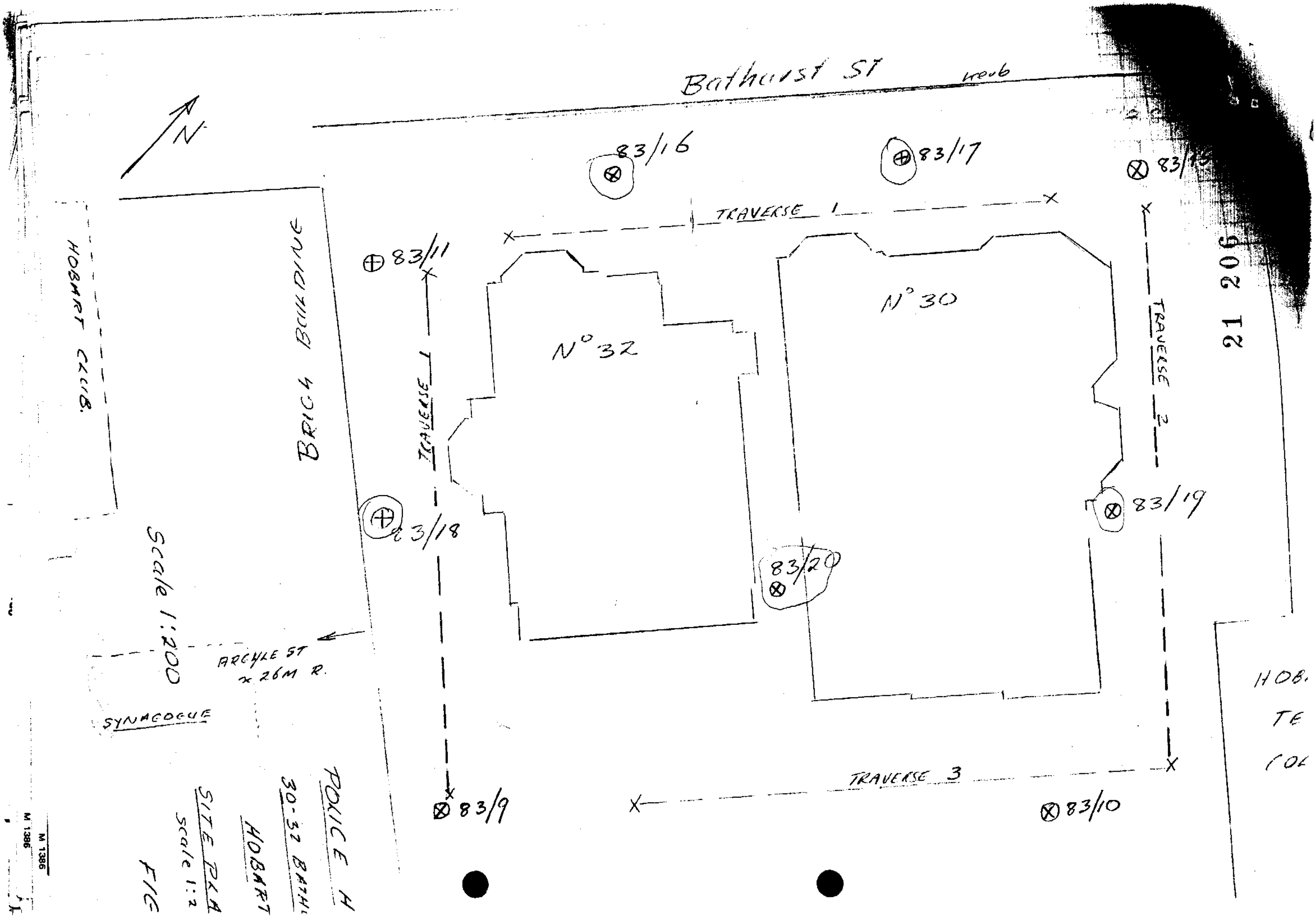
Bathurst St
kerb
N
83/16
83/17
TRAVERSE 1
83/11
83/18
83/19
83/20
83/9
83/10
TRAVERSE 2
TRAVERSE 3
N° 32
N° 30
21 206
HOBART CLUB.
BRICK BUILDING
Scale 1:200
ARGYLE ST
x 26M R.
SYNAGOGUE
POLICE H
30-32 BATH
HOBART
SITE PLA
scale 1:2
FIG
M 1386
M 1386

