OWNER:
STOKED INDUSTRIES INC
14 KNOLL TERRACE,
NEPEAN ON
K2J 2K6

0283

R-4727

5m

0

25m

AS PER MANUFACTURER'S INSTRUCTIONS:
ADJUST VERTICAL TRAVEL ON THE OPERATING FLOAT TO ALLOW A SUFFICIENT DOSE VOLUME FROM THE BASE OF THE ECOFLO UNIT DIRECTLY TO THE DISTRIBUTION PIPES OF THE TYPE A DISPERSAL BED. DOSE VOLUME = 170 L

PRESSURIZED FLOW SPLITTER RECIRCULATING 67% OF THE FLOW TO THE INLET OF THE SEPTIC TANK AND 33% OF THE FLOW TO THE DISPERSAL BED

TYPE 'A' DISPERSAL BED
75mm DISTRIBUTION PIPES
8 x 6.4m RUNS AT 1.2m CENTERS
300mm STONE LAYER: 87.4 sq.m.
(8.4m x 10.4m)
300mm SAND LAYER: 249.6 sq.m.
INC. MANTLE
(9.6m x 26.0m)

ECOFLO UNITS SHALL BE C/W WITH AN ECOFLO DENITRIFICATION UNIT INCLUDING A DCU100 CONTROL PANEL

100 SAN @ 1%
FORCEMAIN
PUMPED OUTLET
ECOFLO STB 650BR
100 SAN @ 1%
ECOFLO STB 650BR
GRAVITY OUTLET
100 SAN @ 1%
100 SAN @ 1%
100 SAN @ 1%
FORCEMAIN *
SEPTIC TANK
MIN. 12,980 L
WORKING CAPACITY
INV 116.97
DOSING PUMP TANK (MIN 3,000L)
INV 117.46
INV 117.46
STONE LAYER
TYPE A
DISPERSAL
BED
STONE LAYER
SAND LAYER
SAND LAYER
TOE OF MANTLE: 106.90
15m MANTLE

INSTALL INSULATION OVER ALL SEPTIC FORCEMAINS, SEWERS & OTHER SEPTIC SYSTEM PIPES AS PER DETAILS ON C-5

FLOW MODULATOR/PL-250 EFFLUENT FILTER AT THE SEPTIC TANK OUTLET

* FORCE MAIN SHALL SLOPE BACK TO DOSING RESERVOIR

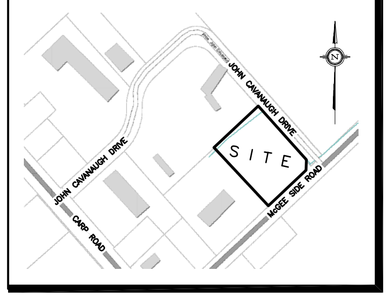
10.6-100 SAN @ 1%

REFER TO NOTES & DETAILS ON DRAWINGS C-5 & C-6

DRAWING LEGEND

INV	INVERT OF PIPE
SAN	SANITARY SEWER
WL	WATER LINE
DS	EAVE TROUGH DOWNSPOUT
x67.89	EXISTING GRADE ELEVATION
+67.89	PROPOSED GRADE ELEVATION
2%	EXISTING SLOPE OF GRADE
2%	PROPOSED SLOPE OF GRADE
T.O.S	TOP OF SLOPE
B.O.S	BOTTOM OF SLOPE
	CENTERLINE OF SWALE
	SILT BARRIER FENCE
	PROPERTY LINE
D.C	150mm CURB/DEPRESSED CURB
	LIGHT-DUTY PAVEMENT
	HEAVY-DUTY PAVEMENT
	CONCRETE
	LANDSCAPE
C.R.Z	CRITICAL ROOT ZONE
FFL	FIRST FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING
	EMERGENCY OVERLAND FLOW

KEY PLAN



No.	DATE	REVISION
5	AUG 10-23	RE-ISSUED FOR APPROVAL
4	JUN 29-23	RE-ISSUED FOR APPROVAL
3	JUN 23-23	RE-ISSUED FOR COORDINATION
2	JUN 8-23	ISSUED FOR COORDINATION
1	APR 19-23	ISSUED FOR CLIENT REVIEW

D. B. GRAY ENGINEERING INC.
Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermains
700 Long Point Circle 613-425-8044
Ottawa, Ontario d.gray@dbgrayengineering.com

Project
OFFICE & WAREHOUSE
2167 McGEE SIDE ROAD
OTTAWA, ONTARIO

Drawing Title
SEPTIC SYSTEM

Engineer's Seal
LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
AUG 10-23
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
Hor. Scale	1:250
Vert. Scale	
Date	APR 19-23
Job No.	23024

Drawing No.
C-2
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