



PLAN LAYOUT  
Scale 1:200

- GENERAL INSTALLATION SEQUENCE FOR GRANULAR BACKFILL**
1. SETTING OUT & EXCAVATE TO FORM TRENCH FOR THE FOUNDATION.
  2. ANY SOFT, LOOSE OR UNSUITABLE MATERIAL TO BE REMOVED AND REPLACED WITH COMPACTED GRANULAR MATERIAL.
  3. INSTALL THE BASE COURSE
  4. LAY DRAINAGE PIPE 150MM BEHIND BASE COURSE
  5. BACKFILL THE DRAINAGE MATERIAL
  6. INSTALL THE GEOGRID
  7. ENSURE THE PRINCIPAL REINFORCEMENT DIRECTION OF THE GEOGRID IS PERPENDICULAR TO THE WALL.
  8. LAY FURTHER BLOCK COURSES TO NEXT GEOGRID LAYER
  9. BACKFILL THE DRAINAGE COLUMN AND BACKFILL MATERIAL. THE BACKFILL MATERIAL (ONLY) IS TO BE COMPACTED IN MAX. 200MM LAYERS
  10. COMPLETE THE WALL BY REPEATING STEP 8 UNTIL FULL WALL HEIGHT IS REACHED. INSTALL COPING STONES
- REFER TO TOBERMORE SECURA GRAND INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS

- GENERAL NOTES:**
- This drawing is the property of Independent Design House and no reproduction or disclosure thereof may be made in whole or in part without written permission.
- This drawing has been prepared from information supplied to us by our Client / the Contractor and where necessary through direct site measurement by IDH. All information within this drawing is subject to checking by our Client and the Contractor to ensure the requirements have been correctly interpreted. The Client & Contractor must satisfy themselves that all dimensions, setting out, component selection, lay out, fill heights, loadings, reactions, erection / jacking sequences, access & egress etc. are as required and practicable.
- Details and approach shown within this design are only relevant to this specific Project. Adapting details or approaches shown within this design to other applications, no matter how similar, can place you and other personnel at serious risk.
1. No alterations shall be made to the design without the approval of the IDH Design Office or the Engineer.
  2. Responsibility for inspection and Certification of the erected equipment shall be that of the Erector.
  3. The arrangement of equipment shown on this drawing applies only to this specific application.
  4. Read this drawing in conjunction with the quotation and the Terms and Conditions of Trading.
  5. This drawing and the information it contains is the property of Independent Design House Ltd.
- EXISTING STRUCTURE & FOUNDATIONS:**
- Our Client / the Contractor / Structural Engineer is to ensure that the existing structure, its fabric and the ground will safely support the proposed loads unless identified by IDH.
- No assessment has been made of the existing structure to determine whether it can safely support the indicated proposed loads as this is beyond our knowledge and remains the responsibility of our Client, the Contractor or Structural Engineer otherwise identified by IDH.
- Our Client or the Contractor must prepare all foundations and enabling works to line and level as indicated in this drawing, prior to erection. No excavations are to occur in the proximity of the erected structure without prior consent of IDH.
- ALTERATIONS & CHANGES:**
- No alterations or change of use without prior written confirmation from IDH.
- Client to inform IDH immediately of any inaccuracies within this design, due to site conditions or changes to scope.
- The Client / Contractor must verify all site dimensions and notify of any discrepancies prior to erection.
- PERMITS AND PERMISSIONS:**
- The Client / Contractor must obtain all permits and permissions prior to erection.
- CONSTRUCTION NOTES:**
1. Drawings are not to be scaled.
  2. All making good by Contractor.
- RESIDUAL RISK NOTES:**
- It is the policy of IDH to prepare specific Designer Risk Assessments as design risks are identified within the drawing. Where risks cannot be eliminated and inherently reside within the scheme they are classified as Residual Risk and will be identified with a warning triangle.
- ⚠️ IF IN DOUBT ASK ⚠️

