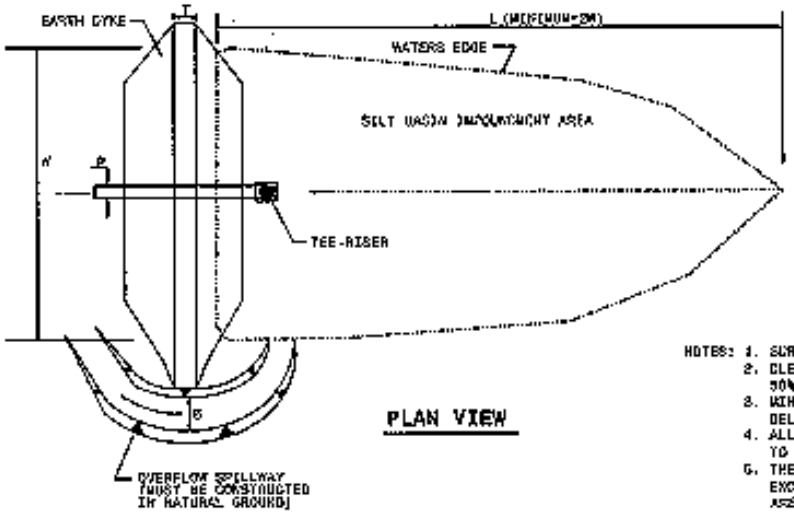

PLAN VIEW

NOTES: 1. SURFACE AREA AND VOLUME ARE TO BE SITE SPECIFIC.
2. CLEAN OUT SEDIMENT WHEN STORAGE VOLUME REACHES 50% OF MIN. STORAGE VOLUME.
3. MINIMUM SURFACE AREA AND MINIMUM VOLUME ARE MEASURED BELOW THE TOP OF PRINCIPLE SPILLWAY (TOP OF RISER).
4. ALL DIMENSIONS OF BASIN WILL NOT REQUIRE CONSTRUCTION TO HEAT LINES.
5. THE EARTH DYKE MAY BE CONSTRUCTED ALONG ONE OR MORE SIDES. EXCAVATION MAY BE REQUIRED TO PROVIDE MINIMUM SURFACE AREA AND/OR MINIMUM STORAGE VOLUME.
6. THE DYKE SHALL BE CONSTRUCTED OF MATERIAL SUITABLE FOR AND MEETING ROADWAY EMBANKMENT SPECIFICATIONS.
7. TO FACILITATE DETERMINATION OF MAINTENANCE CLEANOUT REQUIREMENT A MARKER SHOULD BE PLACED IN THE BASIN INDICATING THE 50% VOLUME LEVEL.

BASIN #	APPROX. STA.	P (in.)	H (ft.)	T (min) (ft.)	D* (ft.)	E (ft.)	F (ft.)	B (min) (ft.)	X (min) (ft.)	Y (min) (ft.)	X_1 (min) (ft.)	Y_1 (min) (ft.)	SURFACE AREA (min) ($ft.^2$)	STORAGE VOLUME (min) ($Yd.^3$)

* SHALL NOT EXCEED 12'

HYDRAULICS ENGINEER

P.E.

SIGNATURE

SHEET 1 OF 2

SPECIAL DETAIL FOR TYPE "A" SILT BASIN

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
RALEIGH, N.C.

APPENDIX K