



WHEN FLARED END IS NOT IN SWALE, MATTE SHALL EXTEND 24" ON EMBANKMENT AND 24" BEYOND WIDTH OF FLARED FOR FULL WIDTH.

1. THE RIP - RAP SHALL BE COMPRISED OF DURABLE ANGULAR STONE WHICH MEETS THE FOLLOWING GRADUATION REQUIREMENTS :

2. THE RIP - RAP SHALL BE UNDERLAYED WITH FILTER BLANKET CONSISTING OF CLEAN COARSE GRAVEL WITH NO STONES OVER 3" AND FEWER THAN 10 % PASSING A #200 SIEVE.
3. THE FILTER BLANKET SHALL BE GRADED TO A UNIFORMED SURFACE WITH A MINIMUM THICKNESS OF 12".

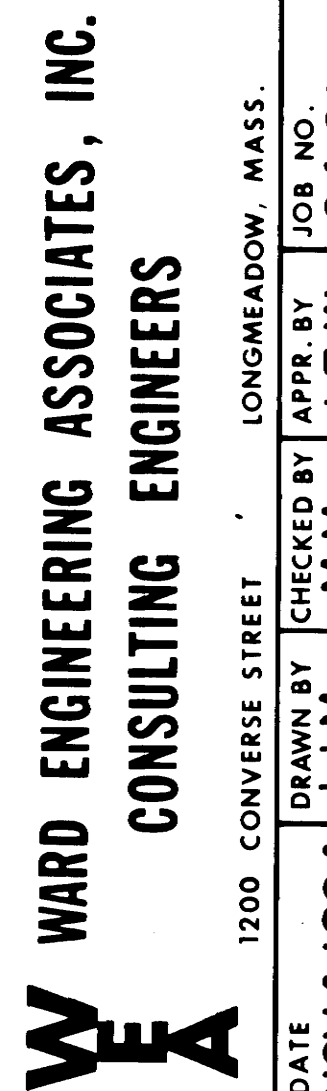
Diagram illustrating the structure and components of a spillway:

- TOP OF BERM**: The upper edge of the spillway structure.
- 2:1 SLOPE**: The slope of the top berm.
- BOTTOM OF BERM**: The lower edge of the spillway structure.
- OUTLET PIPE**: The pipe through which water flows from the spillway.
- FLARED END**: The expanded end of the outlet pipe.
- EMERGENCY SPILLWAY**: The side channel or structure for emergency overflow.
- 4:1 SLOPE (MAX.)**: The maximum slope of the side channel.

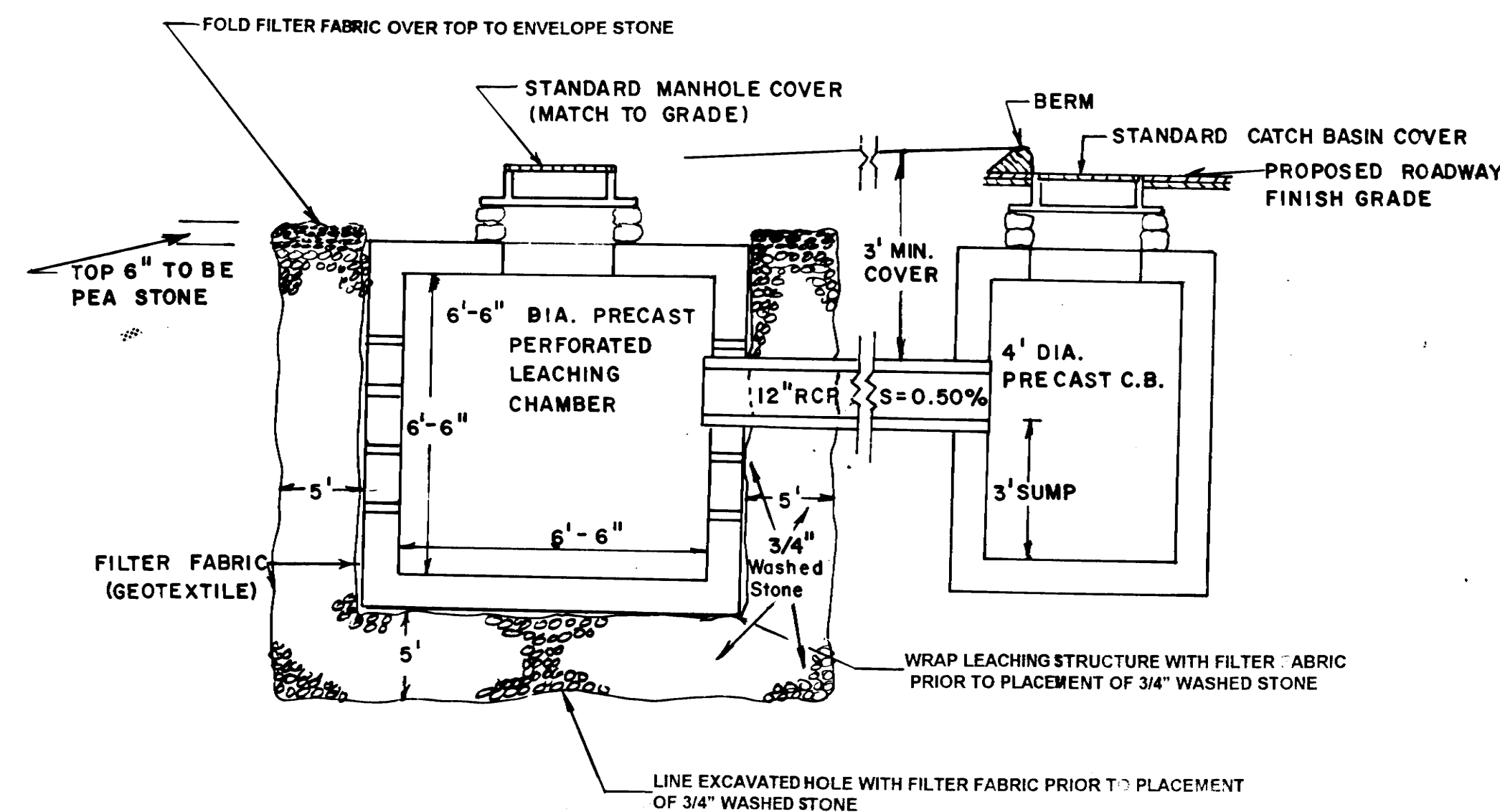
BERM TO BE CONSTRUCTED OF S UITABLE EARTH FILL TO DETAIN WATER AND PREVENT WATER PASSAGE THROUGH BERM.



