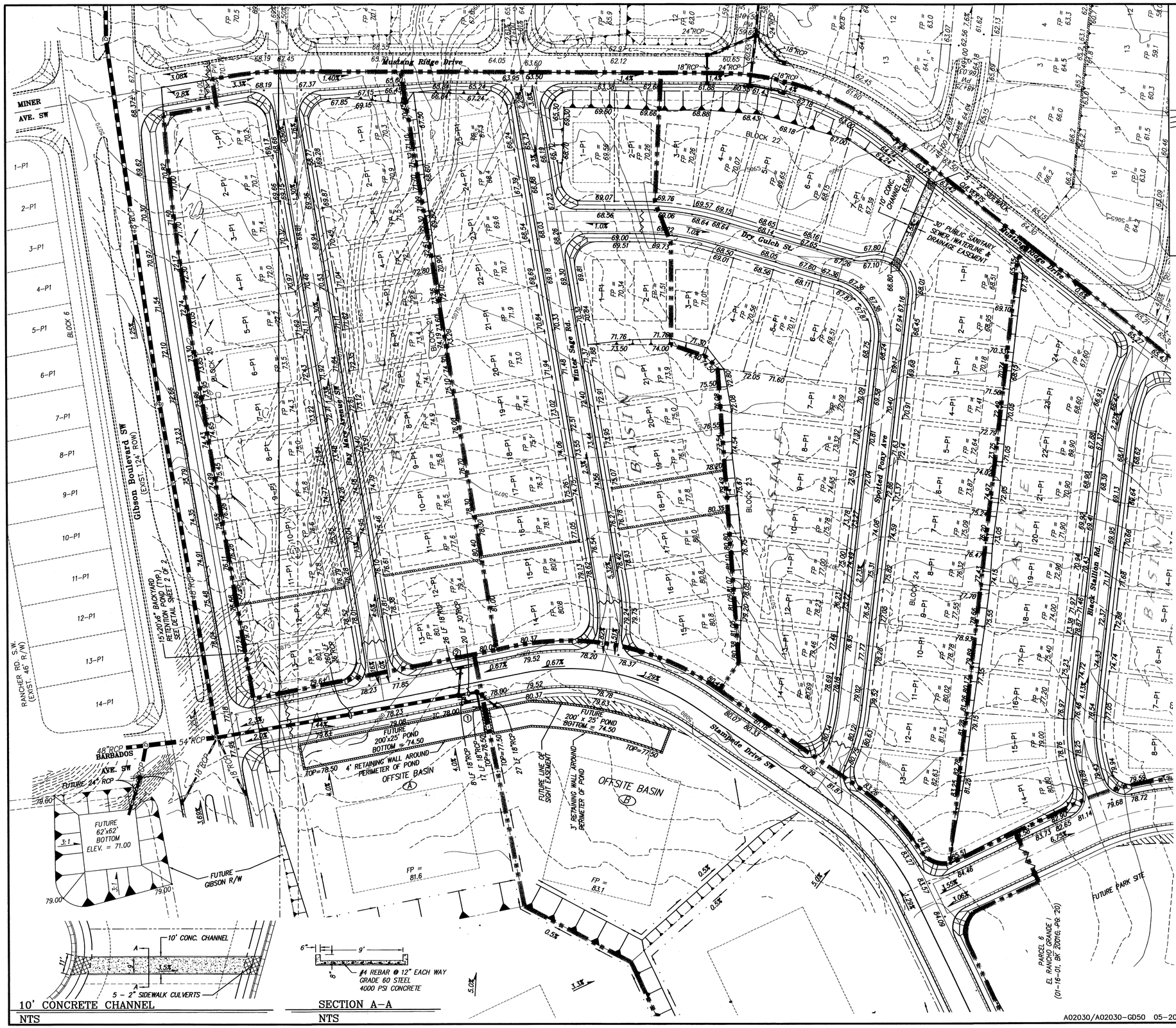
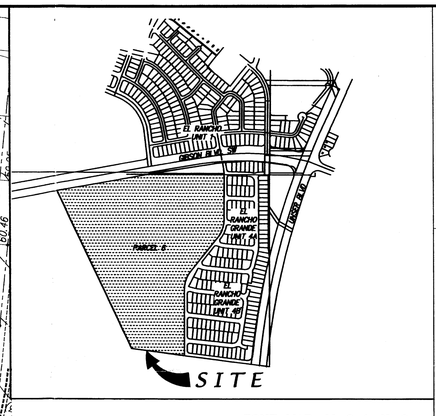




