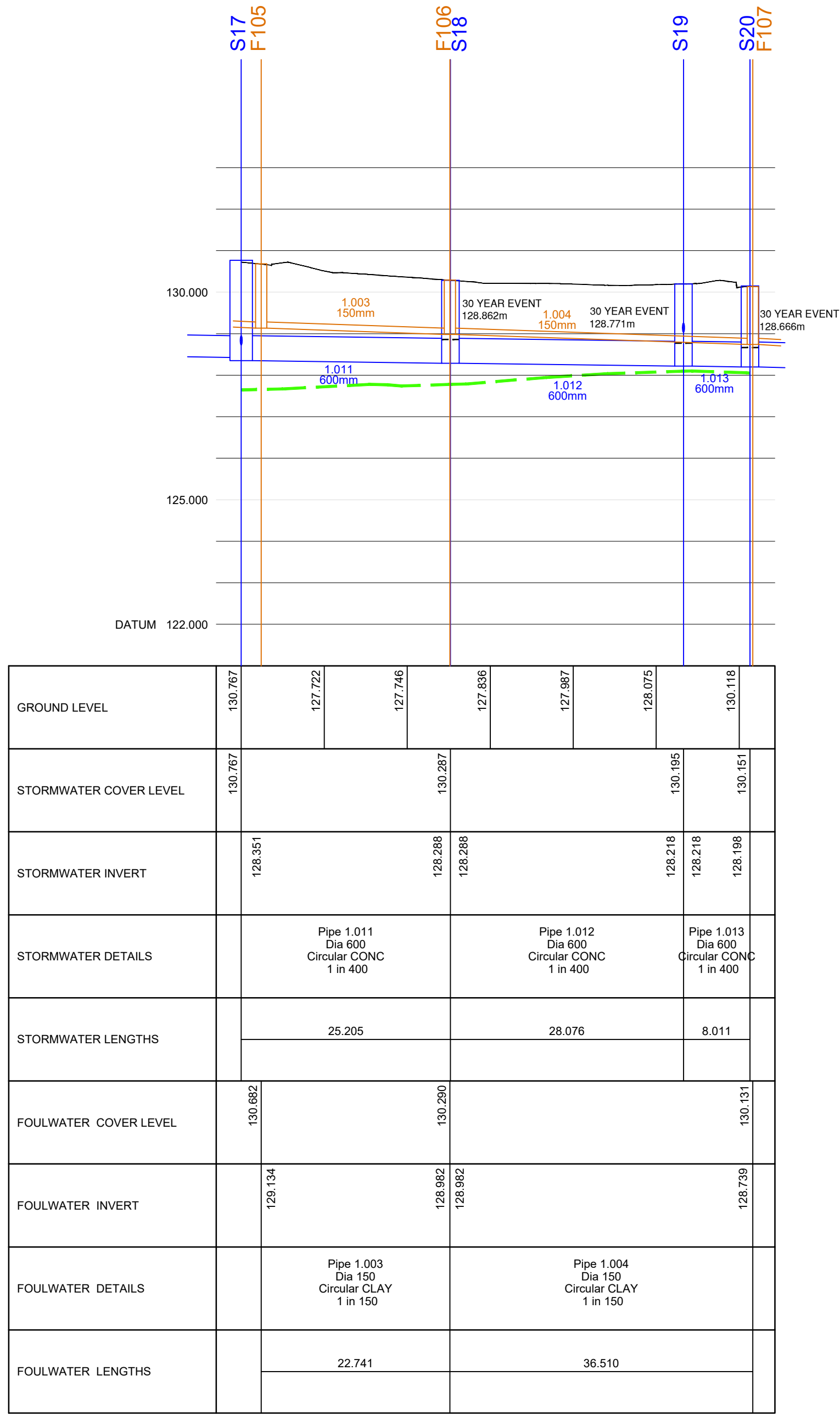
