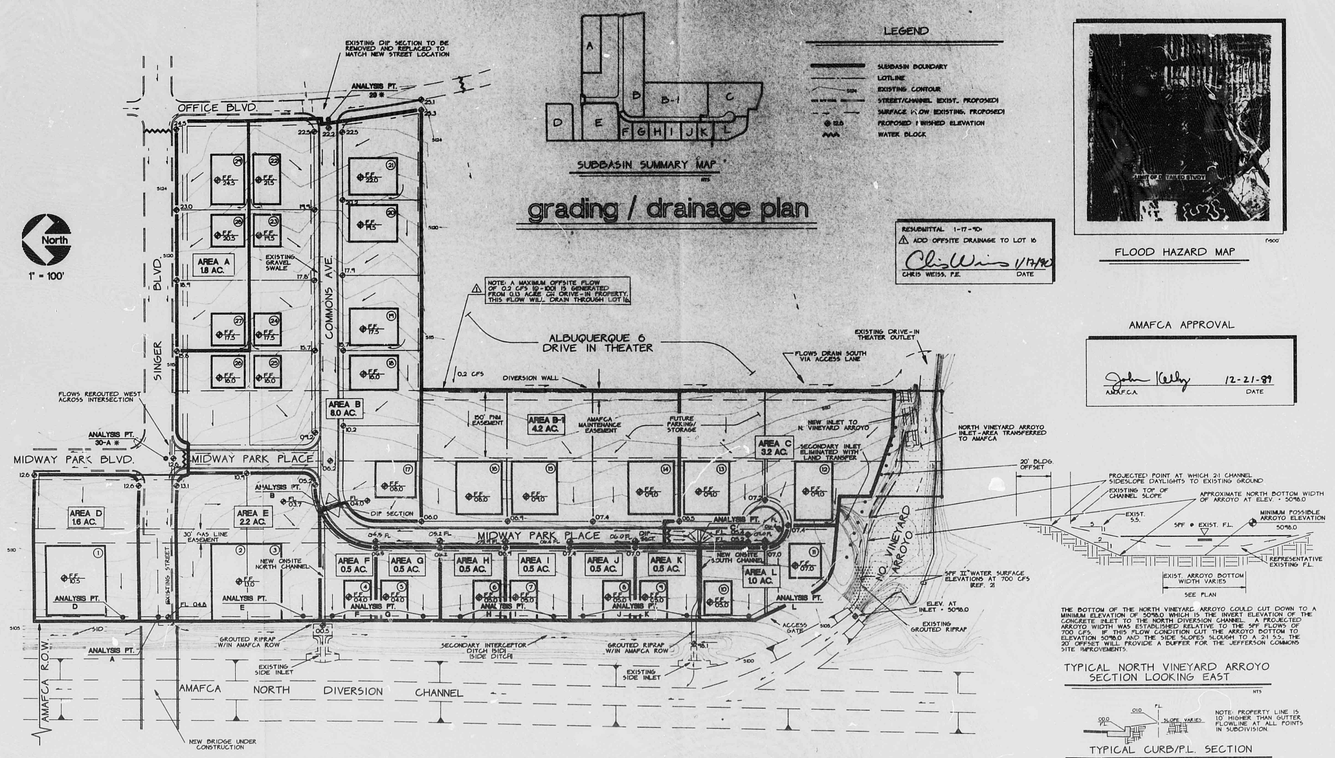
PUBLIC WORKS/HYDROLOGY

F17/D61B



BASIN	ANALYSIS POINT	DRAINAGE AREA	AREA (AC.)	LENGTH (FT.)	SLOPE (%)	VEL. (FPS)	T.C. (MIN.)	'C'	I-10 (IN/HR.)	I-100 (IN/HR.)	Q-10 (CFS)	Q-100 (CFS)	REMARKS
OFFSITE ✱	29	1A - 3A	22.1		-		20.5	0.40	2.10	3.30	18.6	28.3	MIDWAY BLVD. PK. MASTER PLAN
	30A	5A1	0.9	250 ST	1.8	3.6	10	0.62	3.06	4.65	2.2	3.4	MIDWAY BLVD. PK. MASTER PLAN
ONSITE	A	AREA A, ST.	2.4	200	0.5	d	10	0.86	3.06	4.65	6	10	INTERIOR BASIN
	B	AREA B	8.0	800	1.5	2	10	0.81	3.06	4.65	20	30	INTERIOR BASIN
	B-1	AREA B-1	4.2	600	0.5	d	10	0.79	3.06	4.65	10	15	INTERIOR BASIN
	C	AREA C	3.2	400	1.0	d	10	0.68	3.06	4.65	7	10	INTERIOR BASIN
	D	AREA D	1.6	300	1.5	d	10	0.84	3.06	4.65	4	6	INTERIOR LOT
	E	AREA E	2.2	400	1.8	d	10	0.84	3.06	4.65	6	9	INTERIOR LOT
	F	AREA F	0.5	150	1.3	d	10	0.84	3.06	4.65	1	2	INTERIOR LOT
	G	AREA G	0.5	150	2.0	d	10	0.84	3.06	4.65	1	2	INTERIOR LOT
	H	AREA H	0.5	150	2.0	d	10	0.84	3.06	4.65	1	2	INTERIOR LOT
	I	AREA I	0.5	150	2.0	d	10	0.84	3.06	4.65	1	2	INTERIOR LOT
	J	AREA J	0.5	150	2.0	d	10	0.84	3.06	4.65	1	2	INTERIOR LOT
	K	AREA K	0.5	150	2.0	d	10	0.84	3.06	4.65	1	2	INTERIOR LOT
	L	AREA L	1.0	300	1.3	d	10	0.84	3.06	4.65	3	4	INTERIOR BASIN
COMBINED ONSITE + EXISTING OFFSITE (UNDEVELOPED)	A	5A1, A, ST.	3.3	1000	2.0	3.4	10	0.84	3.06	4.65	8	13	OFFSITE/ONSITE COMBINED
	B-NOW	OFFSITE + B	30.1	-	-	-	26	0.51	1.81	2.75	28	42	OFFSITE/ONSITE COMBINED
COMBINED ONSITE + OFFSITE FULLY DEVELOPED	B-FUTURE	OFFSITE + B	30.1	1000	2.0	3.4	26	0.81	1.81	2.75	44	67	OFFSITE/ONSITE COMBINED

