G21/D11

1 PLAN

DRAINAGE REPORT

FOR

GOODY'S RESTAURANT DEVELOPMENT

TRACT M-1, LA REINA DE LOS ALTOS, UNIT 2

MAY 1978

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PLATES

I Location Map G - 21

II Site Plan and Grading Plan

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PURPOSE

The purpose of this report is to present to governing agencies a reasonable method of complying with Drainage Resolution 1972 - 2 and thereby limit runoff from the proposed development to an amount not in excess of the flow to be expected from the property in its present state. The report is composed of a narrative of existing and proposed conditions and computations and plans to determine and construct necessary control structures for both internal and external flows.

LOCATION AND TERRAIN

The proposed development is located on the southwest corner of Comanche Road and Juan Tabo Boulevard in the northeast quadrant of the city. (See Plate I for exact location.)

The property slopes westerly at less than three percent and is spotted with non-compacted fill areas. Base soils are composed of granular decomposed granite and fills are of various soil types and rubble. Vegetation, primarily composed of prairie grasses, is sparse, with scattered common weeds.

GOODY'S RESTAURANT #3 5/78 JJB

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RUNOFF SOURCE

Item		area, A ac	C	AC
roof		6,192	0.95	5,882
pavement & sidewalk		27,198	0.95	25,838
landscaped	5×138, 5×134	4,410	0.40	1,764
	5×153, 5×88	37,800		33,484
	12×63, 11×99			
pond		3,000	1.00	3,000

PONDING

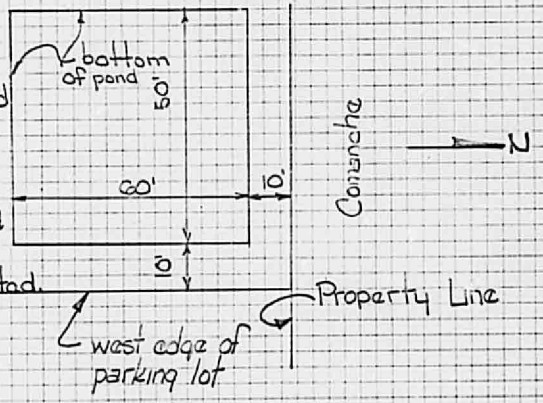
existing condition -(40,800)(0.45)(2.8)/12 = 4,284 ft³

after development - (36,484)(2.8)/12 = 8,513 ft³

required volume = 8,513 - 4284 = 4,229 ft³

use maximum depth of 2', vol = 7,590 ft³
minimum depth of 1.25', vol = 4,358 ft³

Note: if dikes are to be used around the pond, they shall have a min. top width of 5 feet and a paved overflow section shall be constructed.

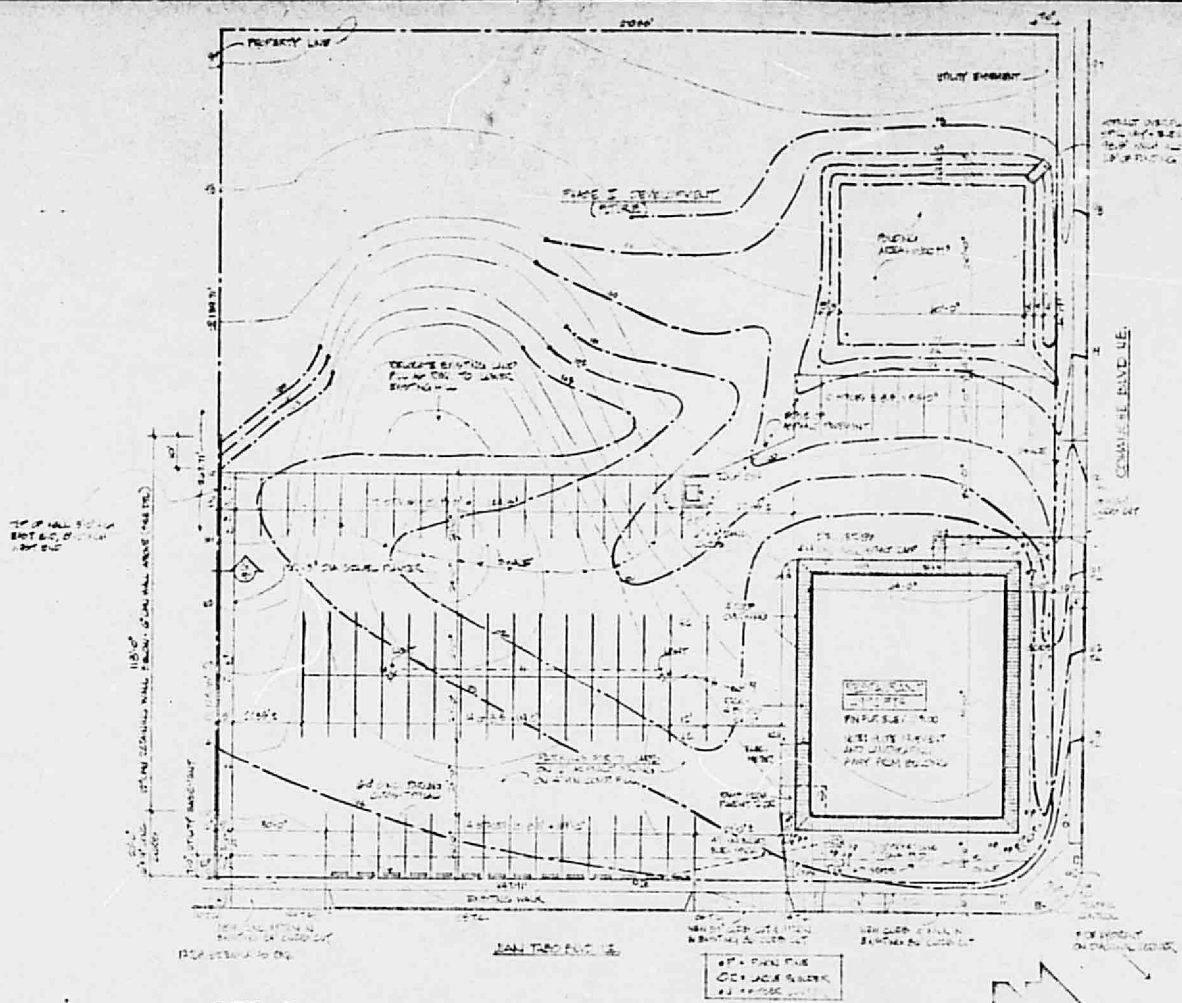


Use max. sideslope 2 horiz. to 1 vertical east side

3 horiz. to 1 vertical north & west sides

6 horiz. to 1 vertical south side.

C-2
CODA
DEVELOPMENT
SUBD
SU-1
O-1
SAN GABRIEL VILLAGE UNIT 4 ADDN
TOLEDO SUBD
SAN GABRIEL VILLAGE ADDN
SAN GABRIEL VILLAGE UNIT 3
SAN GABRIEL VILLAGE UNIT 2
SAN GABRIEL VILLAGE UNIT 1
MITCHELL ELEM SCH
R-2
R-3
C-1
MESA
ARRIBA
ADDN
LA REINA
DE LOS ALTOS
UNIT 1
UNIT 2
CANYON CREST
JOE D. BROWN PARK
PARK
HOLLOW
EL DORADO
PLATE I
G-21-7



SITE PLAN 1" = 50'

(SEE EXHIBIT #2 FOR VICINITY SITE PLAN)

ZONE - [illegible]

[illegible]

[illegible]

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