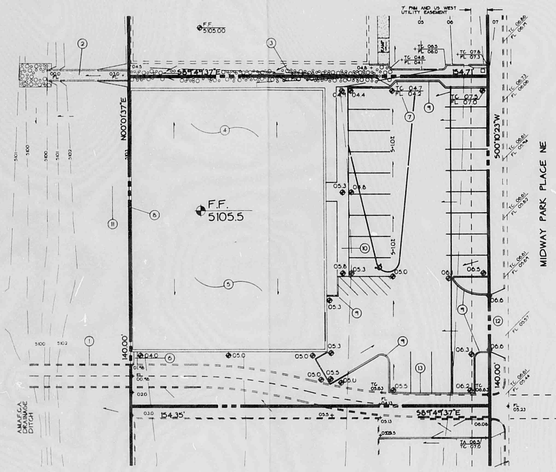
PUBLIC WORKS/HYDROLOGY 1 OF 3

F17/D61S


F.F. 5105.00
F.F. 5105.5
S00°01'23"W
N00°01'23"E
154.35'
S87°47'37"E
154.35'
MIDWAY PARK PLACE NE
AMAFCA SECONDARY DITCH
5' PUBLIC AND US WEST UTILITY EASEMENT
TA 5104.7
TC 5105.4
TA 5104.7
TC 5105.0
TA 5104.7
TC 5105.0
TA 5104.7
TC 5105.0



North

1" = 20'

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

NAME DATE

LEGEND

	SIDEWALK, CURB AND GUTTER: EXISTING, PROPOSED	LA	LANDSCAPED AREA
	PROPOSED ASPHALT	TRW	TOP OF GRADE WALL
	BUILDING: EXISTING, PROPOSED	TRW	TOP OF RETAINING WALL
	PROPERTY LINE	TA	TOP OF ASPHALT
5105	EXISTING SPOT ELEVATION	TC	TOP OF CURB
	EXISTING CONTOUR	FL	FLOW LINE
5104	PROPOSED SPOT ELEVATION	FF	FINISHED FLOOR
	PROPOSED CONTOUR	ROW	RIGHT OF WAY
	SURFACE FLOW DIRECTION: EXISTING, PROPOSED	PL	PROPERTY LINE
		PP	POWER POLE

GENERAL NOTES:

LEGAL: LOT 9, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

SURVEYOR: RONALD KORTEMEIER SURVEYING, ALBUQUERQUE, NEW MEXICO

POB: 27.29' S & STANDARD P.K.N. NAIL CAP SET IN CONCRETE PROJECTION ABOVE THE GROUND. CAP IS LOCATED APPROXIMATELY 310' NORTHWEST OF THE INTERSECTION OF 76TH ST. AND MIDWAY PARK BLVD. NE. ELEVATION = 5104.81

TOB: TOP OF CURB AT EXTENSION OF LOT'S 7& LOT LINE. ELEVATION = 5105.2

SCOPE:

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

THE PROPOSED IMPROVEMENTS FOR THE SITE INCLUDE A 4,500 SF SLAB ON GRADE BUILDING, ASPHALT PAVED PARKING AREAS AND ASSOCIATED WALKS AND LANDSCAPED AREAS.

DEVELOPED FLOWS FOR THE SITE WILL DISCHARGE INTO THE A.M.A.F.C.A. SECONDARY INTERCEPTOR DITCH IN TWO ROUTES. RUNOFF FROM 1/2 OF THE ROOF, NORTH LA, AND THE PARKING AREA WILL DRAIN TO THE EXISTING CURB LINED V-DITCH LOCATED ON THE NORTH PROPERTY LINE. THESE FLOWS WILL CONTINUE WEST ALONG THE V-DITCH TO AN APPROVED INLET. THE SOUTH HALF OF THE ROOF WILL DRAIN INTO AN EXISTING CONCRETE CHANNEL THROUGH A DETENTION POND IN THE SOUTH PORTION OF THE SITE. SOUTH LA WILL BE GRADED TO PROVIDE POSITIVE DRAINAGE TOWARD THE CONCRETE CHANNEL AND IT WILL MATCH THE TOP OF THE CHANNEL. RIP-RAP WILL BE PLACED AT DRAINAGE TO ENTER AS SHEET FLOW. THE CHANNEL HAS ADEQUATE CAPACITY PER THE MASTER DRAINAGE PLAN.

CALCULATIONS:

AREA OF SITE = 24,500 SF = 0.5 AC

A1 AREA DRAINING TO NORTHWEST CORNER = 0.33 AC

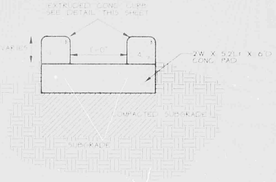
A2 AREA DRAINING TO SOUTHWEST CORNER = 0.17 AC

NORTHWEST A.M.A.F.C.A. FLOWS:

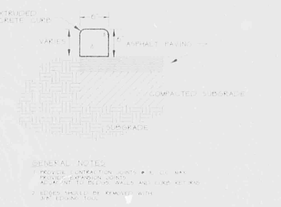
Q = 1.0(A1)+2.03(A2) = 0.33 CFS FROM LOT 9

Q = 1.0(A1)+2.03(A2) = 0.68 CFS FROM LOT 8

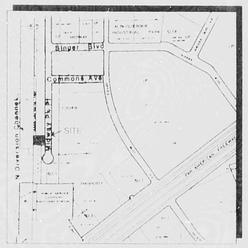
FLOW CAPACITY PER MANNING EQUATION WITH S = 4.1% CF CHANNEL SIZE MIN. WIDE AND MAXIMUM FLOW DEPTH = 0.5' OK



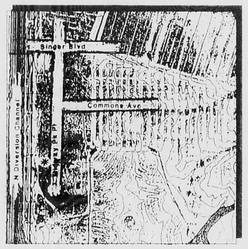
CONCRETE RUNDOWN



EXTRUDED CONCRETE CURB



VICINITY MAP F-17



FLOOD HAZARD MAP

KEYED NOTES

EXISTING 5' WIDE CONC. PAN-PAN CHANNEL CONSTRUCTED AS PART OF TOTAL SITE DEVELOPMENT PLAN.

EXISTING RECTANGULAR CONC. CHANNEL CONSTRUCTED AS PART OF TOTAL SITE DEVELOPMENT FOR LOTS 8/9 SHARED USE.

EXISTING TRIPLE 6'X2' CONC. BOX CULVERT CONSTRUCTED AS PART OF TOTAL SITE DEVELOPMENT FOR LOTS 8/9 SHARED USE.

NORTH HALF OF ROOF WILL DISCHARGE FLOWS INTO EXISTING TRIPLE 6'X2' BOX CULVERT. PROVIDE PRECAST CONCRETE SPLASH PAD AT ROOF DRAIN OUTLET FOR EROSION PROTECTION.

SOUTH HALF OF ROOF WILL DISCHARGE FLOWS INTO CONCRETE POND AS SHOWN.

CONSTRUCT V-SHAPED CONCRETE RUNDOWN TO CARRY FLOWS FROM EXISTING CONCRETE CHANNEL. SEE DETAIL THIS SHEET. REMOVE PORTION OF EXISTING CHANNEL AS REQUIRED.

PROVIDE 4" THICK COMPACTED 3/4" MINUS ROCK MULCH AT EXPOSED AREAS OF EXISTING RIP-RAP AT CONCRETE CHANNEL.

CONSTRUCT EXTENDED CURB WALL. THIS AREA MAY BE SUBJECT TO MINOR SHEET FLOW. REMOVAL OF EXISTING RIP-RAP AS REQUIRED FOR CONSTRUCTION. SEE DETAIL THIS SHEET.

CONSTRUCT 6" EXTENDED CURB. SEE DETAIL THIS SHEET.

CONSTRUCT TURN DOWN CURB WALL. THIS AREA MAY BE SUBJECT TO MINOR SHEET FLOW. SEE DETAIL THIS SHEET.

NATIVE REVEGETATION AS SPECIFIED. SEE LANDSCAPE PLAN FOR SPECIFICATIONS. REMOVE ALL NATIVE GRASS, WEEDS, ETC. AS REQUIRED. NOTE: *

CONSTRUCT 24' WIDE CONCRETE DRIVE PAD. SEE DETAIL THIS SHEET.

CONSTRUCT 6" EXTENDED CURB WALL. THIS AREA MAY BE SUBJECT TO MINOR SHEET FLOW.

REVISIONS		
	INITIAL	C.L.W.
	DATE	11-29-11
	DRAWN	C.L.W.
	CHECKED	C.L.W.

