

EROSION CONTROL MEASURES:

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

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 **LOCATION MAP**

3000 PSI PCC PROVIDE -1/2" EXPANSION JOINT 6

(A) - C.M.U. BLOCK KUSLL(S)

(PROPOSED), 5'HIBH

HEADER CURB DETAIL (B)

- 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

CONSTRUCTION NOTES:

- CONTACT LINE LOCATING SERVICE AT 260-1990 FOR THE ACTUAL FIELD
- 2) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY
- 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 ALBUOUEROUE/BERNALILLO COUNTY STANDARDS AND PROCEDURES.

TOP OF CURB ELEVATION = 7C = 57.22 CURB FLOWLINE ELEVATION = # = 5G.58 EXISTING SPOT ELEVATION = . 4-563

EXISTING CONTOUR ELEVATION = --- 56.0 ---

PROPOSED SPOT ELEVATION = \$5650 PROPOSED CONTOUR ELEVATION = 58.0

PROPOSED OR EXISTING CONCRETE SURFACE = Jiring

EXISTING FENCE LINE = **GENERAL NOTES:**

- 1) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER
- 2) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN

Drainage Facilities within City Right-of-Way Notice to Contractor

1. An excavation permit will be required before beginning any work within City Right-

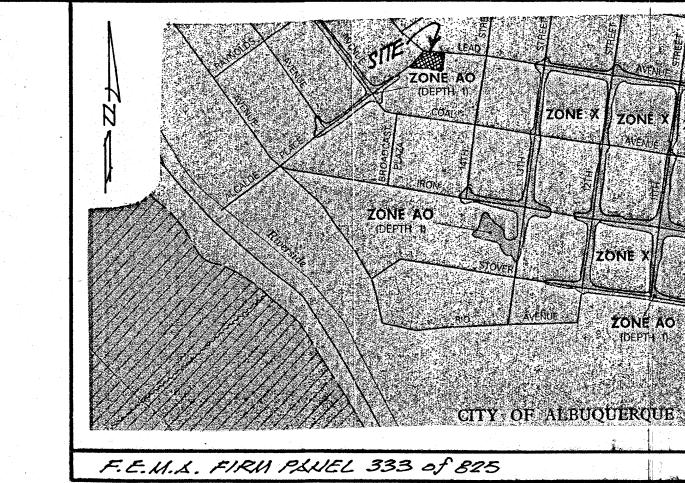
2. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health. 3. Two working days prior to any excavation, the contractor must contact the line locating service, New Mexico One Call 260-1990, for the location of existing utilities. 4. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. 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 the facility shall be the responsibility of the owner of the property 7. Work on arterial streets shall be performed on a 24-hour basis.

DATE APPROVALS NAME

HYDROLOGY INSPECTOR

NOTE: ALL WORK WITHIN PUBLIC EASEMENT SHALL BE PERFORMED UNDER SEPARATE PERMIT.



SUTTER WITH CAR FORT ROW DOGING INTO ROW TO SULL ON TO SULL ON THE SULL ONE PARKETS

HUNING CAPTLE ADDITION +

APPHALT PAVING

C - LANDSCAPE AREA

KOTE: EXIST DRAIN DOWNSPOUT THRU

WIXL TO BE ELIMIKINTED.

LEGAL DESCRIPTION:

Albuquerque, New Mexico.

BENCHMARK REFERENCE:

(EXISTING MILTI-STORY APT. BUILDING)

Lots 1-PI thru 5-PI, inclusive, of the Replat of Tract A-I, Block 29, of HUNING CASTLE ADDITION,

ACS Station "7-K13" located at the intersection of Alcalde Drive S.W. and Tingley Drive S.W.;

Elevation = 4956.95 (Project T.B.M. as shown on the plan hereon).

DRAINAGE CERTIFICATION: I, LEVI J. VALDEZ, N.M.P.E. NO. 5693, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED OCTOBER 2, 200G. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOW-LEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A RE-QUEST FOR PERMANENT 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 INDEPENDENT VERIFICATION OF ITS

"LS-BUILT" ELEVATIONS SHOKIN THUS (5782).

WIDEN EXIST. CURB CUT TO

EXIST. IG' CURB

CUT FOR ALLEY

£=57.36

ALLEY SLOPES E'LY

NOTE: PROVIDE G" HIGH X 24"

WIDE OPENING IN WALL

PAVING ARRISET

ENGINEER'S SEAL

Norksheet for Rectangular Channel

0.6410 %

2.00 ਜੋ

2.20 f

2.00 ft

0.10 . ft

0.006022 ft/ft

1.83 ft/s

0.15 ft

1.03

Bottom Width

Flow Area

Critical Depth

Critical Slope

Velocity Head Specific Energy

Froude Number

Flow is supercritical.

