

October 30, 1997

Martin J. Chávez, Mayor

Chris Weiss C.L. Weiss Engineering P.O. Box 97 Sandia Park, NM 87047

RE: DOWNTOWN PARKING LOT (K14-D66). GRADING AND DRAINAGE PLAN FOR BUILDING AND SO #19 PERMIT APPROVALS. ENGINEER'S STAMP DATED 10-9-97.

Dear Mr. Weiss:

Based on the information provided on your October 10, 1997 submittal, the above referenced project is approved for Building and SO #19 Permits.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

A separate permit is required for construction within the City right-of-way. A copy of this approval letter must be on hand when applying for the excavation permit.

Prior to Certificate of Occupancy approval, and Engineer's Certification will be required.

If I can be of further assistance, please feel free to contact me at 924-3984.

Sincerely,

Lisa Ann Manwill, P.E

Hydrology '

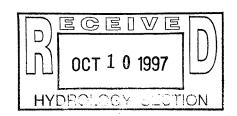
c: Arlene Portillo Andrew Garcia File

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Downtown Parking Lot	TION SHEET		
PROJECT TITLE: Downtown Parking Lot	ZONE ATLAS / DRNG. FILE #: K-14		
LEGAL DESCRIPTION: A Portion of Block 28, New Mexico Town	Company's Original Townsite, Albuquerque, NM		
CITY ADDRESS: N/A			
ENGINEERING FIRM: C.L. Weiss Engineering	CONTACT: Chris Weiss		
ADDRESS: P.O. Box 97, Sandia Park NM, 87047	PHONE: 281-1800		
OWNER: N/A	_ CONTACT:		
ADDRESS:	PHONE:		
ARCHITECT: Van H. Gilbert Architect - AIA	CONTACT: Dick Dawson		
ADDRESS: 319 Central Ave.NW - Suite 210 - 87102	PHONE: 247-9955		
SURVEYOR: Forstbauer Surveying Co.	CONTACT: Ron Forstbauer		
ADDRESS: 1100 Alvarado Dr. NE - 87110	PHONE: 268-2112		
CONTRACTOR FIRM: N/A	_ CONTACT:		
ADDRESS:	PHONE:		
PRE-DESIGN MEETING:			
X_YES	DRB NO		
NO	EPC NO		
COPY OF CONFERENCE RECAP SHEET PROVIDED	PROJ. NO.		
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:		
DRAINAGE REPORT	SKETCH PLAT		
XDRAINAGE PLAN	PRELIMINARY PLAT		
CONCEPTUAL GRADING & DRAINAGE PLAN	SITE DEVELOPMENT PLAN		
X GRADING PLAN	FINAL PLAT		
EROSION CONTROL PLAN	X BUILDING PERMIT		
ENGINEER'S CERTIFICATION	FOUNDATION PERMIT		
	CERT. OF OCCUPANCY		
	ROUGH GRADING PERMIT		
	GRADING / PAVING PERMIT		
	TO THE STATE OF TH		
DATE SUBMITTED: October 9, 1997	[] ОСТ 1 0 1997 []		
BY: C.L. Weiss Engineering, Inc.	HYDROLOGY SECTION		

CALCULATIONS: Calculations are based on the Drainage Design Criteria for City of Albuquerque, Section 22,2, DPM, Vol 2, dated Jan., 1993 **ON-SITE AREA OF SITE: Upper portion only** 72606 1.667 Ac. (note: The term "developed" refers to construction of the proposed plan. PRE-DEVELOPMENT FLOWS: **DEVELOPED FLOWS: EXCESS PRECIPITATION:** On-Site Historic Land Condition On-Site Developed Land Condition Precip. Zone Arca a 0 SF Area a 0 SF Ea =0.53 Area b = 3630 SF Eb = 0.78Area b 7506 SF Area c = 0 SF Area c = 0 SF Ec = 1.13Area d = 68976 SF Area d = 65100 SF Ed = 2.12Total Area = 72606 SF Total Area 72606 SF On-Site Weighted Excess Precipitation (100-Year, 6-Hour Storm) Weighted E = EaAa + EbAb + EcAc + EdAd Aa + Ab + Ac + AdHistoric Е 2.05 in. Developed E 1.98 in. On-Site Volume of Runoff: V360 = E*A / 12 12422 Historic V360 CF Developed V360 11989 On-Site Peak Discharge Rate: Qp = QpaAa+QpbAb+QpcAc+QpdAd / 43,560 For Precipitation Zone Qpa 1.56 Qpc 3.14 Qbb 2.28 Qpd 4.70 Historic Qp 7.6 **CFS** Developed Qp 7.4 CFS

