

VICINITY MAP  
ZONE ATLAS PAGE: K-16-Z  
NO SCALE

### EXISTING ON-SITE CONDITIONS

THE PROJECT SITE IS APPROXIMATELY 8,712 S.F. TOTAL, OF WHICH 2,755 S.F. ARE ASPHALT PAVED WITH THE REMAINDER OF THE PROPERTY CONSISTING OF BASE COURSE AND RECYCLED ASPHALT SURFACING. THE PROJECT SITE HAS A HIGH POINT 55FT FROM THE EAST END WITH APPROXIMATELY A 1% SLOPE EAST AND WEST OF THE HIGHPOINT. THE EXISTING LAND TREATMENTS ARE CATEGORIZED AS: 0% A, 0% B, 70% C AND 30% D.

### PROPOSED DEVELOPMENT

THE PROPOSED IMPROVEMENTS WILL CONSIST OF A NEW ASPHALT PAVED SURFACE PARKING LOT GRADED AS REQUIRED TO PROVIDE POSITIVE DRAINAGE IN THE PAVED AREA. THE TOTAL AREA OF THE PROPOSED IMPERVIOUS IMPROVEMENTS ARE ESTIMATED AT 8,712 S.F. THE EAST HALF OF THE PARKING LOT AREA WILL DRAIN EAST TO THE EXISTING ALLEY AND THENCE TO CENTRAL AVE. THE WEST HALF OF THE PARKING LOT AREA WILL DRAIN WEST TO WELLESLEY STREET. THE SITE CONSISTS OF ONE DRAINAGE BASIN, A. THE LAND TREATMENTS ARE PROVIDED IN THE HYDROLOGY TABLES BELOW.

### STORM WATER ROUTING

STORM WATER FROM THE WEST END OF BASIN A FREE DISCHARGES TO WELLESLEY DRIVE WHILE THE EAST END OF BASIN A FREE DISCHARGES TO THE EXISTING ALLEY LOCATED ON THE EASTERN BOUNDARY OF THE PROPOSED PROPERTY AND INTO CENTRAL AVE.

### SPECIAL ORDER 19 DRAINAGE FACILITIES WITHIN THE CITY RIGHT-OF-WAY NOTICE TO CONTRACTOR

- 1) AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 2) ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HERON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7 AMENDMENT 1.
- 3) TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- 4) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 5) BACK FILL COMPACTION SHALL BE ACCORDING TO TRAFFIC / STREET USE.
- 6) MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.
- 7) WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24 - HOUR BASIS.

### GENERAL NOTES:

1. BEARINGS ARE THRU NORTH BASED ON GPS CONSTELLATION.
2. COORDINATES ARE GROUND/PROJECT VALUES.
3. THE BASIS OF ELEVATIONS IS NGVD 88 FROM ACS BC 6-K-17, ELEVATION (FEET) = 5202.38.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES DURING THE CONSTRUCTION PHASE.
5. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR CONSTRUCTION.
6. CONTRACTOR SHALL OBTAIN A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO ANY GRADING OR CONSTRUCTION.
7. TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OR EXISTING UTILITIES.
8. SUBGRADE PREP AND BASE COURSE SHALL BE COMPACTED 95% OF MAXIMUM DENSITY. THICKNESS OF SUBGRADE PREP, BASE COURSE AND ASPHALT PAVEMENT TO BE SELECTED BY THE OWNER AND THE CONTRACTOR.
9. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER(S) OF THE PROPERTY SERVED.
10. ALL CONCRETE SHALL BE A MINIMUM OF 3000 P.S.I.
11. ALL EXISTING TOPOGRAPHIC DATA SHOWN ON THESE PLANS HAS BEEN PROVIDED BY BOTSFORD LAND SURVEYING, INC. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
12. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
13. THE SUBJECT PROPERTY IS LOCATED WITHIN ZONE X. DESIGNATING AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLANE ACCORDING TO THE FLOOD INSURANCE RATE MAP, BERNALILLO COUNTY, NEW MEXICO AND INCORPORATED AREAS PER MAP NO 35001C0353E, EFFECTIVE DATE NOVEMBER 19, 2003.

