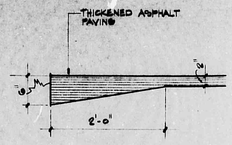
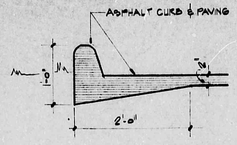
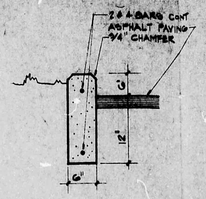


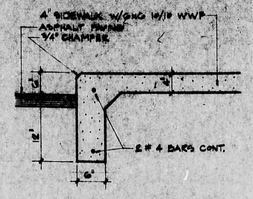
1/2 DETAIL @ ASPHALT PAVING 1"=1'-0"



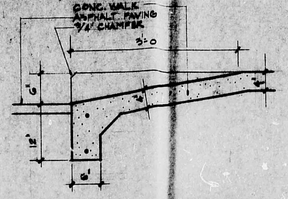
2/2 DETAIL @ CURB 1"=1'-0"



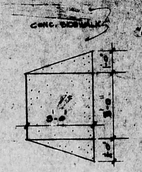
3/2 DETAIL @ CURB 1"=1'-0"



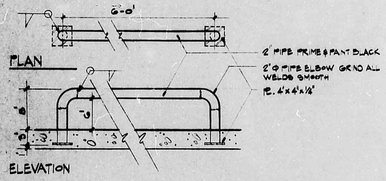
4/2 DETAIL @ CURB 1"=1'-0"



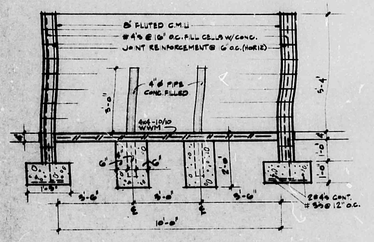
5/2 DETAIL @ DROP CURB 1"=1'-0"



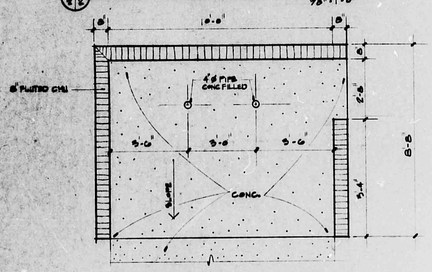
PLAN @ DROP CURB 1/2"=1'-0"



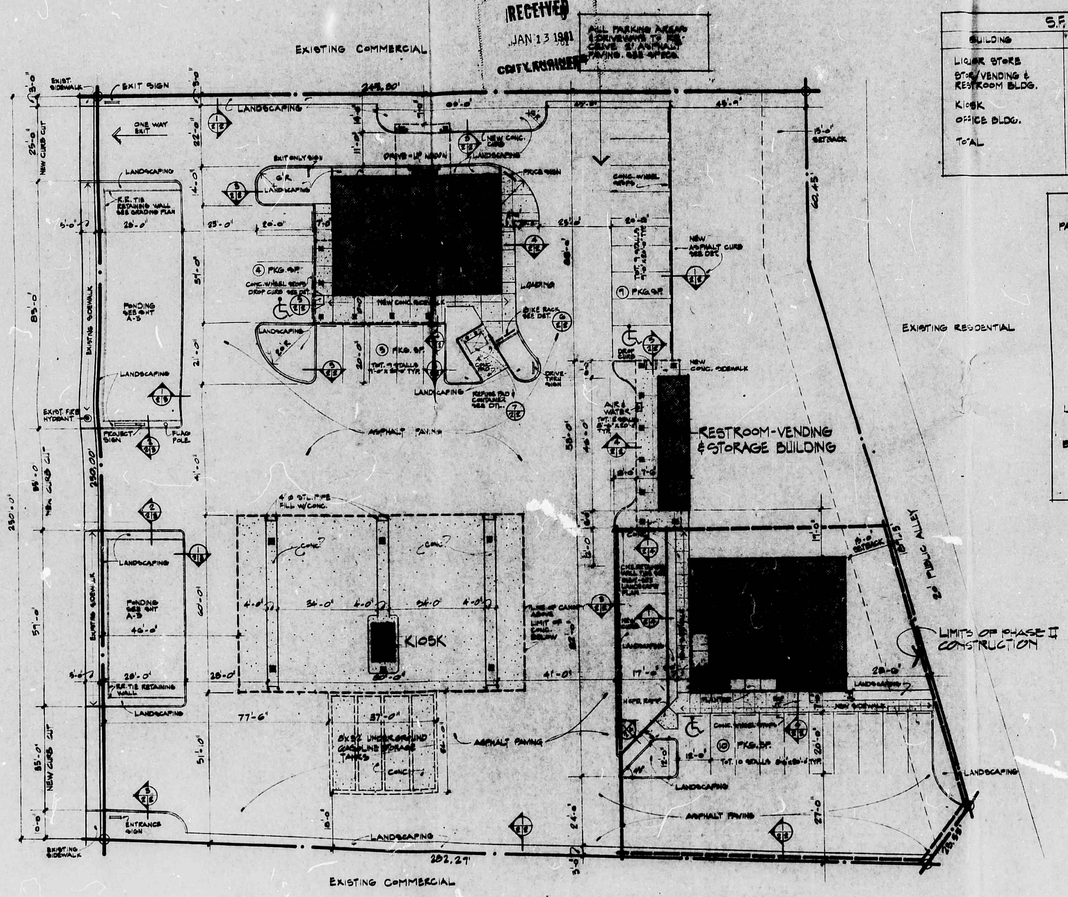
6/2 DETAIL @ BIKE RACK 1"=1'-0"



