PUBLIC WORKS/HYDROLOGY

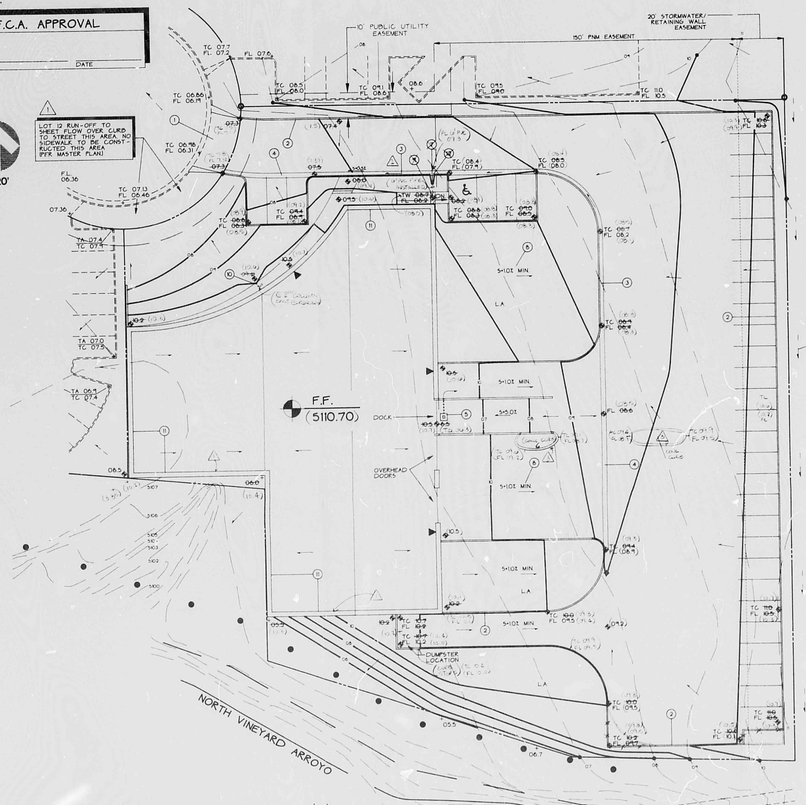
F17/D61T

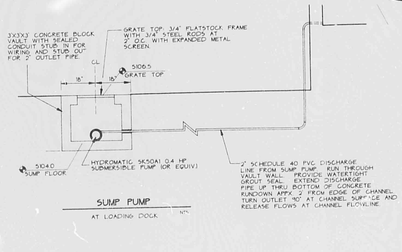
A.M.A.F.C.A. APPROVAL	
NAME	DATE

LOT 12 RUN-OFF TO SHEET FLOW OVER CURB TO STREET THIS AREA NO SIDEWALK TO BE CONSTRUCTED THIS AREA PER MASTER PLAN)

North

1" = 20'





SUMP PUMP

AT LOADING DOCK

GENERAL NOTE AT ALL DOWNSPOUT LOCATIONS LOCATED WITHIN A LANDSCAPED AREA ALL ROOF RUN-OFF SHALL BE DIRECTED TOWARDS AN ASPHALT AREA AT A MINIMUM SLOPE OF 1%

RESUBMITTAL COMMENTS

1 NOTE ADDED AT CUL-DE-SAC

2 GENERAL NOTE ADDED RE: ROOF DOWNSPOUT RUN-OFF

CHRISTOPHER L. WEISS — DATE

LEGEND

	SIDEWALK, CURB AND GUTTER EXISTING, PROPOSED	LA	LANDSCAPED AREA
	PROPOSED ASPHALT	TGW	TOP OF GRADE WALL
	BUILDING EXISTING, PROPOSED	TRW	TOP OF RETAINING WALL
	PROPERTY LINE	TA	TOP OF ASPHALT
657	EXISTING SPOT ELEVATION	TC	TOP OF CURB
30	EXISTING CONTOUR	FL	FLOW LINE
75.2	PROPOSED SPOT ELEVATION	FF	FINISHED FLOOR
30	PROPOSED CONTOUR	R/W	RIGHT OF WAY
	SURFACE FLOW DIRECTION EXISTING, PROPOSED	PL	PROPERTY LINE
		PP	POWER POLE
		▲	BUILDING ACCESS

GENERAL NOTES:

LEGAL: LOT 12, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

AREA OF SITE: 15413 AC.

