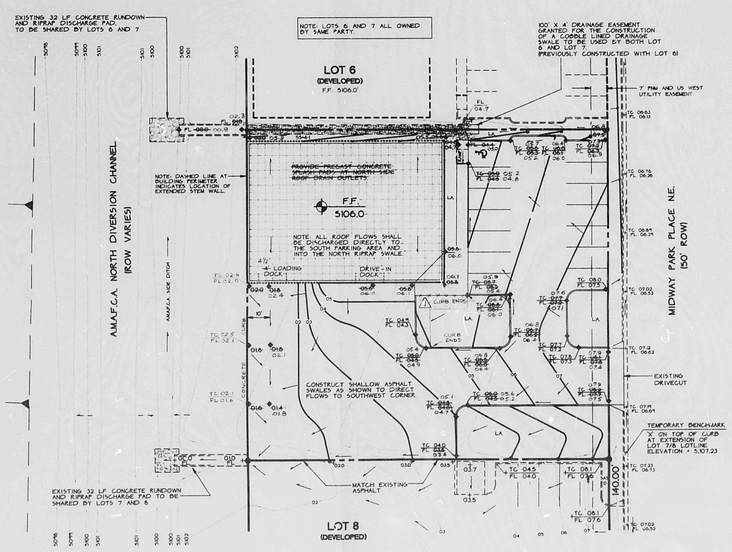
PUBLIC WORKS/HYDROLOGY

1 OF 2

F17/D61M



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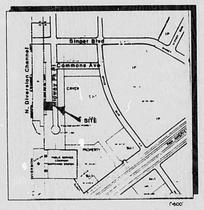
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Interstate 40
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Menaul Blvd.
Indian School Rd.
Central Ave.
Lomas Blvd.
Gibson Blvd.
Kirtland AFB
Coronado Park
Tramway Blvd.
Unser Blvd.
Coors Blvd.
Paseo del Norte
Ellison Dr.
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Montgomery Blvd.
Alameda Blvd.
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Comanche Rd.
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Rio Rancho
Corrales
Bernalillo
Tijeras
Edgewood
Moriarty
Estancia
Mountainair
Belen
Los Lunas
Tome
Bosque Farms
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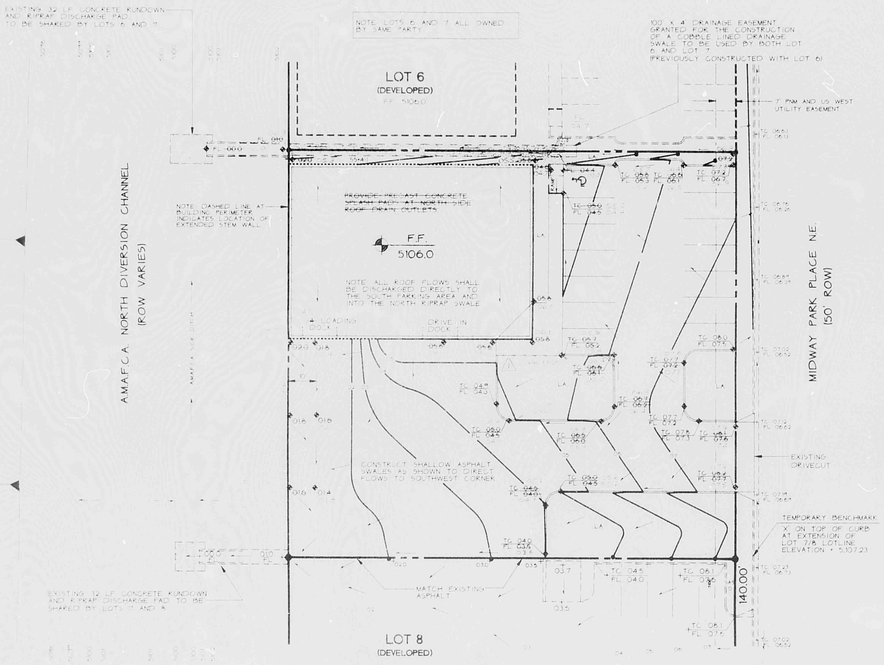
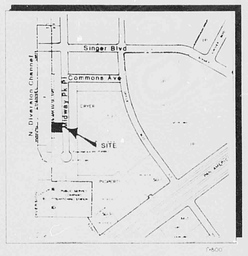
Placitas
Cedar Crest
Tijeras
Sandia Park

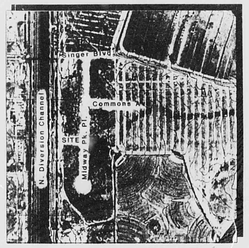


North

1" = 20'



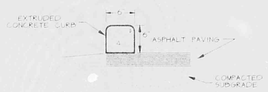
VICINITY MAP F-17



FLOOD HAZARD MAP

LEGEND

	SIDEWALK, CURB AND GUTTER (EXISTING, PROPOSED)
	PROPOSED ASPHALT
	BUILDING (EXISTING, PROPOSED)
	PROPERTY LINE
x 5457	EXISTING SPOT ELEVATION
25	EXISTING CONTOUR
75.2	PROPOSED SPOT ELEVATION
	PROPOSED CONTOUR
	SURFACE FLOW DIRECTION (EXISTING, PROPOSED)
LA	LANDSCAPED AREA
TSW	TOP OF GRADE WALL (< 18" HIGH)
TRW	TOP OF RETAINING WALL (> 18" HIGH)
TA	TOP OF ASPHALT
TG	TOP OF CURB
FL	FLOW LINE
FF	FINISHED FLOOR
R/W	RIGHT OF WAY
PL	PROPERTY LINE
PP	POWER POLE



