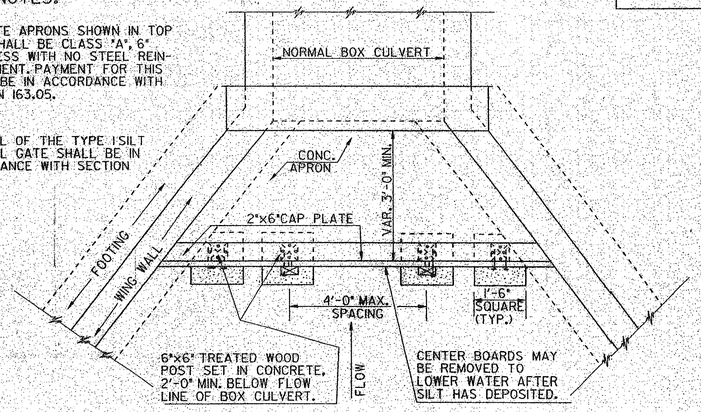
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M000-00 (459)	72	80

USES: A silt control gate is a structure placed on a pipe, small box culvert, or drop inlet to form a basin to catch silt and prevent it from leaving the construction site.

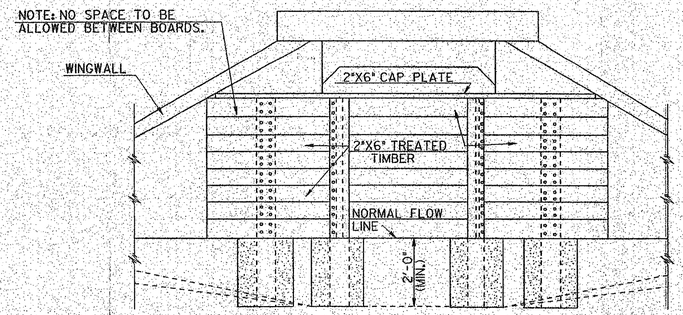
TYPE 1 - FOR BOX CULVERTS

NOTES:

1. CONCRETE APRONS SHOWN IN TOP VIEW SHALL BE CLASS "A", 6" THICKNESS WITH NO STEEL REINFORCEMENT. PAYMENT FOR THIS SHALL BE IN ACCORDANCE WITH SECTION 163.05.
2. REMOVAL OF THE TYPE I SILT CONTROL GATE SHALL BE IN ACCORDANCE WITH SECTION 163.03.

