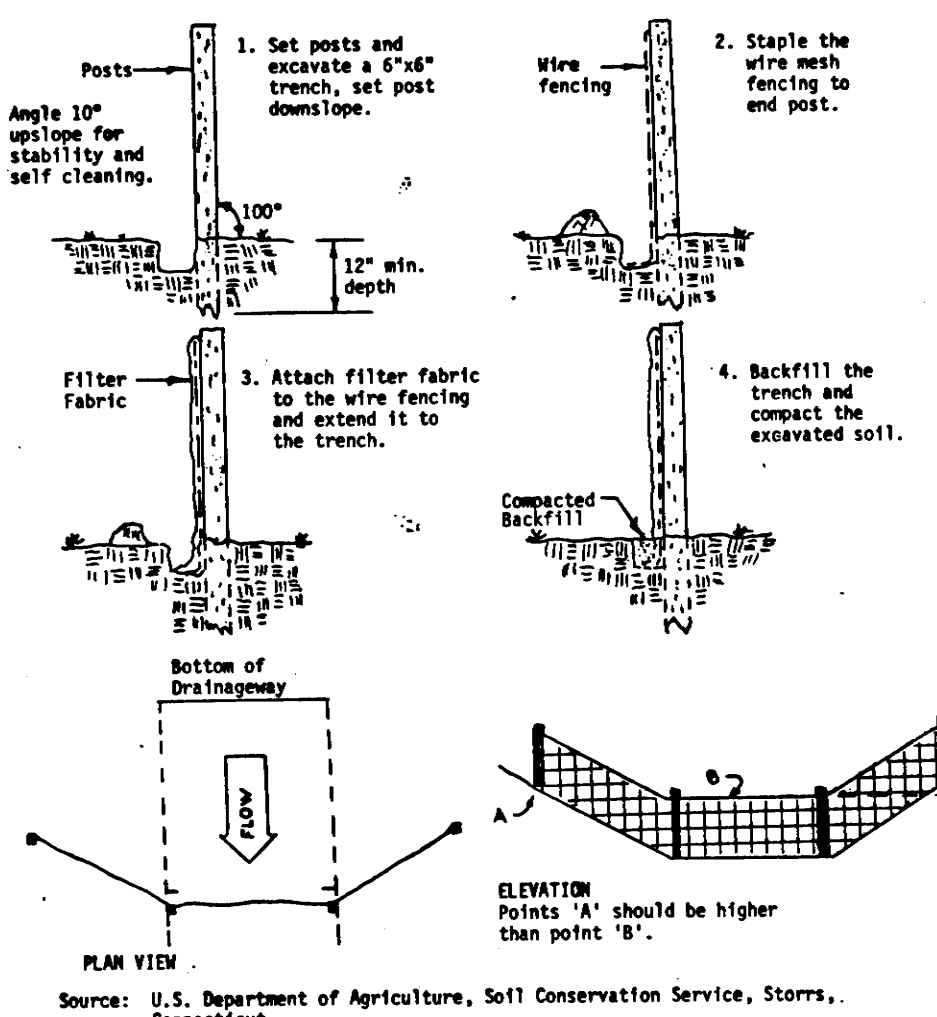
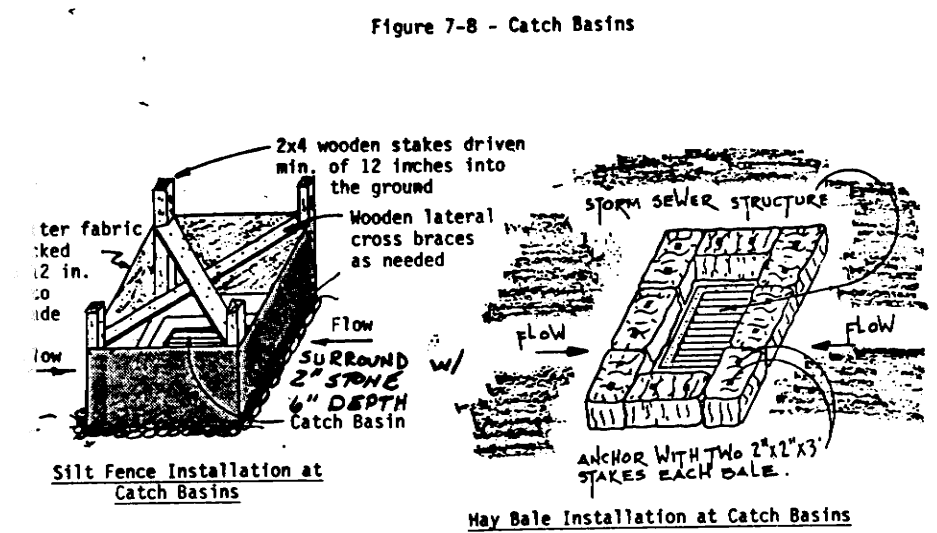


Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut.

