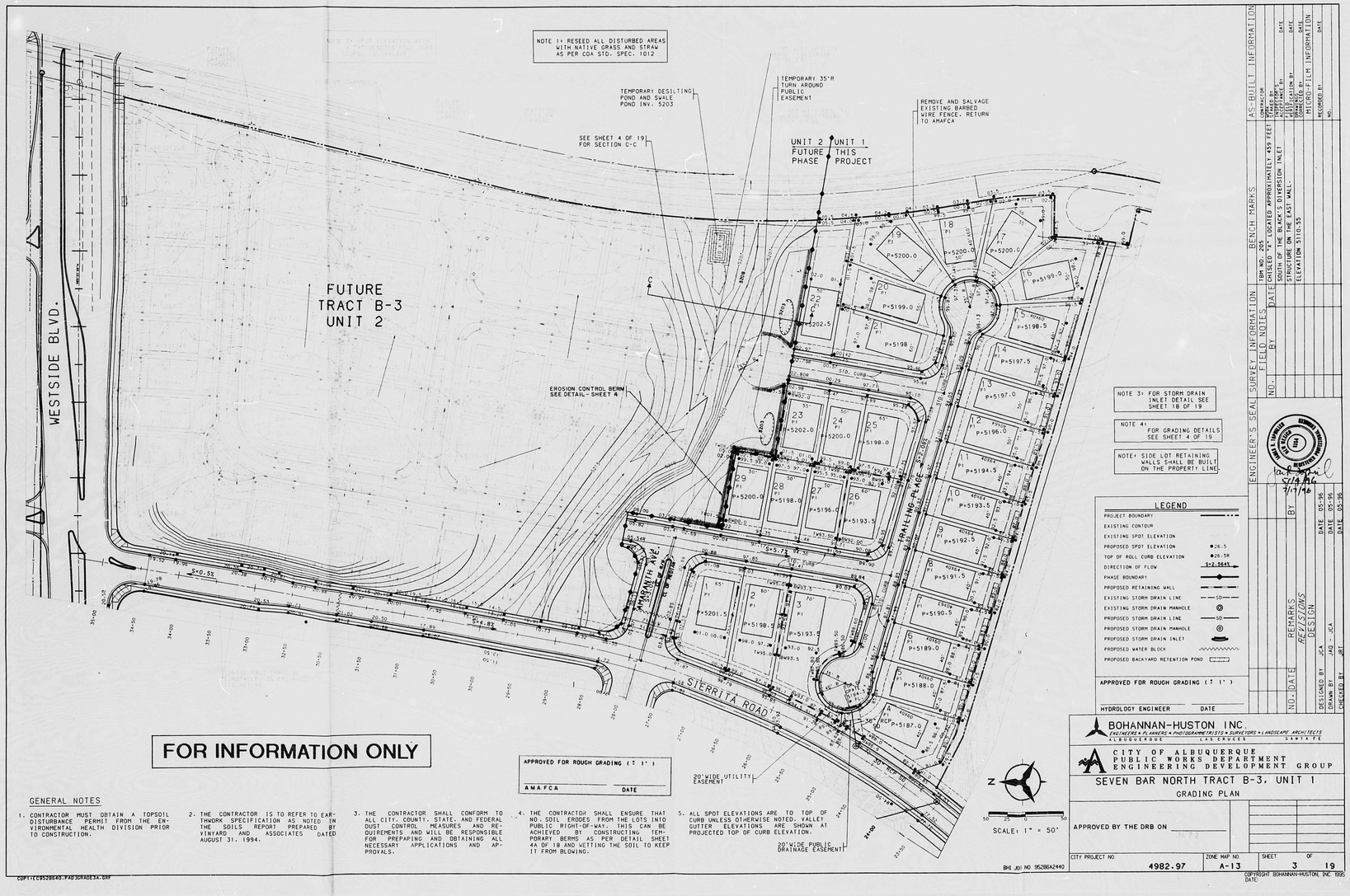
PUBLIC WORKS/HYDROLOGY

A13/D7C1



GENERAL NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
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5. ALL SPOT ELEVATIONS ARE TO TOP OF CURB UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT PROJECTED TOP OF CURB ELEVATION.

