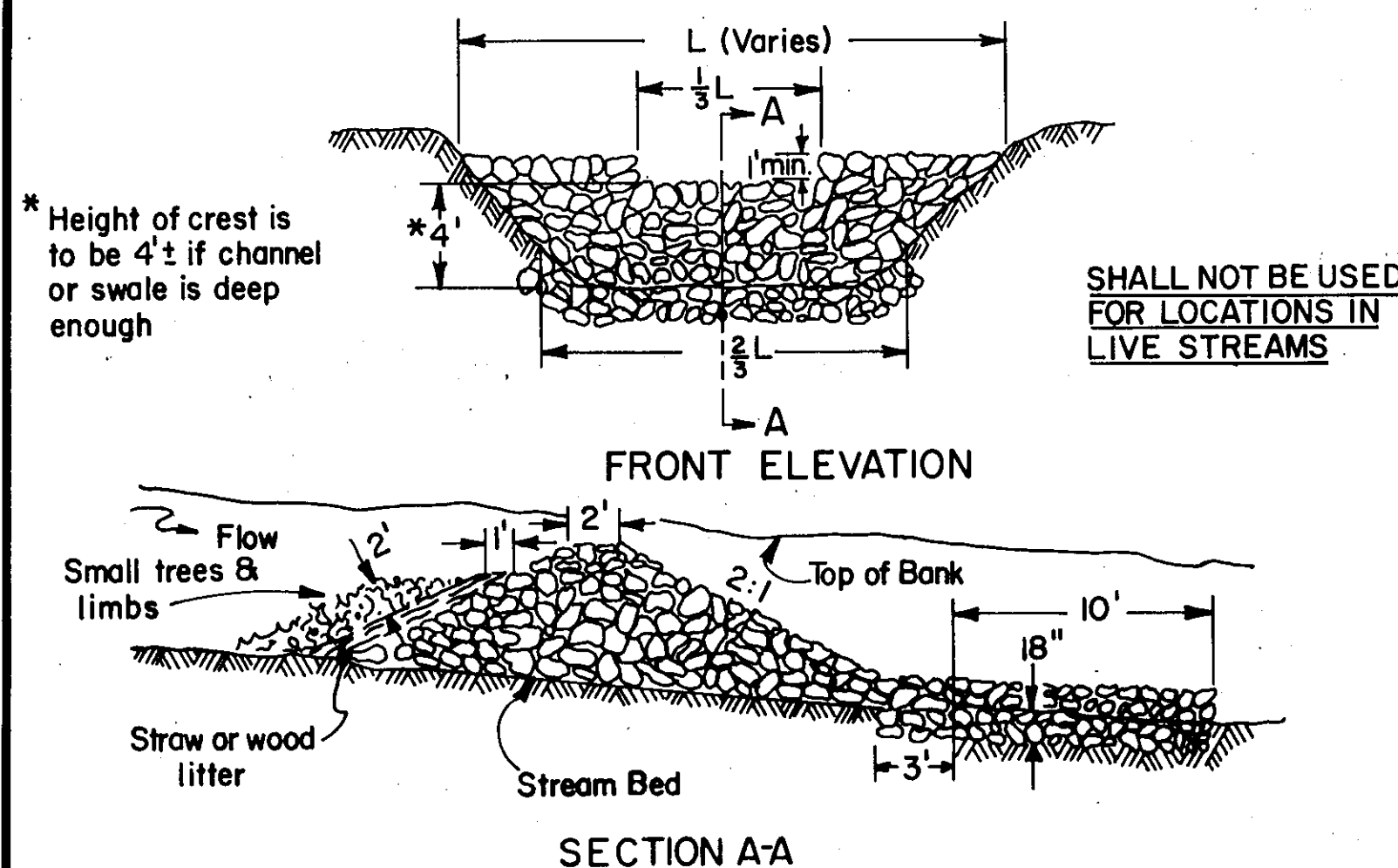
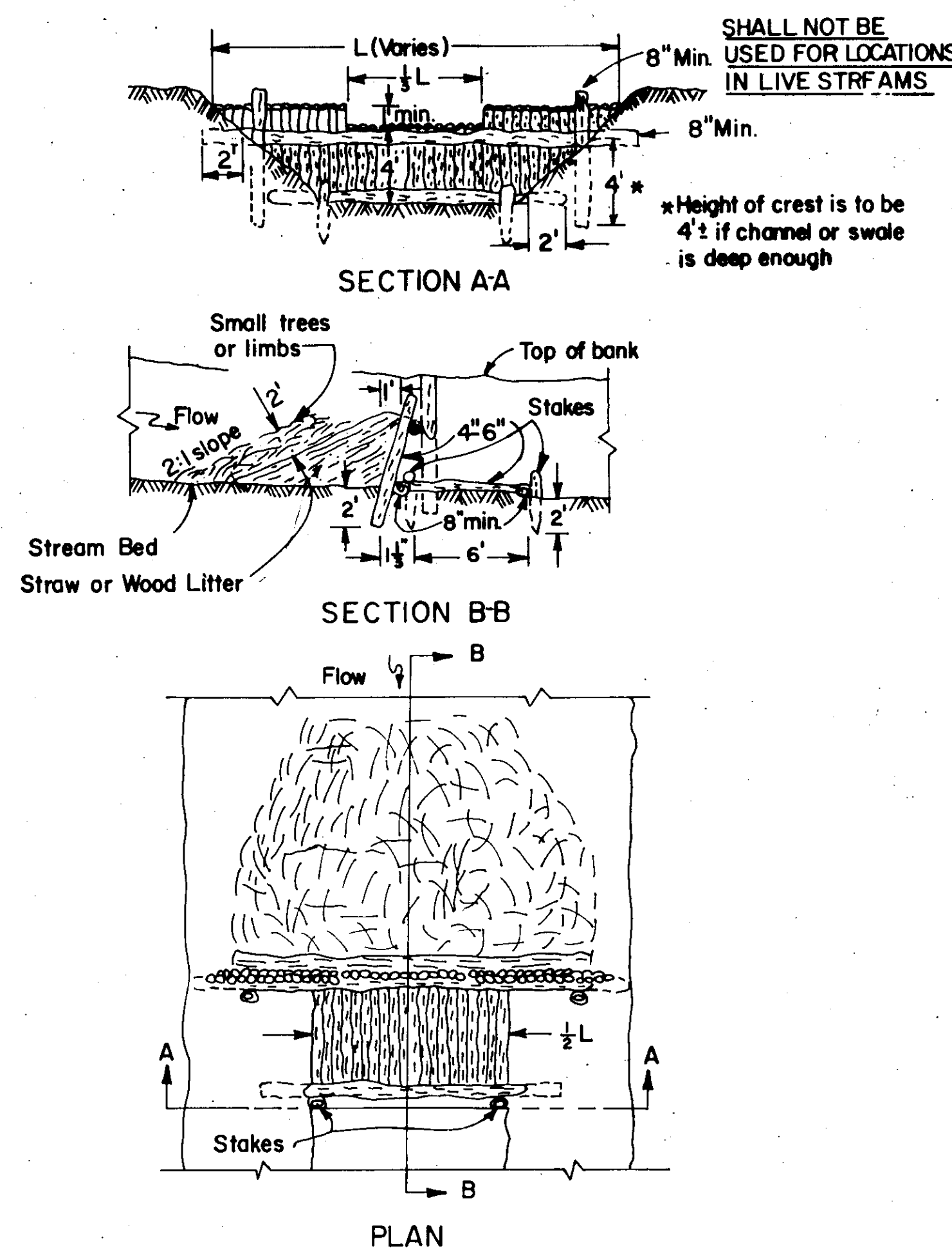


