NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.

2. 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.

3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.

4. 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.

5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.

6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

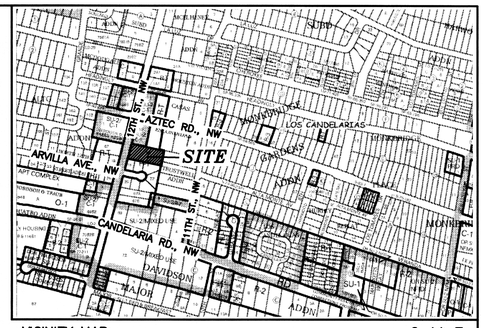
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

GENERAL NOTES:

1: CONTOUR INTERVAL IS HALF (1.00) FOOT.
2: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION A_438, HAVING AN ELEVATION OF 4975.35 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 CONSIDERATIONS.
4: THIS IS NOT A BOUNDARY SURVEY, BEARINGS ARE ASSUMED, DISTANCES AND FOUND PROPERTY CORNERS ARE FOR INFORMATIONAL PURPOSES ONLY.
5: SLOPES ARE AT 3:1 MAXIMUM.

LEGEND

—— ——5100—— ——	EXISTING CONTOUR (MAJOR)
	EXISTING CONTOUR (MINOR)
————————	BOUNDARY LINE
✱ 85.46	PROPOSED SPOT ELEVATION
× 5265.16	EXISTING GRADE
× 5284.43 FL	EXISTING FLOWLINE ELEVATION
▬ ▬ ▬	PROPOSED BERM



VICINITY MAP: G-14-Z

LEGAL DESCRIPTION:

TRACT 65 M.R.G.C.D. MAP 33 TOGETHER WITH 10 SOUTHERLY PORTION OF LOT 10, CASA ESCONDIDAS, CONTAININ 0.7047 AC.
ZONING: R-T

L1	N 14°30'29" E	10.02'
L2	S 11°09'29" W	10.00'

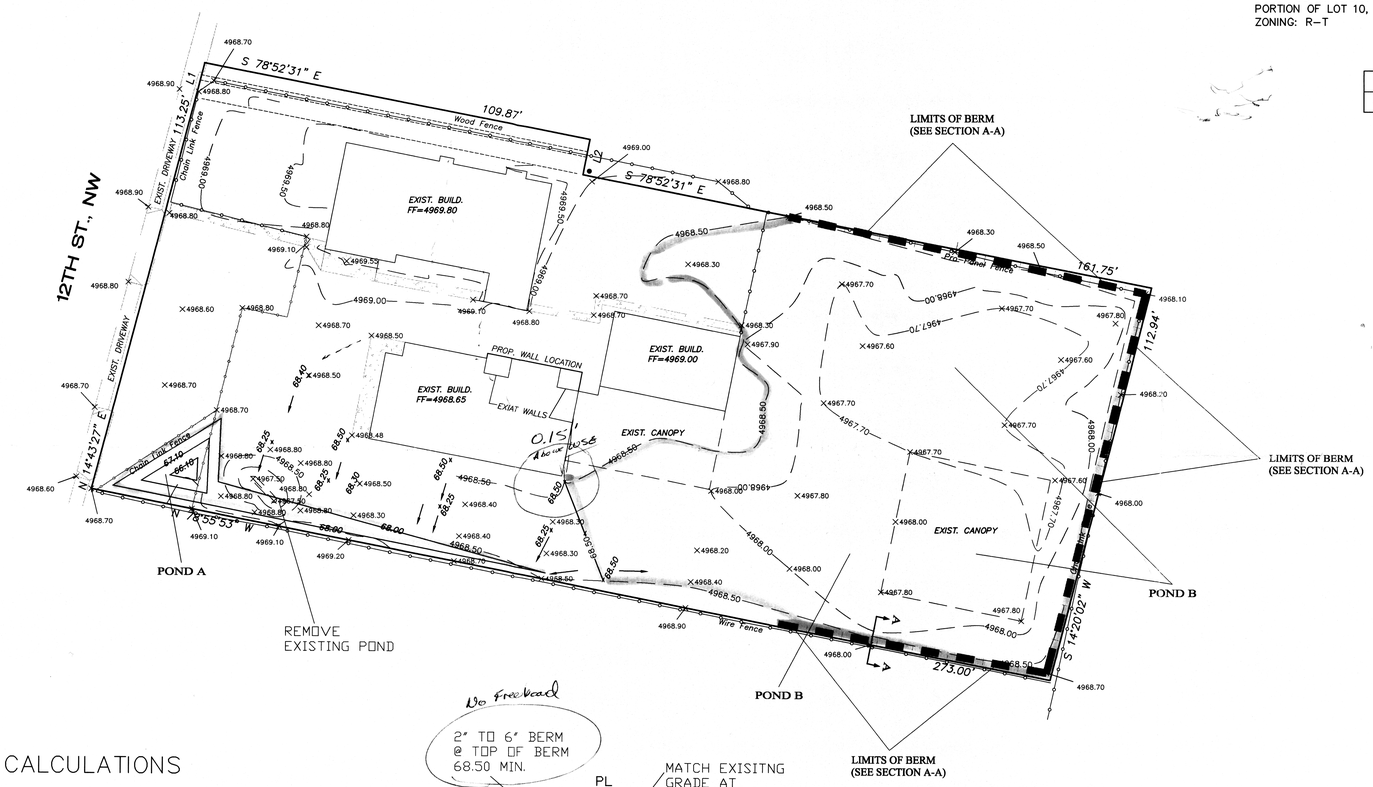
Location
Tract 65 M.R.G.C.D. Map 33 together with 10' of southerly portion of Lot 10, Casa Escondidas which contains +/- 0.71 acreas is loated at 3808 12th Street just south of Aztec Rd. See attached portion of Vicinity Map G-14-Z for exact location.

