HYDROLOGY

G22/D9A

ONE PLAN

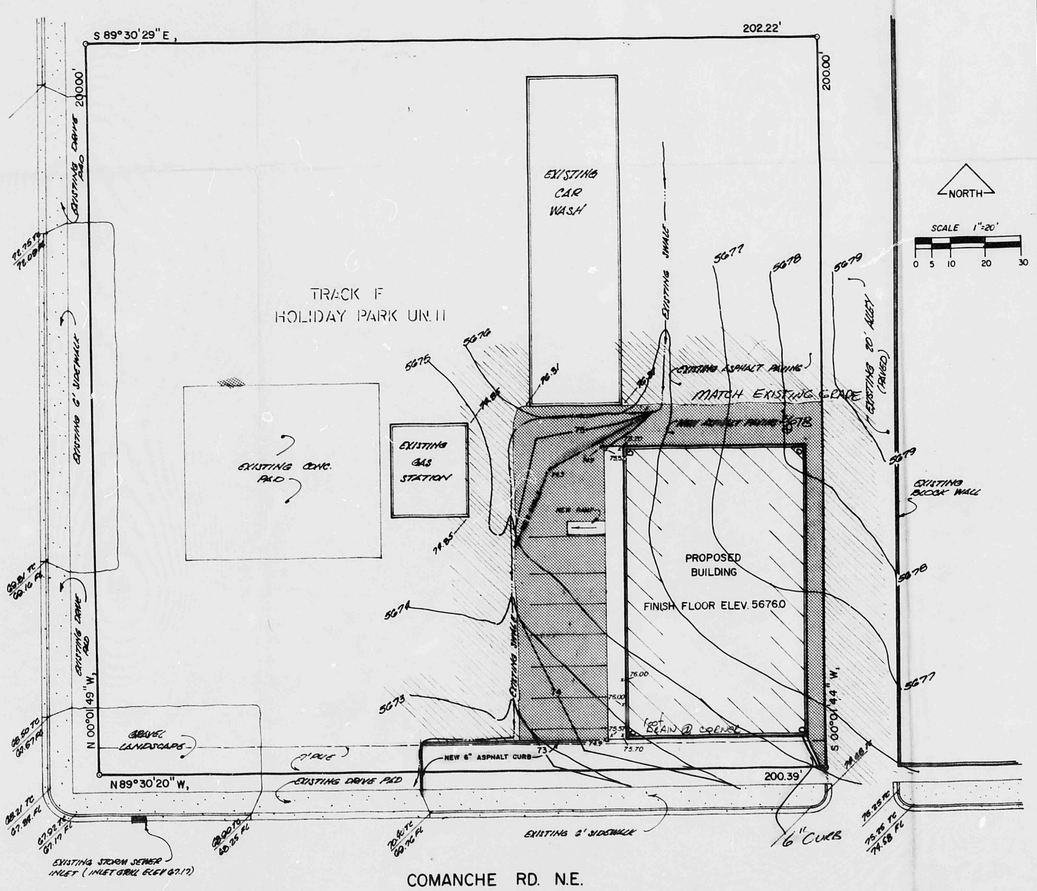
AUTO PARTS STORE -

ROBERTS OIL

G22 - D9A

1 PLAN

GRADING & DRAINAGE PLAN



CALCULATIONS

DRAINAGE CALCULATIONS FOR TRACT F BLOCK 1 of HOLIDAY PARK UNIT 11

ROBERTS OIL AUTO PARTS

Existing conditions		Proposed Conditions	
Buildings	2,775 sq. ft.	Buildings	6,775 sq. ft.
Concrete	2,853 sq. ft.	Concrete	3,278 sq. ft.
Paving	-24,332 sq. ft.	Paving	28,267 sq. ft.
	29,960 total C = 1.0		38,320 total
Open Landscaping	1,300 sq. ft.	Open Landscaping	1940sq. ft.
Vacant Land	9,000 sq. ft.	No Vacant land remaining	

Q = C I A for buildings, concrete, paving
Q = 1.0 x 5.4 x 29960/43560 = 3.7 cfs — Q = 1.0 x 5.4 x 38320/43560 = 4.7 cfs

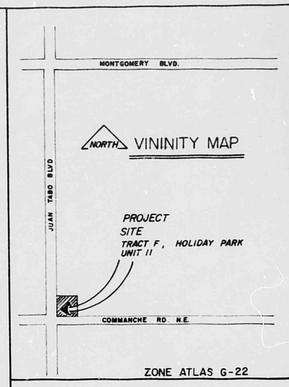
Q = C I A for Open Landscaping
Q = 0.4 x 5.4 x 1300/43560 = 0.06 cfs — Q = 0.4 x 5.4 x 1940/43560 = 0.1 cfs

Q = C I A for Vacant Land
Q = 0.3 x 5.4 x 9000/43560 = 0.33 cfs — Q = 0.0 cfs

TOTAL Q = 4.1 cfs — TOTAL Q = 4.8 cfs

Total Increase = 0.7 cfs

Percent of Increase = 17% of existing



ZONE ATLAS G-22

LEGEND

EXISTING CONTOUR LINE 5678
DESIGNED CONTOUR LINE 75
EXISTING SPOT ELEVATION 76.91
DESIGNED SPOT ELEVATION 76.00
TOP OF CURB TC
FLOW LINE FL

G22-D9a

RECEIVED AUG 29 1983 ENGINEERING

AS BUILT INFORMATION

		DATE
CONTRACTOR		
WORK STAKED BY		
INSPECTOR'S ACCEPTANCE BY		DATE
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

BENCH MARK NO 2-G22, ELEVATION 5688.19
LOCATION: SOUTH SIDE OF THE INTERSECTION OF JUAN TABO BLVD. N.E. AND COMANCHE RD N.E.
DESCRIPTION: BRASS TALLOT STAMPED "ACS 2-G22-A 1978", SET FLUSH WITH CURB.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

Richard J. Berry, New Mexico, Registered Professional Engineer, 7844
Aug 29 1983

REVISIONS

NO.	DATE	REMARKS	BY

DESIGNED BY	RICHARD HALL	DATE	AUG 1983
DRAWN BY	HERMAN ROSS	DATE	AUG 1983
CHECKED BY	RICHARD HALL	DATE	AUG 1983

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: AUTO PARTS STORE
ROBERTS OIL
GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO. | MAP NO. | SHEET OF

G22/D9A