C.L. WEISS ENGINEERING, INC.
POST OFFICE BOX 97 SANDIA PARK, N.M. 87047 - (505) 281-1800
1100 ALVARADO DR. NE ALBUQUERQUE, N.M. 87110 - (505) 266-3444

Jefferson Commons Industrial Park
Lot 9

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 3-19-12 OP 27

CITY OF ALBUQUERQUE

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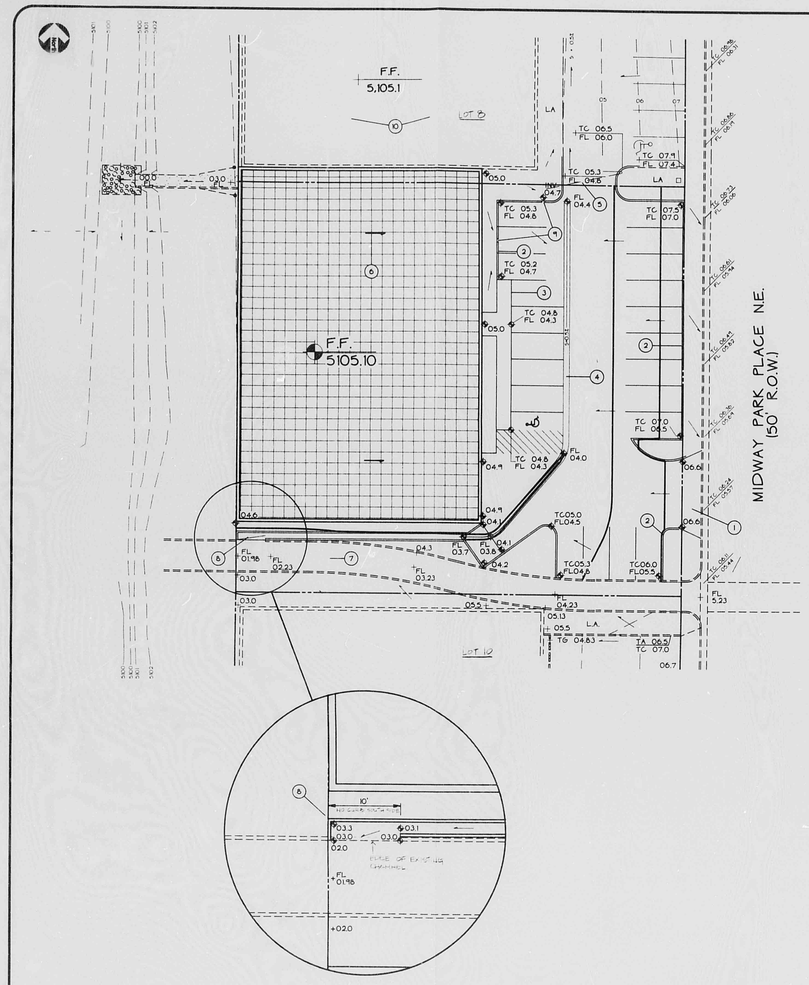
4/5/12
DIRECTOR

Roberta Duran
NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
07/07/12 /mf

D 24 C 20 B 16 A 12

CITY OF ALBUQERQUE C D



GENERAL NOTES:

LEGAL: LOT 9, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

AREA OF SITE: 0.4967 AC.

SURVEYOR: RONALD FORSTBAUER 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 EXTENSION OF LOTS 7/8 LOT LINE. ELEVATION = 5,107.23.

SCOPE:

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

THE PROPOSED IMPROVEMENTS FOR THE SITE INCLUDE AN ADDITION OF 10,274 SF SLAB-ON-GRADE BUILDING, ASPHALT-PAVED PARKING AREAS AND ASSOCIATED WALKS AND LANDSCAPED AREAS.

DEVELOPED FLOWS FOR THE SITE WILL DISCHARGE INTO THE SOUTH CONCRETE DRAINAGE CHANNEL BY MEANS OF A CONCRETE VALLEY GUTTER SLOPING AT 0.005'/'. THESE FLOWS WILL CONTINUE INTO AN EXISTING A.M.A.F.C.A. SECONDARY INTERCEPTOR DITCH.

CALCULATIONS:

AREA OF SITE: 0.4967 AC.

Q100 AT DISCHARGE POINT (MASTER PLAN, DEVELOPED, AREA B)

Q_{100} = 10.81(4.65)(0.4967) = 1.87 CFS

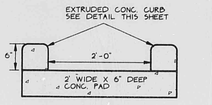
Q100 AT DISCHARGE POINT (MASTER PLAN, UNDEVELOPED, AREA B)

Q_{100} = 10.401(4.65)(0.4967) = 0.92 CFS

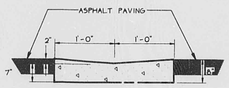
OFFSITE FLOWS EFFECTING SITE: NONE

FLOW CAPACITY OF 2' WIDE CONCRETE RUN DOWN:

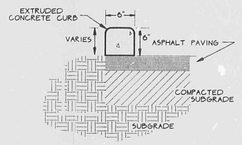
PER MANNING'S EQUATION, A 2'-WIDE RECTANGULAR CHANNEL WITH N=0.015, S=1.02 AND Q = 1.87 CFS FLOWS AT A DEPTH OF 0.27' OK



CONCRETE RUN DOWN
NTS



CONCRETE VALLEY GUTTER
NTS



GENERAL NOTES
1. PROVIDE CONTRACT JOINTS @ 10' O.C. MAX. PROVIDE EXPANSION JOINTS ADJACENT TO BLDGS., WALLS AND CURB RETURNS
2. EDGES SHOULD BE REMOVED WITH 3/4" EDGING TOOL

EXTRUDED CONCRETE CURB
NTS

LEGEND

	SIDEWALK, CURB AND GUTTER (EXISTING, PROPOSED)	LA	LANDSCAPED AREA
	PROPOSED ASPHALT PAVING	TGW	TOP OF GRADE WALL (< 18" HIGH)
		TRW	TOP OF RETAINING WALL (> 18" HIGH)
	BUILDING (EXISTING, PROPOSED)	TA	TOP OF ASPHALT
	PROPERTY LINE	TC	TOP OF CURB
x 65.7	EXISTING SPOT ELEVATION	FL	FLOW LINE
20	EXISTING CONTOUR	FF	FINISHED FLOOR
75.2	PROPOSED SPOT ELEVATION	R/W	RIGHT OF WAY
20	PROPOSED CONTOUR	PL	PROPERTY LINE
	SURFACE FLOW DIRECTION (EXISTING, PROPOSED)	PP	POWER POLE
		▲	ENTRY / EXIT LOCATION

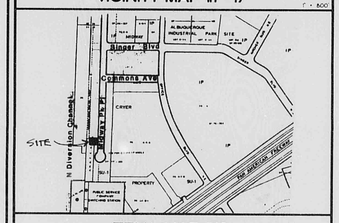
KEYNOTES

1. CONSTRUCT 24' WIDE DRIVEWAY ENTRANCE AS SHOWN. PROVIDE SMOOTH RIDING TRANSITION. PROVIDE DEPRESSED CURB FOR SIDEWALK RAMP. SEE C.O.A. STD. DWG. 2525
2. CONSTRUCT 6" EXTRUDED CONCRETE CURB AND GUTTER (TYP.) EXCEPT WHERE NOTED.
3. CONSTRUCT TURNED DOWN WALK THIS AREA.
4. CONSTRUCT 2' DEEP X 2' WIDE CONCRETE VALLEY GUTTER AT SLOPES SHOWN.
5. PROVIDE SMOOTH RIDING TRANSITION BETWEEN EXISTING AND PROPOSED ASPHALT PAVING.
6. ROOF TO DRAIN THROU DOWNSPOUTS.
7. EXISTING 10' WIDE X 1' DEEP CONC. CHANNEL.
8. WARP VALLEY GUTTER OVER 10' WIDTH TO ACCESS MAIN CHANNEL THIS AREA.
9. PROVIDE 1' OPENING IN CURB TO ALLOW FLOWS TO PASS.
10. ROOF FLOWS FROM EXISTING BUILDING WILL BE COLLECTED IN A GUTTER SYSTEM AND CARRIED WEST TO THE EXISTING RUNDOWN.

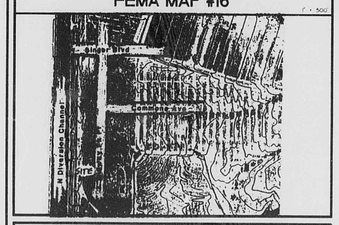
General Note:
The construction proposed for Jeffrson Commons Lot 9 is an extension of the existing building on Lot 8. Same owner both lots.

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%.