GENERAL NOTES:

1. PROVIDE CONTRACTION JOINTS AT 10' O.C. MAX.
2. PROVIDE EXPANSION JOINTS ADJACENT TO BUILDINGS, WALLS AND CURB AT 100' MAX.
3. EDGES SHOULD BE REMOVED WITH 3/8" EDGING TOOL

DETAIL A

EXTRUDED CONCRETE CURB NTS

GENERAL NOTES:

LEGAL: LOT 7, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

SURVEYOR: KONALD FORSTBAUER SURVEYING, ALBUQUERQUE, NEW MEXICO

BM: SC 27 | 26 / 34 | 35 — A STANDARD BLM BRASS CAP SET IN CONCRETE PROJECTING 10" ABOVE THE GROUND. CAP IS LOCATED APPROXIMATELY 350' NORTHWEST OF THE INTERSECTION OF SINGER AND MIDWAY PARK BLVDS. N.E. ELEVATION = 5101.41

TBM: X ON TOP OF CURB AT THE EXTENSION OF LOTS 7/8 LOT LINE. ELEVATION = 5107.23

SCOPE:

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

PROPOSED IMPROVEMENTS FOR THE SITE INCLUDE A 5,100 SF SLAB-ON-GRADE BUILDING, AN ASPHALT-PAVED PARKING AREA AND ASSOCIATED WALKS AND LANDSCAPED AREAS.

FREE DISCHARGE OF DEVELOPED FLOWS INTO THE A.M.A.F.C.A. SECONDARY INTERCEPTOR CHANNEL LOCATED ADJACENT TO THE SITE IS ALLOWED AS ESTABLISHED BY THE MASTER DRAINAGE CRITERIA FOR JEFFERSON COMMONS (APPROVED JANUARY, 1993 AND REVISED AUGUST, 1993). MOST OF THE SITE'S DEVELOPED FLOWS (0.25 CFS) WILL DRAIN TO THE SOUTH PARKING AREA WHERE THEY WILL BE CONCENTRATED IN SHALLOW ASPHALT SWALES AND DISCHARGED INTO THE KUNDOWN LOCATED AT THE SOUTHWEST PROPERTY CORNER. A COBBLE-LINED SWALE PREVIOUSLY CONSTRUCTED ON THE NORTH PROPERTY LINE WILL CARRY THE REMAINDER OF THE SITE'S RUNOFF TO AN EXISTING KUNDOWN LOCATED AT THE NORTHWEST PROPERTY CORNER.

NO OFFSITE FLOWS AFFECT THE SITE.

CALCULATIONS:

AREA OF SITE: 21,734 SF = 0.50 ACRE

SOUTHWEST KUNDOWN:

AREA DRAINING TO NW = 13,048 SF = 0.30 ACRE

LOT 7: Q_{100} = C1A = (0.84)(4.5)(0.30) = 1.2 CFS
LOT 6: (PREVIOUSLY CALCULATED) Q_{100} = 1.6 CFS
FLOW CAPACITY = PER MANNING'S EQUATION WITH Q_{100} = 2.8 CFS, S = 3.2% (MIN), W = 48", AND N = 0.015, FLOW DEPTH = 0.15 [OK]

NORTHWEST KUNDOWN:

AREA DRAINING TO NW = 8,645 SF = 0.20 ACRE

LOT 7: Q_{100} = C1A = (0.84)(4.5)(0.20) = 0.8 CFS
LOT 6: (PREVIOUSLY CALCULATED) Q_{100} = 0.7 CFS
FLOW CAPACITY = PER MANNING'S EQUATION WITH Q_{100} = 1.5 CFS, S = 3.2% (MIN), W = 48", AND N = 0.015, FLOW DEPTH = 0.7 [OK]

KUNDOWN INLET CAPACITY (WORST CASE):

USING WEIR FORMULA: $Q_{100} = C_w L H^{3/2}$, WITH C_w = 2.65, L = 4' AND H = 0.5'
Q_{100} = 3.8 CFS, RUNOFF FULL 3.1 CFS REQUIRED [OK]

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

1. Additional sidewalk 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.

Christopher L. Weiss, P.E. — Date 10-25-94

C.L. WEISS ENGINEERING, INC.
POST OFFICE BOX 97 SANDIA PARK, N.M. 87047 - (505) 281-9800
1100 ALVARADO DR. NE ALBUQUERQUE, N.M. 87110 - (505) 266-3444

REVISIONS

JEFFERSON COMMONS LOT 7
DRAINAGE / GRADING PLAN

SHEET OF

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# 35 DATE 3/19/02 OP EP

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 (MS1B-1977)

