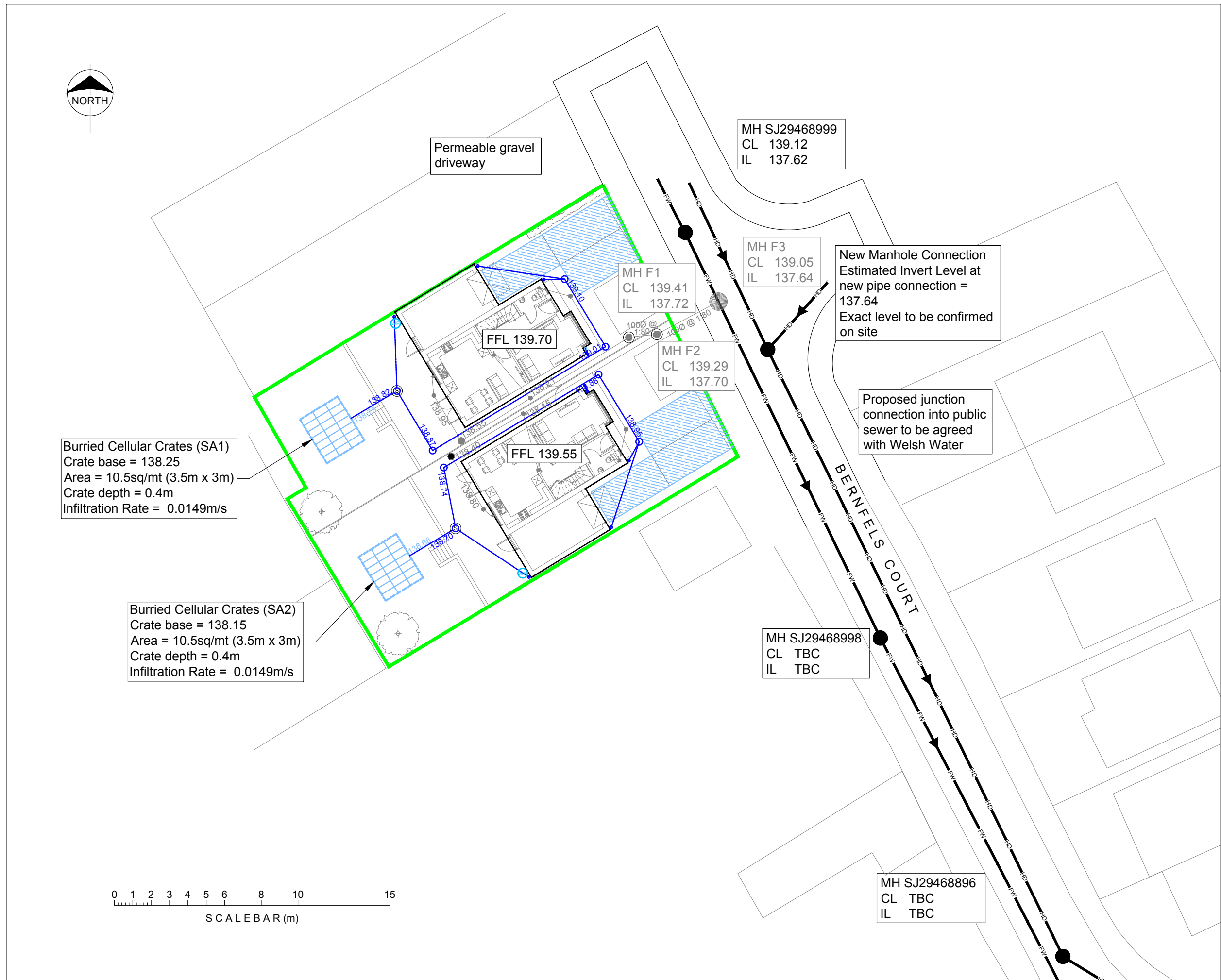


DO NOT SCALE

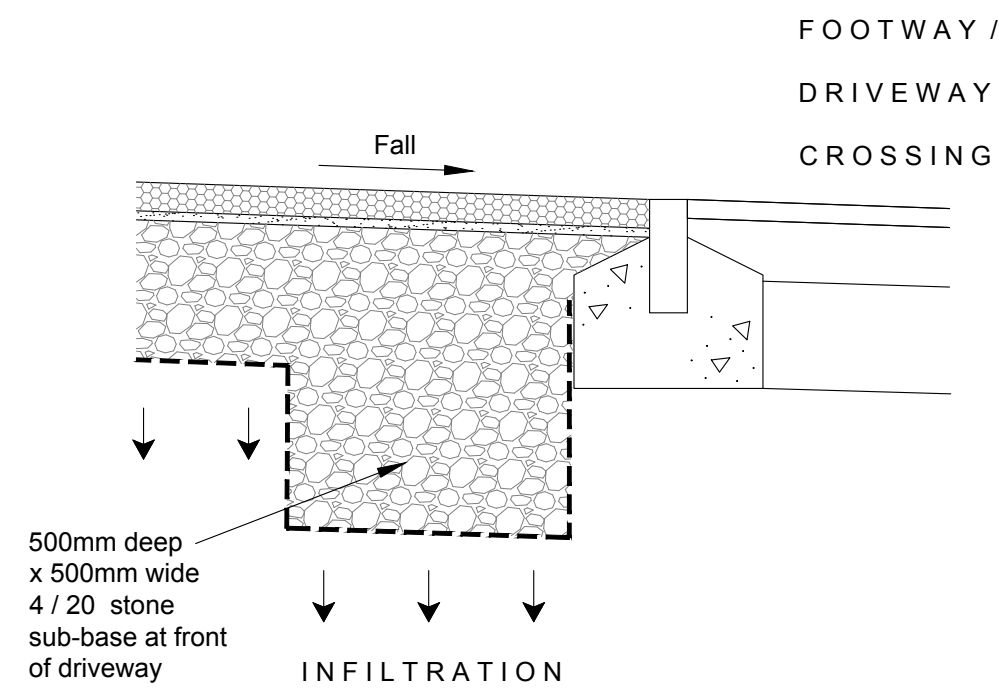
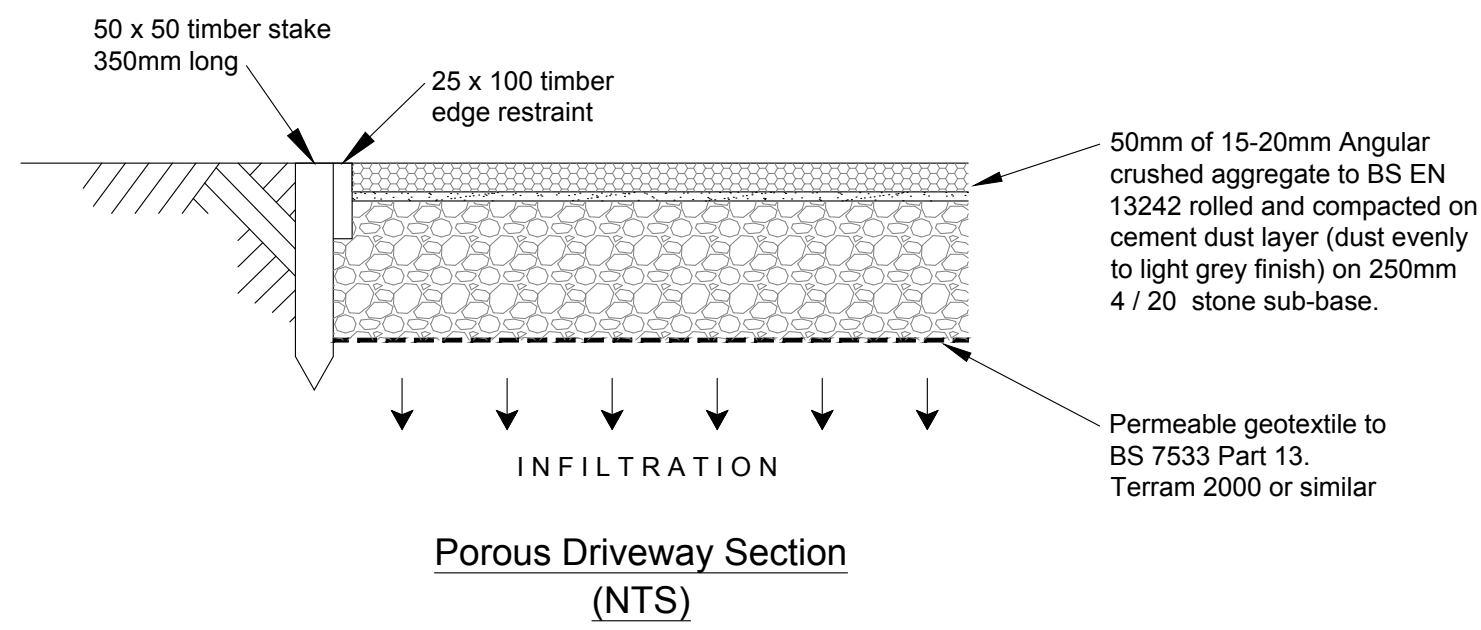


- Porous drive specification/method of construction
- Strip off topsoil and organic material over the area of the drive to a firm base.
  - Lay 250mm of type 1 stone sub base.
  - Lightly dust surface of the sub base with cement dust.
  - Lay 50mm of 15 - 20mm Crushed Aggregate and roll and compact.

