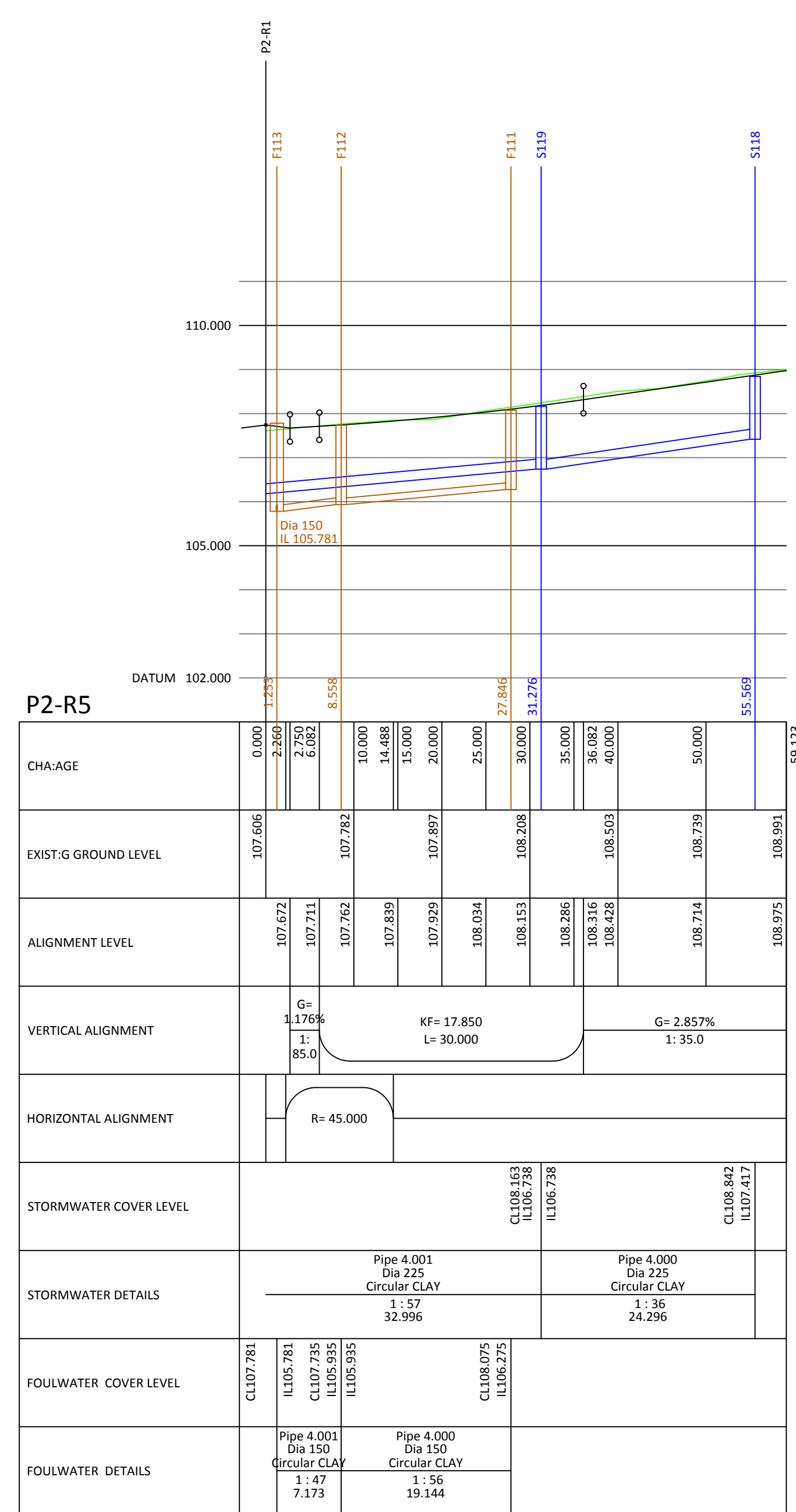
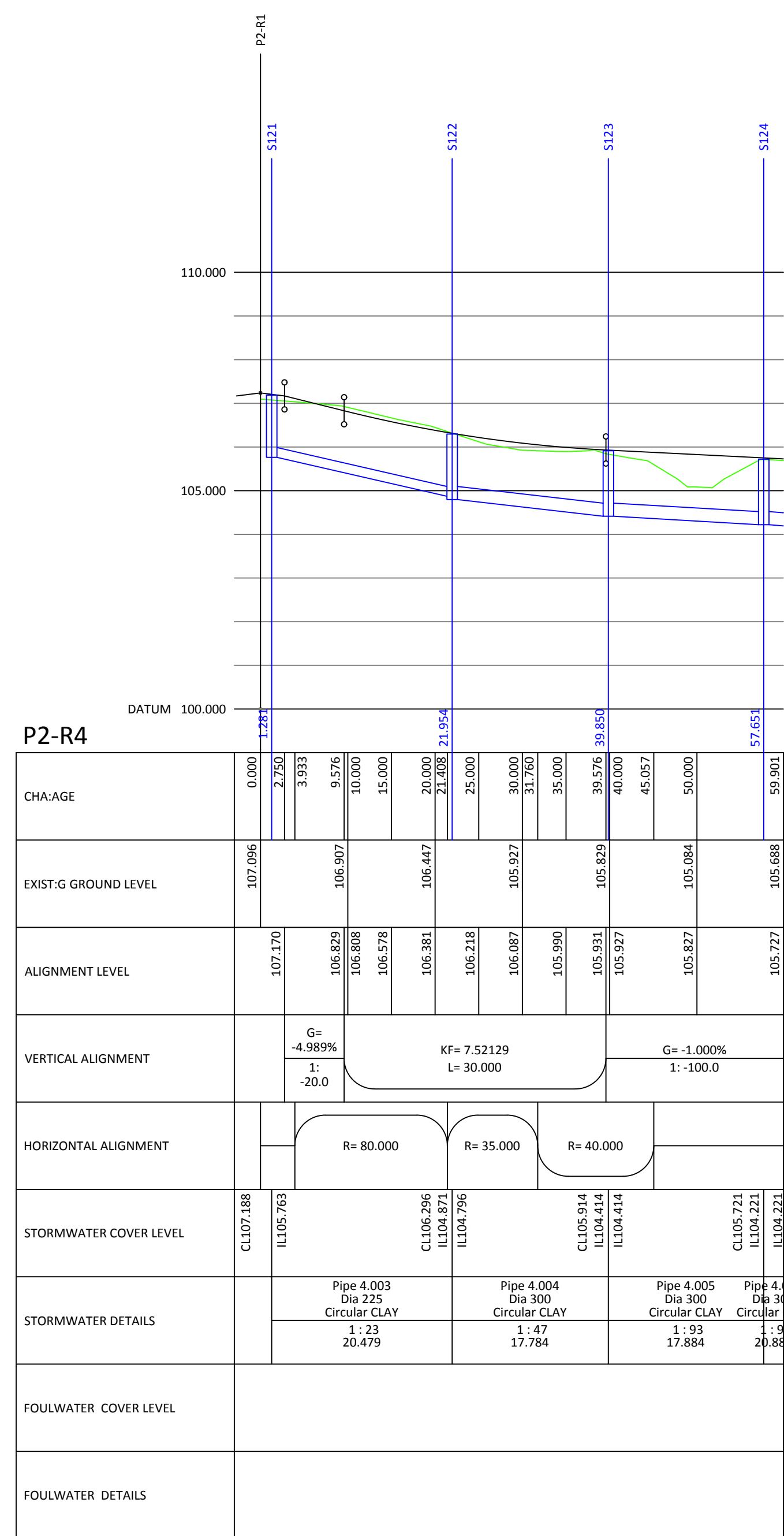
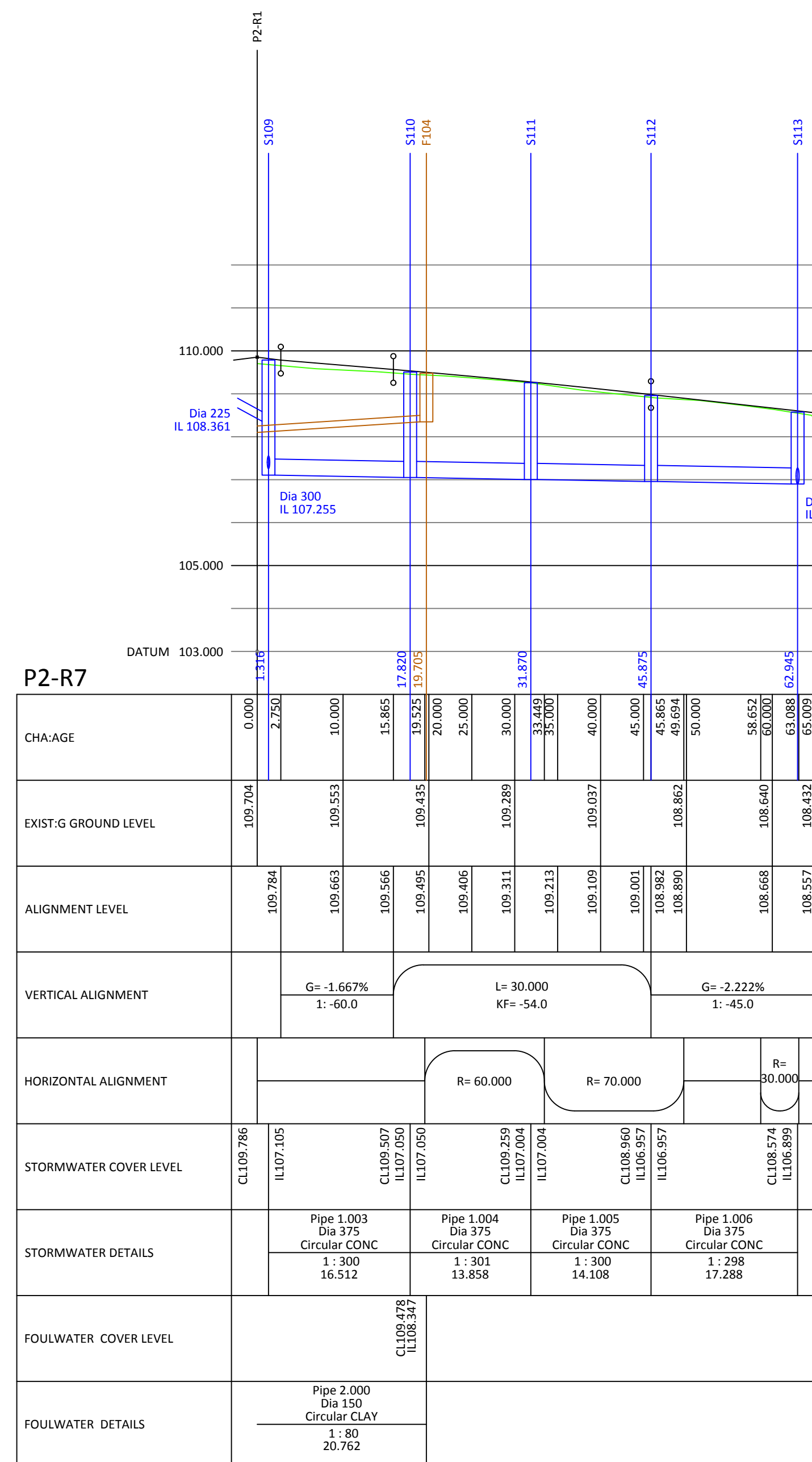
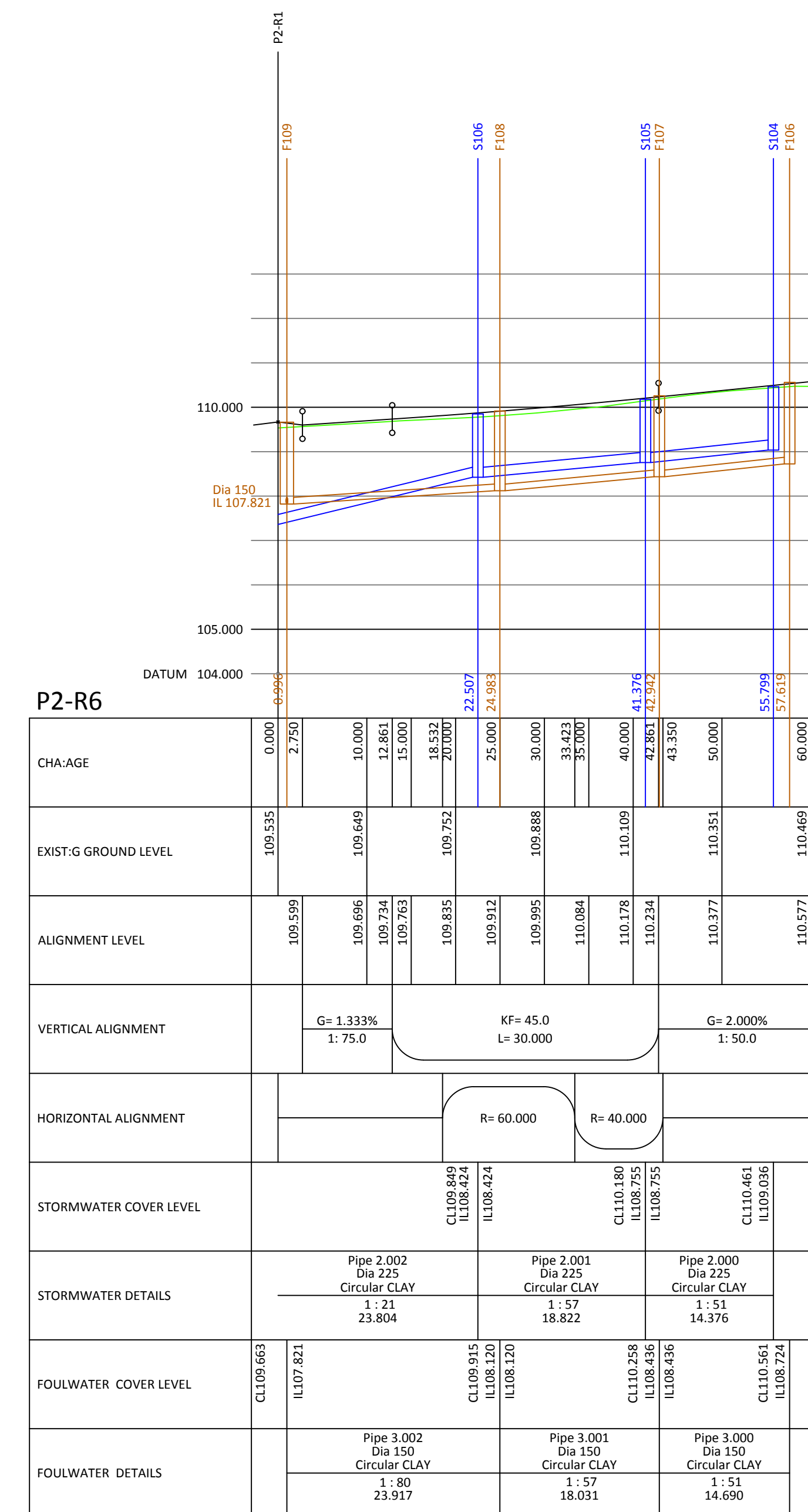
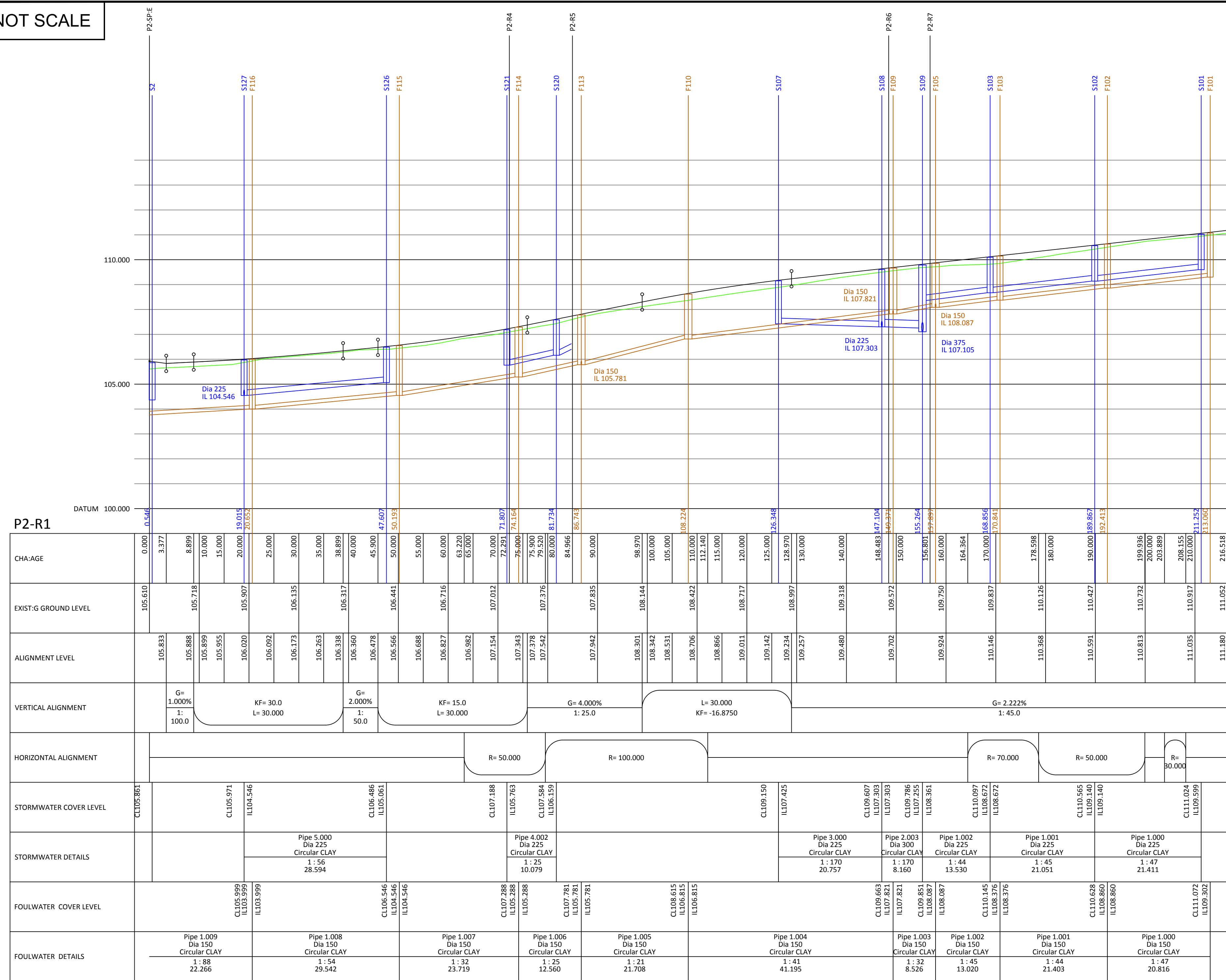


DO NOT SCALE



- ## Notes
1. Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing
  2. All sewers shall be constructed in accordance with Sewers for Adoption 6th Edition and United Utilities Details & Guidelines
  3. The minimum gravity pipe diameter under adoptable highways shall be 150mm
  4. It is the responsibility of the Contractor to verify all information given with regard to existing services and drainage connections and prior to commencing the works. The rates shall include for hand dig around services where necessary. The Contractor shall adhere to the CDM Regulations at all times
  5. The outcrops of all sewers shall be a minimum of 1.0m from kerb lines and the outside of manholes shall be a minimum of 0.5m from kerb lines
  6. Existing flows in watercourses, sewers and land drains shall be maintained at all times
  7. Only trained personnel shall be permitted to enter confined spaces
  8. All materials to be relevant to BS 8. Kitemark and comply fully with the specifications. All concrete & cement products must use Sulphate resistant cement to withstand Class 3 condition (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur)
  9. All opening notices etc. as required under Highways Acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or the Network Operator as applicable.