7/2 SECTION @ REFUSE CONTAINER & PAD 3/8"=1'-0"



PLAN @ REFUSE CONTAINER & PAD 3/8"=1'-0"



SITE PLAN - LIQUOR STORE - GAS STATION & OFFICE BUILDING 1"=20'-0"

S.F. CALCULATIONS		
BUILDING	S.F. BUILDING	TOTAL HEATED
LIQUOR STORE	2423.0	2423.0
STOR./VENDING & REST ROOM BLDG.	511.66	148.4
KIOSK	104.0	104.0
OFFICE BLDG.	2000.0	2000.0
TOTAL		4675.4

SITE DEVELOPMENT

PARKING REQUIREMENTS

LIQUOR STORE	12 REQ'D 19 PROVIDED
STOR./VENDING & REST RM. BLDG	0 REQ'D 2 PROVIDED
KIOSK	0 REQ'D
OFFICE BLDG.	10 REQ'D 10 PROVIDED
TOTAL	22 REQ'D 30 PROVIDED
HANDICAPPED	1 REQ'D 3 PROVIDED
LANDSCAPING	476 SF REQ'D 5450 PROVIDED
BICYCLE PARKING	BICYCLE RACK PROVIDED

EXISTING RESIDENTIAL

RECEIVED
JAN 13 1981
CITY ENGINEER

RECEIVED
JAN 1 1981
CITY ENGINEER

PROJECT: ROBERTS OIL LIQUOR STORE & GAS STATION
OWNER: BILL ROBERTS
TITLE: SITE PLAN

GATHMAN-MATOTAN ARCHITECTS PLANNERS INC.