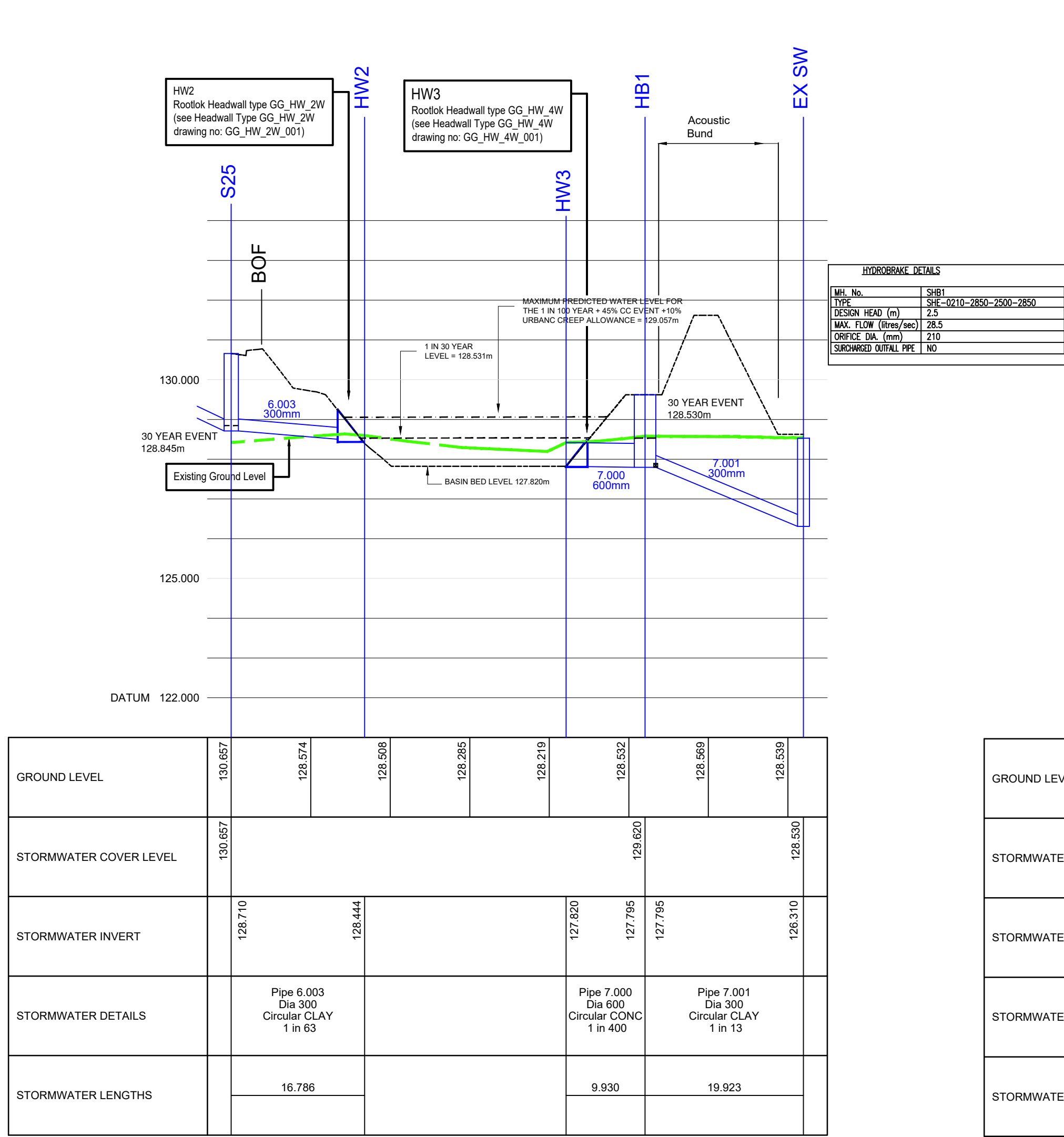
