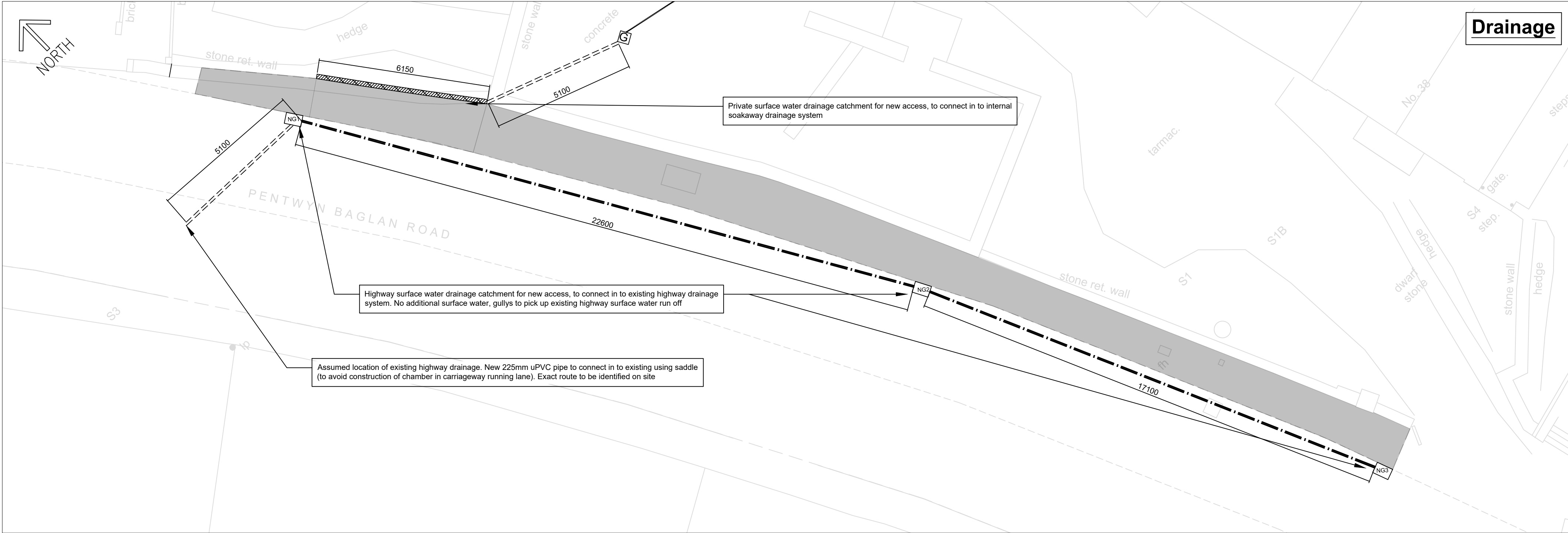




Key

New footway - see D002

New ACO drainage channels to be installed and connected to internal drainage system using 225mm uPVC pipe on type Z bed, and connected to new 225mm uPVC pipe using ACO universal 225mm outlet adapter, sealed with suitable sealant.

New Pre-cast Concrete Kerbs - Kerb type as shown on D002

NG

New Trapped Gully to be installed. Gully grating cover level to be adjusted to suit carriageway surface level. See notes for detailed specification

NG1 Cover Level 15.375m
NG2 Cover Level 16.385m
NG3 Cover Level 16.850m
NG1 dist to NG2 22.600m (approx.) 150mm uPVC pipe in Type Z surround
NG2 dist to NG3 17.100m (approx.) 150mm uPVC pipe in Type Z surround
NG1 dist to existing highway surface water drain 5.1m (approx.)

New 150mm Ø uPVC pipe, laid in Type Z concrete bed and surround.

New 225mm Ø uPVC pipe, laid in Type Z concrete bed and surround.

