



VICINITY MAP: K-10-Z

LEGAL DESCRIPTION:
TRACT 60, TOWN OF ATRISCO GRANT, UNIT 6
CONTAINING 18,460.85 SQUARE FEET (0.4238 ACRES)
MORE OR LESS.

- KEYED NOTES:**
- 6" RAISED CONCRETE CURB, SEE DET: 1/C-2.
 - CONCRETE SIDEWALK, PER CITY STANDARD, REF: DWG. 2430.
 - DUMPSTER ENCLOSURE, SEE DET: 6/C-2.
 - SITE LIGHT, SEE ELECTRICAL PLANS.
 - H.C. ACCESSIBLE AISLE W/ PAINTED STRIPES SEE DET: 9/C-2.
 - H.C. PARKING SIGNAGE, TYP. (6) PLACES, SEE DET. 5/C-2.
 - PAINTED HANDICAP SYMBOL, TYPICAL SEE DET: 8/C-2.
 - H.C. ACCESSIBLE CROSSING AISLE, STRIPED, TYP SEE DET: 9/2.
 - PAINTED PARKING STRIPE, SEE DET: 7/C-2.
 - H.C. ACCESSIBLE CURB RAMP, SEE DET: 7/C-2.
 - 1'-0" RADIUS TYPICAL.
 - 2'-0" RADIUS TYPICAL.
 - NEW 3" ASPHALT PAVING OVER 4" BASE COURSE.
 - OVERHANG A MIN OF 10", TYPICAL, REF: ROOF PLAN.
 - 6" HIGH FENCE AROUND PONDING AREA.
 - LANDSCAPE AREA.
 - 4' WROUGHT IRON FENCE.
 - RAMP ACCESS PER CITY STANDARD REF: DWG. 2426.
 - FUTURE WASTE AREA.
 - ALL RAMPS TO HAVE TRUNCATED DOMES.

PARKING REQUIREMENTS:

PARKING REQUIRED:	2 PER CLASSROOM, 1 FOR EACH EMPLOYEE
PARKING PROVIDED:	5 CLASSROOMS = 10 PARKING SPACES 2 EMPLOYEES = 2 PARKING SPACES
PARKING PROVIDED:	= 10 PARKING SPACES = 1 H.C. VAN SPACE = 1 H.C. SPACE
	12 PARKING SPACES TOTAL

LANDSCAPE REQUIREMENTS:
18,145 S.F. - 5,213 S.F. = 12,932 S.F.
12,932 S.F. X 15% = 1,939 S.F.
REQUIRED LANDSCAPE AREA = 1,947 S.F.
LANDSCAPE AREA PROVIDED = 2,146 S.F.

TRAFFIC CIRCULATION LAYOUT APPROVED
[Signature] 8/17/07
[Initials]

