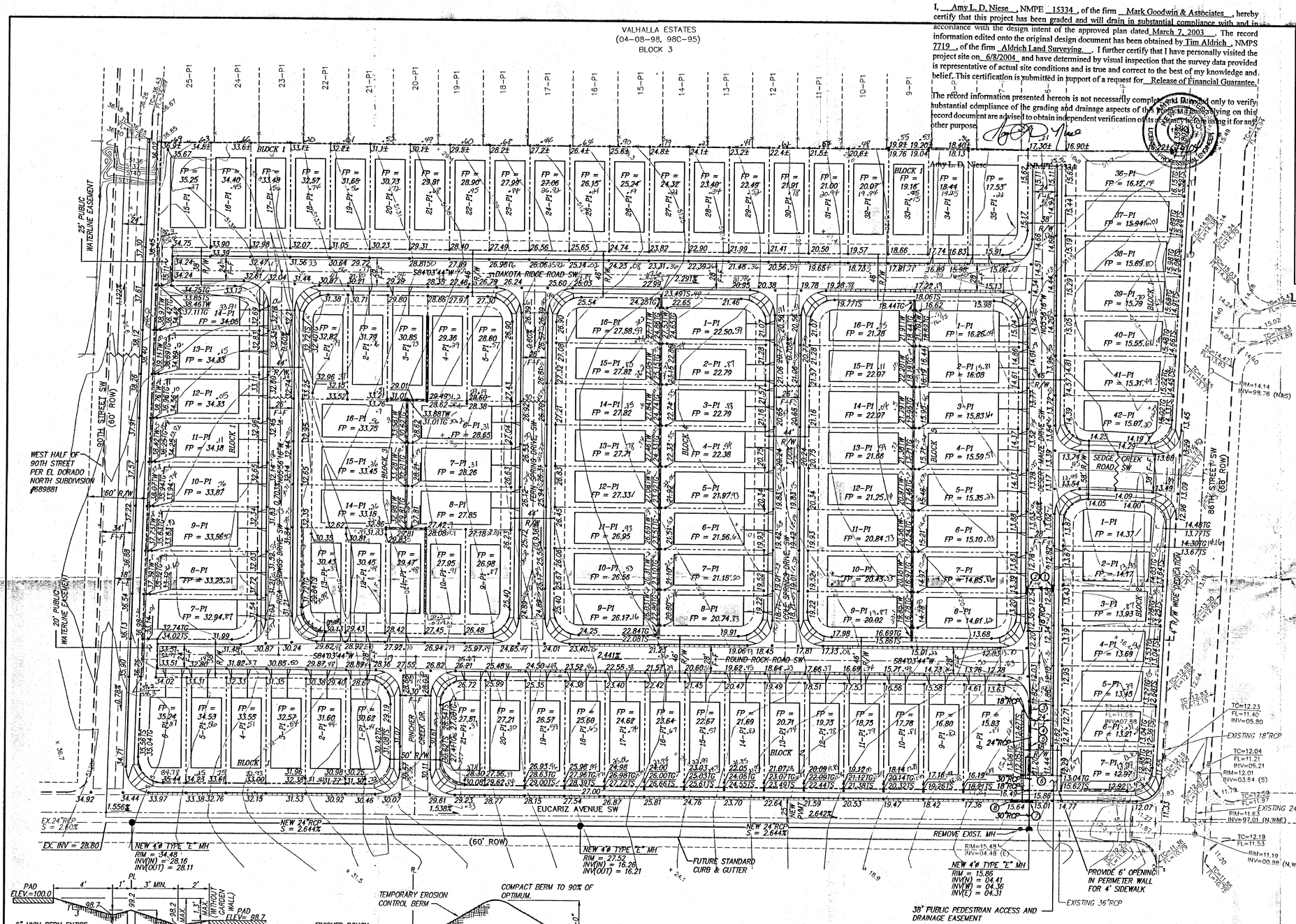
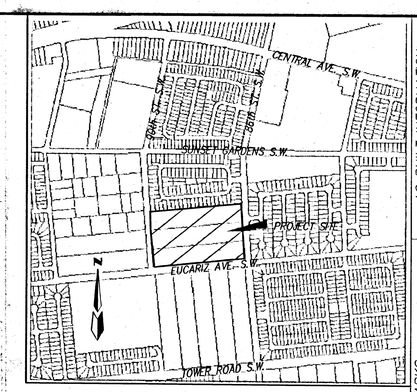
DRAINAGE CERTIFICATION