VICINITY MAP #F-17



FEMA MAP #16



C.L. WEISS ENGINEERING, INC.
SANDIA PARK OFFICE
POST OFFICE BOX 97
SANDIA PARK, NM. 87047
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100 ALVARADO DR. NE.
ALBUQUERQUE, NM 87180
(505) 266-3444

Revisions

MAR - 1
HYDROLOGY

Scale	Drawn By	Checked By	Job Number	Date
1" = 20'	B.W.B.	C.L.W.		JANUARY 1995

LOT 9
JEFFERSON COMMONS
(ADDITION TO LOT 8 EXISTING BUILDING)

Drainage and Grading Plan

C-1
SH. 1 OF 1

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

CITY OF ALBUQUERQUE
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R# 25 DATE 3/7/02 OP EJR

CITY OF ALBUQUERQUE

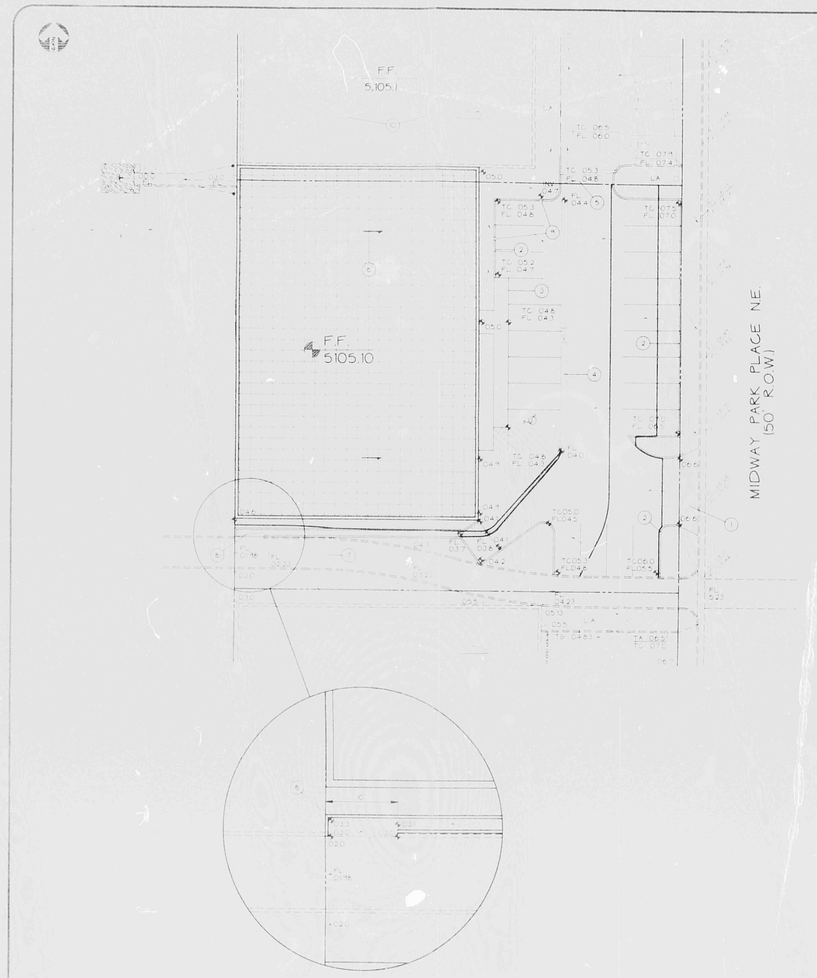
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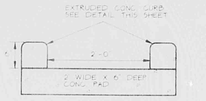
3/7/02
DIRECTOR

Roberta Duran
NOTARY PUBLIC
OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
07/23/02

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



LEGEND



CONCRETE RUN DOWN



CONCRETE VALLEY GUTTER



EXTRUDED CONCRETE CURB

GENERAL NOTES:

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

AREA OF SITE: 0.4967 AC.

SURVEYOR: RONALD FORSTBAUER SURVEYING, ALBUQUERQUE, NEW MEXICO

B.M.: "SC 27 | 26 | 34 | 35" A STANDARD BLM BRASS CAP SET IN CONCRETE PROJECTING 10" ABOVE THE GROUND. CA" IS LOCATED APPROXIMATELY 350' NORTHWEST OF THE INTERSECTION OF SUNDER AND MIDWAY PARK BLVDS. N.E. ELEVATION = 5110.41

T.B.M.: X ON TOP OF CURB AT EXTENSION OF LOTS 7/8 LOT LINE. ELEVATION = 5,107.23

SCOPE:

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

THE PROPOSED IMPROVEMENTS FOR THE SITE INCLUDE AN ADDITION OF 10,274 SF SLAB-ON-GRADE BUILDING, ASPHALT-PAVED PARKING AREAS, AND ASSOCIATED WALKS AND LANDSCAPED AREAS.

DEVELOPED FLOWS FOR THE SITE WILL DISCHARGE INTO THE SOUTH CONCRETE DRAINAGE CHANNEL BY MEANS OF A CONCRETE VALLEY GUTTER SLOPING AT 0.005. THESE FLOWS WILL CONTINUE INTO AN EXISTING AMAFCA SECONDARY INTERCEPTOR DITCH.

CALCULATIONS:

AREA OF SITE: 0.4967 AC.

Q_{100} AT DISCHARGE POINT MASTER PLAN, DEVELOPED, AREA B:

Q_{100} = 10.81(.46)(0.4967) = 1.87 CFS

Q_{100} AT DISCHARGE POINT MASTER PLAN, UNDEVELOPED, AREA B:

Q_{100} = 10.40(.65)(0.4967) = 0.72 CFS

OFFSITE FLOWS EFFECTING SITE: NONE

FLOW CAPACITY OF 2' WIDE CONCRETE RUN DOWN:

PER MANNING'S EQUATION, A 2'-WIDE RECTANGULAR CHANNEL WITH N=0.015, S=0.03 AND Q = 1.87 CFS FLOWS AT A DEPTH OF 0.27' OK

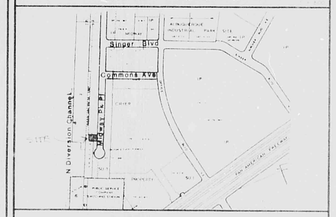
KEYNOTES

1. CONSTRUCT 24' WIDE DRIVEWAY ENTRANCE AS SHOWN. PROVIDE SMOOTH RIDING TRANSITION. PROVIDE DEPRESSED CURB FOR SIDEWALK RAMP. SEE C.O.A. STD. DWG. 2425.
2. CONSTRUCT 6" EXTRUDED CONCRETE CURB AND GUTTER (TYP.) EXCEPT WHERE NOTED.
3. CONSTRUCT TURNED DOWN WALK THIS AREA.
4. CONSTRUCT 2' DEEP X 2' WIDE CONCRETE VALLEY GUTTER AT SLOPES SHOWN.
5. PROVIDE SMOOTH RIDING TRANSITION BETWEEN EXISTING AND PROPOSED ASPHALT PAVING.
6. ROOF TO DRAIN THROU DOWNSPOUTS.
7. EXISTING 10' WIDE X 1' DEEP CONC. CHANNEL.
8. WARP VALLEY GUTTER OVER 10' WIDTH TO ACCESS MAIN CHANNEL THIS AREA.
9. PROVIDE 1' OPENING IN CURB TO ALLOW FLOWS TO PASS.
10. ROOF FLOWS FROM EXISTING BUILDING WILL BE COLLECTED IN A GUTTER SYSTEM AND CARRIED WEST TO THE EXISTING RUNDOWN.

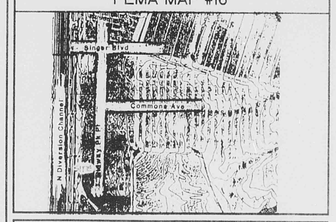
General Note:
The construction proposed for Jefferson Commons Lot 9 is an extension of the existing building on Lot 8. Same owner both lots.

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%.

VICINITY MAP #F-17



FEMA MAP #16



C.L. WEISS ENGINEERING, INC

SANDIA PARK OFFICE

ALVARADO OFFICE

LOT 9
JEFFERSON COMMONS

Scale	Drawn By	Checked By	Job Number	Date
1" = 20'	R.J.B.	C.L.W.		JANUARY 1998

Drainage and Grading Plan

C-1
SH. 1 OF 1

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

CITY OF ALBUQUERQUE
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R# 15 DATE 3-17-02 OP E??

