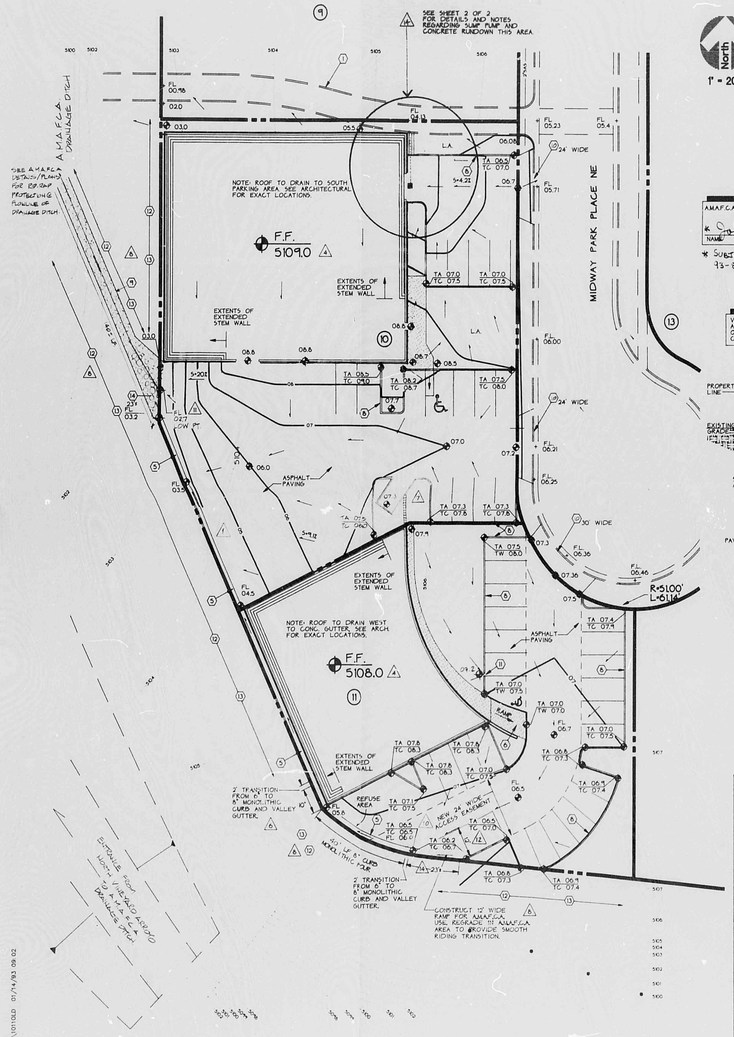
PUBLIC WORKS/HYDROLOGY

1 OF 2

F17/D610



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
x 65.7	EXISTING SPOT ELEVATION	TC	TOP OF CURB
20	EXISTING CONTOUR	FL	FLOW LINE
75.2	PROPOSED SPOT ELEVATION	FF	FINISHED FLOOR
20	PROPOSED CONTOUR	R/W	RIGHT OF WAY
	SURFACE FLOW DIRECTION (EXISTING, PROPOSED)	PL	PROPERTY LINE
		PP	POWER POLE

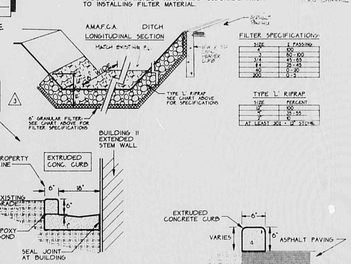
A.M.A.F.C.A. APPROVAL

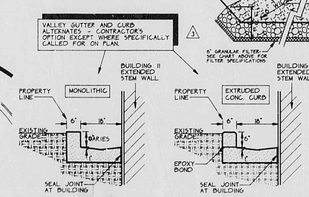
* Stephen Kelly 3-24-93
NAME DATE

* SUBJECT TO APPROVAL OF DRB CASE 93-86 (RELOCATION OF AMAFCA ACCESS EASEMENT)

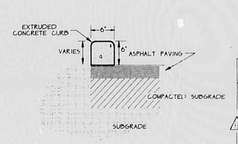
A.M.A.F.C.A. DETAILS AND NOTES

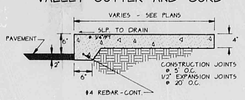
1. CALL JOHN KELLY AT AMAFCA TWO DAYS PRIOR TO WORK IN R.O.W. 884-2251
2. RIPRAP MUST BE ANGULAR TYPE 'L' AMAFCA TO INSPECT RIPRAP AND SUBGRADE PRIOR TO INSTALLING FILTER MATERIAL.