ZONE MAP: M-9 & N-9

NTS

LEGEND

5115	EXISTING CONTOUR (MAJOR)
5116	EXISTING CONTOUR (MINOR)
x 00.00	EXISTING SPOT ELEVATION
• 14.50	NEW SPOT ELEVATION
	NEW MOUNTABLE CURB AND GUTTER
	NEW STANDARD CURB AND GUTTER
	NEW DEPRESSED MOUNTABLE CURB & GUTTER
	EXISTING CONCRETE CURB AND GUTTER
	EXISTING CONCRETE/SIDEWALK
	EXISTING WALL OR HEAD WALL
FP =	FINISHED PAD ELEVATION
	DRAINAGE BASIN BOUNDARY
	PROPERTY LINE
	PROPOSED SWALE
	EXISTING SANITARY SEWER MANHOLE
48"RCP	EXISTING STORM SEWER
48"RCP	PROPOSED STORM SEWER
	NEW RETAINING WALL
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
	EXISTING TELEPHONE PEDESTAL
	EXISTING CABLE T.V. PEDESTAL
	EXISTING UNDERGROUND GAS MARKER
	PROPOSED WATERBLOCK

50' 25' 0 50' 100'

SCALE: 1" = 50'

APPROVED ROUGH GRADING ±18" _____

CITY HYDROLOGY

10' CONCRETE CHANNEL

NTS

SECTION A-A

NTS

A02030/A02030-GD50 05-20-02 NHE

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.	

BENCH MARKS

STATION "TRANS" IS LOCATED 6 MI. SOUTHWEST OF DOWNTOWN ALBUQUERQUE, IN THE R.O.W. OF A PLAINS ELECTRIC CO-OP TRANSMISSION LINE. TO REACH STATION FROM INTERSECTION OF CENTRAL AVE. & 98TH. ST. SW, GO SOUTH ON 98TH. ST. 1.2 MI. TO JUNCTION WITH GIBSON BLVD. & SNOW VISTA BLVD., THEN SOUTHEAST ALONG SNOW VISTA AND CO-OP ELECTRIC TRANSMISSION LINE 0.85 MI. TO PYLON NUMBERED "52". STATION IS JUST EAST OF THIS POINT.

X = 354,899.45, Y = 1,471,822.67, C-G = 0.99967921(NAD 1927)

"7-H9" LOCATED ON SW COR. OF 98th & SUSE. NAVD 29 EL. = 5147.87

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY	DATE
		REVISIONS		

DESIGNED BY GJK 04/02

DRAWN BY NHE 04/02

CHECKED BY DMG 04/02

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

RECEIVED MAY 21 2002 HYDROLOGY SECTION

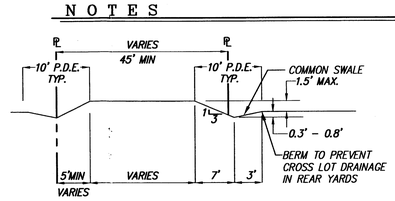
TITLE:

EL RANCHO GRANDE I - UNIT 6
GRADING & DRAINAGE PLAN

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

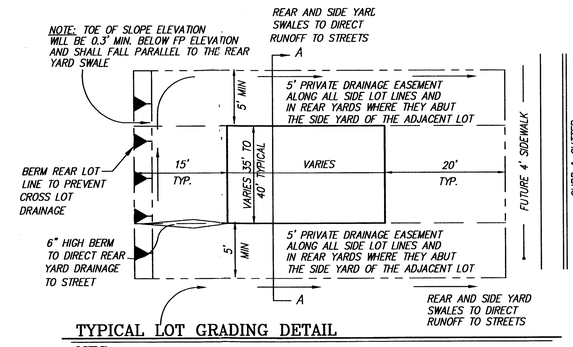
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
	M9 & M10	1	2

NOTES



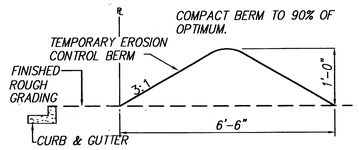
SECTION A–A

NTS



TYPICAL LOT GRADING DETAIL

NTS



EROSION CONTROL BERM DETAIL

N.T.S.

