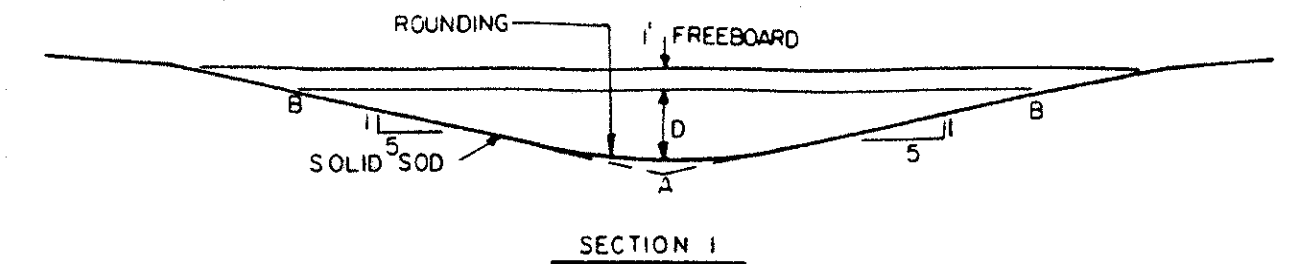


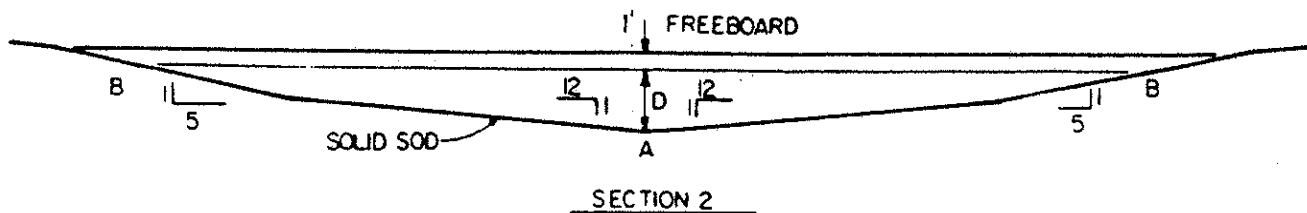
SECTION II
EROSION CONTROL

TABLE OF CONTENTS**EROSION CONTROL**

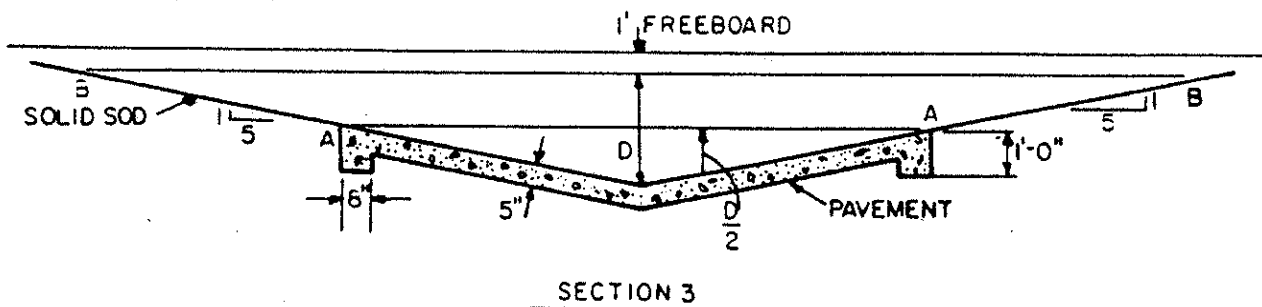
<u>No.</u>	<u>Title</u>
EC-1	Open Channels
EC-2	Joints for Concrete Channels
EC-3	Weepholes for Concrete Channels
EC-4	Sediment and Erosion Control Fiberglass Erosion Stop
EC-5	Soil Stabilization Matting Drainage Ditches
EC -6	Soil Stabilization Matting Drainage Ditches
EC -7	Standard Side Ditches Cut Areas
EC -8	Paved Ditch Sections
EC -9	Standard Berm Ditches
EC -10	Sediment and Erosion Control Placed Rip-Rap Ditch
EC -11	Piled Rip-Rap Detail



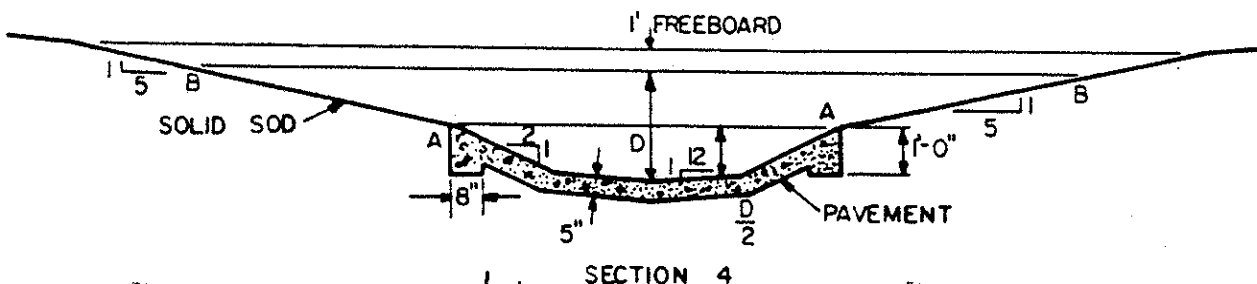
SECTION 1



SECTION 2



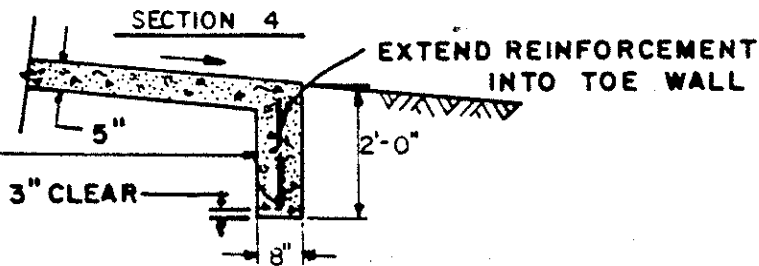
SECTION 3



SECTION 4

CONSTRUCT TOE WALL FULL WIDTH OF PAVE CHANNEL.

ALL CONCRETE SHALL BE MIX NO. 2.