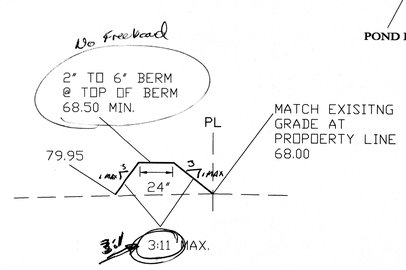
Purpose
The purpose of this drainage report is to present a grading and drainage solution for the eixisting site and the small addition. We are requesting rough grading approval and building permit approval.

Existing Drainage Conditions
There are several sturcutres. Since the site is flat drains to no where. The surounding areas are flat as well and no offiste basin enters site.

Proposed Conditions and On-Site Drainage Management Plan
The runoff generated from this site will be retained on-site. A 100-yr/10-day volume was caculated. Ponding volume provided is slightly higher than required volume.

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





SECTION A-A

VOLUME CALCULATIONS FOR 10-DAY STORM
(UNDER PROPOSED CONDITIONS)

BASIN	*AREA (SF)*	*AREA (AC)*	*AREA (MI²)*
ON-SITE	31,878.08	0.73182	0.001143

$$E = \frac{EA(AA) + EB(AB) + EC(AC) + ED(AD)}{AA + AB + AC + AD}$$

V-360 = E (AA + AB + AC + AD)

V-10 Day = V-360 + AD (P-10 Day - P-360) / 12 in/ft

EA = 0.44
EB = 0.67
EC = 0.99
ED = 1.97

AA = 0.00%
AB = 0.00%
AC = 40.00%
AD = 60.00%

P-60 = 1.87
P-360 = 2.20
P-1440 = 2.66
P-10 Day = 3.67

E = 1.5780 IN
V-360 = 0.0962 AC-FT = 4190cf
AD = 0.4391 AC
V-10 Day = 0.1500 AC-FT
V-10 DAY =6,535.01 CF

POND CALCULATIONS

POND CALCULATION A

SURFACE AREA (SF)	ELEV. (FT)
24.17	66.10
114.08	67.10
685.27	68.00
POND VOL. =	457.33 CF

POND CALCULATION B

SURFACE AREA (SF)	ELEV. (FT)
2,576.29	67.70
7,907.70	68.00
11,818.13	68.50 ← No freeboard
POND VOL. =	6,504.06 CF

TOTAL VOLUME (POND A + B)

VOLUME PROVIDED = 457.33 + 6,504.06 = 6,961.39 CF
100-YR/10-DAY ON-SITE VOLUME REQUIRED = 6,535.01 CF

GRAPHIC SCALE
20 10 0 20
SCALE: 1"=20'

Discussed w/ C Chavez 2/14/14 OK @ 2.75cfs/Ac or first ½ inch retained, so this exceeds valley criteria. 2/18/14

REZA AFAGHPOUR NEW MEXICO 11814 LICENSED PROFESSIONAL ENGINEER 12/19/2013
REZA AFAGHPOUR
P.E. #11814

SBS CONSTRUCTION AND ENGINEERING, LLC
10209 SNOWFLAKE CT., NW
ALBUQUERQUE, NEW MEXICO 87114
(505)899-5570

3808 12TH STREET, NW GRADING AND DRAINAGE PLAN

DRAWING:	DRAWN BY:	DATE:	SHEET #
201341-GR.DWG	SH-B	12-10-2013	1

LAST REVISION: 12-19-13

RECEIVED DEC 19 2013 LAND DEVELOPMENT SECTION