I, Amy L. D. Niese, NMPE 15334, of the firm Mark Goodwin & Associates, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated March 7, 2003. The record information edited onto the original design document has been obtained by Tim Aldrich, NMPS 7719, of the firm Aldrich Land Surveying. I further certify that I have personally visited the project site on 6/8/2004 and have determined by visual inspection that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Release of Financial Guarantee.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

Amy L. D. Niese
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 15334
6/22/04





LOCATION MAP

ZONE ATLAS L-9-Z

SCALE: NONE

NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
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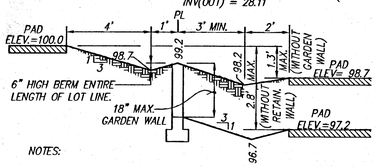
6. A PERIMETER CMU WALL WILL BE CONSTRUCTED AROUND THE PROJECT SITE. INTERIOR PROPERTY BOUNDARIES WILL BE SEPARATED BY WALLS (SIDEYARDS AND BACK YARDS).

LEGEND

5615	EXISTING CONTOUR (MAJOR)
5616	EXISTING CONTOUR (MINOR)
TC= FL= x 00.0	EXISTING SPOT ELEVATION
	EXISTING CONCRETE CURB
	EXISTING SIGN
	EXISTING WOOD FENCE
	EXISTING CHAIN LINK FENCE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING FIRE HYDRANT
E	EXISTING ELECTRIC TRANSFORMER
X	EXISTING TELEPHONE BOX
	NEW MOUNTABLE CURB & GUTTER
	NEW STANDARD CURB & GUTTER
	NEW SIDEWALK
	NEW RIGHT-OF-WAY
	NEW CENTERLINE
	NEW LOT LINES
	NEW EASEMENTS
	NEW GARDEN WALL
	NEW RETAINING WALL
20.00	NEW SPOT ELEVATIONS
18.19TG	NEW TOP OF WALL ELEVATIONS
18.21TS	NEW TOP OF GRADE ELEVATIONS
18.21TS	NEW TOP OF SIDEWALK ELEVATIONS
	NEW FLOW
	NEW SLOPE
	NEW HIGH POINT



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TYPICAL SIDEYARD GARDEN BLOCKWALL DETAIL

NTS

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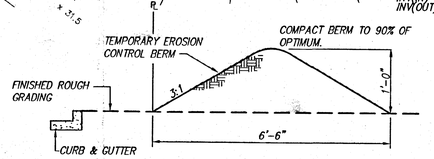

EROSION CONTROL BERM DETAIL

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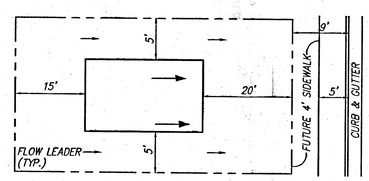

TYPICAL LOT LAYOUT PLAN

N.T.S.

NEW INLET SUMMARY

1. NEW DBL TYPE "A" INLET
   TG= 12.58
   INV= 06.95
2. NEW SGL TYPE "A" INLET
   TG= 12.58
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   INV(S)= 06.71
3. NEW DBL TYPE "C" INLET
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   INV(N)= 05.37
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   TG= 11.36
   INV(N)= 05.17
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6. NEW DBL TYPE "C" INLET
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   TG= 15.64
   INV(W)= 04.65
   INV(E)= 04.60
8. NEW DBL TYPE "A" INLET
   TG= 16.04
   INV.= 10.04

N

50' 25' 0 50' 100'

SCALE: 1" = 50'

A2108CP\A2108gd\03-07-03\ MJR NHE ACH

AS BUILT INFORMATION

CONTRACTOR			
WORK STAKED BY		DATE	
INSPECTOR'S ACCEPTANCE BY		DATE	
VERIFICATION BY		DATE	
DRAWINGS CORRECTED BY		DATE	
RECORDED BY		DATE	
NO.			