- General Notes
- Contractor to propose a suitable construction sequence for the soakaway construction and develop a detailed method statement.
  - Excavation sides to adequately supported.
  - Contractor to work in accordance with best practice ensuring all personnel have adequate PPE and confined space training.
  - Excavation/plant to be secure from general public at all times
  - Safe access and egress to be provided.

#### SOAKAWAY SCHEDULE

| Soakaway/Plot Number | Soakaway Size           | Catchment Area |
|----------------------|-------------------------|----------------|
| SA 01<br>(PLOT 1)    | 3.50 x 3.00<br>x 0.4 dp | 80sq.m.        |
| SA 02<br>(PLOT 2)    | 3.50 x 3.00<br>x 0.4 dp | 80sq.m.        |



#### Legend

|  |                                    |
|--|------------------------------------|
|  | Site Boundary                      |
|  | Existing                           |
|  | Existing Foul Water Drain          |
|  | Existing Highway Drain             |
|  | Proposed                           |
|  | Private Surface Water              |
|  | Private Foul Drain                 |
|  | Adoptable Foul Sewer (Welsh Water) |
|  | Silt Trap / Catchpit               |
|  | SVP                                |
|  | BIG                                |
|  | RWP                                |
|  | Plot Slab Level                    |
|  | Surface Water Soakaway             |
|  | Porous Driveway                    |
|  | Water Butt (garden re-use)         |

#### Typical Geocellular Tank Soakaway System Section (NTS)

AquaCell or similar approved with riser access for inspections and future maintenance

- Soakway Notes
- Soakaways to located entirely within suitable permeable strata
  - All soakaways to be located a minimum of 5m from foundations

Soakaway designed for a 100  
yr + 40% CC return period  
Infiltration rate 4.15E-06m/s  
(0.0149m/hr) used for design  
Refer to schedule for sizes  
and locations

#### Notes

- The specification in all respects shall be in accordance with the current Wrexham County Borough Council Specification and Construction publication in force in the county at the time of construction
- All adoptable drainage shall be constructed in accordance with 'Sewers for Adoption' 7th Edition, Welsh Ministers Standards and Welsh Water Details and Guidelines.
- 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 other discrepancies notified to the Engineer prior to commencing works. All levels are based on topographical survey information provided by others.
- It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc. prior to commencing the works.
- The Contractor shall adhere to the CDM Regulations at all times.
- Only trained personnel shall be permitted to enter confined spaces.
- All materials to bear the relevant B.S. Kitemark and comply fully with the Sewers for Adoption 7th Specification. 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 to withstand a class 3 condition).
- 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 Welsh Water as applicable.
- Trench backfill 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.
- Cover loadings shall be as detailed on the Manhole Schedule.
- Drain trenches should not be excavated lower than the foundations of any building nearby unless either:
  - The trench is within 1m of the foundation, the trench is filled with concrete up to the lowest level of the foundation, or
  - Where the trench is further than 1m from the building, the trench is filled with concrete to a level below the lowest level for the building equal to the distance from the build, less 150mm.
- All SVP and RWP connections are indicative and shall be confirmed by the client.
- Pipe gradients out of the building to connecting manhole to be laid at 1:40 in accordance with Building Regulations, Part H, Table 6.
- Where pipe sizes are not indicated :  
100Ø to be used for foul  
100Ø to be used for surface water  
unless stated otherwise.
- Minimum surface water gradients shall be:  
100Ø laid at 1:100 with the exception of the first connection which shall be minimum 1:60. 150Ø laid at 1:150
- Minimum 100Ø foul drainage gradient to be 1:80 with the exception of the first connection which shall be minimum 1:40.
- Manhole covers to be marked FWS or SW as appropriate.
- All manhole covers and frames shall comply with BS EN124. All adoptable manholes and chambers shall comply with Sewers for Adoption 7th Edition. Covers in roads to be grade D400 and be 150mm deep. Manhole covers in car parking areas and drives to be grade B125 and covers in landscaping areas to be grade A15. All to be sized in accordance with Building Regulations Part H, Tables 11 & 12.
- Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.
- Highway gullies to be 150mm pipework connecting into main Surface Water sewer

## APPROVAL

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CH4 9QU

Client

Claire Andrady

Project

9A 9B Stanley Road,  
Ponciau

Title

Surface Water SUDS  
Details

DRAWING NUMBER

7576 / 04

SCALE at A1 1:200

| DATE    | 16.04.21 | REVISION |
|---------|----------|----------|
| DRAWN   | PW       | A        |
| CHECKED | AJ       |          |