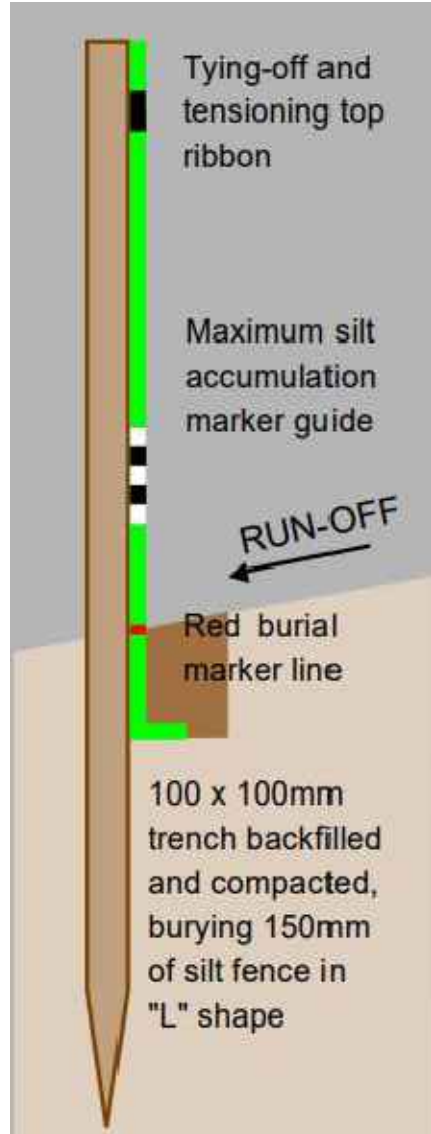


Hy-Tex Terrastop Premium Silt Fence

(Refer to manufacturers installation guide)

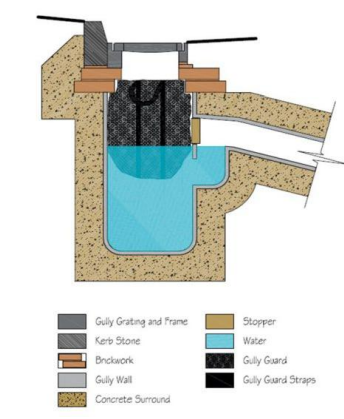


Figure 1: Hy-Tex Terrastop™ Premium



Gully Guard Detail

To be installed on all gullies during construction.



General Notes

- All dimensions are in metres unless otherwise stated.
- All levels are in metres.
- This drawing is to be read in conjunction with all relevant Engineers and Architect's drawings, Specifications, Reports and Engineering Details.
- Do not scale from this drawing.

Drawing Key

- Site boundary (Taken from latest site layout referenced)
- Adoptable section 124 surface water sewer with pipe diameter, pipe code, gradient, and manhole
- Adoptable S38 highway drain and connection
- Proposed Hy-Tex Terrastop Premium Silt Fence

Health, safety & the environment

In accordance with the Construction (Design and Management) Regulations 2015, the designs and details on this drawing have been the subject of a Designers Risk Assessment, to identify risks in the construction, use, or demolition of the scheme.

It is not considered necessary for Designers to highlight obvious and/or common risks (such as deep excavations, manual handling and working around heavy plant) which Contractors should be familiar with, and be able to control by good management and site practice.

So far as is reasonably practicable, the risks inherent in the design have been eliminated. Where it has been considered that elimination of a risk (or part of a risk) is not reasonably practicable, it has been reduced.

| This drawing has been based/developed using the following external drawings |                |              |                                                |               |     |
|-----------------------------------------------------------------------------|----------------|--------------|------------------------------------------------|---------------|-----|
| Type                                                                        | Company        | Drawing date | Drawing title                                  | Date received | Rev |
| Site Layout                                                                 | JGA Architects | 04.05.2022   | 2050/0102-006 Proposed Site Layout Model Space | 04.01.2023    | P06 |
| Topographical survey                                                        | EMP LTD        | July 2022    | 1021_Pinchbeck Topographical Survey_Final      | 04.01.2023    | P05 |

| Agreement                        | Approval Granted |
|----------------------------------|------------------|
| S23 (Land drainage consent)      | NOT APPROVED     |
| S104 (Adoption of sewers)        | NOT APPROVED     |
| S278 (Works in existing highway) | NOT APPROVED     |
| S106 (Foul connection)           | NOT APPROVED     |

ALL WORKS WITHIN THE ADOPTABLE PUBLIC HIGHWAY SHALL CONFORM TO THE CURRENT "LINCOLNSHIRE DEVELOPMENT ROADS & SUSTAINABLE DRAINAGE DESIGN GUIDE" AND "DEVELOPMENT ROAD AND SUSTAINABLE DRAINAGE SPECIFICATION AND CONSTRUCTION" PUBLICATIONS IN FORCE IN THE COUNTY AT THE TIME OF CONSTRUCTION.