EROSION CONTROL NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION LATEST EDITION, SHALL GOVERN ALL WORK.
3. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS, AND SHALL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DETAIL, THIS SHEET AND BY WETTING THE SOIL TO KEEP IT FROM BLOWING. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
5. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
6. ALL STREET ELEVATIONS SHOWN ARE FINISHED FLOW LINE ELEVATIONS.

50' 25' 0 50' 100'

SCALE: 1" = 50'

BACKYARD RETENTION POND DETAIL

NTS

SECTION A–A

NTS

A02030/A02030-GD50 05-20-02 NHE

AS BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
STAKING ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

STATION "TRANS" IS LOCATED 8 MI. SOUTHWEST OF DOWNTOWN ALBUQUERQUE, IN THE R.O.W. OF A. PLAINS ELECTRIC CO-OP TRANSMISSION LINE. TO REACH STATION FROM INTERSECTION OF CENTRAL AVE. & 98TH ST. SW, GO SOUTH ON 98TH ST. 1.2 MI. TO JUNCTION WITH GIBSON BLVD. & SNOW VISTA BLVD., THEN SOUTHEAST ALONG SNOW VISTA AND CO-OP ELECTRIC TRANSMISSION LINE 0.85 MI. TO PYLON NUMBERED "62". STATION IS JUST EAST OF THIS POINT.

X = 354,899.45, Y = 1,471,822.67, G-G = 0.9996792(NAD 1927)

"-10" LOCATED ON SW COR. OF 98th & SAGE. NAVD 29 El. = 5147.87

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REMARKS

REVISIONS

NO.	DATE	BY

		DATE
DESIGNED BY	GJK	04/02
DRAWN BY	NHE	04/02
CHECKED BY	DMG	04/02

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

RECEIVED MAY 21 2002 HYDROLOGY SECTION

TITLE: EL RANCHO GRANDE I - GRADING & 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
	M9 & M10	2	2

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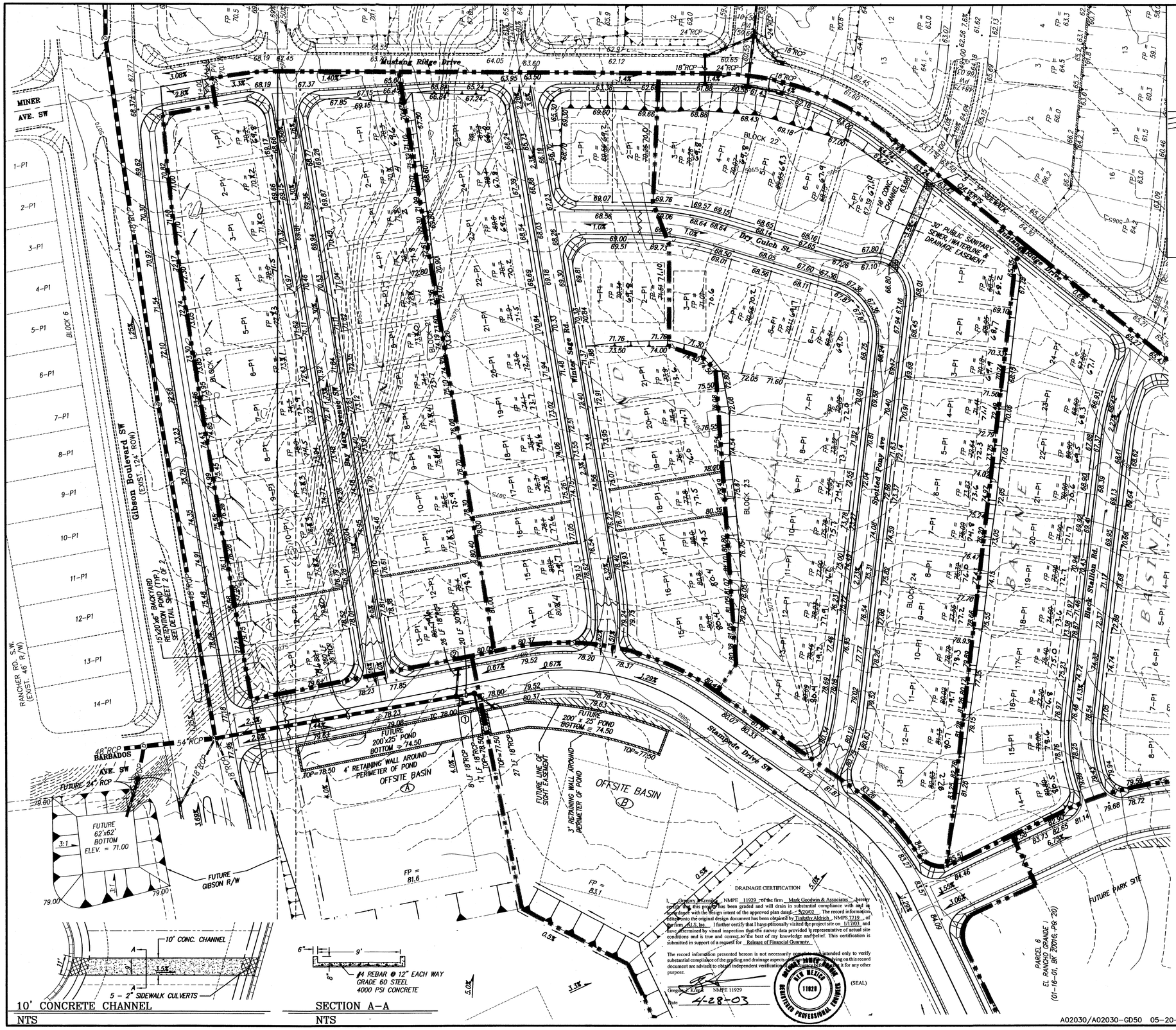
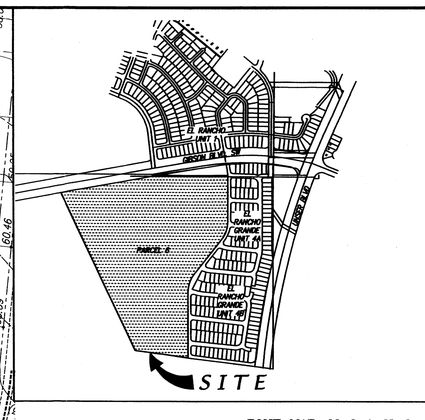
Mark Goodwin & Associates Plotted by NHE