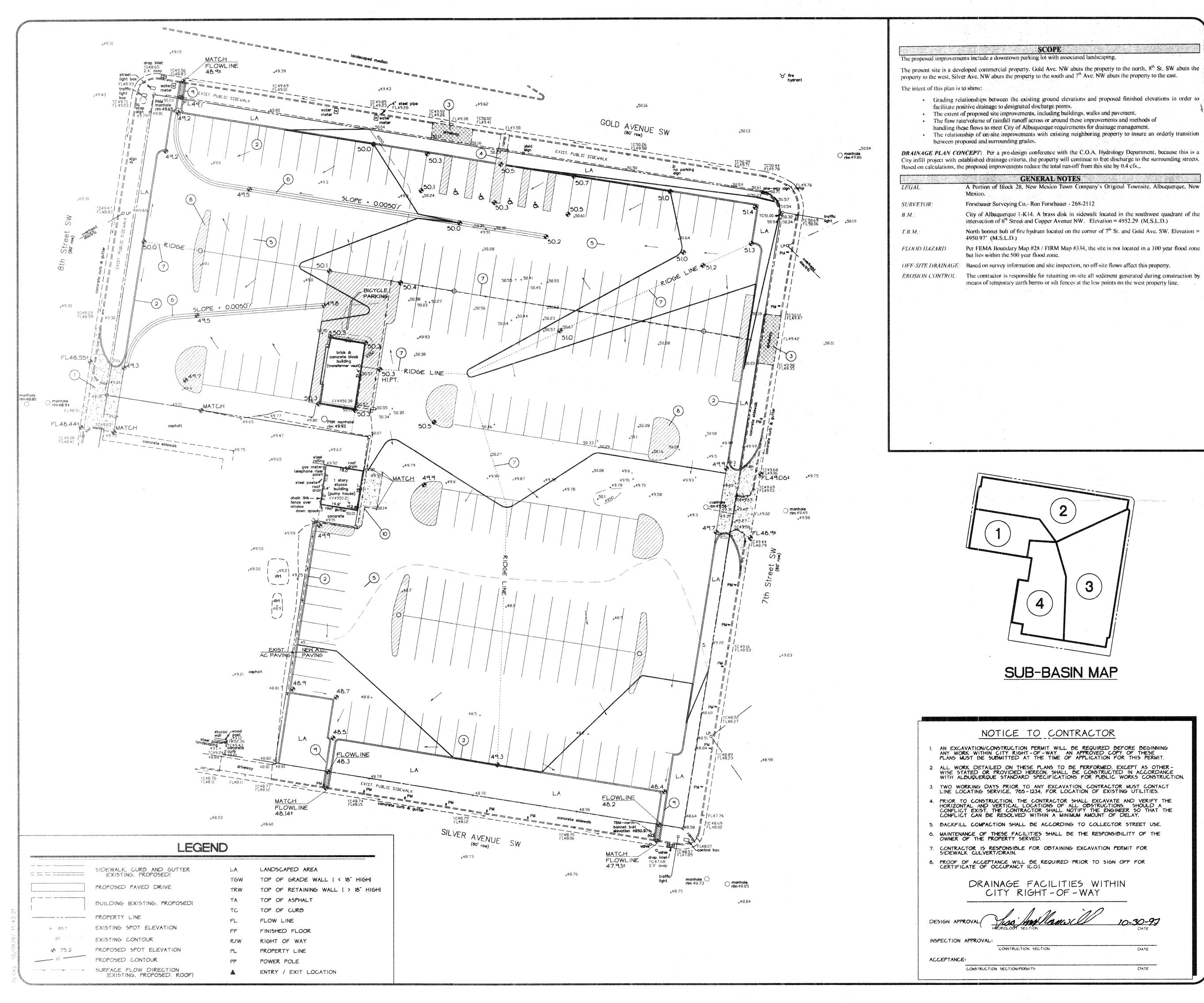
to be released directly into surrounding streets at 4 locations - see subbasins below