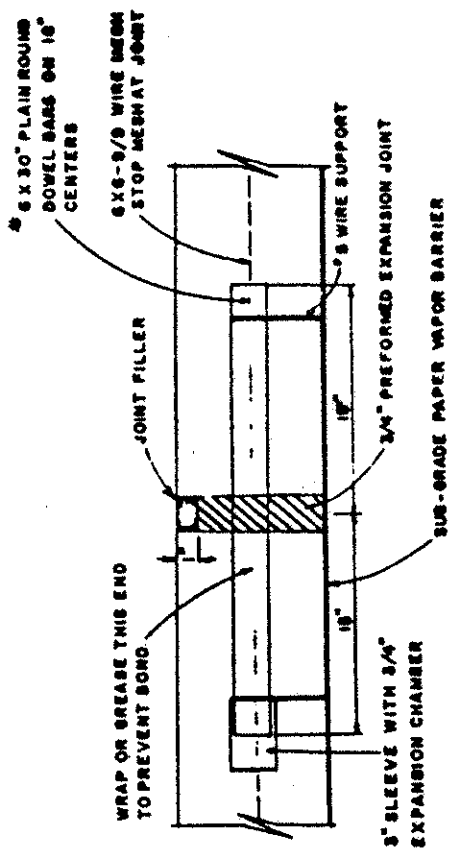
END OF CHANNEL DETAIL

NOTE

ALL SOD TO BE STAKED WITH 1/2" x 1/2" WOODSTAKES ON 24" CENTERS BOTH WAYS. FOR REINFORCEMENT AND CONSTRUCTION DETAILS SEE STANDARDS $\frac{EC}{2}$ AND $\frac{EC}{3}$

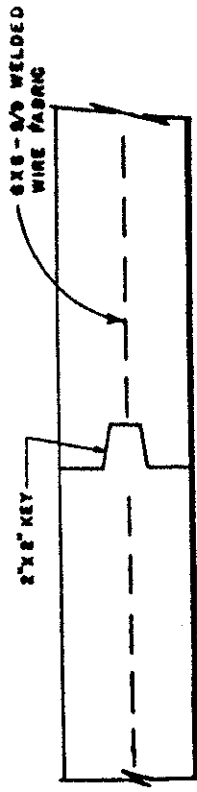
AB = SOD

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS APPROVE: <i>[Signature]</i> CHIEF ENGINEER DESIGN ENGINEER: <i>[Signature]</i> DATE: 9/17/88	STANDARD EROSION CONTROL DETAILS OPEN CHANNELS		REVISED	EC
				1



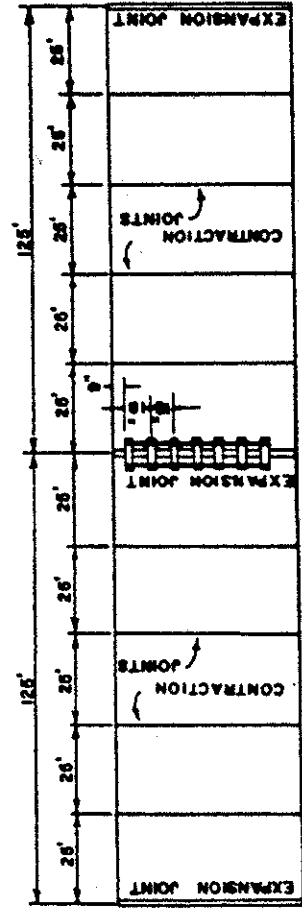
TYPICAL EXPANSION JOINT

OTHER TYPES CAN BE USED IF APPROVED BY THE DRW.
 MAXIMUM SPACING OF DOWEL BARS SHALL BE 18"



CONSTRUCTION JOINT

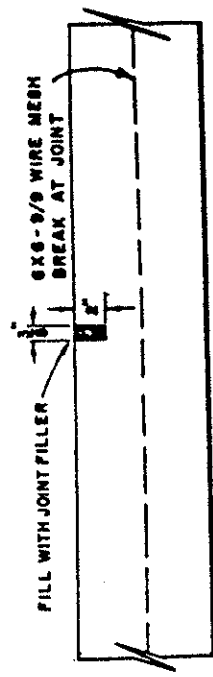
CONSTRUCTION JOINT SHOULD NOT BE PLACED
 CLOSER THAN 10' TO ANY OTHER TYPE JOINT.



PLAN

NOTE:

1. WEAP HOLES ARE TO BE PROVIDED WHERE
 GROUND CONDITIONS AND THE GEOMETRIC
 SHAPE AT THE CHANNEL PAVING REQUIRE
 IT.



CONTRACTION JOINT

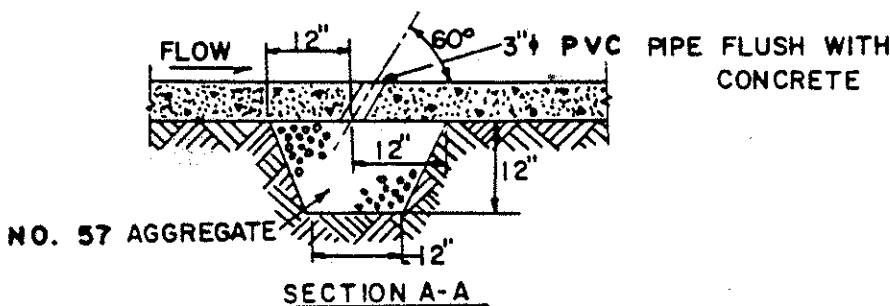
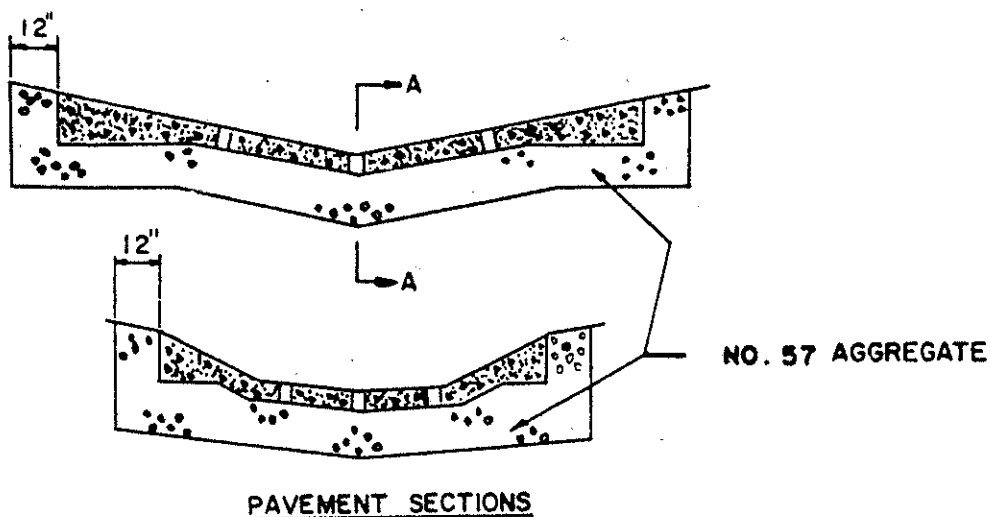
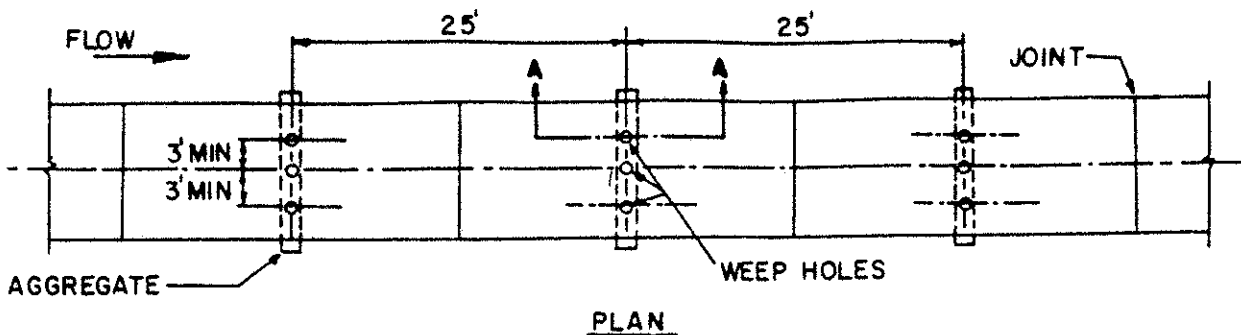
LAP WIRE MESH MINIMUM OF 6"

