# CITY OF ALBUQUERQUE



July 3, 2013

Larry Read, P.E.
Larry Read and Associates, Inc.
2430 Midtown Suite C
Albuquerque, NM 87107
lread@readengineering.com

Re: HME Specialists, Conceptual Grading Plan

Engineer's Stamp date -no stamp- (A12/D008C)

Dear Mr. Read,

Based upon the information provided in your submittal received 6-21-13, the above referenced plan is approved for Site Development for Building Permit action by the DRB.

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

PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

Sincerely,

Curtis Cherne, P.E.

Principal Engineer, Planning Dept.

Development and Building Services

C: File

#### DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: HME Specialists  DRB #: EPC#:	ZONE MAP/DRG. FILE #:A-12/000 &C
LEGAL DESCRIPTION: Lot B-1-A-1 CITY ADDRESS: 10800 golf Course Rd. NW	
ENGINEERING FIRM: LARRY READ & ASSOCIATES, INC ADDRESS: 2430 Midtown Suite C CITY, STATE: ALBUQUERQUE, NEW MEXICO	CONTACT: <u>LARRY READ</u> PHONE: <u>237-8421</u> ZIP CODE: <u>87107</u>
OWNER: Calabacillas Group  ADDRESS: 3646 vista Grande Dr. NW  CITY, STATE: Albuquerque, NM	CONTACT: PHONE: ZIP CODE: <u>87120</u>
ARCHITECT: TATE FISHBURN  ADDRESS: Box 2941  CITY, STATE: CORRALES, NEW MEXICO	CONTACT: <u>TATE FISHBURN</u> PHONE: 899-9338 ZIP CODE: <u>87048</u>
SURVEYOR: ADDRESS: CITY, STATE:	CONTACT: PHONE: ZIP CODE:
CONTRACTOR: ADDRESS: CITY, STATE:	CONTACT: PHONE: ZIP CODE:
CHECK TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
<ul> <li>□ DRAINAGE REPORT</li> <li>□ DRAINAGE PLAN 1st SUBMITTAL, REQUIRES TCL or</li> <li>□ DRAINAGE PLAN RESUBMITTAL</li> <li>□ CONCEPTUAL GRADING &amp; DRAINAGE PLAN</li> <li>□ GRADING PLAN</li> <li>□ EROSION CONTROL PLAN</li> <li>□ ENGINEER'S CERTIFICATION (HYDROLOGY)</li> <li>□ CLOMR/LOMR</li> <li>□ TRAFFIC CIRCULATION LAYOUT (TCL)</li> <li>□ ENGINEERS CERTIFICATION (TCL)</li> <li>□ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN</li> <li>□ OTHER</li> </ul>	S. DEV. PLAN FOR SUB'D. APPROVAL  S. DEV. PLAN FOR BLDG. PERMIT APPROVAL  SECTOR PLAN APPROVAL  FINAL PLAT APPROVAL  FOUNDATION PERMIT APPROVAL  BUILDING PERMIT APPROVAL  CERTIFICATE OF OCCUPANCY (PERM.)  CERTIFICATE OF OCCUPANCY (TEMP.)
WAS A PRE-DESIGN CONFERENCE ATTENDED:  YES NO COPY PROVIDED	JUN 2 1 2013  LAND DEVELOPMENT SECTION

#### DATE SUBMITTED: June 21, 2013

BY: Larry D. Read, PE

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. Conceptual Grading and Drainage Plan: Required for approval of Site Development Plans greater than five

(5) acres and Sector Plans.