VALLEY GUTTER AND CURB





TURNED DOWN WALK

RESUBMITTAL MARCH 26 1993

1. EASEMENT PROVIDED PER PLAN (FENCE OFF 5' SLOPE) JOHN
2. NOTE ADDED TO CALCULATION
3. ALTERNATE NOTE ADDED TO VALLEY GUTTER DETAIL
4. FINISH FLOOR LEVEL CHANGED TO FULL MEAN SEA LEVEL
5. 8" CORRECTED TO 6" IN SLOPE NARRATIVE
6. CURB HEIGHT MODIFIED AT ENTRANCE TO VALLEY GUTTER
7. REFUSE AREA - LOT 10 REVISED
8. SEE NEW KEYED NOTES #12, 13 AND 14 - PER AMAFCA
9. CHANNEL CROSS SECTION MODIFIED - PER AMAFCA
10. RELOCATED ACCESS EASEMENT - PER AMAFCA
11. MODIFIED ENTRANCE TO RIP-RAP SWALE - PER AMAFCA
12. [illegible]

CHRISTOPHER L. WEISS 3-26-93
DATE

EXTRUDED CONCRETE CURB

KEYED NOTES

12. AMAFCA PROPERTY TO BE RESTORED TO ORIG. GRADES AND SLOPES AFTER CONSTRUCTION OF EXTENDED STEMWALL. FILL TO BE REPLACED AT 95% MOD. PROCTOR. FINAL GRADES AND SLOPES TO BE APPROVED BY AMAFCA FIELD ENGINEER.
13. NATIVE RE-VEGETATION OF ALL DISTURBED AREAS PER CoDA STANDARD SPECIFICATION SECTION 1012 "NATIVE GRASS SEEDING" MIX 412. AFTER APPROVAL OF KEYED NOTE #12.
14. CONSTRUCT 6"WIDE X 3' DEEP CONCRETE CUTOFF WALL PER CoDA STD. DWG. #2415 FOR ASPHALT EROSION PROTECTION.

KEYED NOTES

1. EXISTING 10'W. CONC. DRAINAGE CHANNEL
2. INSTALL 48 LF POLYDRAIN SYSTEM TRENCH DRAIN TO INCLUDE WYE AND ACCESSORIES. DETAIL "WHERE" SHOWS ALL DIMENSIONS WITH BUILT-IN GRATE. PITCH TO THE SOUTH. GRATE TO BE IN-LAY TYPE. TRENCH TO DISCHARGE INTO A PVC. SEE PROFILE.
3. 6" PVC PIPE AT 5+05 TO CARRY FLOWS FROM TRENCH DRAIN AS NEEDED TO DISCHARGE POINT. CUT PIPE TO EXTERNAL TO PAVEMENT SURFACE.
4. INSTALL CLEANOUT FOR STORM DRAIN.
5. CONSTRUCT VALLEY GUTTER AND CURB ALONG WEST BOUNDARY OF LOTS 10 + 11. SEE DETAIL AT LEFT
6. RAMP CONC. WALK TO MATCH ASPHALT.
7. NOT USED
8. 6" HIGH EXTRUDED CONCRETE CURB. TYPICAL EXCEPT AS NOTED FOR VALLEY GUTTER AND CURB. SEE DETAIL AT LEFT
9. PROVIDE RIP-RAP SWALE TO TOE OF SLOPE OF EXISTING AMAFCA SIDE DITCH. SEE DTLS.
10. CONSTRUCT CONCRETE DRIVEWAY ENTRANCE AS SHOWN. PROVIDE DEPRESSED CURB FOR SIDE-WALK RAMP. SEE C.O.A. STD. DWG. 2425.
11. PROVIDE 1' CURB OPENING AS INDICATED. SEE DETAIL AT LEFT

GENERAL NOTES:
1. PROVIDE CONTRACTION JOINTS @ 6' O.C. MAX. AT ENTRANCE TO VALLEY GUTTER. ADJUST AS NECESSARY.
2. EDGES SHOULD BE REMOVED WITH 1/4" EDGING TOOL

GENERAL NOTES

LEGAL: Lot 10 and 11, Jefferson Commons, Albuquerque, NM.

SURVEYOR: Ronald Forstbauer Surveying, Rio Rancho, NM, July 1989.

B.M.: "SC 27.26", a standard BLM brass cap set in concrete, projecting 1.0' above the ground. Cap is located approximately 350' northwest of intersection of Singer & Midway Park Boulevards, N.E. Elevation = 5110.41.

T.B.M.: 'X' on top of curb at the south side of the south driveway - lot 10. Elevation = 5106.78

SCOPE:

The present sites are undeveloped lots located within the Jefferson Commons subdivision and are designated as Area "L" in the Master Drainage Plan. The lots slope down to the west to an existing AMAFCA secondary interceptor ditch, which only boarders lot 10. Lot 11 will have to drain through lot 10 in order to reach the common outfall point into this secondary interceptor ditch. This drainage concept is referenced in the approved Master Drainage plan for Jefferson Commons in which total Area "L" runoff is discharged directly into the secondary interceptor ditch via a common outfall point at lot 10.

The proposed improvements consist of a 9495 SF slab-on-grade building, two asphalt paved parking areas, a loading dock area and associated walks and landscaping for lot 10 and a 5900 SF slab-on-grade building, two asphalt paved parking areas and associated walks and landscaping for lot 11.

Overall, runoff from the roofs and parking areas of both lots will be channeled to the low point of lot 10 by a variety of means. Lot 10 has two sub basins. The area in the front of the building consists of a landscaped area and parking/loading dock area which drains into a trench drain located at the low point of the loading dock. This in turn is gravity drained via an 6" pvc to the common outfall point for the site. The remainder of the lot conveys its surface drainage across parking areas. Lot 11 has two sub basins. The front parking area drains directly into the adjacent parking area of lot 10. The remainder of the lot drains to a small concrete channel located behind the building for direct routing of flows into outfall point of lot 10.