BENCH MARKS

ACS BRASS CAP STAMPED "7-K9, 1989". THE STATION IS 530 FEET FROM THE CENTERLINE OF 90th STREET GOING EAST DOWN THE CENTERLINE OF CENTRAL AVENUE.

GEOGRAPHIC POSITION (NAD 1927), IN FEET.
NEW MEXICO STATE PLANE COORDINATES (CENTRAL ZONE).
X = 355,815.77, Y = 1,482,842.09
ELEVATION = 5137.363, NGVD29, IN FEET.

MICRO-FILM INFORMATION

RECORDED BY		DATE	
NO.			

SURVEY INFORMATION

NO.	BY	DATE

FIELD NOTES

ENGINEER'S SEAL

AMY L. DRISCOLL NEW MEXICO 15334 LICENSED PROFESSIONAL ENGINEER

RECEIVED JUN 09 2004 HYDROLOGY SECTION

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	ALD	11/02
DRAWN BY	MJR	11/02
CHECKED BY	DMG	11/02

dmg
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:

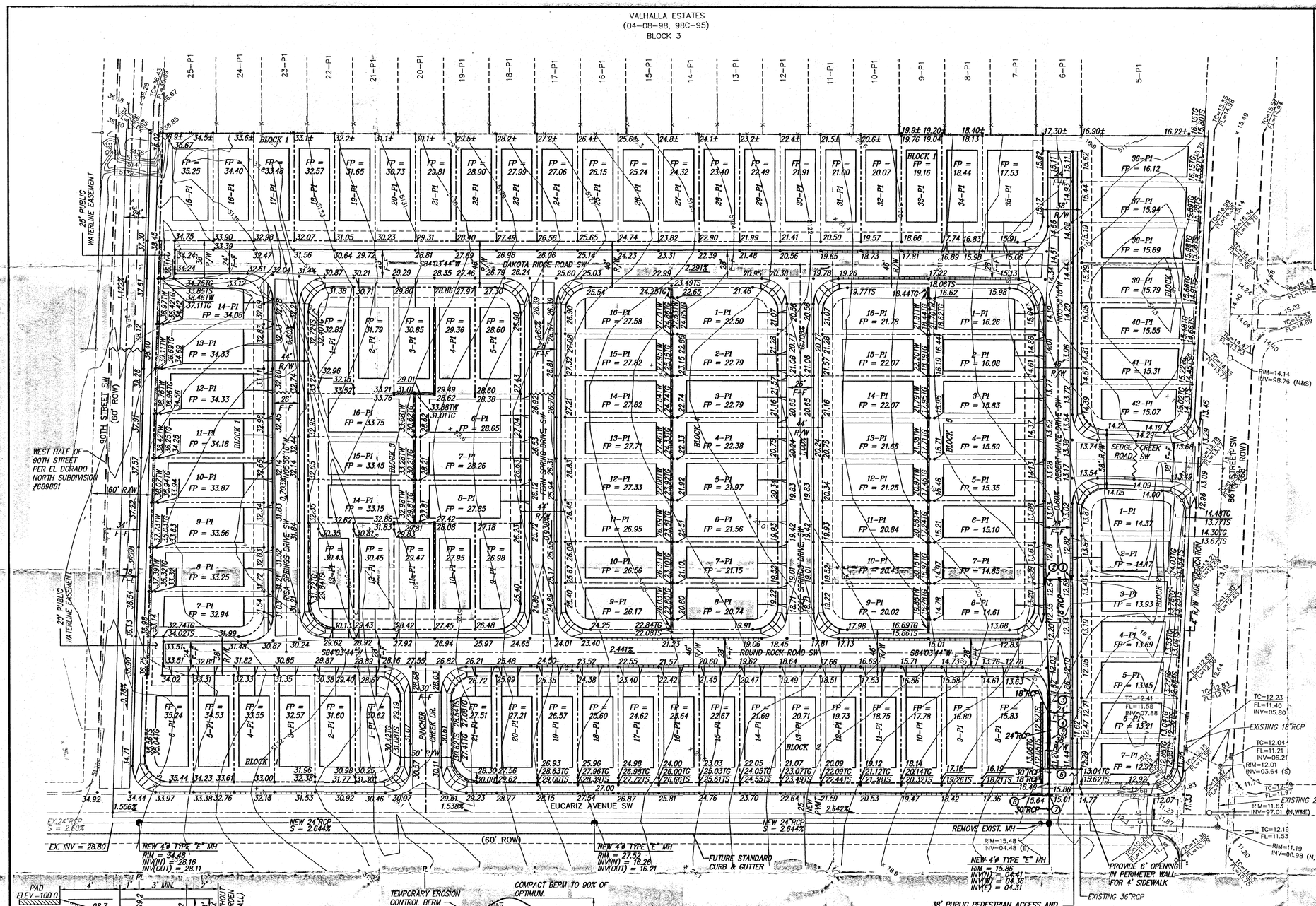
DESERT PINE - UNIT 4 GRADING AND DRAINAGE PLAN

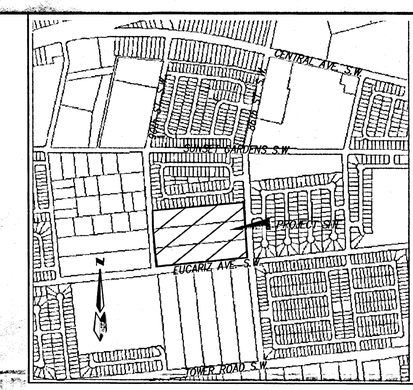
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
	L-9-Z		

F:\A02JOBS\A2108CP\A2108gd.dwg Fri Mar 07 14:02:30 2003 D. MARK GOODWIN & ASSOCIATES, PLTTED BY: ACH