DIRECTOR

NOTARY PUBLIC

07/02/02

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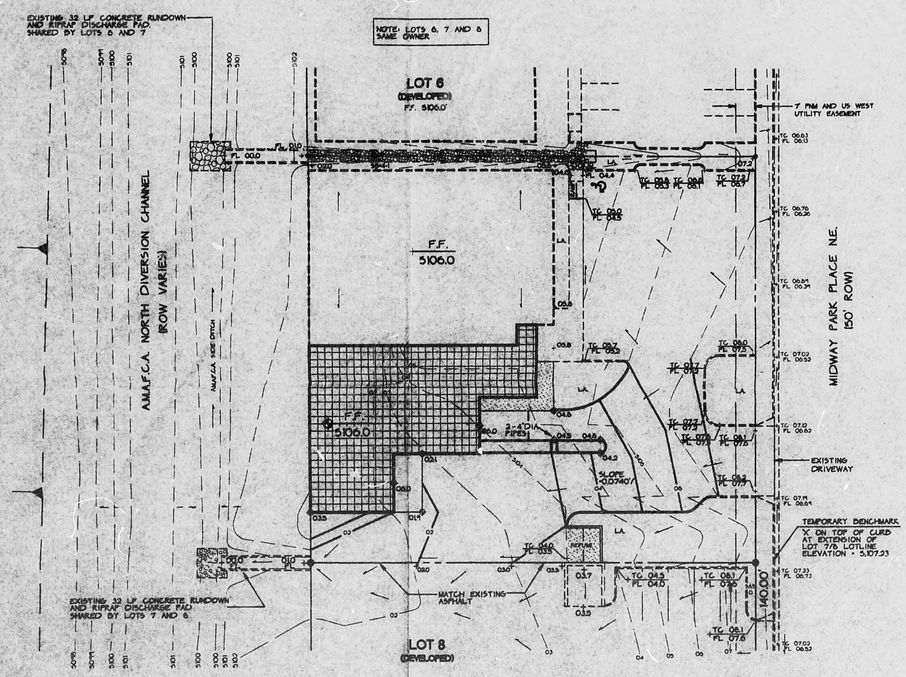
CITY OF ALBUQUERQUE C D



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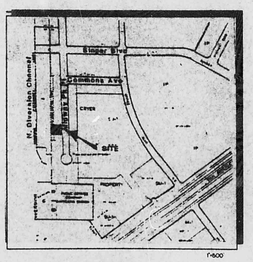
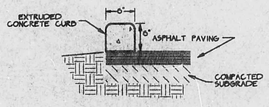


VICINITY MAP F-17

FLOOD HAZARD MAP

LEGEND

- SIDEWALK, CURB AND GUTTER (EXISTING, PROPOSED)
- PROPOSED ASPHALT
- BUILDING (EXISTING, PROPOSED)
- PROPERTY LINE
- x 65.7 EXISTING SPOT ELEVATION
- 20 EXISTING CONTOUR
- ⊕ 75.2 PROPOSED SPOT ELEVATION
- 30 PROPOSED CONTOUR
- SURFACE FLOW DIRECTION (EXISTING, PROPOSED)
- LA LANDSCAPED AREA
- TGW TOP OF GRADE WALL (< 16" HIGH)
- TRW TOP OF RETAINING WALL (> 16" HIGH)
- TA TOP OF ASPHALT
- TC TOP OF CURB
- FL FLOW LINE
- FF FINISHED FLOOR
- R/W RIGHT OF WAY
- PL PROPERTY LINE
- PP POWER POLE



GENERAL NOTES:

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

DETAIL A

EXTRUDED CONCRETE CURB NTS

GENERAL NOTES:

LEGAL: LOT 7, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

SURVEYOR: RONALD FORSTDAUER SURVEYING, ALBUQUERQUE, NEW MEXICO

B.M.: "SC 27 | 26 / 34 | 35" A STANDARD BLM BRASS CAP SET IN CONCRETE PROJECTING 10' ABOVE THE GROUND. CAP IS LOCATED APPROXIMATELY 350' NORTHWEST OF THE INTERSECTION OF SINGER AND MIDWAY PARK BLVDS. N.E. ELEVATION = 5,110.41

T.B.M.: 'X' ON TOP OF CURB AT THE EXTENSION OF LOTS 7/8 LOT LINE. ELEVATION = 5,107.23.

SCOPE:

THE SITE IS A DEVELOPED LOT LOCATED WITHIN THE JEFFERSON COMMONS SUBDIVISION. THE FINISHED GRADES FOR THIS PORTION DRAIN THE LOT TO THE SW CORNER.

PROPOSED ADDITIONAL IMPROVEMENTS FOR THE SITE INCLUDE A 3,450 SF SLAB-ON-GRADE BUILDING, REPLACING A PORTION OF EXISTING ASPHALT PARKING ALONG THE SOUTH SIDE OF THE ORIGINAL BUILDING. DRAINAGE WILL CONTINUE TO THE EXISTING OUTLET AT THE SW CORNER.

FREE DISCHARGE OF DEVELOPED FLOWS INTO THE AMAFCA SECONDARY INTERCEPTOR DITCH LOCATED WEST OF THE SITE IS ALLOWED AS ESTABLISHED BY THE MASTER DRAINAGE/GRADING PLAN FOR JEFFERSON COMMONS (APPROVED JANUARY 1990 AND REVISED AUGUST 1990). MOST OF THE SITE'S DEVELOPED FLOWS (60%) WILL CONTINUE TO DRAIN TO THE SOUTH PARKING AREA WHERE FLOWS WILL BE CONCENTRATED IN SHALLOW ASPHALT SWALES AND DISCHARGED INTO THE RUNDOWN LOCATED AT THE SOUTHWEST PROPERTY CORNER. A COBBLE-LINED SWALE PREVIOUSLY CONSTRUCTED ON THE NORTH PROPERTY LINE WILL CONTINUE TO CARRY THE REMAINDER OF THE SITE'S RUNOFF TO AN EXISTING RUNDOWN LOCATED AT THE NORTHWEST PROPERTY CORNER, BOTH RUNDOWNS PREVIOUSLY APPROVED BY AMAFCA AND CONSTRUCTED AS PART OF LOT 7 IMPROVEMENTS.
NO OFFSITE FLOWS AFFECT THE SITE.