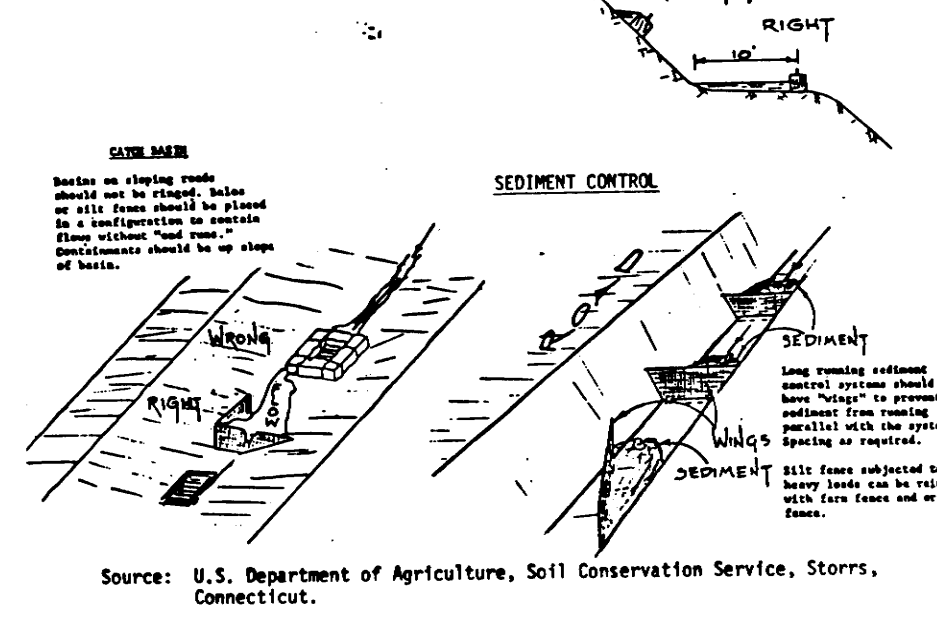
Figure 7-9 - Placement and Construction of a Synthetic Filter Barrier



Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut.



Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut.



Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut.

TEMPORARY SEEDING

TEMPORARY SEEDING SHALL BE USED FOR VEGETATING EXPOSED AREAS DURING THE ROAD CONSTRUCTION PERIOD OR AT THE END OF CONSTRUCTION. IF PROPER SEEDING DATES CANNOT BE MET FOR PERMANENT SEEDING.

SPECIES	RATE	NOTES
PERENNIAL OR ANNUAL HYDRASS	40 lb./AC.	COOL SEASON GERMINATION SPRING OR FALL SEED UP TO OCT. 1
WINTER RYE	120 lb./AC.	AGGRESSIVE FALL SEEDING SEED UP TO OCT. 15
BUCKWHEAT	15 lb./AC.	GOOD HOT SEASON GERMINATION FOR TEMPORARY SUMMER COVER

PERMANENT SEEDING

SEEDING DATES: AUGUST 15 THROUGH SEPT 15
APRIL 15 THROUGH JUNE 15

PREPARATION: MINIMUM LOAN DEPTH 4"
LINE-3TENS/AC OR PER SOIL TEST
FERTILIZER-500 lb/AC 10-10-10 EQUIVALENT
INCORPORATION AND RAKING TO PROVIDE SUITABLE SEEDBED.

PERMANENT SEED RATES-REFER TO SITE SPECIFIC SEED APPLICATIONS FROM FIGURE 6-2 AND FIGURE 6-3. GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL-COMM HANDBOOK.