COPY1:C95286AD.PAD JCRADE3A.DRF

R# 22 DATE 3-13-02 OP

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 (NMA)(F-1977)

DIRECTOR

NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 07/07/2002

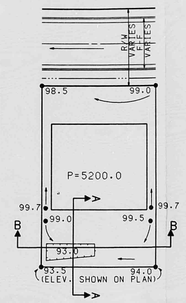
CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

PLANS/PLATS ON FILE

FILE DESC: A13/D7C2

PLANS/PLATS 3

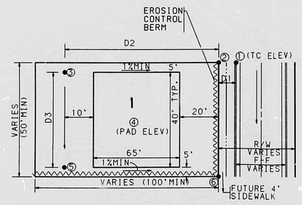
E 30 D 24 C 20 B 16 A 12 CITY OF ALBUQERQUE C D F



TYPICAL LOT GRADING PLAN FOR LOTS WITH BACKYARD PONDING

NO SCALE

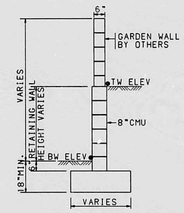
NOTE: ALL AREAS FROM THE REAR EDGE OF THE PAD TO THE STREET ARE TO DRAIN TO THE STREET. THE POND IS DESIGNED FOR BACKYARD RUNOFF ONLY.



TYPICAL LOT GRADING PLAN

NO SCALE

TO SET SPOT ③ - MULTIPLY D1 BY 2% AND ADD TO SPOT ① ON HIGH SIDE OF STREET
TO SET SPOT ③ - MULTIPLY D2 BY 1% AND ADD TO SPOT ②
TO SET SPOT ④ - ADD 0.5' TO SPOT ③ AND ROUND TO NEAREST 0.5'
TO RESET SPOT ③ - SUBTRACT 0.5' FROM SPOT ④
TO SET SPOT ⑤ - MULTIPLY D3 BY 1% AND SUBTRACT FROM SPOT ④
(CHECK SLOPE FROM SPOT ⑤ TO SPOT ⑥ TO BE MIN 1%)
(NOTE: IF STREET SLOPE IS LESS THAN 1% THEN START FROM LOW SIDE OF STREET)



TW=FINISHED GRADE ELEVATION AT TOP OF RETAINING WALL
BW=FINISHED GRADE ELEVATION AT BOTTOM OF RETAINING WALL

TYPICAL RETAINING WALL NOMENCLATURE

NO SCALE

(RETAINAGE HEIGHT IS TAKEN TO BE DIFFERENCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL)

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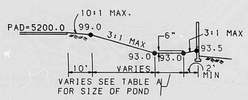
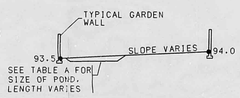


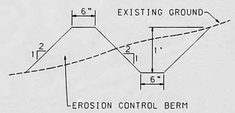
SECTION A-A

NO SCALE



SECTION B-B

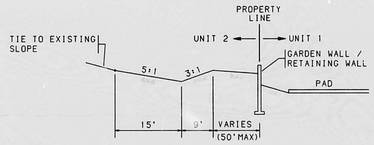
NO SCALE



EROSION CONTROL PLAN

NO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT. SEE TYPICAL LOT GRADING PLAN THIS SHEET FOR LOCATION.



SECTION C-C TEMPORARY DRAINAGE SWALE

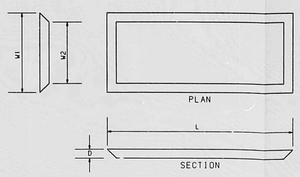
(SEE GRADING PLAN)

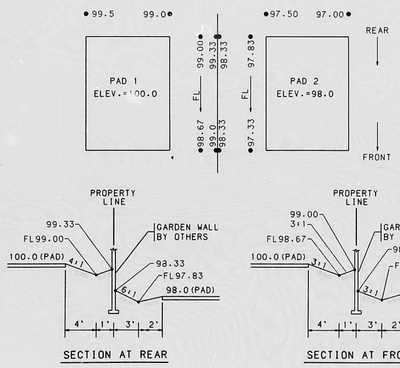
FOR INFORMATION ONLY

TABLE A

BACKYARD RETENTION POND DIMENSIONS

LOT NO. UNIT B-3	BACKYARD AREA (SQ. FT.)	REQUIRED V (100) (CU. FT.)	POND DIMENSION (FT.) (AVG. WIDTHS) L	W1	W2	D	PROVIDED POND VOLUME (CU. FT.)
4	2700	215	51	10	7	0.5	217
5	1300	118	37	8	5	0.5	120
6	1300	118	37	8	5	0.5	120
7	1150	108	34	8	5	0.5	111
8	1100	105	33	8	5	0.5	107
9	1100	105	33	8	5	0.5	107
10	1100	105	33	8	5	0.5	107
11	1100	105	33	8	5	0.5	107
12	1100	105	33	8	5	0.5	107
13	1050	101	31	8	5	0.5	101
14	860	88	27	8	5	0.5	88
15	1330	120	54	6	3	0.5	122
47	3250	253	26	18	15	0.6	257
48	3010	236	24	18	15	0.6	238
49	2840	223	23	18	15	0.6	225
50	2780	220	23	18	15	0.6	228
51	2760	219	23	18	15	0.6	228
52	3175	248	25	18	15	0.6	248
67	1465	130	28	11	8	0.5	133

