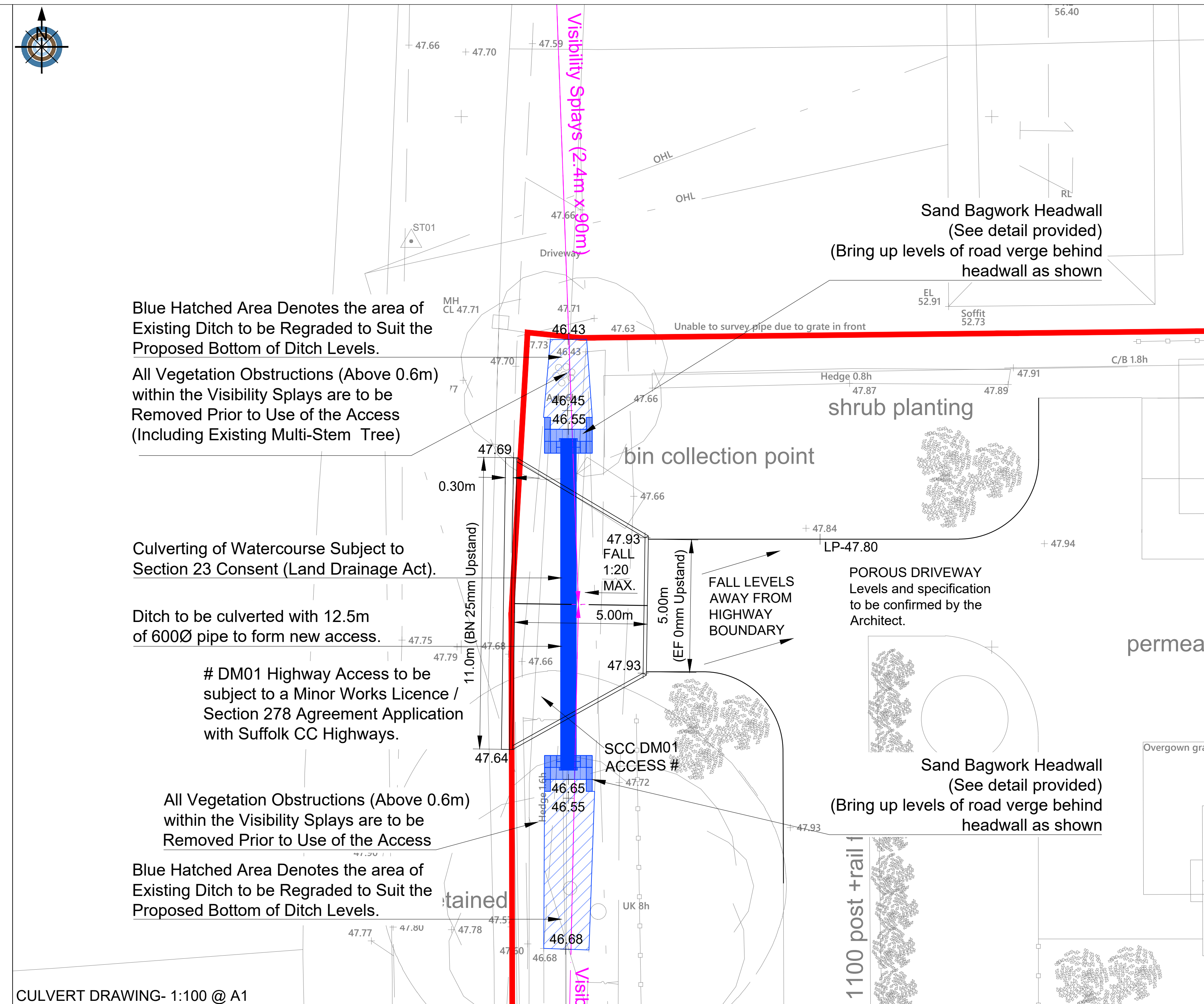


SITE LOCATION PLAN- 1:500 @ A1



CULVERT DRAWING- 1:100 @ A1

Blue Hatched Area Denotes the area of Existing Ditch to be Regraded to Suit the Proposed Bottom of Ditch Levels.