Figure 6-2 - Permanent Seedings

KIND OF AREA	Mowing Desired	Mowing Not Required
BORROW AREAS, ROADSIDES, DITCHES, LEVEES, POOL BANKS AND OTHER SLOPES AND BANKS		
A) Well or excessively drained soils**	1,2,3,4,5 or 8	5,6,7,8,9,10,11,12,16 or 22
B) Somewhat poorly drained soils**	2	5 or 6
C) Variable drainage soils**	2	5,6, or 11
DRAINAGE DITCH AND CHANNEL BANKS		
A) Well or excessively drained soils**	1,2,3, or 4	9,10,11 or 12
B) Somewhat poorly drained soils**	2	
C) Variable drainage soils**	2	
DIVERSIONS		
A) Well or excessively drained soils**	2,3, or 4	9,10 or 11
B) Somewhat poorly drained soils**	2	
C) Variable drainage soils**	2	
EFFLUENT DISPOSAL		5 or 6
GRAVEL PITS		4,8,10,13,14,15 or 16
GULLIED AND ERODED AREAS		3,4,5,8,10,11 or 12
MINESPOIL & WASTE, AND OTHER SPOIL BANKS (If toxic substances & physical properties not limiting)		15,16,17 or 18
SHORELINES (Fluctuating water levels)		5 or 6
SKID SLOPES		4 or 10
SOD WATERWAYS AND SPILLWAYS	1,2,3,4,6 or 8	1,2,3,4,6,7 or 8
GENERAL RECREATION SEEDINGS		
PICNIC AND PLAYGROUNDS OR DRIVING AND ARCHERY RANGES, NATURE TRAILS (Not shaded)	1,2 or 23	
CAMPING AND PARKING, NATURE TRAILS (Shaded)	19,20,21 or 23	
SAND DUNES (Blowing sand)	24	
WOODLAND ACCESS ROADS, SKID TRAILS AND LOG YARDING AREAS		9,10,16 or 22
LAWNS AND HIGH MAINTENANCE AREAS	1,19,20, or 21	

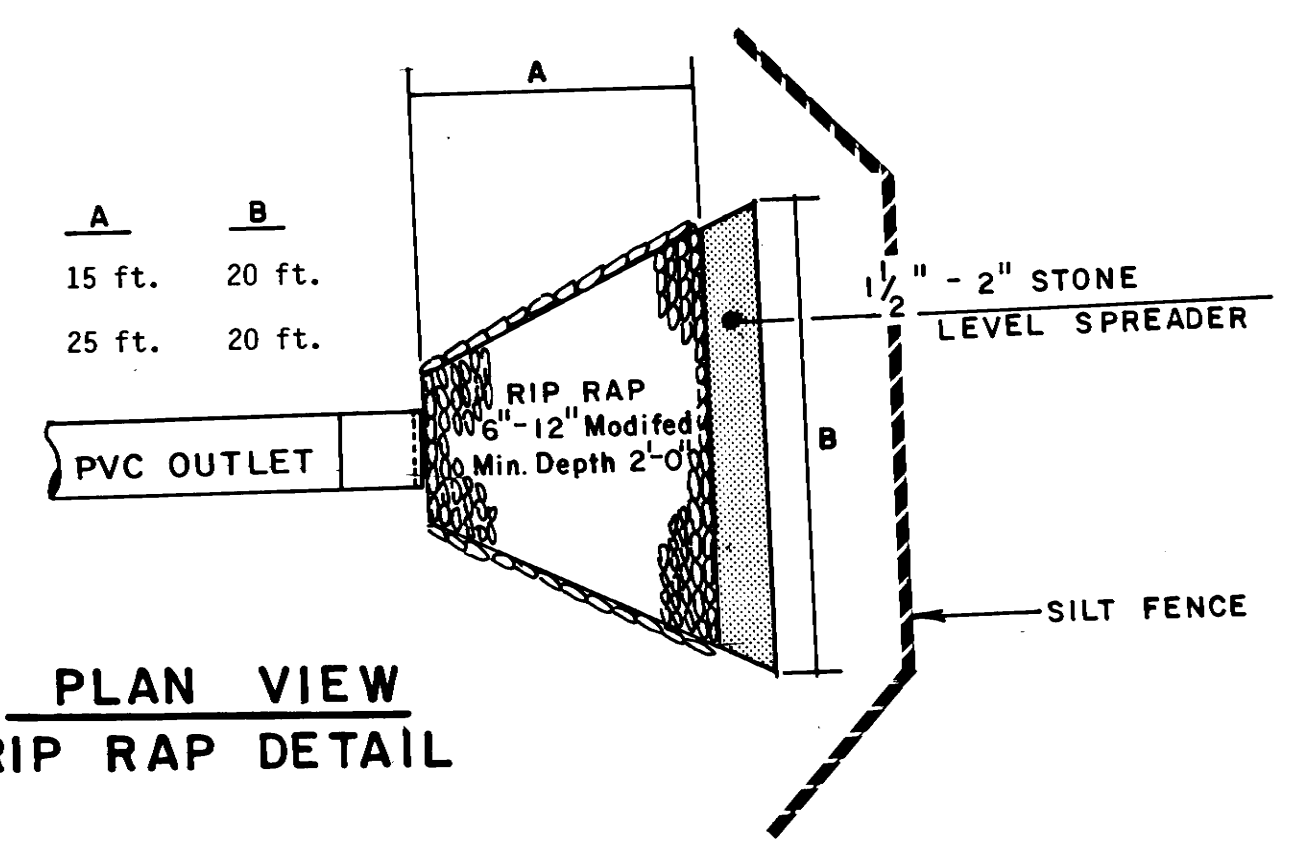
Figure 6-3 - Seed Mixtures for Permanent Seedings