VALHALLA ESTATES
(04-08-98, 98C-95)
BLOCK 3





LOCATION MAP

ZONE ATLAS L-9-Z

SCALE: NONE

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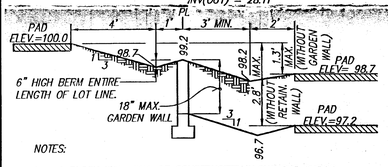

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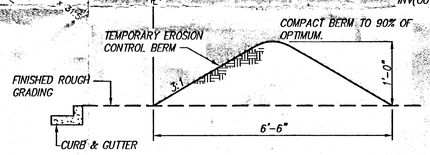

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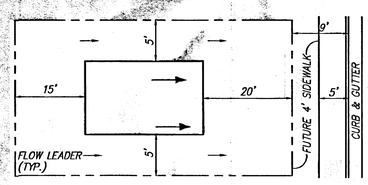

TYPICAL LOT LAYOUT PLAN

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50' 25' 0 50' 100'

SCALE: 1" = 50'

A2108CP\A2108gd\03-07-03\ MJR NHE ACH

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

AS BUILT INFORMATION

BENCH MARKS

ACS BRASS CAP STAMPED 7-K9, 1989. THE STATION IS 530 FEET FROM THE CENTERLINE OF 90th STREET GOING EAST DOWN THE CENTERLINE OF CENTRAL AVENUE.
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	DATE
CONTRACTOR	
STAKED BY	
INSPECTOR'S AS-BUILT PLANS BY	
FIELD VERIFICATION BY	
OFFICE CORRECTED BY	

MICRO-FILM INFORMATION

	DATE
RECORDED BY	
NO.	