Intermittent line in white thermoplastic screed with applied solid glass beads 100mm wide with 4m line, and 2m gap to diagram 1004 of TSRGD 2016. See Carriageway Road Markings for location



- Drainage Notes:**
1. All new gully/drainage connections to be 150mmØ uPVC with Type Z bedding and surround. (refer to SHW Highway Construction Details Dwg no. F1), with surface reinstatement to match and tie in to surrounding surfaces.

2. All gully gratings and frames to be heavy duty, single piece grating design with hinged, non-rocking, wedge seating and be kitemarked to load Class D400 BS EN124. Gratings and frames to have a clear opening of 450x450mm and be approved by the Project Manager on site prior to installation. Hinged covers to open in direct of traffic flow (i.e. if a vehicle collides with cover, cover shall close on to frame).

3. All chamber covers to be kitemarked to load Class D400 BS EN 124:2015 and of double triangular design with a minimum clear opening of 675x675mm unless otherwise specified. The design shall be non-rocking, at least 100mm deep and have a base flange area of at least 2100sq.cms.

4. All new highway gullies to be 450mmØ, 750mm deep, trapped, precast concrete gully pots to BS 5911, including 150mm thick ST2 concrete surround and 150mm thick ST4 concrete base or 450mm x 450mm brickwork gully. (refer to SHW Detail Dwg no. SD 508.01 for details). Cast insitu gullies will not be permitted.

5. All uPVC pipes are to be Polypipe Civilis Rigidrain, Rigisewer or similar approved. All concrete pipes to be strength Class H. All Vitrified Clay pipes (VC) shall comply with BS EN 295-1:2013.

6. Bedding and backfill material of carrier drains as stated on the drawing are to be as detailed in the Highway Construction Details.

7. The installation of all manholes / pipes / frames is to include for the reinstatement of all adjacent surfaces, paved areas and kerbing as existing (if appropriate).

8. Saddle type connections for gully branches will not be acceptable for use in the contract unless otherwise agreed with the Engineer on site.

9. The Contractor is to observe and adhere to any special requirements, including those stated in the Contract Documents, when working in the vicinity of Statutory Undertakers apparatus.

10. The Contractor is to ensure all relevant Statutory Undertakers apparatus is traced and marked on site before any excavation works commence.

11. All backfill shall be imported acceptable class 1 material (unless otherwise stated on the contract drawings) to the underside of road construction or temporary reinstatement.

12. Temporary surface reinstatement in trenching shall match the surrounding surface or comply with the HAUC document - 'Specification for the Reinstatement of Openings in Highways'. This temporary reinstatement is included in the item coverage.

13. Any identification of drainage issues are to be brought to the attention of the Project Manager immediately.

- Road Markings Notes:**
1. All traffic signs and markings to be in accordance with The Traffic Signs Regulations and General Directions 2016.

2. All road markings are shown diagrammatically only. Exact dimensions and orientations are to be in accordance with the TSR & GD 2016.

3. All longitudinal road markings are to be white thermoplastic screed with incorporated glass beads (Except where stated otherwise).

4. A tack coat shall be applied to the road surface & kerbs prior to road markings being laid.

5. All road markings to tie in to existing at their extremities.

6. Where removal of existing markings is specified removal by use of a thermal lance shall not be permitted. The Contractor shall provide method statements for the installation, maintenance and removal of road markings as applicable to the Contract. Only Hydroblasting of roadmarkings will be permitted.

7. All final road marking locations to be agreed on site.

- General Site Notes:**
1. ALL WORKS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE NEATH PORT TALBOT COUNTY BOROUGH COUNCIL: SPECIFICATION FOR THE CONSTRUCTION OF ROADS FOR ADOPTION

2. ALL WORKS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE NEATH PORT TALBOT HIGHWAY TECHNICAL GUIDE FOR RESIDENTIAL, COMMERCIAL & INDUSTRIAL DEVELOPMENTS

project
**38 Pentwyn Baglan Road
Baglan, SA12 8EB**

title
**Drainage &
Road Markings**

scale
1:100
original drawing A1

drawn DC
checked YES
approved YES

date 04/2024
date 04/2024
date 04/2024

job no.
190424/E01

drawing no.
D003

revision