### OFFSITE FLOWS

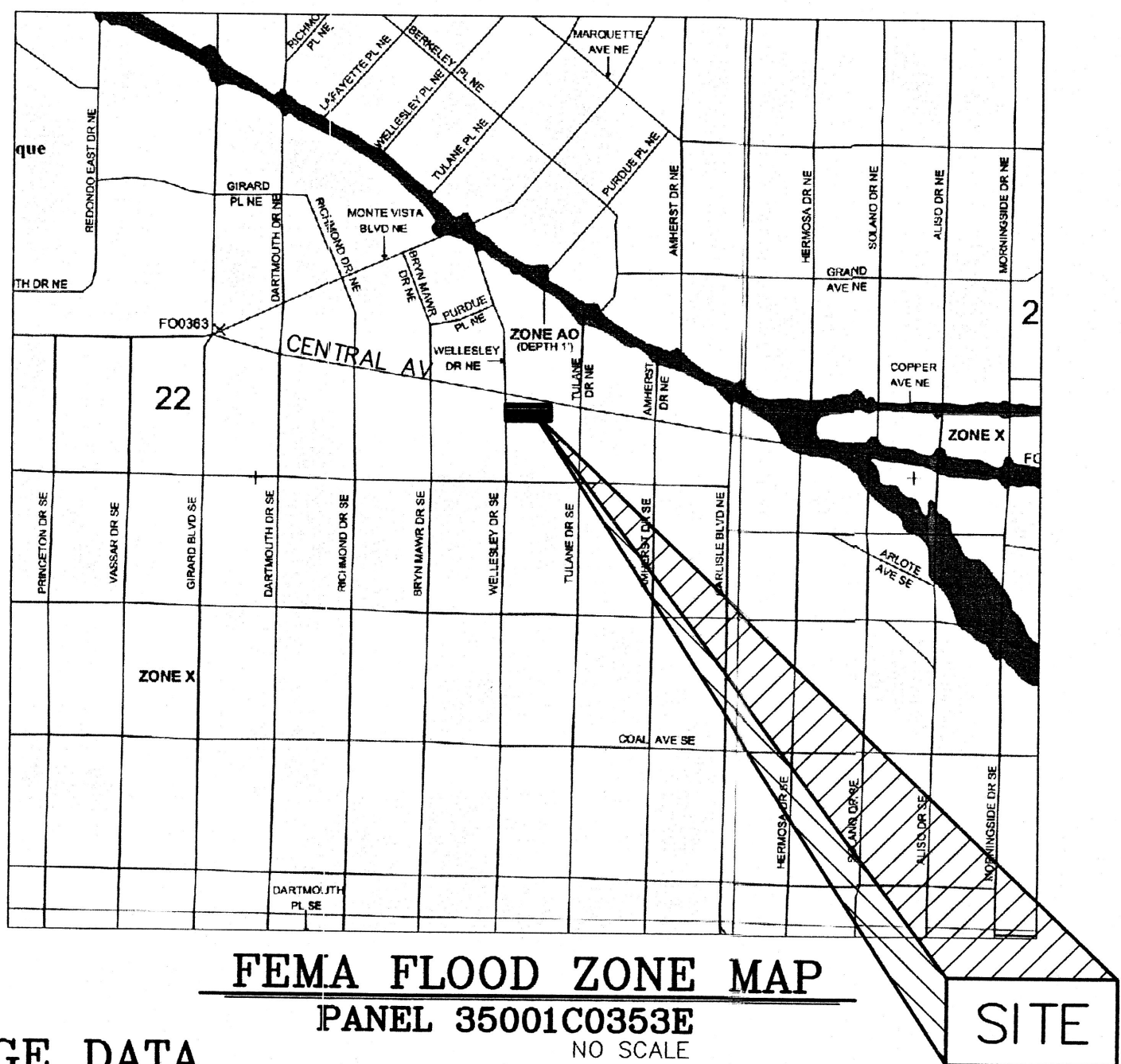
THIS PROJECT SITE DOES NOT RECEIVE ANY SIGNIFICANT OFFSITE FLOWS.

### CONCLUSION

THE IMPERVIOUS AREAS FOR PROPOSED CONDITIONS IS 100% OF THE TOTAL SITE AREA. BASIN A WILL FREE DISCHARGE INTO WELLESLEY AND CENTRAL AVE. THE INCREASED PEAK DISCHARGE FROM BASIN A DUE TO THE DEVELOPMENT IS ESTIMATED AT 0.22 CFS.