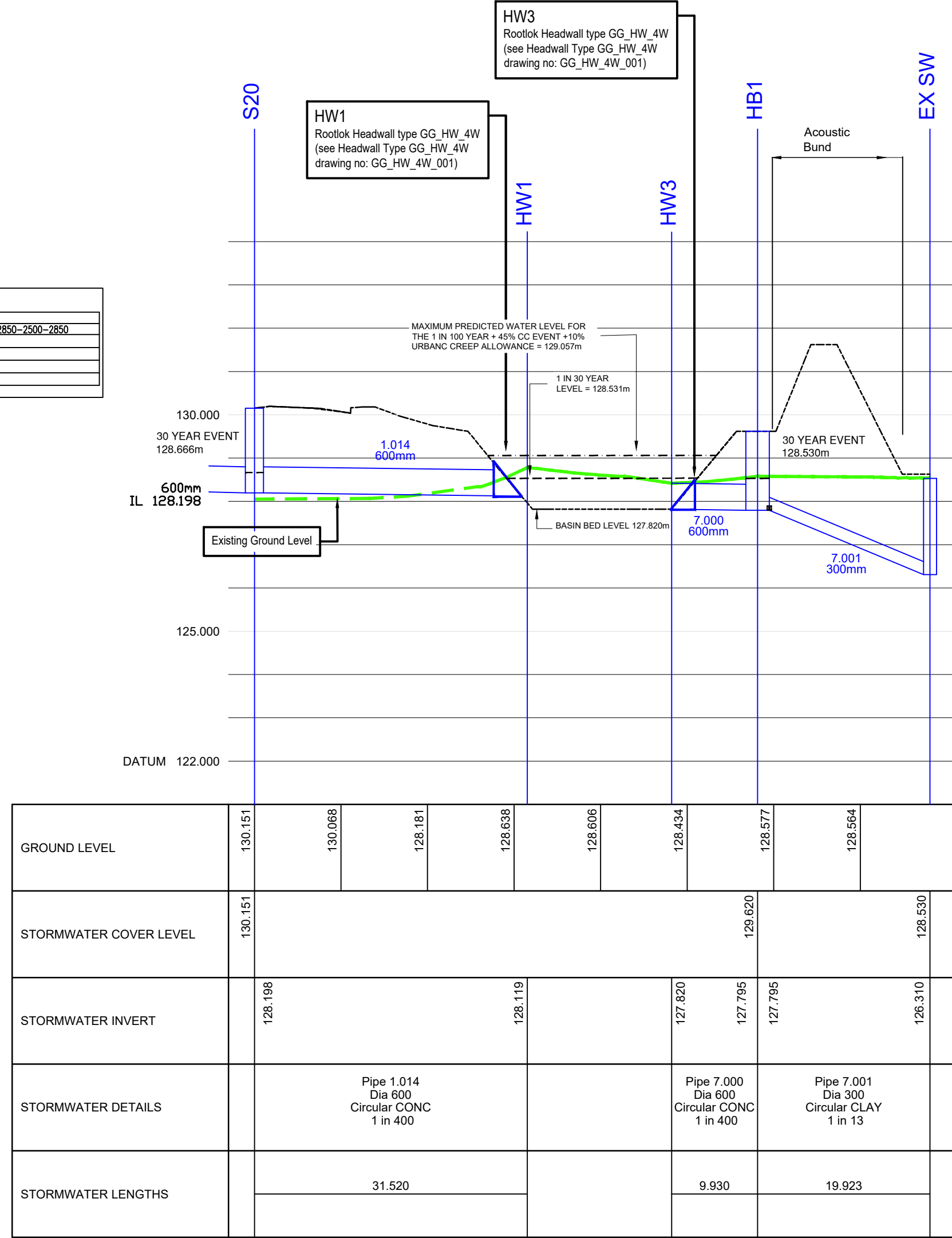




