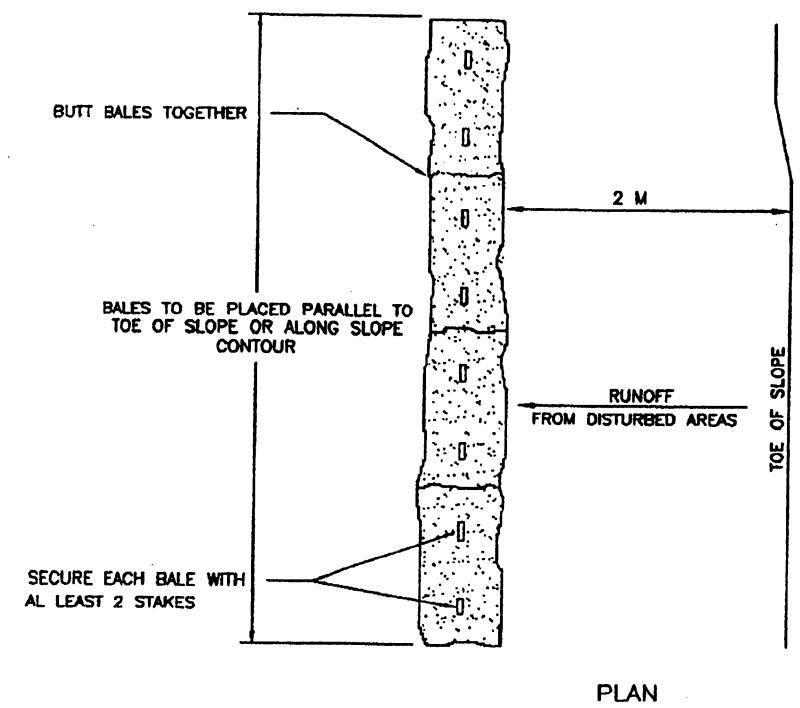
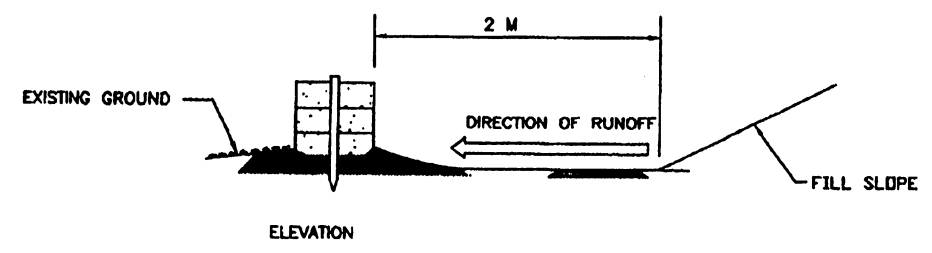
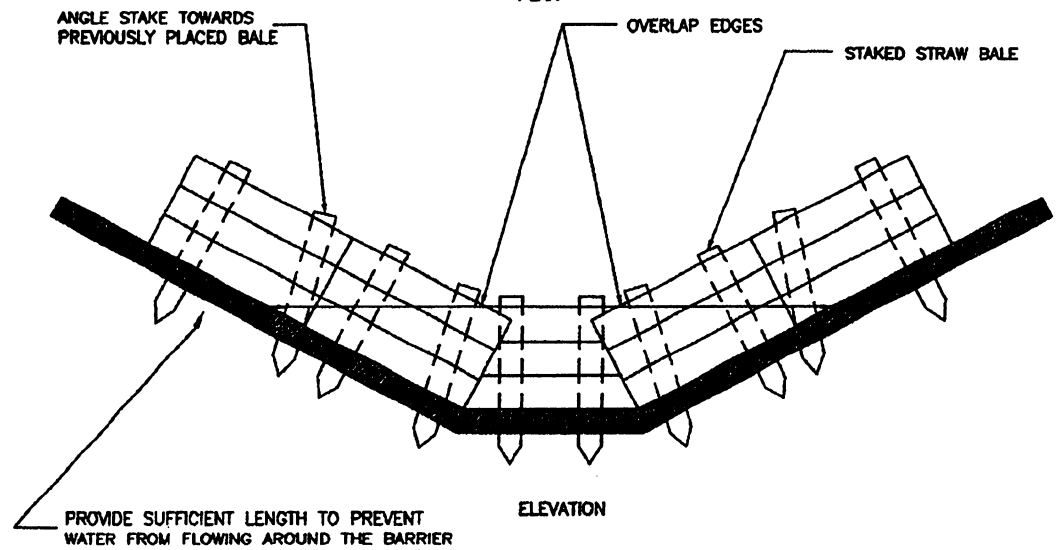
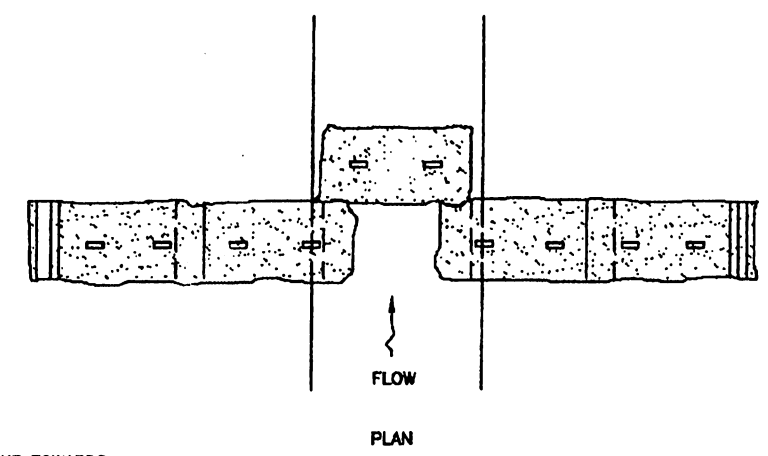