SURVEYOR: RONALD FORSTBAUER SURVEYING, ALBUQUERQUE, NEW MEXICO

B.M. "SC 27126": A STANDARD BLM BRASS CAP SET IN CONCRETE PROJECTING 10" ABOVE THE GROUND. CAP IS 34135 (APPROXIMATELY 350' NORTHWEST OF THE INTERSECTION OF VINGAE AND MIDWAY PARK BLVDS. NE. ELEVATION - 5,110.41.

T.B.M. "X" ON TOP OF CURB AT EXTENSION OF LOTS 14/15 LOT LINE. ELEVATION = 5,107.17.

SCOPE:

THE SITE IS AN UNDEVELOPED LOT LOCATED WITHIN THE JEFFERSON COMMONS SUBDIVISION. THE GROUND SLOPES WESTERLY AT 2%.

THE PROPOSED IMPROVEMENTS FOR THE SITE INCLUDE A 10,300 SF WAREHOUSE BUILDING, ASSOCIATED ASPHALT-PAVED PARKING AREAS AND ASSOCIATED WALKS, RETAINING WALLS AND LANDSCAPED AREAS.

FREE DISCHARGE OF DEVELOPED FLOWS INTO MIDWAY PARK PLACE NE IS ALLOWED AS ESTABLISHED BY THE MASTER DRAINAGE / GRADING PLAN FOR JEFFERSON COMMONS IMPROVED JANUARY 1990 AND REVISED AUGUST 1990. ALL FLOWS FROM THE ROOF, PARKING AREAS, WEST AND NORTH LANDSCAPED AREAS WILL BE CARRIED IN THE PARKING AREA TO THE DRIVEWAY ENTRANCE ON THE NORTHWEST CORNER OF THE PROPERTY.

NO OFFSITE FLOWS EFFECT THE PROPERTY.

SUMP PUMP CALCULATIONS

Area of flows = 700 SF = 0.02 Ac.

The following calculations are based on 100% Treatment D

Weighted Excess Precipitation			
Weighted E =	2.12 in.		
Volume of Runoff			
V100 =	124 CF =	927.5	Gallons
Peak Discharge Rate			
Q100 =	0.1 cfs		

Based on Manufacturer's Pump Curves for specified pump

Pump volume rate = 75 - 100 GPM < 10 min. to pump peak volume

SIDEWALK CULVERT CAPACITY

Area of flows = 6500 SF = 0.1 Ac.

Area includes east third of roof (see plan)

The following calculations are based on 100% Treatment D.

Weighted Excess Precipitation	
Weighted E =	2.12 in.
Volume of Runoff	
V100 =	1148 CF
Peak Discharge Rate	
Q100 =	0.7 cfs

U-Shaped concrete rundown with N = 0.015, S = 0.0333', Q = 0.7 CFS and Channel Width = 2.0'

Req'd Channel Depth = 0.1' < 0.5' OK

6" PIPE CAPACITY

Area of flows = 9800 SF = 0.2 Ac.

Area includes west portion of roof (see plan)

The following calculations are based on 100% Treatment D.

Weighted Excess Precipitation	
Weighted E =	2.12 in.
Volume of Runoff	
V100 =	1731 CF
Peak Discharge Rate	
Q100 =	1.1 cfs

From Cutters Formula, a 6" pipe installed at 3.0% slope will carry 6" pipe capacity = 1.3 cfs > 1.1 cfs OK

AREAS OF MODIFICATION BETWEEN APPROVED DRAINAGE GRADING PLAN AND ACTUAL AS-BUILT

1. Underwalk culvert (see note 9) replaced with 6" pvc pipe. Capacity of 6" pipe is approx. 1.3 cfs, Q = 0.7 cfs OK
2. Additional parking islands constructed.

I, Christopher L. Weiss, P.E. hereby certify that the as-built information shown is in substantial compliance with the approved drainage / grading plan except as noted below:

2-16-95

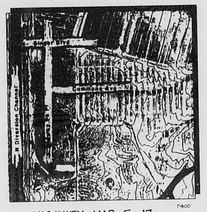
Christopher L. Weiss, P.E. — Date

Exceptions:

A. Extended stemwall of building portion adjacent to AMAFCA property not constructed.

Survey information provided by Forstbauer Surveying Co. • February 1995

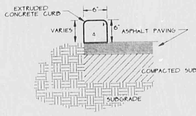
FLOOD HAZARD MAP



VICINITY MAP F-17

KEYED NOTES

1. CONSTRUCT 24' WIDE DRIVEWAY ENTRANCE AS SHOWN. PROVIDE DEPRESSED CURB FOR SIDEWALK RAMP. SEE C.O.A. STD. DWG. 2425
2. CONSTRUCT 6" EXTRUDED CONC. CURB EXCEPT AS NOTED. SEE DETAIL
3. CONSTRUCT STANDARD 6" CONC. CURB AND GUTTER IN CONJUNCTION WITH VALLEY GUTTER TO MAINTAIN 0.5% FLOW PATH
4. CONSTRUCT 3' WIDE VALLEY GUTTER AT 0.5% SLOPE WHERE INDICATED
5. INSTALL SUMP PUMP AT DOCK LOW POINT. DISCHARGE PIPE EMITTES TO NORTH PAVING AREA AS SHOWN
6. EXISTING CONC. DIVERSION WALL ON EAST PROPERTY LINE DIVERTS OFFSITE FLOWS SOUTH AS SHOWN
7. PROVIDE SHALLOW SWALE TO CARRY ROOF FLOWS TO DRIVEWSTREET
8. MINIMUM GRADE FOR ASPHALT AND LANDSCAPE AREAS = 1% (TYPICAL)
9. CONSTRUCT ALONG W. 24' WIDE UNDERWALK CULVERT WITH STEEL PLATE TOP AS SHOWN
10. INSTALL 6" PVC PIPE UNDER WALK TO CARRY ROOF FLOWS TO LANDSCAPED AREA. FLOWS WILL SHEET FLOW TO STREET
11. EXTENDED STEMWALL THIS AREA AS REQUIRED
12. PROVIDE 1' OPENING IN CURB TO ALLOW ROOF FLOWS TO PASS TO DRIVE



GENERAL NOTES

- PROVIDE CONTRACTION JOINTS @ 10' OC MAX
- PROVIDE EXPANSION JOINTS @ 50' OC MAX ADJACENT TO BUILDING WALLS AND CURB RETURNS
- 2 FOOTS SHOULD BE REMOVED WITH SAW CUTTING TOOL

EXTRUDED CONCRETE CURB

F17

C.L. WEISS ENGINEERING, INC.

POST OFFICE BOX 87 SANDIA PARK, N.M. 87047 - (505) 281-9003

1100 ALVARADO DR. NE ALBUQUERQUE, N.M. 87110 - (505) 268-3444

REVISIONS 3-24-94

Jefferson Commons Industrial Park Lot 12

MARCH 1994

SHEET 1 OF 1

H# 75 DATE 3-19-12 OP KP

CITY OF ALBUQUERQUE

This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the **Public Works Department** and was created in the normal course of business.

The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (MSI1E-1977)

DIRECTOR

NOTARY PUBLIC

OFFICIAL SEAL Roberta Duran NOTARY PUBLIC MY COMMISSION EXPIRES 07/09/2012

PLAN SHOT TWICE ONCE ON LIGHT ONCE ON DARK

CITY OF ALBUQUERQUE THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

PLANS/PLATS ON FILE

FILE DESC: F17/D011T

PLANS/PLATS 1

E 20 D 24 C 20 B 16 A 12 CITY OF ALBUQERQUE C D F

A.M.A.F.C.A. APPROVAL

North

1" = 20'

F.F.
5110.70

NORTH WALL FINISH GRADE

SUMP PUMP

LEGEND

GENERAL NOTES:

SCOPE:

SUMP PUMP CALCULATIONS

SIDEWALK CULVERT CAPACITY

6" PIPE CAPACITY

AREAS OF MODIFICATION BETWEEN APPROVED DRAINAGE GRADING PLAN AND ACTUAL AS BUILT

EXTRUDED CONCRETE CURB

KEYED NOTES

FLOOD HAZARD MAP

VICINITY MAP F-17

C.L. WEISS ENGINEERING, INC.

POST OFFICE BOX 87 SANDIA PARK NM 87047 (505) 281-8801

NO. ALBUQUERQUE NM ALBUQUERQUE, N.M. 87176 (505) 897-3445

Jefferson Commons Industrial Park

Lot 12

PLAN SHOT DATE
ONLY ON LINE
OFF ON DARK

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS NOT REPRODUCIBLE WITHOUT PERMISSION OF THE PUBLIC WORKS DIVISION OF THE CITY OF ALBUQUERQUE.

REV. 5 DATE 7/15/85 OF 7

CITY OF ALBUQUERQUE

This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the **Public Works Department** and was created in the normal course of business.

The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (MS116-1973)

DIRECTOR

NOTARY PUBLIC

01/03/05, 2001

F 30 D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D F