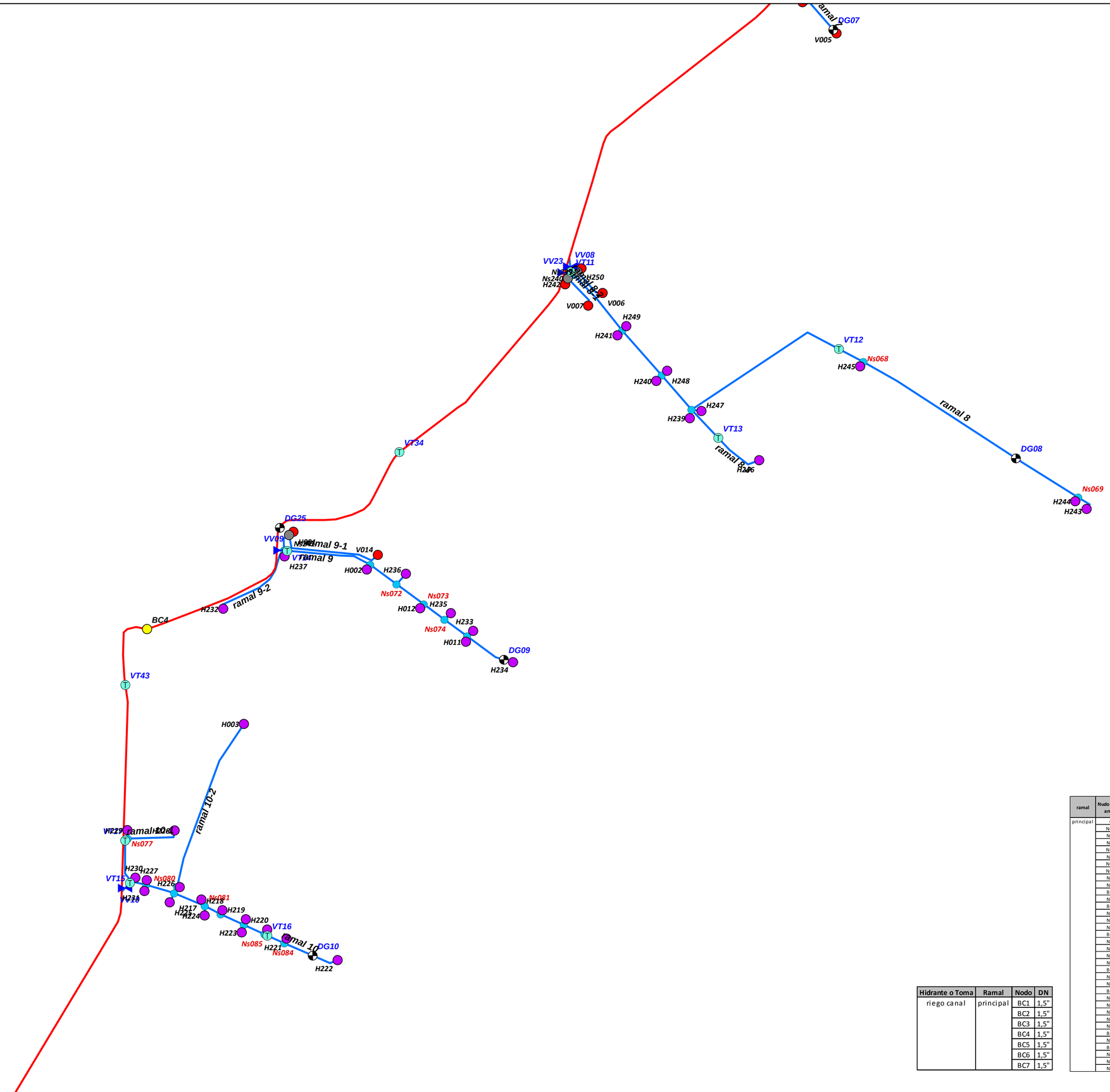


| Hidrante o Toma | Ramal | Nodo | DN |
|---|---|---|---|
| Hidrante múltiple | ramal 8-1 | Ns240 | 1,5" |
| | ramal 8-2 | Ns239 | 1,5" |
| | ramal 9-1 | Ns241 | 1,5" |
| Hidrante simple | ramal 10 | H217 | 1,5" |
| | | H218 | 1,5" |
| | | H219 | 1,5" |
| | | H220 | 1,5" |
| | | H221 | 1,5" |
| | | H222 | 1,5" |
| | | H223 | 1,5" |
| | | H224 | 1,5" |
| | | H225 | 1,5" |
| | | H227 | 1,5" |
| | | H230 | 1,5" |
| | | H231 | 1,5" |
| | ramal 10-1 | H228 | 1,5" |
| | | H229 | 1,5" |
| | ramal 10-2 | H003 | 1,5" |
| | | H226 | 1,5" |
| | ramal 8 | H239 | 2" |
| | | H240 | 1,5" |
| | | H241 | 2" |
| | | H243 | 2" |
| | | H244 | 1,5" |
| | | H245 | 2" |
| | | H247 | 2" |
| | | H248 | 1,5" |
| | | H249 | 1,5" |
| | ramal 8-3 | H246 | 1,5" |
| | ramal 9 | H002 | 1,5" |
| | | H011 | 2" |
| | | H012 | 2" |
| | | H233 | 2" |
| | | H234 | 3" |
| | | H235 | 1,5" |
| | | H236 | 2" |
| | | H237 | 1,5" |
| | ramal 9-2 | H232 | 1,5" |
| Toma de parcela | ramal 8-1 | H242 | 1,5" |
| | | V007 | 1,5" |
| | ramal 8-2 | H250 | 1,5" |
| | | V006 | 1,5" |
| | ramal 9-1 | H001 | 1,5" |
| | | V014 | 1,5" |