No.	Seed Mixture	Lbs./Acre	Lbs./1,000 Sq. Ft.
1.	Kentucky Bluegrass	20	.45
	Creeping red fescue	20	.45
	Perennial ryegrass	5	.10
	Total	45	1.00
2.	Creeping red fescue	20	.45
	Redtop	2	.05
	Tall fescue or Smooth brome	2	.05
	Total	42	.95
3.	Creeping red fescue	20	.45
	Bird's-foot trefoil with inoculant 1/	8	.20
	Tall fescue or Smooth brome	20	.45
	Total	48	1.10
4.	Creeping red fescue or Tall fescue	20	.45
	Redtop	2	.05
	Bird's-foot trefoil with inoculant 1/	8	.20
	Total	30	.70
5.	Reed canarygrass	20	.45
	Redtop	5	.10
	Total	25	.55
6.	Reed canarygrass	15	.35
	Redtop	5	.10
	Bird's-foot trefoil with inoculant 1/	10	.25
	Total	30	.70
7.	Smooth brome	15	.35
	Perennial ryegrass	5	.10
	Bird's-foot trefoil with inoculant 1/	10	.25
	Total	30	.70
8.	Switchgrass	10 (PLS)	.25
	Weeping lovegrass	3	.07
	Little bluestem	10 (PLS)	.25
	Total	23	.57
9.	Creeping red fescue	10	.25
	Crown vetch or	18	.35
	Flat pea with inoculant 1/	30	.75
	Tall fescue or Smooth brome	15	.35
	Redtop	2	.05
	Total	42	1.00

