21 206

HOB.
TE
COL

TRAVERSE 2

83/19

83/10

83/17

83/16

83/20

83/9

83/11

83/18

TRAVERSE 1

TRAVERSE 3

N°30

N°32

BATHURST ST

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

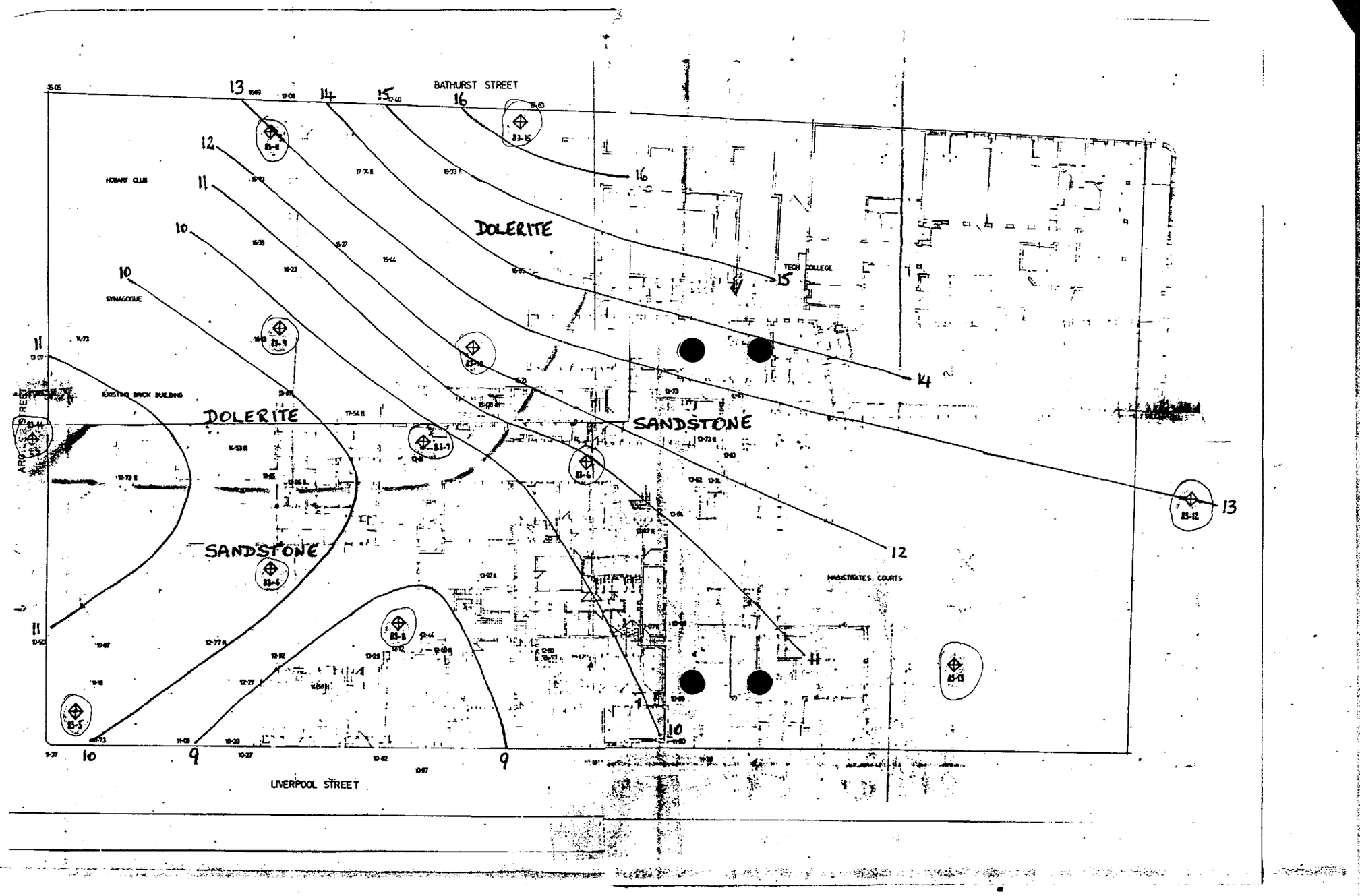

FIG 1: Location of boreholes New Police Headquarters, HOBART ⊕B3-4
Possible structural contours for top of in situ rock materials shown ——13
along with possible position of boundary between dolerite and sandstone — — —

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

...oads (Tas)
...search Division

REF No 18300
QUAD 82
MAP SHEET 83122

ACC 1
PUR O
E = 526678
N = 5252350

borehole no: 83-11
sheet 1 of 2

engineering log – borehole

file:

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

hole commenced: 8-6-83
hole completed: 9-6-83
supervised by: T. SWANTON
log checked by: B. WELDON

drill model and mounting: GEMCO (trailer)
hole diameter: 110 mm
slope: Vert deg.
bearing: — deg.
R.L. surface: N16.8 m
datum:
operator: G. BAKER

method	penetration 1 2 3	support	water	notes samples, tests, etc.	R.L. depth metres	graphic log	classification symbol	material: soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency, rel. density	hand penetrometer kPa 100 200 300 400	structure and additional observations
					0							Water levels Date depth 14-6 6.05m 15-6 6.05 17-6 6.15
					1							
					1.50							
				N*=18 (4,8,10)	1.95 2		SC	SANDY CLAY: grey-brown; medium plasticity; MC ≈ P.L.; fine sand; silty pockets.	M	H		
					3.00 3							
				N*=36 (7,13,23)	3.45		SC	SANDY CLAY: grey and brown; brown sand, fine; medium plasticity clay; MC ≈ P.L.	M	H		
AS					4				M	D		SANDY POCKET ——?——?
					4.50							DOLERITE in situ
				N*=18 (3,6,12)	4.95 5		GC	GRAVELLY CLAY: decomposed dolerite, medium size gravel, brown in whitish clay matrix	M	VSt		
					6.00 6							
				N*>50 (10,32/150)	6.30		GC	GRAVEL: decomposed dolerite, whitish clay (veins)	M	D		SPT: last 32 blows for 150 mm penetration only.
					7							
					7.20							
					7.50							
				N*>50	7.71			DOLERITE: veins of whitish clay	M	D		SPT 17, 13/60 last 13 blows for only 60mm penetration
					8							

key

method
AS auger screwing*
AD auger drilling*
R roller/tricone
W washbore
CT cable tool
* bit shown by suffix:
B – blank bit
V – "V" bit
T – TC bit
e.g. ADT

support
C casing
M mud

penetration
1 2 3
no resistance
ranging to
refusal

water
10 Oct, 73 water level on date shown
water inflow
water outflow

notes – samples and tests
U50 – undisturbed sample 50 mm diameter
D – disturbed sample
N – standard penetration test:figure = result
N* – SPT + sample
Nc – cone penetrometer

classification symbols and soil description
based on unified classification system

moisture
D – dry
M – moist
W – wet

consistency/relative density
VS – very soft
S – soft
F – firm
St – stiff
VSt – very stiff
H – hard
Fb – friable
VL – very loose
L – loose
MD – moderately dense
D – dense
VD – very dense

91 666

...ces (Tas)
...earch Division

engineering log – borehole

borehole no: 83-11
sheet 2 of 2

file:

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

hole commenced: 8-6-83
hole completed: 9-6-83
supervised by: T. SWANTON
logged by: B. WELDON

drill model and mounting: GEMCO (trailer)
hole diameter: 110 mm
slope: Vert deg.
bearing: — deg.
R.L. surface: N16.8 m
datum:
operator: G. BAKER

method	penetration 1 2 3	support	water	notes samples, tests, etc.	R.L. depth metres	graphic log	classification symbol	material: soil type: plasticity or particle characteristics, colour, secondary and minor components.	moisture condition	consistency, rel. density	hand penetrometer kPa 100 200 300 400	structure and additional observations
					8							
AS												SPT: 29 blows for 1st 150 mm of penetration only
					9.00							
				N>50	9.15			DOLERITE: EW. veins of clay	M	D		
								Borehole 83-11 terminated at 9.15 m depth.				
					10							

21 223

key

method
AS auger screwing*
AD auger drilling*
R roller/tricone
W washbore
CT cable tool
* bit shown by suffix:
B – blank bit
V – "V" bit
T – TC bit
e.g. ADT

support
C casing
M mud

penetration
1 2 3 no resistance ranging to refusal

water
10 Oct, 73 water level on date shown
water inflow
water outflow

notes – samples and tests
U50 – undisturbed sample 50 mm diameter
D – disturbed sample
N – standard penetration test: figure = result
N* – SPT + sample
Nc – cone penetrometer

classification symbols and soil description
based on unified classification system

moisture
D – dry
M – moist
W – wet

consistency/relative density
VS – very soft
S – soft
F – firm
St – stiff
VSt – very stiff
H – hard
Fb – friable
VL – very loose
L – loose
MD – moderately dense
D – dense
VD – very dense

M 1698