| ramal | Nudo aguas arriba | Nudo aguas abajo | Material | Diámetro Nominal (mm) | Presión Trabajo (atm.) | Longitud |
|---|---|---|---|---|---|---|
| ramal 10 | N10 | Ns076 | 125 | PVC | 6 | 14 |
| | Ns076 | H230 | 50 | PE100 | 10 | 6 |
| | | Ns078 | 125 | PVC | 6 | 16 |
| | Ns078 | H227 | 50 | PE100 | 10 | 5 |
| | | H231 | 50 | PE100 | 10 | 7 |
| | | Ns079 | 125 | PVC | 10 | 30 |
| | Ns079 | H225 | 50 | PE100 | 10 | 11 |
| | | Ns081 | 125 | PVC | 10 | 34 |
| | Ns081 | H217 | 50 | PE100 | 10 | 8 |
| | | H224 | 50 | PE100 | 10 | 10 |
| | | Ns082 | 125 | PVC | 10 | 18 |
| | Ns082 | H218 | 50 | PE100 | 10 | 5 |
| | | Ns083 | 90 | PE100 | 10 | 26 |
| | Ns083 | H219 | 50 | PE100 | 10 | 6 |
| | | H223 | 50 | PE100 | 10 | 8 |
| | | Ns085 | 75 | PE100 | 10 | 23 |
| | Ns084 | H221 | 50 | PE100 | 10 | 5 |
| | | H222 | 50 | PE100 | 10 | 60 |
| | Ns085 | H220 | 50 | PE100 | 10 | 6 |
| | | Ns084 | 63 | PE100 | 10 | 22 |
| ramal 10-1 | Ns076 | Ns077 | 63 | PE100 | 10 | 49 |
| | Ns077 | H228 | 50 | PE100 | 10 | 54 |
| | | H229 | 50 | PE100 | 10 | 9 |
| ramal 10-2 | Ns079 | Ns080 | 63 | PE100 | 10 | 7 |
| | Ns080 | H003 | 50 | PE100 | 10 | 183 |
| | | H226 | 50 | PE100 | 10 | 3 |
| ramal 8 | N08 | Ns063 | 160 | PVC | 6 | 19 |
| | Ns063 | Ns064 | 160 | PVC | 10 | 76 |
| | Ns064 | H241 | 63 | PE100 | 10 | 7 |
| | | H249 | 50 | PE100 | 10 | 6 |
| | | Ns065 | 140 | PVC | 10 | 62 |
| | Ns065 | H240 | 50 | PE100 | 10 | 8 |
| | | H248 | 50 | PE100 | 10 | 7 |
| | | Ns067 | 125 | PVC | 10 | 47 |
| | Ns067 | H239 | 63 | PE100 | 10 | 9 |
| | | H247 | 63 | PE100 | 10 | 10 |
| | | Ns068 | 125 | PVC | 10 | 209 |
| | Ns068 | H245 | 63 | PE100 | 10 | 6 |
| | | Ns069 | 75 | PE100 | 10 | 262 |
| | Ns069 | H243 | 63 | PE100 | 10 | 19 |
| | | H244 | 50 | PE100 | 10 | 5 |
| ramal 8-1 | Ns063 | Ns240 | 63 | PE100 | 10 | 7 |
| | Ns240 | H242 | 50 | PE100 | 10 | 7 |
| | | V007 | 50 | PE100 | 10 | 37 |
| ramal 8-2 | Ns063 | Ns239 | 50 | PE100 | 10 | 5 |
| | Ns239 | H250 | 50 | PE100 | 10 | 5 |
| | | V006 | 50 | PE100 | 10 | 36 |
| ramal 8-3 | Ns067 | H246 | 50 | PE100 | 10 | 94 |
| ramal 9 | N09 | Ns070 | 160 | PVC | 6 | 7 |
| | Ns070 | H237 | 50 | PE100 | 10 | 6 |
| | | Ns071 | 160 | PVC | 10 | 92 |
| | Ns071 | H002 | 50 | PE100 | 10 | 6 |
| | | Ns072 | 140 | PVC | 10 | 34 |
| | Ns072 | H236 | 63 | PE100 | 10 | 14 |
| | | Ns073 | 140 | PVC | 10 | 35 |
| | Ns073 | H012 | 63 | PE100 | 10 | 6 |
| | | Ns074 | 125 | PVC | 10 | 27 |
| | Ns074 | H235 | 50 | PE100 | 10 | 9 |
| | | Ns075 | 125 | PVC | 10 | 29 |
| | Ns075 | H011 | 63 | PE100 | 10 | 6 |
| | | H233 | 63 | PE100 | 10 | 8 |
| | | H234 | 90 | PE100 | 10 | 55 |
| ramal 9-1 | Ns070 | Ns241 | 63 | PE100 | 10 | 19 |
| | Ns241 | H001 | 50 | PE100 | 10 | 6 |
| | | V014 | 50 | PE100 | 10 | 106 |
| ramal 9-2 | Ns070 | H232 | 50 | PE100 | 10 | 95 |

