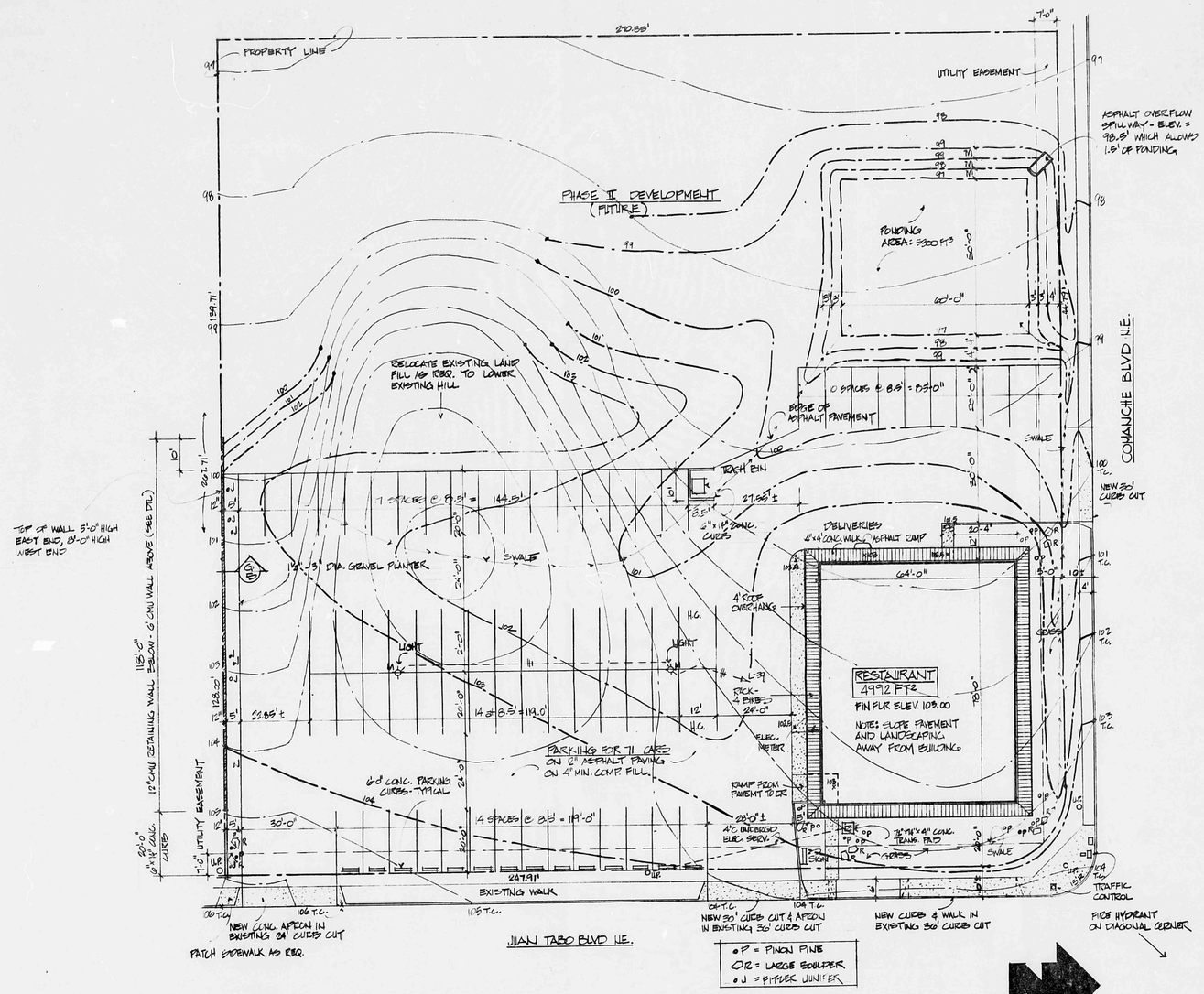
HYDROLOGY

G21/D11
1 PLAN

G21/D11

1 PLAN



SITE PLAN 1" = 20'

(SEE SHEET #7 FOR MECH. SITE PLAN)

TRACT M-1 (M-1A & M-1B) OF LA REINA DE LOS ALTOS UNIT 2

C-1 ZONE – A-3 OCCUPANCY – FIRE ZONE 2 – TYPE III-N CONSTRUCTION

ROOF LIVE LOAD = 20 LBS/FT²

SOIL PRESSURE = 2000 PSF (SOILS REPORT: E.M. FOX)

NOTE: SITE DEVELOPMENT & FOOTING EXCAVATIONS SHALL BE AS PER SOILS INVESTIGATION REPORT RECOMMENDATIONS - COPY AVAILABLE AT ARCHITECTS OFFICE

UBC CHAPTER 53: ENERGY REQUIREMENTS

	R VALUE	U VALUE	AREA
WALLS:			
8" SLUMP BLOCK FILLED W/ VERMICULITE	5.88		1920.11
OUTSIDE FILM	.17		
INSIDE FILM	.68		
	6.73	.149	
SINGLE GLAZED WINDOWS		1.13	48.81
DOUBLE GLAZED THERMOPANE WINDOWS		.45	234.88
S.C. EXTERIOR METAL DOORS		.48	80.04
			2283.84
ROOFS:			
ROOF HATCH (INSULATED)		.48	7.5
BUILT-UP ROOF W/ TAR & GRAVEL, 4 LAYERS FELT	.78		
OUTSIDE FILM	.15		
2" RIGID INSULATION 2 LBS/FT³ DEN. PERLITE	8.00		
METAL DECK	.27		
ACOUSTA FORM 1" LAY-IN CEILING	4.5		
INSIDE FILM	.61		
	14.31	.07	4796.5
			4804

$U_{WALLS} = \frac{(.149)1920.11 + (1.13)48.81 + (.45)234.88 + (.48)80.04}{2283.84} = .213 < .37$ REQ. ∴ OK

$U_{ROOF} = \frac{(.07)4796.5 + (.48)7.5}{4804} = .0706 < .09$ REQ. ∴ OK

NELSON B. BUCK - ARCHITECT
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JOB NO. 721
DATE: 3-28-78
REVISED: 5-9-78

JOB: GOODY'S FAMILY RESTAURANT #13
COMANCHE & JUAN TABO
JAMES CORPORATION - CONTRACTOR

SHEET TITLE: SITE PLAN

SHEET NUMBER: 1