



FRIM MAP: 35001C0119G

Location
The site is located at northeast corner of 2nd St. and Griegos Rd. contains ±.4249 acres. See attached portion of Vicinity Map G-14-Z for exact location.

Purpose
The purpose of this submittal is to present an as-built grading and drainage for this existing site. We are requesting approval of the existing grades.

Existing Drainage Conditions
This site is fully developed and drains both to Second Street and Griegos Road. Small portion of the runoff drains to the existing Alley to the east. The Alley drains north and south. No offsite runoff enter this site. This site at existing conditions (based on 100-year, 6-hour storm) generates a runoff of 1.93 cfs. According to FIRM map number 35001C0119G, map revised September 26, 2008, the site does not fall within a 100-year floodplain.

Calculations
City of Albuquerque, Development Process Manual, Section 22.2, Hydrology Section, was used for runoff calculations. See this plan for AHYMO input and Summary output files.

BASIN AREA			
BASIN	AREA (SF)	AREA (AC)	AREA (MI ²)
ON-SITE	18,510.63	0.42429	0.000664

HISTORICAL			
BASIN	Q-100 (CFS)	Q-10 (CFS)	TREATMENT A, B, C, D
ON-SITE	0.67	0.16	100% , 0%, 0%, 0%

EXISTING / DEVELOPED			
BASIN	Q-100 (CFS)	Q-10 (CFS)	TREATMENT A, B, C, D
ON-SITE	1.93	1.25	0%, 5%, 5%, 90%

* ZONE 2

* 100-YEAR, 6-HR STORM (UNDER EXISTING CONDITIONS) *

START TIME=0.0
RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=2.01 IN RAIN SIX=2.35 IN
RAIN DAY=2.75 IN DT=0.03333 HR
* ON-SITE
COMPUTE NM HYD ID=1 HYD NO=100.0 AREA=0.000664 SQ MI
PER A=100.00 PER B=0.00 PER C=0.00 PER D=0.00
TP=0.1333 HR MASS RAINFALL=-1

* 10-YEAR, 6-HR STORM (UNDER EXISTING CONDITIONS) *

START TIME=0.0
RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=1.34 IN RAIN SIX=1.57 IN
RAIN DAY=1.83 IN DT=0.03333 HR
* ON-SITE
COMPUTE NM HYD ID=1 HYD NO=110.0 AREA=0.000664 SQ MI
PER A=100.00 PER B=0.00 PER C=0.00 PER D=0.00
TP=0.1333 HR MASS RAINFALL=-1

* 100-YEAR, 6-HR STORM (UNDER PROPOSED CONDITIONS) *

START TIME=0.0
RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=2.01 IN RAIN SIX=2.35 IN
RAIN DAY=2.75 IN DT=0.03333 HR
* ON-SITE
COMPUTE NM HYD ID=1 HYD NO=100.1 AREA=0.000664 SQ MI
PER A=0.00 PER B=5.00 PER C=5.00 PER D=90.00
TP=0.1333 HR MASS RAINFALL=-1