CHECK DAMS TYPICAL DETAIL FOR ROCK CHECK DAM



TYPICAL DETAIL FOR LOG CHECK DAM

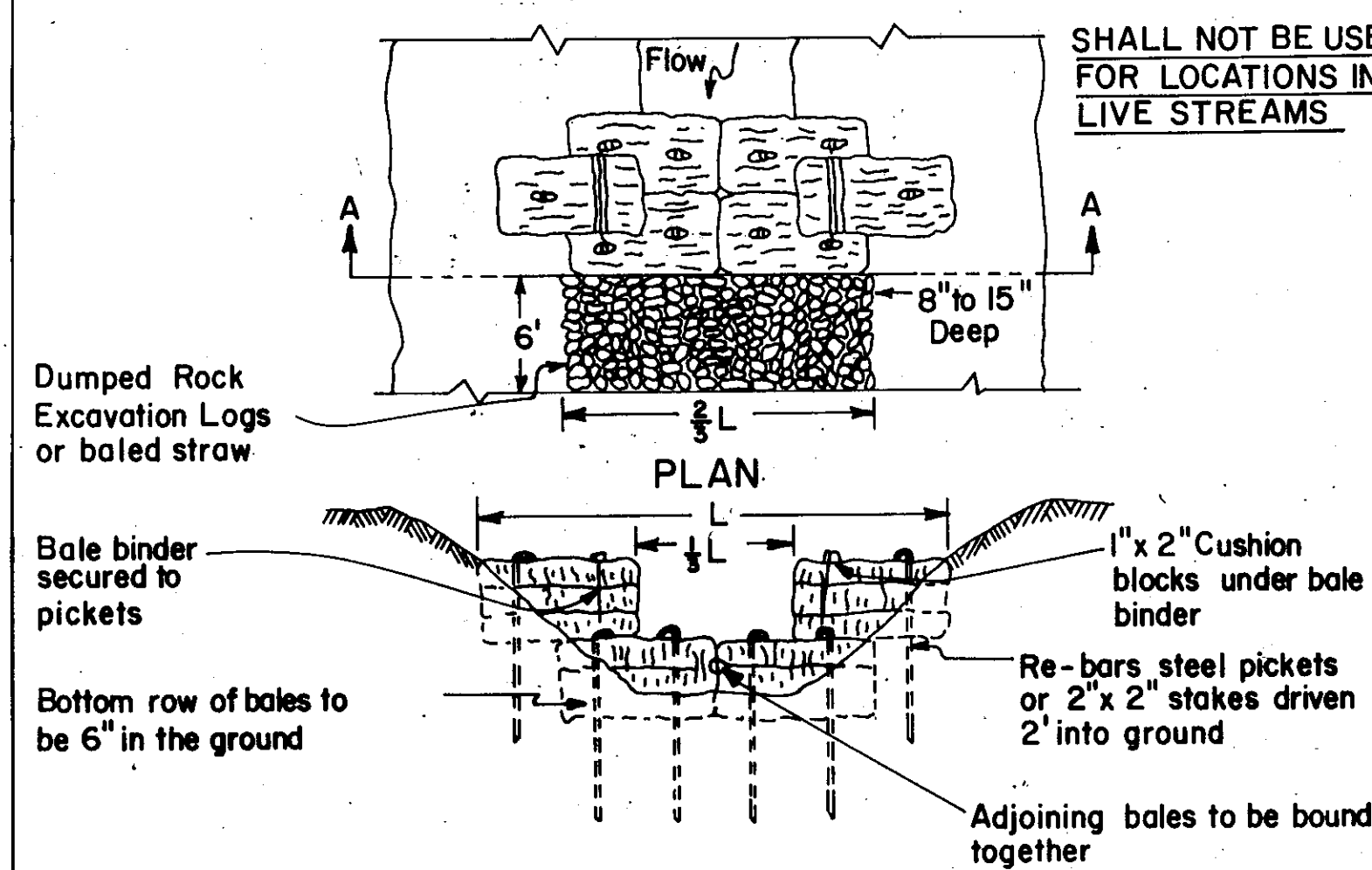


NOTES: THE LOCATIONS OF THE CHECK DAMS AS SHOWN ON THESE PLANS ARE APPROX. ONLY. SUCH LOCATIONS MAY BE CHANGED OR DAMS MAY BE ADDED OR DELETED AS DIRECTED BY THE ENGINEER. THE ROCK AND LOG CHECK DAMS ARE CONSIDERED INTERCHANGABLE.

IN AREAS WHERE LOGS ARE UNAVAILABLE FOR USE IN CONSTRUCTION OF CHECK DAMS, LUMBER OR TIMBER OF LIKE SIZE MAY BE SUBSTITUTED FOR THE LOGS SHOWN HEREON. THE LOCATIONS WHERE THIS SUBSTITUTION WILL BE ALLOWED, WILL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE LUMBER OR TIMBER USED IN THE CONSTRUCTION OF THE CHECK DAM MAY BE UNTREATED.