✱ MIDWAY BUSINESS PARK MASTER DRAINAGE PLAN - REF. #1

CHANNEL	BOTTOM WIDTH (FT.)	N	SLOPE (MIN)	MAX Q (CFS)	DEPTH (FT.)	VEL. (FPS)	FREE BOARD (FT.)
N-NOW	7	0.013	1	42	0.7	8	0.8
N-FUTURE	7	0.013	1	67	0.9	9	0.6
S	7	0.013	3.5	10	0.2	7	1.3
STREET							
COMMONS AVE.-NOW	40	0.017	1.5	42	0.5	4	0.5
COMMONS AVE.-FUTURE	40	0.017	1.5	67	0.6	5	0.4
HIGHWAY FREE PLACE-N.	36	0.017	0.5	15	0.4	2	0.6
HIGHWAY FREE PLACE-S.	36	0.017	0.5	10	0.35	2	0.65

THE PEAK FLOW RATES WERE DETERMINED BY APPLICATION OF THE RATIONAL METHOD AS OUTLINED IN THE CITY OF ALBUQUERQUE'S DEVELOPMENT PROCESS MANUAL, EPM.

RAINFALL INTENSITIES WERE DETERMINED FROM PLATES 22.2 D-1 AND D-2 OF THE EPM. THE 100 YEAR-6 HOUR RAINFALL FOR THE SITE IS 3.2 INCHES.

RUNOFF COEFFICIENTS WERE OBTAINED FROM THE DPM AS FOLLOWS:

SURFACE TYPE	'C' VALUE
STREETS, WALKS	0.90
ROOFS	0.90
LAWNS, LANDSCAPING	0.25
UNDEVELOPED	0.40

FLOW DEPTHS AND VELOCITIES IN CHANNELS WERE COMPUTED BY MANNING'S EQUATION FOR OPEN CHANNEL FLOW. CHANNEL CONFIGURATIONS WERE ASSUMED TRAPEZOIDAL WITH 1:1 SIDESLOPES. WITH 6:1 CORNER SLOPES ALONG THE TOP OF BANK. FLOW DEPTHS AND VELOCITIES IN STREETS WERE ESTABLISHED FROM DPM STREET CAPACITY PLATES.

plate 2

TYPICAL NORTH VINEYARD ARROYO SECTION LOOKING EAST

NTS

TYPICAL CURB/P.L. SECTION

NTS

NOTE: PROPERTY LINE IS 10' HIGHER THAN GUTTER FLOWLINE AT ALL POINTS IN SUBDIVISION.

OTHER INFORMATION

LEGAL: TRACT A-1-D OF THE CRYER PROPERTY AND TRACTS 20-A AND 21-A OF THE MIDWAY BUSINESS PARK, ALBUQUERQUE.

SOILS: FROM SCS BERNALILLO COUNTY SOILS MAP, THE SOIL IS TYPE EMR, HYDROLOGICAL SOIL GROUP 'D'.

BENCHMARK: "AC 21 17" A STANDARD BLM BRASS CAP SET IN CONCRETE, PROJECTING 10' ABOVE THE GROUND. CAP IS LOCATED APPROXIMATELY 350' NORTHWEST OF THE INTERSECTION OF COMMONS AVE. AND MIDWAY PARK BOULEVARD, N.E. ELEVATION - 5,100.41.

FLOOD HAZARD: THE SOUTH PROPERTY LINE OF THE SITE BORDERS ON THE AMAFCA NORTH VINEYARD ARROYO FLOOD ZONE AS SHOWN ON FEMA MAP NO. 16.

✱ ELEV. ELEVATIONS SHOWN ON STREETS AND DRAINAGE SYSTEMS HAVE BEEN ESTABLISHED FROM CONSTRUCTION PLANS PREPARED FOR JEFFERSON COMMONS.

RECEIVED MAY 7 1990 HYDROLOGY DIVISION

WEISS-HINES ENGINEERING INC.
1100 ALVARADO N.E. SUITE B
ALBUQUERQUE, NEW MEXICO 87110
(505) 266-1454

REVISIONS	DATE 1-17-90
DESIGNED	C.W.
DRAWN	J.R.
CHECKED	C.W.