STATE OF NEW MEXICO — L. PATRICK AFFELDT — REGISTERED ARCHITECT

SHEET 2

D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

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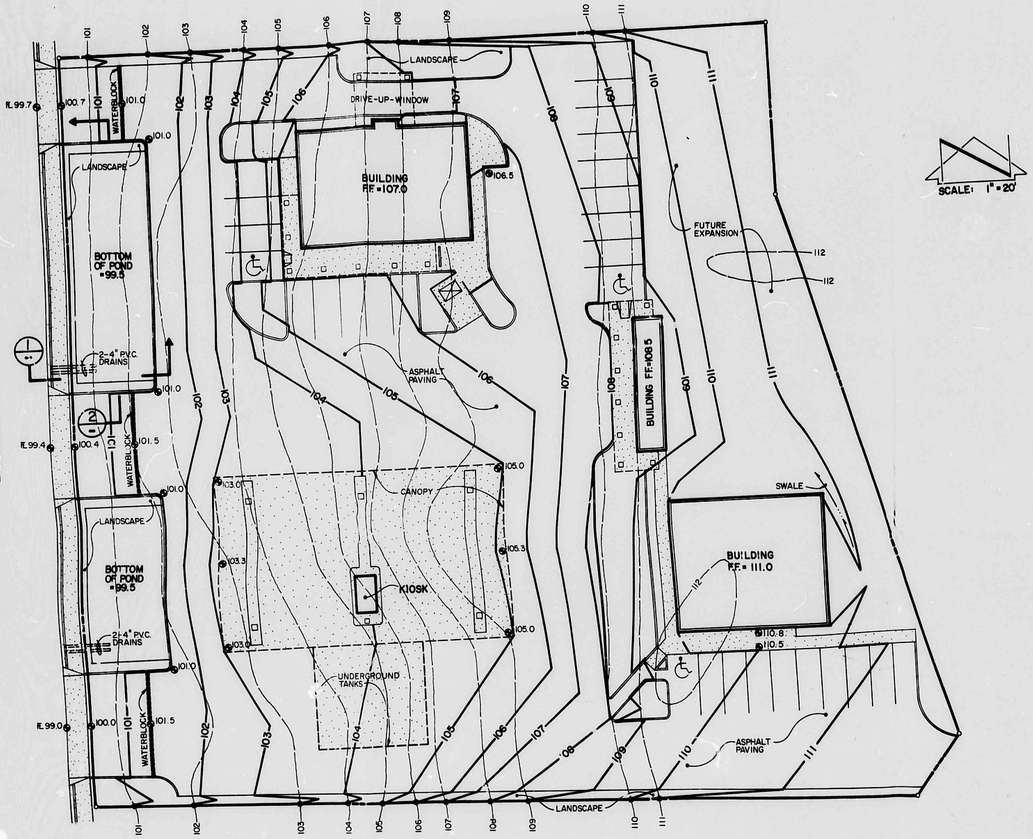


SCALE: 1" = 20'

Drainage Plan

The following items concerning the Robert's Oil drainage plan are contained hereon:

1. Vicinity Map
2. Flood Hazard Map
3. Grading Plan
4. Calculations

The proposed buildings are located on the east side of Eubank Boulevard, N.E., north of Constitution. The buildings will be used as a service station with an associated storage and package store. Parking will be provided for the customers and employees adjacent to the buildings.

The land to the east of the project site is single-family residences. A 20-foot wide dirt alley separates the residential area from this project. Block walls along the rear of the residences effectively stops drainage from entering the site from the east. The land to the south is undeveloped at this time and is lower than the project site. Eubank Boulevard runs along the west property line and is lower than the project site. The land to the north is occupied by a commercial store with parking facilities. The land is approximately parallel to or slightly higher than the project site. Any flows that enter from the north will be directed through the drainage facilities. The majority of the flow from the northern property is directed away from the project site. Therefore, runoff from adjacent sites is negligible. The project 1) does not lie in a flood plain, 2) does not lie adjacent to a natural or artificial water course, and 3) has no drainage easements on the property.

The land slopes from east to west. The proposed construction will utilize the natural grade. Erosion will not result from upland runoff or the proposed construction activities.

The Grading Plan shows 1) existing contours at 1'-0" intervals, 2) proposed grades indicated by spot elevations and contours, 3) swales, 4) continuity between proposed and existing elevations, 5) that sidewalks are adjacent to the curb, 6) that all runoff will be conveyed into ponds before leaving the site, and 7) that retaining walls will be required only inside the pond areas.

The runoff from the additional impervious areas will be retained in ponds along the west property line. The ponds will retain in excess of 100 percent of the runoff that results from a 100 year frequency storm. The ponds are not greater than 18 inches in depth; therefore, fencing is not required.

CALCULATIONS

Area = $183 \times \frac{250+260}{2} + 60 \times 62 + 203 \times \frac{62+119}{2} = 68,756$ s.f. = 1.58 ac.

Pervious Area = 9,169 s.f. = 0.21 ac.

Composite 'C' = $\frac{0.21}{1.58}(0.4) + \frac{1.37}{1.58}(0.9) = 0.83$

Allowable Discharge = 0.40 (2.82) 1.58 = 1.78 cfs.

$Q_o = \frac{1.78}{0.83 \times 1.58} = 1.36$

$T = -25 + \sqrt{7,087.5/Q_o} = 47$ min.

$V_s = \frac{11,340T}{T+25} - 40\ Q_oT = 4,846$

$V_t = 4,846 \times 0.83 \times 1.58 = 6,355$ c.f.

