

- EROSION CONTROL PLAN, NPDES PERMIT
AND POLLUTION PREVENTION NOTES**
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
 2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
 3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUN OFF ON SITE.
 4. REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.
 6. ALL SITES OVER 1 ACRE DISTURBANCE REQUIRE FEDERAL NPDES PERMIT.

KEYED NOTE:

- (A) NEW CONCRETE SIDEWALK

Drainage Plan for Unplatted Lands, within the NE 1/4 of Section 16, Township 10 North, Range 3 East, N.M.P.M.
The project is located southwest of Indian School Rd and University Blvd, NE. The site is the location of an existing gas station and convenience store and has been developed for many years. This project proposes to add a 315 square foot expansion to the existing building on the site. The site is located on Zone Atlas Page J-15 and contains approximately 0.447 acres.

The site is located on FIRM map 35001C0332E and 35001C0351E which show the site is not within a 100-year floodplain. The drainage across the site is from east to west and therefore no flows enter the site from the south or west. Drainage from the east and north is captured by adjacent roadways.

The existing on-site 100-year drainage of 2.24 cfs sheet flows across the site and flows out the three driveway entrances. The developed conditions will not increase or decrease the peak discharge. Drainage patterns will remain as is prior to the proposed improvements.

Weighted E Method

Basin	Area (sf)	Area (acres)	Treatment A				Treatment B				Treatment C				Treatment D				100-Year			10-Year		
			%		(acres)		%		(acres)		%		(acres)		%		(acres)		Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
			%	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	%	(acres)								
Existing	19,473	0.45	0%	0	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.45	2,360	0.088	2.24	1,500	0.056	1.52		
Developed	19,473	0.45	0%	0	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.00	0%	0.45	2,360	0.088	2.24	1,500	0.056	1.52		

Equations:

Weighted E = $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$ / (Total Area)

Volume = Weighted D * Total Area

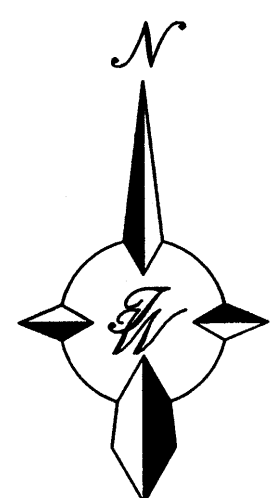
Flow = $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

Excess Precipitation, E (inches)			
Zone 3	100-Year	10-Year	
E _a	66	0.19	
E _b	0.92	0.36	
E _c	1.29	0.62	
E _d	2.36	1.5	

Peak Discharge (cfs/acre)			
Zone 3	100-Year	10-Year	
Q _a	1.87	0.58	
Q _b	2.6	1.19	
Q _c	3.45	2.00	
Q _d	5.02	3.39	