BASIN 1 Area of basin flows = 9406 SF 0.2Ac. Precip. Zone 2 The following calculations are based on Treatment areas as shown in table to the right Off-Site Weighted Excess Precipitation (see formula above) Weighted E 2.12 in. TREATMENT Off-Site Volume of Runoff (see formula above) A =0% V360 1662 B =0% Off-Site Peak Discharge Rate: (see formula above) C =0% D =100% To be released into 8th St. SW at the proposed drive entrance. **BASIN 2** Area of basin flows = 17762 SF 0.4Ac. Precip. Zone 2 The following calculations are based on Treatment areas as shown in table to the right Off-Site Weighted Excess Precipitation (see formula above) Weighted E 2.12 in. TREATMENT Off-Site Volume of Runoff (see formula above) A =0% V360 3138 CF B =0% Off-Site Peak Discharge Rate: (see formula above) C =0% Qp. cfs D =100% To be released into Gold Ave. SW at the proposed sidewalk culvert BASIN 3 Area of basin flows = 23030 SF 0.5 Ac. Precip. Zone The following calculations are based on Treatment areas as shown in table to the right Off-Site Weighted Excess Precipitation (see formula above) Weighted E 2.12 in. TREATMENT Off-Site Volume of Runoff (see formula above) A = 0% V360 4069 B =0% Off-Site Peak Discharge Rate: (see formula above) C =0% Qp 2.5 D =100% To be released into Silver Ave. SW at the proposed sidewalk culvert **BASIN 4** Area of basin flows = 13997 SF Ac. Precip. Zone The following calculations are based on Treatment areas as shown in table to the right Off-Site Weighted Excess Precipitation (see formula above) Weighted E 2.12 in. TREATMENT Off-Site Volume of Runoff (see formula above) A =0% V360 2473 B = 0% Off-Site Peak Discharge Rate: (see formula above) C =0% Qp D =100%

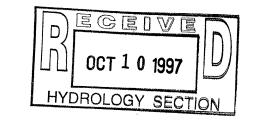
To be released into Silver Ave. SW at the proposed sidewalk culvert

Note: Total Basin flows reflect flows (1.0 cfs + 1.9 cfs + 2.5 cfs + 1.5 cfs) leaving site to City streets at basin outlets. The remaining 0.5 cfs falls within the perimeter landscaping area.