Orifice: $Q = 19.636\ kd^2\sqrt{h}\ /7.5x60$

$Q = 19.636\ (0.61)(4)^2\sqrt{1}\ /7.5 \times 60 = 0.43$ c.f.s.

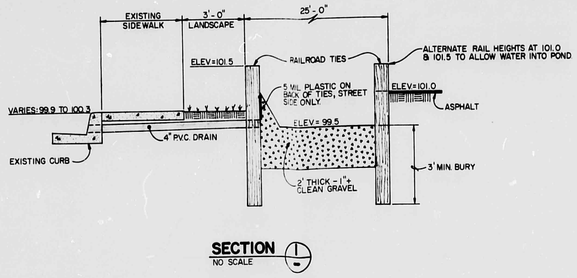
Use 4'-4" PVC drains

Pond Volumes:

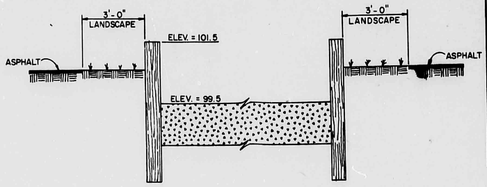
$25x69x1.5 + 25x69x2x\frac{1}{3} = 3,738$ c.f.

$25x54x1.5 + 25x54x2x\frac{1}{3} = 2,925$ c.f.

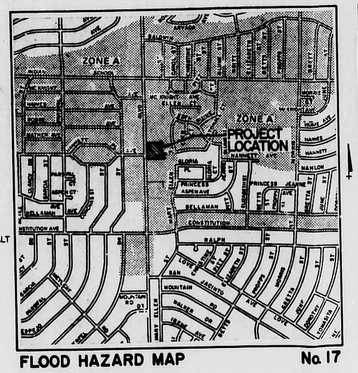
Total 6,663 c.f.



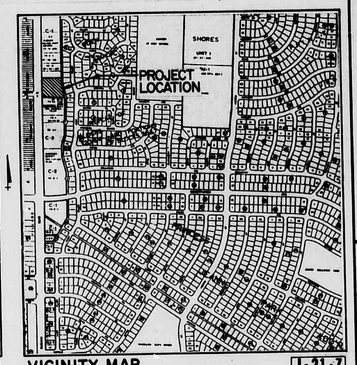
SECTION 1 NO SCALE



SECTION 2 NO SCALE



FLOOD HAZARD MAP No. 17



VICINITY MAP J-21-Z

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR — STATE OF NEW MEXICO — THOMAS J. MANN, JR. 7521