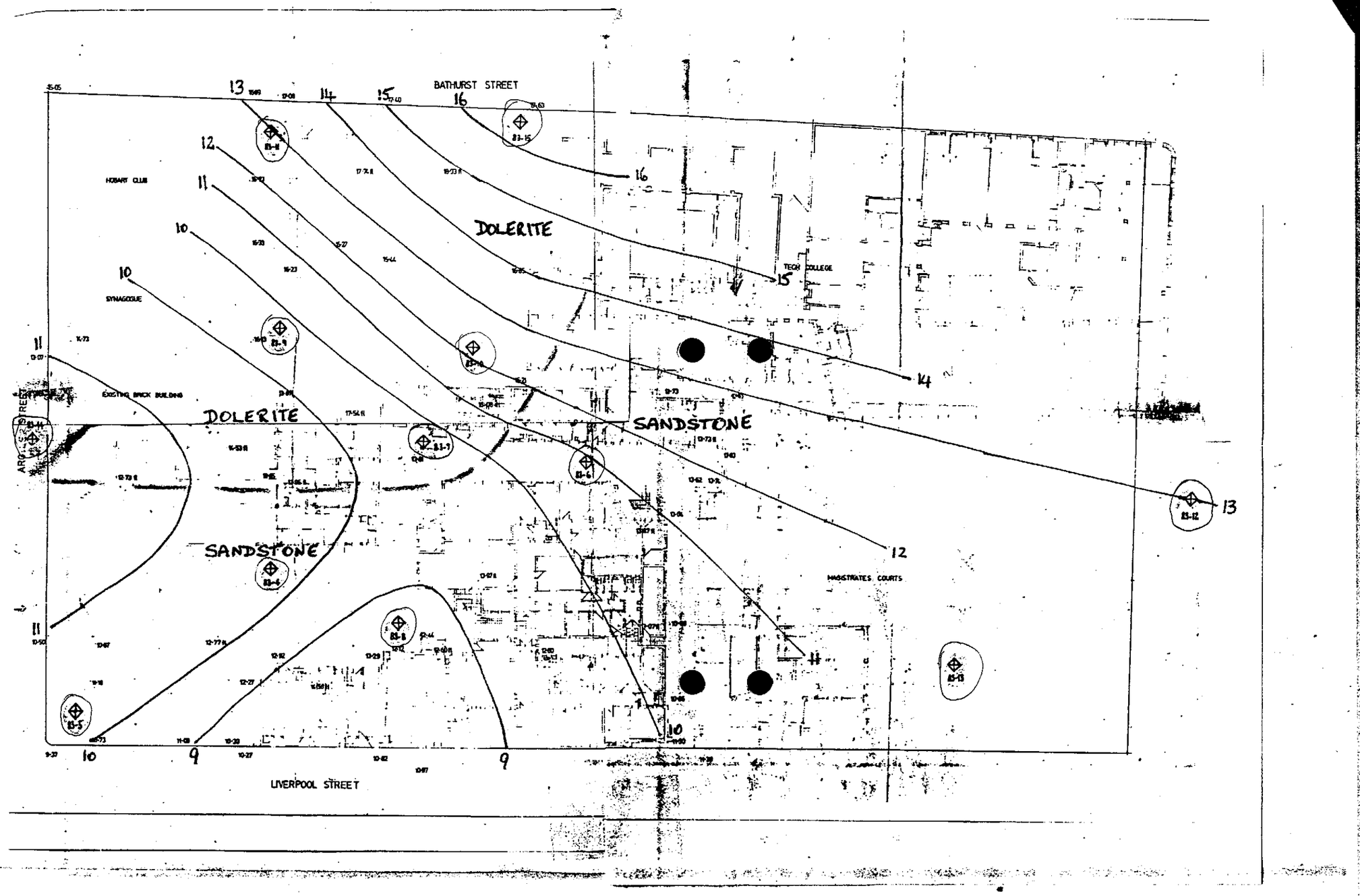

FIG 1: Location of boreholes New Police Headquarters, HOBART ⊕B3-4
Possible structural contours for top of in situ rock materials shown ——13
along with possible position of boundary between dolerite and sandstone — — —

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.)
ROADS AND RESEARCH DIVISION

REF No 18302
QUAD 82
MAP SHEET 83122

ACC 1
PUR 0
E = 526782
N = 5252370

M & R.F8

borehole no: **83-13**
sheet 1 of 1

engineering log — cored borehole

File No.

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

hole commenced: 14-6-83
hole completed: 14-6-83
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: N 12.0 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		GRAVEL: decomposed sandstone, brown, medium grained				Water Levels: date 15-6 depth 3.10; 17-6 3.10	
			1						SPT attempted at 1.5m depth but hammer rebounding strongly	
			1.50		core loss					
NQTT		15-6	1.58		SANDSTONE: brown, bedded, fine to medium grained, dark banding and spots	Fr				
			2							
			2.55		current bedded micaceous dark banding					
			3							
			4.07		medium grained, brown					
					fine grained, brown					
			5						defects mostly sub horizontal (0-10°) bedding plane partings, planar rough to smooth some iron staining	
			5.38							
					Borehole 83-13 terminated at 5.38m depth					
			6							
			7							
			8							

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 (Is(50) tensile strength)
EL — extremely low
VL — very low
L — low
M — medium
H — high
VH — very high
EH — extremely high