  10. Where "Ultra HD" UPVC pipes (or similar approved) are used in adoption highways they shall be handled and laid in accordance with the manufacturers instructions and will be subject to post installation deformation testing prior to adoption. A Class S Bed and Surround must be provided for "Ultra HD" pipes
  11. French bacfill in highways to within 1m of highway shall, as directed by the Highway Authority, be a suitable granular material all in accordance with Sewers for Adoption.
  12. Slab levels shall not be varied without reference to the Engineer for guidance.
  13. Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.
  14. All works to be in accordance with Lancashire County Council's Specification and Standard Details, and as agreed with Lancashire County Council's representative.
  15. Manhole pipe connections to be offset to offset.

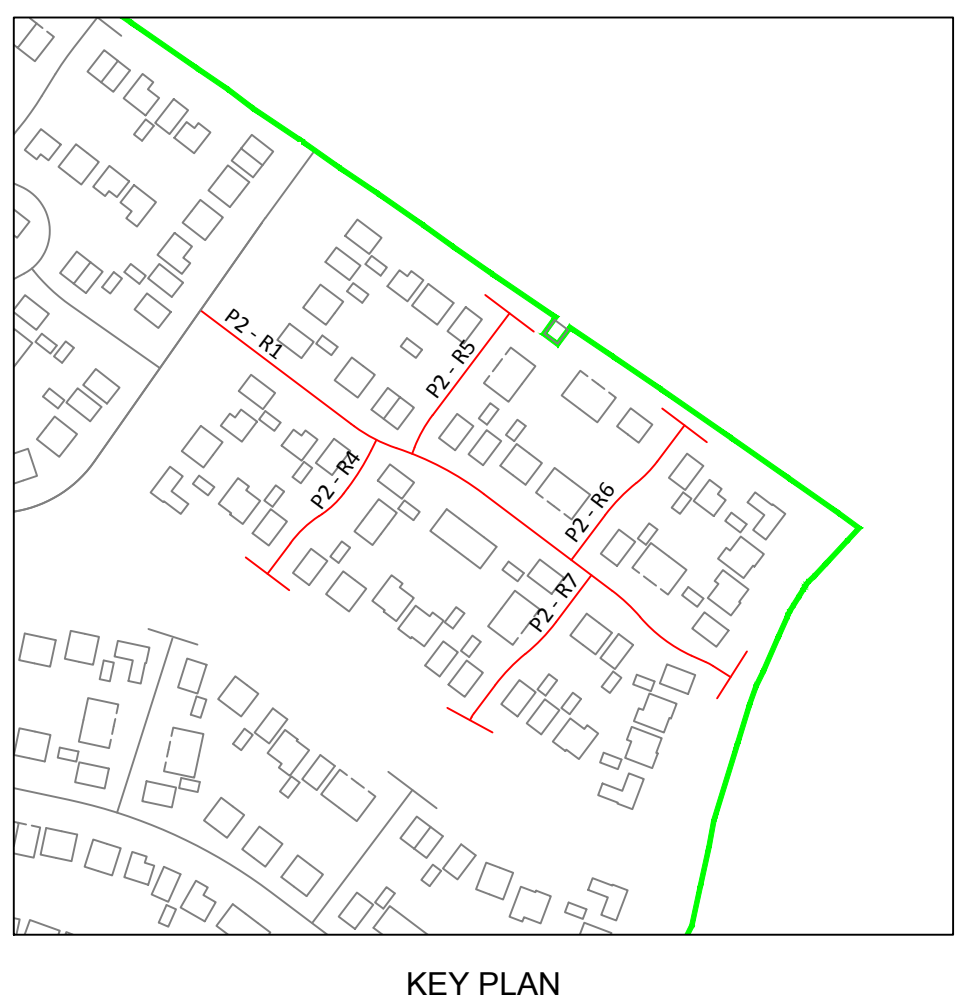
Class 'S' bed and surround to all pipes unless stated otherwise.  
