

BENCH MARK

BENCH MARK IS ACS STA. "9-J15" located on the curb on the north side of Lomas Boulevard, NE, 0.3 miles east of Interstate 25. ELEV. 5093.06 (NAVD 1988)

Nail in Asphalt, NE property corner; El: 5107.51

DRAINAGE NOTES:

- ALL ELEVATIONS GIVEN ARE TO TOP OF PROPOSED GRADE

NOTICE TO CONTRACTOR

PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ARE TO FINISH SURFACES AND ARE PROVIDED FOR THE PURPOSE OF SHOWING FLOW ROUTING.

CONTRACTOR IS RESPONSIBLE FOR THE ABATEMENT OF SEDIMENT ONTO ADJOINING PUBLIC RIGHTS-OF-WAY DURING CONSTRUCTION AND FOR THE REMOVAL OF ANY SEDIMENT DEPOSITED IN PUBLIC RIGHT-OF-WAY.

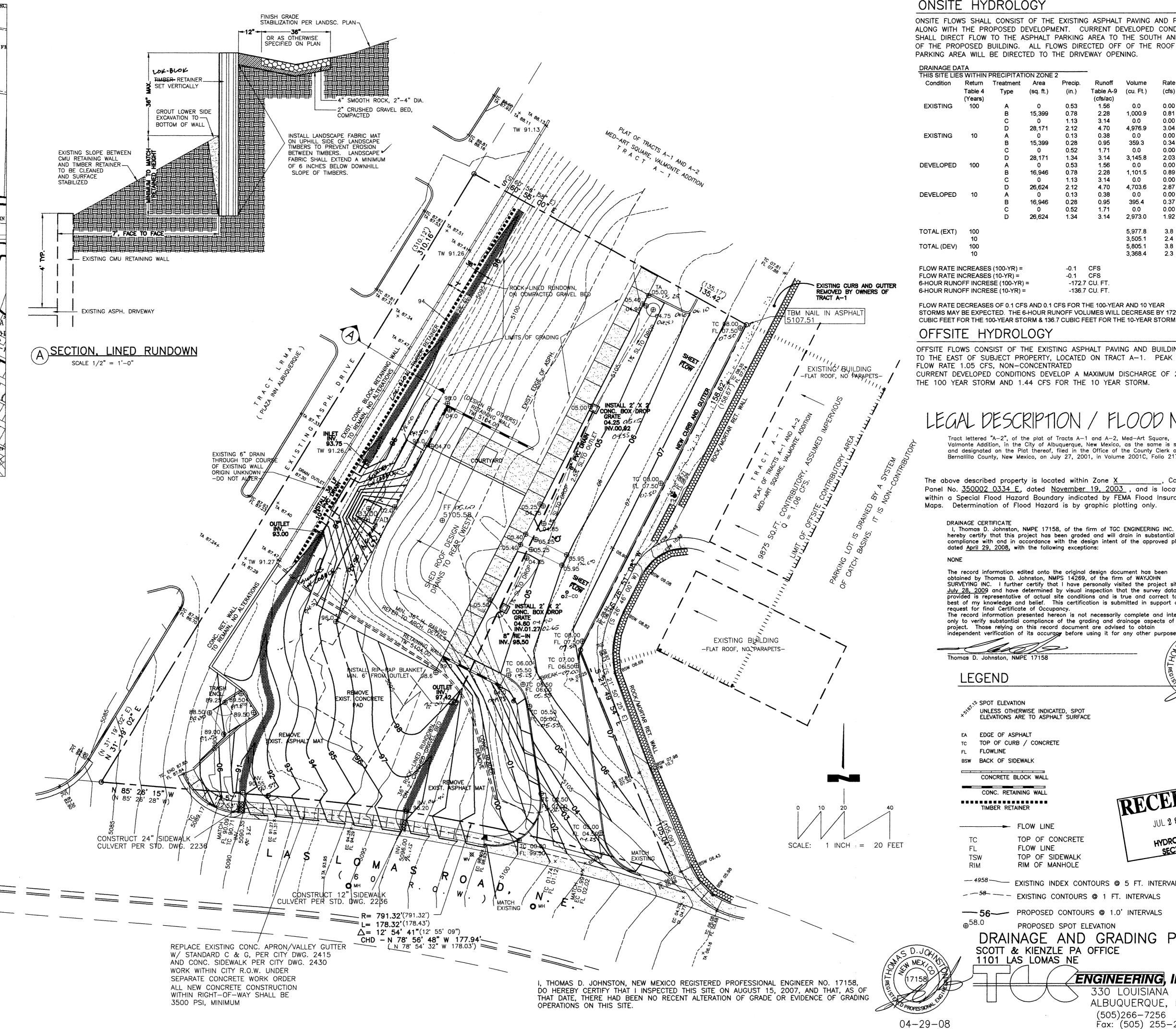
CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO ANY GRADING OR CONSTRUCTION.

