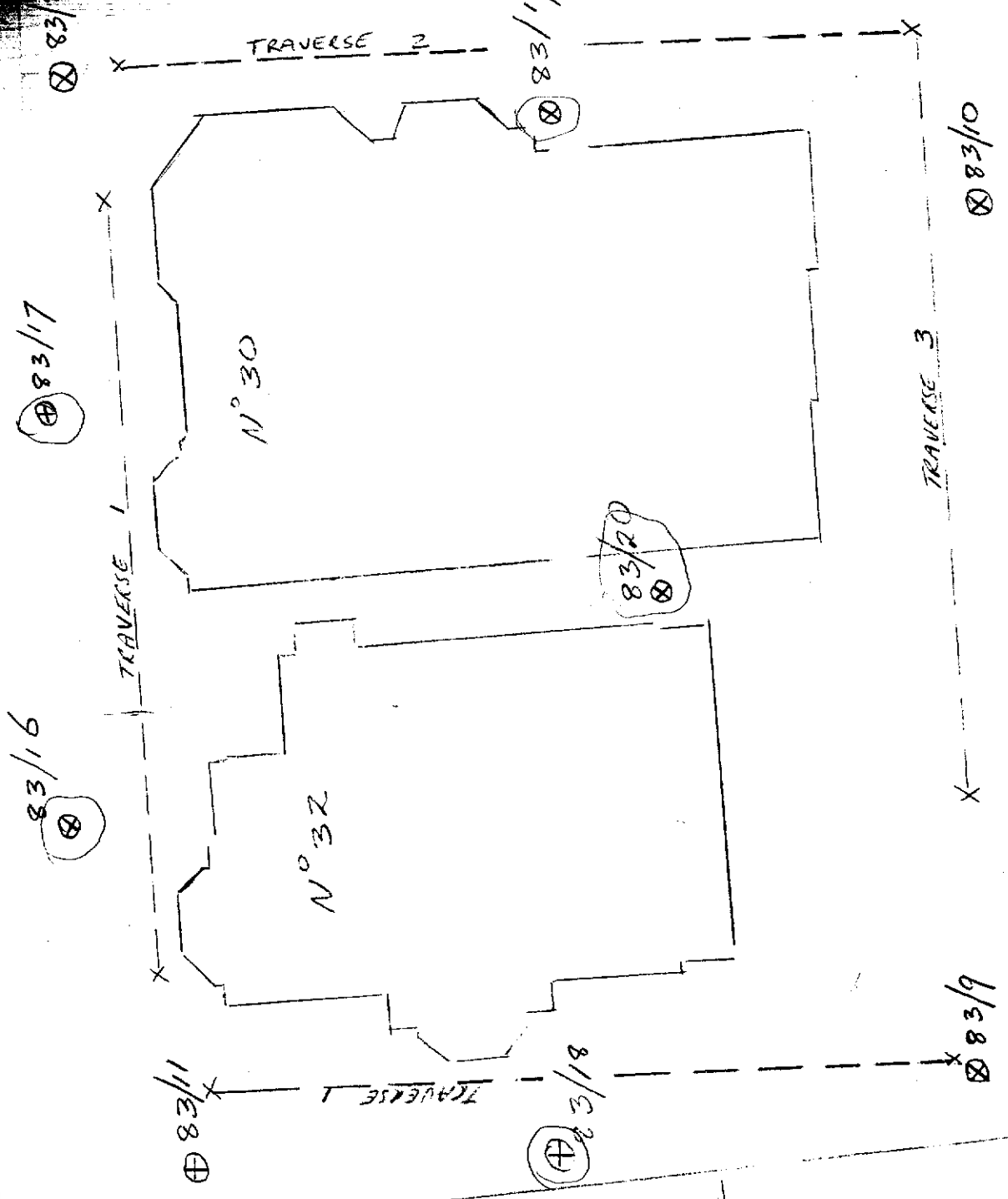


HOB.
TE
COL

21 206

Bathurst St



BRICK BUILDING

HOBART CLUB.

ARCHIE ST
x 26M R.