DETENTION POND DETAIL
N.T.S.

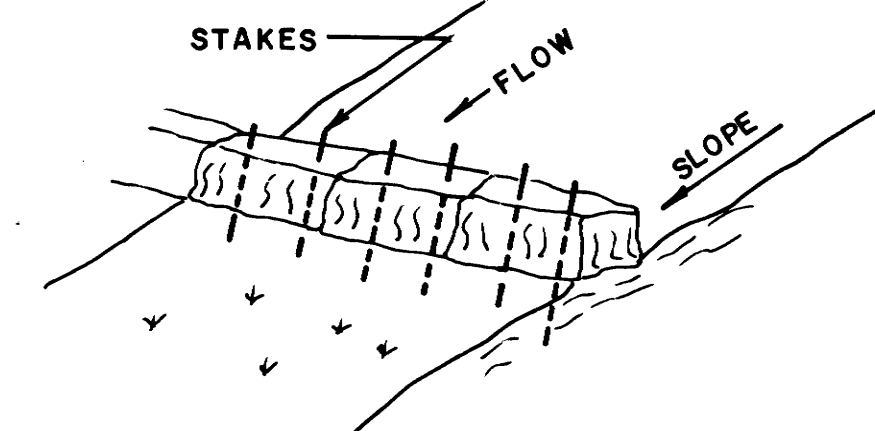


DETENTION AREA NO. 2
INLET ELEVATION : 270.00
OUTLET ELEVATION : 269.80
~~40 ft. of 12 in. PVC / S = 0.50%~~ 40 ft. of 12 in. PVC/s = 0.5%
AREA : 14,400 S.F. (MEASURED 1 FT. ABOVE BOTTOM)



EROSION CONTROL NOTES

1. PRIOR TO EXCAVATION, GRADING OR STORM DRAINAGE INSTALLATION PLACE SILT BARRIER IN ACCORDANCE WITH PLAN. MAINTAIN SILT BARRIER THROUGH CONSTRUCTION AS NECESSARY TO PROTECT SENSITIVE AREAS. CONSTRUCT AND MAINTAIN A CONSTRUCTION ENTRANCE TRACKING MAT AT THE BEGINNING OF THE PROPOSED ROADWAY.
2. STORM DRAINAGE SYSTEM SHALL BE INSTALLED BY BEGINNING AT THE DOWNSTREAM ENDS AND WORKING UPSTREAM. DETENTION BASINS SHALL BE CONSTRUCTED FIRST TO PROVIDE FOR AN OUTLET FOR DRAINAGE AND TO PROVIDE A SEDIMENT BASIN DURING CONSTRUCTION.
3. FILL AREAS OR CUT SLOPES SHALL BE COMPLETED AS SOON AS PRACTICAL. WEEDING AND SEEDING, TEMPORARY OR FINAL SEEDING SHALL CONFORM TO THE PLANTING SCHEDULE AND SOIL CONSERVATION GUIDELINES.
4. PERMANENT VEGETATIVE COVER (MOWING AND SEEDING) SHALL BE PROVIDED WITHIN 30 DAYS OF COMPLETION OF ROAD BASE COAT PAVING. IF SEEDING DATES CAN NOT BE MET, A TEMPORARY SEEDING OR A PROTECTIVE MULCH SHALL BE PROVIDED UNTIL A PERMANENT SEEDING IS PROVIDED. MAINTAIN EROSION CONTROLS UNTIL PERMANENT SEEDING IS WELL ESTABLISHED.



A cross-sectional diagram of a slope stabilization technique. A grid-like **SUPPORTING FENCE OR MESH** is shown on a **SLOPE**. The mesh is held in place by **ANCHOR FABRIC IN 6" TRENCH** at its base. A **FILTER FABRIC** is positioned between the mesh and the slope. The area behind the mesh is labeled **PROTECTED AREA**, and the area in front is labeled **UNDISTURBED GROUP**. The diagram illustrates how the mesh and filter fabric work together to stabilize the soil and prevent erosion.

TYPICAL SEDIMENT BARRIER DETAILS

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

DATE: _____

CHAIRPERSON

1

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

CONTRACT NO.

SCALE

SHEET NO.
13 OF 14