APPROVED
 CHIEF ENGINEER
 DESIGN ENGINEER
 DATE

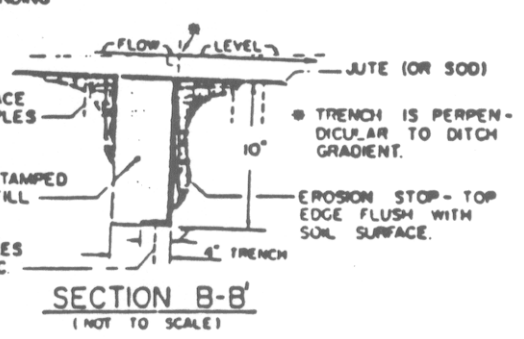
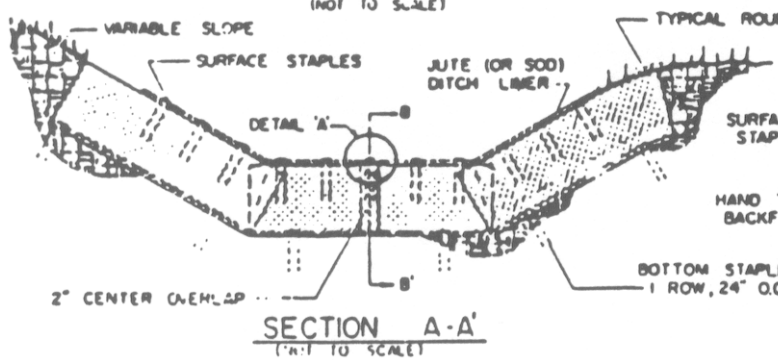
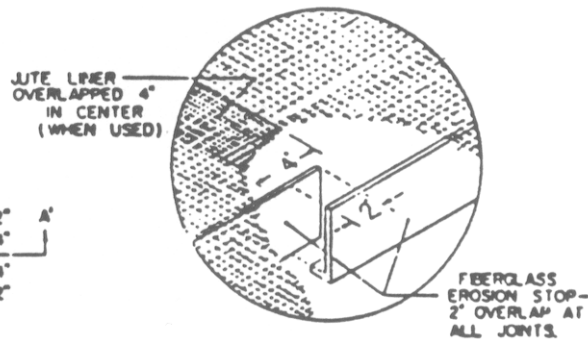
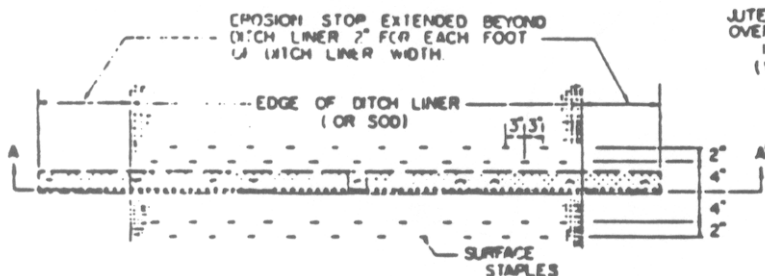
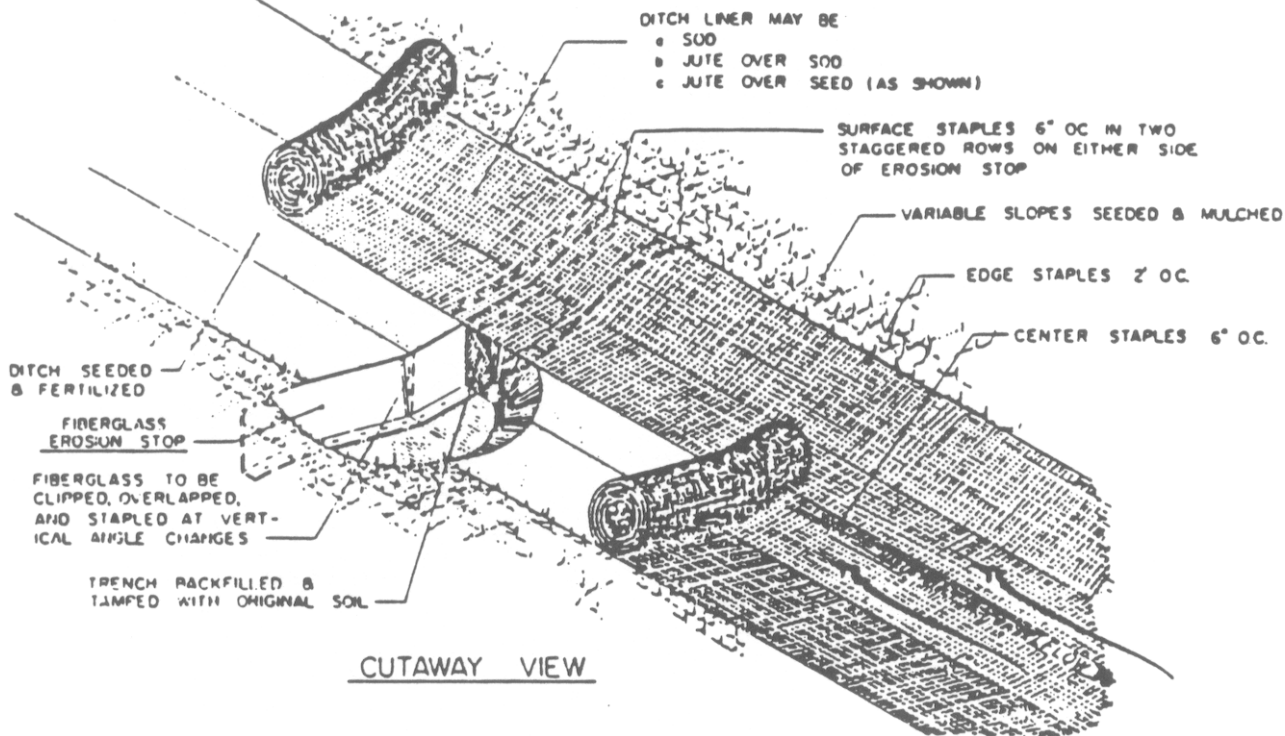
ANNE ARUNDEL
 COUNTY
 DEPARTMENT OF
 PUBLIC WORKS

