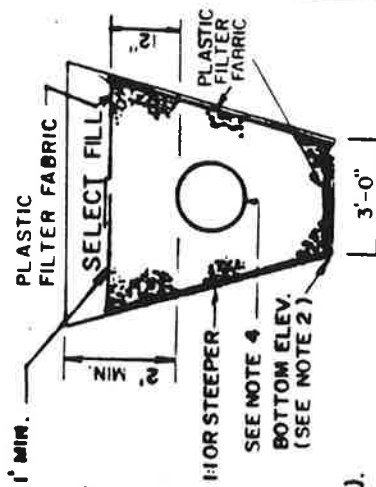


TRANSVERSE SECTION

LONGITUDINAL SECTION



ALL TRANS. SECTION

MAY BE USED IN AREAS WHERE TRENCH WALLS WILL NOT STAND VERTICAL, OR WHERE CAVE IN BELOW THE WATER TABLE IS LIKELY TO OCCUR. TO BE USED AT THE ENGINEER'S DISCRETION.

- NOTES:**
1. PLASTIC FILTER FABRIC (AT EA. SIDE, TOP AND BOTTOM) SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
 2. THE BOTTOM OF THE EXFILTRATION TRENCH SHALL BE 15'-0" BELOW EXISTING GROUND ELEVATION, UNLESS FIELD CONDITIONS WARRANT OTHERWISE.
 3. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH BE COMPLETED IN ACCORDANCE WITH THE DETAILS.
 4. INVERT ELEVATION TO BE AS SHOWN IN W.C. 2.2 (AVG. OCTOBER GROUND WATER LEVEL).

NOTE: IF THIS DETAIL IS TO BE USED FOR PRETREATMENT OF STORMWATER RUN-OFF, THE INVERT OF PIPE TO BE AS SHOWN IN W.C. 2.2; IF PRETREATMENT HAS BEEN PROVIDED THRU OTHER MEANS THE INVERT OF PIPE CAN BE LOWER THAN SHOWN IN W.C. 2.2.

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED	REVISED
5/5/86	5/21/81
	6/4/86
	7/7/88
	3/12/90

STANDARD STORM DRAINAGE DETAIL
EXFILTRATION TRENCH

DRAINAGE PIPE	SEC. 320	SPFC
EXFILTRATION TRENCH	SEC. 360	REF.
DESIGN WATER TABLE	DES. MAN.	
BALLAST ROCK	SEC. D4	
PV. MT. RESTORATION	R-21.1	
ITEM	CROSS REF.	

SD

541123

GENERAL NOTES FOR PIPE CULVERTS

THE CONTRACTOR HAS THE OPTION OF
INSTALLING THE FOLLOWING PIPE TYPES:

- A. CONCRETE - SLOTTED PIPE
- B. CORRUGATED STEEL PIPE - BIT COATED BOTH SIDES PERF (SEE TABLE BELOW)
- C. CORRUGATED ALUMINUM - (PERFORATED, SEE TABLE BELOW)
- D. CORRUGATED METAL - SMOOTH-LINED PIPE

CORRUGATED STEEL & ALUMINUM PIPE CULVERTS			
PIPE DIAM. (inches)	CONVENTIONAL CMP Approx. No. of $\frac{3}{8}$ " Dia. Holes * (PER LIN. FT. OF PIPE)	SMOOTH LINED	
		OUTER SHELL	LINER
		No of $\frac{3}{8}$ " Dia. Holes (PER LIN. FT. OF PIPE)	No of $\frac{5}{16}$ " Dia. Holes (PER LIN. FT. OF PIPE)
15	100	100	50
18	120	120	60
24	160	160	80
30	200	200	100
36	240	240	120
42	275	275	140
48	315	315	160
54	355	355	180
60	395	395	200
72	470	470	235
84	550	550	275

NOTE: PERFORATIONS SHALL BE UNIFORMLY SPACED
AROUND THE FULL PERIPHERY OF THE PIPE
TO WITHIN 4" OF EACH END OF EACH LENGTH
OF PIPE. THE NUMBER OF PERFORATIONS PER
LINEAR FOOT OF PIPE AND THE DIAMETER OF
THE PERFORATIONS SHALL BE AS SHOWN ON
THE ABOVE TABLE.

* $\frac{5}{16}$ INCH DIAMETER HOLES MAY BE UTILIZED IN LIEU OF THE $\frac{3}{8}$
INCH DIAMETER HOLES IF THE NUMBER OF HOLES IS INCREASED
TO PROVIDE AN EQUAL CROSS SECTIONAL HOLE AREA THE OTHER
REQUIREMENTS REMAIN THE SAME

EXFILTRATION TRENCH		SEC 360
ITEM	CROSS REF	SPEC REF

METROPOLITAN DADE COUNTY PUBLIC WORKS DEPARTMENT	APPROVED <u>5/21/81</u>	REVISED <u>6/4/86</u>	STANDARD STORM DRAINAGE DETAIL EXFILTRATION TRENCH (PIPE CULVERT NOTES)	SD 1.1 SHEET 2 OF 3
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