2. Drainage Plans: Required for building permits, grading permits, paving permits and site plans less than five (5)

3. Drainage Report: Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or

#### DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJE DRB#	ECT TITLE: <u>HME Specialists</u>	EPC#:		ZONE MAP/DRG. FILE #:A-12/D008C WORK ORDER#:
LEGAL CITY A	DESCRIPTION: <u>Lot B-1-A-1</u> DDRESS: <u>10800 golf Course Rd. NV</u>	<u>N</u>		
ENGINI	EERING FIRM: LARRY READ & AS ADDRESS: 2430 Midtown Suite CITY, STATE: ALBUQUERQUE, I	<u>C</u>		CONTACT: <u>LARRY READ</u> PHONE: <u>237-8421</u> ZIP CODE: <u>87107</u>
OWNER	R: Calabacillas Group ADDRESS: <u>3646 vista Grande Dr.</u> CITY, STATE: <u>Albuquerque</u> , <u>NM</u>	. NW		CONTACT: PHONE: ZIP CODE: <u>87120</u>
ARCHIT	ECT: TATE FISHBURN ADDRESS: <u>Box 2941</u> CITY, STATE: <u>CORRALES, NEW</u>	<u>MEXICO</u>		CONTACT: <u>TATE FISHBURN</u> PHONE: 899-9338 ZIP CODE: <u>87048</u>
SURVE	ADDRESS:	ent @ readengine		CONTACT: PHONE: ZIP CODE:
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CHECK	TYPE OF SUBMITTAL:		CHECK	CTYPE OF APPROVAL SOUGHT:
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WAS A	PRE-DESIGN CONFERENCE ATT YES NO COPY PROVIDED	ENDED:		JUN 2 1 2013 LAND DEVELOPMENT SECTION