CITY OF ALBUQUERQUE

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DIRECTOR

NOTARY PUBLIC

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

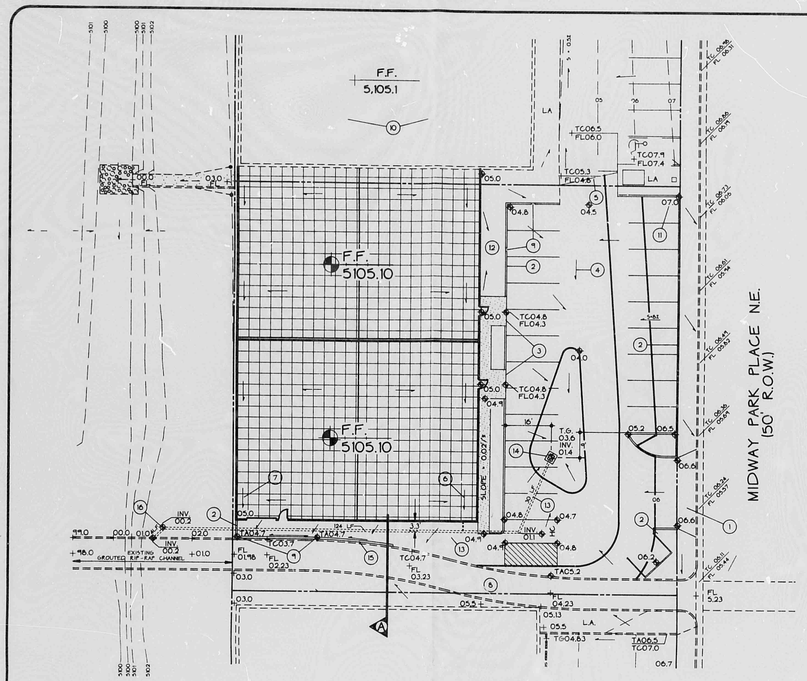
D24 C20 B16 A12

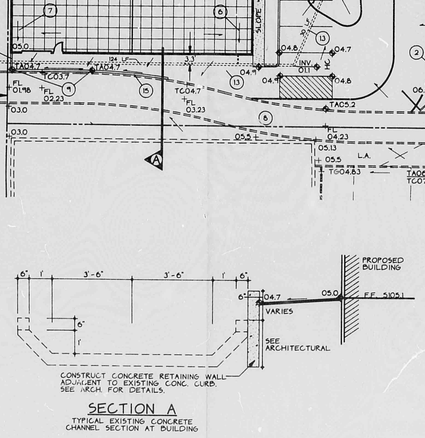
CITY OF ALBUQERQUE C D

PUBLIC WORKS/HYDROLOGY

2 OF 3

F17/D61S





SECTION A
TYPICAL EXISTING CONCRETE CHANNEL SECTION AT BUILDING

General Note:
The construction proposed for Jefferson Commons Lot 9 is an extension of the existing building on Lot 8. Same Owner both lots.

GENERAL NOTES:

LEGAL: LOT 25, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

AREA OF SITE: 0.4967 AC.

SURVEYOR: RONALD FORSTBAUER 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 EXTENSION OF LOTS 7/8 LOT LINE. ELEVATION = 5,107.23.

SCOPE:

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

THE PROPOSED IMPROVEMENTS FOR THE SITE INCLUDE AN ADDITION OF 10,274 SF SLAB-ON-GRADE BUILDING, ASPHALT-PAVED PARKING AREAS AND ASSOCIATED WALKS AND LANDSCAPED AREAS.

DEVELOPED FLOWS FOR THE SITE WILL DISCHARGE INTO THE SOUTH CONCRETE DRAINAGE CHANNEL BY MEANS OF A CONCRETE VALLEY GUTTER SLOPING AT 0.005'/'. THESE FLOWS WILL CONTINUE INTO AN EXISTING AMAFCA SECONDARY INTERCEPTOR DITCH.

CALCULATIONS:

AREA OF SITE: 0.4967AC.

Q100 AT DISCHARGE POINT (MASTER PLAN, DEVELOPED, AREA B)

Q_{100} = 10.81(4.65)(0.4967) = 1.87 CFS

TO CONC. CHANNEL: Q_{100} = 10.81(4.65)(0.12) = 0.45 CFS

TO PIPE INLET: Q_{100} = 10.81(4.65)(0.34) = 1.28 CFS

Q100 AT DISCHARGE POINT (MASTER PLAN, UNDEVELOPED, AREA B)

Q_{100} = 10.40(4.65)(0.4967) = 0.92 CFS

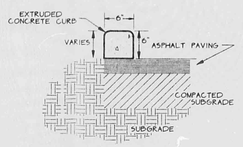
OFF SITE FLOWS EFFECTING SITE:NONE

FLOW CAPACITY OF AN 8" DIAMETER PIPE:

USING THE ORIFICE EQUATION $Q = C \cdot A \cdot m \cdot (2gH)^{0.5}$
WHERE: C = 0.6
A = 0.35
g = 32.2
H = 0.67
THEN: Q = 1.4 CFS (1.28 REQUIRED) OK

LEGEND

SIDEWALK, CURB AND GUTTER (EXISTING, PROPOSED)	LA LANDSCAPED AREA
PROPOSED ASPHALT PAVING	TGW TOP OF GRADE WALL (< 18" HIGH)
BUILDING (EXISTING, PROPOSED)	TRW TOP OF RETAINING WALL (> 18" HIGH)
PROPERTY LINE	TA TOP OF ASPHALT
x 65.7 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
	▲ ENTRY / EXIT LOCATION



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

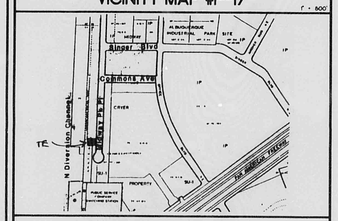
EXTRUDED CONCRETE CURB
NTS

KEYNOTES

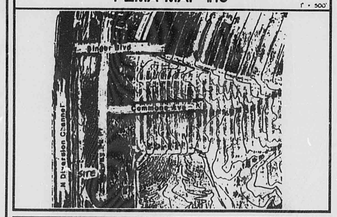
1. CONSTRUCT 24' WIDE DRIVEWAY ENTRANCE AS SHOWN. PROVIDE SMOOTH RIDING TRANSITION. PROVIDE DEPRESSED CURB FOR SIDEWALK RAMP. SEE C.O.A. STD. DWG. 2425
2. CONSTRUCT 6" EXTRUDED CONCRETE CURB (TYP.) EXCEPT WHERE NOTED.
3. CONSTRUCT TURNED DOWN WALK THIS AREA.
4. CONSTRUCT ASPHALT SWALE (SLOPE = .02)
5. PROVIDE SMOOTH RIDING TRANSITION BETWEEN EXISTING AND PROPOSED ASPHALT PAVING.
6. EAST HALF OF ROOF TO DRAIN BELOW GRADE TO 8" STORM DRAIN. SEE ARCH. FOR DETAILS.
7. WEST HALF OF ROOF FLOW TO BE ROUTED DIRECTLY INTO CONCRETE CHANNEL. PROVIDE 5.0' OPENING IN CURB FOR FLOWS TO ACCESS.
8. EXISTING 10' WIDE X 1' DEEP CONC. CHANNEL.
9. PROVIDE 1' OPENINGS IN CURB/RETAINING WALL FOR FLOWS TO PASS.
10. ROOF FLOWS FROM EXISTING BUILDING WILL BE COLLECTED IN A GUTTER SYSTEM AND CARRIED WEST TO THE EXISTING RUNDOWN.
11. ALL SPOTS SHOWN WITHIN PAVING AREA REPRESENT TOP OF ASPHALT INFORMATION. ADD 0.5' TO OBTAIN TOP OF CURB DATA.
12. GRADE LANDSCAPED AREA TO DRAIN TO CURB OPENINGS AT A MINIMUM SLOPE OF 1.0%.
13. 8" DIA. PVC PIPE. MIN. COVER = 1.5'. 1-67.5° BEND AS SHOWN
14. SINGLE TYPE 'D' INLET WITH STD. ALBUQUERQUE GRATE. SEE C.O.A. STD. DWGS. 2206 AND 2220.
15. CONSTRUCT CONCRETE GUARD CURB ADJACENT TO EXISTING CHANNEL CURB. SEE DETAIL THIS SHEET.
16. PROVIDE A 45° BEND AT PIPE OUTLET TO ACCESS EXISTING RIP-RAP PAD FOR EROSION PROTECTION.

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 .01.