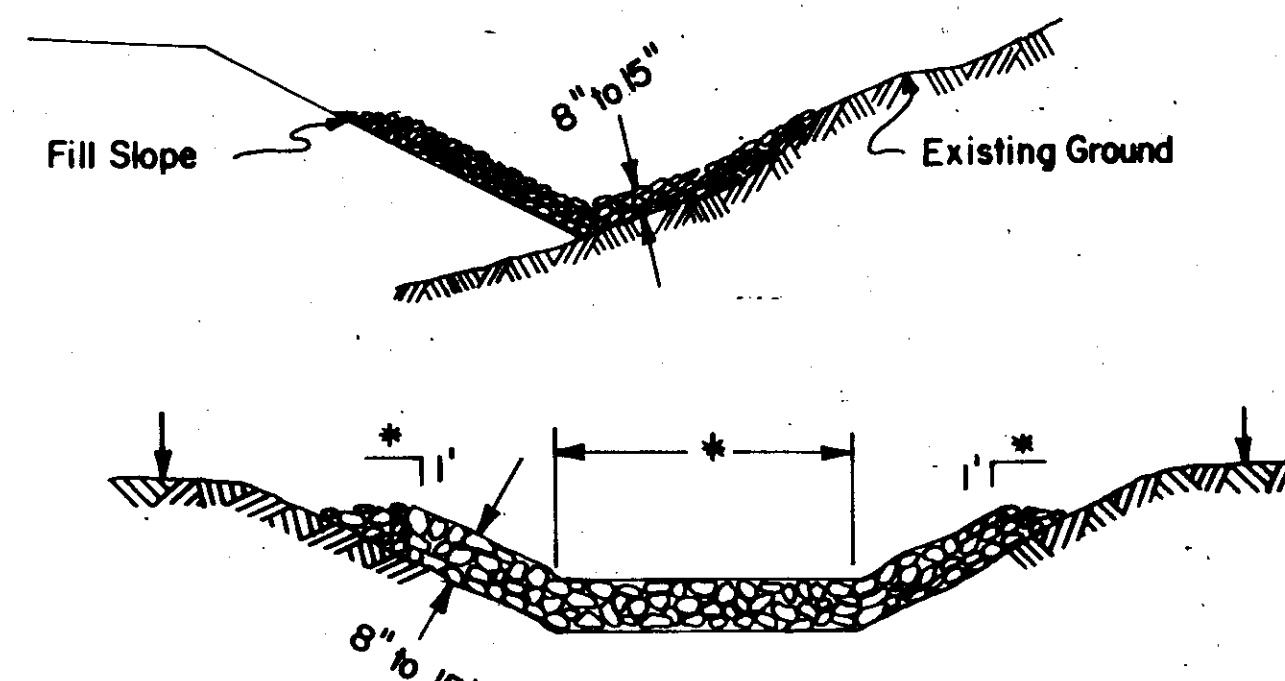
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

BALED STRAW CHECK DAM TYPICAL DETAIL FOR BALED STRAW CHECK DAM



NOTES: THE LOCATIONS OF BALED STRAW CHECK DAMS AS SHOWN ON THESE PLANS ARE APPROX. ONLY. SUCH LOCATIONS MAY BE CHANGED OR DAMS MAY BE ADDED OR DELETED AS DIRECTED BY THE ENGINEER. THE NUMBER OF BALES REQUIRED WILL VARY ACCORDING TO ACTUAL GROUND CONDITIONS. DAMS ARE TO BE TWO BALES HIGH WHERE POSSIBLE.

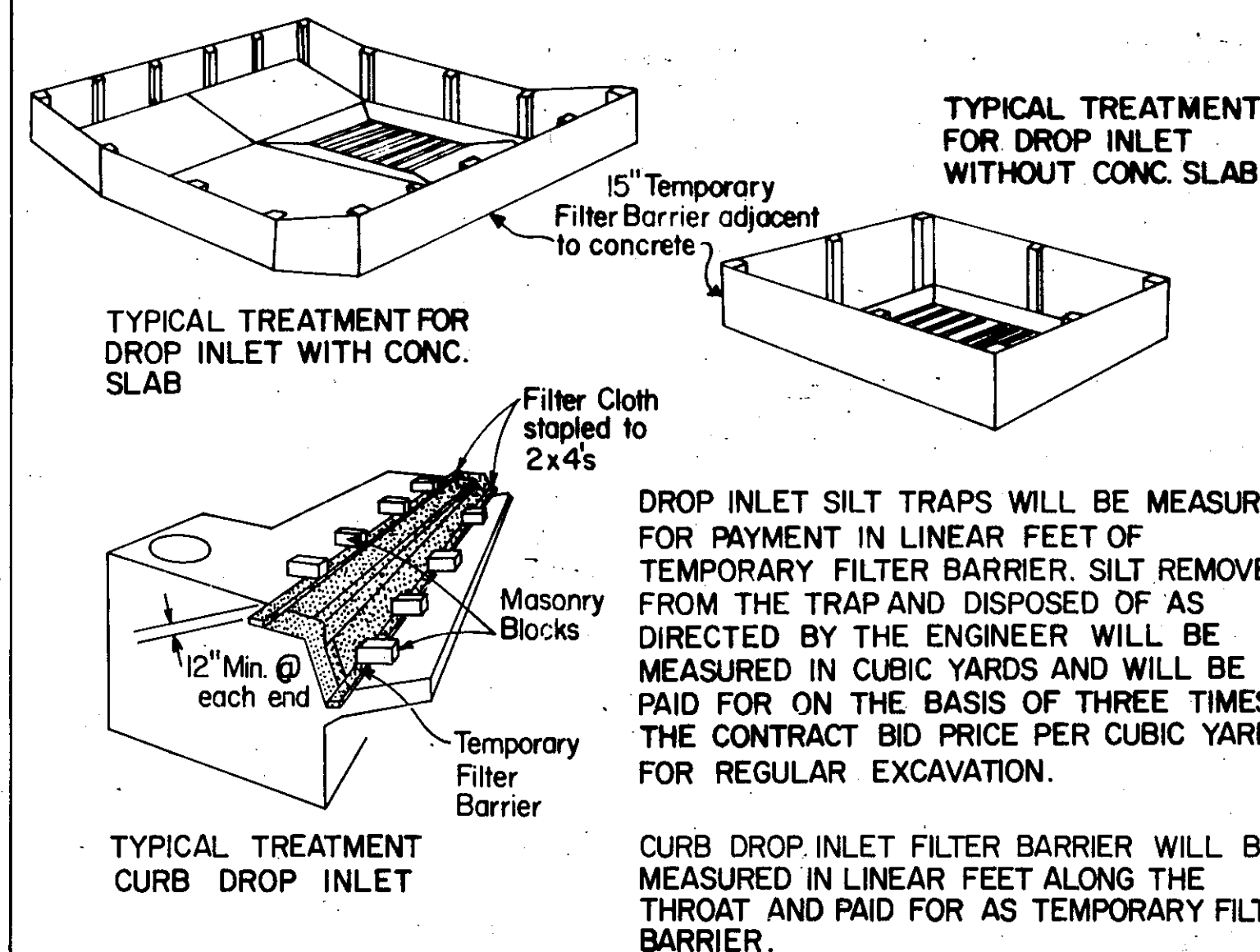
SUGGESTED METHOD OF PLACING EROSION CONTROL RIP-RAP IN CHANNELS, DITCHES & AT TOE OF FILL SLOPES



