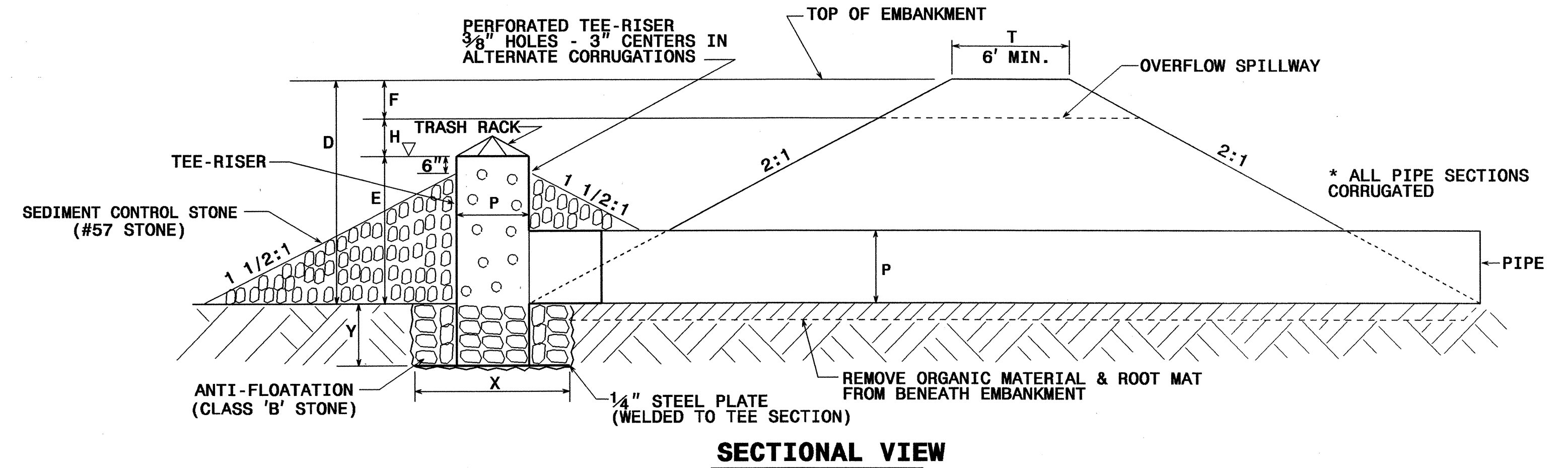
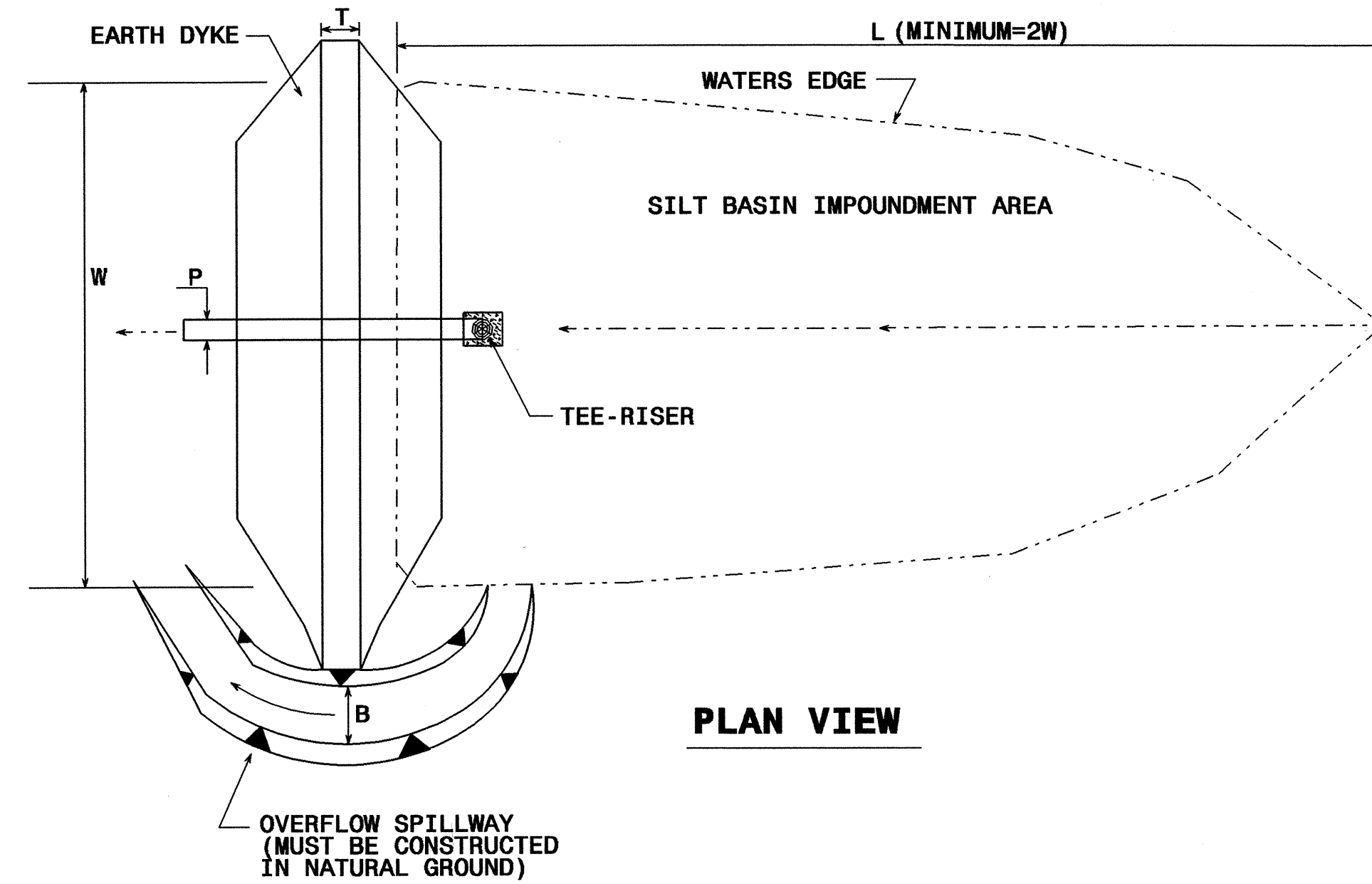
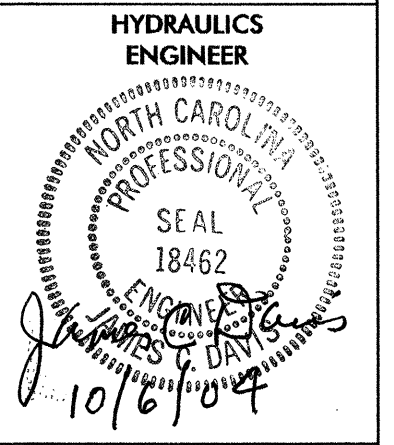