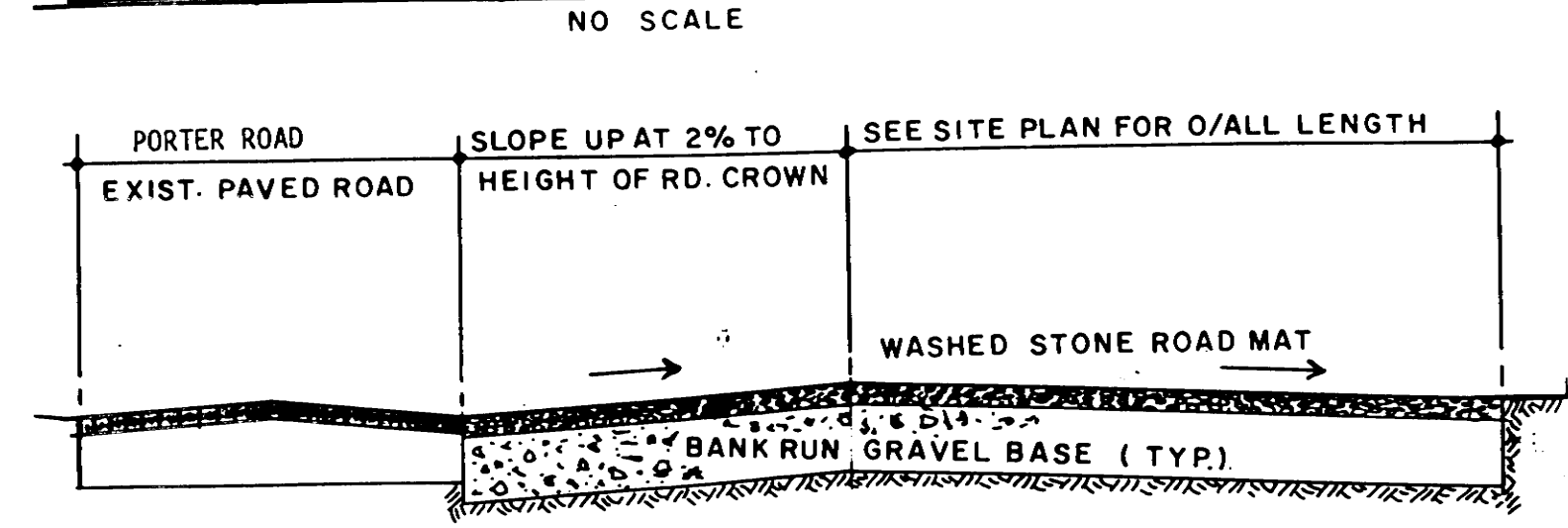
DETENTION AREA NO. 1
DETENTION AREA NO. 2

A 15 ft.
B 20 ft.
A 25 ft.
B 20 ft.