Class 'Z' bed and surround to pipes where cover  $< 1.2\text{m}$  as indicated on longsections.

Coopers Drawing List:

|              |                                          |
|--------------|------------------------------------------|
| 6263 P2 / 01 | Proposed Drainage Layout                 |
| 6263 P2 / 02 | Proposed Highway Setting Out             |
| 6263 P2 / 03 | Proposed Highway Layout                  |
| 6263 P2 / 04 | Proposed Highway Levels and Longsections |
| 6263 P2 / 05 | Highway Construction Details             |
| 6263 P2 / 06 | External Works Layout                    |
| 6263 P2 / 07 | Private Drainage Layout                  |
| 6263 P2 / 08 | Drainage Construction Details            |
| 6263 P2 / 09 | Surface Water Manhole Schedules          |
| 6263 P2 / 10 | Foul Manhole Schedules                   |
| 6263 P2 / 11 | Surface Water Manhole Details            |
| 6263 P2 / 12 | Foul Manhole Details                     |
| 6263 P2 / 13 | Flow Control Manhole Details             |
| 6263 P2 / 14 | Drainage Longsections                    |
| 6263 P2 / 15 | Surface Water Catchment Areas            |
| 6263 P2 / 16 | Cascading Pond Layout                    |
| 6263 P2 / 17 | Earthworks                               |
| 6263 P2 / 18 | S38 Agreement Plan                       |

## APPROVAL

|                                                                                                                                                                                                                                                                                                                                    |                  |                                              |            |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------------|------------|-------------|
| A<br>Rev.                                                                                                                                                                                                                                                                                                                          | 02 Date of<br>04 | Issued for S38 and S104 Approval<br>Revision | P/JN<br>By | AJ<br>Appd. |
|  <b>coopers</b><br>chartered consulting engineers <div style="float: right;">             Park House<br/>             Sandpiper Court<br/>             Chester Business Park<br/>             Chester<br/>             CH1 9QU         </div> |                  |                                              |            |             |
| Tel: 01244 684910<br>Fax: 01244 684911<br>Email: admin@coopers.co.uk<br>Web: http://coopers.co.uk                                                                                                                                                                                                                                  |                  |                                              |            |             |
| Client <div style="text-align: center;"> <h1 style="margin: 0;">Taylor<br/>Wimpey</h1> </div>                                                                                                                                                                                                                                      |                  |                                              |            |             |
| Project <div style="text-align: center;"> <h2 style="margin: 0;">STANDEN HALL<br/>CLITHEROE</h2> </div>                                                                                                                                                                                                                            |                  |                                              |            |             |
| Title <div style="text-align: center;"> <h2 style="margin: 0;">PHASE 2<br/>Highway Longsections</h2> </div>                                                                                                                                                                                                                        |                  |                                              |            |             |
| DRAWING NUMBER                                                                                                                                                                                                                                                                                                                     |                  | SCALE at A0 1:500 H. 1:100 V                 |            |             |
| 6263 P2 / 04                                                                                                                                                                                                                                                                                                                       |                  | DATE                                         | 20.11.19   | REVISION    |
|                                                                                                                                                                                                                                                                                                                                    |                  | DRAWN                                        | PJN        | A           |
|                                                                                                                                                                                                                                                                                                                                    |                  | CHECKED                                      | AJ         |             |



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