RECEIVED
AUG 15 2007
HYDROLOGY SECTION
JAN 10 2008
LAND DEVELOPMENT SECTION

CITY OF ALBUQUERQUE
"SOLID WASTE"
MANAGEMENT DEPARTMENT
APPROVED 8/15/07

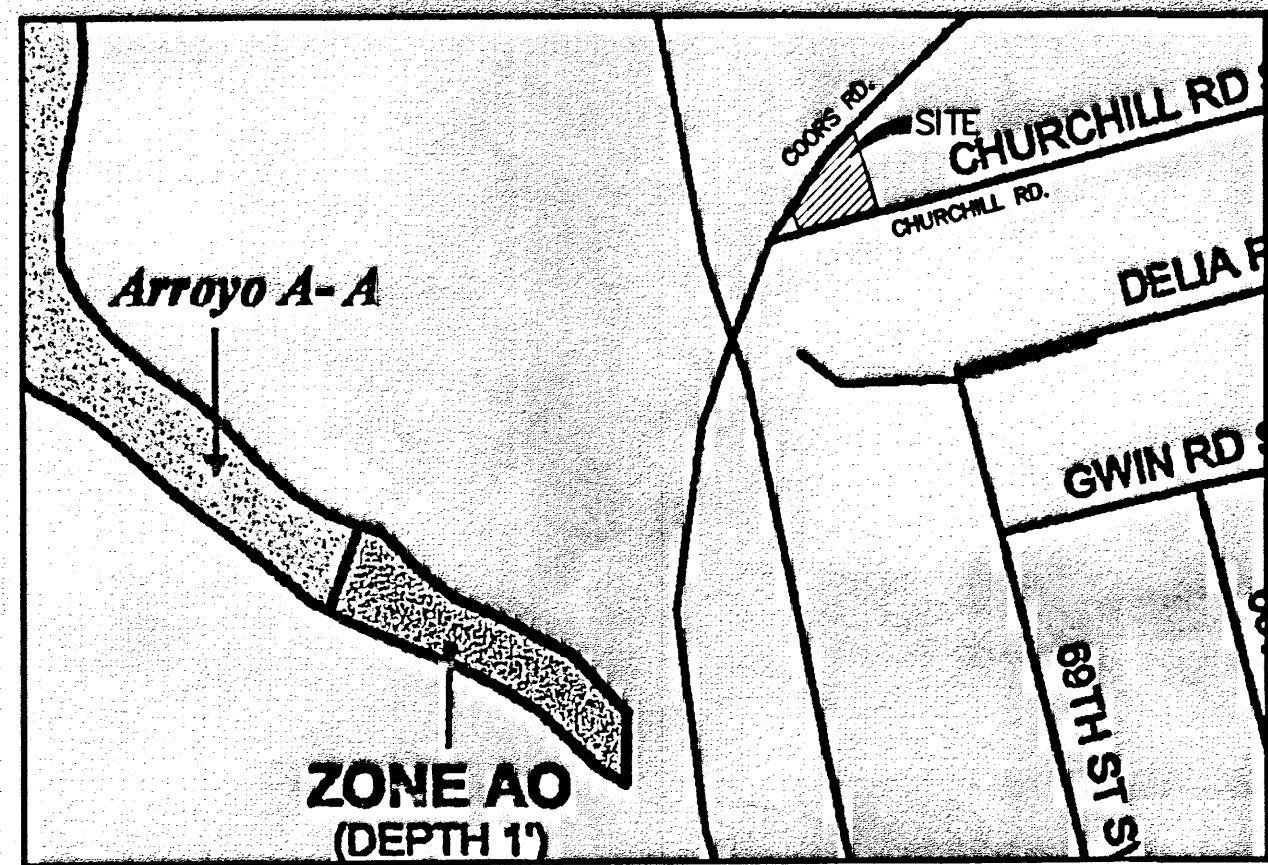
1 SITE PLAN
1"=10'
BAF SCALE
(IN FEET)

Public Infrastructure shown
on these plans for information
only and not part of approval.
Separate DRC/Permit approval
and Work Order required.

ALL WHEELCHAIR RAMPS LOCATED
WITHIN THE PUBLIC RIGHT OF WAY
MUST HAVE TRUNCATED DOME

PRECIOUS MOMENTS DAYCARE
SITE PLAN
ALBUQUERQUE, NEW MEXICO
PROJECT #075

REVISION DATE 08-15-2007
STATE OF NEW MEXICO REGISTERED ARCHITECT [Signature] AUG 15 2007
1100 Park Avenue SW • Albuquerque, New Mexico 87102 (505) 242-1859 • Fax (505) 242-6800 • info@pmarchitects.com
DATE 07-30-2007
SHEET NUMBER C-1



FIRM MAP: 35001C0329E

BASIN AREA

BASIN	AREA (SF)	AREA (AC)	AREA (MI ²)
ON-SITE	18,460.85	0.4238	0.000662

EXISTING / HISTORICAL

BASIN	Q-100 (CFS)	Q-10 (CFS)	TREATMENT
	(CFS)	(CFS)	A, B, C, D
ON-SITE	0.87	0.64	100%, 0%, 0%, 0%

DEVELOPED

BASIN	Q-100 (CFS)	Q-10 (CFS)	TREATMENT
	(CFS)	(CFS)	A, B, C, D
ON-SITE	1.79	1.16	0%, 5%, 5%, 90%

* ZONE 1, ON-SITE

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

START TIME=0.0

RAINFALL TYPE=1 RAIN QUARTER=0.0 IN

RAIN ONE=1.87 IN RAIN SIX=2.20 IN

RAIN DAY=2.66 IN DT=0.03333 HR

COMPUTE NM HYD ID=1 HYD NO=111.0 AREA=0.000662 SQ MI

PER A=0.00 PER B=0.00 PER C=100.00 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=1.25 IN RAIN SIX=1.47 IN

RAIN DAY=1.77 IN DT=0.03333 HR

COMPUTE NM HYD ID=1 HYD NO=111.0 AREA=0.000662 SQ MI

PER A=0.00 PER B=0.00 PER C=100.00 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=1.87 IN RAIN SIX=2.20 IN

RAIN DAY=2.66 IN DT=0.03333 HR

COMPUTE NM HYD ID=1 HYD NO=102.0 AREA=0.000662 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=1.25 IN RAIN SIX=1.47 IN

RAIN DAY=1.77 IN DT=0.03333 HR

COMPUTE NM HYD ID=1 HYD NO=112.0 AREA=0.000662 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 *****