LEGEND

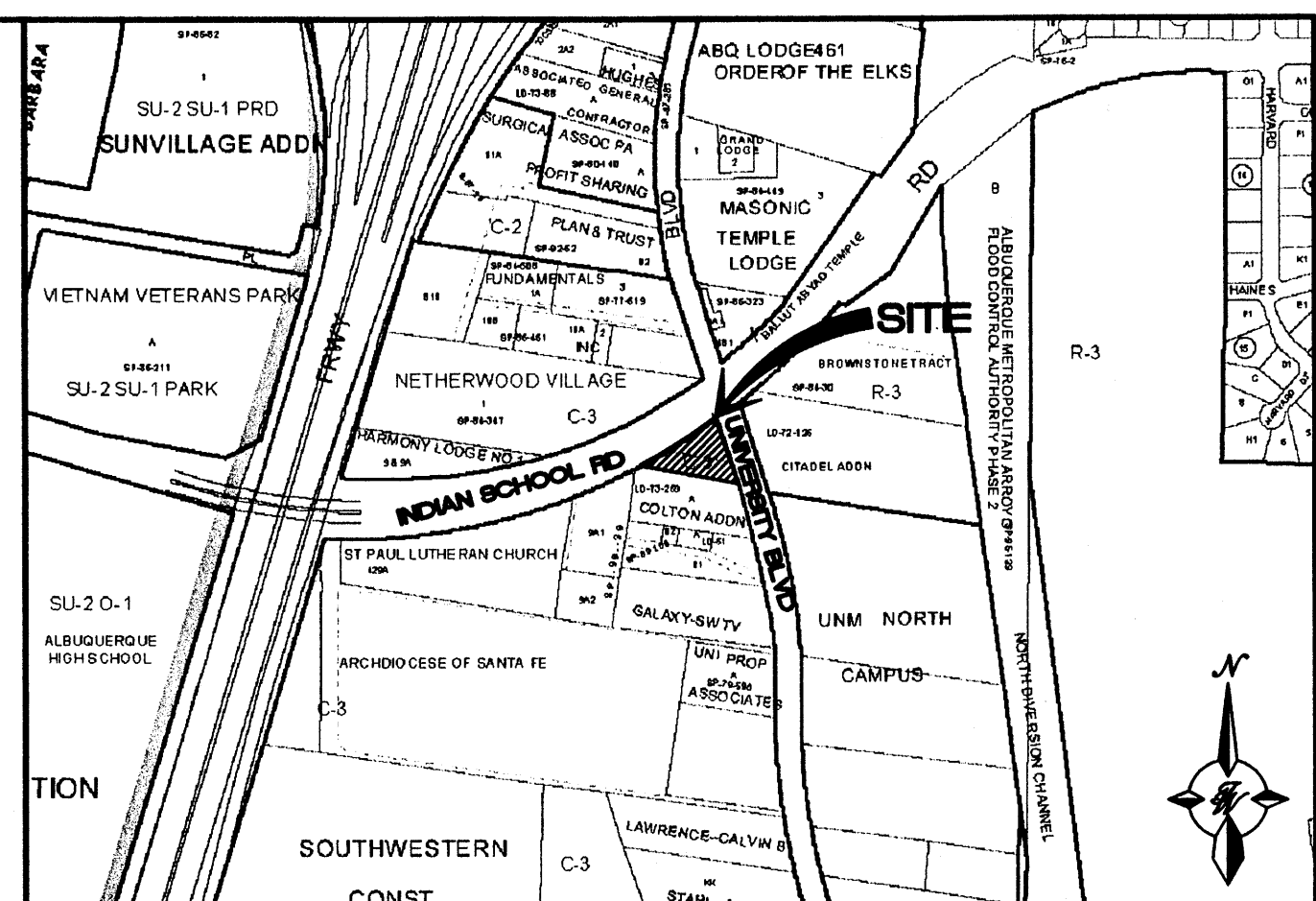
- CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- CENTERLINE
- RIGHT-OF-WAY
- BUILDING
- SIDEWALK
- 5010 — CONTOUR MAJOR
- 5011 — CONTOUR MINOR
- x 5048.25 — SPOT ELEVATION
- — FLOW ARROW
- — EXISTING CURB & GUTTER
- — EXISTING BOUNDARY LINE
- 5010 — EXISTING CONTOUR MAJOR
- 5011 — EXISTING CONTOUR MINOR
- x 5048.25 — EXISTING SPOT ELEVATION
- — NEW LANDSCAPING