JEFFERSON COMMONS
GRADING/DRAINAGE PLAN

SHEET 1 OF 1

R# 25 DATE 3-19-92 BY EQP

CITY OF ALBUQUERQUE

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DIRECTOR

NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 07/03/92

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

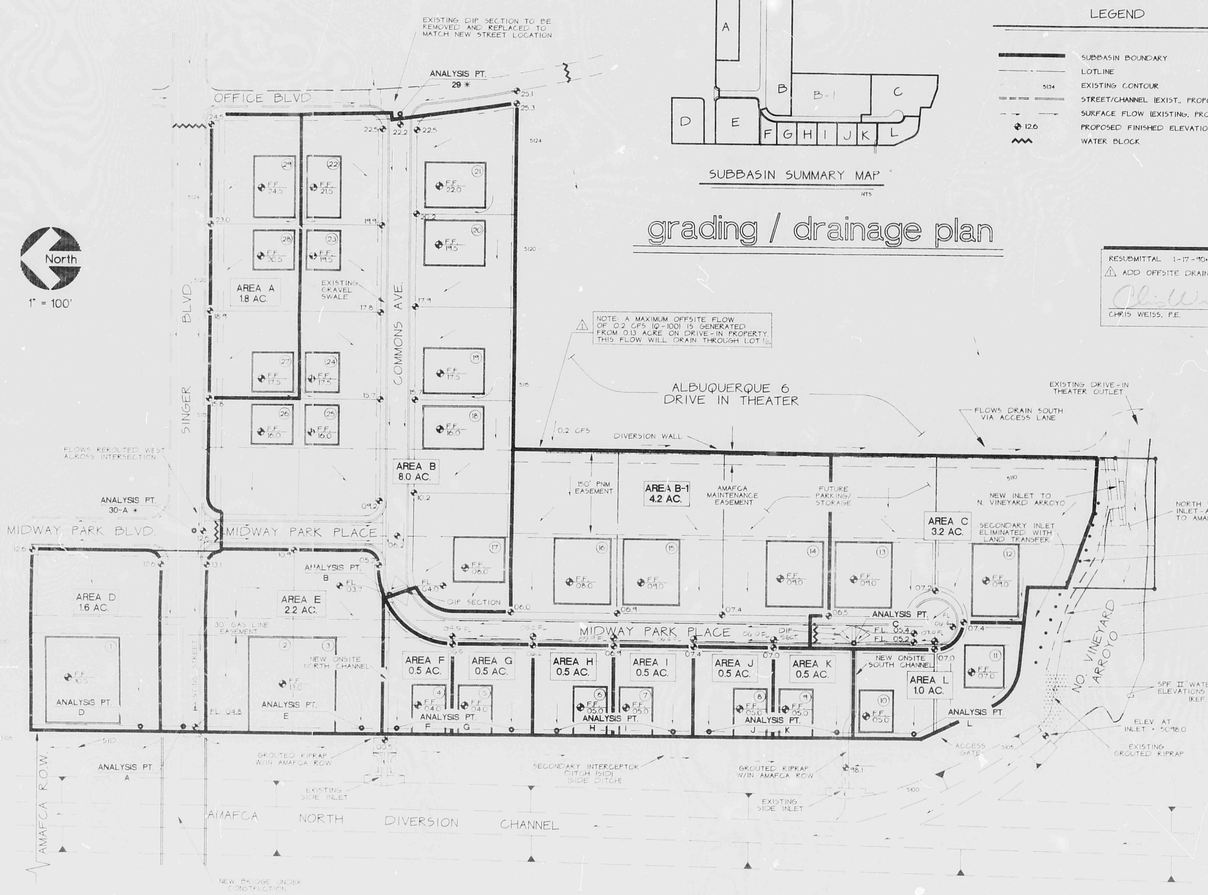
FILE DESC: F17/D61B

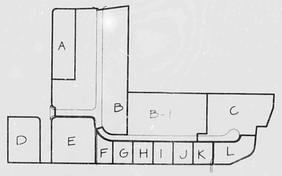
PLANS/PLATS 2

E 30 D 24 C 20 B 16 A 12

CITY OF ALBUQERQUE

C D F





SUBBASIN SUMMARY MAP

NTS

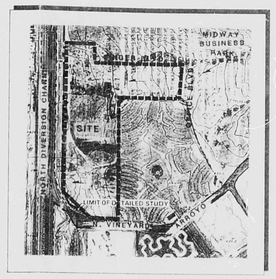
grading / drainage plan

LEGEND

- SUBBASIN BOUNDARY
- LOTLINE
- 5134 EXISTING CONTOUR
- STREET/CHANNEL (EXIST., PROPOSED)
- SURFACE FLOW (EXISTING, PROPOSED)
- 12.6 PROPOSED FINISHED ELEVATION
- WATER BLOCK

RESUBMITTAL 1-17-90
ADD OFFSITE DRAINAGE TO LOT 16

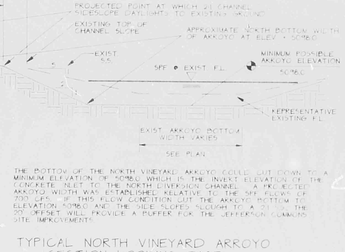
CHRIS WEISS, P.E. DATE



FLOOD HAZARD MAP

AMAFCA APPROVAL

AMAFCA DATE 12-21-89



THE BOTTOM OF THE NORTH VINEYARD ARROYO (COLLE CUT DOWN TO A MINIMUM ELEVATION OF 5088.0 WHICH IS THE INVERT ELEVATION OF THE CONCRETE INLET TO THE NORTH DIVERSION CHANNEL. A PROJECTED ARROYO WIDTH WAS ESTABLISHED RELATIVE TO THE SPF FLOW OF 700 CFS. IF THIS FLOW CONTINUES OUT THE ARROYO BOTTOM AT ELEVATION 5088.0 AND THE SIDE SLOPES SLOUGH TO A 2:1 SLOPE THE 20' OFFSET WILL PROVIDE A BUFFER FOR THE JEFFERSON COMMONS SITE IMPROVEMENTS.

