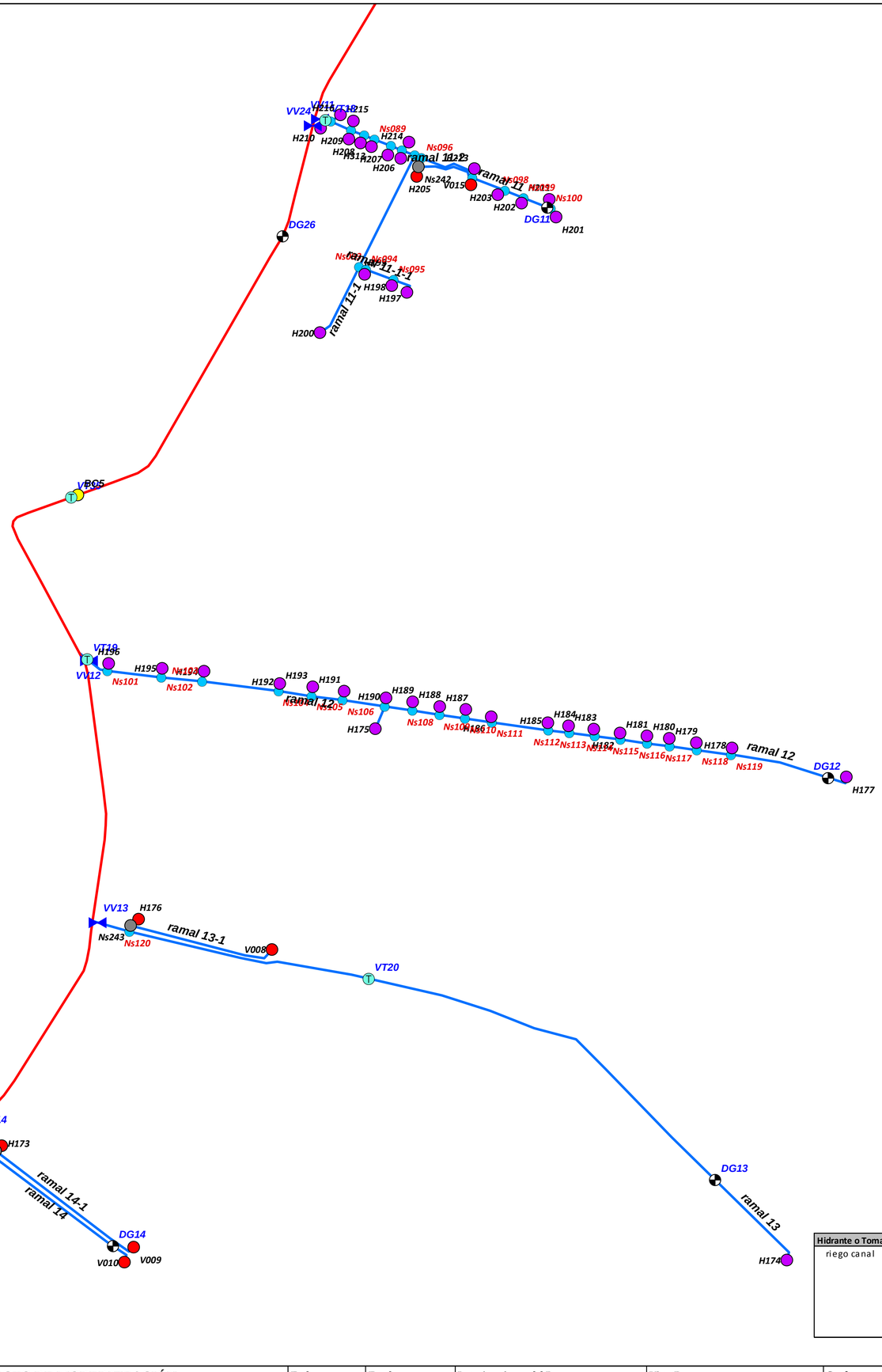
| ramal | Nudo aguas arriba | Nudo aguas abajo | Material | Diámetro Nominal (mm) | Presión Trabajo (atm.) | Longitud |
|---|---|---|---|---|---|---|
| ramal 11 | N11 | Ns086 | 125 | PVC | 6 | 14 |
| | Ns086 | H210 | 50 | PE100 | 10 | 10 |
| | | H216 | 50 | PE100 | 10 | 10 |
| | | Ns087 | 125 | PVC | 6 | 18 |
| | Ns087 | H209 | 50 | PE100 | 10 | 7 |
| | | H215 | 50 | PE100 | 10 | 8 |
| | | Ns088 | 125 | PVC | 6 | 12 |
| | Ns088 | H208 | 50 | PE100 | 10 | 7 |
| | | Ns089 | 125 | PVC | 6 | 9 |
| | Ns089 | H313 | 50 | PE100 | 10 | 6 |
| | | Ns090 | 125 | PVC | 10 | 15 |
| | Ns090 | H207 | 50 | PE100 | 10 | 8 |
| | | Ns091 | 125 | PVC | 10 | 10 |
| | Ns091 | H206 | 50 | PE100 | 10 | 7 |
| | | H214 | 50 | PE100 | 10 | 9 |
| | | Ns092 | 125 | PVC | 10 | 11 |
| | Ns092 | Ns096 | 125 | PVC | 10 | 6 |
| | Ns096 | Ns097 | 90 | PE100 | 10 | 49 |
| | Ns097 | H213 | 50 | PE100 | 10 | 8 |
| | | Ns098 | 90 | PE100 | 10 | 29 |
| | Ns098 | H203 | 50 | PE100 | 10 | 7 |
| | | Ns099 | 75 | PE100 | 10 | 16 |
| | Ns099 | H202 | 50 | PE100 | 10 | 5 |
| | | Ns100 | 63 | PE100 | 10 | 24 |
| | Ns100 | H201 | 50 | PE100 | 10 | 8 |
| | | H211 | 50 | PE100 | 10 | 8 |
| ramal 11-1 | Ns092 | Ns093 | 90 | PE100 | 10 | 103 |
| | Ns093 | H200 | 50 | PE100 | 10 | 64 |
| ramal 11-1-1 | Ns093 | Ns094 | 75 | PE100 | 10 | 6 |
| | Ns094 | H199 | 50 | PE100 | 10 | 4 |
| | | Ns095 | 63 | PE100 | 10 | 24 |
| | Ns095 | H197 | 50 | PE100 | 10 | 20 |
| | | H198 | 50 | PE100 | 10 | 5 |
| ramal 11-2 | Ns096 | Ns242 | 75 | PE100 | 10 | 8 |
| | Ns242 | H205 | 50 | PE100 | 10 | 8 |
| | | V015 | 63 | PE100 | 10 | 53 |
| ramal 12 | N12 | Ns101 | 160 | PVC | 6 | 28 |