STANDARD
 EROSION CONTROL DETAILS
 JOINTS FOR CONCRETE CHANNELS

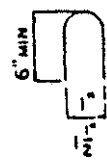
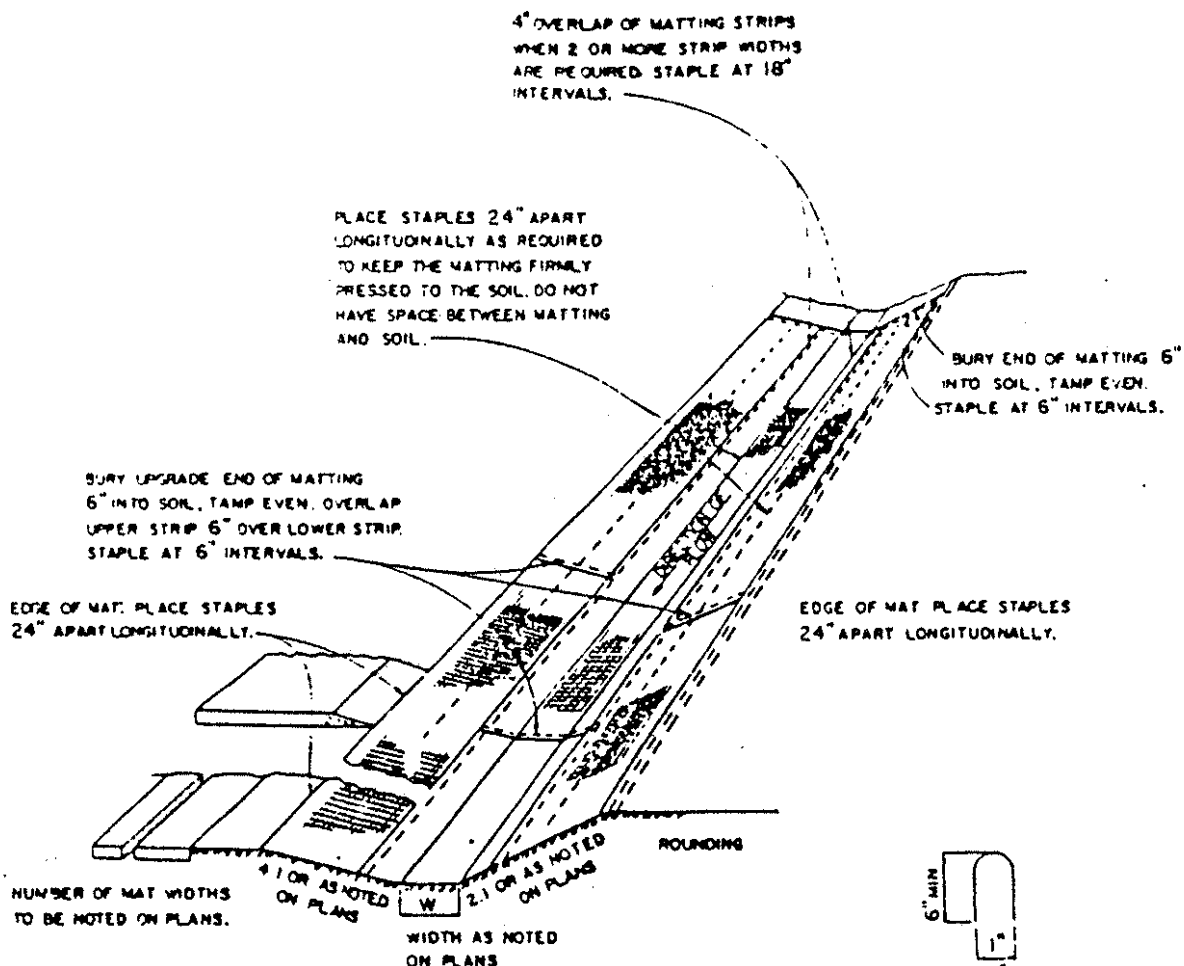
REVISED
 EC
 2



ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS	APPROVED <i>[Signature]</i> CHIEF ENGINEER	STANDARD EROSION CONTROL DETAILS WEEP HOLES FOR CONCRETE CHANNELS	REVISED	EC
	DESIGN ENGINEER 9/5/88			3
	DATE			



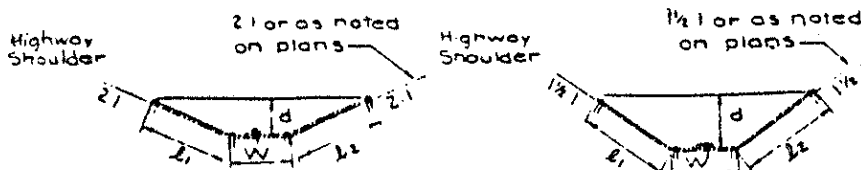
ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS	APPROVED	STANDARD EROSION CONTROL DETAILS SEDIMENT AND EROSION CONTROL FIBERGLASS EROSION STOP	REVISED	EC 4
	CHIEF ENGINEER			
	DESIGN ENGINEER			
	DATE			



