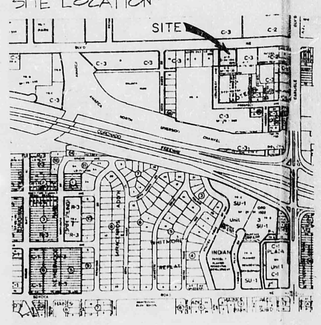
HYDROLOGY

H16/D48
1 PLAN

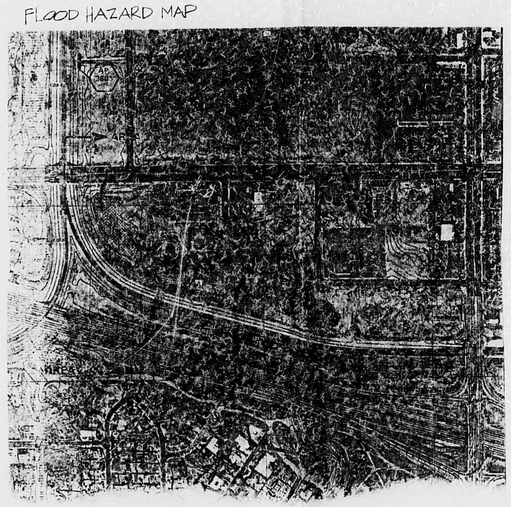
H16/D48

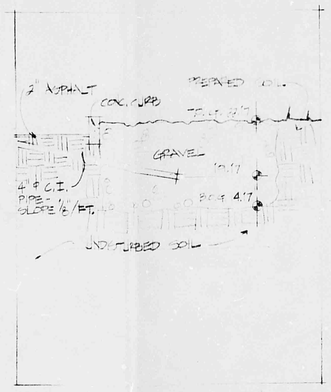
1 PLAN

SITE LOCATION



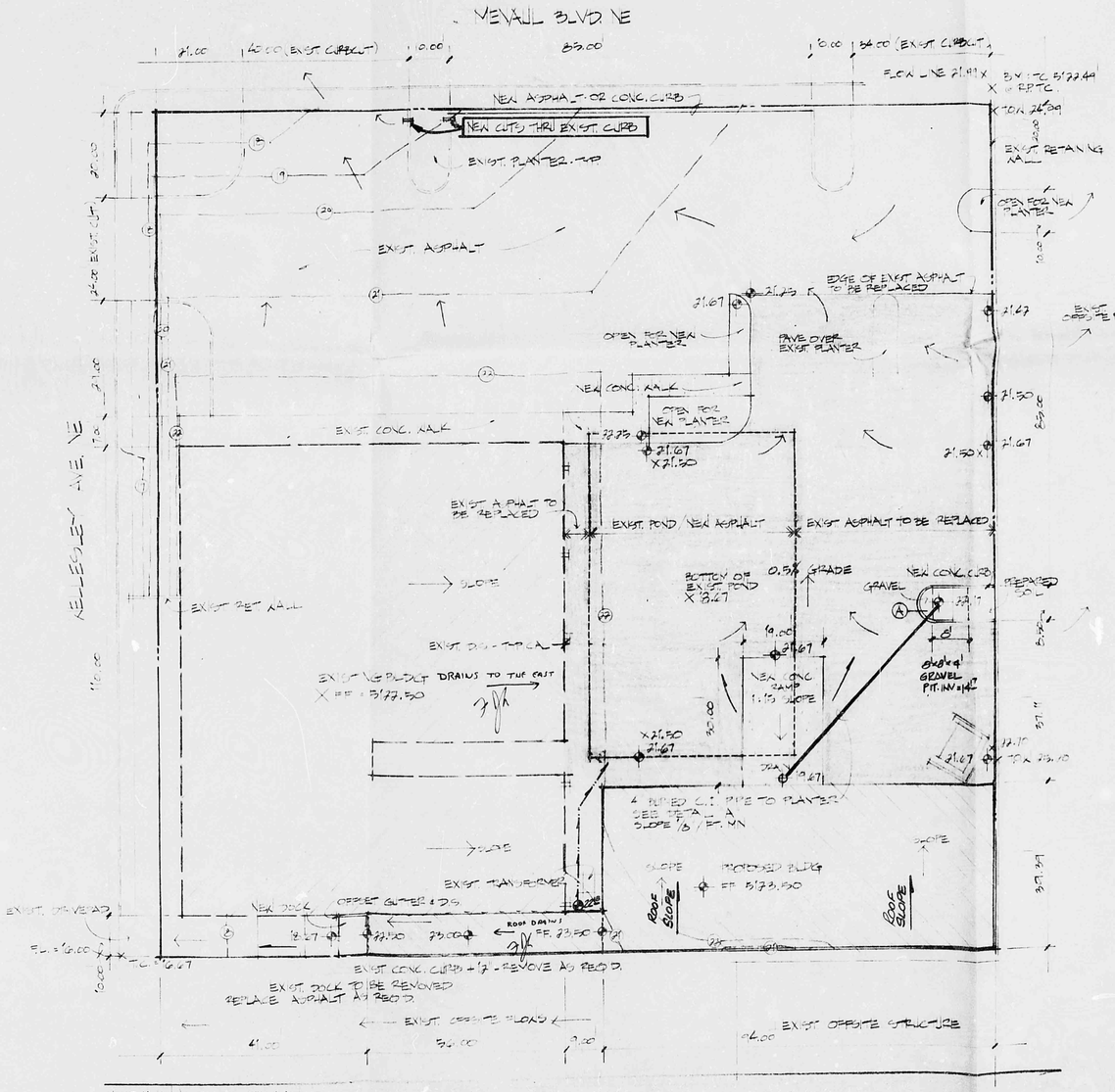
FLOOD HAZARD MAP





ODE OUTFALL DETAIL A

NO SCALE



DRAINAGE PLAN

NOTES

1. LEGAL [illegible] ADDITION
TRACT [illegible]
ALBUQUERQUE, [illegible]
ADDRESS: [illegible] NE
2. BENCH MARK: [illegible] COR. WENAUL & CARLISLE
ELEV. = [illegible]
3. T.B.M. T.C. @ NE CORNER OF SITE @ PEDESTRIAN INTERSECTION
= 5120.49
4. SCS SOIL TYPE: COLLINS NO. 31 HYDROLOGIC SOIL GROUP 'A'.
5. SITE IS NOT LOCATED IN FLOOD HAZARD AREA
6. PURPOSE OF PLAN: [illegible] GRADING PLAN TO [illegible] ADDITION TO [illegible] & REMOVAL OF EXISTING POND AREA. [illegible] WITH EXISTING WITH CITY HYDROLOGY [illegible] SITE IS TO BE GRADED TO DRAIN TO [illegible] WITH NO PONDING.
7. OFFSITE FLOWS: THERE IS NOT EXPECTED ALL OFFSITE FLOWS ROUTED TO [illegible] STREETS.
8. SURVEY PER [illegible] & AS-BUILT DRAWINGS.

LEGEND