NOTES: THE DEPTH OF PROTECTION WILL DEPEND ON WHATEVER DEPTH IS ATTAINABLE, WITH THE RIP-RAP BEING EVENLY SPREAD WITH THE QUANTITY SHOWN ON THESE PLANS. EROSION CONTROL RIP-RAP MAY BE ADDED OR DELETED AS FOUND NECESSARY BY THE ENGINEER.

* SIDE SLOPES AND BOTTOM WIDTH (IF TRAPEZOIDAL) SHOWN IN TYPICAL SECTION OF PROPOSED DITCH OR CHANNEL.

DROP INLET SILT TRAP

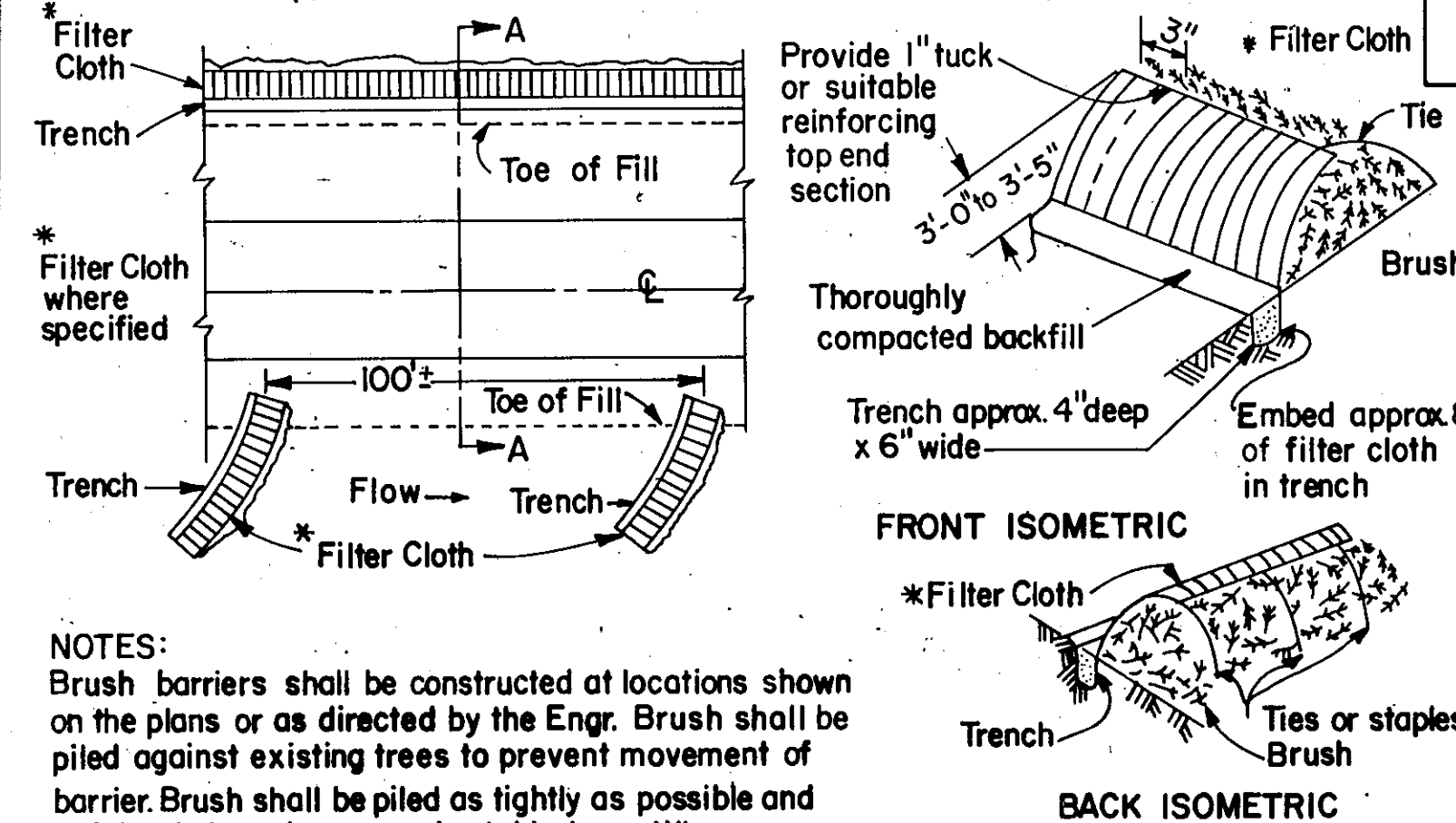


DROP INLET SILT TRAPS WILL BE MEASURED FOR PAYMENT IN LINEAR FEET OF TEMPORARY FILTER BARRIER. SILT REMOVED FROM THE TRAP AND DISPOSED OF AS DIRECTED BY THE ENGINEER WILL BE MEASURED IN CUBIC YARDS AND WILL BE PAID FOR ON THE BASIS OF THREE TIMES THE CONTRACT BID PRICE PER CUBIC YARD FOR REGULAR EXCAVATION.