11 GAUGE WIRE OR HEAVIER LATERAL SPACING OF STAPLES, TO BE AT EDGE OF MAT, AT OVERLAP OF MATS AND AT BREAK IN GROUND OR MIDPOINT OF MAT WHERE NO BREAKS OCCUR FOR THAT MAT

NOTE: MAT WIDTH IS 48"±1"
SEE SPECIFICATIONS FOR "SOIL STABILIZATION MATTING" FOR DETAILS OF MAT.
USE SEED MIX SPECIFIED.
MULCH IS NOT REQUIRED.
WHEN TOPSOIL IS SPECIFIED IN THE AREA ADJACENT TO THAT WHERE SOIL STABILIZATION MATTING IS TO BE CONSTRUCTED, IT SHALL ALSO BE PLACED AT THE SAME DEPTH IN THE AREA WHERE SOIL STABILIZATION MATTING IS REQUIRED, PRIOR TO THE INSTALLATION OF THE MATTING.

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS	APPROVED <i>[Signature]</i> CHIEF ENGINEER	STANDARD EROSION CONTROL DETAILS SOIL STABILIZATION MATTING DRAINAGE DITCHES	REVISED	EC
	DESIGN ENGINEER 9/17/88 DATE			5



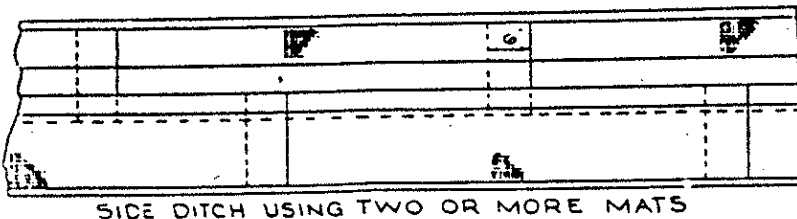
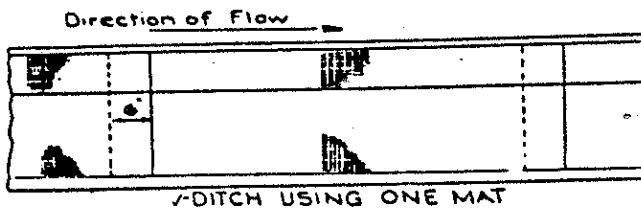
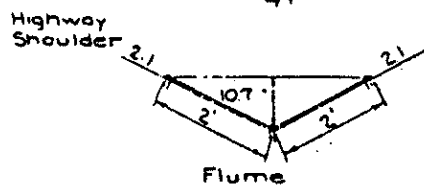
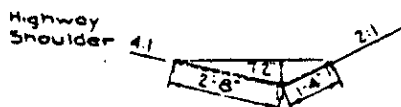
V	Mats	d	L1	L2
12	1	80	18	18
18	1	67	15	15
24	2	52	34	34
36	2	125	28	28

V	Mats	d	L1	L2
12	1	100	18	18
18	1	83	15	15
24	1	67	12	12
36	2	155	28	28

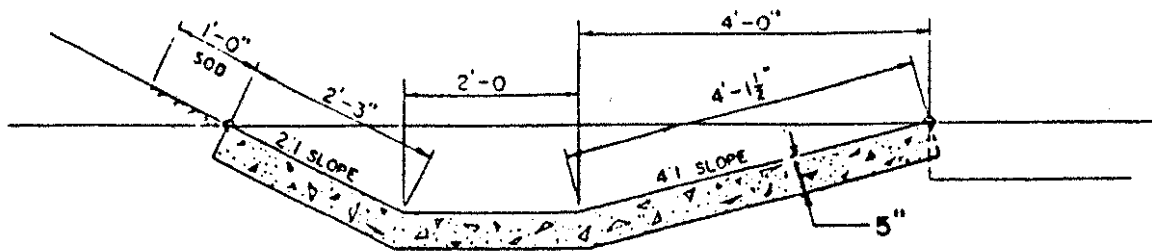


V	Mats	d	L1	L2
12	2	125	52	28
18	2	116	46	26
24	2	106	44	24
36	2	87	36	20

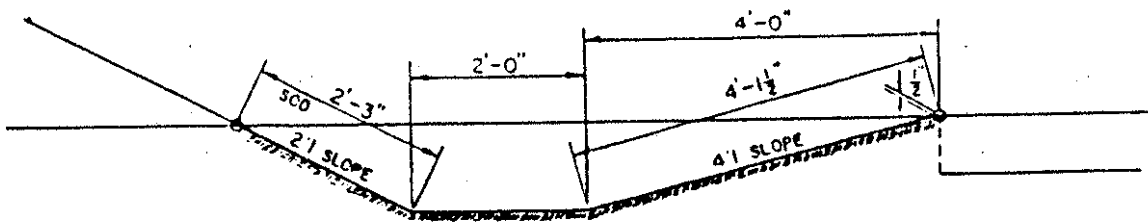
Note: Additional mat widths may be used as noted on the plans. Staples to be placed as noted by symbol (N)



ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS	APPROVED CHIEF ENGINEER DESIGN ENGINEER DATE: 9/15/18	STANDARD EROSION CONTROL DETAILS SOIL STABILIZATION MATTING DRAINAGE DITCHES	REVISED _____ _____ _____ _____	EC 6
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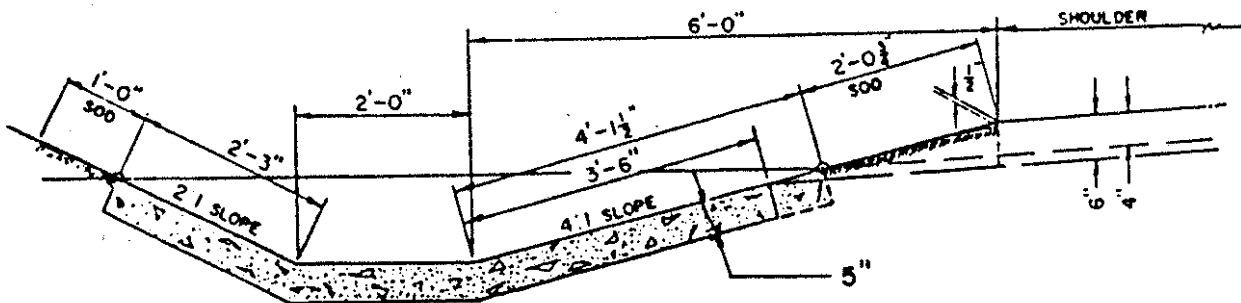