TYPICAL NORTH VINEYARD ARROYO SECTION LOOKING EAST

TYPICAL CURB/PL. SECTION

OTHER INFORMATION

LEGAL: TRACT A AND OF THE OTHER PROPERTY ARE TRACTS 20-A AND 21-A OF THE MIDWAY BUSINESS PARK, ALBUQUERQUE

SOILS: FROM SCS PERMALILLO COUNTY SOILS MAP THE SOIL IS TYPE EMP (HYDROLOGICAL SOIL GROUP B)

BENCHMARK: "SC 19" IS A STAINLESS PIN PEARS CAP SET IN CONCRETE. PROJECTING 1/2" ABOVE THE GROUND. LOCATED APPROXIMATELY 1900' SOUTHWEST OF THE INTERSECTION OF SINGER AND MIDWAY PARK BOULEVARDS. ELEVATION = 5054.8

FLOOD HAZARD: THE SOUTH PROPERTY LINE OF THE SITE BORDERS ON THE AMAFCA NORTH VINEYARD ARROYO FLOOD ZONE AS SHOWN ON FEMA MAP 35.

* ELEV. ELEVATIONS SHOWN ON STREETS AND DRAINAGE SYSTEMS HAVE BEEN ESTABLISHED FROM CITY STREET PLANS PREPARED FOR JEFFERSON COMMONS

BASIN	ANALYSIS POINT	DRAINAGE AREA	AREA (ACS)	LENGTH (FT)	SLOPE (%)	VEL (FPS)	T.C. (MIN)	C	Q-10 (CFS)	Q-100 (CFS)	Q-K (CFS)	Q-100 (CFS)	REMARKS
OFFSITE *	21	1A	1A	22			20	0.46	2.10	7.20	19.6	28.3	MIDWAY BUS. PK. MASTER PLAN
	30-A	5A		300	1.7	4	1.6	0.82	2.06	4.65	22	34	MIDWAY BUS. PK. MASTER PLAN
ONSITE	A	AREA A-OUT	0.4	300	0.3	1	10	0.86	3.06	4.65	5	10	INTERIOR BASIN
	B	AREA B	8.0	800	0.3	1	10	0.84	3.06	4.65	20	30	INTERIOR BASIN
	B-1	AREA B-1	4.2	600	0.3	1	10	0.79	3.06	4.65	10	16	INTERIOR BASIN
	C	AREA C	3.2	400	1.0	1	10	0.68	3.06	4.65		10	INTERIOR BASIN
	D	AREA D	16	400	1.0	1	10	0.84	3.06	4.65	4	7	INTERIOR LOT
	E	AREA E	2.2	400	1.0	1	10	0.84	3.06	4.65	5	9	INTERIOR LOT
	F	AREA F	0.5	300	1.0	1	10	0.84	3.06	4.65		2	INTERIOR LOT
	G	AREA G	0.5	300	1.0	1	10	0.84	3.06	4.65		2	INTERIOR LOT
	H	AREA H	0.5	300	2.0	1	10	0.84	3.06	4.65	1	2	INTERIOR LOT
	I	AREA I	0.5	300	2.0	1	10	0.84	3.06	4.65		2	INTERIOR LOT
	J	AREA J	0.5	300	2.0	1	10	0.84	3.06	4.65		2	INTERIOR LOT
	K	AREA K	0.5	300	2.0	1	10	0.84	3.06	4.65		2	INTERIOR LOT
	L	AREA L	1.0	300	1.0	1	10	0.84	3.06	4.65		4	INTERIOR BASIN
COMBINED ONSITE + EXISTING OFFSITE UNDEVELOPED	A	5A, A, VT	33	1100	2.0	3.4	26	0.54	1.91	4.65	6	11	OFFSITE/ONSITE COMBINED
	B-NOW	OFFSITE + B	30.1				26	0.51	1.81	2.75	28	42	OFFSITE/ONSITE COMBINED
COMBINED ONSITE + OFFSITE FULLY DEVELOPED	B-FUTURE	OFFSITE + B	30.1	1100	2.0	3.4	26	0.61	1.81	2.75	44	67	OFFSITE/ONSITE COMBINED

* MIDWAY BUSINESS PARK MASTER DRAINAGE PLAN-KEP

CHANNEL	BOTTOM WIDTH (FT)	N	SLOPE % MIN	MAX Q (CFS)	DEPTH (FT)	VEL (FPS)	FREE BOARD (FT)
N-NOW	7	0.017	1	42	0.7	8	0.8
N-FUTURE	7	0.013	1	67	0.9	9	0.8
K	7	0.013	1.5	82	0.9	9	1.1
STREET							
COMMONS AVE.-NOW	40	0.017	1.5	42	0.3	4	0.5
COMMONS AVE.-FUTURE	40	0.017	1.5	67	0.6	5	0.4
MIDWAY PARK PLACE-N.	36	0.017	0.5	15	0.4	2	0.5
MIDWAY PARK PLACE-S.	36	0.017	0.5	15	0.3	1.2	0.4

THE PEAK FLOW RATES WERE DETERMINED BY APPLICATION OF THE RATIONAL METHOD AS OUTLINED IN THE CITY OF ALBUQUERQUE'S DEVELOPMENT PROCESS MANUAL (DPM).

RAINFALL INTENSITIES WERE DETERMINED FROM PLATES 22.2 (C) AND 22.2-2 OF THE DPM. THE 100 YEAR-6 HOUR RAINFALL FOR THE SITE IS 2.2 INCHES.