### LEGAL DESCRIPTION

LOT 2, BLOCK 48 OF UNIVERSITY HEIGHTS ADDITION



FEMA FLOOD ZONE MAP  
PANEL 35001C0353E  
NO SCALE

### DRAINAGE DATA

#### HYDROLOGY

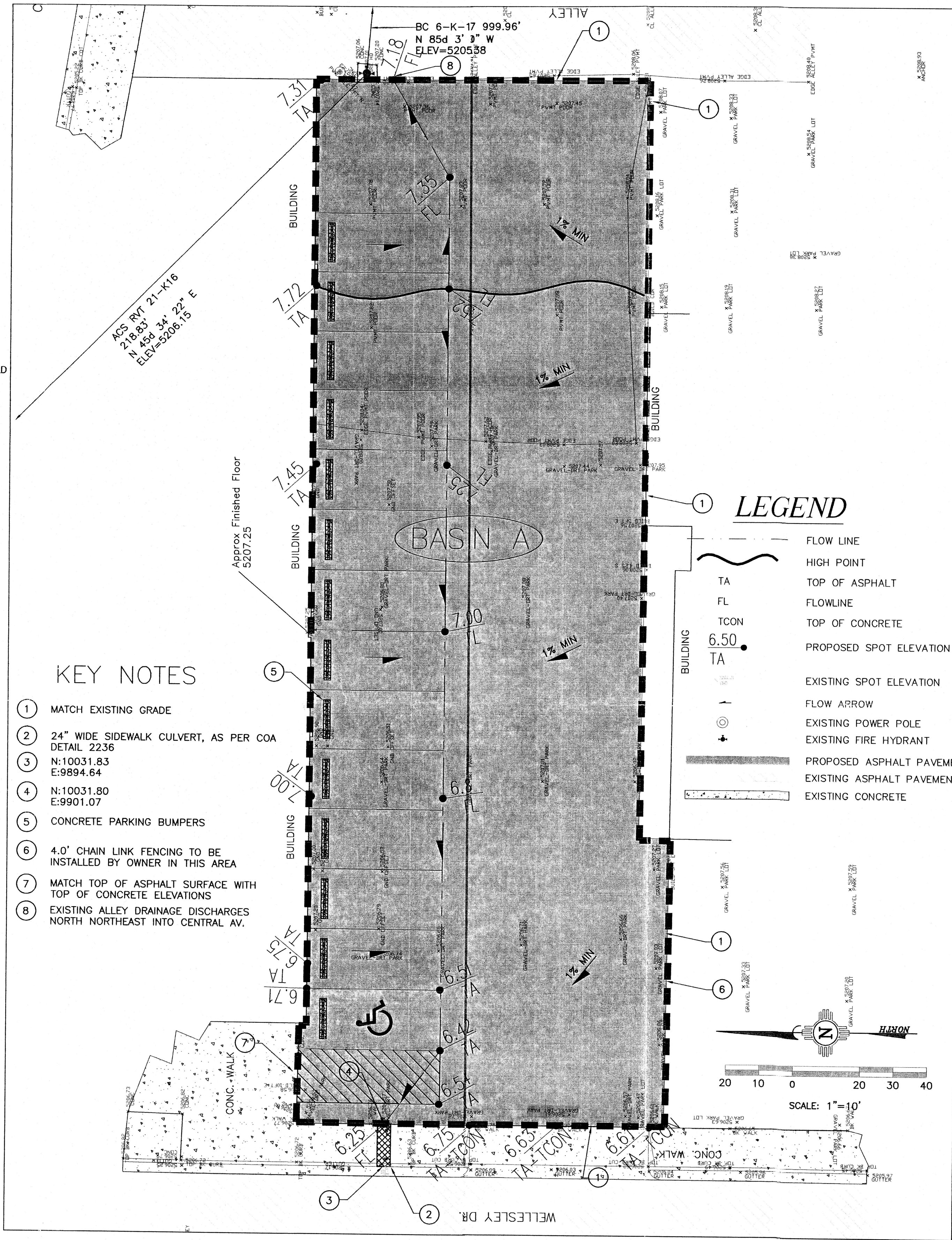
Precipitation Zone 2 - 100-year Storm P(360) = 2.35 in P(1440) = 2.75 in

Basin	Area (Ac)	Land Treatment Factors				Ew (in)	V(100-6) (af)	V(100-24) (af)	Q(100) (cfs)
		A	B	C	D				
Existing Conditions									
Site	0.20	0.00	0.00	0.14	0.06	1.43	0.024	0.026	0.72
Proposed Conditions									
Site	0.20	0.00	0.00	0.00	0.20	2.12	0.035	0.042	0.94

#### HYDROLOGY

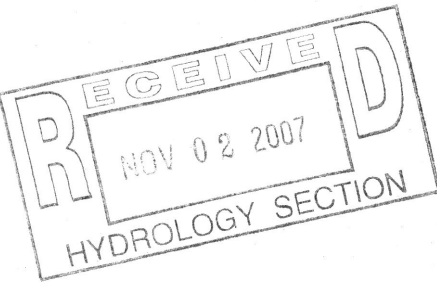
Precipitation Zone 2 - 10-year Storm P(360) = 1.56 in P(1440) = 1.83 in

Basin	Area (Ac)	Land Treatment Factors				Ew (in)	V(10-6) (af)	V(10-24) (af)	Q(10) (cfs)
		A	B	C	D				
Existing Conditions									
Site	0.20	0.00	0.00	0.14	0.06	0.77	0.013	0.014	0.43
Proposed Conditions									
Site	0.20	0.00	0.00	0.00	0.20	1.34	0.022	0.027	0.63



APPROVAL	NAME	DATE
INSPECTOR		

HYDROLOGY



MILLER ENGINEERING CONSULTANTS  
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Designed	Job #	File	Date
VAM	E-07-052	MD-GD.DWG	10-2-07
Drawn	RUC	Checked	VAM



Engineers Stamp

NEW MEXICO	BERNALILLO COUNTY	GERTRUDE ZACHARY	NOB HILL	GRADING AND DRAINAGE PLAN
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Revision Description		Date	Mark

Sheet GD-1