| | Ns101 | H196 | 50 | PE100 | 10 | 6 |
| | | Ns102 | 160 | PVC | 10 | 45 |
| | Ns102 | H195 | 50 | PE100 | 10 | 7 |
| | | Ns103 | 160 | PVC | 10 | 34 |
| | Ns103 | H194 | 63 | PE100 | 10 | 9 |
| | | Ns104 | 160 | PVC | 10 | 64 |
| | Ns104 | H192 | 50 | PE100 | 10 | 6 |
| | | Ns105 | 160 | PVC | 10 | 27 |
| | Ns105 | H193 | 50 | PE100 | 10 | 8 |
| | | Ns106 | 160 | PVC | 10 | 26 |
| | Ns106 | H191 | 50 | PE100 | 10 | 7 |
| | | Ns107 | 160 | PVC | 10 | 35 |
| | Ns107 | H175 | 125 | PVC | 10 | 20 |
| | | H190 | 50 | PE100 | 10 | 7 |
| | | Ns108 | 140 | PVC | 10 | 23 |
| | Ns108 | H189 | 50 | PE100 | 10 | 7 |
| | | Ns109 | 140 | PVC | 10 | 23 |
| | Ns109 | H188 | 50 | PE100 | 10 | 7 |
| | | Ns110 | 140 | PVC | 10 | 21 |
| | Ns110 | H187 | 50 | PE100 | 10 | 7 |
| | | Ns111 | 140 | PVC | 10 | 22 |
| | Ns111 | H186 | 63 | PE100 | 10 | 5 |
| | | Ns112 | 125 | PVC | 10 | 47 |
| | Ns112 | H185 | 50 | PE100 | 10 | 6 |
| | | Ns113 | 125 | PVC | 10 | 17 |
| | Ns113 | H184 | 50 | PE100 | 10 | 6 |
| | | Ns114 | 125 | PVC | 10 | 21 |
| | Ns114 | H183 | 50 | PE100 | 10 | 6 |
| | | Ns115 | 125 | PVC | 10 | 21 |
| | Ns115 | H182 | 50 | PE100 | 10 | 5 |
| | | Ns116 | 125 | PVC | 10 | 22 |
| | Ns116 | H181 | 50 | PE100 | 10 | 6 |
| | | Ns117 | 90 | PE100 | 10 | 19 |
| | Ns117 | H180 | 50 | PE100 | 10 | 7 |
| | | Ns118 | 90 | PE100 | 10 | 23 |
| | Ns118 | H179 | 50 | PE100 | 10 | 6 |
| | | Ns119 | 75 | PE100 | 10 | 28 |
| | Ns119 | H177 | 50 | PE100 | 10 | 103 |
| | | H178 | 63 | PE100 | 10 | 6 |
| ramal 13 | N13 | Ns120 | 200 | PVC | 10 | 32 |
| | Ns120 | H174 | 125 | PVC | 10 | 636 |
| ramal 13-1 | Ns120 | Ns243 | 160 | PVC | 10 | 5 |
| | Ns243 | H176 | 90 | PE100 | 10 | 8 |
| | | V008 | 140 | PVC | 10 | 123 |