CONCRETE SIDE DITCH

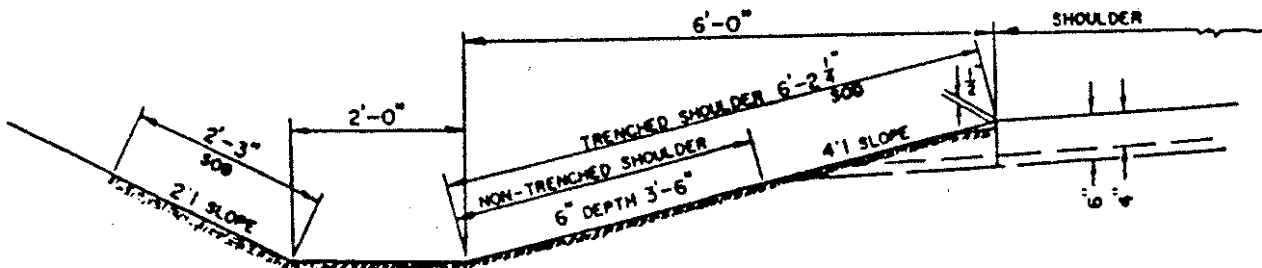


SOD SIDE DITCH

"A"



CONCRETE SIDE DITCH





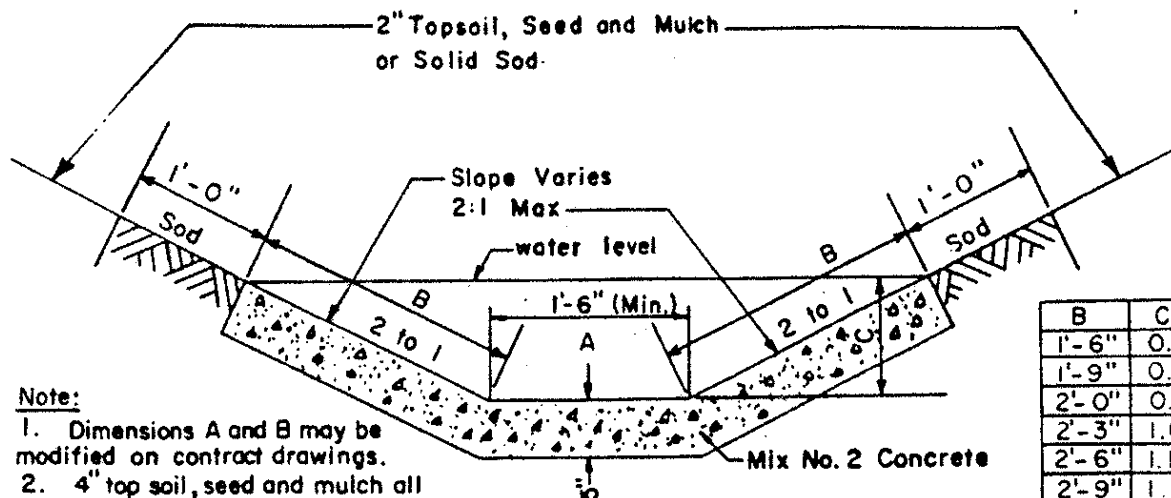
SOD SIDE DITCH

"B"

GENERAL NOTES

1. INSTALL TOE WALL AT UPSTREAM & DOWNSTREAM TERMINUS OF CONCRETE DITCH, FOR DETAIL SEE STANDARD EC/1 FOR CONSTRUCTION DETAILS FOR CONCRETE DITCHES SEE STANDARDS EC/2 & EC/3.
2. WHEN DITCHES ARE CONSTRUCTED OTHER THAN WHAT IS SHOWN, THE ELEVATIONS WILL BE NOTED ON THE PLANS.
3. CONCRETE SHALL BE MIX NO. 2.

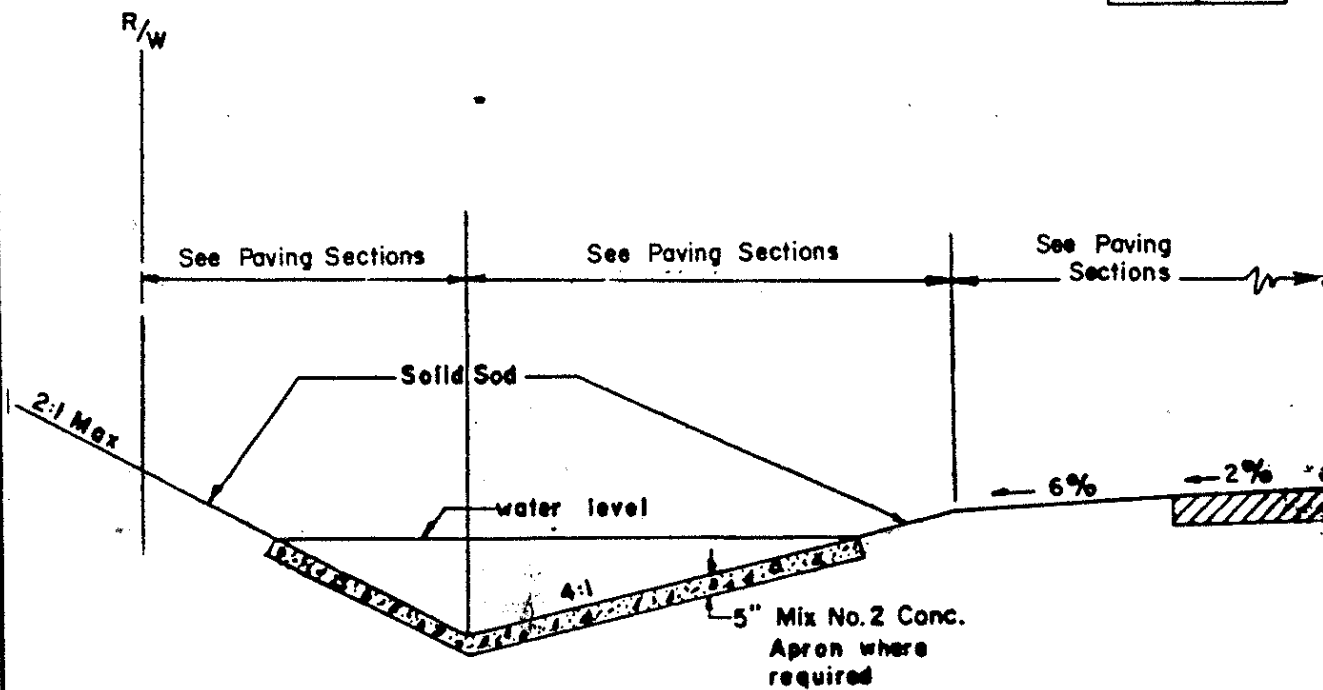
ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS	APPROVED  CHIEF ENGINEER	STANDARD EROSION CONTROL DETAILS STANDARD SIDE DITCHES CUT AREAS	REVISED	EC	
	 DESIGN ENGINEER				7
	5/7/88 DATE				



Note:
 1. Dimensions A and B may be modified on contract drawings.
 2. 4" top soil, seed and mulch all construction slopes not sodded.