LOT 10 and 11 - CALCULATIONS

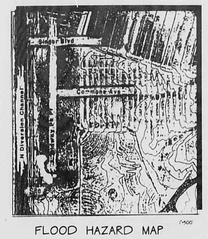
Area draining directly to rundown = 0.59 Ac. (Previously set at 0.50Ac. per Master Drainage Plan. The increased area for Lot 10 was due to a shift of the common lot line between lots 10/11. The area of lot 11 was reduced to 0.41 Ac. but the total for "Area L" (Lots 10 and 11) - Master Drainage Plan, still remains at 1.0 Ac.)

Lot 10 $Q_{100} = CIA = (0.84)(4.35)(0.59) = 2.3$ CFS total area runoff
Sub basin draining to loading dock = 0.09 Ac.
$Q_{100} = CIA = (0.84)(4.35)(0.09) = 0.35$ CFS to gravity drain pipe
From Kutters Formula, an 6" pvc pipe installed at 0.5% slope will carry 0.5 CFS √

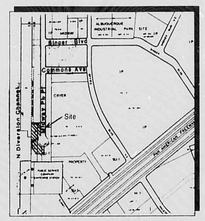
Lot 11 $Q_{100} = CIA = (0.84)(4.65)(0.41) = 1.6$ CFS to concrete drain
Capacity of 6" deep, 18" wide conc. rectangular section 1.5% slope = 3.6 CFS √
Flows will be carried in conc. channel behind Lot 11 at a depth of [illegible]

Total flows for "Area L" remain the same as previously calculated for "Area L" (Lots 10 and 11) = 4 CFS - Master Drainage Plan

DEPTH OF FLOW OF 18" WIDE CONC. VALLEY
SLOPE = 0.5% AT ENTRANCE TO CHANNEL
ADJACENT TO LOT 11 BUILDING = 0.4C
VELOCITY OF FLOWS AT ENTRANCE POINT = 2.6FT/SEC
INCREASED WATER DEPTH DUE TO ENTRANCE LOSS = 0.1 FT
TOTAL DEPTH = 0.4 + 0.1 = 0.5 FT
INCREASE CHANNEL CURB HEIGHT TO 6" WHERE SHOWN TO ACCOMODATE FLOW DEPTH THIS AREA



FLOOD HAZARD MAP



VICINITY MAP F-17

REVISIONS
DRAWN: D.R.
CHECKED: C.L.W.

C.L. WEISS ENGINEERING, INC.
POST OFFICE BOX 87 SANDIA PARK, N.M. 87047 - (505) 281-9500
1100 ALVARADO DR. NE ALBUQUERQUE, N.M. 87110 - (505) 266-3444

JEFFERSON COMMONS LOTS 10/11
DRAINAGE / GRADING PLAN

FEB 25 '93

SHEET 1 OF 1

R# 25 DATE 3-19-02 OP KP

CITY OF ALBUQUERQUE

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PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

CITY OF ALBUQUERQUE
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PLANS/PLATS ON FILE

FILE DESC: F17/D610

PLANS/PLATS 3

F 30 D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D F

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
x 857	EXISTING SPOT ELEVATION	TC	TOP OF CURB
20	EXISTING CONTOUR	FL	FLOW LINE
75.2	PROPOSED SPOT ELEVATION	FF	FINISHED FLOOR
70	PROPOSED CONTOUR	R/W	RIGHT OF WAY
	SURFACE FLOW DIRECTION (EXISTING, PROPOSED)	PL	PROPERTY LINE
		PP	POWER POLE

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. (884-2225)
2. RIPRAP MUST BE ANGULAR TYPE L. A.M.A.F.C.A. TO INSPECT RIPRAP AND SUBGRADE PRIOR TO INSTALLING FILTER MATERIAL

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

A.M.A.F.C.A. DITCH LONGITUDINAL SECTION

FILTER SPECIFICATION

TYPE L RIPRAP

VALLEY GUTTER AND CURB ALTERNATES. CONTRACTOR'S OPTION EXCEPT WHERE SPECIFICALLY CALLED FOR ON PLAN.

BUILDING 11 EXTENDED STEM WALL
PROPERTY LINE
MONOLITHIC
EXTRUDED CONC. CURB
EXISTING GRADE
VARIES
EPOXY BOND
SEAL JOINT AT BUILDING

VALLEY GUTTER AND CURB

VARIES - SEE PLANS
SLP. TO DRAIN
PAVEMENT
CONSTRUCTION JOINTS @ 5' O.C.
1/2" EXPANSION JOINTS @ 20' O.C.
#4 REBAR - CONT.

