21 206

HOB.
TE
COL

83/19

TRAVERSE 2

83/10

83/17

TRAVERSE 1

N° 30

TRAVERSE 3

83/20

Bathurst St

83/16

N° 32

83/9

83/11

TRAVERSE 4

83/18

Brick Building

ARGYLE ST
× 26M R.

SYNAGOGUE

HOBART CLUB.

N

Scale 1:200

POLICE H

30-32 BATHU

HOBART

SITE PLA

scale 1:2

FIG

M 1386

M 1386

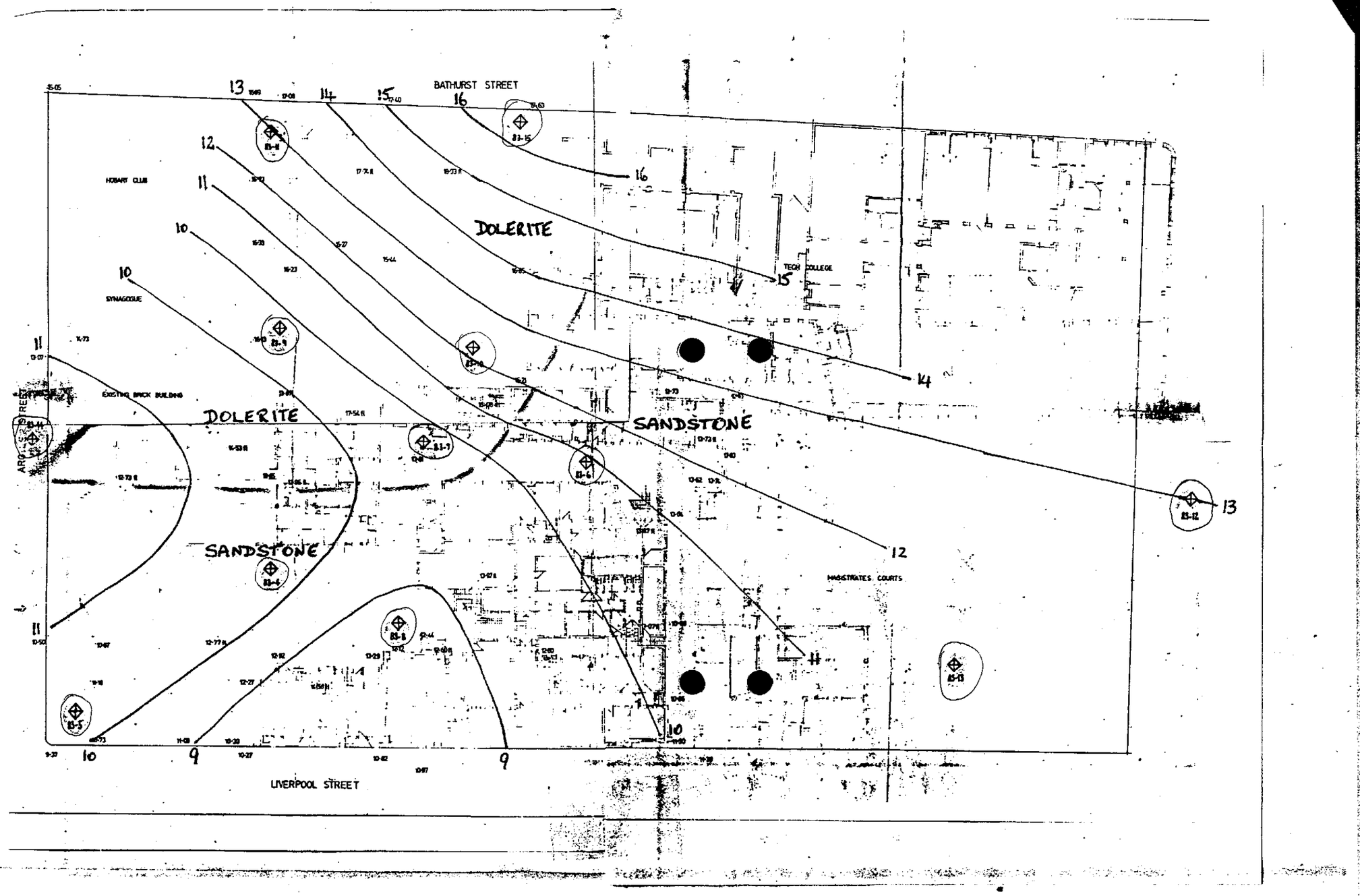

FIG 1: Location of boreholes New Police Headquarters, HOBART ⊕B3-4
Possible structural contours for top of in situ rock materials shown ——13
along with possible position of boundary between dolerite and sandstone — — —

method
AS auger screwing*
AD auger drilling*
R roller/tricone
W washbore
CT cable tool
* bit shown by suffix:
C casing
M mud

penetration
1 2 3 no resistance ranging to refusal

U50 – undisturbed sample 50 mm diameter
D – disturbed sample
N – standard penetration test:figure = result
N* – SPT + sample

based on unified classification system

moisture
D – dry
M – moist
W – wet

S – soft
F – firm
St – stiff
VSt – very stiff
H – hard
Fb – friable
VL – very loose
L – loose
MD – moderately dense

DEPT OF MAIN ROADS (TAS.)
ENGINEERING AND RESEARCH DIVISION

engineering log — cored borehole

REF NO 18303 ACC 1
QUAD 82 PUR 0
MAP SHEET 83122
E = 526685
N = 5252295

M & R F8

borehole no: 83-14
sheet 1 of 1

File No.

project: NEW POLICE HEADQUARTERS
borehole location: HOBART

hole commenced: 15-6-83
hole completed: 15-6-83
supervised by: T. SWANTON
log checked by: B. WELDON

drill model and mounting: GEMCO (trailer) slope: Vert deg.
barrel type and length: NQTT 1.5m fluid H_2O bearing: — deg.

R. L. surface: N12.25 m
datum: Driller G. BAKER

drilling information				rock substance					rock mass defects	
method	case-lift	water	depth R.L. metres	graphic log / core loss	substance description: rock type, grain characteristics, colour, structure, minor components.	weathering	strength Is(50) EL VL L M H VH EH	defect spacing mm 30 100 300 1000 3000	defect description: thickness, type, inclination, planarity, roughness, coating. particular	general
AS			0.00	SOIL	ROAD SURFACE					
					GRAVEL: dolerite					
			0.96							
NQTT			1.21		DOLERITE: blue-grey fine grained	SW			highly broken	Defects mostly joints at 30°+60° with subvertical joints less common. Joint surfaces often planar; rough to smooth, nearly all coated with either light brown clayey material or black crystalline (? Mn or Fe) material
			1.40							
			1.53							
			1.68							
			1.76							
			1.80							
			2.17						broken	
			2.75							
			2.93							
			3.17							
			3.66						broken	
			3.88							
			3.96		Borehole 83-14 terminated at 3.96 m depth					

21 220

key

method
- AS auger screwing
- AD auger drilling
- R roller/tricone
- W washbore
- NMLC NMLC core drilling

case-lift
- casing used
- barrel withdrawn

water
- 10 Oct, 73 water level date shown
- water inflow
- partial drilling water loss
- complete drilling water loss

graphic log/core loss
- core recovered (hatching indicates material)
- no core recovered

weathering
- Fr — fresh
- SW — slightly weathered
- MW — moderately weathered
- HW — highly weathered
- EW — extremely weathered

strength (indirect tensile strength)
- EL — extremely low
- VL — very low
- L — low
- M — medium
- H — high
- VH — very high
- EH — extremely high

M 1386