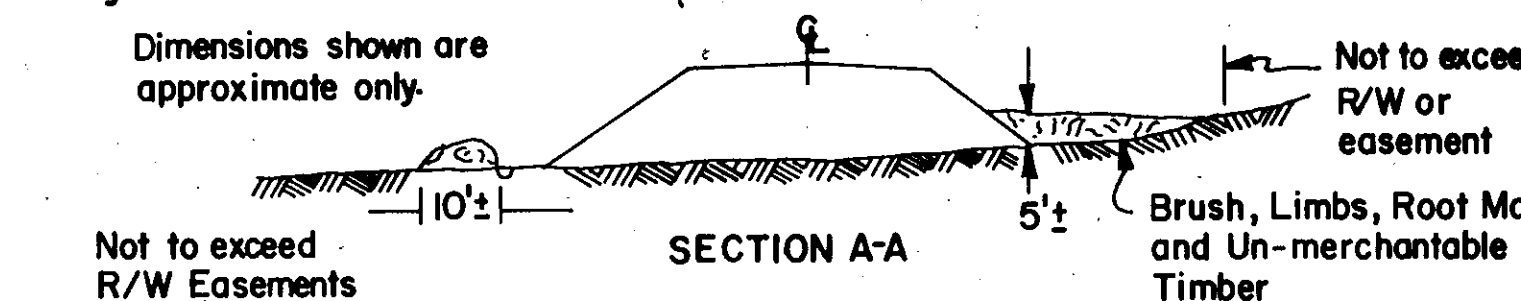
CURB DROP INLET FILTER BARRIER WILL BE MEASURED IN LINEAR FEET ALONG THE THROAT AND PAID FOR AS TEMPORARY FILTER BARRIER.

SILT BARRIERS

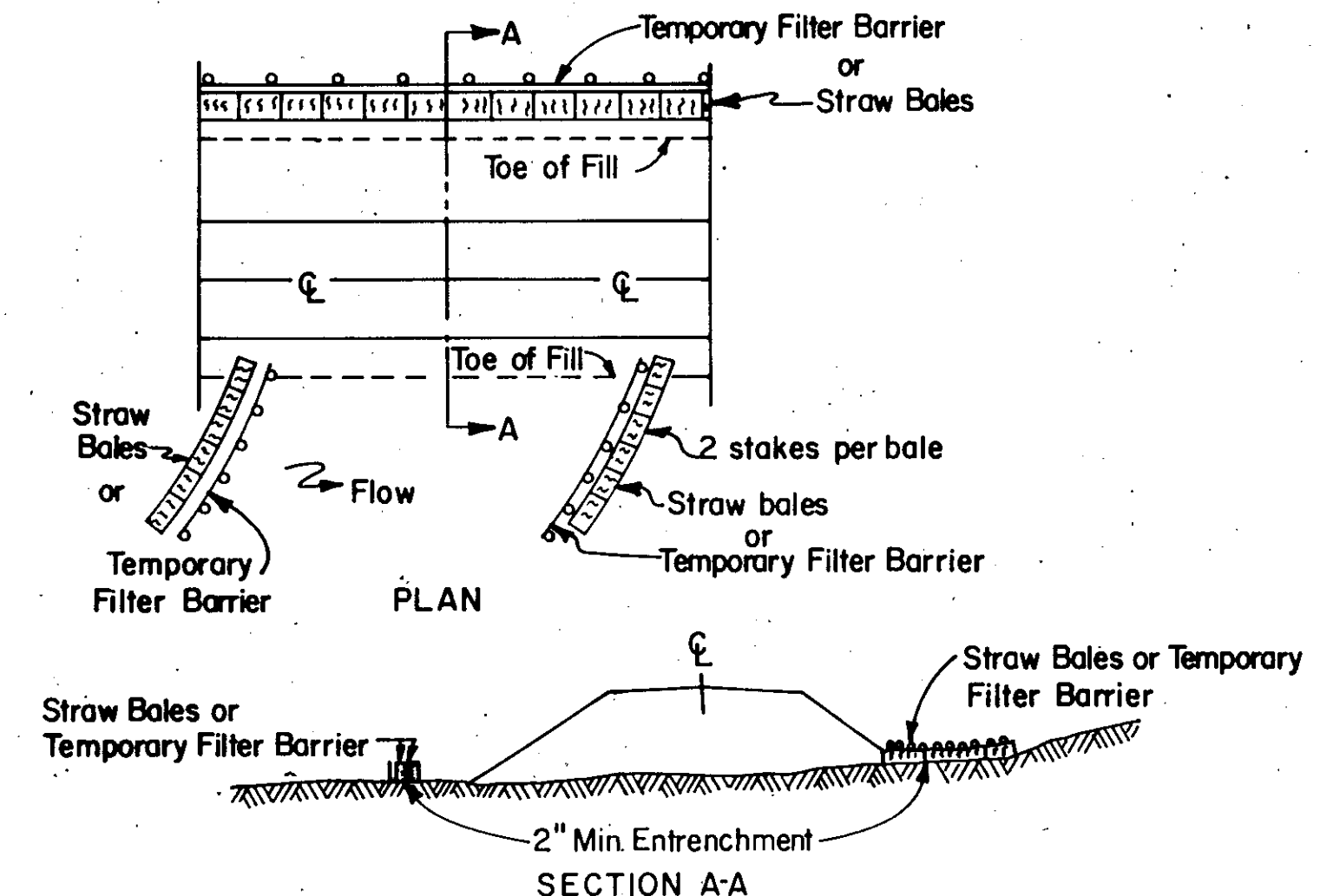
TYPICAL DETAIL FOR BRUSH BARRIER (TO BE USED AT ALL APPLICABLE LOCATIONS)