TURNED DOWN WALK

RESUBMITTAL MARCH 26, 1993
1. EASEMENT PROVIDED
2. NOTE ADDED TO CALCULATIONS
3. ALTERNATE NOTE ADDED TO VALLEY GUTTER DETAIL
4. FINISH FLOOR LEVEL CHANGED TO FULL MEAN SEA LEVEL
5. "A" CORRECTED TO 6" IN SCOPE NARRATIVE
6. CURB HEIGHT MODIFIED AT ENTRANCE TO VALLEY GUTTER
7. REFUSE AREA - LOT 10 REVISED
8. SIX NEW KEYED NOTES #8, 9, 10 AND 14 - PER AMAFCA
9. CHANNEL CROSS SECTION MODIFIED - PER AMAFCA
10. RELOCATED ACCESS EASEMENT - PER AMAFCA
11. MODIFIED ENTRANCE TO RIP-RAP SWALE - PER AMAFCA

CHRISTOPHER L. WEISS DATE

EXTRUDED CONCRETE CURB

EXTRUDED CONCRETE CURB
VARIES
ASPHALT PAVING
COMPACTED SUBGRADE
SUBGRADE

GENERAL NOTES
1. PROVIDE CONTRACTION JOINTS @ 10' O.C. MAX. PROVIDE EXPANSION JOINTS ADJACENT TO BUILDING WALLS AND CURB KEYPOINTS
2. FORMS SHOULD BE REMOVED WITH 24 HOURS TODD.

KEYED NOTES

12. AMAFCA PROPERTY TO BE RESTORED TO ORIG. GRADES AND SLOPES AFTER CONSTRUCTION OF EXTENDED STEMWALL. FILL TO BE REPLACED AT 95% MOD. PROCTOR. FINAL GRADES AND SLOPES TO BE APPROVED BY AMAFCA FIELD ENGINEER.
13. NATIVE RE-VEGETATION OF ALL DISTURBED AREAS PER C.O.A. STANDARD SPECIFICATION SECTION 1012 "NATIVE GRASS SEEDING" MIX 412, AFTER APPROVAL OF KEYED NOTE #12.
14. CONSTRUCT 6" WIDE X 3' DEEP CONCRETE CUTOFF WALL PER C.O.A. STD. DWG. 2415 FOR ASPHALT EROSION PROTECTION.

KEYED NOTES

1. EXISTING 10'W CONC. DRAINAGE CHANNEL
2. INSTALL 4" I.P. POLYDRAIN SYSTEM TRENCH DRAIN IN ACCORDANCE WITH MANUFACTURER'S DETAILS. TOP WITH 4" 4" RADIUSED BOTTOM WITH BUILT IN LINER SLOPE TO THE SOUTH DRAIN TO PIPE IN LAY TYPE TRENCH TO DISCHARGE INTO 4" PVC. SEE PROFILE
3. 6" PVC PIPE AT MOST TO CARRY FLOWS FROM TRENCH DRAIN AS INDICATED TO DISCHARGE POINT. CUT PIPE TO CONFORM TO PAVEMENT SLOPE.
4. INSTALL CLEANOUT FOR STORM DRAIN.
5. CONSTRUCT VALLEY GUTTER AND CURB ALONG WEST BOUNDARY OF LOTS 10 + 11 SEE DETAIL AT LEFT
6. RAMP CONC. WALK TO MATCH ASPHALT
7. NOT USED
8. 6" HIGH EXTRUDED CONCRETE CURB. TYPICAL EXCEPT AS NOTED FOR VALLEY GUTTER AND CURB. SEE DETAIL AT LEFT
9. PROVIDE RIP RAP SWALE TO TOE OF SLOPE OF EXISTING AMAFCA SIDE DITCH. SEE DTLS
10. CONSTRUCT CONCRETE DRIVEWAY ENTRANCE AS SHOWN. PROVIDE DEPRESSED CURB FOR SIDE WALK RAMP. SEE C.O.A. STD. DWG. 2425
11. PROVIDE 1' CURB OPENING AS INDICATED SEE DETAIL AT LEFT

GENERAL NOTES

LEGAL: Lot 10 and 11, Jefferson Commons, Albuquerque, NM.

SURVEYOR: Ronald Forstbauer Surveying, Rio Rancho, NM, July 1989

B.M.: "SC 27 25" a standard BLM brass cap set in concrete, projecting 1.0' above the ground. Cap is located approximately 350' northwest of intersection of Singer & Midway Park Boulevards, N.E. Elevation = 5110.41

T.B.M.: "X" on top of curb at the south side of the south driveway, lot 10. Elevation = 5106.78

SCOPE:

The present sites are undeveloped lots located within the Jefferson Commons subdivision and are designated as Area "L" in the Master Drainage Plan. The lots slope down to the west to an existing AMAFCA secondary interceptor ditch, which only boarders lot 10. Lot 11 will have to drain through lot 10 in order to reach the common outfall point into this secondary interceptor ditch. This drainage concept is referenced in the approved Master Drainage plan for Jefferson Commons in which total Area "L" runoff is discharged directly into the secondary interceptor ditch via a common outfall point at lot 10.

The proposed improvements consist of a 9495 SF slab on-grade building, two asphalt paved parking areas, a loading dock area and associated walks and landscaping for lot 10 and a 5900 SF slab on-grade building, two asphalt paved parking areas and associated walks and landscaping for lot 11.