CALCULATIONS:

AREA OF SITE: 21,734 SF = 0.50 ACRE

SOUTHWEST RUNDOWN:

AREA DRAINING TO NW = 13,089 SF = 0.30 ACRE

LOT 7 Q_{100} = C|A = 10.8|13.6|10.301 = 1.2 CFS
LOT 8 (PREVIOUSLY CALCULATED) Q_{100} = 1.6 CFS
FLOW CAPACITY - PER MANNING'S EQUATION WITH Q_{100} = 2.8 CFS, S = 3.2% (MIN), W = 48", AND N = 0.015, FLOW DEPTH = 0.1' [OK]

NORTHWEST RUNDOWN:

AREA DRAINING TO NW = 8,645 SF = 0.20 ACRE

LOT 7 Q_{100} = C|A = 10.8|13.6|10.0[illegible] = 0.8 CFS
LOT 8 (PREVIOUSLY CALCULATED) Q_{100} = 0.7 CFS
FLOW CAPACITY - PER MANNING'S EQUATION WITH Q_{100} = 1.5 CFS, S = 3.2% (MIN), W = 48", AND N = 0.015, FLOW DEPTH = 0.1' [OK]

RUNDOWN INLET CAPACITY (WORST CASE):

USING WEIR FORMULA, $Q_{100} = CLH^{3/2}$, WITH C = 2.68, L = 4' AND H = 0.5'

Q_{100} = 3.8 CFS RUNNING FULL > 1.6 CFS REQUIRED [OK]

JUN 5

REVISIONS

DESIGNED B.D.
DRAWN B.D.
CHECKED C.L.W.

C.L. WEISS ENGINEERING, INC.
POST OFFICE BOX 67 SANDIA PARK, N.M. 87047 - (505) 281-9800
1320 ALVARADO DR. NE ALBUQUERQUE, N.M. 87110 - (505) 255-5444

JEFFERSON COMMONS LOT 7 DRAINAGE / GRADING PLAN

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# 35 DATE 3-19-02 OP EGP

CITY OF ALBUQUERQUE

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The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (MS115-1977)

3/15/02
DIRECTOR

NOTARY PUBLIC
OFFICIAL SEAL
Roberta Duran
07/22/02

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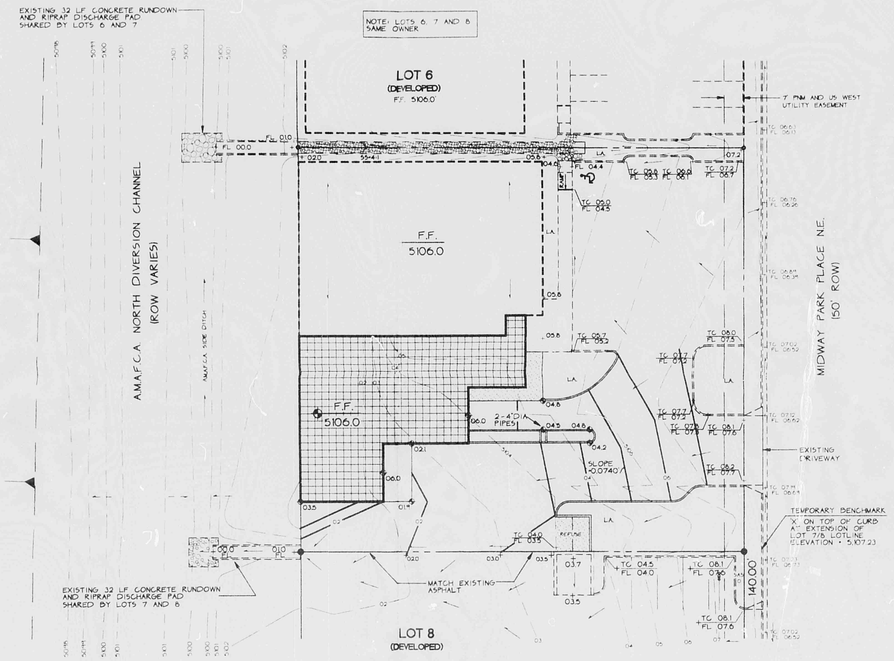
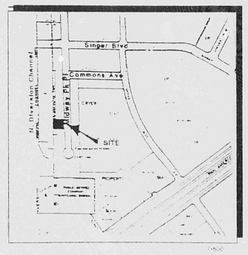


North

1" = 20'

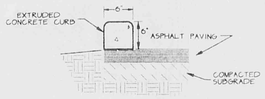


VICINITY MAP F-17

FLOOD HAZARD MAP

LEGEND

	SIDEWALK, CURB, AND GUTTER (EXISTING, PROPOSED)
	PROPOSED ASPHALT
	BUILDING (EXISTING, PROPOSED)
	PROPERTY LINE
x 55.7	EXISTING SPOT ELEVATION
20	EXISTING CONTOUR
75.2	PROPOSED SPOT ELEVATION
20	PROPOSED CONTOUR
	SURFACE FLOW DIRECTION (EXISTING, PROPOSED)
LA	LANDSCAPED AREA
TGW	TOP OF GRADE WALL (< 18" HIGH)
TRW	TOP OF RETAINING WALL (> 18" HIGH)
TA	TOP OF ASPHALT
TC	TOP OF CURB
FL	FLOW LINE
FF	FINISHED FLOOR
R/W	RIGHT OF WAY
PL	PROPERTY LINE
PP	POWER POLE



GENERAL NOTES

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

DETAIL A

EXTRUDED CONCRETE CURB NTS

GENERAL NOTES:

LEGAL: LOT 7, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

SURVEYOR: RONALD FORSTBAUER SURVEYING, ALBUQUERQUE, NEW MEXICO

B.M.: SC 27 | 25 / 34 | 35 — A STANDARD BLM BRASS CAP SET IN CONCRETE PROJECTING 10" ABOVE THE GROUND. CAP IS LOCATED APPROXIMATELY 350' NORTHWEST OF THE INTERSECTION OF SINGER AND MIDWAY PARK BLVDS. N.E. ELEVATION = 5,110.41

T.B.M.: X ON TOP OF CURB AT THE EXTENSION OF LOTS 7/8 LOT LINE. ELEVATION = 5,072.3

SCOPE:

THE SITE IS A DEVELOPED LOT LOCATED WITHIN THE JEFFERSON COMMONS SUBDIVISION. THE FINISHED GRADES FOR THIS PORTION DRAIN THE LOT TO THE SW CORNER.

PROPOSED ADDITIONAL IMPROVEMENTS FOR THE SITE INCLUDE A 3,450 SF SLAB-ON-GRADE BUILDING REPLACING A PORTION OF EXISTING ASPHALT PARKING ALONG THE SOUTH SIDE OF THE ORIGINAL BUILDING. DRAINAGE WILL CONTINUE TO THE EXISTING OUTLET AT THE SW CORNER.

FREE DISCHARGE OF DEVELOPED FLOWS INTO THE AMAFCA SECONDARY INTERCEPTOR DITCH LOCATED WEST OF THE SITE IS ALLOWED AS ESTABLISHED BY THE MAYSTAR DRAINAGE/GRADING PLAN FOR JEFFERSON COMMONS (APPROVED JANUARY 1990 AND REVISED AUGUST 1990). MOST OF THE SITE'S DEVELOPED FLOWS SHOULD WILL CONTINUE TO DRAIN TO THE SOUTH PARKING AREA WHERE FLOWS WILL BE CONCENTRATED IN SHALLOW ASPHALT SWALES AND DISCHARGED INTO THE RUNDOWN LOCATED AT THE SOUTHWEST PROPERTY CORNER. A COBBLE-LINED SWALE PREVIOUSLY CONSTRUCTED ON THE NORTH PROPERTY LINE WILL CONTINUE TO CARRY THE REMAINDER OF THE SITE'S RUNOFF TO AN EXISTING RUNDOWN LOCATED AT THE NORTHWEST PROPERTY CORNER. BOTH RUNDOWNS PREVIOUSLY APPROVED BY AMAFCA AND CONSTRUCTED AS PART OF LOT 7 IMPROVEMENTS.

NO OFFSITE FLOWS AFFECT THE SITE.

CALCULATIONS:

AREA OF SITE: 21,734 SF = 0.50 ACRE

SOUTHWEST RUNDOWN

AREA DRAINING TO NW = 13,684 SF = 0.30 ACRE

LOT 7 Q_{100} = C1A = (0.84)(4.5)(0.30) = 1.2 CFS
LOT 6 (PREVIOUSLY CALCULATED) Q_{100} = 1.6 CFS
FLOW CAPACITY - PER MANNING'S EQUATION WITH Q_{100} = 2.8 CFS, S = 3.22 (MIN.)
W = 48" AND N = 0.015, FLOW DEPTH = 0.1' OK

NORTHWEST RUNDOWN

AREA DRAINING TO NW = 8,645 SF = 0.20 ACRE

LOT 7 Q_{100} = C1A = (0.84)(4.5)(0.20) = 0.8 CFS
LOT 6 (PREVIOUSLY CALCULATED) Q_{100} = 0.7 CFS
FLOW CAPACITY - PER MANNING'S EQUATION WITH Q_{100} = 1.5 CFS, S = 3.22 (MIN.)
W = 48" AND N = 0.015, FLOW DEPTH = 0.1' OK

RUNDOWN INLET CAPACITY (WORST CASE)

USING WEIR FORMULA $Q_{100} = CLH^{3/2}$, WITH C = 2.68, L = 4' AND H = 0.5'
Q_{100} = 3.8 CFS RUNNING FULL > 1.6 CFS REQUIRED OK

REVISIONS

1-7-08	B.D.
4-14-08	B.D.
4-18-08	G.E.M.

C.L. WEISS ENGINEERING, INC.
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1800 ALVARADO DR. NE ALBUQUERQUE, N.M. 87110 (505) 266-3444

JEFFERSON COMMONS LOT 7
DRAINAGE / GRADING PLAN

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# 55 DATE 8-18-8 OF 2

CITY OF ALBUQUERQUE
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The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (MS18-1987)