ZONE MAP: M-9 & N-9

NTS

LEGEND

- 5115 — EXISTING CONTOUR (MAJOR)
- 5116 — EXISTING CONTOUR (MINOR)
- x 00.00 — EXISTING SPOT ELEVATION
- ~~14.50~~ AS-BUILT 19.6 — NEW SPOT ELEVATION
- NEW MOUNTABLE CURB AND GUTTER
- NEW STANDARD CURB AND GUTTER
- NEW DEPRESSED MOUNTABLE CURB & GUTTER
- EXISTING CONCRETE CURB AND GUTTER
- EXISTING CONCRETE/SIDEWALK
- EXISTING WALL OR HEAD WALL
- FP = 74.8 AS-BUILT — FINISHED PAD ELEVATION
- DRAINAGE BASIN BOUNDARY
- PROPERTY LINE
- PROPOSED SWALE
- EXISTING SANITARY SEWER MANHOLE
- 48"RCP — EXISTING STORM SEWER
- 48"RCP — PROPOSED STORM SEWER
- NEW RETAINING WALL
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING TELEPHONE PEDESTAL
- EXISTING CABLE T.V. PEDESTAL
- EXISTING UNDERGROUND GAS MARKER
- PROPOSED WATERBLOCK

50' 25' 0 50' 100'

SCALE: 1" = 50'

APPROVED ROUGH GRADING ±18" Brad S. Bujon 5/29/02
CITY HYDROLOGY

DRAINAGE CERTIFICATION

I, Gregory J. Kepes, NMPE 11929 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 - 5/20/02 . The record information entered onto the original design document has been obtained by Timothy Aldrich NMPS 7719 of the firm ALS, Inc. I further certify that I have personally visited the project site on 1/17/03 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 Guaranty.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects outlined in the approved plan. Relying on this record document are advised to obtain independent verification of its accuracy or suitability for any other purpose.