Overall, runoff from the roofs and parking areas of both lots will be channeled to the low point of lot 10 by a variety of means. Lot 10 has two sub basins. The area in the front of the building consists of a landscaped area and parking/loading dock area which drains into a trench drain located at the low point of the loading dock. This in turn is gravity drained via an 8" pvc to the common outfall point for the site. The remainder of the lot conveys its surface drainage across parking areas. Lot 11 has two sub basins. The front parking area drains directly into the adjacent parking area of lot 10. The remainder of the lot drains to a small concrete channel located behind the building for direct routing of flows into outfall point of lot 10.

LOT 10 and 11 - CALCULATIONS

Area draining directly to rundown = 0.55 Ac. (Previously set at 0.50 Ac. per Master Drainage Plan. This increased area is due to a shift in the common lot line between lots 10 & 11. The area of lot 11 was reduced to 0.41 Ac. but the total for "Area L" (Lots 10 and 11 - Master Drainage Plan) still remains at 1.0 Ac.)

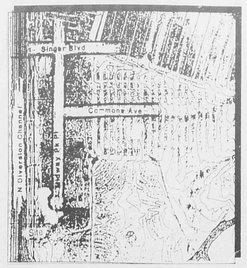
Lot 10 - $Q_{100} = CIA = (0.84)(4.35)(0.55) = 2.3$ CFS total area runoff
Sub basin draining to loading dock = 0.09 Ac.
$Q_{100} = CIA = (0.84)(4.35)(0.09) = 0.35$ CFS to gravity drain pipe
From Kutter's Formula an 8" pvc pipe installed at 0.5% slope will carry 0.5 CFS.

Lot 11 - $Q_{100} = CIA = (0.84)(4.65)(0.41) = 1.6$ CFS to concrete drain
Capacity of 6" deep, 18" wide conc. rectangular section 1.5% slope = 3.4 CFS
Flows will be carried in conc. channel behind Lot 11 at a depth of

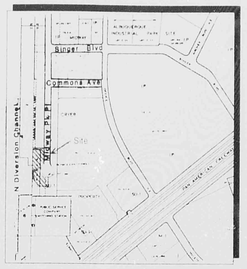
Total flows for "Area L" remain the same as previously calculated for "Area L" (Lots 10 and 11) - 4.0 CFS - Master Drainage Plan

DEPTH OF FLOW OF 8" WIDE CONC. VALLEY SLOPE = 0.55 AT ENTRANCE TO CHANNEL
ADJACENT TO LOT 11 BUILDING = 0.41
VELOCITY OF FLOW AT ENTRANCE POINT = 2.87 FEET
INCREASED WATER DEPTH DUE TO ENTRANCE LOSS = 0.01 FT.
TOTAL DEPTH = 0.41 + 0.01 = 0.51
INCREASE CHANNEL CURB HEIGHT TO 8" WHERE SHOWN TO ACCOMODATE FLOW DEPTH THIS AREA

FLOOD HAZARD MAP



VICINITY MAP F-17



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REVISIONS

JEFFERSON COMMONS LOTS 10/11
DRAINAGE / GRADING PLAN

FEB. 25 '93

SHEET 1 OF 1

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

CITY OF ALBUQUERQUE
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R# 15 DATE 3-19-02 OP

CITY OF ALBUQUERQUE

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DIRECTOR

NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
07/03/02

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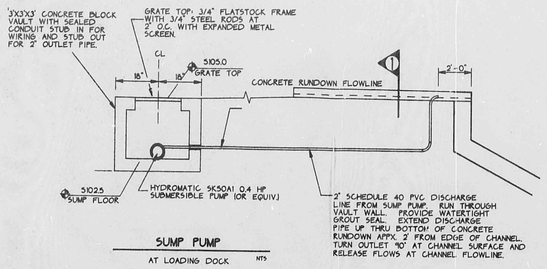
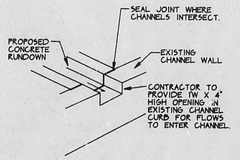