SYNAGOGUE

Scale 1:200

H E 3100

30-32 BATHURST

HOBART

SITE PLAN
scale 1:2

FIG

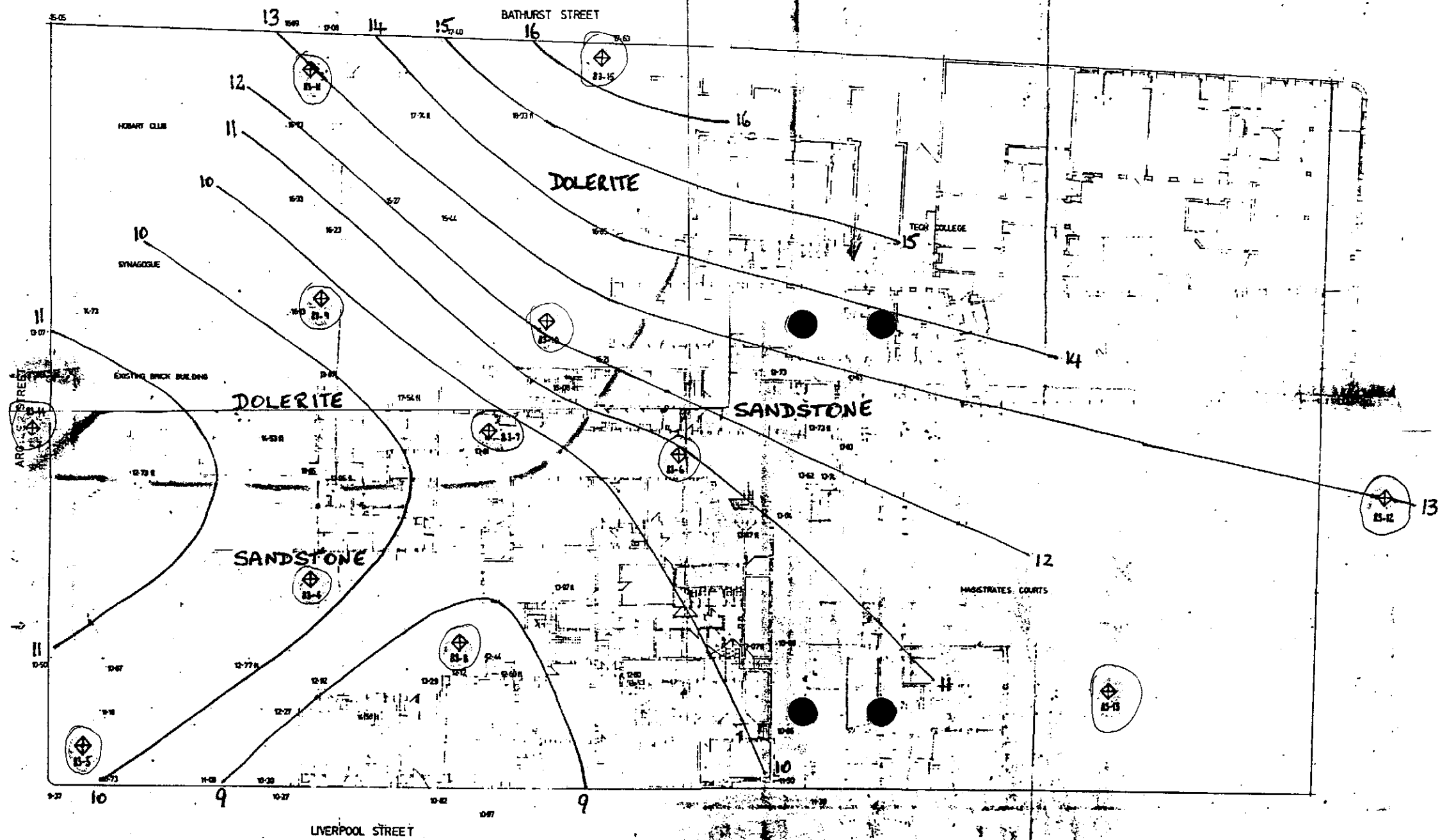


FIG 1: Location of boreholes New Police Headquarters, Hobart B3-4
 Possible structural contours for top of in situ rock materials shown — 13
 along with possible position of boundary between dolerite and sandstone - - - -

