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

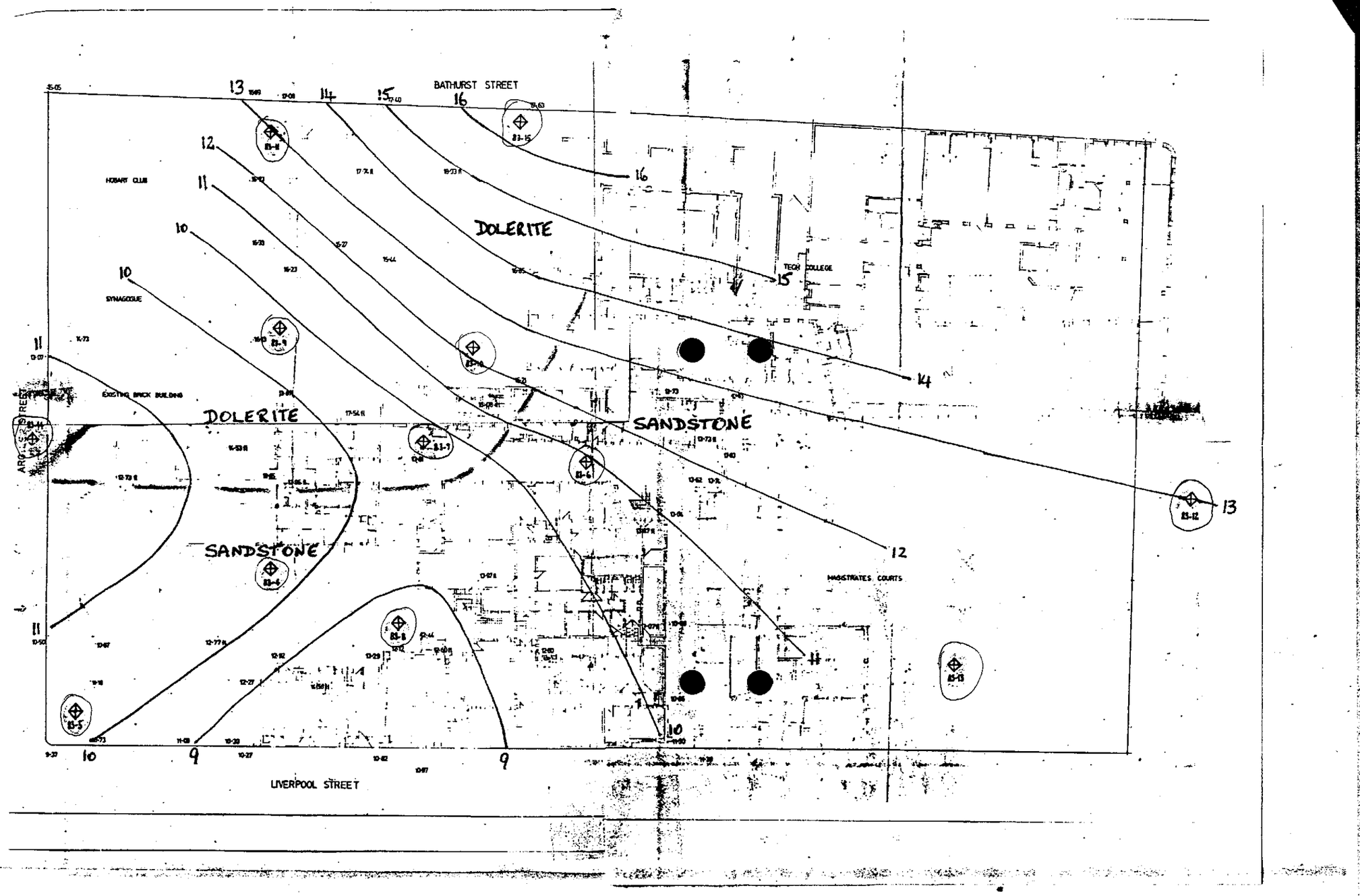

FIG 1: Location of boreholes New Police Headquarters, HOBART ⊕B3-4
Possible structural contours for top of in situ rock materials shown ——13
along with possible position of boundary between dolerite and sandstone — — —

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

MAIN ROADS (TAS.)
AND RESEARCH DIVISION

REF NO 18304 ACC 1
QUAD 82 PUR 0
MAP SHEET 83/22 E = 526687
N = 5252360
File No.

M & R.F8

borehole no: 83-15
sheet 1 of 1

engineering log — cored borehole

project: NEW POLICE HEADQUARTERS
borehole location: HOBART AS PER PLAN

hole commenced: 15-6-83
hole completed: 16-6-83
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: ~ 17.5 m
datum: Driller G. BAKER

drilling information				rock substance					rock mass defects	
method	case-lift	water		R.L. depth 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		MATERIAL TYPE NOT RECORDED				
				1.10 1			Fr			
						DOLERITE: grey-blue fine grained with medium grained dark crystals (? pyroxenes)	MW			spheroidal weathering
	H			1.89			HW			highly broken
				2 2.32			SW			
	H									
				3						joints very close ~5mm (45° set). Most defects are joints at 20° + 60° to axis. Some subvertical dirs and spheroidal weathering. Joints usually coated with light brown-orange clayey material & black MnO2 staining.
				3.69 3.83						
	H			4						
	H			4.78						
				5						
	E			5.60						
				6		Borehole 83-15 terminated at 5.60 m depth.				
				7						

21 22 23

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