ENGINEER'S SEAL

NEW MEXICO LICENSED PROFESSIONAL ENGINEER 15334 DRISCOLL ALAN

NO.	DATE	REMARKS	BY
		REVISIONS	

		DATE
DESIGNED BY	ALD	11/02
DRAWN BY	MJR	11/02
CHECKED BY	DMG	11/02

dmg
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

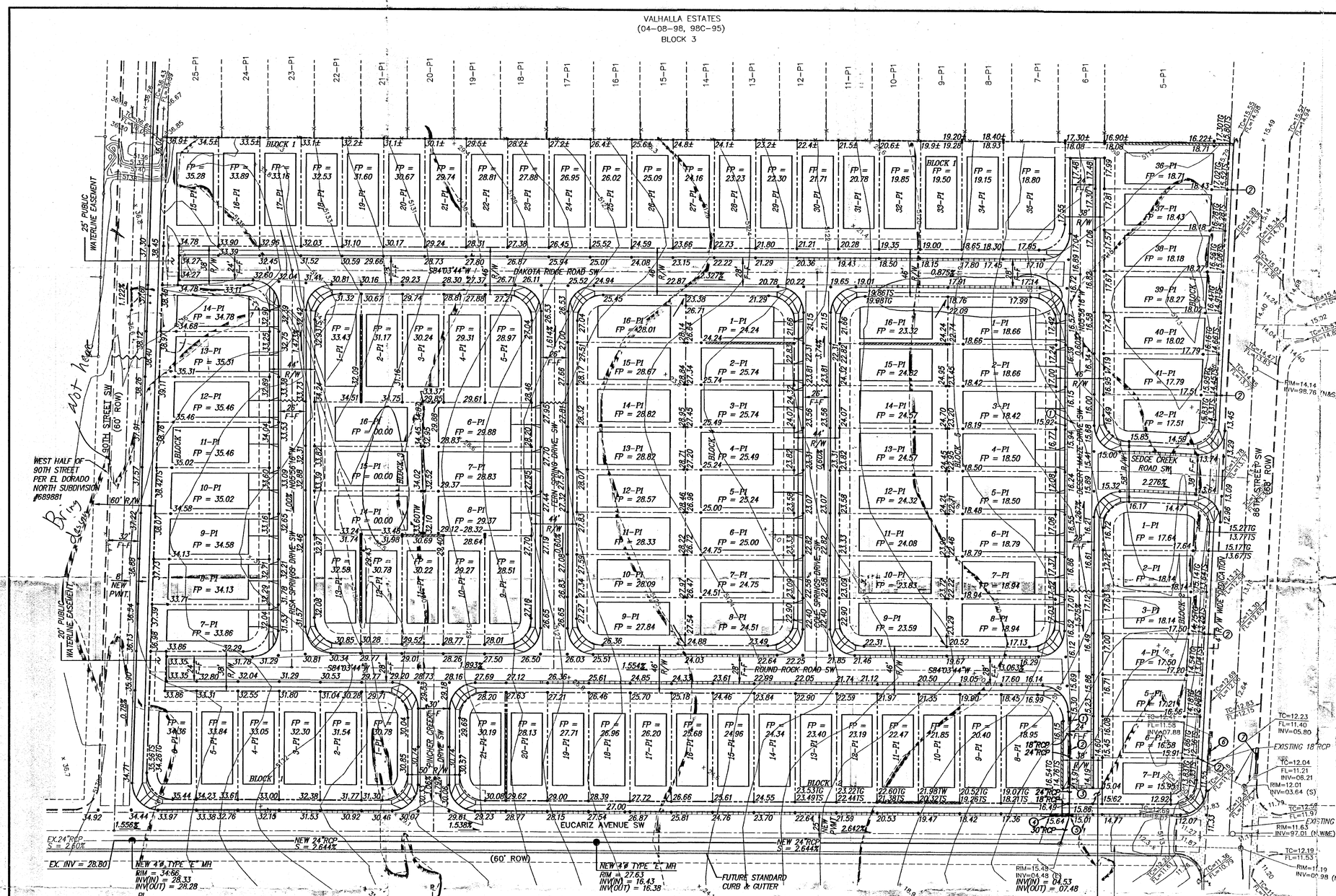
DESERT PINE - UNIT 4
GRADING AND DRAINAGE PLAN

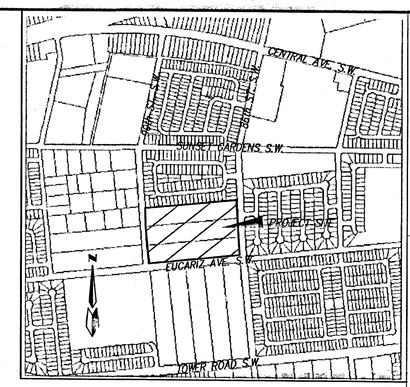
REGISTERED MAR 07 2003 HYDROLOGY SECTION

HYDROLOGY SECTION	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
	L-9-Z		

VALHALLA ESTATES
(04-08-98, 98C-95)
BLOCK 3





LOCATION MAP

ZONE ATLAS L-9-Z

SCALE: NONE

KEYED NOTES

1. 10' WIDE CONCRETE VALLEY GUTTER PER COA DETAIL 2422.
2. FOR LOTS ALONG 86th STREET, TURN 1 BLOCK OF WALL AT LOWEST EASTERN CORNER SO BACKYARD CAN DRAIN.

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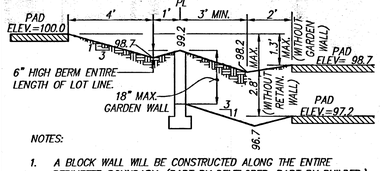
LEGEND

× 6289.4	EXISTING SPOT ELEVATION
	PROPERTY LINE
	FLOW DIRECTION
97.50	NEW SPOT ELEVATION
	NEW SWALE
98.00 TW 95.60 TG	TOP OF WALL ELEVATION TOP OF GRADE ELEVATION
	NEW MOUNTABLE CURB & GUTTER
	NEW STANDARD CURB & GUTTER
(9)	CONSTRUCTION NOTE
FP = 98.80	FINISH PAD ELEVATION
	NEW SIDEWALK CULVERT
	NEW BASIN BOUNDRY
	PROPOSED HIGH POINT
	PROPOSED RETAINING WALL



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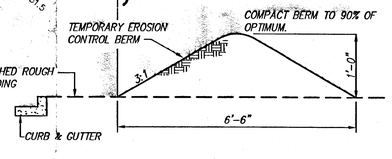