RUNOFF COEFFICIENTS WERE OBTAINED FROM THE DPM AS FOLLOWS:

SURFACE TYPE	C VALUE
STREETS, WALKS	0.95
ROOFS	0.90
LAWNS, LANDSCAPING	0.25
UNDEVELOPED	0.40

FLOW DEPTHS AND VELOCITIES IN CHANNELS WERE COMPUTED BY MANNING'S EQUATION FOR OPEN CHANNEL FLOW. CHANNEL CONFIG. WITHIN 10 R.O.W. = TRAPEZOIDAL WITH 3:1 SIDE SLOPE, 7' BOTTOM WIDTH, 6" CURBS ALONG EACH LIP. FLOW DEPTHS AND VELOCITIES IN STREETS WERE ESTABLISHED FROM DPM STREET CAPACITY PLATES.

plate 2

HYDROLOGY DIVISION

WEISS-HINES ENGINEERING INC.
1100 ALVARADO N.E. SUITE B
ALBUQUERQUE, NEW MEXICO 87110
(505) 266 3444

REVISIONS DATE
DESIGNED
DRAWN
CHECKED

JEFFERSON COMMONS
GRADING/DRAINAGE PLAN

SHEET OF

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

CITY OF ALBUQUERQUE
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R# 55 DATE 3/9/92 OF 67

CITY OF ALBUQUERQUE

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DIRECTOR

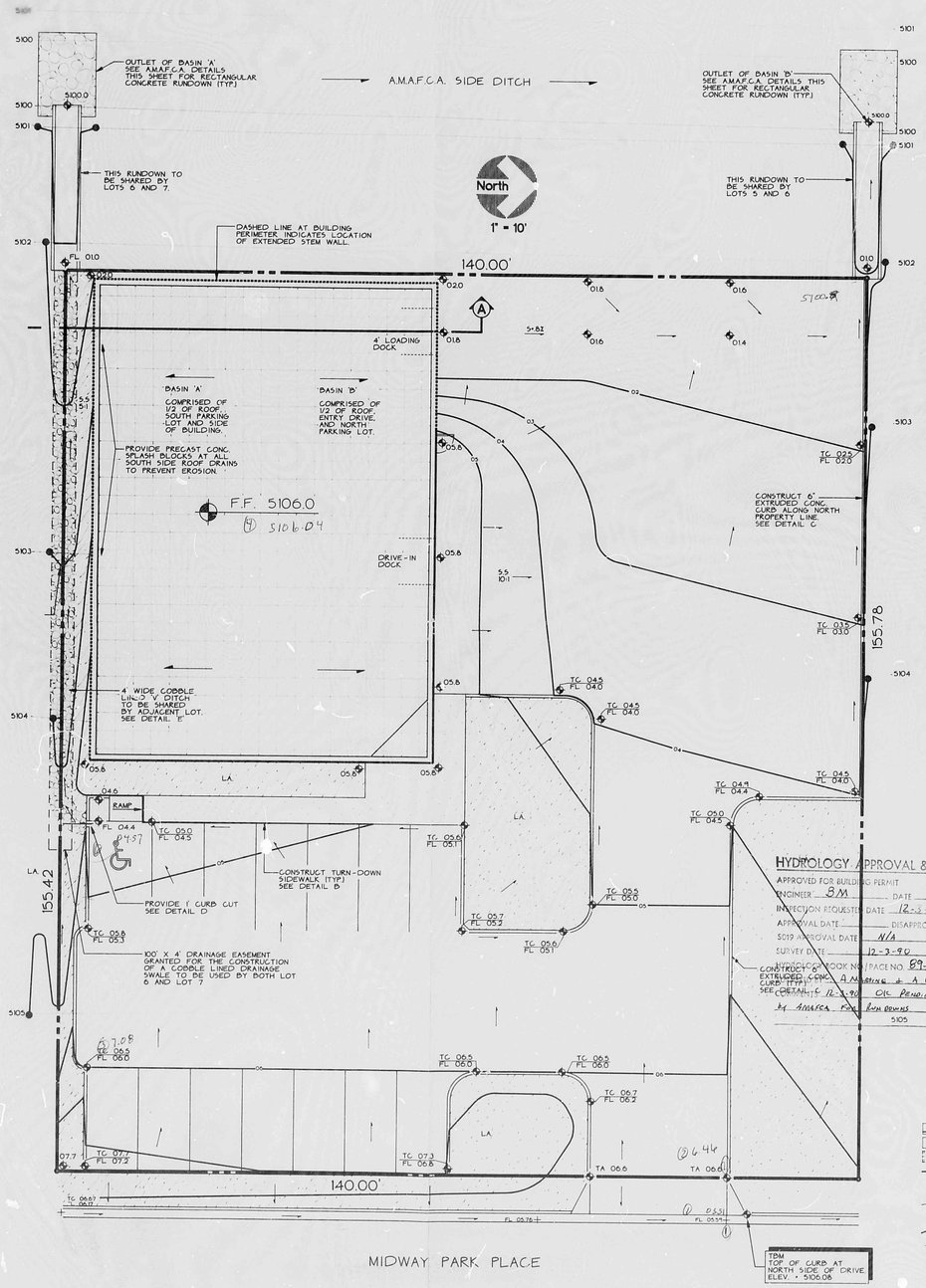
NOTARY PUBLIC

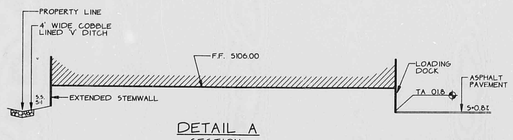
07/02/92

D 24 C 20 B 16 A 12

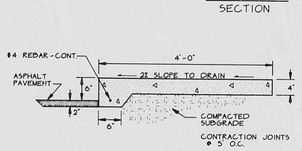
CITY OF ALBUQERQUE

C D

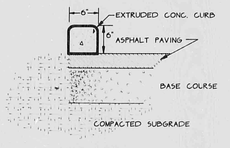




DETAIL A
SECTION



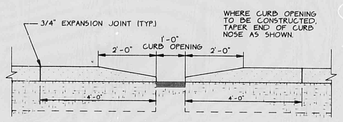
DETAIL B
TURNED DOWN WALK



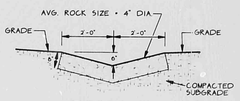
GENERAL NOTES

1. PROVIDE CONTRACTION JOINTS @ 10' O.C. MAX. PROVIDE EXPANSION JOINTS ADJACENT TO BUILDINGS, WALLS AND CURB RETURNS
2. EDGES SHOULD BE REMOVED WITH 3/8" EDGING TOOL