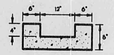
SUMP PUMP

AT LOADING DOCK NTS



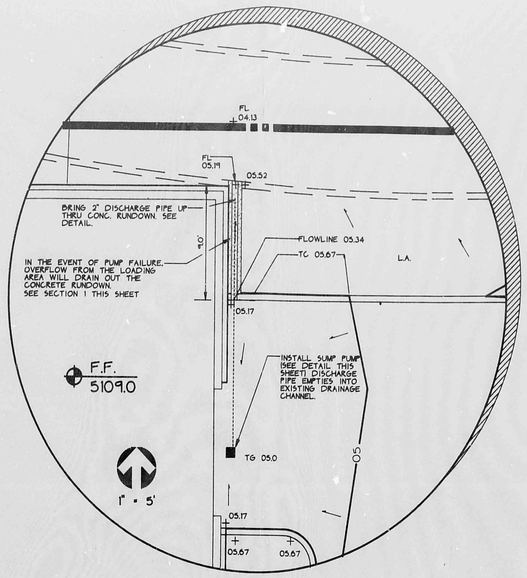
EXISTING CHANNEL CUT 14

@ CONCRETE RUNDOWN NTS



SECTION 1

CONCRETE RUNDOWN NTS



LOT 10 DOCK AREA
ENLARGED PLAN VIEW 14

RESUBMITTAL: OCTOBER 22, 1993

14 REMOVE DOCK AREA TRENCH DRAIN / DISCHARGE PIPE AND ALL REFERENCES.

14 INSTALL SUMP PUMP WITH DISCHARGE INTO EXISTING CONCRETE CHANNEL. CONSTRUCT CONCRETE RUNDOWN FOR OVERFLOW.

CHRISTOPHER L. WEISS, P.E. — DATE

14 **SUMP PUMP CALCULATIONS:**

AREA DRAINING TO SUMP = APPROXIMATELY 4,000 SF = 0.1 AC (APPROXIMATELY 50% TREATMENT B, 50% TREATMENT D)

$Q_{100} = (2.28)(0.1)(0.5)+(4.71)(0.1)(0.5) = 0.4$ CFS

$V_{100} = \left(\frac{(0.78)(0.1)(0.5) + (2.12)(0.1)(0.5)}{0.1}\right) \times \frac{0.1}{12} \times 43560 = 526$ CFT/7.5 GAL/CF) = 3,950 GALLONS

BASED ON MANUFACTURER'S PUMP CURVES FOR SPECIFIED PUMP.
PUMP VOLUME RATE: 75-100 GPM < 1 HOUR TO PUMP PEAK VOLUME

VOLUME OF LOADING DOCK SUMP AREA = 232 CF AVAILABLE < 526 CF FOR 100 YR. STORM
SUMP PUMP WILL DRAIN EXCESS TO CHANNEL.

IN CASE OF PUMP FAILURE, CONCRETE RUNDOWN WILL SERVE AS A SPILLWAY TO CARRY THE MAJORITY OF FLOWS TO THE EXISTING CHANNEL.

CONCRETE RUNDOWN:

U-SHAPED CONCRETE RUNDOWN:
WITH N=0.017, S=0.015', Q=0.4 CFS AND CHANNEL WIDTH = 1.0'
REQUIRED CHANNEL DEPTH = 0.15' < 0.33' → OK

RECEIVED OCT 26

D:\CHART\JEFF\101\100C2DF2 10/22/93 01:15:46

REVISIONS
OCTOBER 1993
DESIGNED D.J.D.
DRAWN D.J.D.
CHECKED C.L.W.

C.L. WEISS ENGINEERING, INC.
POST OFFICE BOX 87 SANDIA PARK, N.M. 87047 - (505) 281-1500
1120 ALVARADO DR. NE ALBUQUERQUE, N.M. 87110 - (505) 266-3444

JEFFERSON COMMONS LOTS 10/11
DRAINAGE / GRADING PLAN

OCT. 22 '93

SHEET 2 OF 2

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R# 25 DATE 3-19-02 OP KSP

CITY OF ALBUQUERQUE

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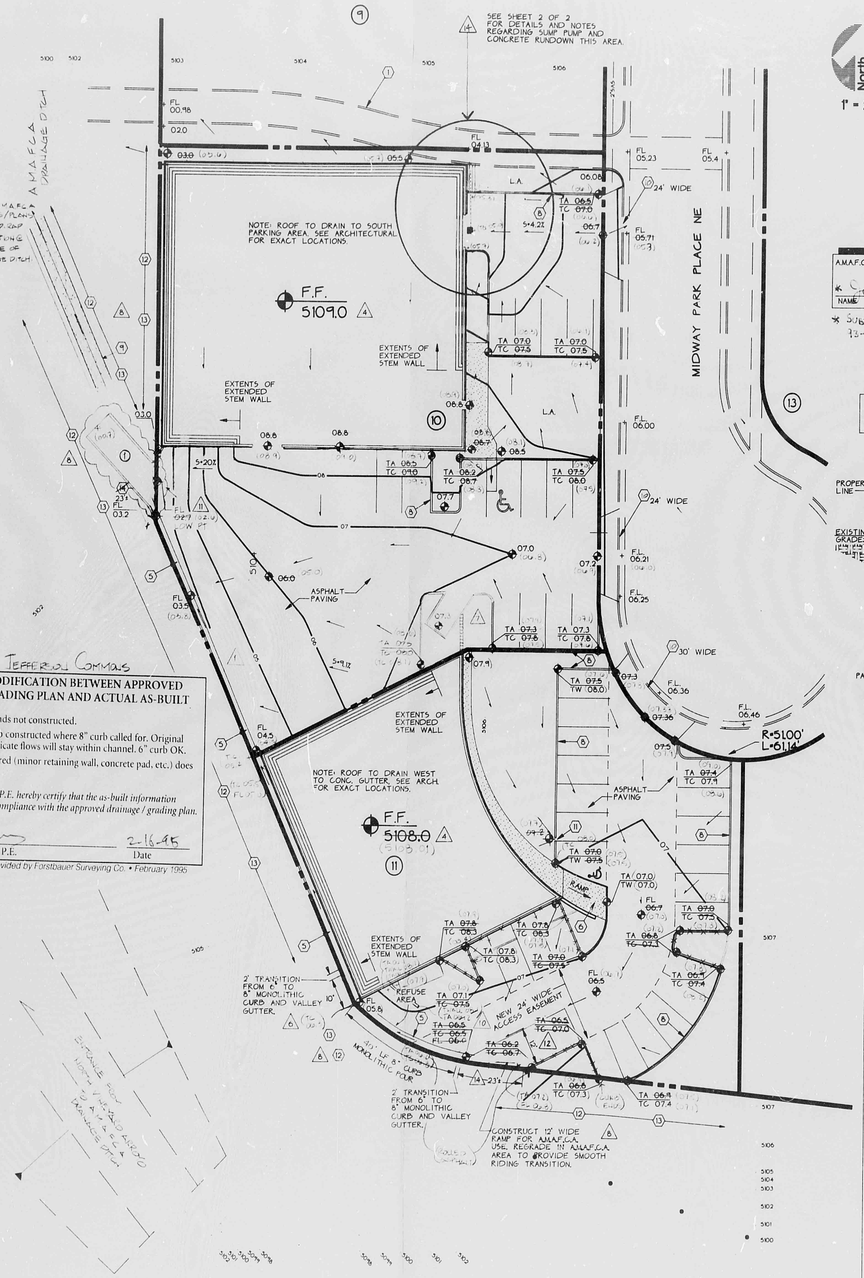
The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (NMA-1977)