B	C
1'-6"	0.67'
1'-9"	0.78'
2'-0"	0.89'
2'-3"	1.01'
2'-6"	1.12'
2'-9"	1.23'
3'-0"	1.34'
3'-3"	1.45'
3'-6"	1.57'
3'-9"	1.68'
4'-0"	1.79'

**FLAT BOTTOM
 SIDE DITCH SECTION
 (Concrete)**

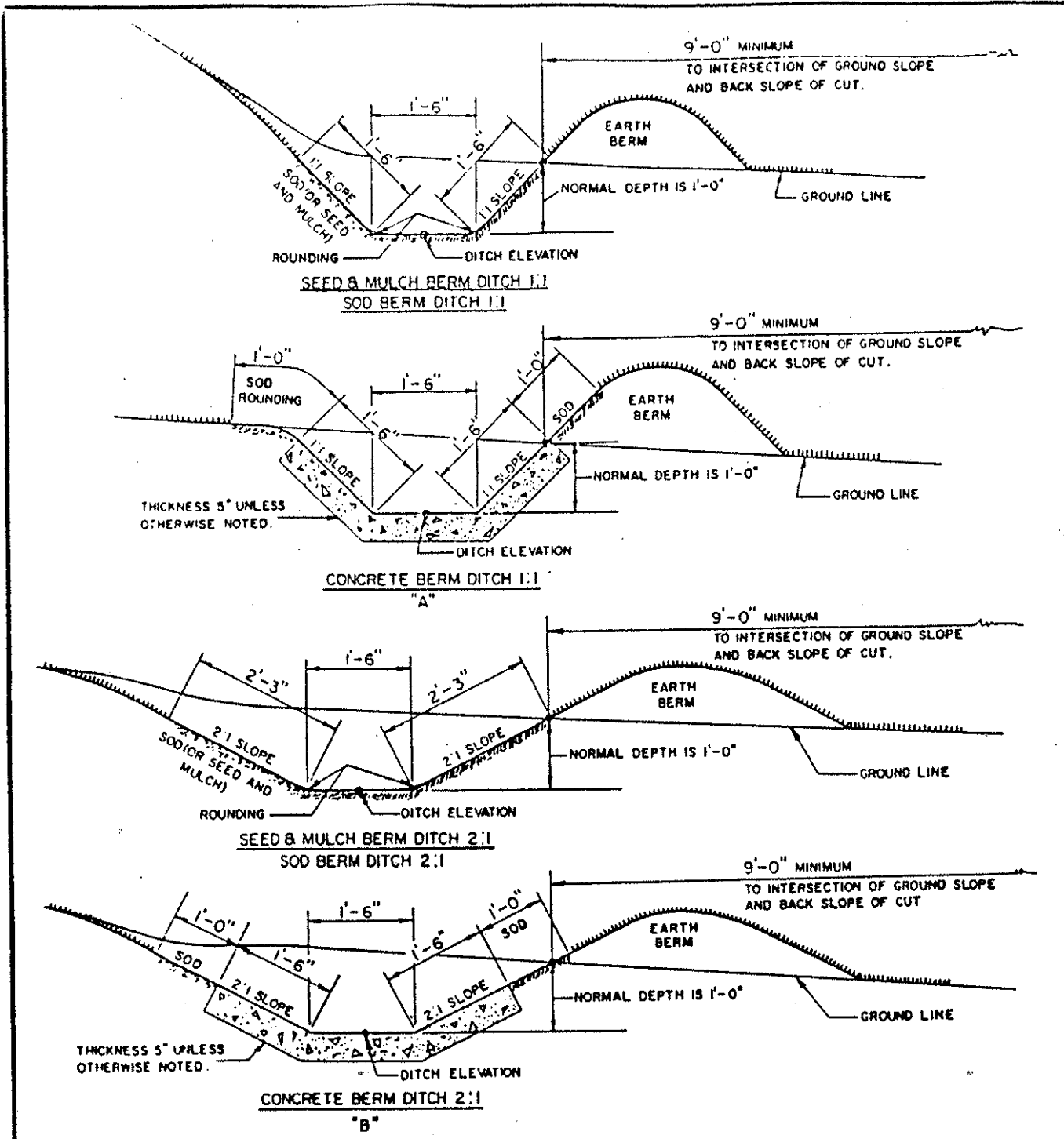


**SIDE DITCH SECTION FOR ARTERIAL ROAD, LOCAL ROAD, COLLECTOR ROAD OR
 CUL-DE-SAC ROAD**

GENERAL NOTES:

- FOR CONSTRUCTION DETAILS SEE STANDARDS $\frac{EC}{2}$ AND $\frac{EC}{3}$
- INSTALL TOE WALL AT UPSTREAM AND DOWNSTREAM TERMINUS OF DITCH FOR DETAIL SEE STANDARD $\frac{EC}{1}$

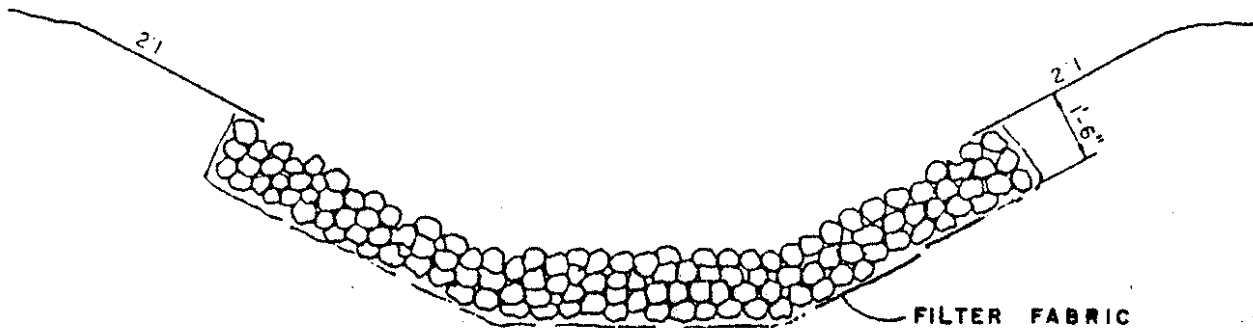
ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS	APPROVED <i>[Signature]</i> CHIEF ENGINEER	STANDARD EROSION CONTROL DETAILS PAVED DITCH SECTIONS	REVISED	$\frac{EC}{8}$
	DESIGN ENGINEER <i>[Signature]</i> DATE: 9/13/82			