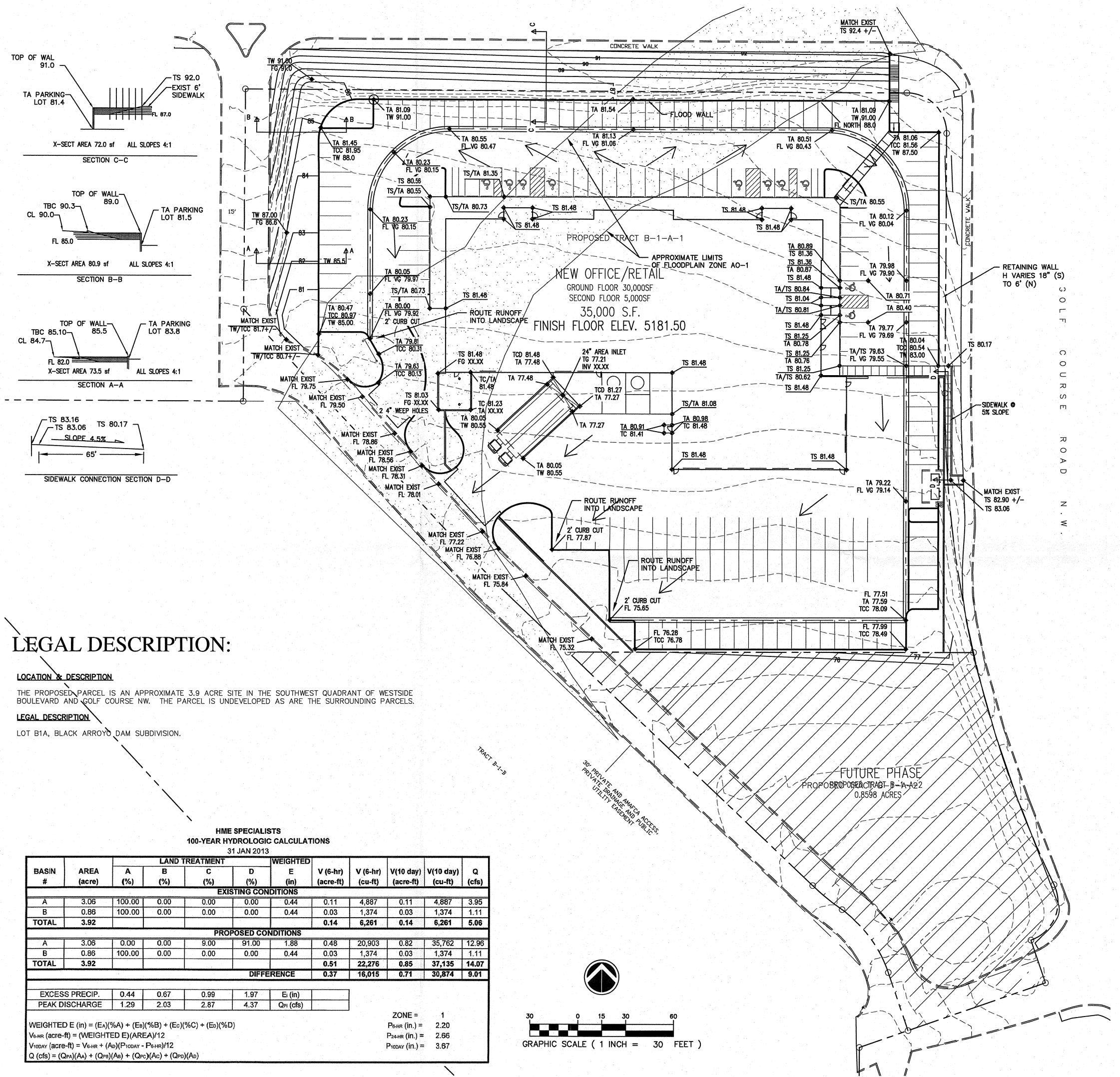
DATE SUBMITTED: June 21, 2013

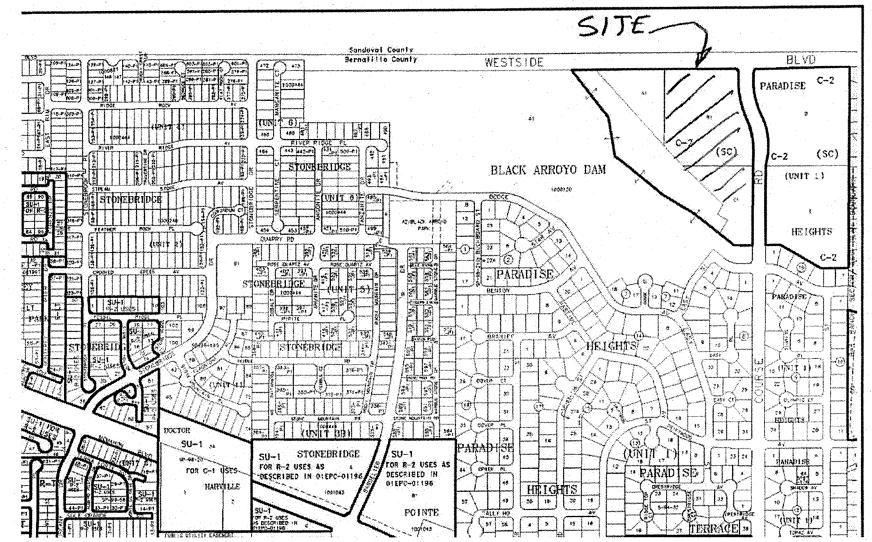
BY:Larry D. Read, PE

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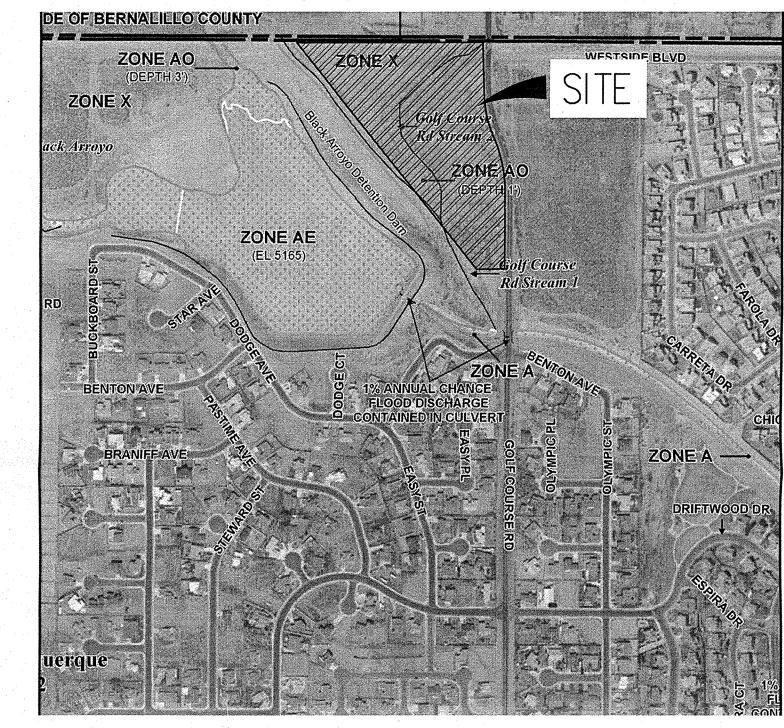
- 1. **Conceptual Grading and Drainage Plan**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
- 2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
- 3. **Drainage Report**: Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.







# VICINITY MAP ZONE ATLAS PAGE A-12



# FIRM MAP PANEL 35001C0108G EFFECIVE DATE SEPT 26, 2008

# DRAINAGE REPORT

# HYDROLOGY

THE HYDROLOGY FOR THIS PROJECT WAS ANALYZED USING THE QUICK CALCULATIONS OF THE JUNE 1997 RELEASE OF THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION 22.2.