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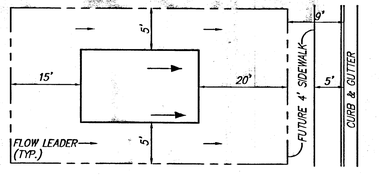

TYPICAL LOT LAYOUT PLAN

N.T.S.

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4. NEW DBL TYPE "A" INLET TG= 16.04 INV.= 07.89
5. NEW DBL TYPE "C" INLET TG= 15.64 INV.= 07.74
6. NEW DBL TYPE "C" INLET TG= 11.51 INV.= 06.76
7. NEW SGL TYPE "A" INLET TG= 11.51 INV.= 06.36

50' 25' 0 50' 100'

SCALE: 1" = 50'

A2108CP\A2108gd\12-27-02\ MJR NHE ACH

F:\A02JOBS\A2108CP\A2108gd.dwg Mon Dec 30 10:40:09 2002 D: MARK GOODWIN & ASSOCIATES, PLTTED BY: ACH

SURVEY INFORMATION

NO.	BY	DATE	FIELD NOTES

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	DATE
CONTRACTOR WORKS BY	
INSPECTOR'S CHANGE BY	
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	
RECORDED BY	
NO.	

MICRO-FILM INFORMATION

ENGINEER'S SEAL

ALBERT J. DRISCOLL JR. NEW MEXICO 5334 LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

		DATE
DESIGN		
DESIGNED BY	ALD	11/02
DRAWN BY	MJR	11/02
CHECKED BY	DMG	11/02

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PUBLIC WORKS DEPARTMENT

TITLE:

DESERT PINE - UNIT 4
GRADING AND DRAINAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
RECEIVED DEC 31 2002 HYDROLOGY SECTION				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
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