Gregory J. Kepes NMPE 11929 (SEAL)

Date 4-28-03

NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 11929

A02030/A02030-GD50 05-20-02 NHE

10' CONCRETE CHANNEL

NTS

SECTION A-A

NTS

SURVEY INFORMATION			
FIELD NOTES			
NO.	BY	DATE	STATION "TRANS" IS LOCATED 6 MI. SOUTHWEST OF DOWNTOWN ALBUQUERQUE, IN THE R.O.W. OF A PLAINS ELECTRIC CO-OP TRANSMISSION LINE. TO REACH STATION FROM INTERSECTION OF CENTRAL AVE. & 98TH ST. SW, GO SOUTH ON 98TH ST. 1.2 MI. TO JUNCTION WITH GIBSON BLVD. & SNOW VISTA BLVD., THEN SOUTHEAST ALONG SNOW VISTA AND CO-OP ELECTRIC TRANSMISSION LINE 0.85 MI. TO PYLON NUMBERED "52". STATION IS JUST EAST OF THIS POINT. X = 354,899.45, Y = 1,471,822.67, C-G = 0.99967921(NAD 1927) "7-H5" LOCATED ON SW COR. OF 98th & SUGE. NAVD 29 EL. = 5141.87

BENCH MARKS	

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

ENGINEER'S SEAL

NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 11929 GREGORY J. KEPES 5-20-02