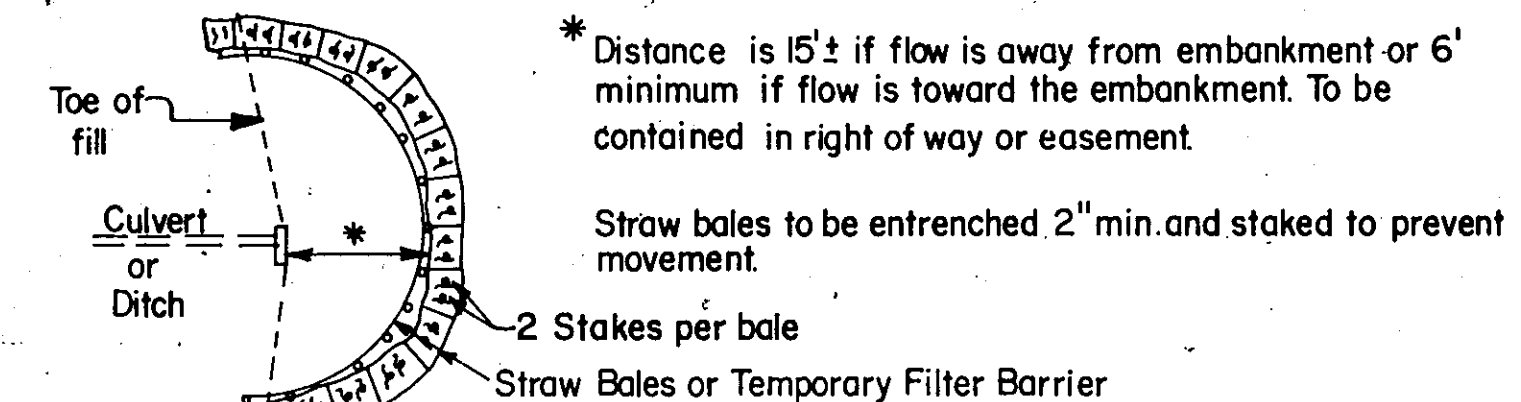
NOTES: Brush barriers shall be constructed at locations shown on the plans or as directed by the Engr. Brush shall be piled against existing trees to prevent movement of barrier. Brush shall be piled as tightly as possible and weighted down by unmerchantable logs. Where determined by the Engr. or as specified in the contract, filter cloth conforming to the special provisions shall be installed as detailed above. Filter cloth may also be attached to existing fences when specified on the plans or directed by the Engineer



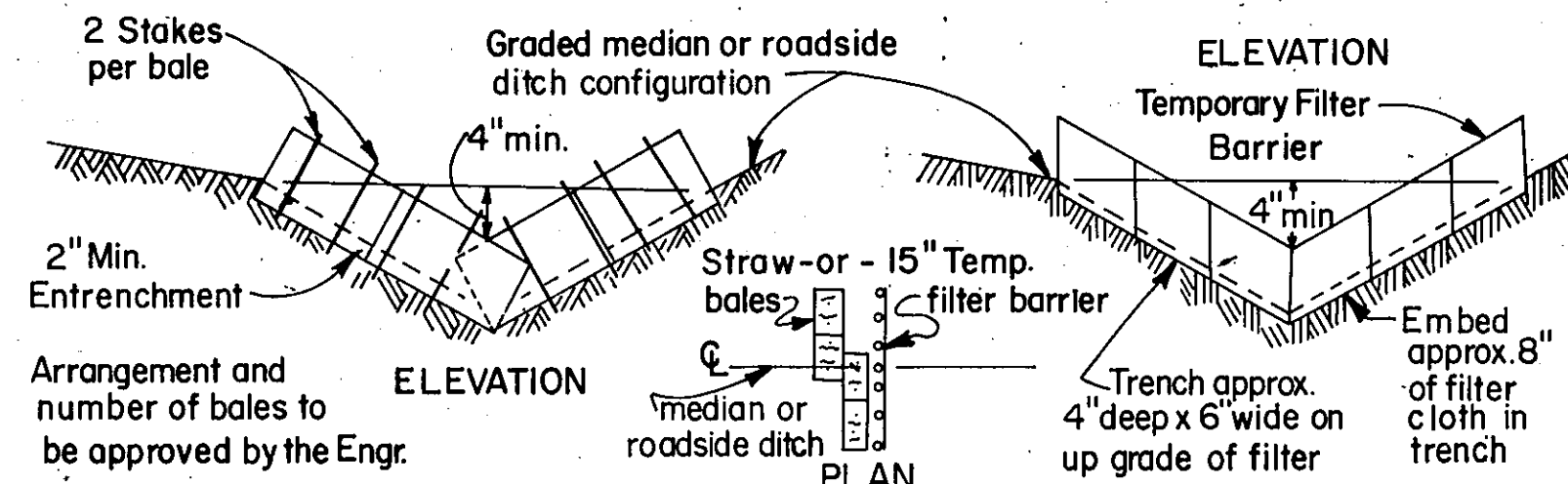
TYPICAL DETAIL FOR BALED STRAW SILT BARRIER OR TEMPORARY FILTER BARRIER USED AT TOE OF FILL



TYPICAL DETAIL FOR BALED STRAW SILT/BARRIER OR TEMPORARY FILTER BARRIER AT CULVERT OR PIPE



TYPICAL DETAIL FOR BALED STRAW SILT BARRIER OR TEMPORARY FILTER BARRIER IN GRADED MEDIANS AND ROADSIDE DITCHES



REVISED	FWHA REGION	STATE	FEDERAL AID	ROUTE	STATE	PROJECT	SHEET NO.
	3	VA.					

GENERAL NOTES

THE SILT THAT BUILDS UP ADJACENT TO A BRUSH FILTER OR SILT BARRIER, OR SILT FENCE, SHALL BE REMOVED AND DISPOSED AS APPROVED OR DIRECTED BY THE ENG. AND WILL BE MEASURED IN CUBIC YARDS AND PAID FOR ON THE BASIS OF THREE TIMES THE CONTRACT BID PRICE PER CUBIC YARD OF REGULAR EXCAVATION.

