Zone Atlas Page **L-21-Z**

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF DURING CONSTRUCTION; HE SHALL ENSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

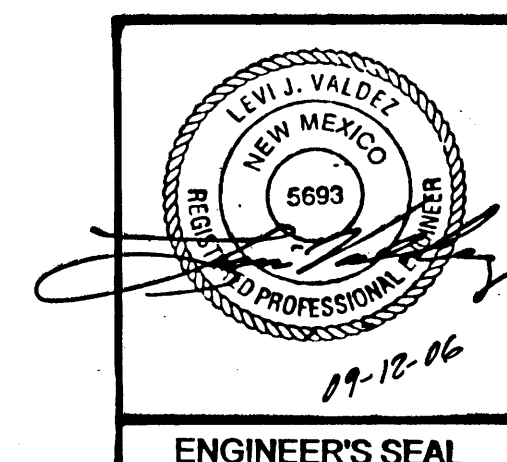
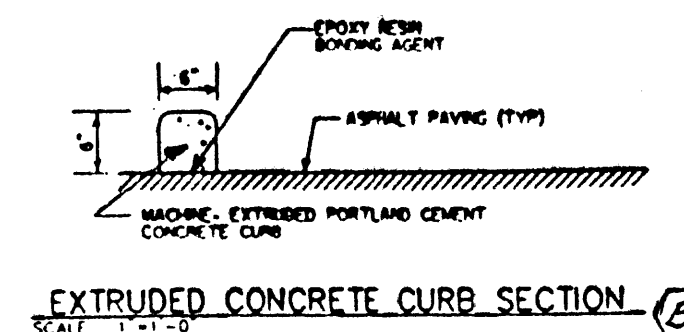
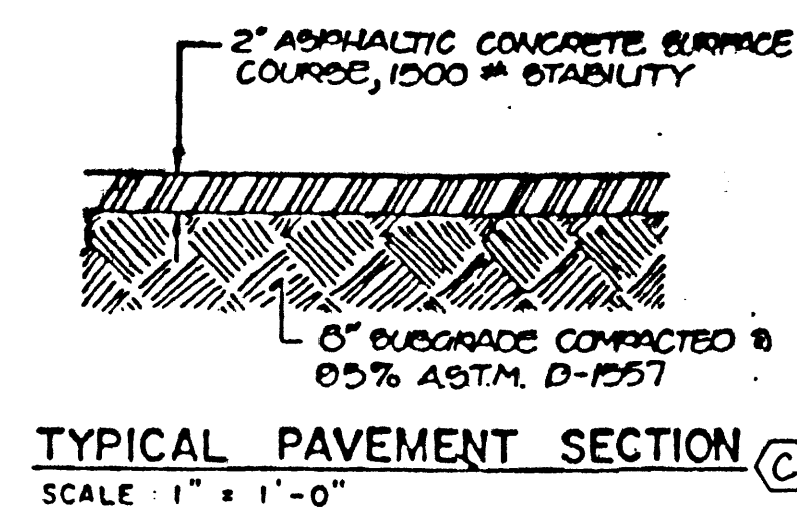
- 1) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF FROM LEAVING THE SUBJECT SITE AND ENTERING ADJACENT PROPERTIES.
- 2) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SUBJECT SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREET RIGHT-OF-WAYS.
- 3) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT FROM PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SUBJECT SITE AND DEPOSITED THEREON.

- 1) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 260-1190 FOR THE ACTUAL FIELD LOCATION OF THE EXISTING SURFACE OF SUB-SURFACE UTILITIES.
- 2) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS; SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
- 3) ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 4) ALL CONSTRUCTION WITHIN PUBLIC STREET RIGHT-OF-WAY(S) SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE/BERNALILLO COUNTY STANDARDS AND PROCEDURES.

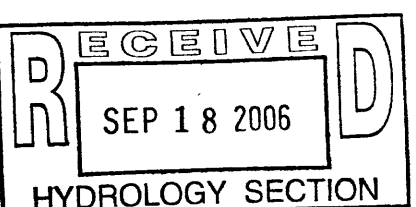
TOP OF CURB ELEVATION = $TC = 28.20$
CURB FLOWLINE ELEVATION = $FL = 28.25$
EXISTING SPOT ELEVATION = $\leftarrow 28.1$
EXISTING CONTOUR ELEVATION = $\leftarrow 31.0$
PROPOSED SPOT ELEVATION = $\leftarrow 34.00$
PROPOSED CONTOUR ELEVATION = $\leftarrow 33.0$
PROPOSED OR EXISTING CONCRETE SURFACE = $\leftarrow 32.0$
EXISTING FENCE LINE = $\times \times$

1) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.

2) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HERON.



**A PROPOSED
PAVING PLAN
FOR
11810 CENTRAL S.E.
ALBUQUERQUE, NEW MEXICO
AUGUST, 2006**



A.1 PRECIPITATION ZONES

Bernalillo County's four precipitation zones are indicated in TABLE A-1 and on FIGURE A-1.

ZONE	LOCATION
1	West of the Rio Grande
2	Between the Rio Grande and San Mateo
3	Between San Mateo and Embank, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East; South of Interstate 40
4	East of Embank, North of Interstate 40, and East of the East boundary of Range 4 East, South of Interstate 40

Zone	Intensity	100-YR (2-YR, 10-YR)
1	4.70 (1.84, 3.14)	
2	5.05 (2.04, 3.41)	
3	5.38 (2.21, 3.65)	
4	5.61 (2.34, 3.83)	

TABLE A-4. LAND TREATMENTS	
Treatment	Land Condition
A	Soil uncovered by human activity with 0 to 10 percent slopes. Native grasses, weeds and shrubs with typical densities with minimal disturbance to grade. Groundcover and infiltration capacity. Croplands. <u>Unflooded Arroyos.</u>
B	Irrigated lawns, parks and golf courses with 0 to 10 percent slopes. Native grasses, weeds and shrubs, and soil uncovered by human activity with slopes greater than 10 percent and less than 20 percent.
C	Soil uncovered by human activity. Minimal vegetation. Unpacked parking, gravel, sand, most waste loe. Gravel or rock on plane (down-sloping) Irrigated lawns and parks with slopes greater than 10 percent. Native grasses, weeds, shrubs, and soil uncovered by human activity with slopes of 20 percent or greater. Native grass, weed and shrub areas with clay or clay loam soils and other soils of very low permeability as classified by SCS Hydrologic Soil Group D.
D	Impervious areas, pavement and roofs.

Most watersheds contain a mixture of treatments. To develop a watershed treatment, measure representative subareas. In lieu of specific measurement for treatment D, the area percentages in Table A-5 may be employed

Zone	Treatment		100-YR (2-YR, 10-TR)	
	A	B	C	D
1	1.29 (0.00, 0.24)	2.03 (0.33, 0.76)	2.87 (0.47, 1.49)	4.37 (1.65, 2.89)
2	1.56 (0.00, 1.38)	2.28 (0.06, 0.95)	3.14 (0.60, 1.71)	1.70 (0.86, 3.14)
3	1.87 (0.00, 0.58)	2.60 (0.21, 1.19)	3.45 (0.78, 2.00)	5.02 (2.04, 3.39)
4	2.20 (0.05, 0.87)	2.92 (0.38, 1.45)	3.73 (1.00, 2.26)	5.25 (2.17, 3.57)

Drainage Comments:

As shown on the Vicinity Map hereon, the subject site is located at 11810 Central Avenue S.E. approximately 1/2 block west of Juan Tabo Blvd. S.E. in the City of Albuquerque, Bernalillo County, New Mexico, ("L-21-Z").

The subject site, 1.) is not located within a designated floodplain, 2.) will have no adverse impact to downstream conditions, 3.) does not contribute to the offsite flows of adjacent properties, 4.) does not accept offsite flows from adjacent properties 5.) is not located adjacent to a natural or artificial water course.

Calculations:

Per Section 22.2, Hydrology of the Development Process Manual, Volume 2., Design Criteria for the City of Albuquerque, New Mexico.

Site Area: 2.41 acre

Precipitation Zone: Three (3)

Peak Intensity: In./Hr. at T = Twelve (12) minutes, 100-Yr. - 6 Hr. = 5.38

C
Land Treatment Method for Calculation of "Q", Tables A-8 & A-9.

Land Treatment Factors, Table A-4. ^p

Treatment	Area/acres		Factor		Cfs
C	1.79	x	3.45	=	6.18
D	0.62	x	5.02	=	3.11

"Q" = 9.29 cfs
p

Developed Conditions:

Treatment	Area/acres	Factor	Cfs
C	1.69 x	3.45 =	5.83
D	0.72 x	5.02 =	3.61

"Q" = 9.44 cfs ***Increase = 0.15 cfs (Total site)
p

Bench Mark Reference:

ACS Station "I-L21(R)", Elevation = 5534.627, (T.B.M. as shown on the plan hereon).

Legal Description:

Lots 8, 9, 10, 11, 26, 27, 28, 29, and Lands of George W. Day, all in Block 7, EAST CENTRAL BUSINESS ADDITION, Albuquerque, New Mexico.