x 12.0	EXISTING GRDT ELEVATION
	EXISTING CONTOUR
12.0	PROPOSED GRDT ELEVATION
	PROPOSED CONTOUR - FINISHED
	SURFACE DRAINAGE DIRECTION
	PAVED PARKING AREA - PROPOSED NEW ASPHALT
	BUILDING - PROPOSED
	BUILDING - EXISTING
	EXISTING CONC. CURB
	PROPOSED CONC. CURB
	EDGE OF EXIST POND (TO BE PAVED)

DRAINAGE

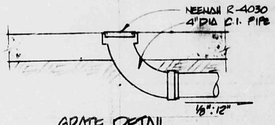
1. FILL POND & FREE DISCHARGE DEVELOPMENT DUE TO DOWNSTREAM IMPROVEMENTS TO NORTH DIVERSION CHANNEL VIA MENAUL BLVD.

2. TRUCK RAMP DRAINAGE CALCS:
DISCHARGE TO EVAPO-TRANSPIRATION
POND VOLUME = (1.0)(30)(23/12) = 109 c.ft
GRAVEL VOLUME REQ'D = 109/0.4 = 273 cu FT.

$Q = CIA = (1.0)(2.11)(23)(1.0)(30)(1/43560) = 0.1$ c.f.s.

$Q = \frac{0.462}{n} d^{1.5} S_0^{1/2} = 0.2$ c.f.s > 0.1 c.f.s. OK

GRAVEL PIT DIMENSIONS
8'x8'x5' = 320 c.ft > 273 c.ft OK



GRATE DETAIL
1"=1'-0"

1/16" = 1'-0"

H16-048

RECEIVED
OCT 25 1983
ENGINEERING

ANDRE HOJILLA
NEW MEXICO
7876
REGISTERED PROFESSIONAL ENGINEER
10-25-83

AN ADDITION TO THE CHEESECAKE FACTORY
FOR MR. H. VAGER
24 OCT 1983
DRAINAGE PLAN SHEET 1A