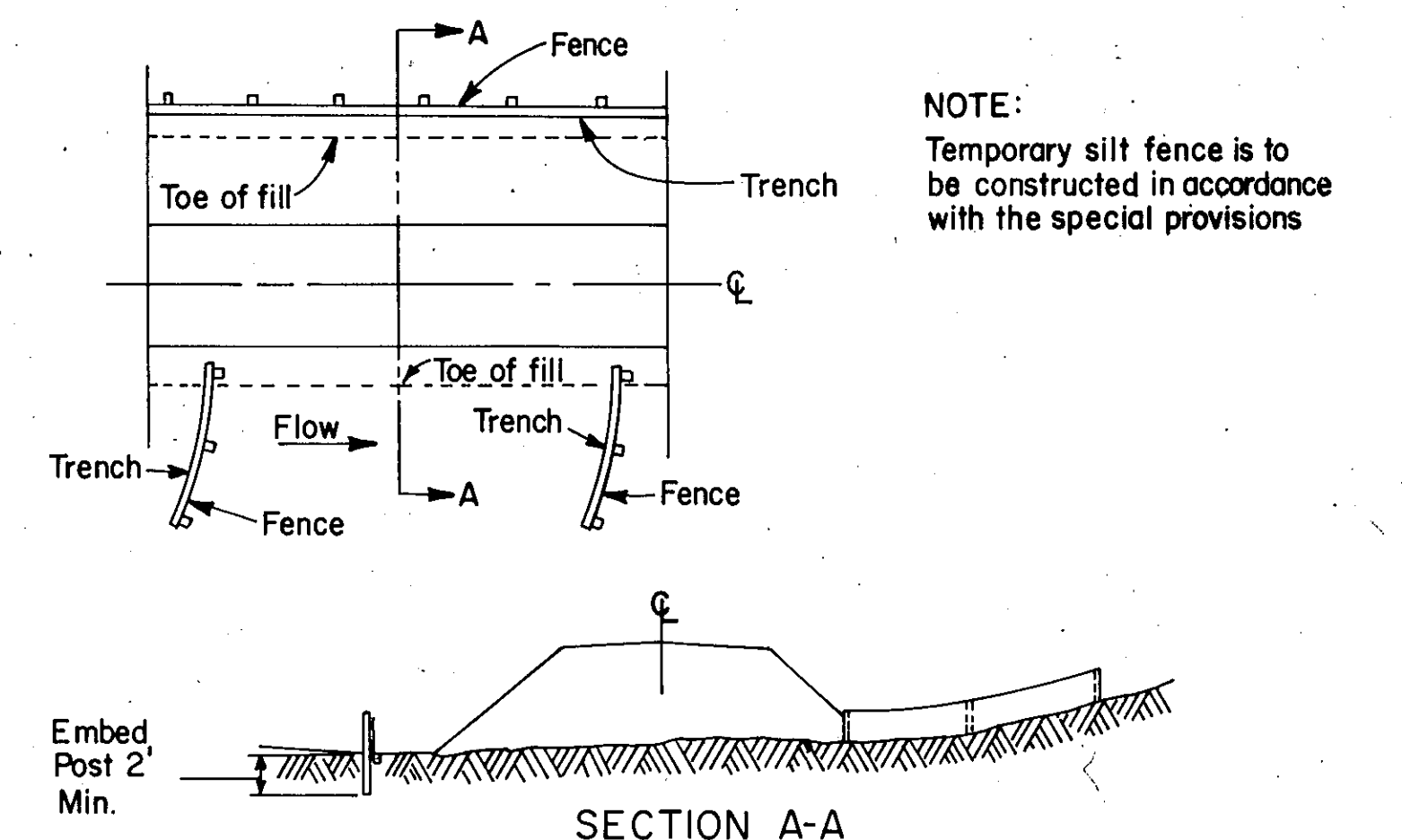
THE BINDING OF BALED STRAW SHALL BE ADEQUATE TO MAINTAIN THE INTEGRITY OF THE BALES FOR THEIR INTENDED USEFUL LIFE. IN THE EVENT THE BINDING FAILS, THE CONTRACTOR SHALL REBIND OR OTHERWISE REPLACE THE BALES AT NO ADDITIONAL COST TO THE DEPT. ADJOINING BALES IN BALED STRAW SILT BARRIER SHALL BE ENTRENCHED, TIED TOGETHER AND STAKED TO PREVENT MOVEMENT. IF SILT REMOVAL IS IMPRACTICAL, ADDITIONAL COURSES SHALL BE PLACED AS DIRECTED BY THE ENGR. AND WILL BE PAID FOR AT THE PRICE BID PER LINEAR FOOT PER COURSE PER BALE WIDTH.

ALL CHANNEL CHANGES ARE TO BE CONSTRUCTED DURING THE EARLIEST STAGE OF CONSTRUCTION AND ARE TO BE CONSTRUCTED "IN THE DRY" WHEREVER POSSIBLE. STABILIZATION OR VEGETATION IS TO BE ESTABLISHED BEFORE FLOW IS REDIRECTED THROUGH THE CONSTRUCTED AREA AS DIRECTED BY THE ENGINEER.

