

CITY OF ALBUQUERQUE



September 25, 2007

Shahab Biazar PE
Advanced Engineering and Consulting
4416 Anaheim Ave NE
Albuquerque, NM 87113

**Re: Rabadi Square Condo Complex Grading and Drainage Plan
Engineer's Stamp dated 11-22-05 (B12/D2)**

Dear Mr. Biazar,

Based upon the information provided in your submittal of the AMAFCA slope stabilization plans, the grading plan dated 11-22-05 is now approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. In addition to submitting an NOI to the EPA and preparing a SWPPP, please send a copy of the SWPPP on a CD in .pdf format to the following address:

P.O. Box 1293

Albuquerque

New Mexico 87103

Department of Municipal Development
Storm Drainage Division
P.O. Box 1293, One Civic Plaza, Rm. 301
Attn: Kathy Verhage
Albuquerque, NM 87103

www.cabq.gov

If you have any questions about this permit, please feel free to call the Municipal Development Department, Hydrology section at 768-3654.

Also, prior to Certificate of Occupancy release, Engineer Certification of the grading plan per the DPM checklist will be required.

If you have any other questions, you can contact me at 924-3986.

Sincerely,

Bradley L. Bingham, PE
Principal Engineer, Planning Dept.
Development and Building Services

C: Kathy Verhage, DMD
Lynn Mazur, AMAFCA
file

Ronald D. Brown, Chair
Daniel F. Lyoh, Vice Chair
Timi Elchizobeny, Secretary-Treasurer
Janet Elders, Asst. Secretary-Treasurer
Denny Hernandez, Director

John P. Kelly, P.E.
Executive Engineer



**Albuquerque
Metropolitan
Arroyo
Flood
Control
Authority**

2400 Prospect N.E., Albuquerque, NM 87107
Phone: (505) 884-2215 Fax: (505) 884-0214

Post-it* Fax Note 7671

Date	12-1	# of pages	1	
To	BRAD BINGHAM		From	LYNN MAZUR
Co./Dept.	HYDROLOGY		Co.	AMAFCA
Phone #			Phone #	
Fax #			Fax #	

December 1, 2005

Mr. Shahab Biazar, P.E.
Advanced Engineering & Consulting
4416 Anaheim Ave. NE
Albuquerque, NM 87113

Re: Revised Grading & Drainage for Rabadi Square, ZAP A-12
Engineer's Stamp Dated November 22, 2005

Dear Mr. Biazar:

I reviewed the referenced plan with John Kelly, AMAFCA Executive Engineer, with regard to grading adjacent to the Calabacillas Arroyo. We understand that the commercial portion along Golf Course (Phase I) has already been approved. AMAFCA will allow the site plan to proceed on the apartments (Phase II) next to the arroyo at the owner's risk. However, we will not approve release of Certificate of Occupancy on the apartments until the bank protection improvements are completed. These improvements are required per the Turnkey Agreement between the owner and AMAFCA, dated December 7, 2004.

AMAFCA has not received plans for the bank protection and does not approve any construction in the Calabacillas Arroyo until these plans have been approved. AMAFCA will require a surveyor's certification of the bottom of the riprap trench prior to placement of the rock to assure adequate scour protection. Also, be aware that the work in the arroyo may be subject to a 404 permit with the Corps of Engineers (COE). We recommend that a plan be sent to the COE for review.