DETAIL C
EXTRUDED CONC. CURB



DETAIL D
CURB TERMINAL SECTION



DETAIL E
COBBLE LINED 'V' DITCH

A.M.A.F.C.A. DETAILS AND NOTES

1. CALL JOHN KELLY AT A.M.A.F.C.A. TWO DAYS PRIOR TO WORK IN R.O.W. (884-2215)
2. A.M.A.F.C.A. MUST INSPECT WHEN STEEL IS TIED AND PRIOR TO POURING CONCRETE.
3. RIPRAP MUST BE ANGULAR TYPE 'L'. A.M.A.F.C.A. TO INSPECT RIPRAP AND SUBGRADE PRIOR TO INSTALLING FILTER MATERIAL.

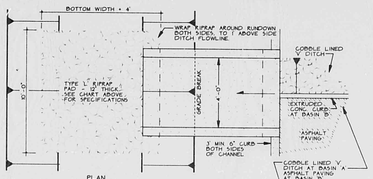
TYPE 'L' RIPRAP

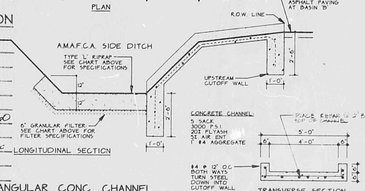
SIZE	PERCENT
12"	100
9"	85-55
3"	10-0

AT LEAST 20% = 12" STONE

FILTER SPECIFICATIONS

SIZE	% PASSING
4"	100
2"	90-100
#4	45-60
#16	25-40
#50	5-15
#200	0-2





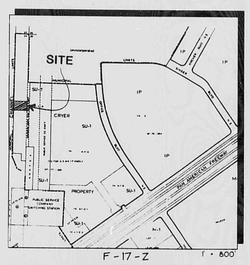
RECTANGULAR CONC. CHANNEL
TO AMAFCA DRAINAGE CHANNEL NTS

HYDROLOGY APPROVAL & INSPECTION

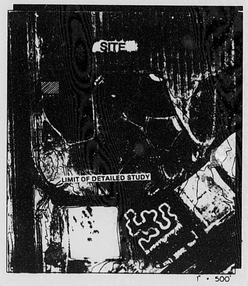
APPROVED FOR BUILDING PERMIT
ENGINEER BM DATE
INSPECTION REQUESTED DATE 12-3-90
APPROVAL DATE DISAPPROVED
SO19 APPROVAL DATE N/A
SURVEY DATE 12-3-90
HYDROLOGY BOOK NO. PAGE NO. 89-1 pg 123 # 60
CONSTRUCT 6" CONC. A MARINE & A GARCIA
EXTRUDED CURB (TYP.) SEE DETAIL C 12-3-90
OK PERMITTED ACCEPTANCE
by AMAFCA FOR RUN DOWNS
5105

LEGEND

SIDEWALK, CURB + GUTTER (EXISTING, PROPOSED)	L.A. LANDSCAPED AREA
PROPOSED ASPHALT	T.W. TOP OF WALK OR GRADE WALL
PROPOSED BUILDING, DASH REPRESENTS LOCATION OF EXTENDED STEM WALL	T.R.W. TOP OF RETAINING WALL
PROPERTY LINE	T.A. TOP OF ASPHALT
+ 65.7 EXISTING SPOT ELEVATION	T.C. TOP OF CURB
20 EXISTING CONTOUR	F.L. FLOW LINE
75.2 PROPOSED SPOT ELEVATION	F.F. FINISHED FLOOR
30 PROPOSED CONTOUR	R/W RIGHT OF WAY
SURFACE FLOW DIRECTION (EXISTING, PROPOSED)	℄ PROPERTY LINE



VICINITY MAP



FLOOD HAZARD MAP

GENERAL NOTES:

LEGAL: LOT 6, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

SURVEYOR: RONALD FORSTBAUER SURVEYING, RIO RANCHO, NM, JULY 1989

B.M.: "SC 27 26", A STANDARD BLM BRASS CAP SET IN CONCRETE 3413.5'
PROJECTING 10' ABOVE THE GROUND. CAP IS LOCATED APPROXIMATELY 350' NORTHWEST OF INTERSECTION OF SINGER AND MIDWAY PARKS BOULEVARDS, N.E. ELEVATION = 5110.41

T.B.M.: TOP OF CURB AT NORTH SIDE OF DRIVE. ELEVATION = 5106.08

SCOPE:

THE PRESENT SITE IS AN UNDEVELOPED LOT LOCATED WITHIN THE JEFFERSON COMMONS SUBDIVISION. THE LOT SLOPES DOWN TO THE WEST TO AN EXISTING AMAFCA SECONDARY INTERCEPTOR DITCH. THE DRAINAGE CONCEPT FOR THIS LOT IS REFERENCED IN THE APPROVED MASTER DRAINAGE PLAN FOR JEFFERSON COMMONS IN WHICH THE SITE RUNOFF WILL BE DISCHARGED DIRECTLY INTO THE SECONDARY INTERCEPTOR DITCH.

THE PROPOSED IMPROVEMENTS ARE COMPRISED OF A 4,980 SF SLAB-ON-GRADE BUILDING, TWO ASPHALT PAVED PARKING AREAS AND ASSOCIATED WALKS AND LANDSCAPED AREAS.