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY	GJK	DATE 04/02
DRAWN BY	NHE	DATE 04/02
CHECKED BY	DMG	DATE 04/02

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

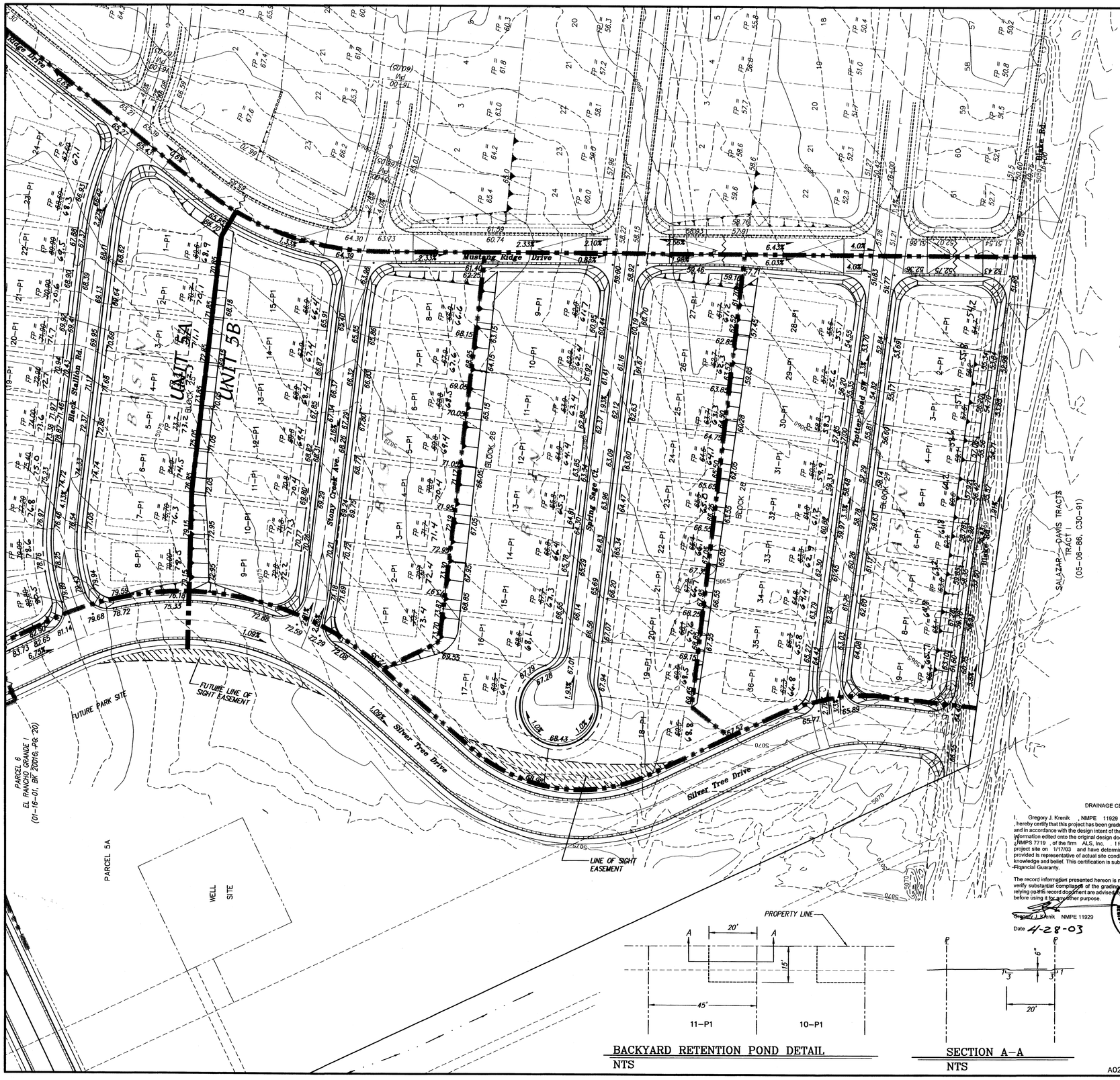
RECEIVED APR 28 2003 HYDROLOGY SECTION

TITLE:

EL RANCHO GRANDE I - UNIT 5 GRADING & 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
	M9 & M10	1	2



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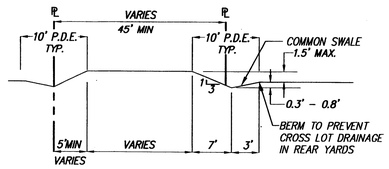
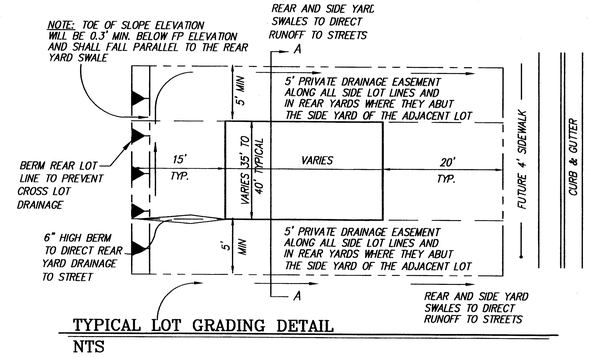


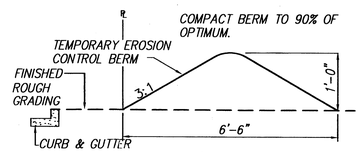
SECTION A-A

NTS



TYPICAL LOT GRADING DETAIL

NTS



EROSION CONTROL BERM DETAIL

N.T.S.

EROSION CONTROL NOTES

1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
2. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION LATEST EDITION, SHALL GOVERN ALL WORK.
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4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DETAIL, THIS SHEET AND BY WETTING THE SOIL TO KEEP IT FROM BLOWING. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
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6. ALL STREET ELEVATIONS SHOWN ARE FINISHED FLOW LINE ELEVATIONS.

DRAINAGE CERTIFICATION

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

Gregory J. Krenik NMPE 11929 (SEAL)

Date 4-28-03

NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 11929

BACKYARD RETENTION POND DETAIL

NTS

SECTION A-A

NTS

A02030/A02030-GD50 05-20-02 NHE

50' 25' 0 50' 100'

SCALE: 1" = 50'

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.	

BENCH MARKS

STATION "TRANS" IS LOCATED 6 MI. SOUTHWEST OF DOWNTOWN ALBUQUERQUE, IN THE R.O.W. OF A PLAINS ELECTRIC CO-OP TRANSMISSION LINE. TO REACH STATION FROM INTERSECTION OF CENTRAL AVE. & 98TH ST. SW, GO SOUTH ON 98TH ST. 1.2 MI. TO JUNCTION WITH GIBSON BLVD. & SNOW VISTA BLVD., THEN SOUTHEAST ALONG SNOW VISTA AND CO-OP ELECTRIC TRANSMISSION LINE 0.85 MI. TO PYLON NUMBERED "52". STATION IS JUST EAST OF THIS POINT.
X = 354,899.45, Y = 1,471,822.67, G-G = 0.99967921(NAD 1927)
"-H9" LOCATED ON SW COR. OF 98th & SAGE. NAVD 28 EL. = 5147.87

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REMARKS

REVISIONS

NO.	DATE	BY

		DATE
DESIGN		04/02
DESIGNED BY	GJK	04/02
DRAWN BY	NHE	04/02
CHECKED BY	DMG	04/02

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

APR 28 2003
HYDROLOGY SECTION

TITLE:

EL RANCHO GRANDE I - UNIT 5 GRADING & 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
	M9 & M10	2	2