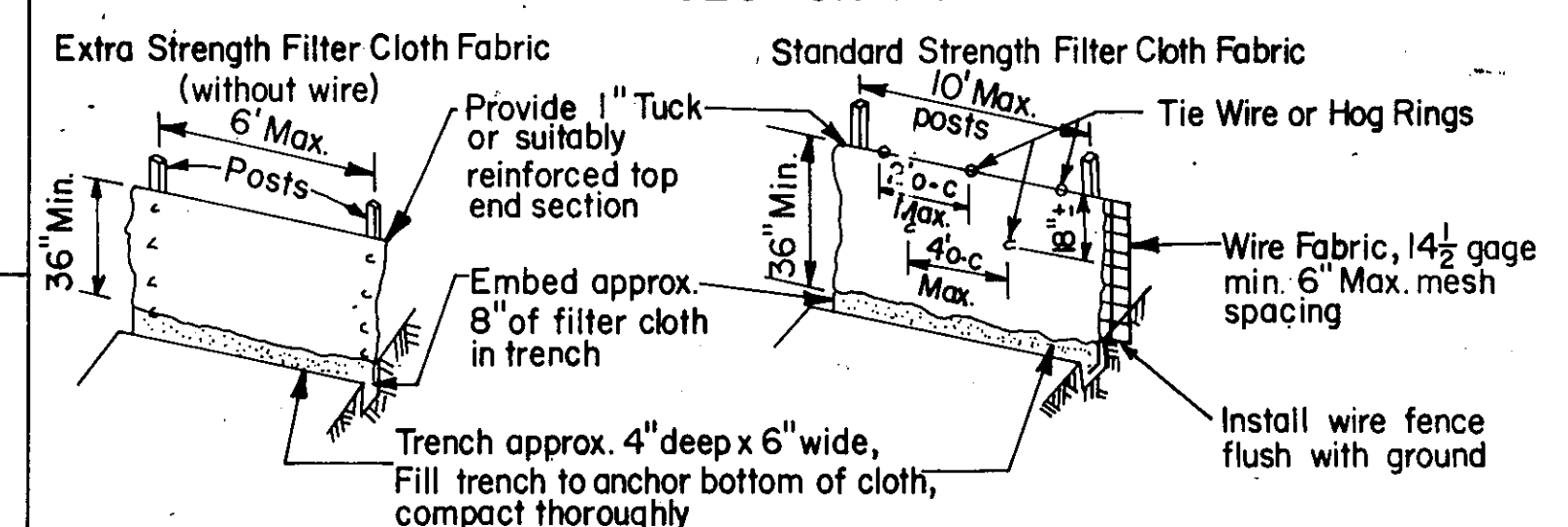
IF REMOVAL OF BRUSH SILT BARRIER IS REQUIRED BY THE ENGINEER, THE COST OF REMOVAL AND DISPOSAL OF BRUSH SHALL BE CONSIDERED INCIDENTAL TO THE COST OF CLEARING AND GRUBBING. IF CLEARING AND GRUBBING HAS NOT BEEN INCLUDED AS A PAY ITEM IN THE CONTRACT, THE COST OF REMOVAL AND DISPOSAL OF BRUSH SHALL BE CONSIDERED INCIDENTAL TO THE OTHER ITEMS OF WORK.

NO BRUSH WILL BE DESTROYED OR REMOVED FROM THE PROJECT UNTIL ALL BRUSH SILT BARRIERS ARE IN PLACE AND HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER

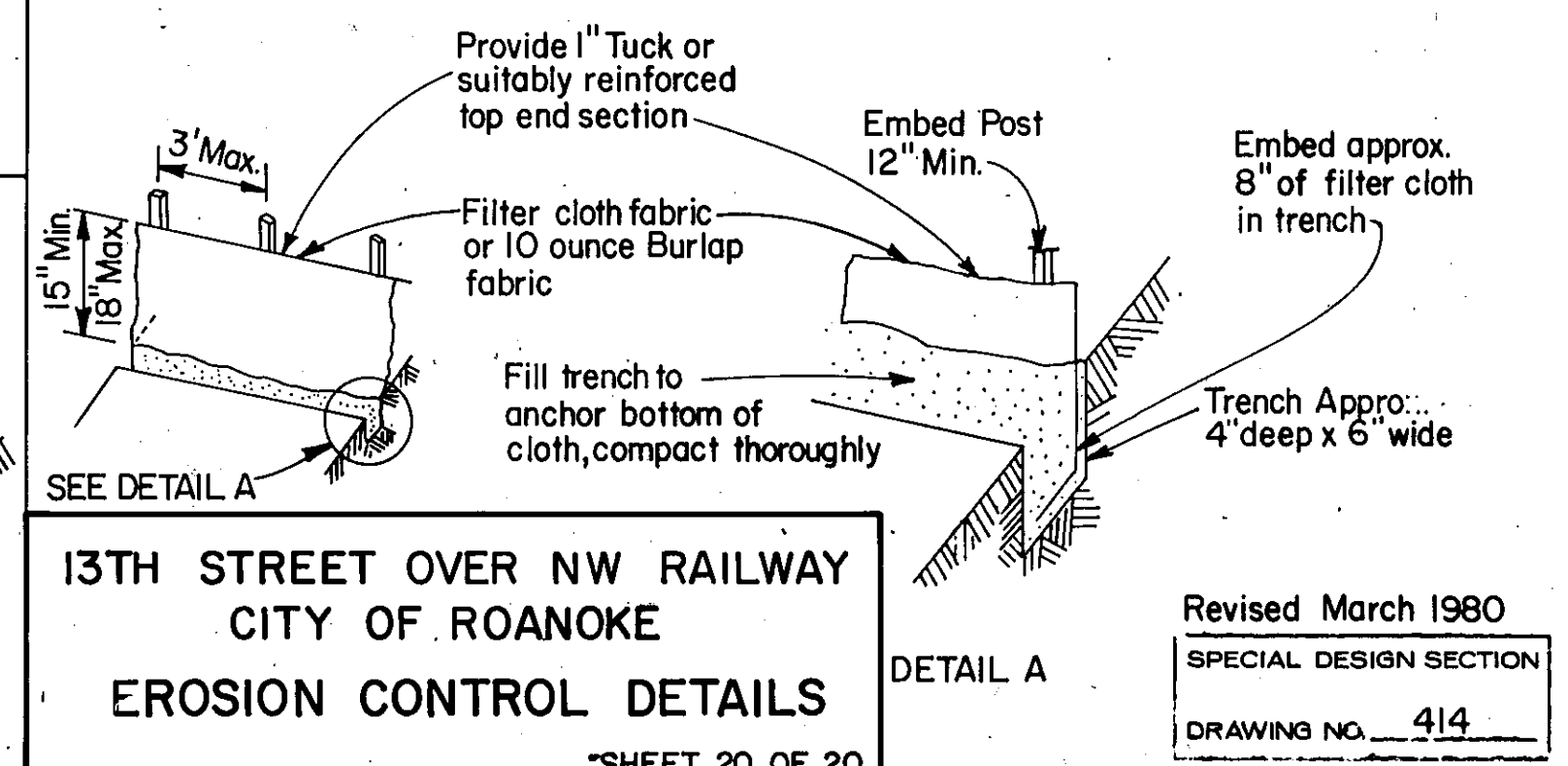
TEMPORARY SILT FENCE



NOTE: Temporary silt fence is to be constructed in accordance with the special provisions



TEMPORARY FILTER BARRIER



SHEET 20 OF 20

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