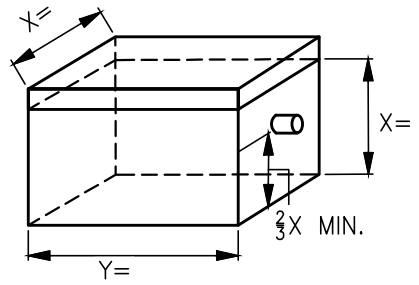
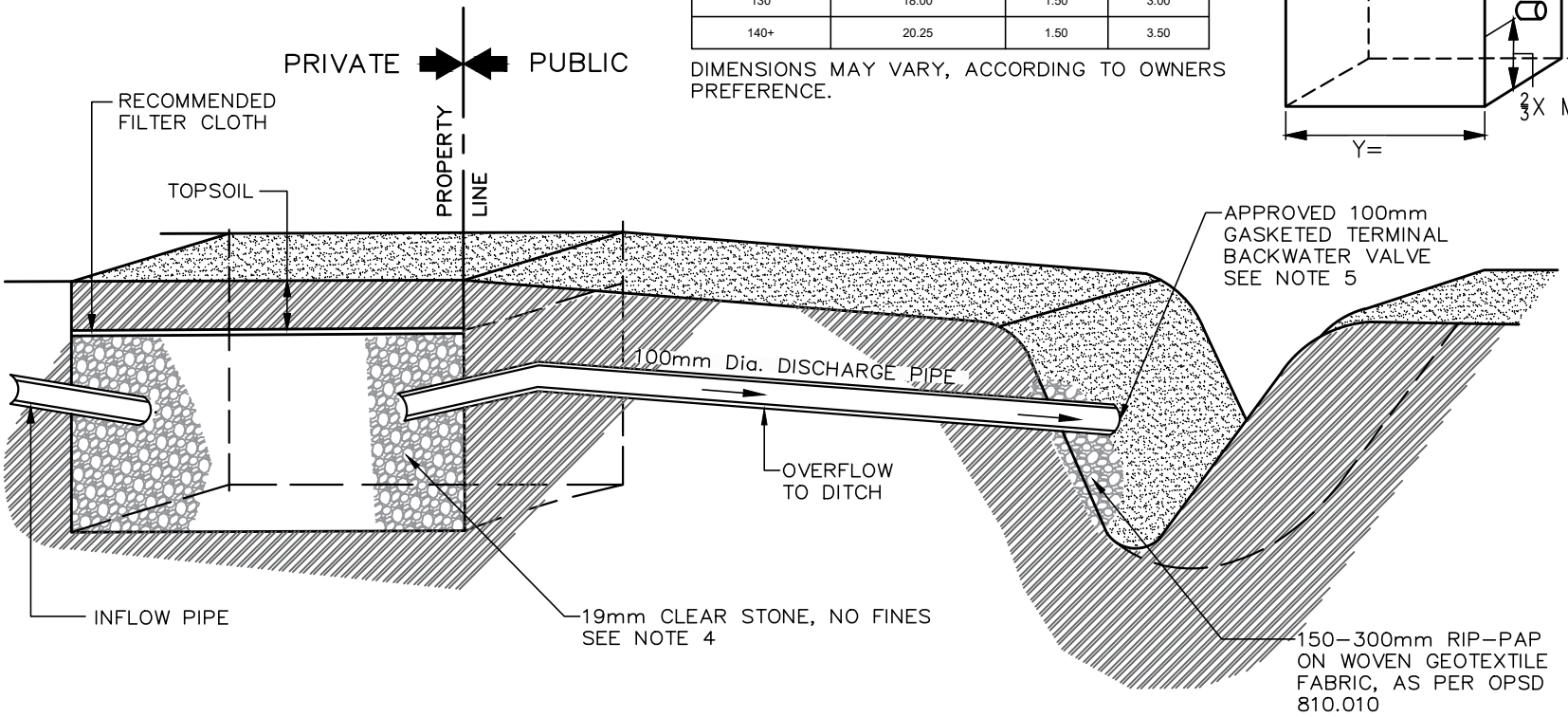
FORMULA = $3(XY)+2X^2=12.96\,m^2$
MIN. SIZE FOR 100 sq.m. OF ROOF SURFACE

ROOF AREA (m^2)	PERCOLATING SURFACE (m^2)	X (m)	Y (m)
100	12.96	1.20	2.80
105	13.50	1.50	2.00
110	15.75	1.50	2.50
120	17.10	1.50	2.80
130	18.00	1.50	3.00
140+	20.25	1.50	3.50

DIMENSIONS MAY VARY, ACCORDING TO OWNERS PREFERENCE.

DIMENSIONS TO BE FILLED BY THE P.W.D.





TYPICAL CROSS SECTION

NOTES:

1. FOR A HOUSE WITH 100 sq.m. OF GROUND COVERAGE AREA, THE DIMENSIONS OF THE PIT WILL BE 1.2 m WIDE, 1.2m DEEP BY 2.8m LONG. THIS SURFACE WILL VARY PROPORTIONATELY WITH GROUND COVERAGE OF EACH INDIVIDUAL HOUSE.
2. PIPE DISCHARGED FROM STONE PIT INTO THE DITCH SHOULD BE PLACED HIGH ON BANK.
3. INSPECTION OF STONE PIT SHALL BE CARRIED OUT BY P.W.D.
4. 19mm CLEAR STONE IN PIT SHALL BE WRAPPED WITH GEOTEXTILE FABRIC.
5. 100mm CASKETED TERMINAL BACKWATER VALVE TO BE INSTALLED ON OUTLET TO DITCH. RODENT GATES WILL NOT BE ACCEPTED.

NOT TO SCALE

CITY OF WINDSOR
ENGINEERING DEPARTMENT

STONE PIT

DR'N BY: TR, AZ	DATE: JUN, 1986
REV. DATE: MAR, 2024	CH'KD BY (ENG): PM, JH
CH'KD BY (GEO/OPS): PJU, AL	PASSED BY: FM

Mark Winterton
Digitally signed by Mark Winterton
Date: 2024.03.27 11:05:01 -04'00'
CITY ENGINEER

AS–514