3/15/02
DIRECTOR

NOTARY PUBLIC

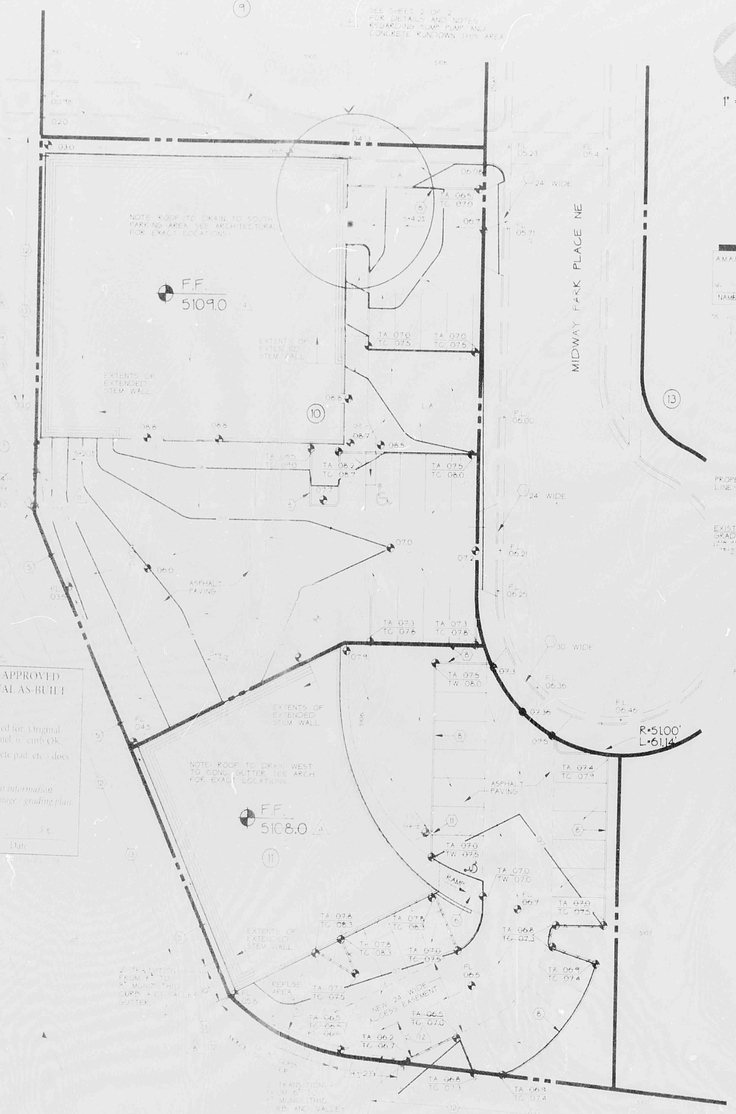
OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
07/02/02