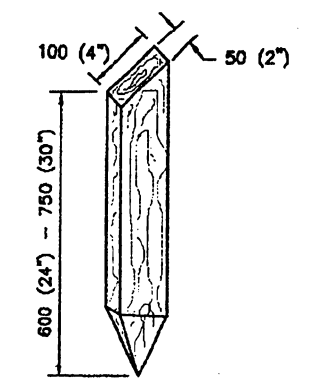
- NOTES:
- 1- STRAW BALES SHALL BE CONSTRUCTED AT THE LOCATION INDICATED IN THE CONSTRUCTION PLANS.
  - 2- USE STRAW BALES IN DRAINAGE DITCHES ONLY FOR LOW FLOW CONDITIONS AND WHEN SPECIFIED ON THE EROSION CONTROL PLANS.
  - 3- INSTALL STRAW BALES ALONG THE CONTOUR LINE
  - 4- EXCAVATION, BACKFILL AND STAKES ARE A SUBSIDIARY OBLIGATION.
  - 5- STRAW BALES SHALL BE EMBEDDED IN THE SOIL AND WHERE POSSIBLE ONE-HALF THE HEIGHT OF THE BALE.
  - 6- STRAW OR HAY BALES SHALL BE SECURELY ANCHORED IN PLACE WITH 4"x1" (100mmx25mm) WOOD STAKES, DRIVEN THROUGH THE BALES. THE FIRST STAKE SHALL BE ANGLED TOWARDS THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER.
  - 7- STRAW OR HAY BALES SHALL BE PLACED PARALLEL TO THE TOE OF SLOPE OR ALONG THE SLOPE CONTOUR.
  - 8- EXCAVATION, BACKFILL AND STAKES ARE A SUBSIDIARY OBLIGATION.
  - 9- STAKES SHALL PENETRATE AT LEAST 300 MM (12") INTO THE SOIL.
  - 10- STRAW OR HAY BALES SHALL BE INSPECTED FOR DAMAGE WEEKLY AND AFTER RAINFALL ANY DAMAGE OR DISPLACED BALES SHALL BE REPLACED IMMEDIATELY. ACCUMULATED SEDIMENT SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE NEXT RAINFALL. NO ADDITIONAL PAYMENTS WILL BE MADE FOR SUCH MAINTENANCE WORK.
  - 11- WHEN THE DISTURBED AREAS HAVE BEEN PROPERLY STABILIZED, THE BALES MAY BE REMOVED AND ANY REMAINING AREAS STABILIZED. THIS WORK WILL BE PERFORMED AS DIRECTED BY THE ENGINEER AS A SUBSIDIARY OBLIGATION.
  - 12- ALL DIMENSIONS SHOWN ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.