ALL ADOPTABLE DRAINAGE WORKS TO BE IN ACCORDANCE WITH CODES FOR ADOPTION DESIGN & CONSTRUCTION GUIDANCE

DRAWINGS HAVE NOT BEEN APPROVED, UNTIL THE DRAWINGS ARE APPROVED THE DESIGNS AND DETAILS SHOWN ON THIS DRAWING ARE SUBJECT TO CHANGE.

ANY WORKS UNDERTAKEN PRIOR TO TECHNICAL APPROVAL IS ENTIRELY AT THE CONTRACTORS' RISK.

Additional Notes

- Materials used in the construction process such as oil, chemicals, cement, lime, cleaning materials and paint have the potential to cause serious pollution. Therefore, the Environmental Agency Pollution Guidance will be followed. A bunded storage area will be located on the site's main compound and will be provided for the duration of the construction period for the storage of oils, fuels, chemicals and other hazardous construction materials. The base and bund walls will be impermeable to the material stored and be of adequate capacity. For those materials stored outside the bunded area, spill pallets will be used.
- Appropriate spill kits will be located at storage areas along with clear written procedures on how to address a spillage if it occurs. Leaking or empty oil drums will be removed from the site immediately and disposal of to an appropriately licensed disposal site via a licensed waste disposal contractor.
- Plant will be refuelled in designated areas on an impermeable surface approved by site management. A spill kit will be available in the event of an accident and will be kept in the refuelling area. Storage areas and containers will be protected against vandalism and unauthorized interference and all containers will be securely locked when not in use.
- When required, a road sweeper will operate in and around the site during dry spells, extra care to damp down during dry spells.
- Site is underlain with clay and will not benefit from a high infiltration rate. Therefore a high overland flow is expected during construction. Hy-Tex Terrastop Premium fencing (or similar) to be used where topography falls towards site boundaries to prevent overland flows from entering neighboring land/watercourses.
- Adoptable drainage system to be installed at the beginning of the job.
- Gully guards to be installed on all gullies during construction to prevent building materials/silt and debris entering the drainage system.
- Sewales and Soakaways to be constructed at the end of the job to ensure no building debris/silt enters the drainage system during the works.

Management of Silt & Surface Water

The activities on site need to be approached in a manner to prevent pollution or cross contamination of watercourses, water bodies or other sensitive receptors and the surrounding area. Surface water should not be allowed to exit the confines of the site without first having passed through a filtration system, either by natural means or man-made, to allow dispersion of and reduce the silt content that is carried.

The following methods are effective in reducing surface water silt content and all, or a combination of them, will be used on site when required and according to prevailing site conditions:

- Avoid excessive soil stripping - retain vegetation & topsoil within a stand-off zone of receptors for as long as possible.
- Form bunds to contain surface water, emptied regularly to prevent overflow.
- Create drainage grips & channels or re-profile the ground to divert water to vegetated areas for natural dispersion.
- Likewise divert surface water to a sump area, emptied regularly to prevent overflow. Install silt curtains along the edges or top of the bank of water bodies and watercourses where these are lower than the site levels - ponds, lakes, field drains, ditches, streams, rivers, canals.
- Prevent surface run-off entering gullies & manholes, alternatively, use a silt blanket or filter system over the cover / grating.
- Avoid tracking or washing out next to drainage ditches, ponds or gullies.
- Reduce silt from being transferred to the roads by minimizing the frequency of plant moving off & on roads.
- Monitor the weather forecast and consider the potential for wet weather.

Detention Basin to be constructed at the end of the job to avoid any silt/construction debris clogging the system prior to it coming online.

Existing ditch

Screen/grill to be located in last manhole to prevent any debris/rubble from entering existing watercourse during construction

Proposed Hy-Tex Terrastop Premium Silt Fence

Existing ditch

- ☐ Northampton  
4 Gosport Way, Brinkworth,  
Northampton, NN16 9LD  
T: 01604 782811
- ☐ Warwick  
Unit 12A, Warwick Innovation Centre,  
Warwick Technology Park, Gallows Hill, Warwick, CV34 6JW  
T: 02476 100539
- ☒ Milton Keynes  
Suite 210, Parkway Business Park, 23 First Avenue,  
Donagh, Milton Keynes, MK1 1DQ  
T: 01908 889433
- ☐ Poole  
Suite 1, Brookstone Park House, Brookstone Business Park,  
Bosme Valley Road, Poole, Dorset, BH12 3ED  
T: 01302 350888

E: mail@jppuk.net  
W: jppuk.net

- Infrastructure Design
- Structural Engineering
- Development Planning
- Geotechnical & Environmental
- Surveying
- Professional Advice

|              |                        |             |                                      |
|--------------|------------------------|-------------|--------------------------------------|
| Drawn By:    | AD                     | Client:     | Burnor Construction                  |
| Chkd By:     | LC                     | Project:    | Land East of Surfleet Road Pinchbeck |
| Scale @ A0:  | 1:350                  | Title:      | Surface Water Management Plan        |
| Date:        | April 2023             |             |                                      |
| Status:      | FOR TECHNICAL APPROVAL |             |                                      |
| Project No.: | 26043                  | Drawing No: | 121                                  |
| Rev:         | -                      |             |                                      |

