

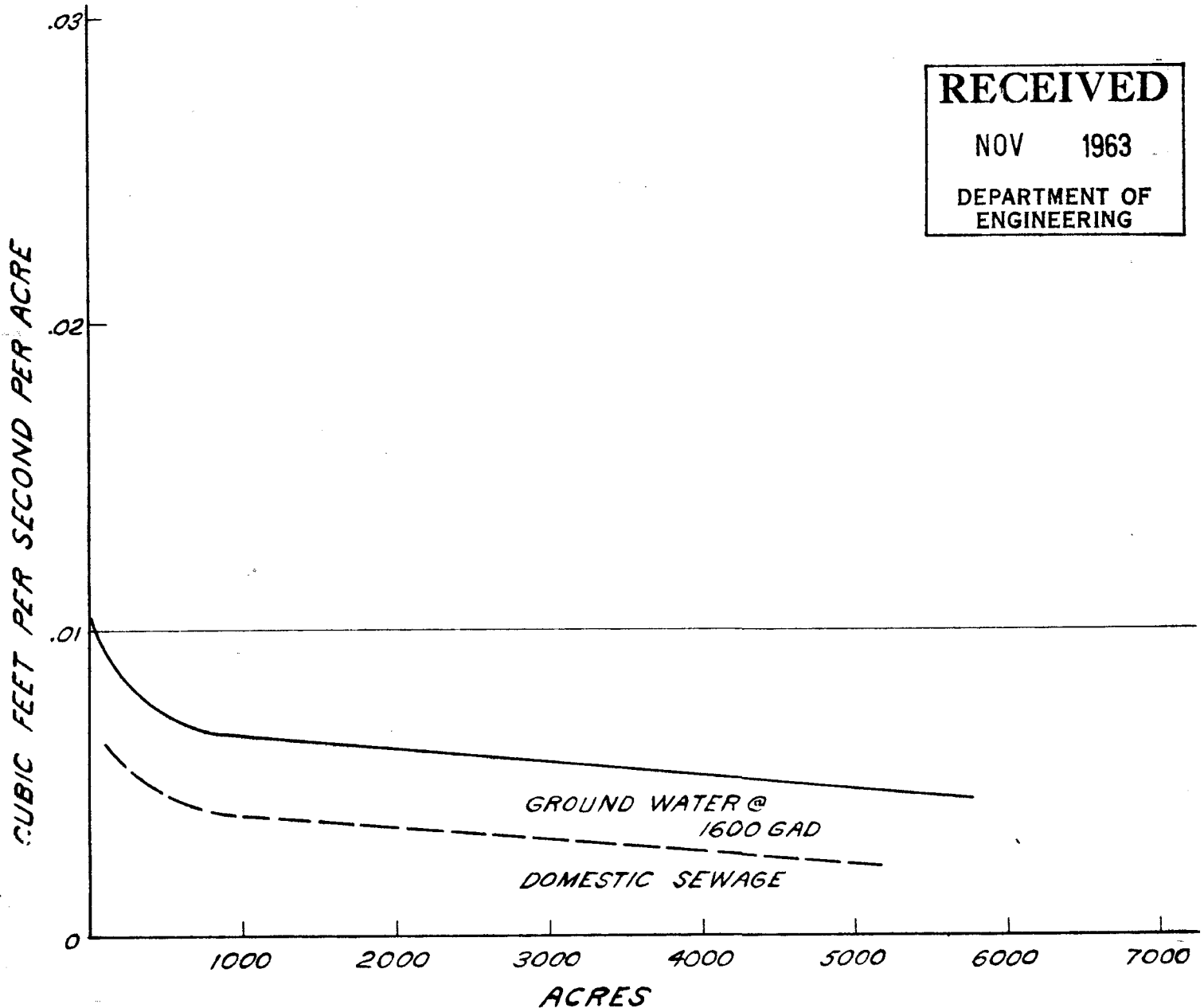
THE METROPOLITAN DISTRICT
BUREAU OF PUBLIC WORKS
115 BROAD STREET, HARTFORD, CONNECTICUT

DESIGN
STANDARDS
SHEET: B

DESIGN RATE OF FLOW OF DOMESTIC SEWAGE & GROUND WATER
FOR SEPARATE SANITARY SEWERS

FOR 100% - RESIDENTIAL FUTURE DEVELOPMENTS IN DISTRICT TOWNS
ASSUMING: WATER CONSUMPTION: 100 GCD; 4 HOUSES/ACRE; 4 TO
10 PERSONS/HOUSE; GROUND WATER INFILTRATION 20,000 G/M/D OR
1600 G/A/D.

AREA ACRES	POPULATION DENSITY	POPULATION	SANITARY FLOW		GROUND WATER @1600GAD	TOTAL G/D	TOTAL CFS	TOTAL CFS/A/D
			GCD	G/D				
1	40	40	500	20,000	1,600	21,000	.033	.033
10	25	250	300	75,000	16,000	91,000	.140	.014
100	20	2,000	200	400,000	160,000	560,000	.870	.0087
1000	17	17,000	150	2,550,000	1,600,000	4,150,000	6.42	.0064
5000	15	75,000	100	7,500,000	8,000,000	15,500,000	24.00	.0048



RECEIVED

NOV 1963

DEPARTMENT OF
ENGINEERING