S17-S20 & F105-F107  
Scale: 1:500 Horizontal  
1:500 Vertical



S25-EX SW  
Scale: 1:500 Horizontal  
1:500 Vertical



S20-EX SW  
Scale: 1:500 Horizontal  
1:500 Vertical

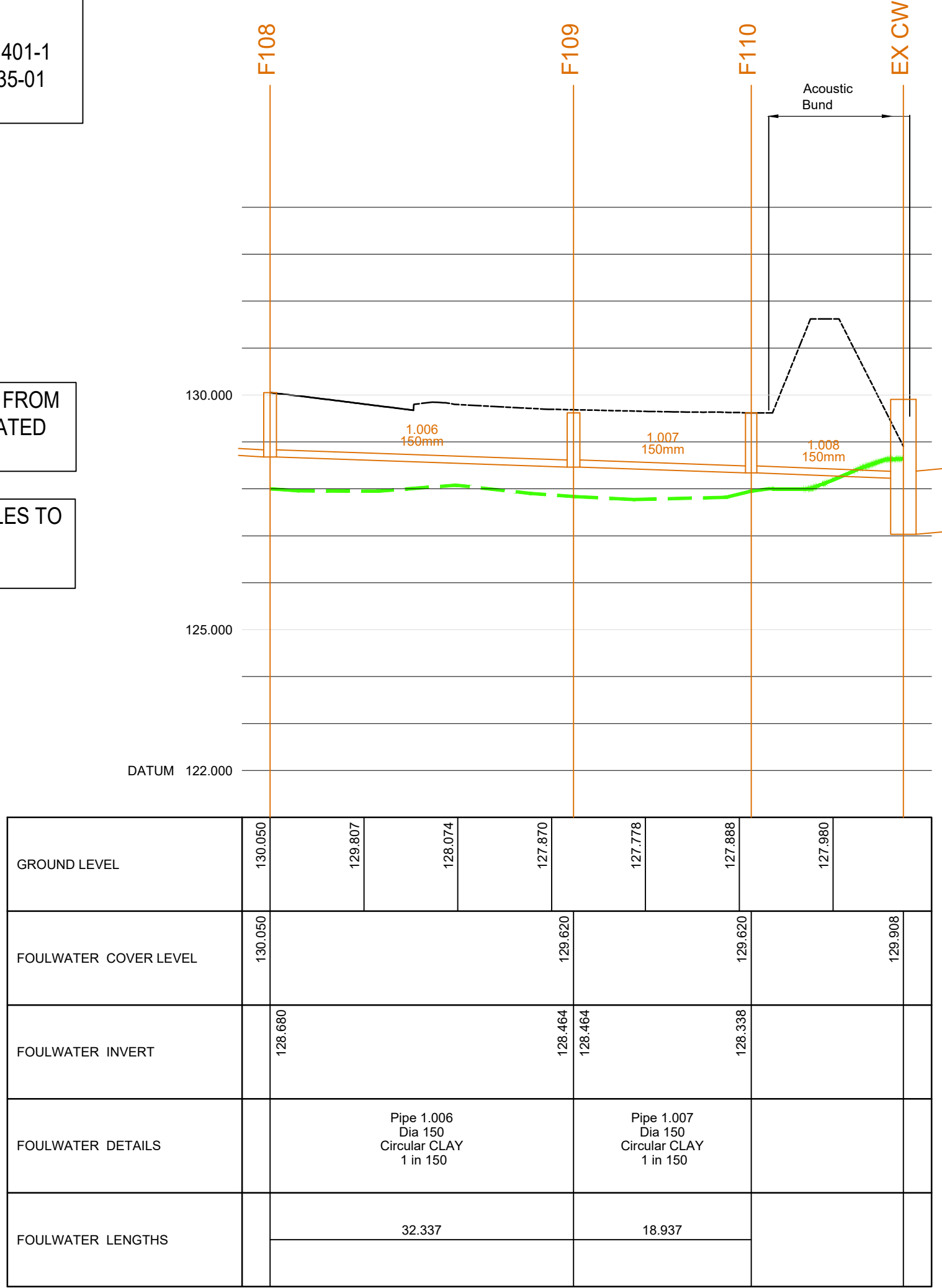
ALL PIPES TO HAVE CLASS "S" BED AND SURROUND UNLESS SHOWN OTHERWISE  
ALL CONCRETE PIPES TO BE CLASS 120  
ALL CLAY PIPES TO BE EXTRA STRENGTH VITRIFIED CLAY  
ALL UPVC PIPES TO COMPLY WITH BS 4660:2000 & BS EN 1401-1  
STRUCTURED WALL UPVC PIPES TO COMPLY WITH WIS 4-35-01  
MAX. PIPE LENGTH TO BE 3.0m