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

C casing mud
 M mud
 penetration
 123 no resistance ranging to refusal

U50 - undisturbed sample 50 mm diameter
 D - disturbed sample
 N - standard penetration test: figure = result
 N° - SPT + sample
 AI cone penetrometer

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

engineering log - borehole

REF No 18295
QUAD 82
MAP SHEET 83122

ACC 1
PURD
E526735
N5252365

borehole no:
83-6
sheet 1 of 3

file:

NEW POLICE HEADQUARTERS
project: **HOBART**
borehole location: **AS DER PLAN**

hole commenced: **1-6-83**
hole completed: **2-6-83**
supervised by: **T. SWANTON**
log checked by: **B. WELDON**

drill model and mounting: **GEMCO (trailer)** slope: **Vert** deg.
hole diameter: **90 mm** bearing: **-** deg. R.L. surface: **N13.7** m
datum: operator: **G. BAKER**

method 123	penetration 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 penetro- meter	structure and additional observations
					CONCRETE				Water Levels Date Depth 6-6 3.0m 7-6 3.0 8-6 2.95 9-6 2.9 14-6 2.95 17-6 3.02
					RUBBLE / LANDFILL				
			0.99		SANDY CLAY				
		N* = 19 (4, 9, 10)	1.44	SC	SANDY CLAY: brown-grey; medium plasticity; MC < PL; fine grained sand.	M	VSt		
			2						
			2.55		GRAVEL: dolerite and sandstone medium size subangular gravel. micaceous clayey fines	M	Fb D		small dolerite dyke? or landfill?
		3/6 N* = 46 (9, 22, 24)	3.00	GP					
					continued on engineering log - cored borehole sheet				
			4						
			5						

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 123 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
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engineering log — cored borehole

File No.

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

hole commenced: **1-6-83**
hole completed: **2-6-83**
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 **H₂O** bearing: **-** deg.

R. L. surface: **N13.7** 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)	defect spacing mm	defect description thickness, type, inclination, planarity, roughness, coating. particular	general
			3.00							
			3.15		Continued from engineering log-borehole sheet					
			4.05		CORE LOSS					
			4.25		SILTSTONE: brown, micaceous carbonaceous	HW			40-60° joint	
			5		SANDSTONE: brown, fine grained	MW				
			5.55		CORE LOSS					
			6		SANDSTONE: brown, medium grained	SW			20-50°	
			7		grey	MW				
			7.10		brown	SW			40-60°	
			8							

Most defects are bedding plane partings 0-15°

Drill loss of 50 mm in 1400mm

key method AS auger screwing AD auger drilling R roller/tricone W washbore NMLC NMLC core drilling	case-lift casing used H 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
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engineering log — cored borehole

File No.

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

drill model and mounting: **GEMCO (Hawker)** slope: **Vert** deg.
 barrel type and length: **NQTT 1.5m** fluid **H₂O** bearing: **-** deg.

hole commenced: **1-6-83**
 hole completed: **2-6-83**
 supervised by: **T. SJANTON**
 log checked by: **B. WELDON**

R. L. surface: **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)	defect spacing mm	defect description thickness, type, inclination, planarity, roughness, coating. particular general
			8		SANDSTONE: brown medium-grained	SW			broken
			8.55						
			9		grey	MW		15	very broken
			10		CLAY: brown, med plasticity MUDSTONE: brown	MW			sliceasides.
			10.11						
			11			EW			very broken; 60-40° joints; planar, smooth, & clay lined
			11.28		Borehole 83-6 terminated at 11.28 m depth.				
			12						
			13						

21 213

<p>key</p> <p>method</p> <p>AS auger screwing AD auger drilling R roller/tricone W washbore NMLC NMLC core drilling</p>	<p>case-lift</p> <p> casing used ⊥ barrel withdrawn</p> <p>water</p> <p>10 Oct, 73 water level date shown ↑ water inflow ↓ partial drilling water loss □ complete drilling water loss</p>	<p>graphic log/core loss</p> <p>⊞ core recovered (hatching indicates material) □ no core recovered</p>	<p>weathering</p> <p>Fr — fresh SW — slightly weathered MW — moderately weathered HW — highly weathered EW — extremely weathered</p>	<p>strength (indirect tensile strength)</p> <p>EL — extremely low VL — very low L — low M — medium H — high VH — very high EH — extremely high</p>
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