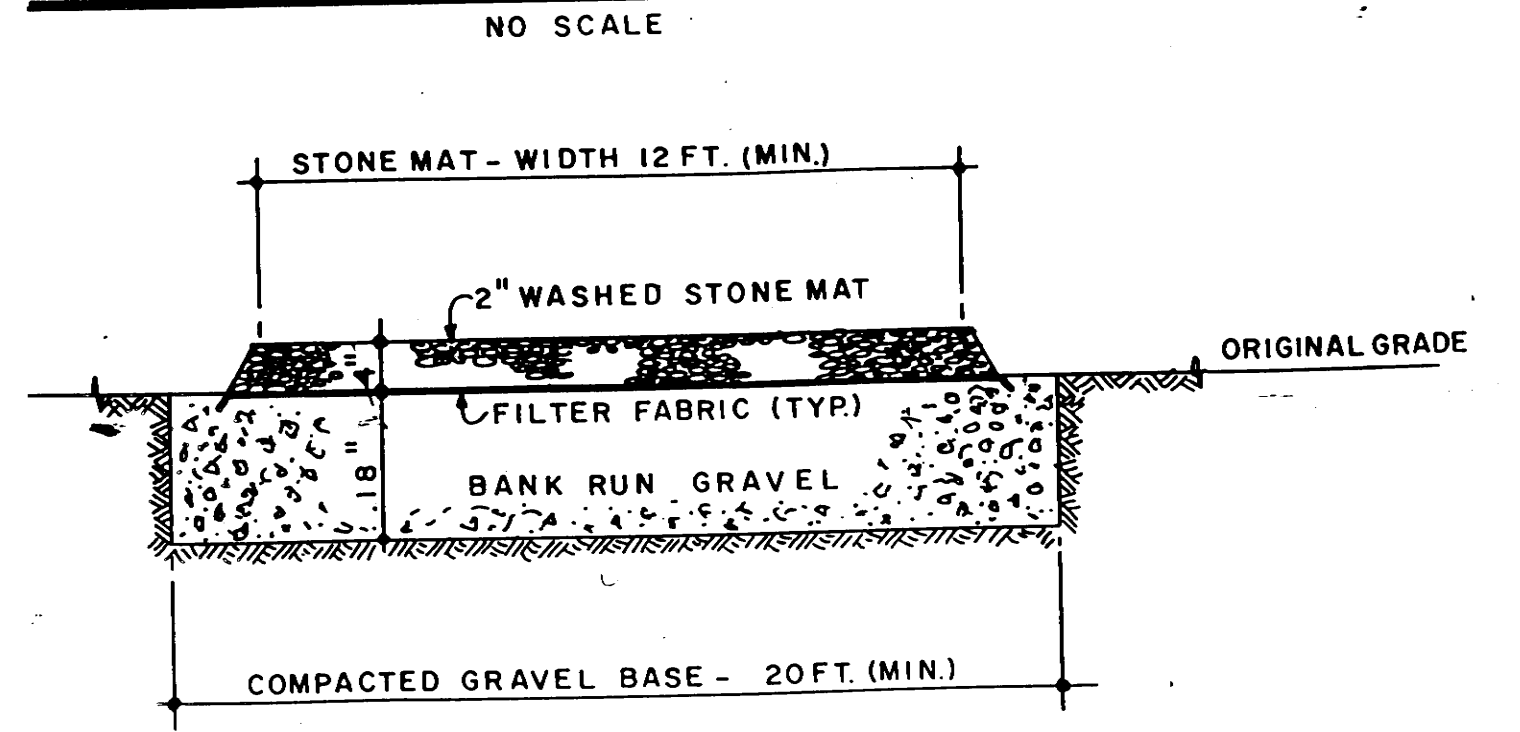
PLAN VIEW
RIP RAP DETAIL



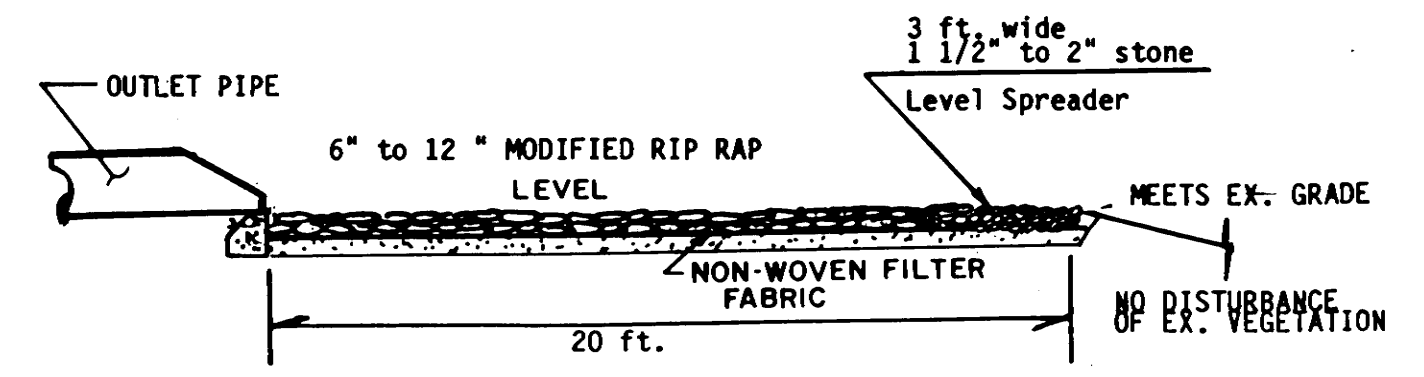
CONSTRUCTION ENTRANCE CROSS SECTION



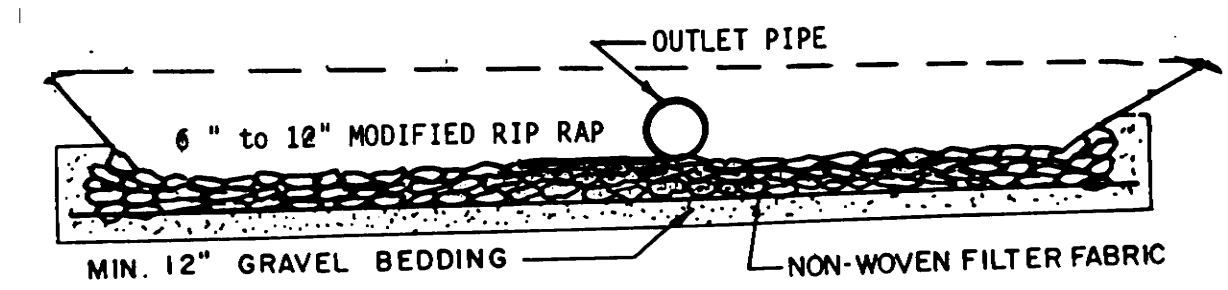
CONSTRUCTION ENTRANCE DETAIL



SIDE VIEW
RIP RAP DETAIL



END VIEW
RIP RAP DETAIL



GENERAL:

THE PROPOSED SUBDIVISION INVOLVES THE CONSTRUCTION OF 2,200 LIN. FT. OF ROADWAY, UTILITIES, STORM DRAINAGE, TWO (2) DETENTION BASINS, AND 17 HOUSES. A PORTION OF THE ROADWORK, DETENTION BASINS, AND 10 HOME SITES ARE WITHIN THE 100 FT. BUFFER ZONE OF A REGULATED VEGETATED WETLANDS AND ARE SUBJECT TO THE NOTICE OF INTENT AND ORDER OF CONDITIONS UNDER THE WETLANDS PROTECTION ACT.

THE SITE IS GENTLY SLOPING AND MOSTLY WOODED IN ITS CURRENT CONDITION. EROSION CONTROLS ARE PLANNED FOR CONSTRUCTION ACTIVITY, AN UNDISTURBED BUFFER OF NATURAL VEGETATION IS PLANNED IN SENSITIVE AREAS ADJACENT TO THE WETLANDS. PERMANENT REVEGETATION IS PLANNED FOLLOWING CONSTRUCTION.