DEVELOPED FLOWS FOR THE SITE WILL DISCHARGE INTO THE AMAFCA SECONDARY INTERCEPTOR DITCH AT TWO POINTS. RUNOFF FROM 1/2 OF ROOF, MAIN ENTRY AND NORTH ASPHALT PARKING LOT WILL BE CONCENTRATED ALONG THE NORTH PROPERTY LINE AND RELEASED AT THE NORTHWEST CORNER. RUNOFF FROM THE SOUTH HALF OF ROOF AND MAIN PARKING LOT WILL BE CONCENTRATED IN A SHALLOW COBBLE-LINED SWALE ALONG THE SOUTH PROPERTY LINE AND RELEASED AT THE SOUTHWEST CORNER.

CALCULATIONS:

AREA OF SITE = 0.5 AC.
A) AREA DRAINING TO SOUTHWEST CORNER = 0.19 AC
B) AREA DRAINING TO NORTHWEST CORNER = 0.31 AC

Q_{100} AT EACH DISCHARGE POINT (REFER TO MASTER DRAINAGE PLAN FOR OVERALL BASIN FLOWS)
A) AT SOUTHWEST CORNER, Q_{100} = (0.84)(4.65)(0.19) = 0.7 CFS
B) AT NORTHWEST CORNER, Q_{100} = (0.84)(4.65)(0.31) = 1.2 CFS

LEGAL INFORMATION AND CALCULATIONS

RECEIVED
MAY 7 1990
HYDROLOGY DIVISION

RESUBMITTAL
APRIL 30, 1990

Christopher L. Weiss 4-27-90
CHRISTOPHER L. WEISS DATE

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

John Kelly 30 APRIL 90
NAME DATE

REVISIONS
APRIL 27, 1990
DESIGNED R.B. 3/90
DRAWN J.M.C. 3/90
CHECKED C.L.W. 3/90

WEISS-HINES ENGINEERING INC.
1100 ALVARADO N.E.
PHONE (505) 265-3844
ALBUQUERQUE, NEW MEXICO 87110

Jefferson Commons Industrial Park
Lot 6

WEISS-HINES ENGINEERING

SHEET 1 OF 1

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.

R# 25 DATE 3-19-92 OF 28

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.

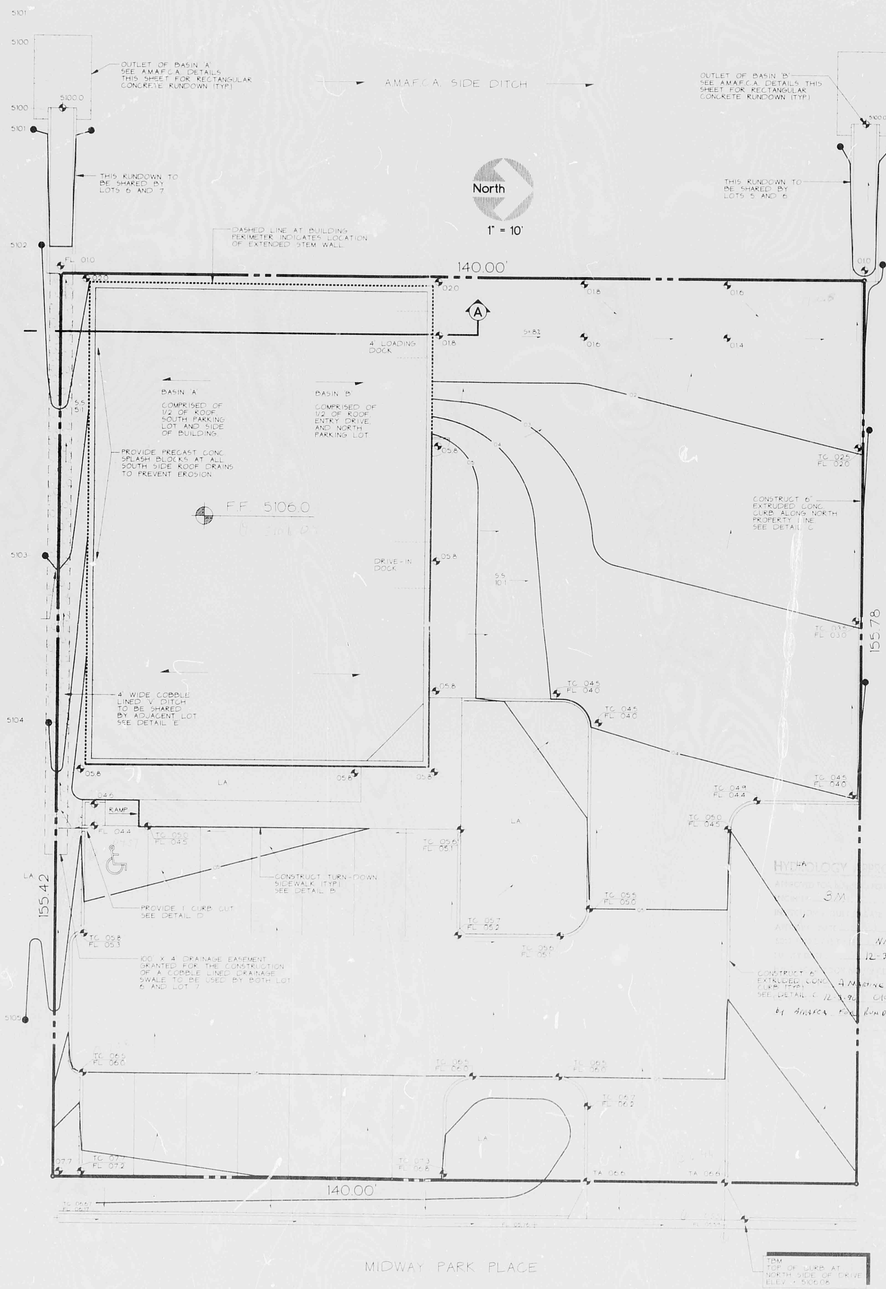
The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (MS14S-1977)