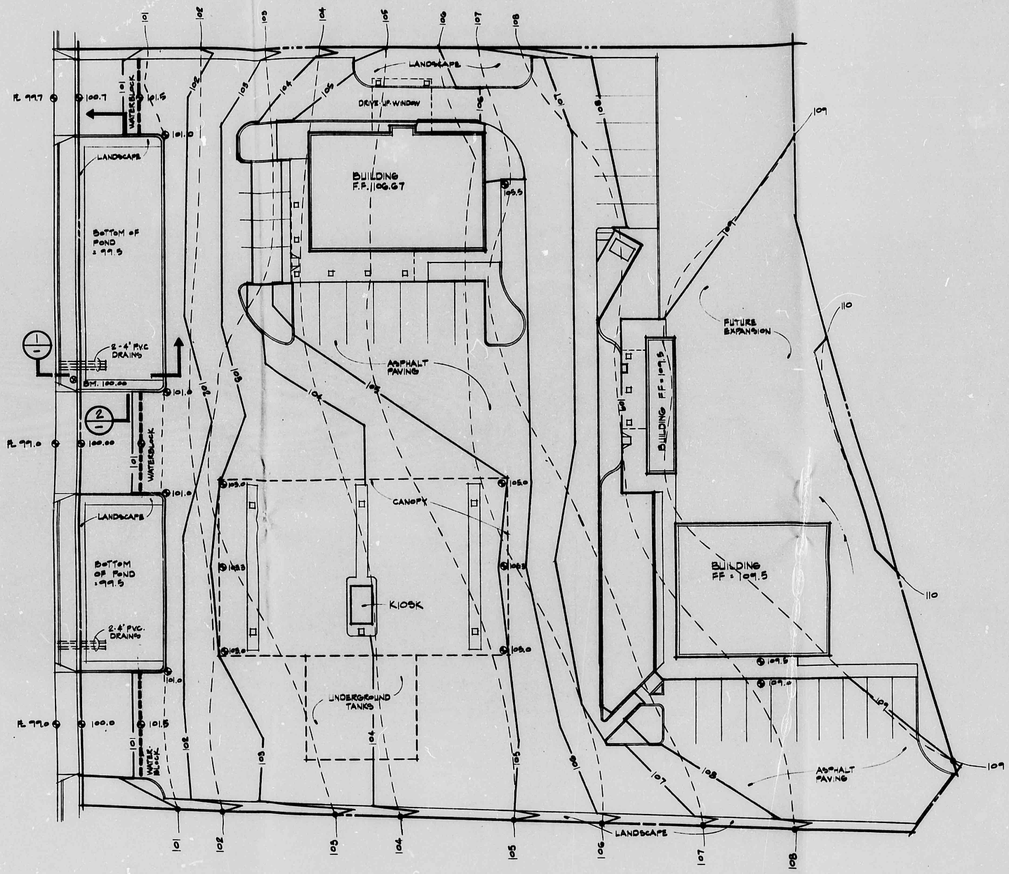
JOB No. 0-124

PROJECT	ROBERTS OIL - OFFICE BLDG LIQUOR STORE & GAS STATION
OWNER	BILL ROBERTS
TITLE	GRADING PLAN
JOB NUMBER	89
DATE	12-1-89 12-8-89 FOUNDATION PERMIT
DRAWN	RG
CHECKED	TM

GATHMAN·MATOTAN ARCHITECTS·PLANNERS INC.
230 TRUMAN N.E. ALBUQUERQUE, NEW MEXICO 87108 TELEPHONE (505)265-8528

SHEET 3 OF

D 24 C 20 B 16 A 12 | CITY OF ALBUQUERQUE | C D



REVISED GRADING PLAN

1"=20'-0"

PROJECT ROBERT'S OIL
LIQUOR STORE & GAS STATION

OWNER BILL ROBERTS

TITLE REVISED GRADING PLAN

JOB NUMBER 90

DATE 1-6-91

DRAWN TB

CHECKED LPA

GATHMAN-MATOTAN
ARCHITECTS-PLANNERS INC.