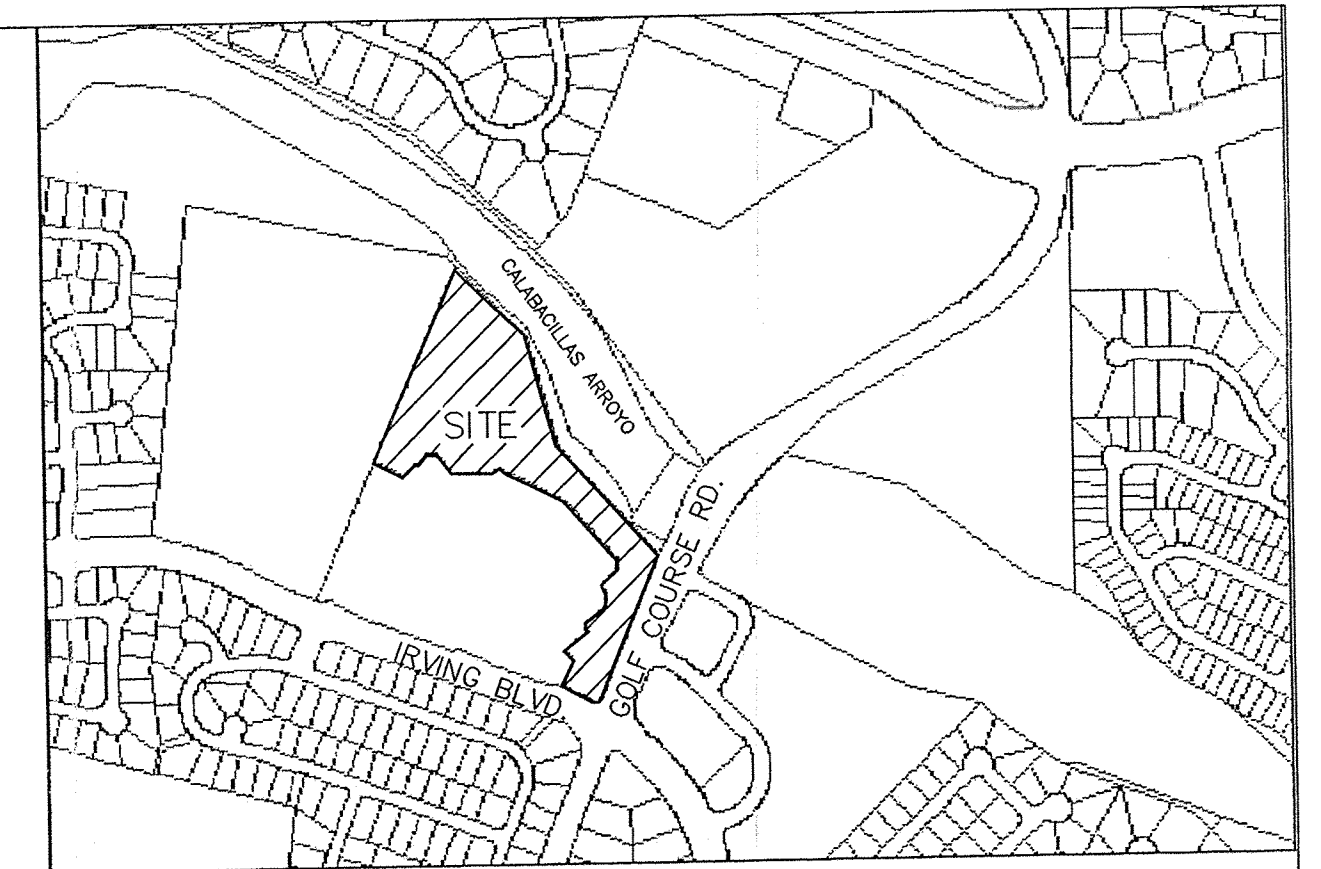
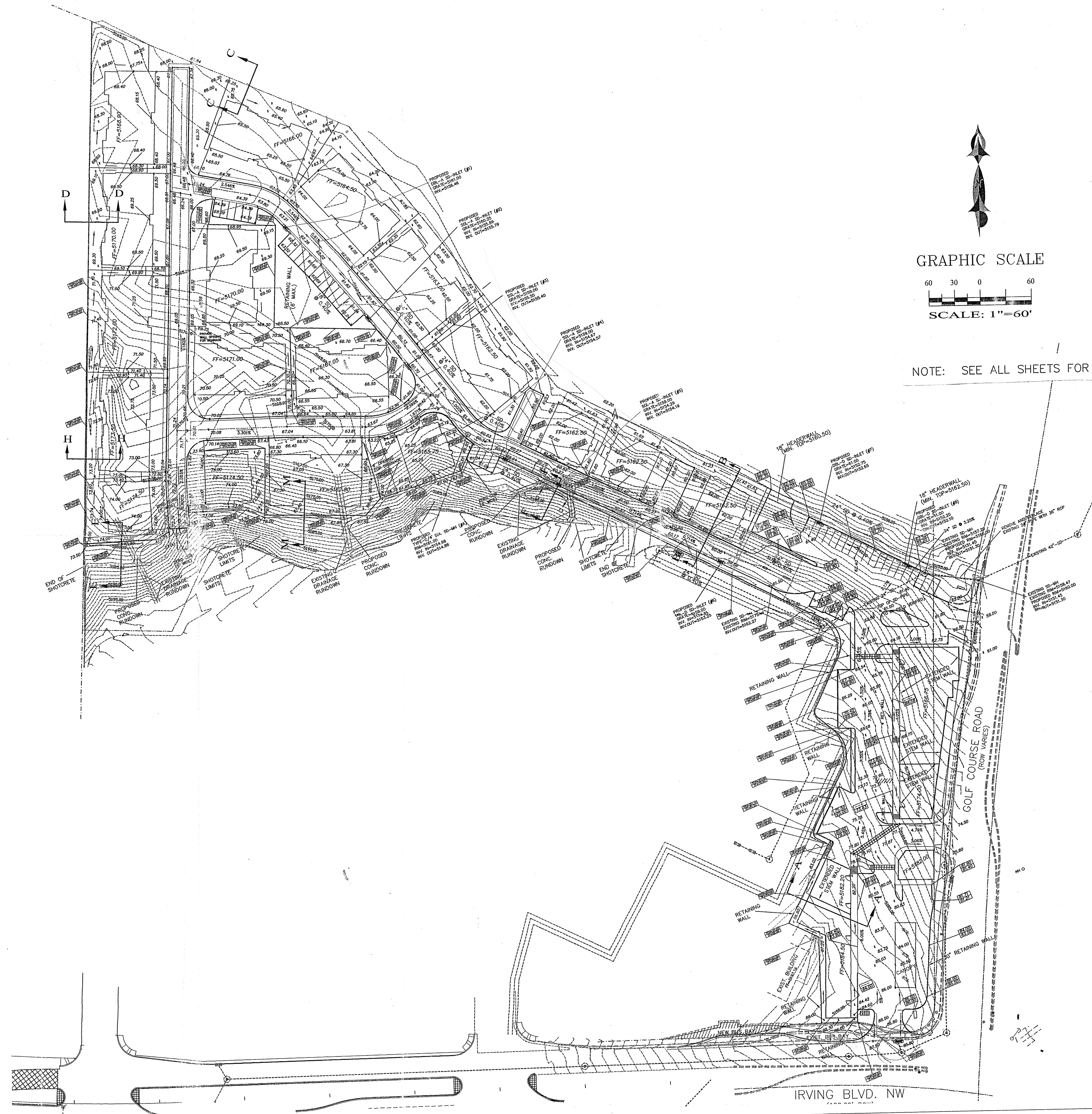
If you have any questions, please call me at 884-2215.

