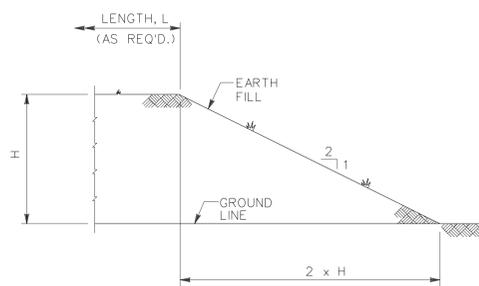
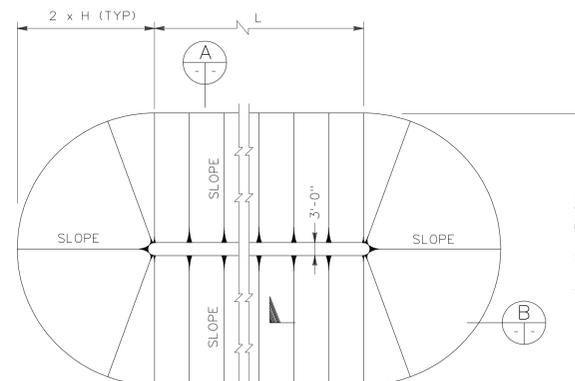


SECTION A
N.T.S.



PARTIAL ELEVATION B
N.T.S.



PLAN
N.T.S.

B1 - EARTH MOUND

ESTIMATED COST, \$	
PER LIN. FT. OF CROSS-SECTION, 15 FT. HIGH	LUMP SUM BARRICADE END
230	2,600

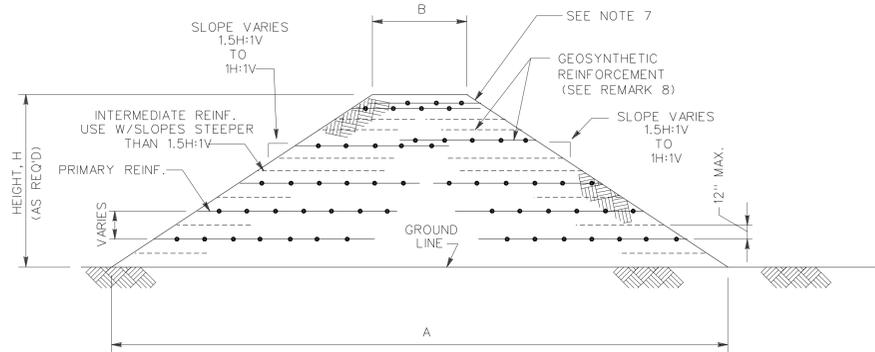
ESTIMATED ERECTION TIME MANHOURS	
100 LIN. FT. OF CROSS-SECTION, 15 FT. HIGH	BARRICADE END
920	90

- REMARKS:
- CAN BE RAPIDLY CONSTRUCTED WITH UNSKILLED LABOR.
 - NO HEIGHT OR LENGTH LIMITATIONS.
 - UNSUITABLE WHERE SPACE IS LIMITED.
 - REQUIRES SOIL STABILIZATION (SEEDING, ETC.)
 - REQUIRES REPEATED MAINTENANCE.

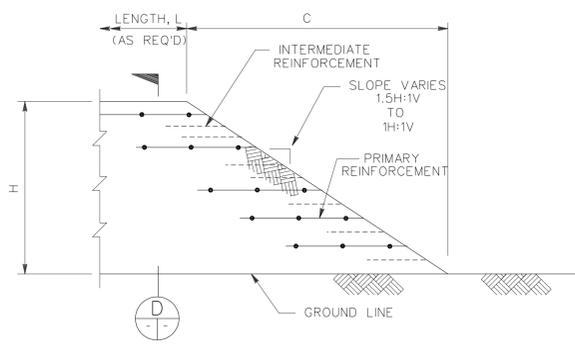
ESTIMATED COST, \$	
PER LIN. FT. OF CROSS-SECTION, 15 FT. HIGH	LUMP SUM BARRICADE END
500	4,800

ESTIMATED ERECTION TIME MANHOURS	
100 LIN. FT. OF CROSS-SECTION, 15 FT. HIGH	BARRICADE END
1,278	140

- REMARKS:
- REDUCED FILL REQUIREMENT OVER UNREINFORCED EARTH MOUND.
 - EFFICIENT CONSTRUCTION AND USE OF LAND.
 - CAN BE RAPIDLY CONSTRUCTED WITH UNSKILLED LABOR.
 - ALLOWS CONSTRUCTION OF STEEPER SLOPES THAN THE SOIL'S NATURAL ANGLE OF REPOSE.
 - NO HEIGHT OR LENGTH LIMITATIONS.
 - REINFORCEMENT IS LIGHTWEIGHT AND EASILY CUT ON SITE.
 - REQUIRES SOIL STABILIZATION. GRASS COVER, IF USED, IS DIFFICULT TO MAINTAIN.
 - GEOSYNTHETIC REINFORCEMENT IS PLASTIC MESH MADE OF HIGH-DENSITY POLYMERS.
SOURCE: THE TENSAR CORP.
P.O. BOX 986
MORROW, GA. 80260
(404) 968-3255



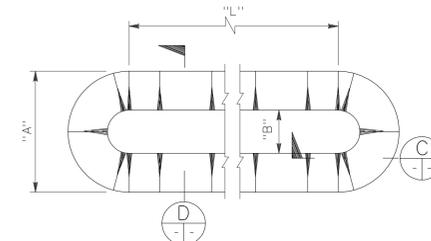
SECTION D
N.T.S.