DIRECTOR

NOTARY PUBLIC

07/08/08

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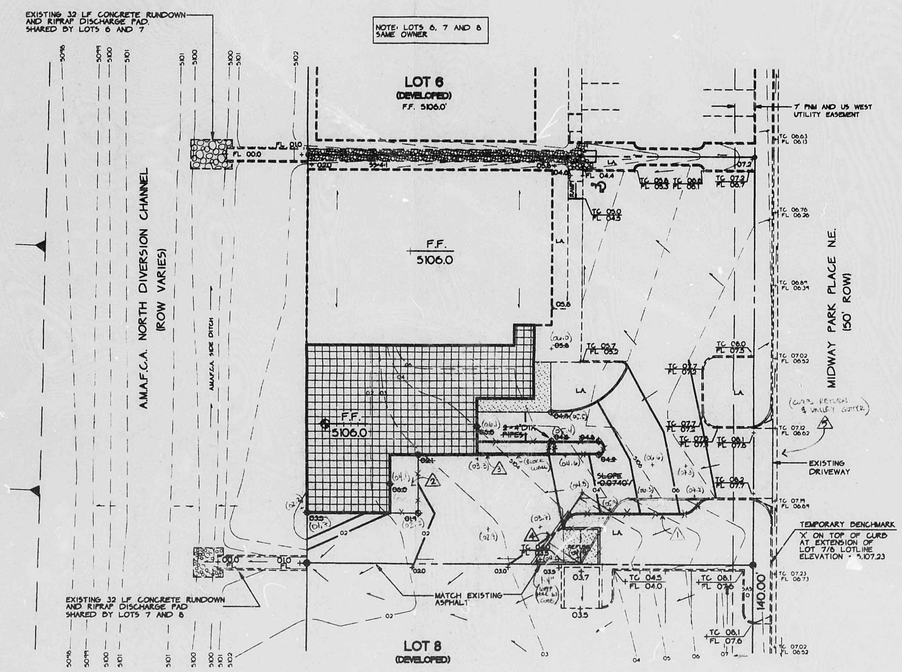
CITY OF ALBUQUERQUE C D

PUBLIC WORKS/HYDROLOGY

2 OF 2

F17/D61M



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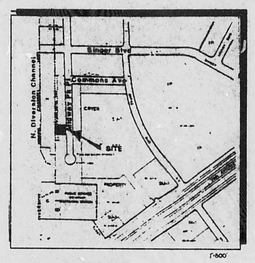
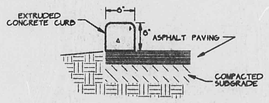


VICINITY MAP F-17

FLOOD HAZARD MAP

LEGEND

- SIDEWALK, CURB AND GUTTER (EXISTING, PROPOSED)
- PROPOSED ASPHALT
- BUILDING (EXISTING, PROPOSED)
- PROPERTY LINE
- x 65.7 — EXISTING SPOT ELEVATION
- 20 — EXISTING CONTOUR
- ⊕ 75.2 — PROPOSED SPOT ELEVATION
- 30 — PROPOSED CONTOUR
- SURFACE FLOW DIRECTION (EXISTING, PROPOSED)
- LA — LANDSCAPED AREA
- TGW — TOP OF GRADE WALL (< 18" HIGH)
- TRW — TOP OF RETAINING WALL (> 18" HIGH)
- TA — TOP OF ASPHALT
- TC — TOP OF CURB
- FL — FLOW LINE
- FF — FINISHED FLOOR
- R/W — RIGHT OF WAY
- PL — PROPERTY LINE
- PP — POWER POLE
- +(XX.X) — AS-BUILT INFORMATION



GENERAL NOTES:

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

DETAIL A

EXTRUDED CONCRETE CURB NTS

GENERAL NOTES:

LEGAL: LOT 7, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

SURVEYOR: RONALD FORSTBAUER SURVEYING, ALBUQUERQUE, NEW MEXICO

B.M.: SC 27 | 26 / 34 | 35 - A STANDARD BLM BRASS CAP SET IN CONCRETE PROJECTING 1.0' ABOVE THE GROUND. CAP IS LOCATED APPROXIMATELY 350' NORTHWEST OF THE INTERSECTION OF SINGER AND MIDWAY PARK BLVDS. N.E. ELEVATION = 5,110.41

T.B.M.: 'X' ON TOP OF CURB AT THE EXTENSION OF LOTS 7/8 LOT LINE. ELEVATION = 5,107.23.

SCOPE:

THE SITE IS A DEVELOPED LOT LOCATED WITHIN THE JEFFERSON COMMONS SUBDIVISION. THE FINISHED GRADES FOR THIS PORTION DRAIN THE LOT TO THE SW CORNER.

PROPOSED ADDITIONAL IMPROVEMENTS FOR THE SITE INCLUDE A 3,450 SF SLAB-ON-GRADE BUILDING, REPLACING A PORTION OF EXISTING ASPHALT PARKING ALONG THE SOUTH SIDE OF THE ORIGINAL BUILDING. DRAINAGE WILL CONTINUE TO THE EXISTING OUTLET AT THE SW CORNER.

FREE DISCHARGE OF DEVELOPED FLOWS INTO THE A.M.A.F.C.A. SECONDARY INTERCEPTOR DITCH LOCATED WEST OF THE SITE IS ALLOWED AS ESTABLISHED BY THE MASTER DRAINAGE/GRADING PLAN FOR JEFFERSON COMMONS (APPROVED JANUARY 1990 AND REVISED AUGUST 1990). MOST OF THE SITE'S DEVELOPED FLOWS (60%) WILL CONTINUE TO DRAIN TO THE SOUTH PARKING AREA WHERE FLOWS WILL BE CONCENTRATED IN SHALLOW ASPHALT SWALES AND DISCHARGED INTO THE RUNDOWN LOCATED AT THE SOUTHWEST PROPERTY CORNER. A COBBLE-LINED SWALE PREVIOUSLY CONSTRUCTED ON THE NORTH PROPERTY LINE WILL CONTINUE TO CARRY THE REMAINDER OF THE SITE'S RUNOFF TO AN EXISTING RUNDOWN LOCATED AT THE NORTHWEST PROPERTY CORNER, BOTH RUNDOWNS PREVIOUSLY APPROVED BY AMAFCA AND CONSTRUCTED AS PART OF LOT 7 IMPROVEMENTS.