TELEPHONE (505) 268-2228
220 TRUMAN N.E., ALBUQUERQUE, NEW MEXICO 87108

SHEET 3

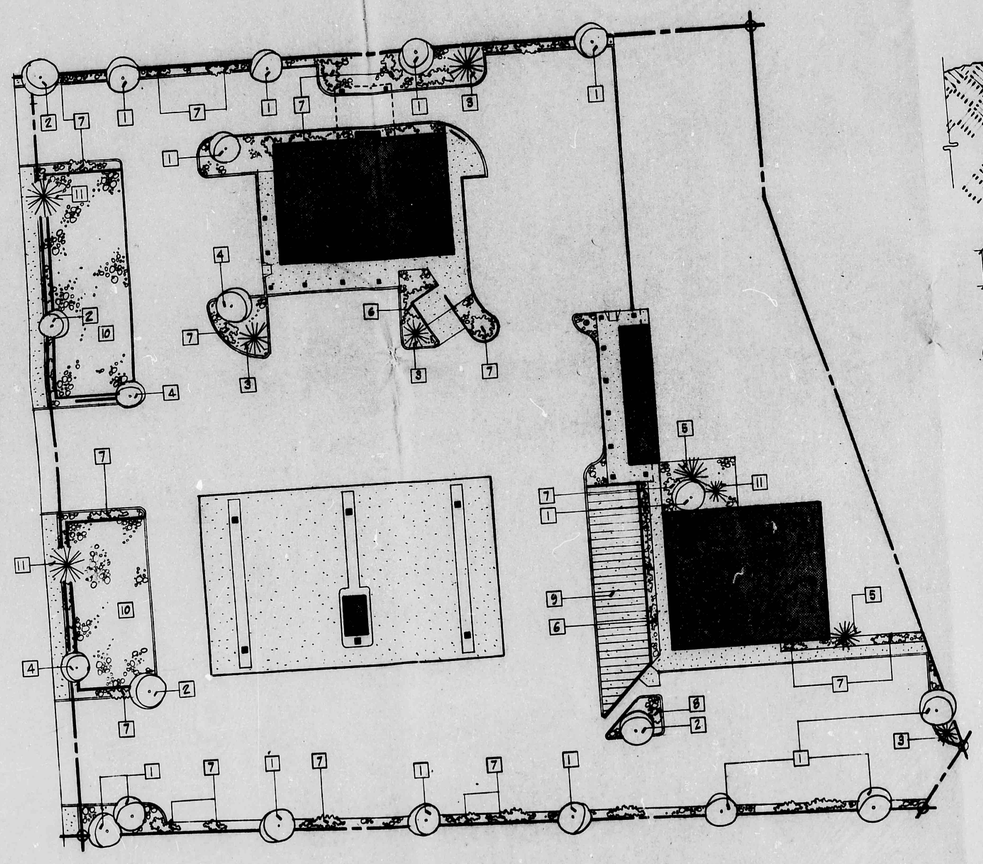
LANDSCAPE SCHEDULE

NO.	NAME (COMMON)	HT.	CONTAINER	CALIPER	QUANTITY	REMARKS
1	RUSSIAN OLIVE	10'-12'	24" BOX	1½" MIN	13	
2	HONEY LOCUST	10'-12'	24" BOX	1½" MIN	4	
3	JAPANESE BLACK PINE	10'-12'	8 & B	1½" MIN	3	
4	FLOWERING CRABAPPLE	8'-10'	8 & B	1½" MIN	3	
5	PONDEROSA PINE	12'-15'	8 & B	2" MIN	2	
6	PYRACANTHA	—	5 GAL	—	10	
7	PFITZER JUNIPER	—	5 GAL	—	64	
8	COTONEASTER	—	5 GAL	—	6	
9	SOD	—	—	—	—	
10	GRAVEL	—	—	—	—	
11	PINON PINE	8'-10'		1½" MIN	3	

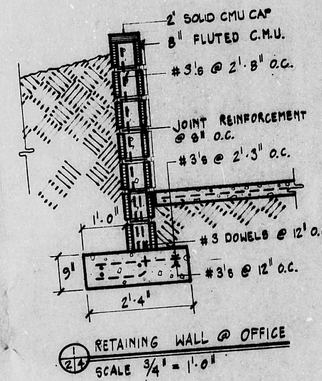
LEGEND

SYMBOL	DESCRIPTION
	DECIDUOUS TREES
	EVERGREEN TREES
	SHRUBS
	SOD
	GRAVEL

NOTE:
ALL LANDSCAPED AREAS TO BE IRRIGATED W/ SPRINKLER SYSTEM



LANDSCAPE PLAN
SCALE 1" = 20'-0"



RETAINING WALL @ OFFICE
SCALE ¾" = 1'-0"

JOB NUMBER 55
DATE 12-1-80 FOUNDATION PERMIT
12-8-80
DRAWN J.S.B.
CHECKED L.G.M.