| Hidrante o Toma | Ramal | Nodo | DN |
|---|---|---|---|
| Hidrante múltiple | ramal 11-2 | Ns242 | 2" |
| | ramal 13-1 | Ns243 | 6" |
| Hidrante simple | ramal 11 | H201 | 1,5" |
| | | H202 | 1,5" |
| | | H203 | 1,5" |
| | | H206 | 1,5" |
| | | H207 | 1,5" |
| | | H208 | 1,5" |
| | | H209 | 1,5" |
| | | H210 | 1,5" |
| | | H211 | 1,5" |
| | | H213 | 1,5" |
| | | H214 | 1,5" |
| | | H215 | 1,5" |
| | | H216 | 1,5" |
| | | H313 | 1,5" |
| | ramal 11-1 | H200 | 1,5" |
| | ramal 11-1-1 | H197 | 1,5" |
| | | H198 | 1,5" |
| | | H199 | 1,5" |
| | ramal 12 | H175 | 3" |
| | | H177 | 1,5" |
| | | H178 | 2" |
| | | H179 | 1,5" |
| | | H180 | 1,5" |
| | | H181 | 1,5" |
| | | H182 | 1,5" |
| | | H183 | 1,5" |
| | | H184 | 1,5" |
| | | H185 | 1,5" |
| | | H186 | 2" |
| | | H187 | 1,5" |
| | | H188 | 1,5" |
| | | H189 | 1,5" |
| | | H190 | 1,5" |
| | | H191 | 1,5" |
| | | H192 | 1,5" |
| | | H193 | 1,5" |
| | | H194 | 2" |
| | | H195 | 1,5" |
| | | H196 | 1,5" |
| | ramal 13 | H174 | 3" |
| Toma de parcela | ramal 11-2 | H205 | 1,5" |
| | | V015 | 2" |
| | ramal 13-1 | H176 | 3" |
| | | V008 | 4" |




| 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" |

| 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 |

# Leyenda

N

## 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 11, 12 Y 13

Plano nº: 8

Hoja nº: 4 de 7