CALCULATIONS:

AREA OF SITE: 21,734 SF = 0.50 ACRE

SOUTHWEST RUNDOWN:

AREA DRAINING TO NW = 13,089 SF = 0.30 ACRE

LOT 7 Q_{100} = C1A = (0.64)(4.6)(0.301) = 1.2 CFS
LOT 8 (PREVIOUSLY CALCULATED) Q_{100} = 1.6 CFS
FLOW CAPACITY - PER MANNING'S EQUATION WITH Q_{100} = 2.8 CFS, S = 3.2% (MIN.)
W = 48", AND N = 0.015, FLOW DEPTH = 0.15' OK

NORTHWEST RUNDOWN:

AREA DRAINING TO NW = 8,645 SF = 0.20 ACRE

LOT 7 Q_{100} = C1A = (0.64)(4.6)(0.079) = 0.8 CFS
LOT 6 (PREVIOUSLY CALCULATED) Q_{100} = 0.7 CFS
FLOW CAPACITY - PER MANNING'S EQUATION WITH Q_{100} = 1.5 CFS, S = 3.2% (MIN.)
W = 48", AND N = 0.015, FLOW DEPTH = 0.1' OK

RUNDOWN INLET CAPACITY (WORST CASE):

USING WEIR FORMULA, $Q_{100} = CLH^{3/2}$, WITH C = 2.68, L = 4' AND H = 0.5':
Q_{100} = 3.8 CFS RUNNING FULL > 1.6 CFS REQUIRED OK

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

1. Curb not constructed per plan.. Does not affect Drainage / Grading.
2. Dock not constructed. Does not affect Drainage / Grading.
3. Block wall constructed this area. Flows drain east around end of wall. Does not affect Drainage / Grading.
4. Refuse area not constructed per plan. 1-4" weephole provided at low point to release flows.
5. Existing driveway removed and replaced with curb returns and a valley gutter per C.O.A. standards. Does not affect Drainage / Grading.

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

Christopher L. Weiss, P.E. (N.M.P.E. #6653) Date: 11-8-96

As-Built Survey provided by Forstbauer Surveying Co. - Nov. 1996

REVISIONS

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) 281-1820
1200 ALVARADO DR. NE ALBUQUERQUE, N.M. 87110 - (505) 268-3444

JEFFERSON COMMONS LOT 7
DRAINAGE / GRADING PLAN

CHRISTOPHER L. WEISS NEW MEXICO 6653 REGISTERED PROFESSIONAL ENGINEER

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 3-19-02 OP. KBP

CITY OF ALBUQUERQUE
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The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (MS188-1977)
3/15/02
DIRECTOR

Roberta Duran
NOTARY PUBLIC
OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
07/03/02

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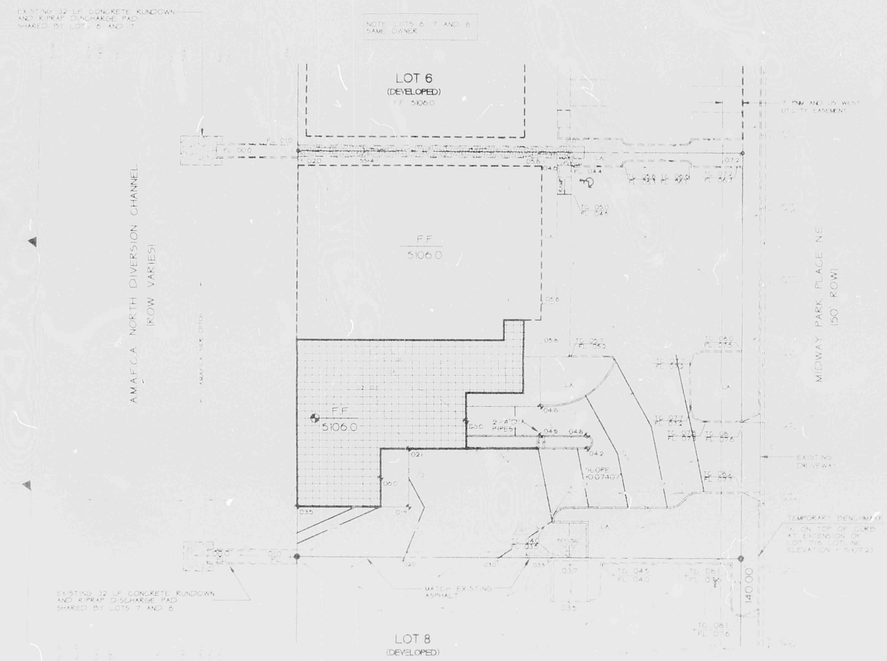
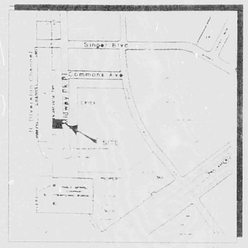


North

1" = 20'



VICINITY MAP F-17

FLOOD HAZARD MAP

LEGEND

- SIDEWALK, CURB AND GUTTER (EXISTING/PROPOSED)
- PROPOSED ASPHALT
- BUILDING (EXISTING/PROPOSED)
- PROPERTY LINE
- 5100 — EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- 5102 — PROPOSED SPOT ELEVATION
- PROPOSED CONTOUR
- SURFACE FLOW DIRECTION (EXISTING/PROPOSED)
- LANDSCAPED AREA
- TGW — TOP OF GRADE WALL (1.5' HIGH)
- TRW — TOP OF RETAINING WALL (1.5' HIGH)
- TA — TOP OF ASPHALT
- TC — TOP OF CURB
- FL — FLOW LINE
- FG — FINISHED FLOOR
- RW — RIGHT OF WAY
- PL — PROPERTY LINE
- PP — POWER POLE