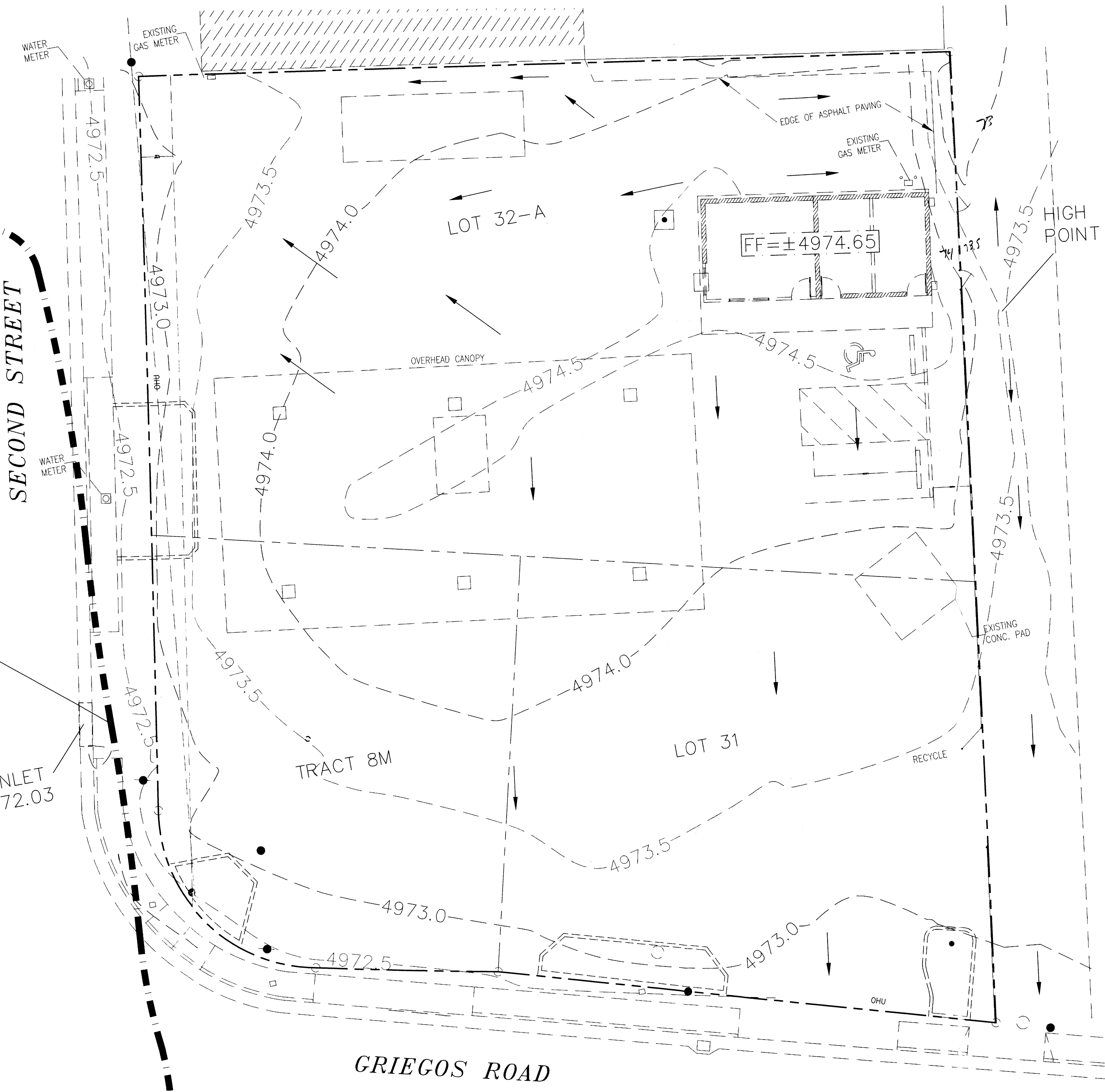
* 10-YEAR, 6-HR STORM (UNDER PROPOSED CONDITIONS) *

START TIME=0.0
RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=1.34 IN RAIN SIX=1.57 IN
RAIN DAY=1.83 IN DT=0.03333 HR
* ON-SITE
COMPUTE NM HYD ID=1 HYD NO=110.1 AREA=0.000664 SQ MI
PER A=0.00 PER B=5.00 PER C=5.00 PER D=90.00
TP=0.1333 HR MASS RAINFALL=-1

FINISH

EXISTING FLOODPLAIN LIMITS
ZONE AH
(EL=4972)

