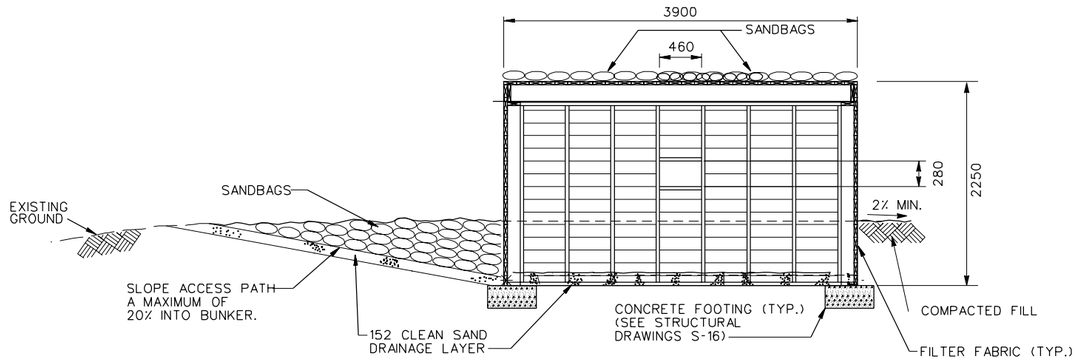


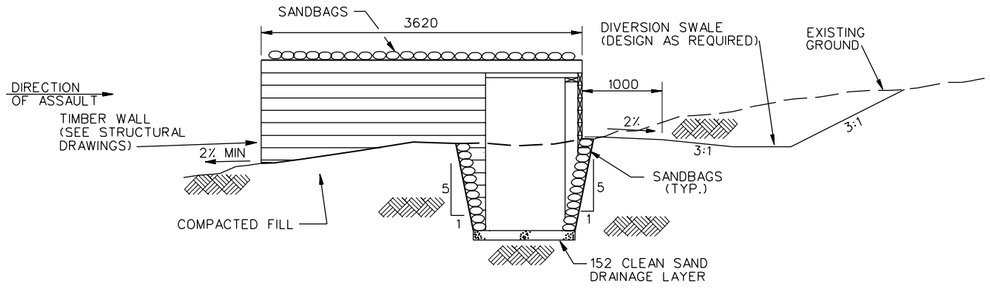
SECTION A C-13 C-13
SCALE : N.T.S.

GENERAL NOTES:

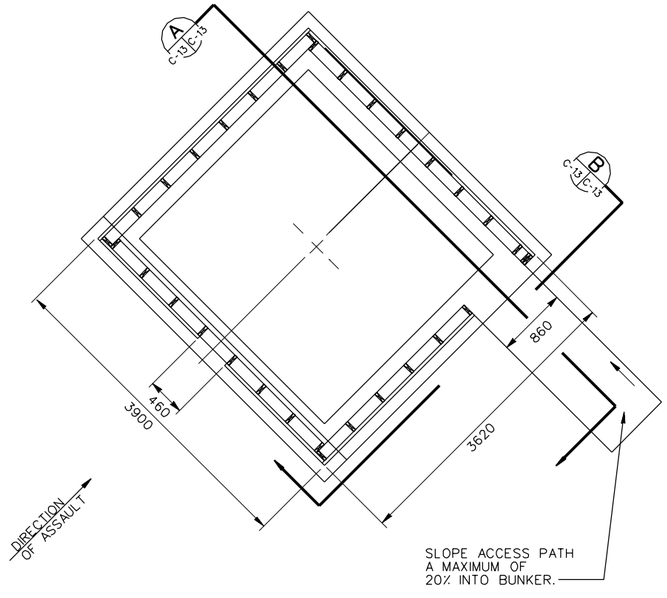
1. WALLS AND ROOF SHALL BE CONSTRUCTED OF TREATED TIMBERS. FILTER FABRIC SHALL BE INSTALLED ABOVE ROOF AND BEHIND ALL WOOD WALLS BELOW GRADE.
2. AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REVEGETATED OR RESURFACED CONSISTENT WITH THE NATURAL SURROUNDINGS. GROUND COVER SHALL NOT REDUCE BUNKER VISIBILITY.
3. ALL DIMENSIONS ARE mm UNLESS OTHERWISE INDICATED
4. CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 28 MPa IN 28 DAYS.

NOTES TO DESIGNER:

1. PROVIDE A SUBDRAIN SYSTEM TO ENSURE ADEQUATE DRAINAGE OF BUNKER.
2. THE NEED FOR FILTER FABRIC SHOULD BE EVALUATED AS PART OF THE SITE ADAPTION PROCESS. A FILTER LAYER MAY OR MAY NOT BE REQUIRED DEPENDING UPON THE SOIL TYPE AT A PARTICULAR SITE.
3. THIS GENERIC DESIGN FOR THE BUNKER MUST BE SITE ADAPTED TO SPECIFIC SITE CONDITIONS DETERMINED BY A SUBSURFACE INVESTIGATION AND A TOPOGRAPHIC SURVEY.
4. SANDBAGS SHOULD BE MADE OF A MILDEW RESISTANT MATERIAL.
5. DEPTH OF FOOTING WILL VARY DEPENDING UPON SUBSURFACE INVESTIGATION AND COMPACTION REQUIREMENTS DURING CONSTRUCTION.



SECTION B C-13 C-13
SCALE : N.T.S.



PLAN-OBSERVATION BUNKER
SCALE: N.T.S.

US Army Corps of Engineers

Symbol	Description	Date	Approved	Symbol	Description	Date	Approved

Designed by: N/A
Dwn by: DFH
Ckd by: GGG
Reviewed by: GGG
Submitted by: REB
Date: 01 APR 98
Rev.
Design file no.
Drawing code: STD 179-00-01
File name: STDC13.DGN
Plot date: 20 MAR 98
Plot scale: FULL

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
HUNTSVILLE, ALABAMA

FORCE XXI/FORCE MODERNIZATION PROGRAM
STANDARD DESIGN

MACHINE GUN/OBSERVATION BUNKER

Sheet reference number:
C -13
Sheet of