VICINITY MAP #F-17
1" = 800'



FEMA MAP #16
1" = 500'



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Revisions
6-9-95

LOT 9
JEFFERSON COMMONS
(ADDITION TO EXISTING BLDG. LOT 8)

Scale	Drawn By	Checked By	Job Number	Date
1" = 20'	BJB	CLW		JUNE 1995

Drainage and Grading Plan

C-1
SH. 1 OF 1

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

CITY OF ALBUQUERQUE
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R# 25 DATE 3-19-02 OP KJP

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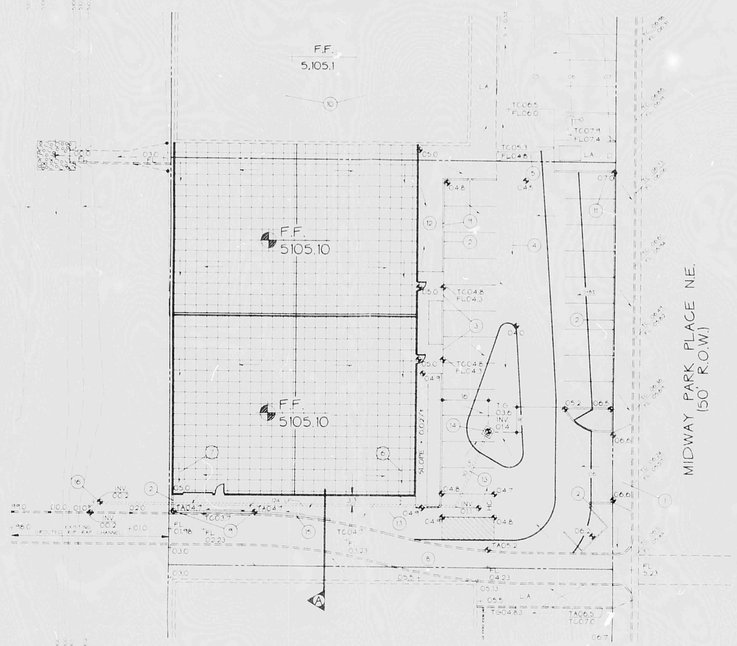
11/5/02
DIRECTOR

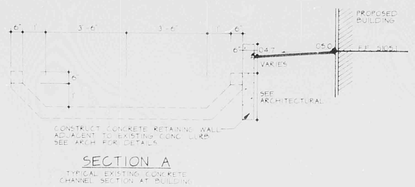
NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
07/01/02

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SECTION A
TYPICAL EXISTING CONCRETE CHANNEL SECTION AT PUEBLO

General Note:
The construction proposed for Jefferson Commons Lot 9 is an extension of the existing building on Lot 8. Same Owner both lots.

GENERAL NOTES:

LEGAL: LOT 29, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

AREA OF SITE: 0.4967 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 LOCATED APPROXIMATELY 350' NORTHWEST OF THE INTERSECTION OF SUNDER AND MIDWAY PARK BLVDS., NE. ELEVATION = 5,110.41

T.B.M.: X ON TOP OF CURB AT EXTENSION OF LOTS 7/8 LOT LINE. ELEVATION = 5,107.53

SCOPE:

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

THE PROPOSED IMPROVEMENTS FOR THE SITE INCLUDE AN ADDITION OF 10,274 SF SLAB-ON-GRADE BUILDING, ASPHALT PAVED PARKING AREAS AND ASSOCIATED WALKS AND LANDSCAPED AREAS.

DEVELOPED FLOWS FOR THE SITE WILL DISCHARGE INTO THE SOUTH CONCRETE DRAINAGE CHANNEL BY MEANS OF A CONCRETE VALLEY GUTTER SLOPING AT 0.005'. THESE FLOWS WILL CONTINUE INTO AN EXISTING AMAFCA SECONDARY INTERCEPTOR DITCH.

CALCULATIONS:

AREA OF SITE: 0.4967AC

Q_{100} AT DISCHARGE POINT (MASTER PLAN, DEVELOPED) AREA B:

Q_{100} = 10.8(4.65)0.4967) + 1.67 CFS

TO CONC. CHANNEL Q_{100} = 10.8(4.65)0.12) + 0.45 CFS

TO PIPE INLET Q_{100} = 10.8(4.65)0.34) + 1.28 CFS

Q_{100} AT DISCHARGE POINT (MASTER PLAN, UNDEVELOPED) AREA B:

Q_{100} = 10.40(4.65)0.4967) + 0.92 CFS

OFF SITE FLOWS EFFECTING SITE:NONE

FLOW CAPACITY OF AN 8" DIAMETER PIPE:

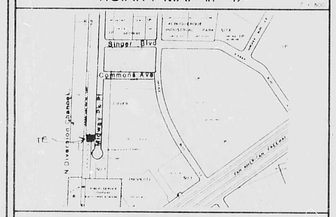
USING THE ORIFICE EQUATION: Q = CA(2GH)0.5
WHERE: C = 0.6
A = 0.35
G = 32.2
H = 1.67
THEN: Q = 1.4 CFS (1.28 REQUIRED) OK

KEYNOTES

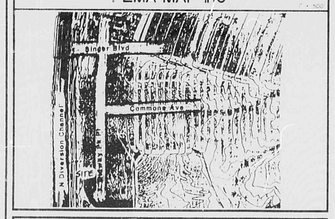
1. CONSTRUCT 24' WIDE DRIVEWAY ENTRANCE AS SHOWN. PROVIDE SMOOTH RIDING TRANSITION. PROVIDE DEPRESSED CURB FOR SIDEWALK RAMP. SEE C.O.A. STD. DWG. 2525.
2. CONSTRUCT 6" EXTRUDED CONCRETE CURB (TYP.) EXCEPT WHERE NOTED.
3. CONSTRUCT TURNED DOWN WALK THIS AREA.
4. CONSTRUCT ASPHALT SWALE (5% SLOPE - 1').
5. PROVIDE SMOOTH RIDING TRANSITION BETWEEN EXISTING AND PROPOSED ASPHALT PAVING.
6. EAST HALF OF ROOF TO DRAIN BELOW GRADE TO 8" STORM DRAIN. SEE ARCH. FOR DETAILS.
7. WEST HALF OF ROOF FLOW TO BE ROUTED DIRECTLY INTO CONCRETE CHANNEL. PROVIDE 4'-0" OPENING IN CURB FOR FLOWS TO ACCESS.
8. EXISTING 10' WIDE X 1' DEEP CONC. CHANNEL.
9. PROVIDE 1' OPENINGS IN CURB/RETAINING WALL FOR FLOWS TO PASS.
10. ROOF FLOWS FROM EXISTING BUILDING WILL BE COLLECTED IN A GUTTER SYSTEM AND CARRIED WEST TO THE EXISTING RUNDOWN.
11. ALL SPOTS SHOWN WITHIN PAVING AREA REPRESENT TOP OF ASPHALT INFORMATION. ADD 0.5' TO OBTAIN TOP OF CURB DATA.
12. GRADE LANDSCAPED AREA TO DRAIN TO CURB OPENINGS AT A MINIMUM SLOPE OF 10%.
13. 8" DIA. PVC PIPE. MIN. COVER = 1.5'. (-67.5° BEND AS SHOWN.
14. SINGLE TYPE D INLET WITH STD. ALBUQUERQUE GRATE. SEE C.O.A. STD. DWGS. 2306 AND 2220.
15. CONSTRUCT CONCRETE SWALE/CURB ADJACENT TO EXISTING CHANNEL CURB. SEE DETAIL THIS SHEET.
16. PROVIDE A 45° BEND AT PIPE OUTLET TO ACCESS EXISTING RIP-RAP PAD FOR EROSION PROTECTION.

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 10%.

VICINITY MAP #F-17



FEMA MAP #16



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REGISTERED PROFESSIONAL ENGINEER 6653

Revisions

LOT 9
JEFFERSON COMMONS

Scale	Drawn By	Checked By	Job Number	Date
1" = 20'	RJE	CLW		JUNE 1995

Drainage and Grading Plan

C-1
SH. 1 OF 1

LEGEND

	SIDEWALK, CURB AND GUTTER (EXISTING, PROPOSED)	LA	LANDSCAPED AREA
	PROPOSED ASPHALT PAVING	TRW	TOP OF GRADE, WALL (1' IS HIGH)
	BUILDING (EXISTING, PROPOSED)	TRW	TOP OF RETAINING WALL (1' IS HIGH)
	PROPERTY LINE	TA	TOP OF ASPHALT
	EXISTING SPOT ELEVATION	TC	TOP OF CURB
	EXISTING CONTOUR	FL	FLOW LINE
	PROPOSED SPOT ELEVATION	FF	FINISHED FLOOR
	PROPOSED CONTOUR	RW	RIGHT OF WAY
	SURFACE FLOW DIRECTION (EXISTING, PROPOSED)	PL	PROPERTY LINE
		PP	POWER POLE
		▲	ENTRY / EXIT LOCATION