SUMMARY OUTPUT FILE

COMMAND	HYDROGRAPH IDENTIFICATION	FROM NO.	TO NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE	NOTATION
START	RAINFALL TYPE=1										
COMPUTE NM HYD	100.00	-	1	.00066	.87	.024	.66738	1.533	2.044	PER IMP=	2.200
START	RAINFALL TYPE=1										
COMPUTE NM HYD	111.00	-	1	.00066	.64	.015	.43682	1.533	1.504	PER IMP=	1.470
START	RAINFALL TYPE=1										
COMPUTE NM HYD	102.00	-	1	.00066	1.79	.065	1.85050	1.500	4.215	PER IMP=	2.200
START	RAINFALL TYPE=1										
COMPUTE NM HYD	112.00	-	1	.00066	1.16	.040	1.14585	1.500	2.733	PER IMP=	1.470
FINISH											

Location
TRACT 60, TOWN OF ATRISCO GRANT, UNIT 6 is a lot that contains ±0.4238 acres. See attached portion of Vicinity Map K-10-Z for exact location.

Purpose
The purpose of this drainage report is to present a grading and drainage solution for the proposed sites. We are requesting rough grading approval and building permit.

Existing Drainage Conditions
This site is drains north and south to Central Avenue and Churchill Road. No off-site runoff enters the site. According to FIRM map number 35001C0329E, map revised November 19, 2003, the site does not fall within a 100-year floodplain.

Proposed Conditions and On-Site Drainage Management Plan
The owners are proposing the build a new building on this site. The entire developed runoff will drain both to Central Avenue and Churchill Road. the runoff under the developed conditions will increase (from 0.87 cfs to 1.79 cfs) 0.92 cfs and will not have any impact on the downstream storm drain system.

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.

SIDEWALK CULVERT CALCULATIONS

Sidewalk culvert flow capacity calculations were done using the orifice equation.

12" Sidewalk Culvert Flow Capacity Calculation Using Orifice Equation

Orifice Equation: $Q = CA \times \sqrt{2gh}$

h (head) = 0.67'

A = 0.67 sf

g = 32.20

$Q = 0.60 \times 0.67 \times \sqrt{2 \times 32.2 \times 0.67}$
= 2.64 cfs

2.64 cfs >> 1.79 cfs (Entire runoff generated from site)

* MATCH EXISTING TOP OF SIDEWALK

2' CURB OPENING FOR DRAINAGE

12" SIDEWALK CULVERT PER CITY STD. DWG. #2236

NOTICE TO CONTRACTORS

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

APPROVALS	NAME	DATE
INSPECTOR		

GENERAL NOTES:

- ADD 5000 TO SPOT ELEVATIONS TO SHOW TRUE ELEVATION.
- CONTOUR INTERVAL IS ONE (1) FOOT.
- ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION MON. 5-K10 HAVING AN ELEVATION OF 5096.432 FEET ABOVE SEA LEVEL.
- 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 CONSIDERATIONS.
- THIS IS NOT A BOUNDARY SURVEY, BEARINGS ARE ASSUMED, DISTANCES AND FOUND PROPERTY CORNERS ARE FOR INFORMATIONAL PURPOSES ONLY.
- SLOPES ARE AT 3:1 MAXIMUM.

DRAINAGE CERTIFICATION

I, SHAHAB BIAZAR, NMPE 13479, OF THE FIRM ADVANCED ENGINEERING AND CONSULTING, LLC HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 11/28/07. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR FINAL CERTIFICATION OF OCCUPANCY.

THE RECORD INFORMATION REPRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

SHAHAB BIAZAR, NMPE 13479
1/13/08
DATE



TRASH ENCLOSURE NTS

TRASH ENCLOSURE* NTS

ALTERNATIVE TRASH ENCLOSURE GRADE DETAIL IF THE DRAINAGE FROM THE TRASH AREA WOULD HAVE TO DRAIN TO CITY SEWER SYSTEM.