FOUNDATIONS TO BE DESIGNED / CONSTRUCTED TO TAKE INTO ACCOUNT THE PROXIMITY AND DEPTH OF ADJACENT SEWERS AND DRAINS IN ACCORDANCE WITH SFA 7TH EDITION PART B

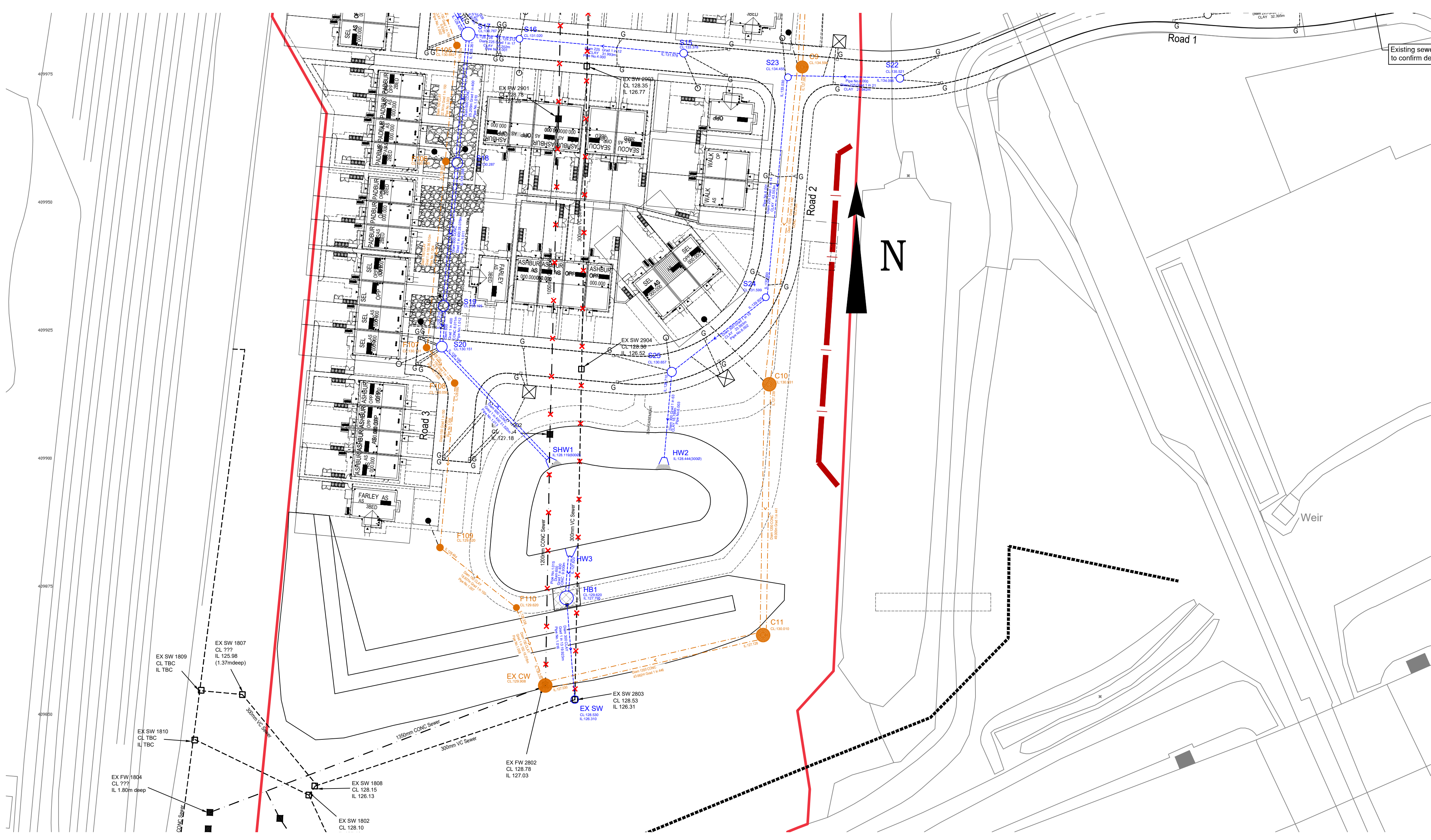
ALL ROAD GULLY CONNECTIONS TO BE 150mm Ø