PROJECT ROBERT'S OIL - OFFICE BLDG
LIQUOR STORE & GAS STATION
OWNER BILL ROBERTS
TITLE LANDSCAPE PLAN

GATHMAN-MATOTAN
ARCHITECTS-PLANNERS INC.
230 TRUMAN N.E. ALBUQUERQUE, NEW MEXICO 87108
TELEPHONE (505) 266-5939

STATE OF NEW MEXICO
L. GATHMAN
REGISTERED ARCHITECT
1224

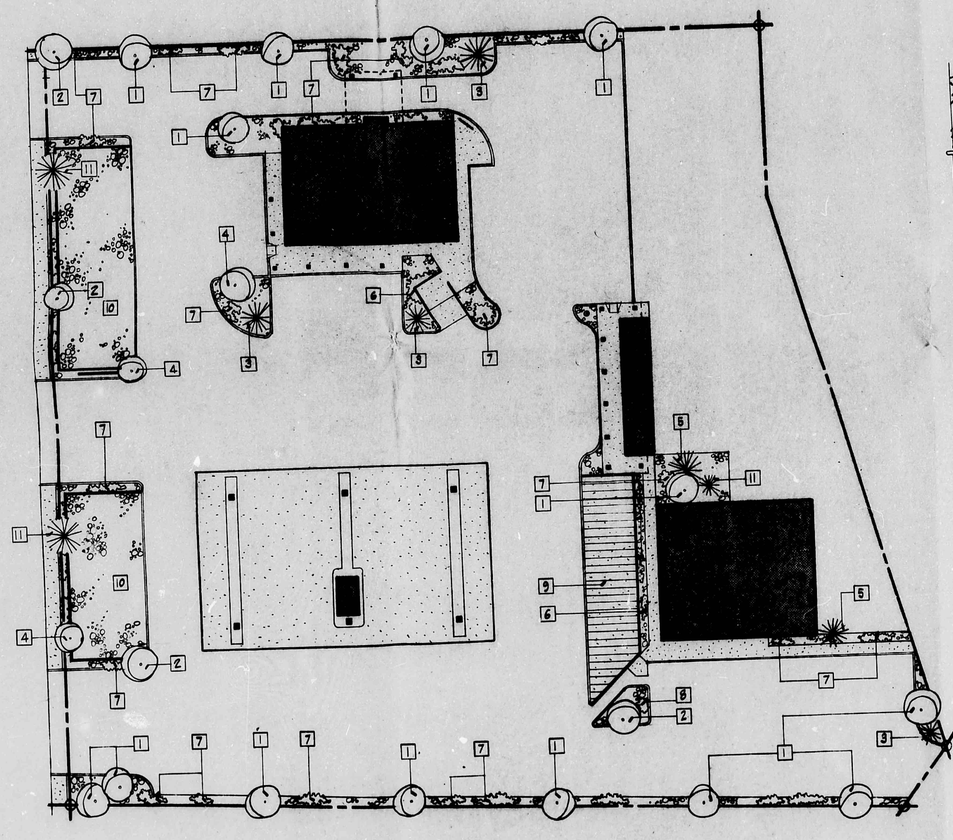
SHEET 4 OF 11

LANDSCAPE SCHEDULE

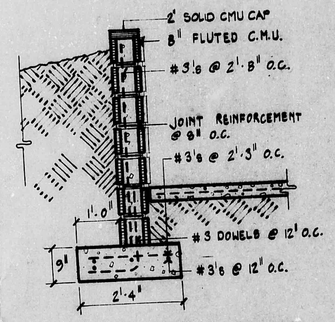
NO.	NAME (COMMON)	HT.	CONTAINER	CALIPER	QUANTITY	REMARKS
1	RUSSIAN OLIVE	10'-12'	24" BOX	1½" MIN	18	
2	HONEY LOCUST	10'-12'	24" BOX	1½" MIN	4	
3	JAPANESE BLACK PINE	10'-12'	8 & B	1½" MIN	3	
4	FLOWERING CRABAPPLE	8'-10'		1½" MIN	3	
5	PONDEROSA PINE	12'-15'	8 & B	2" MIN	2	
6	PYRACANTHA	—	5 GAL	—	10	
7	PFITZER JUNIPER	—	5 GAL	—	64	
8	COTONEASTER	—	5 GAL	—	6	
9	SOD	—	—	—	—	
10	GRAVEL	—	—	—	—	
11	PINON PINE	8'-10'		1½" MIN	3	

LEGEND	
SYMBOL	DESCRIPTION
	DECIDUOUS TREES
	EVERGREEN TREES
	SHRUBS
	SOD
	GRAVEL

NOTE:
ALL LANDSCAPED AREAS TO BE IRRIGATED W/SPRINKLER SYSTEM



LANDSCAPE PLAN
SCALE 1" = 20'-0"



2/A4 RETAINING WALL @ OFFICE
SCALE 3/4" = 1'-0"

JOB NUMBER 55
DATE 12-1-80 12-8-80 FOUNDATION PERMIT
DRAWN J.G.B.
CHECKED G.P.A.

PROJECT ROBERTS OIL - OFFICE BLDG LIQUOR STORE & GAS STATION
OWNER BILL ROBERTS
TITLE LANDSCAPE PLAN

GATHMAN-MATOTAN ARCHITECTS-PLANNERS INC.
230 TRUMAN N.E., ALBUQUERQUE, NEW MEXICO 87108
TELEPHONE (505) 266-5623

STATE OF NEW MEXICO
L. PAYNE MATOTAN
1224
REGISTERED ARCHITECT

SHEET 4 OF 22