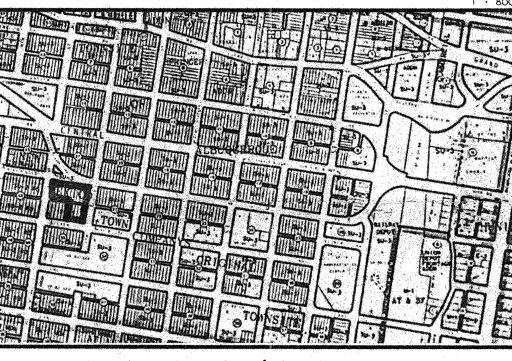


KEYNOTES

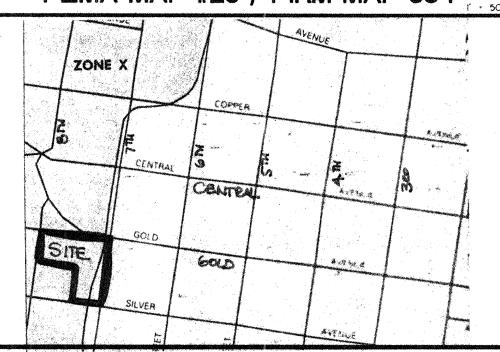
- 1) CONSTRUCT CONCRETE DRIVEPAD AT ELEVATIONS SHOWN. SEE ARCHITECTURAL FOR DEMOLITION NOTES AND ADDITIONAL INFORMATION.
- 2 CONSTRUCT CONCRETE HEADER CURB PER C.O.A. STD. DWG. 2415. TYPICAL OF ALL CURBS.
- 3 REMOVE EXISTING DRIVEPAD AND REPLACE WITH SIDEWALK PER C.O.A. STD. DWG. 2430. MATCH TOP OF WALK ELEVATIONS TO PROVIDE SMOOTH TRANSITION.
- 4 CONSTRUCT ASPHALT PAVING AT ELEVATIONS SHOWN AT THE EXISTING HANDICAP RAMP. MATCH TOP OF EXISTING RAMP ELEVATION. MAXIMUM SLOPE TO BE 1:20. MAXIMUM CROSS-SLOPE TO BE 2%.
- (5) 2" A.C. PAVING OVER 6" COMPACTED BASE COURSE. TYPICAL.
- 6 CONSTRUCT 2' WIDE X 3/4" DEEP ALLEY GUTTER AT ELEVATIONS SHOWN, SLOPE . 0.0050'/. SEE C.O.A. STD. DWG. 2415 FOR ADDITIONAL INFORMATION.
- 7 DASHED LINE REPRESENTS RIDGE LINE IN PAVING WHICH SUBDIVIDES THE SITE INTO FOUR SUB-BASINS. SEE SEPARATE CALCULATIONS / BASIN MAP THIS SHEET FOR ADDITIONAL INFORMATION.
- 8 SEE ARCHITECTURAL FOR PARKING LOT STRIPING THROUGHOUT.
- 9 CONSTRUCT 2' WIDE U-SHAPED CONCRETE CHANNEL / SIDEWALK CULVERT AT ELEVATIONS SHOWN, SEE C.O.A. STD. DWG. 2236 FOR ADDITIONAL INFORMATION, PROVIDE STEEL PLATE TOP FROM PROPERTY LINE TO FACE OF CURB. MATCH TOP OF WALK FOR SMOOTH TRANSITION.
- (O) EXISTING CONCRETE TO REMAIN AS SHOWN. MATCH WITH TOP OF ASPHALT TO PROVIDE SMOOTH RIDING TRANSITION.



VICINITY MAP #K-14



FEMA MAP #28 / FIRM MAP 334



C.L. WEISS ENGINEERING, INC



SANDIA PARK OFFICE POST OFFICE BOX SANDIA PARK NM, 8704 (505) 281 - 1800 ALVARADO OFFICE 1100 ALVARADO DR. NE ALBUQUERQUE, NM 87110 (505) 266-3444



DATE

THIS DESIGN, CALCULATIONS. AND CONCEPTS ARE OWNED BY AND REMAIN THE PROPERTY OF CL. WEISS ENGINEERING INC. AND NO PART THEREOF SHALL BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER EXCEPT WITH THE WRITTEN PERMISSION OF CHRISTOPHER L. WEISS, P.E. Q

Downtown Parking Lot

*	20'	Drawn By: BJB	Checked By: CLW	Job Number:	Date: OCT. 19	19
Drainage and				C-1		
		Grac	ling Pla	an	Sh. 1 of 1	

NOTICE TO CONTRACTOR

SUB-BASIN MAP

2

3

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHER WISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITHIN A MINIMUM AMOUNT OF DELAY.
- 5. BACKFILL COMPACTION SHALL BE ACCORDING TO COLLECTOR STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- 7. CONTRACTOR IS RESPONSIBLE FOR OBTAINING EXCAVATION PERMIT FOR SIDEWALK CULVERT/DRAIN.
- 8. PROOF OF ACCEPTANCE WILL BE REQUIRED PRIOR TO SIGN OFF FOR CERTIFICATE OF OCCUPANCY (C.O.).

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY

CONSTRUCTION SECTION

facilitate positive drainage to designated discharge points.

between proposed and surrounding grades.

4950.97' (M.S.L.D.)

but lies within the 500 year flood zone.

handling these flows to meet City of Albuquerque requirements for drainage management.

GENERAL NOTES

Forstbauer Surveying Co.- Ron Forstbauer - 268-2112

A Portion of Block 28, New Mexico Town Company's Original Townsite, Albuquerque, New

City of Albuquerque 1-K14. A brass disk in sidewalk located in the southwest quadrant of the

North bonnet bolt of fire hydrant located on the corner of 7th St. and Gold Ave. SW. Elevation =

Per FEMA Boundary Map #28 / FIRM Map #334, the site is not located in a 100 year flood zone

means of temporary earth berms or silt fences at the low points on the west property line.

intersection of 6th Street and Copper Avenue NW. Elevation = 4952.29 (M,S.L.D.)

INSPECTION APPROVAL:

ACCEPTANCE:

CONSTRUCTION SECTION/PERMITS