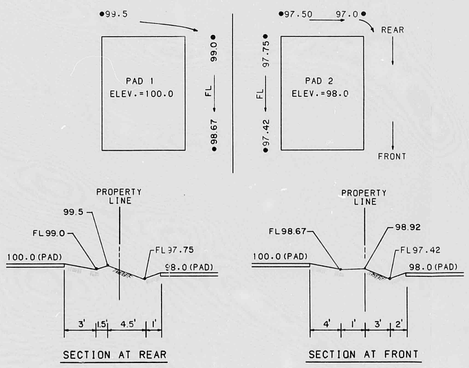




SECTION AT REAR — SECTION AT FRONT

SIDE LOT GRADING (AFTER GARDEN WALL INSTALLATION)

(TYPICAL FOR 5' SIDE YARDS WITH 2' PAD DIFFERENCE)



SECTION AT REAR — SECTION AT FRONT

SIDE LOT GRADING (BEFORE GARDEN WALL INSTALLATION)

(TYPICAL FOR 5' SIDE YARDS WITH 2' PAD DIFFERENCE)

APPROVED FOR ROUGH GRADING (x 1")

HYDROLOGY ENGINEER DATE

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SEVEN BAR NORTH TRACT-3, UNIT 1
GRADING DETAILS

APPROVED BY THE DRB ON _____

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
4982.97	A-13	4	19

BHI JOB NO 95286A2440

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DATE 05-96

ENGINEER'S SEAL SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

BENCH MARKS

TBM NO.205
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.
ELEV. 5110.55

AS-BUILT INFORMATION

CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

		DATE
DESIGNED BY	JCA	05-96
DRAWN BY	JCA, JAO	05-96
CHECKED BY	JRT	05-96

Jim R. Tapia 5/14/96
7/7/96

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R# 23 DATE 3-13-02 OPR

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4/15/02
DIRECTOR

Roberta Duran
NOTARY PUBLIC

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

CDP1:EC9425040.PADJGRADE3A-DTLS.GRF

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

NOTE 2: SPOT ELEVATION WITH A "SR" DENOTES ROLL TYPE CURB.

NOTE 1: RESEED ALL DISTURBED AREAS WITH NATIVE GRASS AND STRAW AS PER COA STD. SPEC. 1012

FUTURE 15' WIDE DRAINAGE CHANNEL

EDGE OF CHANNEL

TEMPORARY DESILTING POND AND SWALE POND INV. 5203

TEMPORARY 35'R TURN AROUND PUBLIC EASEMENT

REMOVE AND SALVAGE EXISTING BARBED WIRE FENCE. RETURN TO AMAFCA

SEE SHEET 4 OF 19 FOR SECTION C-C

UNIT 2 FUTURE PHASE | UNIT 1 THIS PROJECT

FUTURE TRACT B-3 UNIT 2

EROSION CONTROL BERM SEE DETAIL- SHEET 4

DRIVE PADS SHALL BE INSTALLED IN PROVEMITY TO RETURN.

TRAILING PLACE

SIERRITA ROAD

20' WIDE UTILITY EASEMENT

Rim 8645 INV. 7819

20' WIDE PUBLIC DRAINAGE EASEMENT

APPROVED FOR ROUGH GRADING (± 1')

AMAFCA DATE

DRAINAGE CERTIFICATION

I JOHN C. ALEXANDER OF BOHANNAN HUSTON, N.M.P.E.# 13278, HEREBY CERTIFY THAT THE AS-BUILT DRAINAGE CONDITIONS OF THE SITE ARE IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED GRADING AND DRAINAGE PLAN, TO THE BEST OF MY KNOWLEDGE AND BELIEF. AS-BUILT ELEVATIONS ARE SHOWN ON THE PLAN WHERE THE ORIGINAL DESIGN ELEVATION HAS BEEN CROSSED OUT AND THE AS-BUILT ELEVATION ADDED. AS-BUILT ELEVATIONS WERE VERIFIED BY ALDRICH LAND SURVEY L.S.# 7719. THIS STATEMENT DOES NOT REPRESENT CERTIFICATION OF CONTRACTOR'S METHODS OR MATERIALS.

NAME

8-28-97

DATE

JOHN C. ALEXANDER NEW MEXICO 13278 REGISTERED PROFESSIONAL ENGINEER

LEGAL DESCRIPTION
SEVEN BAR NORTH SUBDIVISION
TRACT B-3, UNIT 1

NOTE 3: FOR STORM DRAIN INLET DETAIL SEE SHEET 18 OF 19

NOTE 4: FOR GRADING DETAILS SEE SHEET 4 OF 19

NOTE: SIDE LOT RETAINING WALLS SHALL BE BUILT ON THE PROPERTY LINE.

