



LNT CONSTRUCTION

WHALLEY ROAD, BARROW

TEMPORARY RUNOFF MANAGEMENT

882667



INVESTORS
IN PEOPLE

RSK

SEP 2023

1.0 INTRODUCTION

LNT Construction are to develop a residential scheme located to the east of Land Rear of Old Row, Whalley Rd. The proposal is to develop the land with 3 residential houses and a 66 bed care facility.

The site is located to the south of Whalley Road, Barrow. The Ordnance Survey National Grid Reference is 373858 (E), 438443 (N).

The site is currently deemed as Greenfield land, the site is 0.94Ha and generally slopes from 81.00m AOD east of the site to 74.80m AOD west of the site.

This report outlines the temporary site drainage measures and management of construction run-off for the proposed site and has been prepared for, and on the instructions of, LNT Construction. Any other parties using the information in this report do so at their own risk and any duty of care is excluded.

2.0 SITE PERSONNEL AND DOCUMENTATION

The following measures are to be implemented to increase awareness and bring existing site documentation up to date:

1. Undertake additional detailed site based awareness training (Toolbox Talk) on silt management and protection for all site staff including groundworkers;
2. Include a detailed section relating to silt protection within site induction folder;
3. Continued review of existing Site Specific Environmental Action Plan (SSEAP) to reflect measures in addition to those within the standard procedures to be implemented on site (As discussed below); and
4. Undertake weekly site audit and obtain support from Environmental Consultant if or when required.



3.0 PROTECTION MEASURES WITHIN ACTIVE DEVELOPMENT ZONE

3.1 Drainage

The following protection measures are to be implemented to protect the surface water system:

1. Provision of a road sweeper on site and adjacent road network during periods of inclement weather (to be continually assessed by site management);
2. Installation and maintenance of one control area per phase of construction with capacity for temporary water storage;
3. When necessary, collected water within the local control areas to be discharged to undisturbed areas and to allow infiltration into the ground;
4. The outfall from the site wide control area should be blocked off to allow settlement;
5. Control area to be monitored to ensure that it does not overflow although this could occur during a significant rainfall event;
6. In the event of heavy rainfall, de-watering with output from the pump into a silt bag. The water would then be allowed to enter the surface water system into the piped system where it will be stored and ultimately allowed to drain away into the existing sewer network.
7. Construction of barrier as indicated on temporary run-off drawing designed to direct surface flow to control areas and prevent off-site flow;
8. Retention of vegetation in areas not identified for construction until later phase;
9. The placement of gully guards (or standard protection) in all gullies during construction and to be inspected and replaced/cleaned when necessary;
10. The placement of a terram layer within all manholes during construction and to be inspected and replaced when necessary;
11. Minimise the movement of plant on and off roads to prevent the tracking of excess soil onto roads and highways (planning of working day);
12. The installation of hardstanding areas to the front of all plots to enable 'clean' forklift access;



13. The placement of topsoil at the earliest opportunity to control surface run-off from completed areas;
14. General good housekeeping of the site.

3.2 Monitoring procedures and records

The following monitoring procedures will be carried out on a daily or weekly basis by the site team to enable continuous review of the measures listed above. A comprehensive record of the effectiveness of the system will then be maintained to enable further review by any parties attending site:

1. Regular inspection and management of the temporary control areas to ensure they are not blocked or over-filled;
2. Replacement of terram as required;
3. Regular assessment of bund construction to ensure surface water is controlled and not impacting adjacent areas;
4. The SSEAP will be reviewed and updated when required to reflect changes to site conditions and operations;
5. All records will be reviewed on a monthly basis, but advice can be obtained by the site team at any time from the appointed environmental consultant; and
6. Contact should be made to the appointed Environmental Consultant in the event of heavy rainfall breaching protective measures.



Appendix 1 – Drawing 882667-11

Temporary run-off management plan



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