Sincerely,
AMAFCA

Lynn M. Mazur, P.E., C.E.M.
Development Review Engineer

Co: Brad Bingham, City Hydrology

File
B12/D2

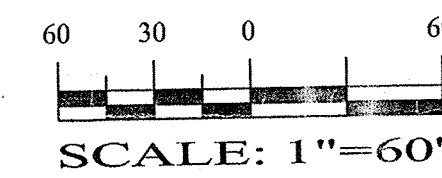


VICINITY MAP:

A-12-Z

LEGAL DESCRIPTION:
TRACT T-1A-2, TOWN OF ALAMEDA GRANT
CONTAINING 370,007.76 S.F. (8.49421 AC)
MORE OR LESS.

GRAPHIC SCALE



NOTE: SEE ALL SHEETS FOR THE SECTIONS

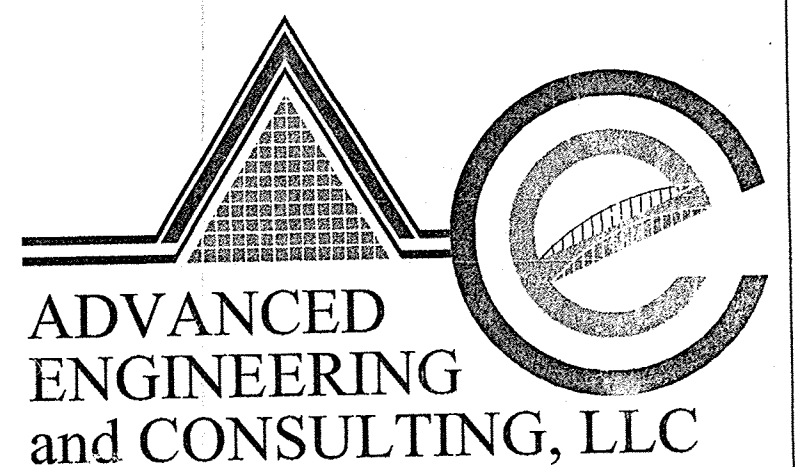
LEGEND

- EXISTING CURB & GUTTER
- EXISTING CURB & GUTTER
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- BOUNDARY LINE
- EASEMENT
- LIMITS OF TOP OF EXISTING SLOPE
- PROPOSED SIDEWALK
- PROPOSED GRADE
- PROPOSED SPOT ELEVATION
- EXISTING GRADE
- EXISTING POWER LINES
- EXISTING FENCE
- EXISTING GARDEN WALL
- PROPOSED RETAINING WALL
- PROPOSED EXTENDED STEM WALL
- TOP OF RETAINING WALL
- TOP OF FOOTING
- TOP OF EXTENDED STEM WALL
- TOP OF FOOTING
- DOUBLE "D" INLET
- DOUBLE "A" INLET

- Need design of
slope protection to
compare with adjoining grades



SHAHAB BIAZAR
P.E. #13479



ADVANCED
ENGINEERING
and CONSULTING, LLC

4416 ANAHEIM AVE. NE
ALBUQUERQUE, NEW MEXICO 87113
(505) 899-5570

GRADING AND DRAINAGE PLAN
RABADI SQUARE

DRAWING:	DRAWN BY:	DATE:	SHEET #
200359-KB-GR.DWG	SBB	08-01-05	1 OF 4

NOV 22 2005

LAST REVISION: 08-01-2005

Grading and Drainage Plan for Rabadi Square

SECTION A-A
NTS
5' SWALE @ MIN. SLOPE OF 0.50% (MAINTAIN 12" MIN. DEPTH)

SECTION B-B
NTS

SECTION C-C
NTS

SECTION D-D
NTS

SECTION E-E
NTS

SECTION F-F
NTS

SECTION G-G
NTS

SECTION H-H
NTS

SECTION I-I
NTS

SECTION J-J
NTS

SECTION K-K
NTS

SECTION L-L
NTS

SECTION M-M
NTS

SECTION N-N
NTS

SECTION O-O
NTS

SECTION P-P
NTS

SECTION Q-Q
NTS

RUNOFF OVERFLOW
NTS

SECTION R-R
NTS

RUNDOWN DETAIL
(CONNECTION DETAIL) NTS

SWALE DETAIL
NTS

GRAPHIC SCALE
30 15 0 30
SCALE: 1"=30'

ADVANCED ENGINEERING and CONSULTING, LLC
4416 ANAHEIM AVE., NE
ALBUQUERQUE, NEW MEXICO 87113
(505)899-5570

SHAHAB BIAZAR
REGISTERED PROFESSIONAL ENGINEER
P.E. #13479

GRADING AND DRAINAGE PLAN
RABADI SQUARE

DRAWING: 20359-KB-GR.DWG
DATE: 08-01-05
SHEET # 2 OF 4

NTS

NTS

NTS

NTS

.....