All Vegetation Obstructions (Above 0.6m) within the Visibility Splays are to be Removed Prior to Use of the Access (Including Existing Multi-Stem Tree)

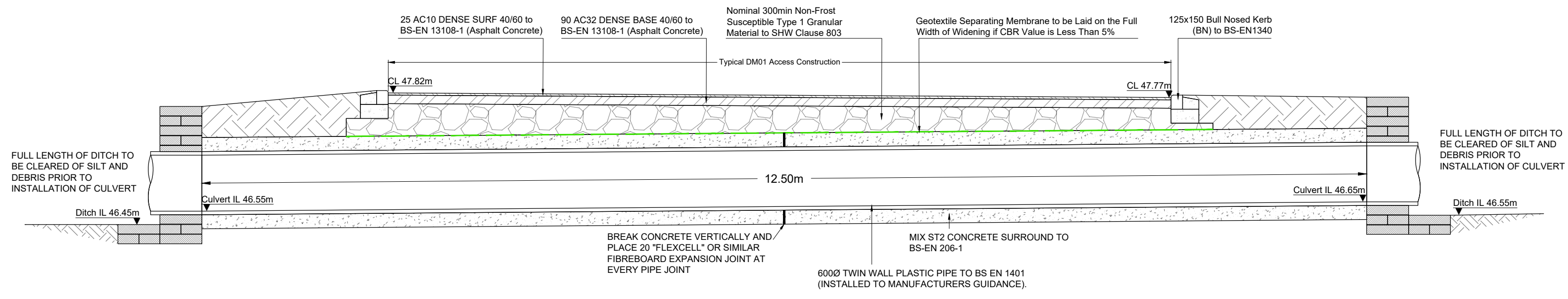
Culverting of Watercourse Subject to Section 23 Consent (Land Drainage Act).

Ditch to be culverted with 12.5m of 600Ø pipe to form new access.

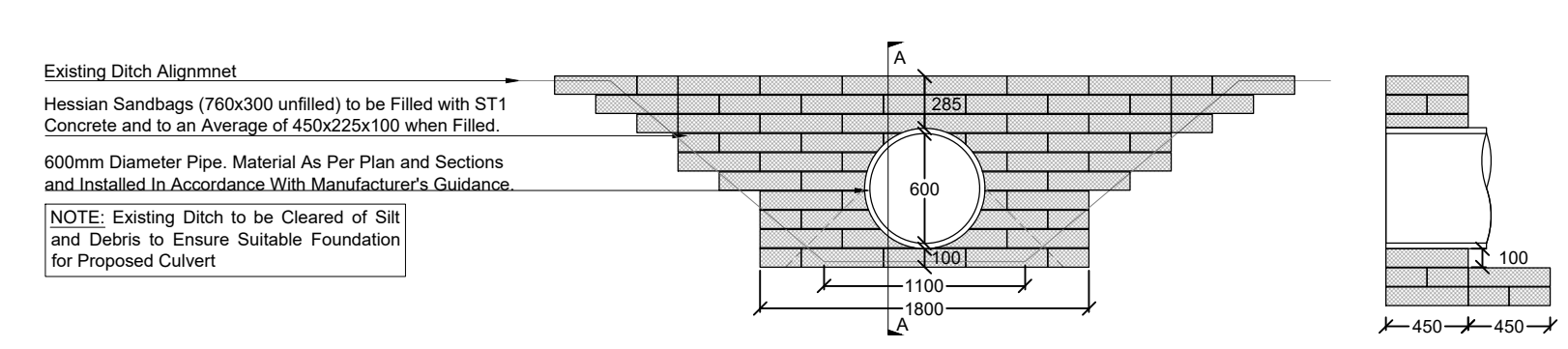
# DM01 Highway Access to be subject to a Minor Works Licence / Section 278 Agreement Application with Suffolk CC Highways.

All Vegetation Obstructions (Above 0.6m) within the Visibility Splays are to be Removed Prior to Use of the Access

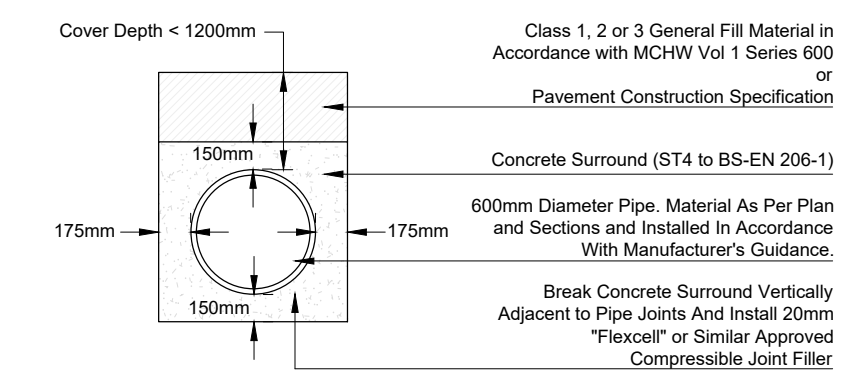
Blue Hatched Area Denotes the area of Existing Ditch to be Regraded to Suit the Proposed Bottom of Ditch Levels.