PARTIAL ELEVATION C
N.T.S.

HEIGHT OF MOUND "H"	WIDTH OF BASE "A"		WIDTH AT TOP "B"		WIDTH OF END "C"
	1.5H:1V	1H:1V	1.5H:1V	1H:1V	
10'	3.60H	2.8H	0.60H	0.80H	SLOPE x "H"
15'	3.60H	2.8H	0.60H	0.74H	"
22'	3.60H	2.8H	0.55H	0.73H	"
30'	3.60H	2.7H	0.54H	0.70H	"
40'	3.60H	2.7H	0.53H	0.70H	"

- NOTES:
- DATA SHOWN IS APPROXIMATE.
 - FOR SLOPES STEEPER THAN 1H:1V USE TYPE B3.



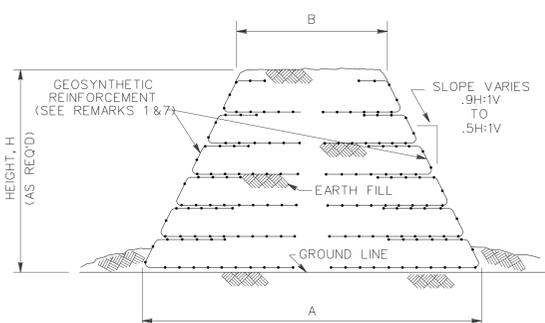
PLAN
N.T.S.

B2 - REINFORCED EARTH MOUND

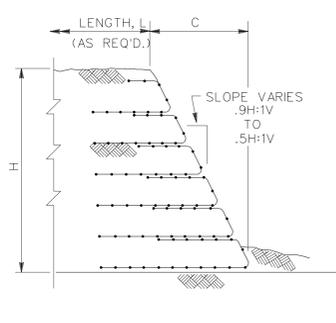
ESTIMATED COST, \$	
PER LIN. FT. OF CROSS-SECTION, 15 FT. HIGH	LUMP SUM BARRICADE END
380	8,700

ESTIMATED ERECTION TIME MANHOURS	
100 LIN. FT. OF CROSS-SECTION, 15 FT. HIGH	BARRICADE END
1,100	270

- REMARKS:
- A FINE MESH POLYMER NET REQUIRED FOR EROSION CONTROL.
 - REQUIRES LESS FILL THAN B1 OR B2.
 - CAN BE LOCATED CLOSE TO SITE BOUNDARIES OR OBSTRUCTIONS.
 - CAN BE RAPIDLY CONSTRUCTED WITH UNSKILLED LABOR.
 - REINFORCEMENT IS LIGHTWEIGHT AND EASILY CUT ON SITE.
 - TEMPORARY SUPPORTS REQUIRED AT FACES DURING CONSTRUCTION.
 - GEOSYNTHETIC REINFORCEMENT IS PLASTIC MESH MADE OF HIGH-DENSITY POLYMERS.
SOURCE: THE TENSAR CORP.
P.O. BOX 986
MORROW, GA. 80260
(404) 968-3255

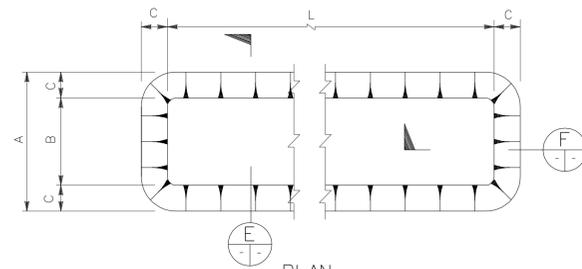


SECTION E
N.T.S.



PARTIAL ELEVATION F
N.T.S.

HEIGHT OF MOUND "H"	WIDTH OF BASE "A"			WIDTH AT TOP "B"			WIDTH OF END "C"		
	SLOPE			SLOPE			SLOPE		
	0.5H:1 V	0.75H:1 V	0.90H:1 V	0.5H:1 V	0.75H:1 V	0.90H:1 V	0.5H:1 V	0.75H:1 V	0.90H:1 V
10'	1.80 H	2.25 H	2.50 H	.80 H	.75 H	.70 H	.50 H	.75 H	.90 H
15'									
22'									
30'									
40'									



PLAN
N.T.S.

B3 - WRAP-AROUND REINFORCED EARTH MOUND

Symbol	DESCRIPTION	DATE	APPROVED
△	SHEET TOTAL CHANGED	22NOV91	

U.S. ARMY ENGINEER DIVISION,
HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA

Site adapt A/E :

Dwn. by : RDP Ckd. by : AF

Reviewed by : Date : 2 DEC 88 Sheet reference number : 3 Design file no. : 51724

Approved by : Drawing code : DEF 149-30-01

BARRICADES

Sheet 3 of 13