NOTE

NTC

NTS

NTS

NTS

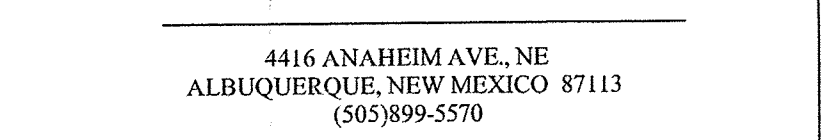
NTS

NTS

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NTS

(CONNECTION DETAIL) NTS

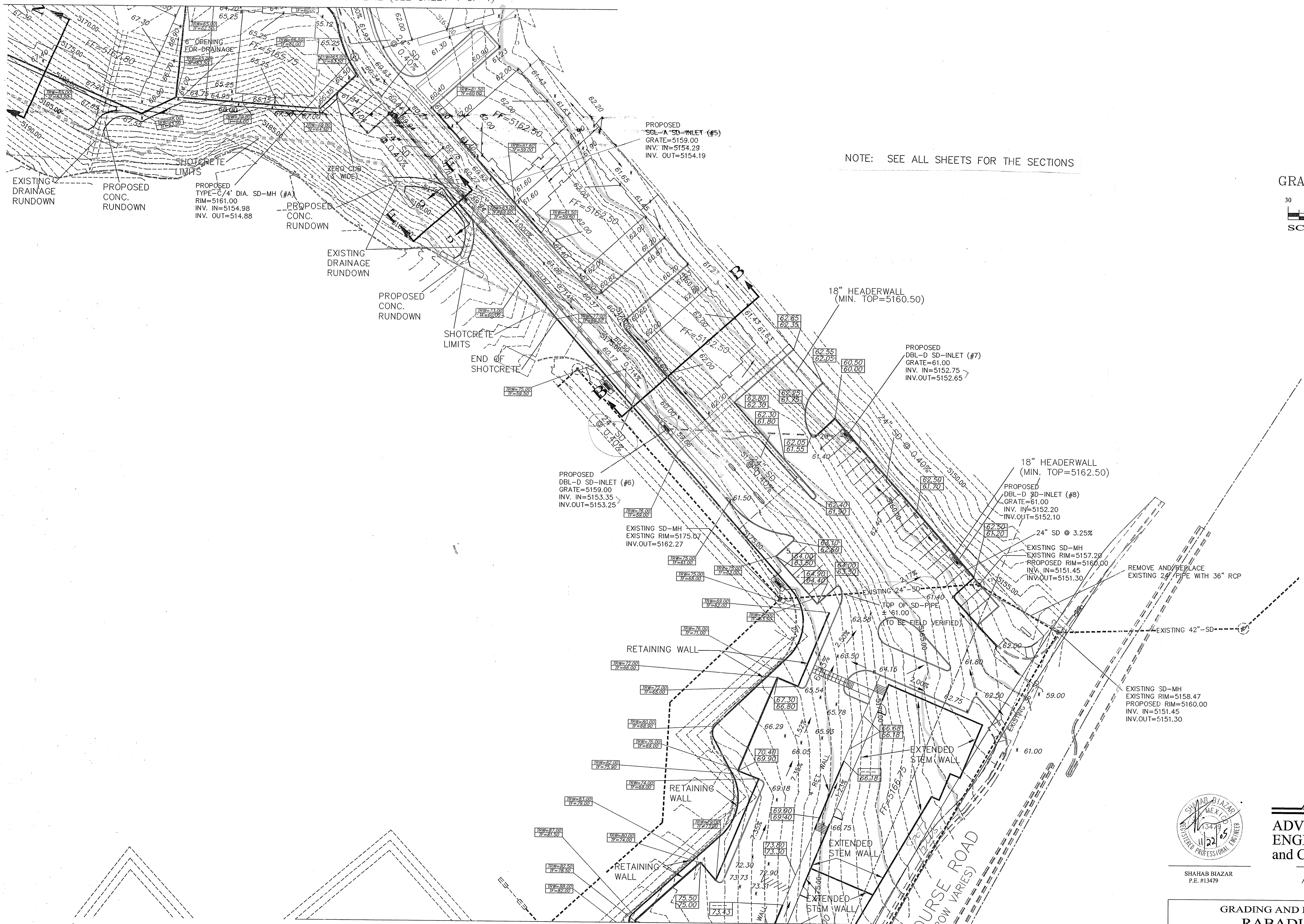


SHAHAB BIAZAR
P.E. #13479

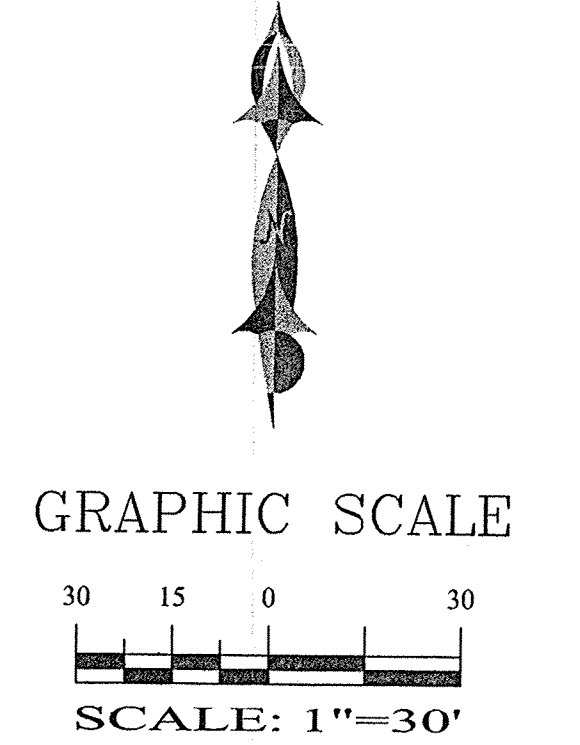
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NOV 22 2005
HYDROLOGY SECTION

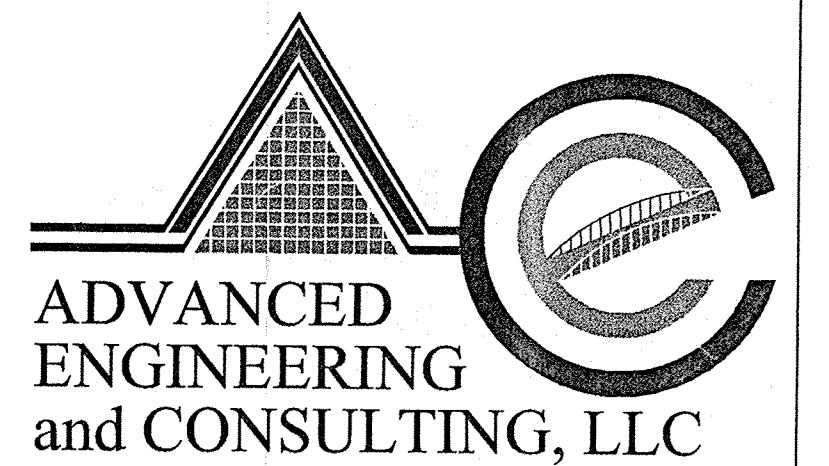
MATCH LINE (SEE SHEET 4 OF 4)



NOTE: SEE ALL SHEETS FOR THE SECTIONS



MATCH LINE (SEE SHEET 2 OF 4)



SHAHAB BIAZAR
P.E. #13479

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ALBUQUERQUE, NEW MEXICO 87113
(505) 899-5570

GRADING AND DRAINAGE PLAN
RABADI SQUARE

NOV 22 2005
HYDROLOGY SECTION

DRAWING:
200359-KB-GR.DWG

DRAWN BY:
SBB

DATE:
08-01-05

SHEET #
3 OF 4

LAST REVISION: 08-09-2005

