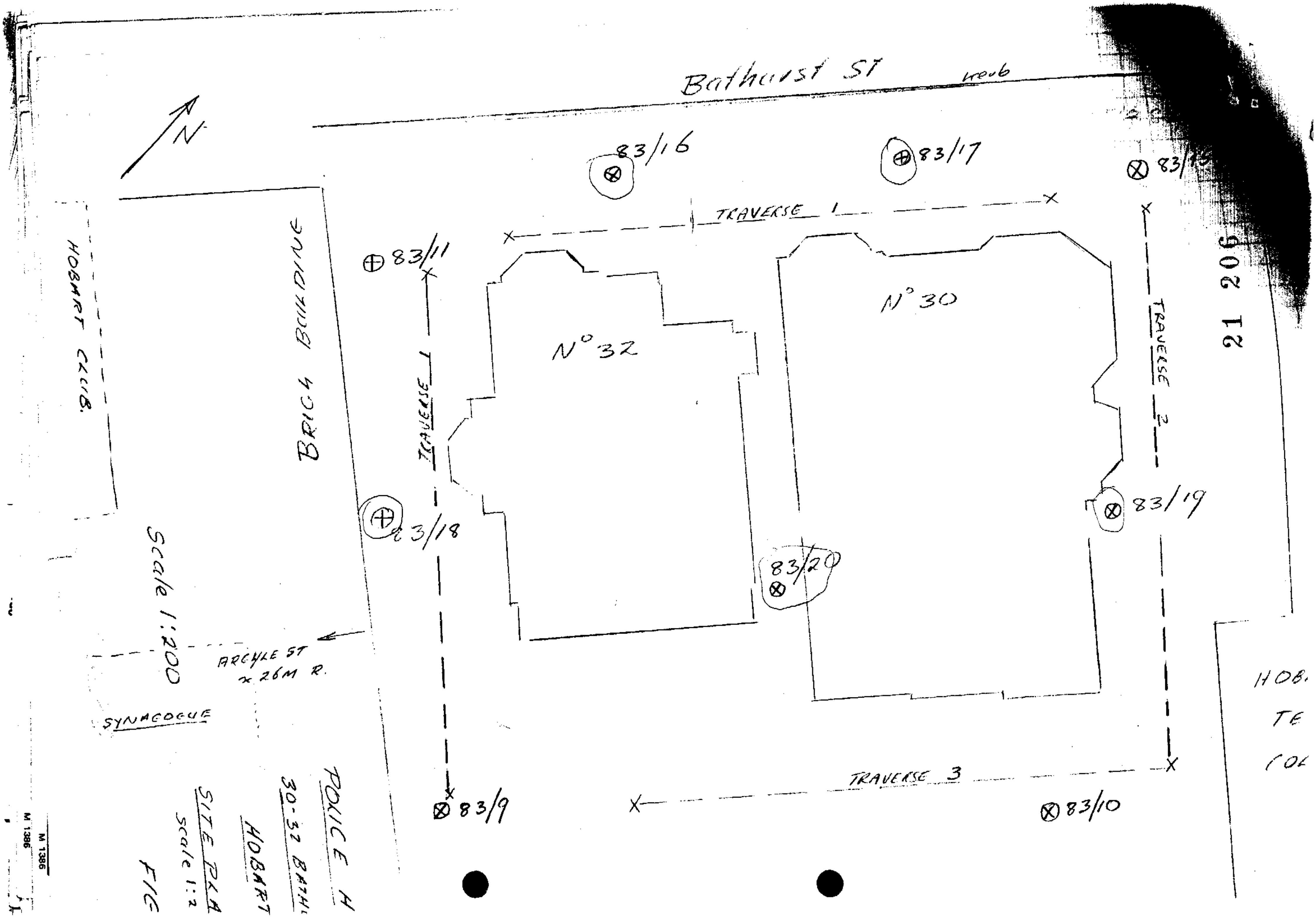
Bathurst ST
kerb
N
83/16
83/17
TRAVERSE 1
TRAVERSE 2
TRAVERSE 3
83/11
83/18
83/19
83/20
83/9
83/10
N°32
N°30
21 206
BRICK BUILDING
HOBART CLUB.
Scale 1:200
ARGYLE ST
x 26M R.
SYNAGOGUE
HOB.
TE
CO
POLICE H
30-32 BATH
HOBART
SITE PLA
scale 1:2
FIG
M 1386
M 1386