EXTRUDED CONCRETE CURB

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

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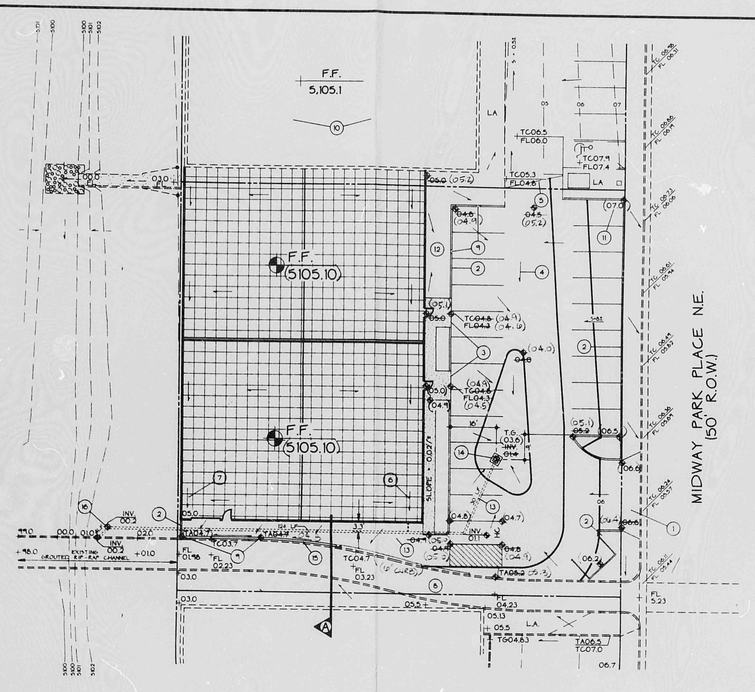
Virgil T. Hadley 11/5/02
DIRECTOR

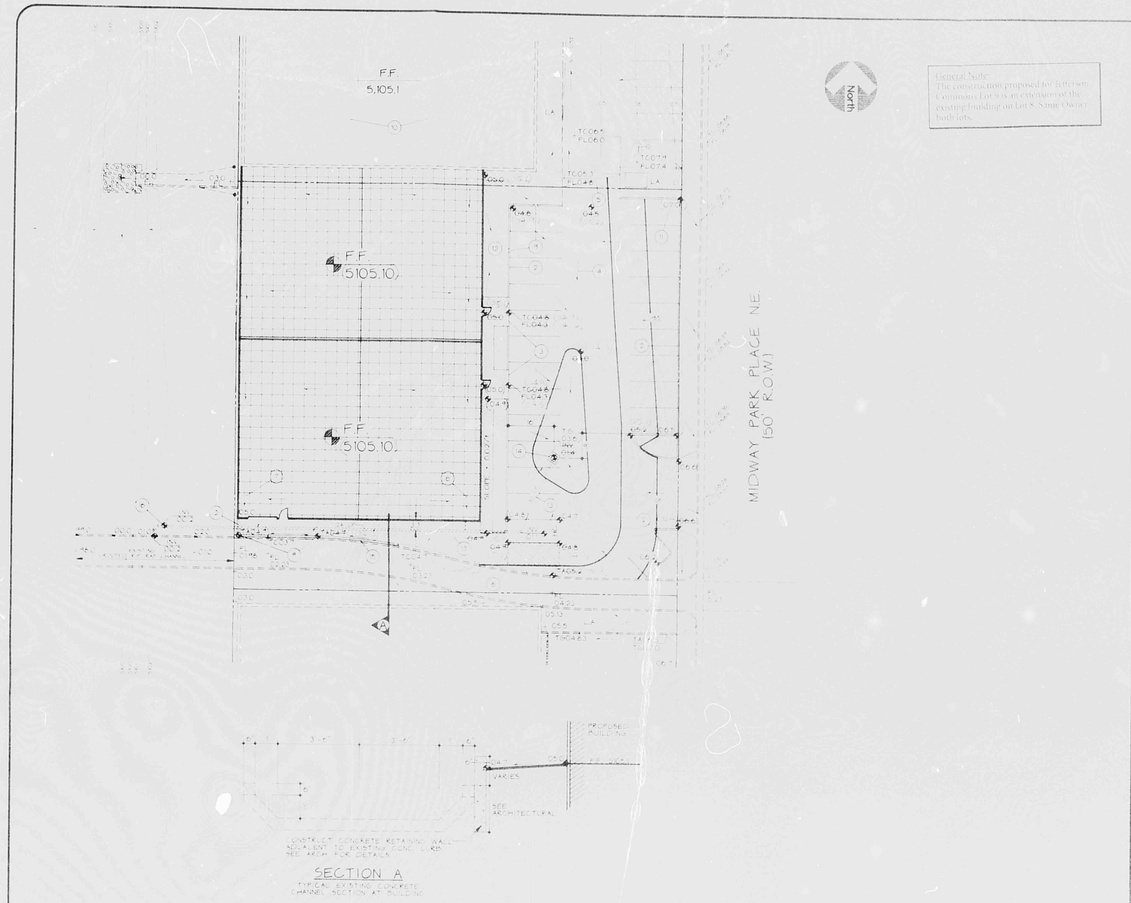
Roberta Duran
NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
07/07/02 Mod

D24 C20 B16 A12

CITY OF ALBUQERQUE C D


F.F.
5,105.1
F.F.
(5105.10)
F.F.
(5105.10)
MIDWAY PARK PLACE N.E.
(50' R.O.W.)
SLOPE = .033/ft
EXISTING R/P RAP CHANNEL
LA
TA06.2
TC07.0
TG04.83
TC07.9
FL07.4
TC05.3
FL04.8
TG04.8
FL04.3
TG04.4
FL04.3
TG04.4
FL04.3
TA04.7
TC03.9
TA04.4
TC04.7
FL
FL
FL



SECTION A

TYPICAL EXISTING CONCRETE CHANNEL SECTION AT BUILDING

General Note:
The construction proposed for Jefferson Commons Lot 9 is an extension of the existing building on Lot 8, Same Owner, both lots.

GENERAL NOTES:

LEGAL: LOT 25, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

AREA OF SITE: 0.4445 AC

SURVEYOR: RONALD FORSTBAUER SURVEYING, ALBUQUERQUE, NEW MEXICO

P.M.: SET 5/8" REBAR W/ STANDARD BLM PKASS CAP SET IN CONCRETE
SET AT THE INTERSECTION OF MIDWAY PARK PLACE N.E. AND MIDWAY PARK BLVD. N.E. LOCATED APPROXIMATELY 350 NORTHWEST OF THE INTERSECTION OF TAINER AND MIDWAY PARK BLVD.
ELEVATION = 5105.81

P.O.B.: SET 1/2" RB AT EXTENSION OF LOTS 7A LOT LINE

P.O.C.: P.O.B.

SCOPE:

THE SITE IS CURRENTLY DEVELOPED AS A PARKING LOT WITH ASSOCIATED LANDSCAPING. EXISTING SLOPES ARE GENTLE TO THE SOUTH.

THE PROPOSED IMPROVEMENTS FOR THE SITE INCLUDE AN EXPANSION OF AN EXISTING RETAIL BUILDING, ASPHALT PAVED PARKING AREA, LANDSCAPING AND ASSOCIATED UTILITIES.

DEVELOPED FLOWS FOR THE SITE WILL DISCHARGE INTO THE PUBLIC STORM DRAIN VIA A CHANNEL BY MEANS OF A CONCRETE VALLEY GUTTER. FLOWS FROM DISCHARGE POINT #2 WILL CONTINUE INTO AN EXISTING PUBLIC TRAPEZOIDAL DITCH.

CALCULATIONS:

AREA OF SITE: 0.4445 AC

Q100 AT DISCHARGE POINT #1 (MASTER PLAN, DEVELOPED): AREA A1
Q100 = (0.43 ac)(4.97 in/hr) = 2.14 cfs

TO CONC. CHANNEL: Q100 = (0.43 ac)(4.97 in/hr) = 2.14 cfs

TO PINE INLET: Q100 = (0.43 ac)(4.97 in/hr) = 2.14 cfs

Q100 AT DISCHARGE POINT #2 (MASTER PLAN, UNDEVELOPED): AREA A1
Q100 = (0.43 ac)(4.97 in/hr) = 2.14 cfs

OFF-SITE FLOWS BYPASSING SITE: NONE

FLOW CAPACITY OF PIPE IN MASTER PIPE:
USING THE MANNING EQUATION: Q = (1.49/n)(A)(R^2/3)(S^1/2)
WHERE:
n = 0.013 (CONCRETE PIPE)
A = 0.785 (D^2) = 0.785 (1.5^2) = 1.77 sq. ft.
R = D/4 = 1.5/4 = 0.375 ft.
S = 0.0050 ft/ft
Q = (1.49/0.013)(1.77)(0.375^2/3)(0.0050^1/2) = 4.97 cfs