OUTSIDE OF NEW SEWERS TO BE LOCATED 1.0m MINIMUM FROM KERBLINES OUTSIDE OF MANHOLE CHAMBERS TO BE LOCATED 0.5m MINIMUM FROM KERBLINES

ALL DRAGOUT CONNECTIONS FROM MAIN SEWER MANHOLES TO FIRST INSPECTION CHAMBER TO BE 150mm Ø UNLESS INDICATED OTHERWISE



F108 - EX CW  
Scale: 1:500 Horizontal  
1:500 Vertical



Site Plan (1:500)

ALL EXISTING SERVICES TO BE LOCATED AT COMMENCEMENT IN ACCORDANCE WITH UNDERTAKERS REQUIREMENTS AND PROTECTED ACCORDINGLY DURING THE WORKS

CONTRACTOR TO BE AWARE OF AND TAKE APPROPRIATE ACTION TO ENSURE DE-STABILISATION OF ANY EXISTING STRUCTURES, TREES, EMBANKMENTS OR OTHER FEATURES DOES NOT OCCUR AS A RESULT OF ANY EXCAVATIONS WORKS UNDERTAKEN IN ACCORDANCE WITH THE DESIGNS SHOWN ON THIS DRAWING IF CONTRACTOR IS UNSURE ABOUT ANY ASPECT OF THE ABOVE HE SHOULD SEEK ADVICE BEFORE COMMENCING EXCAVATION WORK.

- Notes:
- This drawing is to be read in conjunction with the standard details, layout plans, schedules, and specifications provided by the developer.
  - A 1% gradient represents a rise of 1 metre over 100 metres.
  - Pipe sizes are given in millimetres, and levels are shown Above Ordnance Datum (A.O.D.).
  - All sewer connections are to be soft-to-soft unless otherwise stated.
  - All pipes are to be laid with flexible joints and granular bedding (Class S), unless noted otherwise. Where a 150mm concrete bed and surround is specified, the concrete must be interrupted at the joints using a Flarecoll collar.
  - Existing ground levels must be confirmed on site prior to the commencement of construction.
  - All drainage design is subject to technical approval. No connections shall be made to any public sewer without the prior written consent of the relevant drainage authority.
  - Refer to Drainage Layout 20-01 for further information.