| ramal | Nudo aguas arriba | Nudo aguas abajo | Material | Diámetro Nominal (mm) | Presión Trabajo (atm.) | Longitud |
|---|---|---|---|---|---|---|
| principal | 0 | N0G | 800 | PE100 | 6 | 180 |
| | N0G | N0F | 800 | PE100 | 6 | 43 |
| | N0F | N0E | 800 | PE100 | 6 | 91 |
| | N0E | N0D | 800 | PE100 | 6 | 102 |
| | N0D | N0C | 800 | PE100 | 6 | 45 |
| | N0C | N0B | 800 | PE100 | 6 | 62 |
| | N0B | N0A | 800 | PE100 | 6 | 131 |
| | N0A | N00 | 800 | PE100 | 6 | 73 |
| | N00 | N01 | 800 | PE100 | 6 | 73 |
| | N01 | BC1 | 800 | PE100 | 6 | 173 |
| | BC1 | N02 | 800 | PE100 | 6 | 157 |
| | N02 | BC2 | 800 | PE100 | 6 | 297 |
| | BC2 | N03 | 800 | PE100 | 6 | 220 |
| | N03 | N04 | 800 | PE100 | 6 | 230 |
| | N04 | N05 | 800 | PE100 | 6 | 273 |
| | N05 | BC3 | 800 | PE100 | 6 | 260 |
| | BC3 | N06 | 800 | PE100 | 6 | 226 |
| | N06 | N07 | 800 | PE100 | 6 | 103 |
| | N07 | N08 | 800 | PE100 | 6 | 380 |
| | N08 | N09 | 800 | PE100 | 6 | 457 |
| | N09 | BC4 | 800 | PE100 | 6 | 167 |
| | BC4 | N10 | 800 | PE100 | 6 | 294 |
| | N10 | N11 | 800 | PE100 | 6 | 268 |
| | N11 | BC5 | 800 | PE100 | 6 | 384 |
| | BC5 | N12 | 800 | PE100 | 6 | 181 |
| | N12 | N13 | 800 | PE100 | 6 | 224 |
| | N13 | N14 | 710 | PE100 | 6 | 202 |
| | N14 | N15 | 500 | PVC | 6 | 486 |
| | N15 | N16 | 500 | PVC | 6 | 563 |
| | N16 | BC6 | 500 | PVC | 6 | 383 |
| | BC6 | N17 | 500 | PVC | 6 | 243 |
| | N17 | BC7 | 500 | PVC | 6 | 242 |
| | BC7 | N18 | 400 | PVC | 6 | 56 |
| | N18 | N19 | 400 | PVC | 6 | 217 |
| | N19 | N20 | 315 | PVC | 6 | 622 |
| | N20 | N21 | 315 | PVC | 6 | 415 |

| Hidrante o Toma | Ramal | Nodo | DN |
|---|---|---|---|
| riego canal | principal | BC1 | 1,5" |
| | | BC2 | 1,5" |
| | | BC3 | 1,5" |
| | | BC4 | 1,5" |
| | | BC5 | 1,5" |
| | | BC6 | 1,5" |
| | | BC7 | 1,5" |

## Leyenda

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### Valvulería

**tipo**

- Desagüe
- Válvula
- Ventosa

### Hidrantes y Tomas de parcela

**tipos**

- Hidrante multiple
- Hidrante simple
- Toma de parcela

### Nodos

**tipo**

- Boca de Canal (red principal)
- Nodos (red principal)
- Nodos (red secundaria)
- Red de riego (secundaria)
- Red de riego (principal)
- Linea eléctrica subterránea
- Tubería de impulsión a balsa

GOBIERNO DE ESPAÑA — MINISTERIO DE AGRICULTURA, ALIMENTACIÓN Y MEDIO AMBIENTE — SOCIEDAD ESTATAL DE INFRAESTRUCTURAS AGRARIAS seiasa

**PROYECTO DE MODERNIZACIÓN DE REGADÍOS DE LAS VEGAS DEL GUADALQUIVIR. VEGAS ALTAS. SECTOR-IV. PROVINCIA DE JAÉN. FASES I Y II.**

Fecha: Octubre 2012

Escala: 1/2.000 FORMATO ORIGINAL DIN A-1

Ingeniero Autor del Proyecto: D. Álvaro Gutiérrez Valle, Ingeniero Agrónomo. SEIASA.

Visto Bueno: D. Juan Darío Casero Montes. Subdirector de Proyectos y Obras. SEIASA. D.T. Sur y Este.

Conforme: D. Alberto Pulgar Zayas. Director Técnico. SEIASA.

Título: PLANTA. DEFINICIÓN GEOMÉTRICA Y NODOS. RAMALES 8, 9 Y 10

Plano nº: 8

Hoja nº: 3 de 7