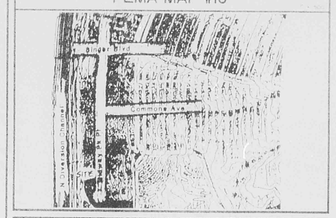
KEYNOTES

1. CONSTRUCT 6" WIDE CROSSWALK ENTRANCE AS SHOWN. PROVIDE SMOOTH TRANSITION FROM NEW CONCRETE CURB & GUTTER, SIDEWALK, RAMP, AND EXISTING ASPHALT PAVEMENT. SEE DETAIL 2415 & 2420.
2. CONSTRUCT 6" EXTRUDED CONCRETE CURB (TYP.) EXCEPT WHERE NOTED.
3. CONSTRUCT THICKENED SLAB WALK THRU AREA.
4. CONSTRUCT ASPHALT PAVING PER DETAIL 2460.
5. PROVIDE SMOOTH ROUND TRANSITION BETWEEN EXISTING AND PROPOSED PAVING.
6. CONSTRUCT CONCRETE RETAINING WALL PER DETAIL 2427 & 2428. SEE ARCHITECTURAL PLANS FOR DETAILS.
7. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
8. CONSTRUCT CONCRETE VALLEY GUTTER PER DETAIL 2415.
9. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
10. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
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31. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
32. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
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37. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
38. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
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40. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
41. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
42. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
43. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
44. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
45. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
46. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
47. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
48. CONSTRUCT CONCRETE RAMP PER DETAIL 2415 & 2420. SEE ARCHITECTURAL PLANS FOR DETAILS.
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VICINITY MAP #F-17



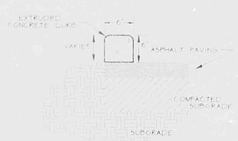
FEMA MAP #16



LEGEND

	SIDEWALK, CURB AND GUTTER (EXISTING, PROPOSED)	LA	LANDSCAPED AREA
	PROPOSED ASPHALT PAVING	TOW	TOP OF GRADE WALL (-) IS HIGH
	BUILDING (EXISTING, PROPOSED)	TRW	TOP OF RETAINING WALL (-) IS HIGH
	PROPERTY LINE	TA	TOP OF ASPHALT
(5457)	EXISTING SPOT ELEVATION	TC	TOP OF CURB
	EXISTING CONTOUR	FL	FLOW LINE
752	PROPOSED SPOT ELEVATION	FF	FINISHED FLOOR
	PROPOSED CONTOUR	R/W	RIGHT OF WAY
	SURFACE FLOW DIRECTION (EXISTING, PROPOSED)	PL	PROPERTY LINE
		PP	POWER POLE
		▲	NTKN / EXIT LOCATION

EXTRUDED CONCRETE CURB



GENERAL NOTES
1. ALL FORMATION JOINTS @ 10' O.C. MAX.
2. ALL EXPANSION JOINTS @ 30' O.C. MAX.
3. ALL CURBS, WALLS, AND CURB RETURNS SHALL BE FINISHED WITH

I, Christopher L. Weiss, P.E. hereby certify that this as-built information shown is in substantial compliance with the approved Drainage / Grading Plan.

Christopher L. Weiss, P.E. Date

SEP 12

KEYNOTES

VICINITY MAP #F-17

FEMA MAP #16

C.L. WEISS ENGINEERING, INC.

NANCY A. PARK, OFFICE
6501 PARK AVENUE, N.E.
ALBUQUERQUE, NEW MEXICO 87110
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ALVARADO SQUARE
1100 ALVARADO SQUARE, N.W.
ALBUQUERQUE, NEW MEXICO 87158
(505) 841-9120

6653

Revisions
BY DATE

LOT 9
JEFFERSON COMMONS

Scale: Drawn By: Checked By: Job Number: Date:
JUNE 1995

Drainage and Grading Plan

C-1
SH. 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 3-19-12 OP EQ

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 (MSAIIS-1977)

DIRECTOR

NOTARY PUBLIC

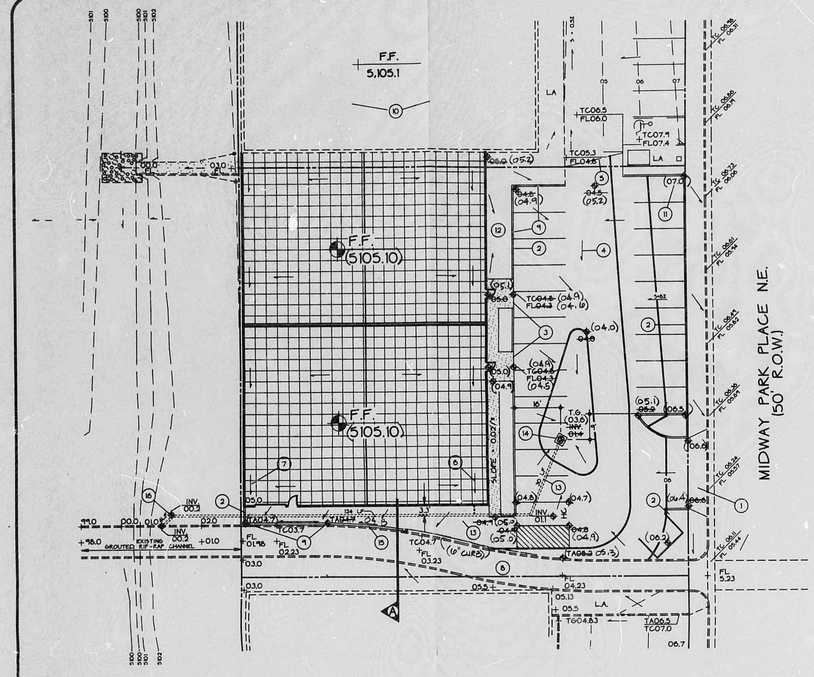
OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
07/27/95

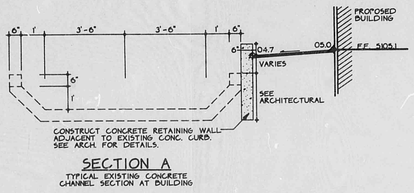
D24 C20 B16 A12 | CITY OF ALBUQERQUE C D

PUBLIC WORKS/HYDROLOGY

3 OF 3

F17/D61S



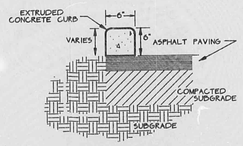


SECTION A

TYPICAL EXISTING CONCRETE CHANNEL SECTION AT BUILDING

LEGEND

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



GENERAL NOTES

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

EXTRUDED CONCRETE CURB

NTS

General Note:
The construction proposed for Jefferson Commons Lot 9 is an extension of the existing building on Lot 8. Same Owner both lots.

GENERAL NOTES:

LEGAL: LOT 25, JEFFERSON COMMONS, ALBUQUERQUE, NEW MEXICO

AREA OF SITE: 0.4967 AC.

SURVEYOR: RONALD FORSTBAUER SURVEYING, ALBUQUERQUE, NEW MEXICO

B.M.: "SC 27 | 26", A STANDARD BLM BRASS CAP SET IN CONCRETE 34 | 35 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 EXTENSION OF LOTS 7/8 LOT LINE. ELEVATION = 5,107.23.

SCOPE:

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

THE PROPOSED IMPROVEMENTS FOR THE SITE INCLUDE AN ADDITION OF 10,374 SF SLAB-ON-GRADE BUILDING, ASPHALT-PAVED PARKING AREAS AND ASSOCIATED WALKS AND LANDSCAPED AREAS.

DEVELOPED FLOWS FOR THE SITE WILL DISCHARGE INTO THE SOUTH CONCRETE DRAINAGE CHANNEL BY MEANS OF A CONCRETE VALLEY GUTTER SLOPING AT 0.005'/'. THESE FLOWS WILL CONTINUE INTO AN EXISTING A.M.A.F.C.A. SECONDARY INTERCEPTOR DITCH.

CALCULATIONS:

AREA OF SITE: 0.4967AC.