ALL IMPROVEMENTS WITHIN CITY OF ALBUQUERQUE RIGHT OF WAY MUST BE CONSTRUCTED BY CITY OF ALBUQUERQUE WORK ORDER.

NOTICE TO CONTRACTORS

- An excavation/barricade permit will be required before beginning any work within the City
 of Albuquerque Right—of—way. An approved copy of these plans must be submitted at
 the time of application for these permits.
- All work detailed on these plans to be done, except as otherwise stated or provided hereon, will be constructed in accordance with "City of Albuquerque Interim Standard Specification for Public Works Construction, 1986", latest revision.
- Two working days prior to any excavation, the contractor must contact Line Locating Service, 260-1990, for location of existing utilities.
- 4. Prior to construction, the contractor will excavate and verify the horizontal and vertical locations of all construction. Should a conflict exist, the contractor will notify the Construction Engineer so that the conflict can be resolved with a minimum amount of delay.
- 5. The contractor will be responsible for performing soil density tests as required by the
- 6. Owner shall be responsible for maintenance of sidewalk culverts and shall ensure proper operation of culverts at all times.

APPROVALS FOR	NAME	DATE	TITLE OF PROJECT		
DESIGN: CITY HYDROLOGY	TW TWILE	Ditt	FOR: SCOTT & KIENZLE OFFICES		
CONSTRUCTION: CONSTRUCTION ENGINEER			LAS LOMAS ROAD, NE		
ACCEPTANCE: CONSTRUCTION INSPECTOR			PROJECT NO. ZONE ATLAS SHEET 1 OF 1 J-15		



ONSITE HYDROLOGY

ONSITE FLOWS SHALL CONSIST OF THE EXISTING ASPHALT PAVING AND PARKING ALONG WITH THE PROPOSED DEVELOPMENT. CURRENT DEVELOPED CONDITIONS SHALL DIRECT FLOW TO THE ASPHALT PARKING AREA TO THE SOUTH AND EAST OF THE PROPOSED BUILDING. ALL FLOWS DIRECTED OFF OF THE ROOF TO THE PARKING AREA WILL BE DIRECTED TO THE DRIVEWAY OPENING.

Condition	Return	Treatment	Area	Precip.	Runoff	Volume	Rate
	Table 4	Туре	(sq. ft.)	(in.)	Table A-9	(cu. Ft.)	(cfs)
	(Years)	. , , , ,	(()	(cfs/ac)	(,	\
EXISTING	`100 ´	Α	0	0.53	`1. 5 6 ´	0.0	0.00
		В	15,399	0.78	2.28	1,000.9	0.81
		С	Ō	1.13	3.14	0.0	0.00
		D	28,171	2.12	4.70	4,976.9	3.04
EXISTING	10	Α	0	0.13	0.38	0.0	0.00
		В	15,399	0.28	0.95	359.3	0.34
		С	0	0.52	1.71	0.0	0.00
		D	28,171	1.34	3.14	3,145.8	2.03
DEVELOPED	100	Α	0	0.53	1.56	0.0	0.00
		В	16,946	0.78	2.28	1,101.5	0.89
		С	0	1.13	3.14	0.0	0.00
		D	26,624	2.12	4.70	4,703.6	2.87
DEVELOPED	10	Α	0	0.13	0.38	0.0	0.00
		В	16,946	0.28	0.95	395.4	0.37
		С	0	0.52	1.71	0.0	0.00
		D	26,624	1.34	3.14	2,973.0	1.92
TOTAL (EXT)	100					5,977.8	3.8
	10					3,505.1	2.4
TOTAL (DEV)	100					5,805.1	3.8
	10					3,368.4	2.3