CULVERT AND HEADWALLS DETAIL



TYPICAL 600Ø CONCRETE FILLED SANDBAG HEADWALL CONSTRUCTION DETAIL



CULVERT BEDDING AND SURROUND CONSTRUCTION DETAIL

- NOTES:**
- This drawing is to be read in conjunction with GHB series 245/2022 drawings and documents and any other relevant project team documents.
  - Preliminary Issue - This drawing is not to be used for construction or detailed pricing purposes. Any work undertaken before approvals are received (in writing) are at risk of abortive works.
  - This drawing has been produced based upon the following information: Topographical Survey by Alpha Surveys Ltd. (Ref. AS1924-01 dated 21.12.2022) subject to transformation of : 0,0 and Scale 1.0. Architectural Layout by Roberts Molloy Associates (Ref. WSO 08 dated January 2022) subject to transformation of : 609619.1543, 268672.5485 and Scale 0.2.
  - The contractor is to take extreme care to locate and avoid any existing services.
  - Drainage Installation:** All main drainage works to be installed in accordance with Sewerage Sector Guidance - Design and Construction Guidance (April 2020) and the requirements of the Anglian Water Engineer/ Inspector
  - All manholes to be installed in accordance with Sewerage Sector Guidance - Design and Construction Guidance (April 2020)
  - Unless specified, all drainage pipework to be:
 

Verified Clay	to BS-EN 295
Concrete	to BS 5911
Grey Iron	to BS 437
Ductile Iron	to BS-EN 598
UPVC	to BS-EN 1401
PP	to BS-EN 1852
Structure walled plastic	to BS-EN 13476
  - All pipe dimensions to be as shown.
  - Sulphate resistant cement to be used in all concrete and concrete products used in main drainage works.
  - Where cover to pipes is less than 1.2 m in trafficked areas and 0.9 m below other hard landscaped areas only rigid pipes with concrete surround/slab protection should be used.
  - All inspection chambers to be 450 mm diameter. Where total depth exceeds 1.2 m the cover size should be 350 mm x 350 mm (Max.) to restrict access. Where total depth is less than 1.2 m use 450 mm x 450 mm covers.
  - Cover strength to be D400 in carriageways, C250 in lightly trafficked (i.e. pedestrian) areas, B125 elsewhere.
  - The contractor is ascertain the precise position, depth & size of all sewer connections before drain laying commences and report all discrepancies to the engineer.
  - The design infiltration rate to be confirmed by representative testing to BRE DG365 prior to construction and all discrepancies reported to the engineer.
  - The contractor is to ensure that all excavations for proposed drainage works are not undermining existing or proposed adjacent foundations.
  - Carriageway Installation:** All roadworks and adoptable storm water drainage to be undertaken in strict accordance with the current S.C.C. Highway Estate Roads Construction Specification and agreed on site by the S.C.C. Engineer.
  - Verification of formation subgrade CBR required prior to installation of subbase. Refer to engineer if less than design value of. (# % - SI Ref)
  - Foundation design to DMRB CD 225 (Restricted Class 2) In-situ testing of subbase is not required at top of granular material to confirm if foundation stiffness achieved.
  - All compaction of granular material to SHW Clause 802 unless stated otherwise.

P1	10/01/23	Initial Issue
Revision	Date	Description

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Partnership No. OC383830, Registered in England and Wales

Client: OSBORN BRICKWORK

Project: OSBORN BRICKWORK

BUMBLEDOWN, WICKHAM SKEITH

Drawing Title: SECTION 23  
CULVERT LAYOUT AND  
CONSTRUCTION DETAILS

Scale: AS SHOWN @ A1

Date: JAN 2023 Drawn: JWT Checked: DSH

DWG Reference: 245-2022.DWG

Status: FOR INFORMATION

Drawing Number: 245/2022/501 Revision: P1