MONTERÍA

**PROYECTÓ:**

Ing. Ricardo Tafur Sánchez
Ingeniero Civil
TP. Nº 25202-151559 CND

**REVISÓ:**

JORGE ANTONIO GONZALEZ AYUS
Ingeniero Civil
TP. Nº 22202-1107769 COR

**CONVENCIONES Y ABREVIATURAS:**

**PLANTA:**

- Eje de Diseño
- Borde de Diseño
- Borde de Andén
- Chaflan Corte
- Chaflan Relleno

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- Perfil Terreno
- Perfil Izq. Terrazas
- Perfil Der. Terrazas
- Borde Izq. Diag. Peraltes
- Borde Der. Diag. Peraltes

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- Valvula de Acueducto
- Registro Electrico
- Manhol
- Registro de Gas
- Registro de Agua Potable
- Registro de Aguas servidas
- Registro de Telefonia
- Puntos GNSS
- Salida de Aguas lluvias
- Caja de sumidero

**PROYECTO:**

**PROYECTO N°2**
**RISARALDA, LA VICTORIA, OBRERO, 14 DE JULIO, LA JULIA Y URBINA**

**CONTIENE:**

DISEÑO GEOMETRICO
PLANTA - PERFIL
EJE-20
KO+090.00 - KO+120.84

**ESCALA:**

H 1 : 250
V 1 : 25

**FECHA:**

*SEPTIEMBRE 2024*

**REVISIÓN:**

| REV No | FECHA | OBSERVACIÓN |
|---|---|---|
| 1 | 2024-08-29 | TOPOGRAFÍA: CARLOS SOLANO |

**ARCHIVO:**

**PP-20**.DWG

**PLANO:**

03 DE 03