SCHEDULE:

ROAD CONSTRUCTION INCLUDING UTILITIES WILL COMMENCE IN THE SPRING/SUMMER OF 1996 AND BE SUBSTANTIALLY COMPLETE BY THE FALL OF THE SAME YEAR. PERMANENT SEEDING SHALL BE COMPLETED WHERE POSSIBLE AND TEMPORARY SEEDING PROVIDED ELSEWHERE. PERMANENT SEEDING SHALL FOLLOW AT THE NEXT APPROPRIATE SEEDING DATE.

HOME CONSTRUCTION WILL OCCUR OVER SEVERAL YEARS AND ALL LOTS SHALL BE PROVIDED WITH A MINIMUM OF SILT FENCE PROTECTION AND CONSTRUCTION ENTRANCE PRIOR TO EARTH MOVING ACTIVITY. HOMES WITHIN THE 100 FT. BUFFER ZONE SHALL BE PROVIDED WITH ADDITIONAL EROSION CONTROLS. PERMANENT REVEGETATION WILL BE PROVIDED IN ACCORDANCE WITH PLANS AND ORDER OF CONDITIONS.

ROADWAY AND UTILITIES:

PRIOR TO ANY EARTH WORK A CONSTRUCTION ENTRANCE AND SILT FENCE SHALL BE PLACED AND INSPECTED BY THE CONSERVATION COMMISSION AND ENVIRONMENTAL CONSULTANT.

LAND CLEARING MAY TAKE PLACE PRIOR TO OR CONCURRENT WITH SILT FENCE INSTALLATION. LAND CLEARING ACTIVITY SHALL BE PERFORMED IN A MANNER THAT AVOIDS RUTTING OR SOIL DISTURBANCE WITHIN THE 100 FT. BUFFER ZONE FROM ANY WETLAND AREA.

SOIL STOCKPILES SHALL BE PLACED OUTSIDE OF THE 100 FT. BUFFER ZONE AND PROTECTED WITH A SEDIMENT BARRIER ON THE DOWN SLOPE SIDE.

UTILITY TRENCHES SHALL BE BACKFILLED ON A DAILY BASIS.

DETENTION BASINS SHALL BE CONSTRUCTED AND INSPECTED BY THE ENVIRONMENTAL CONSULTANT PRIOR TO CONNECTING TO THE STORM DRAINAGE SYSTEM. THE BASINS SHALL BE COMPLETE WITH A MINIMUM OF THE FOLLOWING: CORRECT GRADING, OUTLET STRUCTURE, LOAMING AND SEEDING, TEMPORARY SILT TRAP, AND MULCHING OF BERMS.

STORM DRAINAGE SYSTEM SHALL BE CONSTRUCTED AND NOT ACTIVATED UNTIL ROADWAY IS GRAVELED AND STRUCTURES ARE PROTECTED WITH SEDIMENT CONTROL FENCING. ALL TRENCHES SHALL BE COVERED DAILY AND OPEN ENDS BLOCKED AT END OF DAY. CATCH BASIN INLETS ARE PREFERABLY LEFT HIGH OR CLOSED OFF WHERE POSSIBLE UNTIL PAVING. ROAD RUNOFF SHOULD BE DIVERTED TO NATURAL GRADE VEGETATED AREAS IN NON - SENSITIVE AREAS UNTIL PAVING IS IN PLACE.

WITHIN ONE MONTH OF COMPLETING STORM DRAINAGE SYSTEM THE GRADING WITHIN THE RIGHT - OF - WAY SHALL AT A MINIMUM BE ROUGH GRADED AND PROVIDED WITH A TEMPORARY SEEDING OR PROTECTIVE MULCH.