6-HOUR RUNOFF INCRESE (10-YR) = -136.7 CU. FT. FLOW RATE DECREASES OF 0.1 CFS AND 0.1 CFS FOR THE 100-YEAR AND 10 YEAR STORMS MAY BE EXPECTED. THE 6-HOUR RUNOFF VOLUMES WILL DECREASE BY 172.7

OFFSITE HYDROLOGY

OFFSITE FLOWS CONSIST OF THE EXISTING ASPHALT PAVING AND BUILDINGS TO THE EAST OF SUBJECT PROPERTY, LOCATED ON TRACT A-1. PEAK CONTRIBUTORY FLOW RATE 1.05 CFS, NON-CONCENTRATED CURRENT DEVELOPED CONDITIONS DEVELOP A MAXIMUM DISCHARGE OF 2.16 CFS FOR THE 100 YEAR STORM AND 1.44 CFS FOR THE 10 YEAR STORM

-0.1 CFS

-172.7 CU. FT.

LEGAL DESCRIPTION / FLOOD NOTE

Valmonte Addition, in the City of Albuquerque, New Mexico, as the same is shown and designated on the Plat thereof, filed in the Office of the County Clerk of Bernallillo County, New Mexico, on July 27, 2001, in Volume 2001C, Folio 217.

The above described property is located within Zone X Panel No. 350002 0334 E, dated November 19, 2003, and is located within a Special Flood Hazard Boundary indicated by FEMA Flood Insurance Rate Maps. Determination of Flood Hazard is by graphic plotting only.

> DRAINAGE CERTIFICATE I, Thomas D. Johnston, NMPE 17158, of the firm of TGC ENGINEERING INC. compliance with and in accordance with the design intent of the approved plan dated April 29, 2008, with the following exceptions:

The record information edited onto the original design document has been obtained by Thomas D. Johnston, NMPS 14269, of the firm of WAYJOHN SURVEYING INC. I further certify that I have personally visited the project site on July 28, 2009 and have determined by visual inspection that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for final Certificate of Occupancy. The record information presented 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 ndependent verification of its accuracy before using it for any other purpose

Thomas D. Johnston, NMPE 17158

LEGEND

 SPOT ELEVATION UNLESS OTHERWISE INDICATED, SPOT ELEVATIONS ARE TO ASPHALT SURFACE

EA EDGE OF ASPHALT

TC TOP OF CURB / CONCRETE FL FLOWLINE

BSW BACK OF SIDEWALK

CONCRETE BLOCK WALL

CONC. RETAINING WALL TIMBER RETAINER

> -- FLOW LINE TOP OF CONCRETE

FLOW LINE TOP OF SIDEWALK TSW RIM OF MANHOLE RIM

- 4958 - EXISTING INDEX CONTOURS @ 5 FT. INTERVALS

______ EXISTING CONTOURS @ 1 FT. INTERVALS

-56- PROPOSED CONTOURS @ 1.0' INTERVALS

PROPOSED SPOT ELEVATION DRAINAGE AND GRADING PLAN

SCOTT & KIENZLE PA OFFICE 1101 LAS LOMAS NE

> ENGINEERING, INC. 330 LOUISIANA BLVD. NE ALBUQUERQUE, NM 87108 (505)266 - 7256

Fax: (505) 255-2887

JUL 2 9 2009

HYDROLOGY

SECTION

04-29-08

THOMAS D. JOHNSTON, NMPE NO. 17158