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	6234.5
PROPOSED SPOT ELEVATION	●26.5
TOP OF ROLL CURB ELEVATION	●26.5R
DIRECTION OF FLOW	S=2.94%
PHASE BOUNDARY	
PROPOSED RETAINING WALL	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN LINE	SD
PROPOSED STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	
PROPOSED WATER BLOCK	
PROPOSED BACKYARD RETENTION POND	

APPROVED FOR ROUGH GRADING (± 1')

HYDROLOGY ENGINEER DATE

AS-BUILT INFORMATION

CONTRACTOR Franciscus
STAKED BY A.L.S. INC. 9/97
INSPECTOR'S CERTIFICATION BY DATE
FIELD VERIFICATION BY A.L.S. INC. DATE 9/97
DRAWINGS CORRECTED BY A.L.S. INC. DATE 9/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

TBM NO. 205
CHISELED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.
ELEVATION 5110.55

ENGINEER'S SEAL

SEAL SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY JCA DATE 05-96
DRAWN BY JAG - KCA DATE 05-96
CHECKED BY JRT DATE 05-96

PLAN SHOT TWICE ONCE ON LIGHT ONCE ON DARK

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R# 22 DATE 3-13-02 OP. E.R.

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DIRECTOR

NOTARY PUBLIC

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

VICINITY MAP
NO SCALE A-13-Z

SITE

GENERAL NOTES

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SCALE: 1" = 50'

BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PROFESSIONAL SURVEYORS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SEVEN BAR NORTH TRACT B-3, UNIT 1
GRADING PLAN

APPROVED BY THE DRB ON

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
4982.97	A-13	3	19

BHI JOB NO. 95288A2440

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D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D

NOTE 1: RESEED ALL DISTURBED AREAS WITH NATIVE GRASS AND STRAW AS PER COA STD. SPEC. 1012

TEMPORARY DESILTING POND AND SWALE POND INV. 5203

TEMPORARY 35'R TURN AROUND PUBLIC EASEMENT

REMOVE AND SALVAGE EXISTING BARBED WIRE FENCE. RETURN TO AMAFCA

SEE SHEET 4 OF 19 FOR SECTION C-C

UNIT 2 FUTURE PHASE | UNIT 1 THIS PROJECT

FUTURE TRACT B-3 UNIT 2

WESTSIDE BLVD.

EROSION CONTROL BERM SEE DETAIL- SHEET 4

AMARANTH AVE.

TRAILING PLACE

SIERRITA ROAD

20' WIDE UTILITY EASEMENT

20' WIDE PUBLIC DRAINAGE EASEMENT

Rim 8645 INV. 7819

LEGAL DESCRIPTION
SEVEN BAR NORTH SUBDIVISION
TRACT B-3, UNIT 1

NOTE 3: FOR STORM DRAIN INLET DETAIL SEE SHEET 18 OF 19

NOTE 4: FOR GRADING DETAILS SEE SHEET 4 OF 19

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NAME

DATE 8-28-97

LEGEND

PROJECT BOUNDARY	
EXISTING CONTOUR	
EXISTING SPOT ELEVATION	
PROPOSED SPOT ELEVATION	●26.5
TOP OF ROLL CURB ELEVATION	●26.5R
DIRECTION OF FLOW	S=2.35%
PHASE BOUNDARY	
PROPOSED RETAINING WALL	
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN LINE	SD
PROPOSED STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	
PROPOSED WATER BLOCK	
PROPOSED BACKYARD RETENTION POND	

APPROVED FOR ROUGH GRADING (± 1')

HYDROLOGY ENGINEER DATE

AS-BUILT INFORMATION

CONTRACTOR FRANKLINS
STAKED BY A.S. INC. DATE 8/97
INSPECTED BY DATE
VERIFICATION BY ALS INC DATE 9/97
CORRECTED BY ALS INC DATE 10/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

TBM NO. 205
CHISELED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.
ELEVATION 5110.55

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY JCA DATE 05-96
DRAWN BY JAD - JCA DATE 05-96
CHECKED BY JRT DATE 05-96

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VICINITY MAP
NO SCALE A-19-Z

APPROVED FOR ROUGH GRADING (± 1')
AMAFCA DATE

SCALE: 1" = 50'

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ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SEVEN BAR NORTH TRACT B-3, UNIT 1
GRADING PLAN

APPROVED BY THE DRB ON

CITY PROJECT NO	ZONE MAP NO	SHEET	OF
4982.97	A-13	3	19

BHI JOB NO 95286A2440

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PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

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R# 22 DATE 5-13-02 OP. E.G.P.

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

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