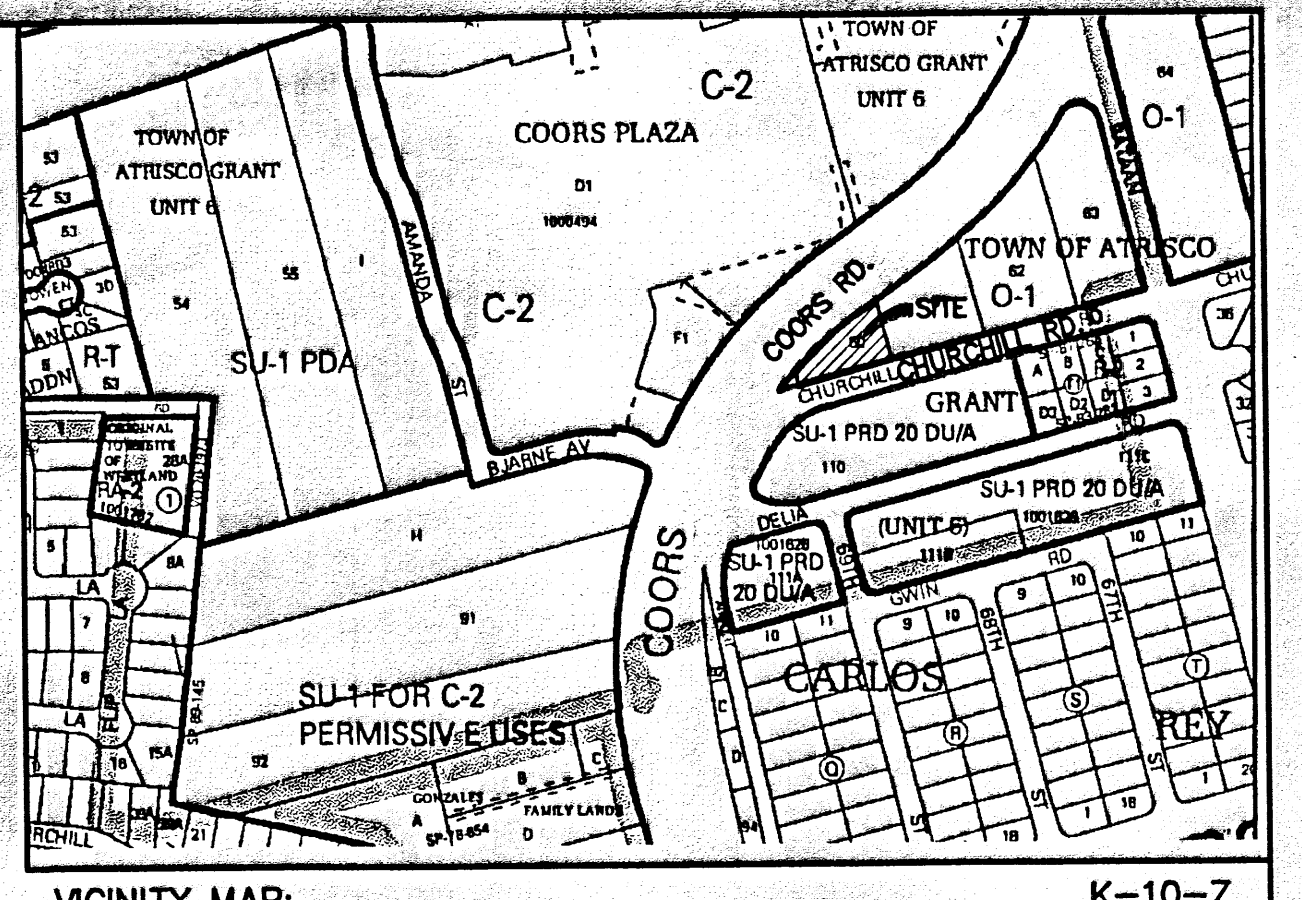
2% MAX. SD/WK

9.00%

MATCH EXISTING FL + FL=87.23

SECTION A-A NTS

ROUGH GRADING APPROVAL DATE



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MORE OR LESS.

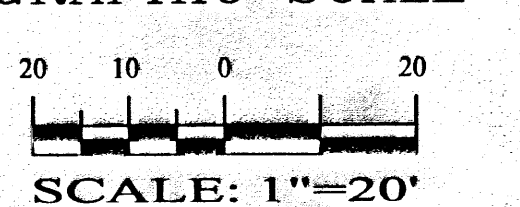
LEGEND

- 5100 EXISTING CONTOUR (MAJOR)
- 5102 EXISTING CONTOUR (MINOR)
- BOUNDARY LINE
- EASEMENT
- LIMITS OF TOP OF EXISTING SLOPE
- PROPOSED SIDEWALK
- PROPOSED GRADE
- PROPOSED SPOT ELEVATION
- EXISTING GRADE
- EXISTING DROP INLET
- EXISTING STREET LIGHT
- EXISTING ANCHER
- EXISTING POWER POLE
- As-built Elevation

EROSION CONTROL PLAN AND POLLUTION PREVENTION NOTES

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUNOFF ON SITE.
- REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.
- ALL THE DISTURBED AREAS MUST BE REVEGETATED.

GRAPHIC SCALE



ADVANCED ENGINEERING and CONSULTING, LLC
4416 ANAHEIM AVE., N.E.
ALBUQUERQUE, NEW MEXICO 87113
(505) 899-3570

SHAHAB BIAZAR
P.E. #13479

TRACT 60
GRADING AND DRAINAGE PLAN

DRAWING: 200726-GR.DWG
DRAWN BY: JC
DATE: 07-09-2007
SHEET #

1 OF 1