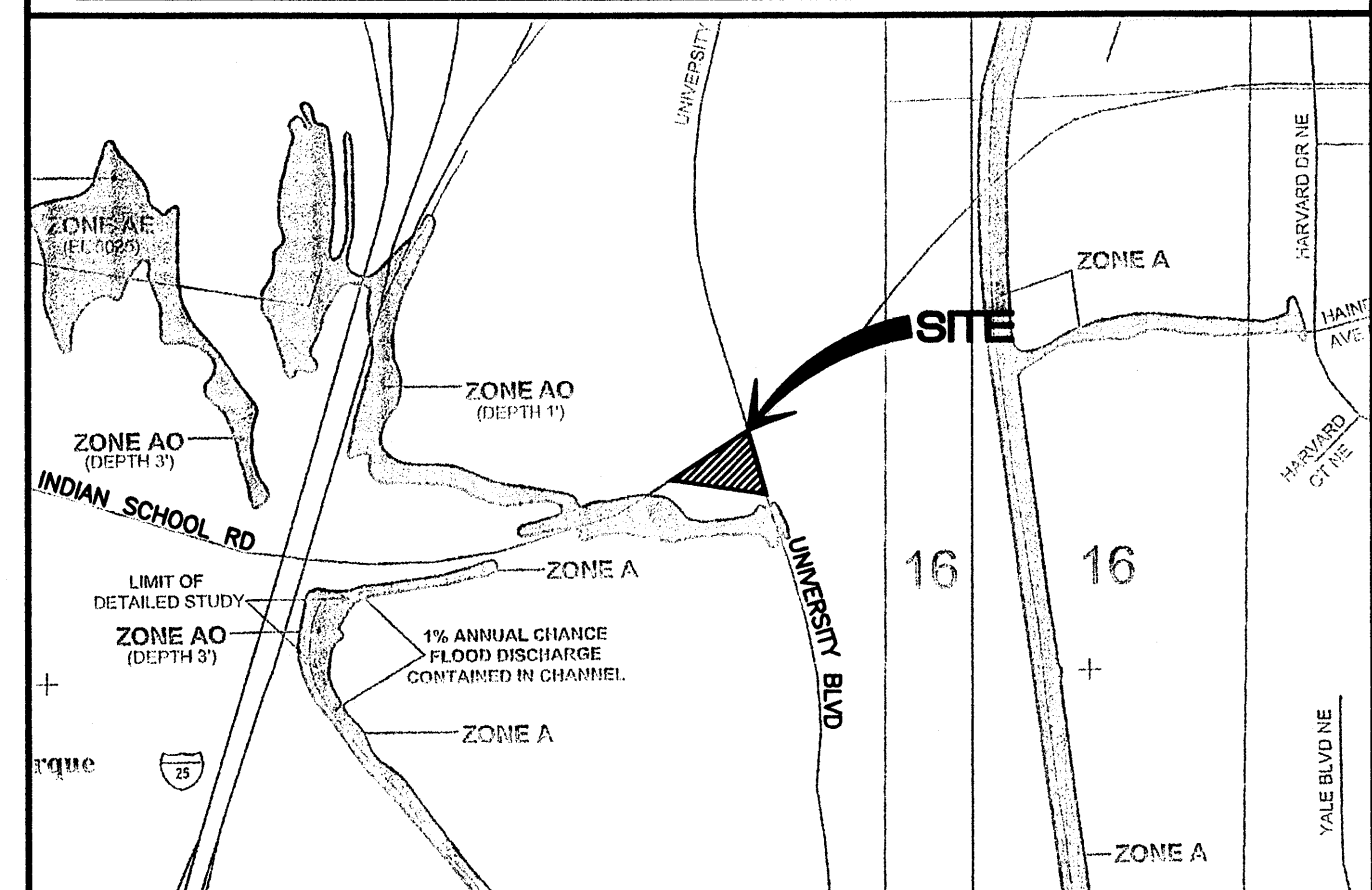
GRAPHIC SCALE



SCALE: 1"=20'



VICINITY MAP: J-15-Z



FIRM MAP: 35001C0332E AND 35001C0351E

RECEIVED

ROUGH GRADING APPROVAL

FEB 17 2010 DATE

HYDROLOGY SECTION

ENGINEER'S SEAL	VALERO, INDIAN SCHOOL RD AND UNIVERSITY BLVD GRADING AND DRAINAGE PLAN <div><div></div><div>TIERRA WEST, LLC</div><div>5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109 (505)858-3100 tierrawestllc.com</div></div>	DRAWN BY DY
		DATE 2/02/10
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