


## NOTES

1. This drawing is copyright.
2. All dimensions are to be checked prior to construction or manufacture. Any discrepancy to be reported to the Engineers immediately.
3. Do not scale this drawing, work to figured dimensions only.

## GENERAL NOTES : SLOPE REGRADING WORKS.

ALL PROPOSED REGRADING WORKS ARE TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE FINDINGS AND RECOMMENDATIONS OF THE SLOPE STABILITY ASSESSMENT REPORT BY MESSRS INTEGRAL GEOTECHNIQUE ( WALES ) LIMITED, REF. 1284/GNS/21/SSAR.

MUCH OF THE EXISTING EMBANKMENT IS CURRENTLY IN EXCESS OF / STEEPER THAN 1:2.5, AND TO PROVIDE AN ADEQUATE FACTOR OF SAFETY TO PREVENT SLOPE FAILURE, GRADIENTS WILL BE REQUIRED TO ADJUSTED TO PROVIDE A MINIMUM GRADE OF 1:2.5.

ON COMPLETION OF THE REPROFILING WORKS, AN UPDATED TOPOGRAPHICAL SURVEY WILL BE REQUIRED TO ENSURE THAT THE EMBANKMENT SLOPES HAVE BEEN REPROFILED TO THE CORRECT AND APPROPRIATE GRADIENTS WHERE NECESSARY.

THE PROPOSED LAYOUT HAS BEEN DESIGNED IN ORDER TO PROVIDE SAFE DISTANCES FROM THE REPROFILED EMBANKMENT TOP EDGES, AS DISCUSSED IN THE SLOPE STABILITY ASSESSMENT REPORT, THIS IS TO PREVENT OVER-STRESSING OF THE SLOPES BY THE PROPOSED BUILDINGS / STRUCTURES.

DURING THE EMBANKMENT REPROFILING WORKS, A CONTINUAL ASSESSMENT OF THE EXISTING GROUND CONDITIONS WILL BE REQUIRED WITH PARTICULAR ATTENTION BEING PAID TO ANY DRAINAGE FEATURES AS HIGHLIGHTED IN THE SLOPE STABILITY ASSESSMENT REPORT ( SPOUT ON THE NORTHERN EDGE OF THE EMBANKMENT ), ALTHOUGH THIS MAY HAVE ALREADY BEEN ADDRESSED.

AS PART OF THE OVERALL SAB SCHEME, A 600mm WIDE FILTER STRIP WITH A 225mmø PERFORATED PIPE LOCATED AT THE BASE OF THE NORTHERN EDGE OF THE EMBANKMENT HAS BEEN INTRODUCED TO INTERCEPT RUNOFF FROM THE EMBANKMENT AND DISCHARGE DIRECTLY TO THE EXISTING DRAINAGE CHANNEL / WATER COURSE.

A 1.0m WIDE LEVEL AREA HAS BEEN PROVIDED BETWEEN THE REAR GARDEN BOUNDARY FENCES AND THE TOP OF THE EMBANKMENT TO ENABLE MAINTENANCE ACCESS WHEN REQUIRED. WITHIN THIS ACCESS AREA, A 450mm WIDE x 600mm DEEP STONE FILLED DRAINAGE CHANNEL / LAND DRAIN WILL BE INSTALLED IN ACCORDANCE WITH THE SLOPE STABILITY ASSESSMENT REPORT.

GEOTEXTILE POCKET MEMBRANES ( GEOCELL OR EQUIVALENT ) ARE RECOMMENDED TO BE USED TO ENSURE TOPSOIL DOES NOT SLUMP DOWN THE EMBANKMENTS.

AN ASSESSMENT WILL BE REQUIRED DURING REPROFILING WORKS TO CONFIRM WHETHER ADDITIONAL SLOPE DRAINAGE WILL BE REQUIRED.

CHECKS FOR GLOBAL AND LOCAL STABILITY WILL BE REQUIRED FOR THE DESIGN OF ANY PROPOSED STRENGTHENING / RETENTION SCHEMES. ALSO AS DISCUSSED IN THE SLOPE STABILITY ASSESSMENT REPORT, WALL EMBEDMENT SHOULD BE WELL BELOW THE LEVEL OF ANY SOFT SPOTS OR COMPLETELY WEATHERED MATERIALS AND THE LEVEL OF ANY SLIP ZONES.

ANY RETAINING STRUCTURES WILL NEED TO BE DESIGNED TO TAKE INTO ACCOUNT GROUNDWATER EFFECTS AND WATER PRESSURE.

IN ALL AREAS OF EMBANKMENT CUT AND/OR FILL, THE SLOPES ARE TO BE TOPSOILED AND SEEDED WITH GRASS TO ENSURE THAT ALL FUTURE MAINTENANCE ISSUES CAUSED BY SURFACE WATER RUNOFF ARE KEPT TO A MINIMUM.
PLANTING PROPOSALS FOR THE EMBANKMENT HAS BEEN SPECIFIED BY MESSRS TIR COLLECTIVE ON THEIR PLANS NUMBERED TC23125_LA.1, LA.2, LA.3 & LA.4
GENERALLY THE EMBANKMENT WILL BE FINISHED WITH NATURAL REGENERATION / LONG GRASS AND WITH NATIVE SHRUBS AND TREES TO THE TOP PROVIDING A SCREEN FOR THE REAR GARDEN FENCING.

## REVISIONS

| REV | DATE | BY | DESCRIPTION |
|---|---|---|---|
| A | 14 FEB 2024 | ov | ZEBRA CROSSING DELETED AND RETAINING WALLS ADJUSTED TO REAR OF PLOTS 40 / 41 |

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|---|---|
| Project Title | DEVELOPMENT AT SWANSEA ROAD MERTHYR TYDFIL |
| Drawing Title | SITE LAYOUT – LEVELS & EMBANKMENT REDRADING PROPOSALS |
| Scales | 1:250 @ A1 |
| Drawn | ov |
| Checked | |
| Date | SEPT 2023 |
| Client | MERTHYR VALLEYS HOMES |
| Architect | C2J ARCHITECTS |
| Drawing Number | S.7810–P–L01 |
| REV | A |