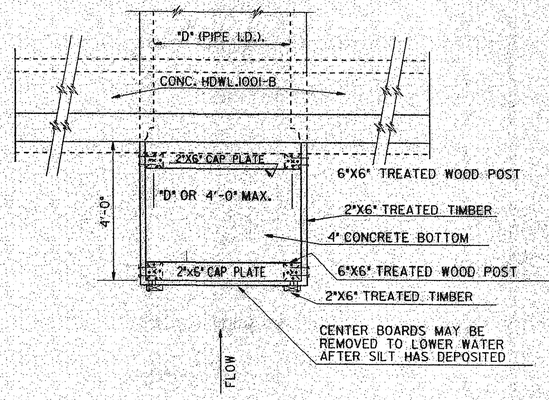


TOP VIEW



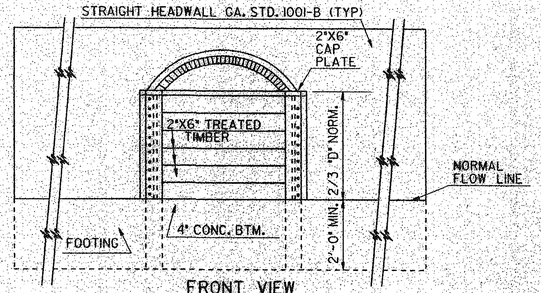
FRONT VIEW

TYPE 2 - FOR STRAIGHT HEADWALLS



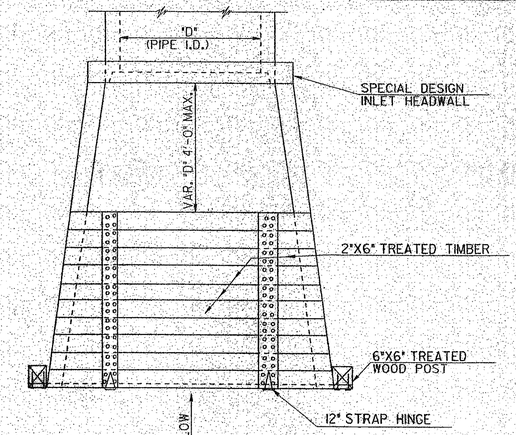
TOP VIEW

NOTE: NO SPACE TO BE ALLOWED BETWEEN BOARDS

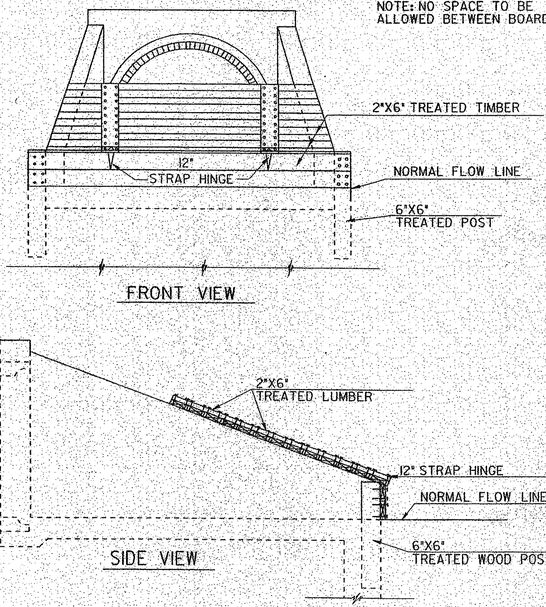


FRONT VIEW

TYPE 3 - FOR FLARED END SECTIONS AND TAPERED HEADWALLS



TOP VIEW



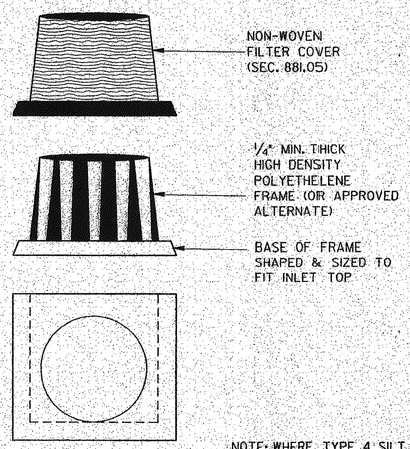
FRONT VIEW

SIDE VIEW

TYPE 4 - FOR DROP INLETS

NOTE: TYPE 4 ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.

(PLASTIC ALTERNATE)



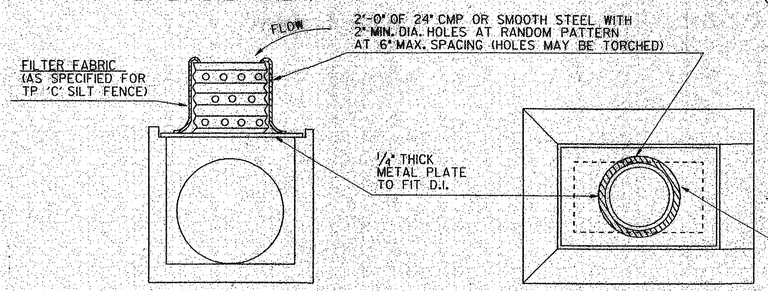
SIDE VIEW

TYPICAL CONSTRUCTION SEQUENCE FOR TYPE 4 ALTERNATE

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

NOTE: WHERE TYPE 4 SILT CONTROL GATES ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

(METAL ALTERNATE)



SIDE VIEW

TOP VIEW

NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

NOTE: TYPE-4 SILT GATE AND INLET TO BE BUILT CONTINUOUS WITH PIPE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
SILT CONTROL GATES
FOR STRUCTURES
TYPE- 1, 2, 3, 4

REV. & REDR. DEC., 2000

BY	REVISION	DATE
Designed		
Drawn		
Traced		
Checked 8-12		

D-20

2/27/01 11:18:55 AM \\GDOT-DSN1\GOFLOT\GCF\ge-0855-mylar\gcf_dgn\kd.m\Dave\wcf\ng\D-20.prt GO-RD6