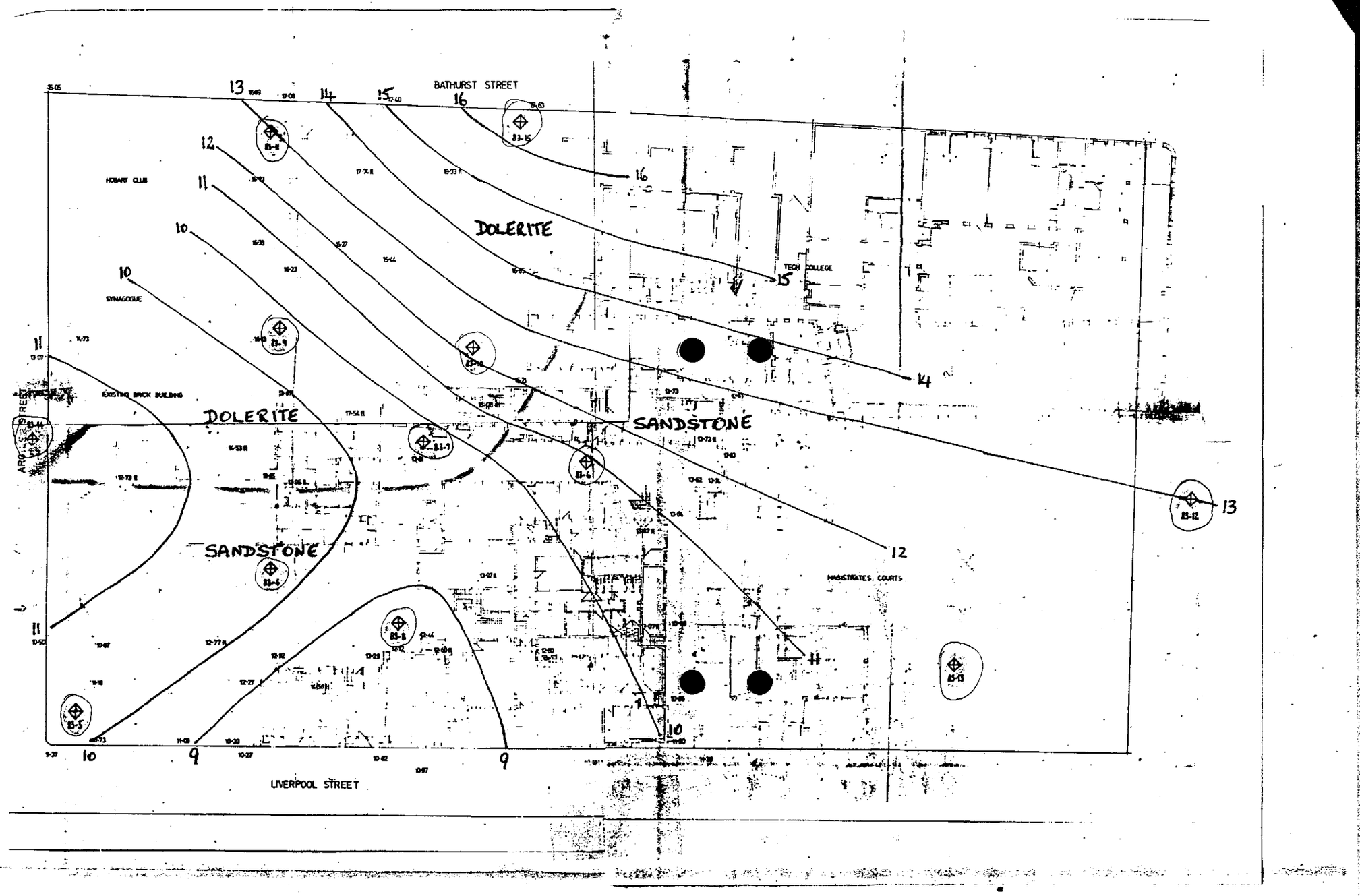

FIG 1: Location of boreholes New Police Headquarters, HOBART ⊕B3-4
Possible structural contours for top of in situ rock materials shown ——13
along with possible position of boundary between dolerite and sandstone — — —

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.)
MATERIALS AND RESEARCH DIVISION

REF No 18301 ACC 1
QUAD 82 PUR 0
MAP SHEET 83122 E = 526770
N = 5252390

M & R.F8

borehole no: 83-12
sheet 1 of 1

engineering log — cored borehole

File No.

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

hole commenced: 9-6-83
hole completed: 9-6-83
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: N13.5 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		HOT MIX					
					FINE CRUSHED ROCK					
					GRAVEL					
			1		SAND					
			1.50							
		$N^* > 50$	1.62		SANDSTONE: brown; medium grained; slightly micaceous -	SW-Fr			32 blows for only 110mm of penetration	
			2							
	F		2.33						joints at 60°	
			3		greenish-grey					
			3.93							
	H		4		brown					
NQTT					medium grained, brown				joints 60-80°	
			5		fine grained medium grained					
	H		5.43		fine grained				joints at 60°	
			6							
	F		6.97							
			7		Borehole 83-12 terminated at 6.97 m depth.					
			8							

Most defects are subhorizontal (0-10°) bedding plane partings. Usually very rough planar

21 224

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