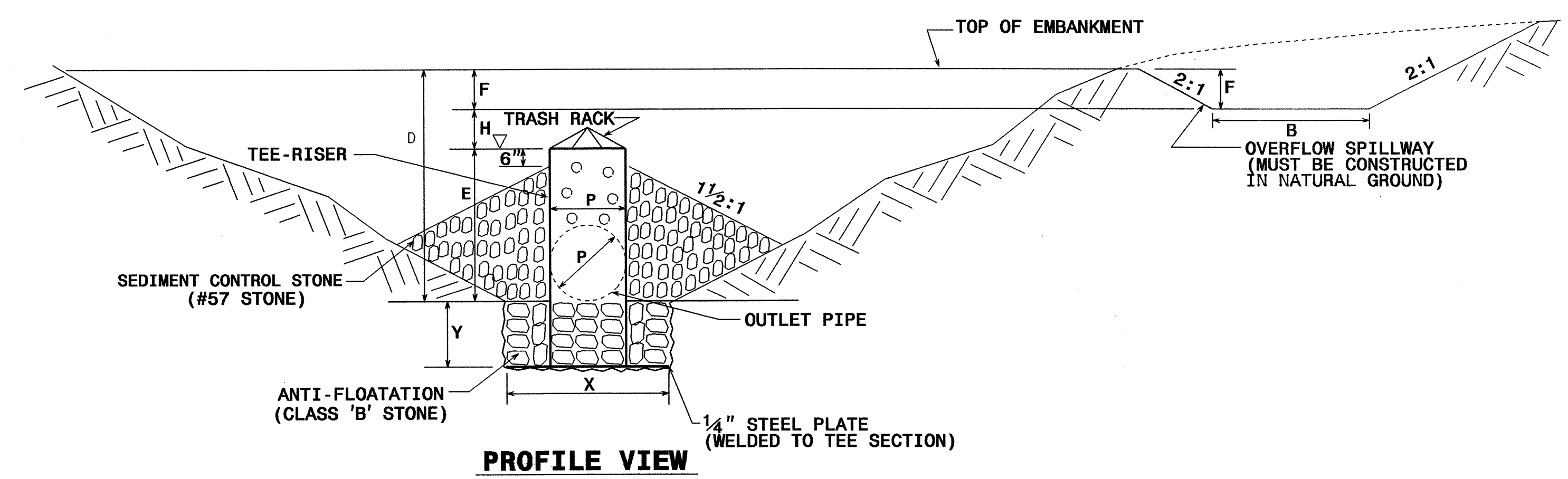
# SPECIAL DETAIL FOR TYPE "A" SILT BASIN

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

PROJECT REFERENCE NO. R-2911D	SHEET NO. 2-H
RW SHEET NO.	



- 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 NEAT 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 ft. (min)	D* ft.	E ft.	F ft.	B ft. (min)	X ft. (min)	Y ft. (min)	X <sub>1</sub> ft. (min)	Y <sub>1</sub> ft. (min)	SURFACE AREA ft. <sup>2</sup> (min)	STORAGE VOLUME Yd. <sup>3</sup> (min)	ANTI-FLOTATION (CLASS B) STONE TON
1	248+00	18	1.0	6.0	7.0	4.5	1.5	3.0	3.5	1.0	3.5	1.0	2,485	8,000	0.7

\* SHALL NOT EXCEED 12'