GENERAL NOTES

DETAIL A

EXTRUDED CONCRETE CURB

GENERAL NOTES:

LEGAL: LOT 7, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

SURVEYOR: KONALD FORSTBAUER SURVEYING, ALBUQUERQUE, NEW MEXICO

B.M.: NE 27 | 26 / 34 | 35 — A STANDARD BLM BRASS CAP SET IN CONCRETE PROJECTING 1.5' ABOVE THE GROUND. CAP IS STAMPED "LS" APPROXIMATELY 150' NORTHWEST OF THE INTERSECTION OF MIDWAY PARK PLACE AND MIDWAY PARK PLACE NE. ELEVATION = 5,100.4

T.B.M.: X ON TOP OF CURB AT THE EXTENSION OF LOTS 7/8 LOT LINE. ELEVATION = 5,107.21

SCOPE:

THE SITE IS A DEVELOPED LOT LOCATED WITHIN THE JEFFERSON COMMONS SUBDIVISION. THE FINISHED GRADES FOR THIS PORTION DRAIN THE LOT TO THE SW CORNER.

PROPOSED ADDITIONAL IMPROVEMENTS FOR THE SITE INCLUDE A 3,450 SF CLASP ON GRADE BUILDING REPLACING A PORTION OF EXISTING ASPHALT PARKING ALONG THE SOUTH SIDE OF THE ORIGINAL BUILDING. DRAINAGE WILL CONTINUE TO THE EXISTING OUTLET AT THE SW CORNER.

FREE DISCHARGE OF DEVELOPED FLOWS INTO THE AMAFCA SECONDARY INTERCEPTOR DITCH LOCATED WEST OF THE SITE IS ALLOWED AS ESTABLISHED BY THE MASTER DRAINAGE/GRADING PLAN FOR JEFFERSON COMMONS (APPROVED JANUARY 1996 AND REVISED AUGUST 1996). MOST OF THE SOUTHWEST PARKING AREA WILL CONTINUE TO DRAIN TO THE SOUTH PARKING AREA WHERE FLOWS WILL BE CONCENTRATED IN SHALLOW ASPHALT SWALES AND DISCHARGED INTO A KIADOWN LOCATED IN THE SOUTHWEST PROPERTY CORNER. A COBBLE LINED SWALE PREVIOUSLY CONSTRUCTED ON THE NORTH PROPERTY LINE CONTINUE TO CARRY THE REMAINDER OF THE RUNOFF TO AN EXISTING KIADOWN LOCATED AT THE NORTHWEST PROPERTY CORNER. BOTH KIADOWNS PREVIOUSLY APPROVED BY AMAFCA AND CONSTRUCTED AS PART OF LOT 5 IMPROVEMENTS.

NO OFFSITE FLOWS AFFECT THE SITE.

CALCULATIONS:

AREA OF SITE: 21,734 SF = 0.50 ACRE

SOUTHEAST KIADOWN:

AREA DRAINING TO NW = 13,048 SF = 0.30 ACRE

LOT 7: $Q = C \cdot i \cdot A = (0.84)(4.5)(0.30) = 1.2$ CFS

LOT 6: (PREVIOUSLY CALCULATED) $Q = 0.75$ CFS

FLOW CAPACITY = PER MANNING'S EQUATION WITH $Q = 2.8$ CFS, $S = 1.25$ MIN, $W = 48'$ AND $N = 0.05$, FLOW DEPTH = 0.05' OK

NORTHWEST KIADOWN:

AREA DRAINING TO NW = 8,685 SF = 0.20 ACRE

LOT 7: $Q = C \cdot i \cdot A = (0.84)(4.5)(0.20) = 0.8$ CFS

LOT 5: (PREVIOUSLY CALCULATED) $Q = 0.7$ CFS

FLOW CAPACITY = PER MANNING'S EQUATION WITH $Q = 1.5$ CFS, $S = 1.25$ MIN, $W = 48'$ AND $N = 0.05$, FLOW DEPTH = 0.7' OK

KIADOWN INLET CAPACITY (WORST CASE):

USING WEIR FORMULA: $Q_{100} = C(L)(H^{3/2})$ WITH $C = 2.68$, $L = 4'$ AND $H = 0.5'$

$Q_{100} = 3.6$ CFS KIADOWN FULL > 1.6 CFS REQUIRED OK

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

1. Curb not constructed per plan. Does not affect Drainage / Grading.
2. Dock not constructed. Does not affect Drainage / Grading.
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4. Refuse area not constructed per plan. 1.4" weephole provided at low point to release flows.
5. Existing driveway removed and replaced with curb returns and a valley gutter per c.o.a. standards. Does not affect Drainage / Grading.

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

Christopher L. Weiss, P.E. (N.M.P.E. 8663) — Date

As-Built Survey provided by Forstbauer Surveying Co. - Nov. 1996

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POST OFFICE BOX 37 SANDIA PARK, N.M. 87047 - (505) 281-1800
1100 ALVARADO DR. NE ALBUQUERQUE, N.M. 87110 - (505) 266-3444

REVISIONS

JEFFERSON COMMONS LOT 7
DRAINAGE / GRADING PLAN

SHEET OF

PLAN SHOT TWICE
ONCE ON LIGHT
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FS 35 DATE 01/03/03 OP 67

CITY OF ALBUQUERQUE

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DIRECTOR

NOTARY PUBLIC

01/03/03

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