The details provided on this drawing are subject to comments by all the relevant approving authorities. Until such time as all comments have been received and incorporated onto the drawings, all the information provided and costings, are used at MCI Developments Ltd risk and no liability will be accepted by ALD Design. Scheme based on Site Layout MCI-000-DR-A-500 PL10

ALL EXISTING MANHOLE INVERT LEVELS ARE TO LOCATED AND SURVEYED PRIOR TO START ON SITE TO ENSURE THAT THEY ARE CORRECT AND ALSO TO ENSURE THAT LEVEL CLASHES ARE AVOIDED AND THAT INTERPOLATED INVERT LEVELS ARE CORRECT. ANY DISCREPANCY TO BE REPORTED TO REFA PRIOR TO START TO ENABLE ANY CHANCES TO BE MADE TO DESIGN THAT PROVE NECESSARY

- GENERAL
- All adoptable sewers and associated works are to comply fully with "Design and Construction Guidance" & Local Practices
  - All highway works to be to adoptable standards and to comply fully with the Local Authority specification.
  - All private drainage works are to comply fully with part H of the Building Regulations
  - All existing invert levels to be checked by the Contractor at the start of works and any discrepancies notified to ALD Design. All levels are based on topographical survey information provided by others.
  - All materials to bear the relevant B.S.Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur)
  - 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 Relevant Water Authority as applicable.

C.D.M. REGULATIONS 2015

In line with the above regulations we are obliged to inform the Client of their responsibilities under section CDM 15/1, and residual risks that may be encountered in the construction of these works. All design work has been carried out with Health and Safety aspects given full consideration. Wherever possible risks have been eliminated from the design, however due to the very nature of this type of work it is not possible to remove all the risks from the design. We would also respectfully remind the Client of his obligations to take all reasonable steps in ensuring that only competent Contractors who have a valid safety policy are employed. They should also provide satisfactory responses at tender stage as to the manner in which they will deal with the elements of risk involved in this type of work and in particular those highlighted by ALD Design below:-

- Support / treatment for ALL excavation work.
- Guarding to edges of excavations to prevent people, materials and vehicles falling into excavation.
- Guarding of excavations outside working hours to prevent unauthorised access.
- Undermining to adjacent roads or structures.
- Confined space operations.
- Dealing with existing services.
- Traffic management on existing highways.
- Procedure to be followed in event of accident or emergency.
- Method of working where contaminated ground is present on site.
- Confirmation will be required that all operatives are adequately trained, copies of relevant training certificates to be supplied.

The above list is by no means exhaustive but it does highlight operations that present a risk to contractors and the general public. For clarification on any item please contact ALD Design.

| Rev. | Date     | Amendment                              | Drawn | CHKD | Appd |
|------|----------|----------------------------------------|-------|------|------|
| G    | 22.08.20 | Revised to layout PL10                 |       | AP   |      |
| F    | 24.03.20 | Revised to LUJ comments DATED 13.03.20 |       | AP   |      |
| E    | 02.03.20 | Revised to LUJ comments Dated 04.02.20 |       | AP   |      |
| D    | 14.10.20 | Revised to LUJ comments Dated 06.10.20 |       | AP   |      |
| C    | 29.08.20 | Revised to PL08                        |       | AP   |      |
| B    | 15.08.20 | Bund Revised                           |       | AP   |      |
| A    | 14.07.20 | First Issue                            |       | AP   |      |



Web: www.ALDdesign.co.uk | Email: Ant@aldesign.co.uk

Client



A KEEPCRAFT HOMES COMPANY

Project Title

Trub Farm  
Rochdale

Status

Preliminary

Drawing Title

Longitudinal Sections  
Layout Sheet 3 of 3

|       |         |         |      |          |      |
|-------|---------|---------|------|----------|------|
| Drawn | Date    | Checked | Date | Approved | Date |
| AP    | July 25 |         |      |          |      |

|                 |           |            |
|-----------------|-----------|------------|
| Scale           | Orig Size | Dimensions |
| 1:500H - 1:100V | A0        |            |

|             |              |
|-------------|--------------|
| Project No. | Drawing File |
| 25013       |              |

|             |      |
|-------------|------|
| Drawing No. | Rev. |
| 20-02-03    | G    |

Scale 1:500