EXISTING INLET GRATE=4972.03

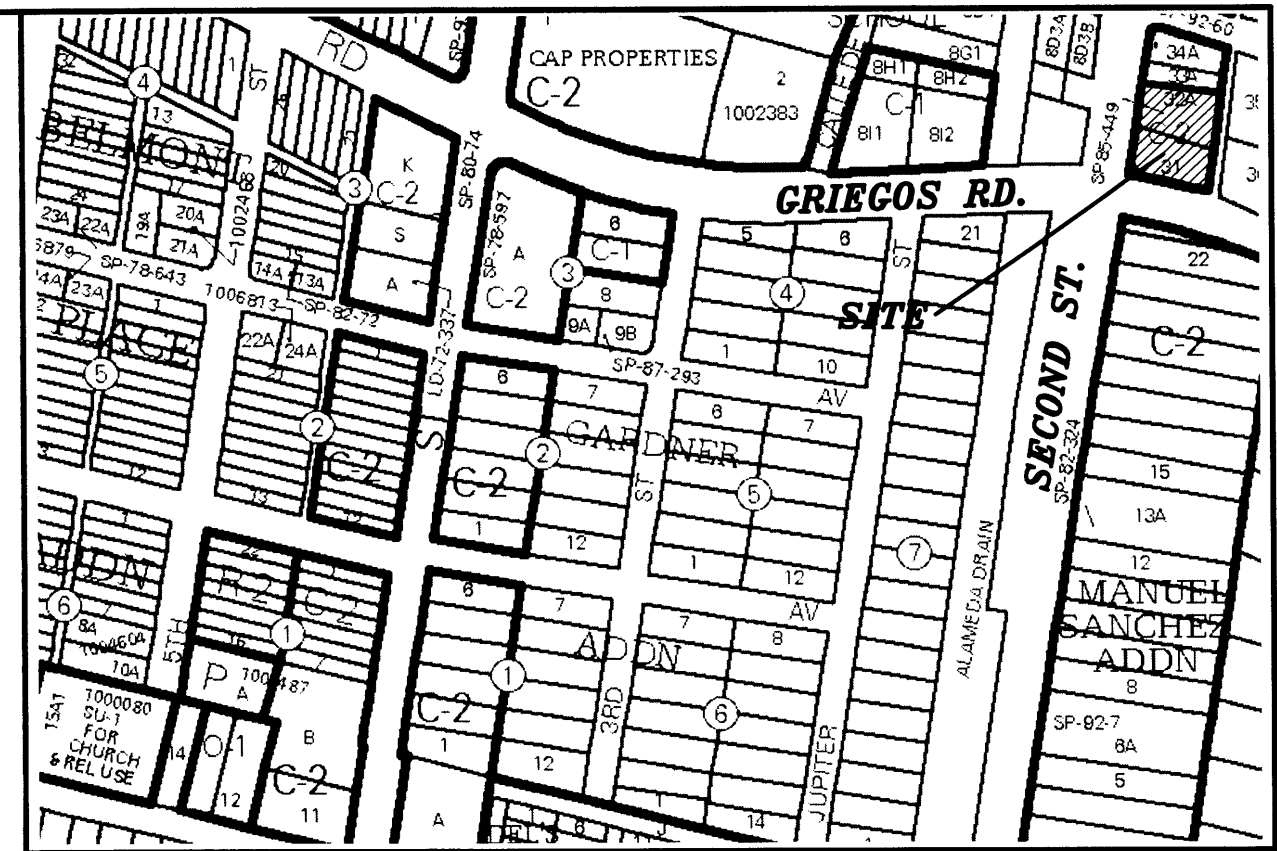


AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) -
INPUT FILE = 2010

- VERSION: 1997.02d

RUN DATE (MON/DAY/YR) =03/03/2010
USER NO.= AHYMO-I-9702c01000R31-AH

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 1	NOTATION
START RAINFALL TYPE= 1										TIME=	.00
COMPUTE NM HYD	100.00	-	1	.00066	.67	.019	.53121	1.533	1.573	RAIN6=	2.350
START RAINFALL TYPE= 1										TIME=	.00
COMPUTE NM HYD	110.00	-	1	.00066	.16	.004	.12517	1.533	.377	RAIN6=	1.570
START RAINFALL TYPE= 1										TIME=	.00
COMPUTE NM HYD	100.10	-	1	.00066	1.93	.071	1.99749	1.500	4.541	RAIN6=	2.350
START RAINFALL TYPE= 1										TIME=	.00
COMPUTE NM HYD	110.10	-	1	.00066	1.25	.044	1.24199	1.500	2.946	RAIN6=	1.570
FINISH										PER IMP=	90.00



VICINITY MAP: G-14-Z

LEGAL DESCRIPTION:
LOTS 31 & 32-A OF PLEASANT ACRES ADDITION
& TRACT 8M OF MRGCD MAP NO. 33
CONTAINING 18,510.63 SQUARE FEET (0.4249 ACRES)
MORE OR LESS.

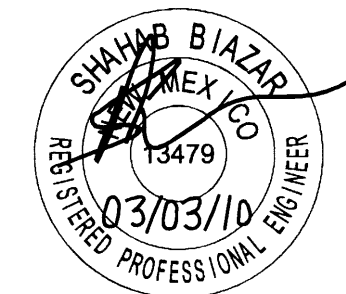
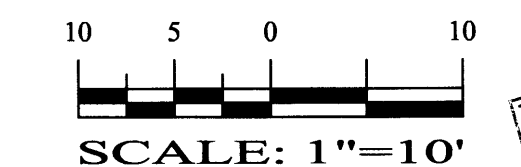
ADDRESS
169 GRIEGOS RD NW, ALBUQUERQUE, NM

GENERAL NOTES:
1: CONTOUR INTERVAL IS HALF (0.50') A FOOT.
2: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION MON-47-10 HAVING AN ELEVATION OF 4970.25 FEET ABOVE SEA LEVEL.
3: UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/ OR DEPTH PRIOR TO EXCAVATION OR DESIGN CON-SIDERATIONS.
4: THIS IS NOT A BOUNDARY SURVEY, BEARINGS ARE ASSUMED, DISTANCES AND FOUND PROPERTY CORNERS ARE FOR INFORMATIONAL PURPOSES ONLY.

LEGEND

- 5100 — EXISTING CONTOUR (MAJOR)
- 5102 — EXISTING CONTOUR (MINOR)
- — — BOUNDARY LINE
- — — EASEMENT
- — — LIMITS OF TOP OF EXISTING SLOPE
- TC — 70.90
FL — 70.40
X 70.28
X 5265.16
- PROPOSED GRADE
- PROPOSED SPOT ELEVATION
- EXISTING GRADE

GRAPHIC SCALE



**ADVANCED
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and CONSULTING, LLC**

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GRIEGOS AUTO SHOP BUILDING AS-BUILT GRADING AND DRAINAGE PLAN

DRAWING:	DRAWN BY:	DATE:	SHEET #
2010-GR.DWG	SBB	03-03-2010	1 OF 1

LAST REVISION: 03-03-2010