- ⚠️ ANY ENCOUNTERED WATER IS TO BE SUMPED AND PUMPED FROM ALL EXCAVATIONS. NO STANDING WATER IN THE BASE OF EXCAVATION IS ALLOWED
- ⚠️ ALL SERVICES IN VICINITY OF PENETRATIONS TO BE REMOVED OR ISOLATED PRIOR TO ANY WORKS BEING UNDERTAKEN
- ⚠️ ALL DIMENSIONS TO BE CONFIRMED ON SITE AND ANY DISCREPANCIES TO BE ADVISED TO THE DESIGNER
- ⚠️ ENSURE PRINCIPLE REINFORCEMENT DIRECTION OF GEOGRID IS PERPENDICULAR TO WALL FACE
- ⚠️ THESE DRAWINGS AND THE ACCOMPANYING DESIGN DOCUMENTATION SHOULD BE THOROUGHLY CHECKED BY THE CLIENT'S CONSULTING ENGINEER. ANY APPARENT ERRORS, OMISSIONS OR VARIATIONS SHOULD BE REPORTED IMMEDIATELY TO IDH. CONSTRUCTION OF THESE WALLS SHALL NOT COMMENCE UNLESS AND UNTIL THE CLIENT/CLIENT'S CONSULTING ENGINEER HAS CONSIDERED THE IDH DESIGN SUBMISSION DOCUMENT TO ENSURE THAT THERE ARE NO ERRORS, OMISSIONS OR CONFLICT WITH THE SCHEME DESIGN.
- ⚠️ CUSTOMER TO REVIEW ALL LEVELS INFORMATION IS CORRECT TO MOST UP TO DATE SITE LAYOUT PLAN

- GENERAL NOTES AND ASSUMPTIONS:**
1. THE DESIGN INCLUDES FOR CONSIDERATION OF FOUNDATION LOADINGS OF A 1.8m HIGH TIMBER POST IN GROUND FENCE ACTING ON THE WALL (DESIGN OF FENCE BY OTHERS).
  2. WHERE BUILDING FOUNDATIONS ARE PROPOSED BEHIND RETAINING WALLS AND WITHIN THE POTENTIAL INFLUENCE OF GEOGRID REINFORCEMENT, THESE SHOULD BE DEEPENED TO A LEVEL SO AS TO ENSURE NO LOADS ARE TRANSFERRED TO THE RETAINING WALL.
  3. LOCATION PLAN SHOWING WALL LOCATIONS IS INDICATIVE - EXACT SETTING OUT TO BE DETERMINED BY THE MAIN CONTRACTOR'S PROJECT ARCHITECT/ENGINEER.
  4. GLOBAL SLOPE STABILITY OF SLOPES ABOVE AND BELOW PROPOSED WALL ARE TO BE VALIDATED BY OTHERS - THE STEEPNESS OF CREST AND TOE SLOPES IS ONLY CONSIDERED BY IDH WITH RESPECT TO THEIR EFFECT ON THE RETAINING WALL DESIGN.
  5. IDH HAS USED THE PROVIDED GROUND INVESTIGATION REPORT'S BOREHOLE LOGS AND TESTING DATA FOR ASSIGNING SOIL PARAMETERS. IF THERE ARE ANY OTHER SITE-SPECIFIC REQUIREMENTS E.G. CONCRETE SULPHATE CLASS, INHERENT SLOPE FAILURE PLANES, REQUIREMENTS FOR PILED FOUNDATIONS, ETC. THESE MUST BE HIGHLIGHTED TO IDH BY THE CONTRACTOR.
  6. TEMPORARY SLOPE STABILITY FOR INSTALLATION OF THE WALL IS A RESPONSIBILITY OF CONTRACTOR.
  7. TO PREVENT SURCHARGE TO THE RETAINING WALLS ALL PLOT FOUNDATIONS TO BE CASE TO SAME LEVEL AS WALL FOUNDATION WHERE REQUIRED.
  8. ANY FILL USED UNDER FOUNDATIONS TO BE COMPACTED WELL AS PER SHW SERIES 600 SPECIFICATION AND PLATE TESTED TO CONFIRM BEARING CAPACITY. IDH TO BE INFORMED OF THE RESULTS PRIOR TO WALL INSTALLATION.

- 2.00m GEOGRID
- 2.40m GEOGRID
- 3.10m GEOGRID

- INDICATES FRONT FACE OF FIRST UNEMBEDDED BLOCK
- TOP BLOCK
- FENCELINE OF TOBERMORE RETAINED WALL
- FENCELINE OF TOBERMORE GRAVITY WALL

CONCRETE TO BE MIN C20/25 GRADE (FOR LEVELING PAD)

| REV                                  | DATE | DESCRIPTION  | IDR | CHK      |
|--------------------------------------|------|--------------|-----|----------|
| 1                                    |      | For Approval |     |          |
| CLIENT                               |      |              |     |          |
| PROJECT                              |      |              |     |          |
| BURY OLD ROAD                        |      |              |     |          |
| DWG TITLE                            |      |              |     |          |
| TOBERMORE RETAINING WALL DESIGN PLAN |      |              |     |          |
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| DWG NO                               | REV  | SCALE        | DWG | DATE     |
| 11039-01.1                           | PO   | As shown@A1  | CKM | 10/05/24 |
|                                      |      |              | JP  | 10/05/24 |