

## NOTICE TO CONTRACTOR

- 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.
- 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.
- 3. 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.
- 6. 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

	HYDROLOGY SECTION	DATE
INSPECTION APPROV	/AL:	
	CONSTRUCTION SECTION	DATE
ACCEPTANCE:		

The proposed improvements include an approximately 9,450 SF (approx. footprint) building area with adjacent concrete and asphalt paved walkways / parking areas, general site work and site regrading.

The present site is an undeveloped commercial property which slopes at appx. 2% to the west. Washington Street NE abuts the property to the east, the property to the north is developed commercial, the property to the west and south are undeveloped commercial lots.

## The intent of this plan is to show:

- · Grading relationships between the existing ground elevations and proposed finished elevations in order to facilitate positive drainage to designated discharge points.
- The extent of proposed site improvements, including buildings, walks and pavement.

## . The flow rate/volume of rainfall runoff across or around these improvements and methods of handling these flows to meet City of Albuquerque requirements for drainage management. · The relationship of on-site improvements with existing neighboring property to insure an orderly transition between proposed and surrounding grades. Drainage Plan Concept: All flows are to be routed around the proposed buildings to the south and released from the parking area into the dirt area as sheet flow. The flows will then run within a grouted rip-rap (exposed rock) triangular swale to the northwest property corner where they will enter the proposed grouted rip-rap (exposed rock) trapezoidal drainage channel within the existing 15' wide drainage easement to President Place N.E. At this point, the rip-rap channel will transition to a 7 wide concrete apron and into the President Place cul-de-sac where flows will enter the existing concrete lined channel on the south end of the cul-de-sac. GENERAL NOYES: Tract B-1-A-7, Clifford Industrial Park, Albuquerque, NM. John F. Esquibel, New Mexico registered Land Surveyor No. 5949... Station is an A.M.A.F.C.A. brass tablet stamped "NDC 7" set on a concrete postprojecting 0.3' above ground. Station is located at the Alameda Boulevard Bridge over the A.M.A.F.C.A. North Diversion Channel, 2.5 feet from southwest corner of Bridge headwall. Elevation = 5062.600 ft.(M.S.L.D.) Located at T.C. adjacent to northeast property corner. See Plan. Elevation = 5105.56' (M.S.L.D.) - see plan. Flood Hazard: Based on FEMA Map #9, the property is not located within a flood zone. Off-Site Drainage:Based on site visits and contour map analysis, no off-site flows affect this property. Erosion Control: The contractor is responsible for retaining on-site all sediment generated during construction by means of temporary earth berms or silt fences at the low points on the west property line. Calculations are based on the Drainage Design Criteriafor City of Albuquerque, Section 22.2, DPM, Vol 2, dated Jan., 1993 AREA OF SITE: 48469 SF = 1.11 Ac. ON-SITE HISTORIC FLOWS: DEVELOPED FLOWS: **EXCESS PRECIPITATION:** On-Site Historic Land Condition On-Site Developed Land Condition Precip. Zone Area a = Area a Ea = 0.53Area b = Area b = 2744 SF Eb = 0.78Area c = 48469 SF Area c = 5455 SF Ec = 1.13Area d = Aread = Ed = 2.12Total Area = 48469 SF Total Area On-Site Weighted Excess Precipitation (100-Year, 6-Hour Storm) Weighted E = EaAa + EbAb + EcAc + EdAd Aa + Ab + Ac + Ad Historic E = 1.13 in. Developed E = 1.93 in. On-Site Volume of Runoff: V360 = E\*A Historic V360 = 4564 CF Developed V360 = 7806 CF On-Site Peak Discharge Rate: Qp = QpaAa+QpbAb+QpcAc+QpdAd / 43,560 For Precipitation Zone 2 Qpa = 1.56Qpc = 3.14Qbb = 2.28Qpd = 4.703.5 CFS Developed Op = Historic Qp = Note: all flows will be released into the existing private drainage easement at the NW property corns and taken to President PLN F

This data is include	led for char	nnel sizing only - a	ssumed 85% D. 1	5% C		
Area of Lot J	=	78003 sf				
Developed E	-	1.97 in.	7			
Developed V360	=	12815 CF	7			
Developed Q	, )————————————————————————————————————					
yeveruped Q		8.0 CFS				nt = 8.0 cfs + 4.9 cfs = 12.9 cfs
			AL CONCRETE	APRON @ PR	EBIEN STREE	at = 8.0 cfs + 4.9 cfs = 12.9 cfs
Based on Haestad			A CONCRETE	APRON @ PR	ng dimensions:	at = 8.0 cfs + 4.9 cfs = 12.9 cfs
	Methods (	SECTION Calculations for Tri	AL CONCRETE	APRON @ PR	EBIEN STREE	at = 8.0 cfs + 4.9 cfs = 12.9 cfs

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Based on Haesta	d Methods	Calculations for Tri	angular Channel wi	th the fo	ollowing dimensions:	
Bottom Width	= 1	4.0 ft.	Channel Slope	=	0.0200 /	1
Lt. Side Slope	] = [	1:1	Discharge	7 =	12.90 cfs	
Rt. Side Slope	] = [	1:1	Depth	1 = 1		Depth required = 0.8 + 0.18 = 0.98'
Manning's n	=	0.045	Velocity	1 =	3.37 fps	
			E.G. = V^2/2g	=	0.18 ft.	Depth provided = 1.0' OK

			SECTION C - 6' WI			
Based on Haesta	d Method	s Calculations for T	riangular Channel wit	h the follo	wing dimensions:	
Lt. Side Slope	=	3:1	Channel Slope	T = T	0.0100 7	
Rt. Side Slope	] = [	3:1	Discharge	1 =	4.90 cfs	
Manning's n	] = [	0.0450	Depth	1 =  -	0.93 ft.	

			ection D - 7'-9" v		
Based on Haesta	d Metho	ods Calculations for Tri	angular Channel wi	th the fo	llowing dimensions:
Lt. Side Slope	=	3:1	Channel Slope	=	0.0100 7
Rt. Side Slope	] = [	6:1	Discharge	┥ <sub>╺</sub> ┝	4.90 cfs
Manning's n	] = [	0.0450	Depth	1 = 1	0.79 ft.

KEYNOTES

C.L. WEISS ENGINEERING, INC.



SANDIA PARK OFFICE POST OFFICE BOX 97 SANDIA PARK NM, 87047 (505) 281-1800 ALVARADO OFFICE 1100 ALVARADO DR. NE ALBUQUERQUE, NM 87110 (505) 266-3444

BILL BUCKLEY - ARCHITECT WASHINGTON - 3 OFFICES

Scale: Drawn By: Checked By: Job Number: 1" = 20' BJB CLW Information

Additional

C-2 SH. 2 OF 2

OCT. 1995