Q100 AT DISCHARGE POINT (MASTER PLAN, DEVELOPED, AREA B)

Q_{100} = 10.81(4.65)(0.4967) = 1.87 CFS

TO CONC. CHANNEL: Q_{100} = 10.81(4.65)(0.12) = 0.45 CFS

TO PIPE INLET: Q_{100} = 10.81(4.65)(0.34) = 1.28 CFS

Q100 AT DISCHARGE POINT (MASTER PLAN, UNDEVELOPED, AREA B)

Q_{100} = 10.40(4.65)(0.4967) = 0.92 CFS

OFF SITE FLOWS EFFECTING SITE: NONE

FLOW CAPACITY OF AN 8" DIAMETER PIPE:

USING THE ORIFICE EQUATION $Q = CA\sqrt{(2gH)}$

WHERE: C = 0.6
A = 0.35
D = 0.67
H = 0.22

THEN: Q = 1.4 CFS (1.28 REQUIRED) OK

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 9-11-95

9-22-95

RECEIVED
SEP 28 1995

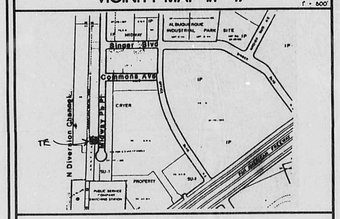
KEYNOTES

1. CONSTRUCT 24' WIDE DRIVEWAY ENTRANCE AS SHOWN. PROVIDE SMOOTH RIDING TRANSITION. PROVIDE DEPRESSED CURB FOR SIDEWALK RAMP. SEE C.O.A. STD. DWG. 2525
2. CONSTRUCT 6" EXTRUDED CONCRETE CURB (TYP.) EXCEPT WHERE NOTED.
3. CONSTRUCT TURNED DOWN WALK THIS AREA.
4. CONSTRUCT ASPHALT SWALE (SLOPE = 1%)
5. PROVIDE SMOOTH RIDING TRANSITION BETWEEN EXISTING AND PROPOSED ASPHALT PAVING.
6. EAST HALF OF ROOF TO DRAIN BELOW GRADE TO 8" STORM DRAIN. SEE ARCH. FOR DETAILS.
7. WEST HALF OF ROOF FLOW TO BE ROUTED DIRECTLY INTO CONCRETE CHANNEL. PROVIDE 3.0' OPENING IN CURB FOR FLOWS TO ACCESS.
8. EXISTING 10' WIDE X 1' DEEP CONC. CHANNEL.
9. PROVIDE 1' OPENINGS IN CURB/RETAINING WALL FOR FLOWS TO PASS.
10. ROOF FLOWS FROM EXISTING BUILDING WILL BE COLLECTED IN A GUTTER SYSTEM AND CARRIED WEST TO THE EXISTING RUNDOWN.
11. ALL SPOTS SHOWN WITHIN PAVING AREA REPRESENT TOP OF ASPHALT INFORMATION. ADD 0.5 TO OBTAIN TOP OF CURB DATA.
12. GRADE LANDSCAPED AREA TO DRAIN TO CURB OPENINGS AT A MINIMUM SLOPE OF 1.0%
13. 6" DIA. PVC PIPE. MIN. COVER = 1.5'. 1-67.5° BEND AS SHOWN
14. SINGLE TYPE 'D' INLET WITH STD. ALBUQUERQUE GRATE. SEE C.O.A. STD. DWGS. 2306 AND 2220.
15. CONSTRUCT CONCRETE GUARD CURB ADJACENT TO EXISTING CHANNEL CURB. SEE DETAIL THIS SHEET.
16. PROVIDE A 45° BEND AT PIPE OUTLET TO ACCESS EXISTING RIP-RAP PAD FOR EROSION PROTECTION.

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 1.0%

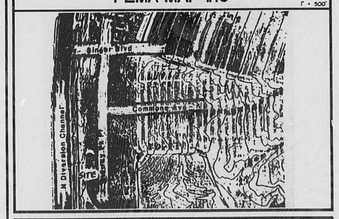
VICINITY MAP #F-17

1" = 600'



FEMA MAP #16

1" = 500'



C.L. WEISS ENGINEERING, INC.

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ALVARADO OFFICE
100 ALVARADO DR. NE
ALBUQUERQUE, NM 87110
(505) 266-3444

Revisions
6-9-95

LOT 9
JEFFERSON COMMONS
(ADDITION TO EXISTING BLDG. LOT 8)

Scale	Drawn By:	Checked By:	Job Number	Date
1" = 20'	BJD	CLW		JUNE 1995

Drainage and Grading Plan — C-1, SH. 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 3-19-12 OP KP

CITY OF ALBUQUERQUE

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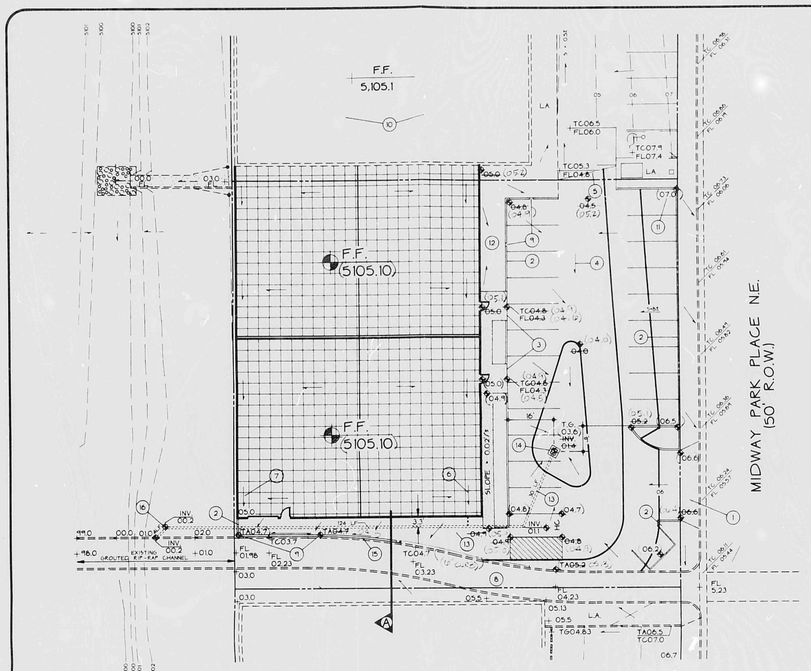
Engr. J. Hadley 11/5/12
DIRECTOR

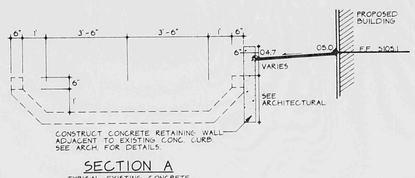
Roberta Duran
NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
07/02/12 (and)

D:\11 LOTB4D2 06/30/95 11:21:05

D24 C20 B16 A12 CITY OF ALBUQUERQUE C D


F.F.
5,105.1
F.F.
(5105.10)
F.F.
(5105.10)
MIDWAY PARK PLACE N.E.
(50' R.O.W.)
SLOPE = 0.027
TC05.3
FL04.8
TC06.5
FL06.0
TC07.9
FL07.4
TC04.8
FL04.3
TG
FL05.1
INV.
011
TA05.2
TC04.7
FL
03.23
FL
04.23
TC04.83
TA05.2
TC07.0
06.7
FL
5.23
INV.
010
INV.
009
INV.
008
INV.
007
INV.
006
INV.
005
INV.
004
INV.
003
INV.
002
INV.
001
+98.0
+98.0
(GROUTED R.P. RAP)
EXISTING
CHANNEL
A
A



SECTION A

TYPICAL EXISTING CONCRETE CHANNEL SECTION AT BUILDING

General Note:
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GENERAL NOTES:

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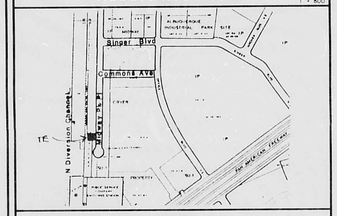
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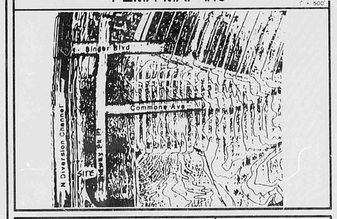
VICINITY MAP #F-17

1" = 800'



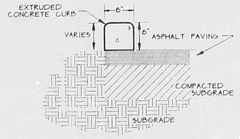
FEMA MAP #16

1" = 500'



LEGEND

	SIDEWALK, CURB AND GUTTER (EXISTING, PROPOSED)	LA	LANDSCAPED AREA
	PROPOSED ASPHALT PAVING	TGW	TOP OF GRADE WALL (< 18" HIGH)
	BUILDING (EXISTING, PROPOSED)	TRW	TOP OF RETAINING WALL (> 18" HIGH)
	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
(X.X)	AS-BUILT INFORMATION	PP	POWER POLE
		▲	ENTRY / EXIT LOCATION



GENERAL NOTES
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EXTRUDED CONCRETE CURB
NTS

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 9-11-95

C.L. WEISS ENGINEERING, INC.

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CHRISTOPHER L. WEISS 6653 REGISTERED PROFESSIONAL ENGINEER

Revisions
6-9-95

LOT 9
JEFFERSON COMMONS
(WITHIN EXISTING FENCE LOTS)

Scale	Drawn By	Checked By	Job Number	Date
1" = 20'	BJB	C.L.W.		JUNE 1995

Drainage and Grading Plan

C-1
SH. 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 3/17/97 OP

CITY OF ALBUQUERQUE

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DIRECTOR

NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO

07/03/97

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