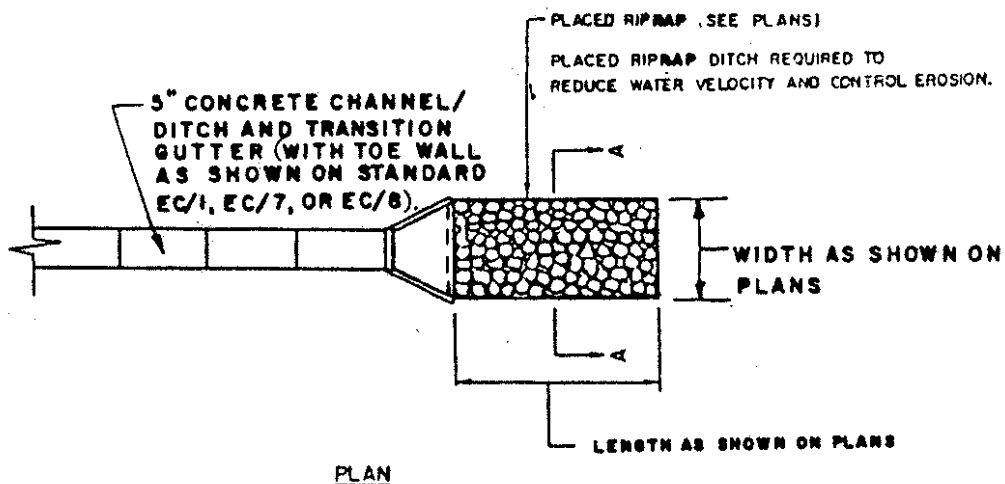
GENERAL NOTES

1. DITCH ELEVATIONS AS NOTED ON PLANS.
2. 2" TOP SOIL AND SEED & MULCH ALL CONSTRUCTION SLOPES NOT OTHERWISE TREATED.
3. WHERE DITCH LOCATION IS OTHER THAN SHOWN, DISTANCE FROM DITCH $\frac{1}{2}$ TO A REFERENCE POINT SHALL BE INDICATED ON THE PLANS.
4. EARTH BERM TO BE CONSTRUCTED FROM DITCH EXCAVATION AND COMPACTED AS DIRECTED BY THE ENGINEER. THIS WILL NOT BE A PAY ITEM.
5. CONCRETE SHALL BE MIX NO. 2.
6. FOR CONSTRUCTION DETAILS SEE STANDARDS EC/2 AND EC/3.
7. FOR TOE WALL DETAIL SEE STANDARD EC/1.

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS	APPROVED CHIEF ENGINEER	STANDARD EROSION CONTROL DETAILS STANDARD BERM DITCHES	REVISED	EC 9
	DESIGN ENGINEER DATE		_____	
	_____		_____	
	_____		_____	
	_____		_____	



SECTION A-A



ANNE ARUNDEL
COUNTY
DEPARTMENT OF
PUBLIC WORKS

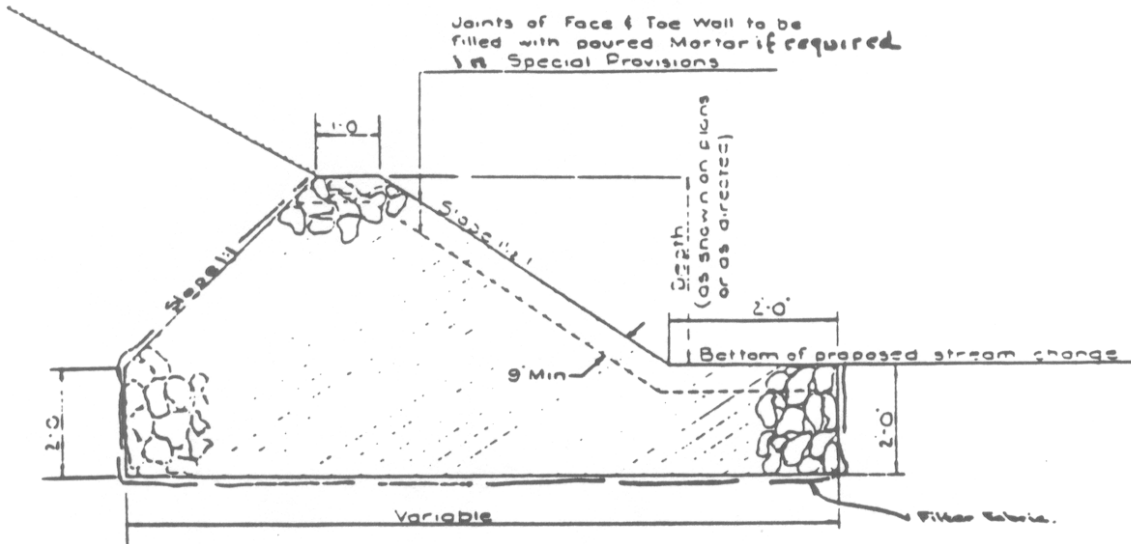
APPROVED
[Signature]
 CHIEF ENGINEER
 DESIGN ENGINEER
[Signature]
 DATE
 8/29/88

STANDARD
EROSION CONTROL DETAILS
SEDIMENT AND EROSION CONTROL
PLACED RIPRAP DITCH

REVISED	

EC
10

Piled Riprap shall be composed of rock or boulders obtained from excavation or other approved sources. The sizes shall conform generally to the Specifications for Rip-Rap, except that 25% of the pieces can be less than 9 in diameter. There is no top limit on the size of the stone or boulders.



ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS	APPROVED <i>[Signature]</i> CHIEF ENGINEER	STANDARD EROSION CONTROL DETAILS PILED RIPRAP DETAIL	REVISÉD	EC
	DESIGN ENGINEER 9/13/88 DATE			11