A.1 PRECIPITATION ZONES

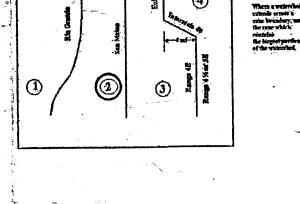
Bernalillo County's four precipitation zones are indicated in TABLE A-1 and on FIGURE A-1.

TABLE A-1. PRECIPITATION ZONES ZONE LOCATION 1 West of the Rio Grande 2 Between the Rio Grande and San Mateo Between San Mateo and Eubank, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East; South of Interstate 40 East of Eubank, North of Interstate 40; and East of the East boundary of Range 4 East, South of Interstate 40

TABLE A-10. PEAK INTENSITY (IN/HR at t =0.2 hour)						
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	ſ	5.61 (2.34, 3.83)	•			

TABLE A-4. LAND TREATMENTS Land Condition incompacted by human activity with 0 to 10 percen slopes. Native grasses, weeds and shrubs in typical lensities with minimal disturbance to grading, groundcover and infiltration capacity. Croplands. Irrigated lawns, parks and golf courses with 0 to 10 percent slopes. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes greater than 10 percent and less than 20 percent. regetation. Unpaved parking, roads, trails. Most vacant ots. Gravel or rock on plastic (desert landscaping). Irrigated lawns and parks with slopes greater than 10 uncompacted by human activity with slopes at 20 percent or greater. Native grass, weed and shrub areas with clay or clay loam soils and other soils of very low permeabi as classified by SCS Hydrologic Soil Group D. nents, measure respective subareas. In lieu of specific measurement for ment D, the areal percentages in TABLE A-5 may be employed

	TABLE A-9. PEAK DISCHARGE (cfs/acre)						
	Zone	Treatment 100-YR (2-YR, 10-TR)					
1		A	В	C	D		
	1	1.29 (0.00, 0.24)	2.03 (0.33, 0.76)	2.87 (0.47, 1.49)	4,37 (1.69, 2.89)		
	0	(0.00, 0.38)	2.28 (0.08, 0.95)	3.14 (0.60, 1.71)	4.70 1.86, 3.14)		
	3	1.87 (0.00, 0.58)	2.60 (0.21, 1.19)	3.45 (0.78, 2.009)	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)		



As shown on the Vicinity Map hereon, the subject site is located on the South side of Alcalde Place S.W., one-half block North of Coal Avenue S.W., in the City of Albuquerque, New Mexico, (Zone Atlas Map "K-13-Z").

The subject site is presently a vacant infill property; the proposed plan as shown hereon, is to construct Five (5) townhome units on said property together with associated improvements

The subject site, 1.) is located within Zone "X" and is not located within a Special Flood Hazard Boundary as indicated by F.E.M.A. Firm Panel 333 of 825, 2.) does not contribute to off-site flows of adjacent properties, 3.) accepts minimal offsite flows from the adjacent 16' unimproved public alley lying East of the subject site, 4.) developed flows to be free-discharged will not have an adverse impact to downstream flooding conditions (Zone AO, Depth 1')

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

Site Area: 0.48 Acre Precipitation Zone: Two (2)

Peak Intensity: IN./HR. at Tc = Twelve (12) Min., 100-Yr.-6Hr.= 5.05 Land Treatment Method for the Calculations of "Qp", Tables A-8 & A-9. Land Treatment Factors, Table A-4

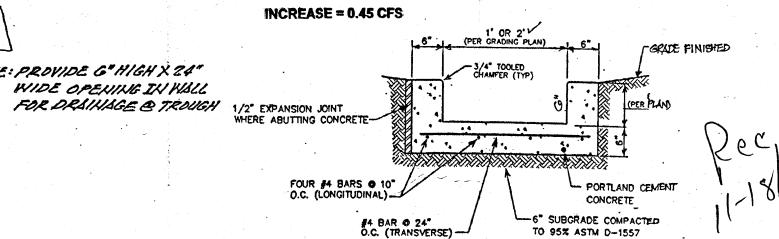
AREA/ACRES

EXISTING CONDITIONS:

TREATMENT

C	0.48	X	3.14	=	1.51
D "Qp" = 1.51 CFS	0.00	X	4.70	=	0.00
PROPOSED DEVE	LOPED CONDITIO	ONS:			
TREATMENT	AREAACRE	E S	. FACTO	R	CFS
C	0.19	х	3.14	=	0.60

"Qp" = 1.96 CFS



GRADING AND DRAINAGE PLAN

"ENGINEER'S CERTIFICSTION"

A PROPOSED PLAN ALCALDE TOWNHOMES K-13/DD49 (ALCALDE PLACE-S.W.) ALBUQUERQUE, NEW MEXICO

AUGUST, 2006