## **PRECIPITATION**

THE 100-YR, 6-HR STORM EVENT WAS USED AS THE DESIGN STORM FOR THIS ANALYSIS. THE SITE LIES WITHIN THE ZONE 1 PRECIPITATION AREA FOR THE CITY OF ALBUQUERQUE, AS IDENTIFIED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, SECTION 22.2. THEREFORE, TABLES WITHIN THIS SECTION WERE USED TO ESTABLISH THE EXCESS PRECIPITATION AND PEAK DISCHARGE.

## EXISTING DRAINAGE

THE SITE AS IT CURRENTLY EXISTS HAS A RELATIVELY UNIFORM NORTH TO SOUTH SLOPE OF APPROXIMATELY 3.3%. RUNOFF MODE IS SHALLOW SHEET FLOW. PER THE EXISTING FLOOD RATE INSURANCE MAP, THE IS AN AO-1 FLOOD PLAIN ON SITE FROM THE NORTHEAST CORNER TOWARD THE SOUTHWEST THEN SOUTH PARALLELING THE WEST PROPERTY LINE OF THIS PARCEL. THIS DISCUSSION ACKNOWLEDGES THE FLOODPLAIN IS NOTED ON THE MAP BUT ALSO REALIZES A LETTER OF MAP REVISION (LOMR) HAS BEEN SUBMITTED TO REVISE THE MAP BASED ON STORMWATER CONTROL FACILITIES RECENTLY CONSTRUCTED UPSTREAM OF THIS PARCEL. STORMWATER GENERATED FROM THIS SITE DISCHARGES ON THE SOUTH END OF THE SITE TO THE LOWER END OF THE BLACK ARROYO DAM.

## DEVELOPED CONDITION

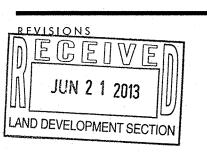
THE PROPOSED GRADING FOR THIS PROJECT GENERALLY CONTINUES THE PATTERN OF THE EXISTING STORMWATER RUNOFF EXCEPT THAT THE RUNOFF FROM THE NORTHERN PORTION OF THE SITE IS ROUTED AROUND THE BUILDING IN THE PAVED PARKING LOT AND THE RUNOFF FROM THE FLOODPLANE IS ROUTED AROUND THE SITE VIA A FLOOD WALL ON THE NORTH AND WEST SIDES OF THE SITE TO DRY PROOF THE BUILDING PER FEMA TECHNICAL BULLETIN 93—3. THE FLOOD PROOFING REPLACES THE EXISTING FLOW AREA (71' WIDE X 1' DEEP PER ZONE AO—1) WITH EQUIVALENT FLOW AREA. ONCE SOUTH OF THE BUILDING, THE RUNOFF TAKES TWO PATHS. THE RUNOFF FROM THE WESTERN PORTION OF THE SITE FLOWS WEST THROUGH THE NORTHERN DRIVEPAD TO THE NEW PRIVATE ROAD THAT CONVEYS THE RUNOFF SOUTH TO THE SOUTHERN END OF THE BLACK ARROYO DAM. RUNOFF FROM THE EASTERN PORTION OF THE SITE SHEET FLOW SOUTH, ON THE PROPOSED PARKING LOT PAVEMENT, WHERE IT ULTIMATELY DISCHARGES FROM THE SITE INTO THE NEW PRIVATE ROAD DISCUSSED ABOVE. IT IS THE INTENT OF THIS GRADING PLAN TO DEPRESS LANDSCAPE AREAS ALONG THE WEST SIDE OF THE SITE AND ROUTE THE RUNOFF FROM THE PAVED AREAS THROUGH THOSE LANDSCAPE AREAS AS A WATER HARVESTING MEASURE..

TATEFFISHBURNN

ENGINEER SEAL

PROJECT

SITE DEVELOPMENT PLAN
HME SPECIALISTS OFFICE/RETAIL
WESTSIDE & GOLF COURSE, NW
ALRI ICH IFROI IF NEW MEXICO



DATE MAY 7, 2013

ORTH

1"=30'-0"

CONCETI I

CONCPTUAL GRADING PLAN

SHEET NUMBER

C0.