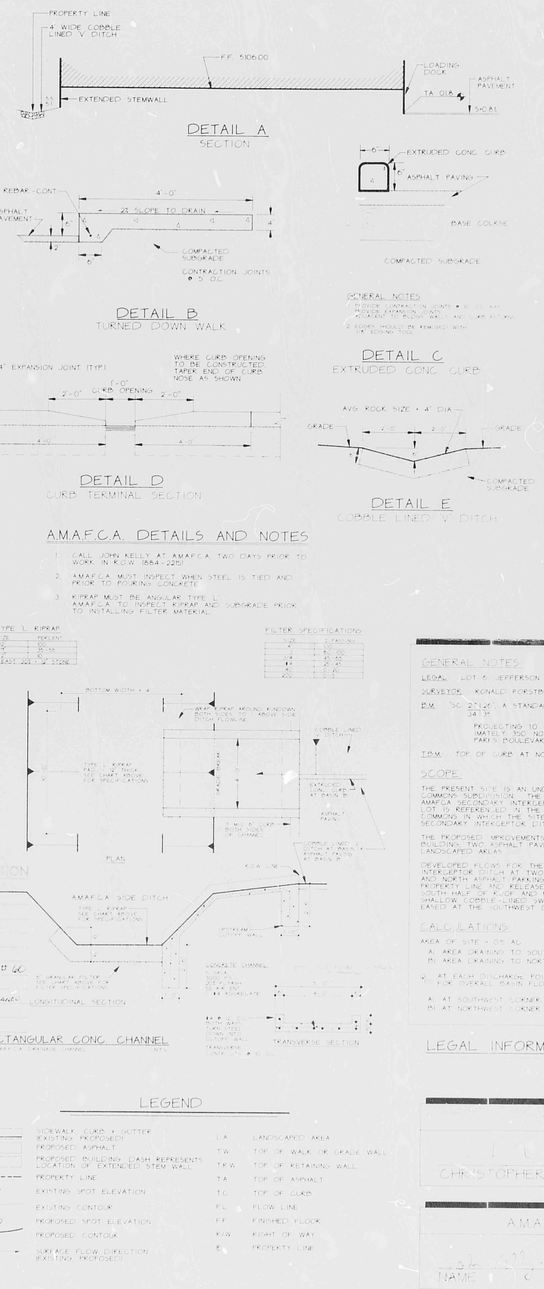
DIRECTOR

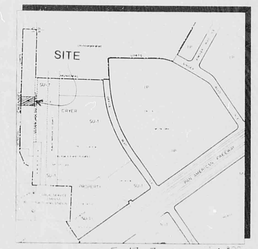
NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
07/07/92

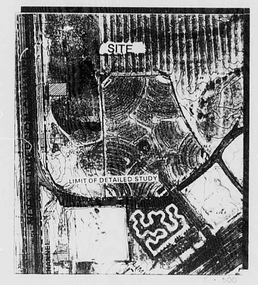
D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D







VICINITY MAP



FLOOD HAZARD MAP

GENERAL NOTES

LEGAL LOT 6, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

SURVEYOR RONALD FORSTRALER SURVEYING, RIO RANCHO, NM, JULY 1988

P.M. SC 22 A STANDARD BLM BRASS CAP SET IN CONCRETE

PROJECTING TO ABOVE THE GROUND. CAP IS LOCATED APPROXIMATELY 350' NORTHWEST OF INTERSECTION OF SINGER AND MIDWAY PARK BOULEVARDS, NE. ELEVATION = 5114

T.B.M. TOP OF CURB AT NORTH SIDE OF DRIVE. ELEVATION = 5106.08

SCOPE

THE PRESENT SITE IS AN UNDEVELOPED LOT LOCATED WITHIN THE JEFFERSON COMMONS SUBDIVISION. THE LOT SLOPES DOWN TO THE WEST TO AN EXISTING AMAFCA SECONDARY INTERCEPTOR DITCH. THE DRAINAGE CONCEPT FOR THIS LOT IS REFERENCED TO THE APPROVED MASTER DRAINAGE PLAN FOR JEFFERSON COMMONS IN WHICH THE SITE RUNOFF WILL BE DISCHARGED DIRECTLY INTO THE SECONDARY INTERCEPTOR DITCH.

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CALCULATIONS

AREA OF SITE = 1.10 AC

A) AREA DRAINING TO SOUTHWEST CORNER = 0.91 AC

B) AREA DRAINING TO NORTHWEST CORNER = 0.19 AC

C) AT EACH DISCHARGE POINT (REFER TO MASTER DRAINAGE PLAN FOR OVERALL BASIN FLOWS)

A) AT SOUTHWEST CORNER Q100 = (0.84)(4.55)(1.0) = 3.82 CFS

B) AT NORTHWEST CORNER Q100 = (0.84)(4.55)(0.3) = 1.2 CFS

LEGAL INFORMATION AND CALCULATIONS

RESUBMITTAL APRIL 30, 1990

CHRISTOPHER L. WEISS DATE

AMAFCA APPROVAL

NAME DATE

RECEIVED MAY 1990 HYDROLOGY DIVISION

Jefferson Commons Industrial Park
Lot 6

WEISS-HINES ENGINEERING INC.

REVISIONS

SHEET 1 OF 1

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

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R# 35 DATE 5-17-02 OP EP

CITY OF ALBUQUERQUE

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07/07/02

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