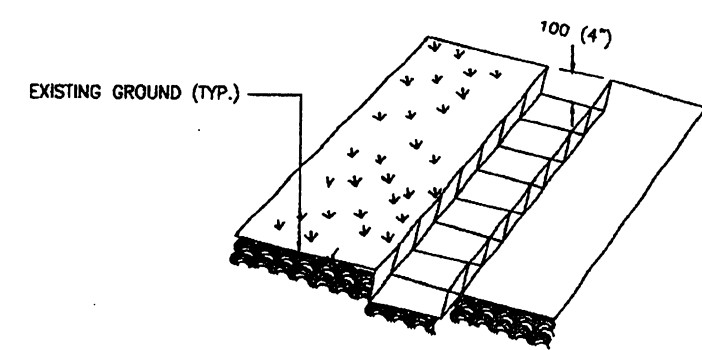
INSTALLATION AT TOE OF FILL



INSTALLATION IN A DRAINAGE DITCH

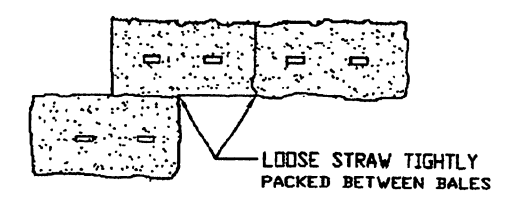
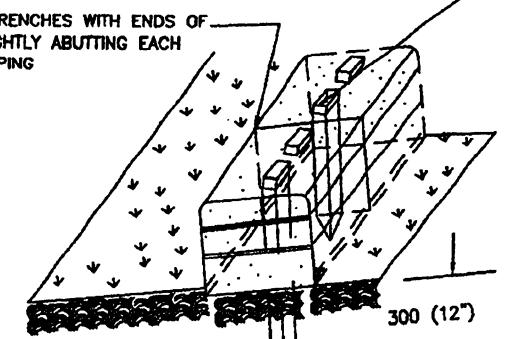


WOOD STAKE DETAIL

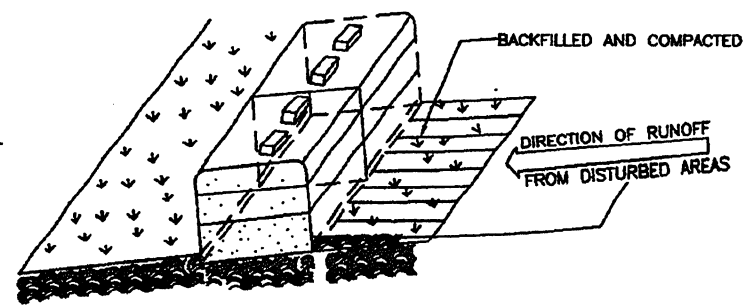


SECURE EACH BALE WITH AT LEAST 2 STAKES. ANGLE THE POINT OF FIRST STAKE TOWARDS THE PREVIOUSLY PLACED BALE.

INSTALL BALES IN TRENCHES WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING EACH OTHER OR OVERLAPPING



STEP 3: TIGHTLY PACK STRAW BETWEEN BALES (PLAN VIEW OF BALES)



STEP 4: BACKFILL SOIL AGAINST AREAS

STRAW BALE INSTALLATION

EFFECTIVE DATE: OCTOBER 1998

COMMONWEALTH OF PUERTO RICO  
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS  
HIGHWAY AND TRANSPORTATION AUTHORITY

EROSION CONTROL DEVICES  
STRAW BALES

RECOMMENDED BY: *[Signature]*  
DESIGN AREA DIRECTOR  
DATE: *Dec 7, 98*

APPROVED BY: *[Signature]*  
EXECUTIVE DIRECTOR  
DATE: *12-24-98*

APPROVED BY: *[Signature]*  
AV. ADM. FHWA-PR DIVISION  
DATE: *12-9-98*

DATE	REVISION	BY
09-24-1997	GENERAL REVISION	L.V.
05-07-1998	GENERAL REVISION	L.V.

STD. ER  
DWG. 2 OF 20