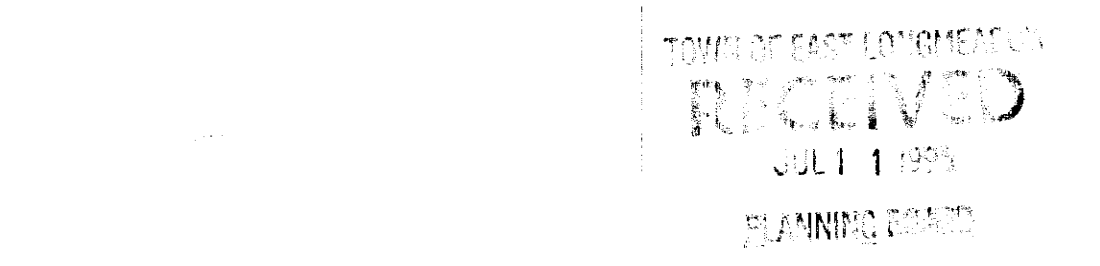
WITHIN ONE MONTH OF PAVING AND INSTALLING CURBING, THE FINAL GRADING, LOAMING AND SEEDING SHALL BE COMPLETE IN ACCORDANCE WITH SOIL CONSERVATION SERVICE STANDARDS. (SEE PLAN FOR SPECIFICATIONS) TEMPORARY SEEDING SHALL BE PROVIDED WITH MULCH AS NECESSARY IF PERMANENT SEEDING DATES CAN NOT BE MET. PERMANENT SEEDING SHALL FOLLOW TEMPORARY SEEDING AT THE NEXT SPECIFIED SEEDING DATE.

EROSION CONTROLS SHALL BE INSPECTED AT LEAST ONCE A MONTH AND FOLLOWING STORM EVENTS BY THE SITE CONTRACTOR. CATCH BASIN SUMPS SHALL BE MAINTAINED (SEDIMENT REMOVED WHEN SUMP IS 1/2 FULL). THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL CLEANING OF STORM DRAINAGE SYSTEM AND SEDIMENT TRAPS AT DETENTION BASINS.

HOME SITE CONSTRUCTION:

ALL HOME SITES SHALL BE PROVIDED WITH A MINIMUM OF A 30 FT. CONSTRUCTION ENTRANCE AND SILT FENCING ACCORDING TO PLANS PRIOR TO ANY EARTH WORK. EROSION CONTROLS ARE TO BE MAINTAINED IN ACCORDANCE WITH SOIL CONSERVATION SERVICE STANDARDS BY THE INDIVIDUAL BUILDER. SEDIMENT SHALL BE PREVENTED FROM ENTERING THE ROAD DRAINAGE SYSTEM. TEMPORARY SEEDING OR MULCHING SHALL BE PROVIDED WITHIN 2 WEEKS OF FINAL GRADING AND PERMANENT SEEDING AT THE FIRST APPROPRIATE SEEDING DATE. (SEE SPEC)

HOME SITES WITHIN THE 100 FT. BUFFER ZONE OF A WETLAND HAVE ADDITIONAL SITE SPECIFIC REQUIREMENTS ON THE SITE GRADING AND CONSERVATION PLAN. LOTS #4, #5, #6, #7, #8, #9, #10, #11, #13, AND #14 ARE SUBJECT TO THE WETLANDS NOTICE OF INTENT AND ORDER OF CONDITIONS. SHOWN ON THE CONSERVATION PLAN ARE SPECIFIC SILT FENCE LOCATION, LIMIT OF WORK, AND AN UNDISTURBED BUFFER BETWEEN THE SITE AND WETLAND RESOURCE AREA. HOME AND DRIVEWAY LOCATIONS ARE SHOWN AS FOOTPRINTS AND MAY BE ADJUSTED AS LONG AS THE LIMIT OF WORK LINE IS NOT ALTERED. HOME ELEVATIONS AND GRADING MAY BE ADJUSTED AS LONG AS THE LIMIT OF WORK LINE IS NOT ALTERED. TEMPORARY AND PERMANENT SEEDING REQUIREMENTS APPLY. (SEE SEEDING SPECIFICATIONS). EROSION CONTROLS SHALL BE MAINTAINED OR MODIFIED AS NECESSARY TO PREVENT SILTATION INTO THE BUFFER ZONE OR WETLANDS UNTIL PERMANENT VEGETATIVE COVER IS ESTABLISHED.



EAST LONGMEADOW PLANNING BOARD

THE APPROVAL HAS NOT BEEN MODIFIED, AMENDED OR RESCINDED NOR THE PLAN CHANGED

DATE: 7/13/96

CHAIRPERSON: [Signature]

WARD ENGINEERING ASSOCIATES, INC.
CONSULTING ENGINEERS

ORCHARD VIEW ACRES
EAST LONGMEADOW MASSACHUSETTS

OWNER: GJR CONSTRUCTION
P.O. BOX 998
EAST LONGMEADOW, MASSACHUSETTS

CONTRACT NO. _____

SCALE _____

SHEET NO. 14 OF 14