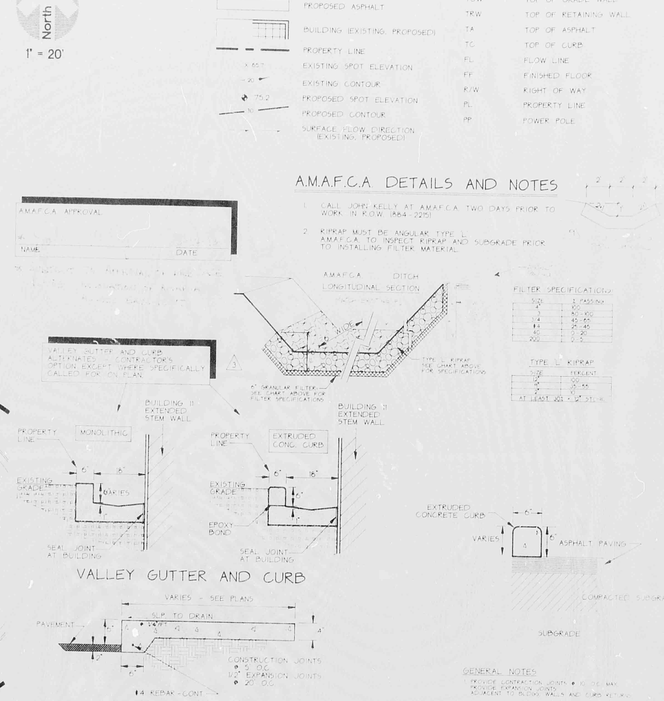

SEE SHEET 2 OF 2 FOR DETAILS AND NOTES REGARDING SUMP PUMP AND CONCRETE RUNDOWN THIS AREA.
A.M.A.F.C.A. DRAINAGE DITCH
SEE A.M.A.F.C.A. DETAILS/PLAN FOR R.P. RAP PROTECTING FLOWLINE OF DRAINAGE DITCH
NOTE: ROOF TO DRAIN TO SOUTH PARKING AREA. SEE ARCHITECTURAL FOR EXACT LOCATIONS.
F.F. 5109.0
EXTENTS OF EXTENDED STEM WALL
24' WIDE
30' WIDE
MIDWAY PARK PLACE NE
ASPHALT PAVING
NOTE: ROOF TO DRAIN WEST TO CONC. GUTTER. SEE ARCH. FOR EXACT LOCATIONS.
F.F. 5108.0
R=5100' L=611'
2' TRANSITION FROM 6" TO 8" MONOLITHIC CURB AND VALLEY GUTTER.
NEW 24' WIDE ACCESS EASEMENT
REFUSE AREA
CONSTRUCT 12' WIDE RAMP FOR A.M.A.F.C.A. USE. REGRADE IN A.M.A.F.C.A. AREA TO PROVIDE SMOOTH RIDING TRANSITION.
EXISTING 8" CMP
EXISTING 6" CMP
EXISTING 12" CMP
EXISTING 18" CMP
EXISTING 24" CMP
EXISTING 30" CMP
EXISTING 36" CMP
EXISTING 48" CMP
EXISTING 60" CMP
EXISTING 72" CMP
EXISTING 84" CMP
EXISTING 96" CMP
EXISTING 108" CMP
EXISTING 120" CMP
EXISTING 132" CMP
EXISTING 144" CMP
EXISTING 156" CMP
EXISTING 168" CMP
EXISTING 180" CMP
EXISTING

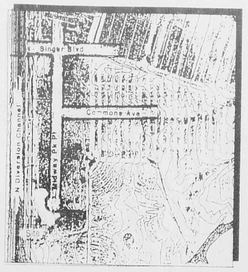
PUBLIC WORKS/HYDROLOGY

2 OF 2

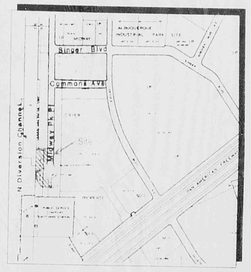
F17/D610







FLOOD HAZARD MAP



VICINITY MAP F-17

KEYED NOTES

1. EXISTING 10'W CONC. DRAINAGE CHANNEL
2. INSTALL 8" LF FOUNDRAIN SYSTEM (TRENCH DRAIN IN ACCORDANCE WITH MANUFACTURER'S DETAILS FOR INSTALLATION REQUIRED INSTITUTIONS WITH OUTLET PIPE TO THE SOUTH GRATE TO BE FLAT-LAY TYPE TRENCH TO DISCHARGE INTO 4 PVC. SEE SCHEDULE
3. 4" PVC PIPE AT HOSE TO CARRY FLOWS FROM TRENCH DRAIN AS INDICATED TO DISCHARGE POINT. CUT PIPE TO CONFORM TO PAVEMENT SLOPE
4. INSTALL CLEANOUT FOR STORM DRAIN
5. CONSTRUCT VALLEY GUTTER AND CURB ALONG WEST BOUNDARY OF LOTS 10 & 11 SEE DETAIL AT LEFT
6. RAMP CONC. WALK TO MATCH ASPHALT
7. NOT USED
8. 6" HIGH EXTRUDED CONCRETE CURB TYPICAL EXCEPT AS NOTED FOR VALLEY GUTTER AND CURB SEE DETAIL AT LEFT
9. PROVIDE RIP-RAP SWALE TO TOE OF SLOPE OF EXISTING AMAFCA SIDE DITCH. SEE DETAIL
10. CONSTRUCT CONCRETE DRIVEWAY ENTRANCE AS SHOWN. PROVIDE DEPRESSED CURB FOR SIDEWALK RAMP. SEE COA STD. DWG. 2425
11. PROVIDE 1' CURB OPENINGS AS INDICATED SEE DETAIL AT LEFT

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JEFFERSON COMMONS LOTS 10/11
DRAINAGE / GRADING PLAN

2-16-93

FEB 25 '93

SHEET OF

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

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R# 55 DATE 3-17-92 OP 67

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3/5/92
DIRECTOR

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07/22/92

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