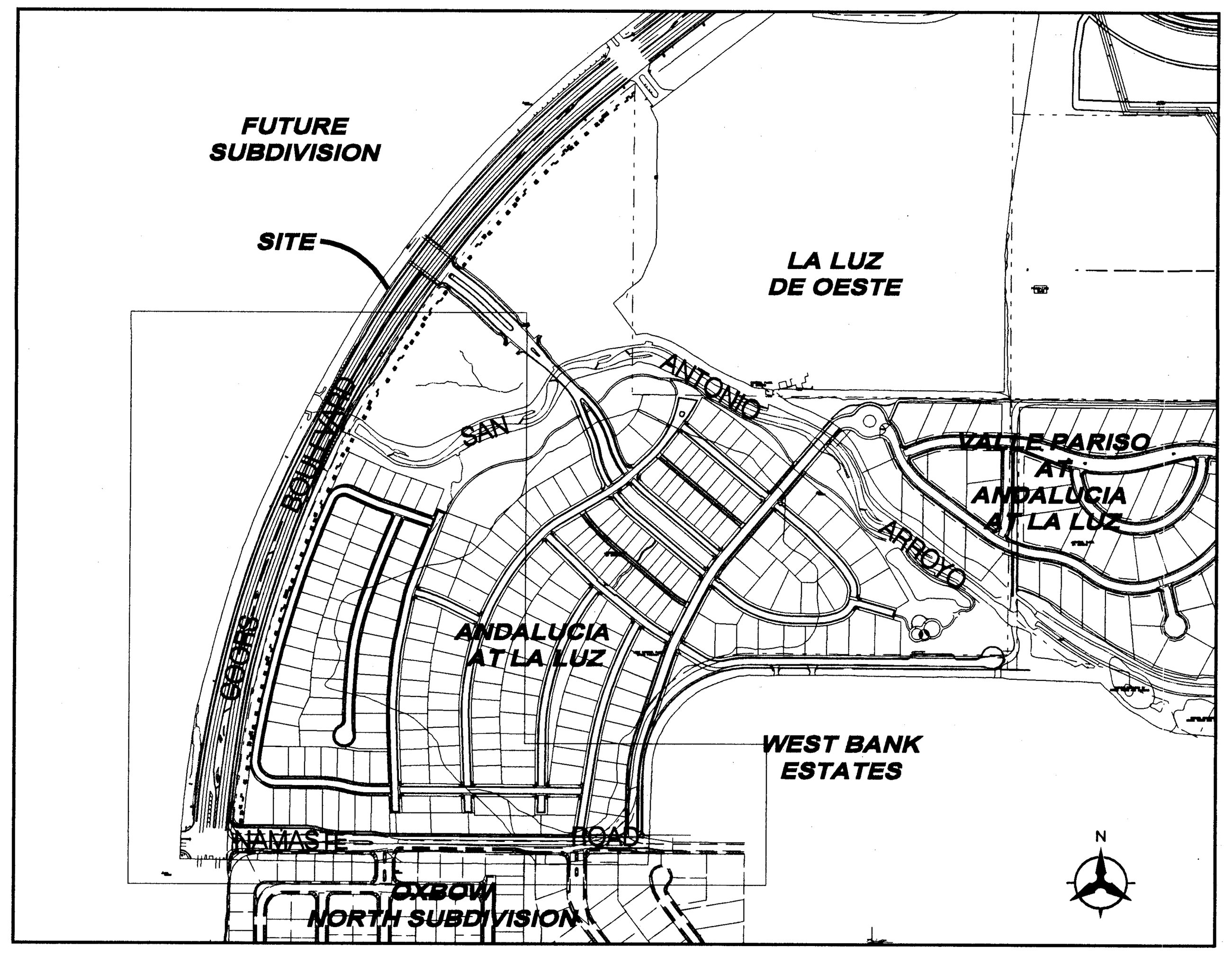


LOCATION MAP

ZONE ATLAS MAP NO. F-11-Z
NOT TO SCALE

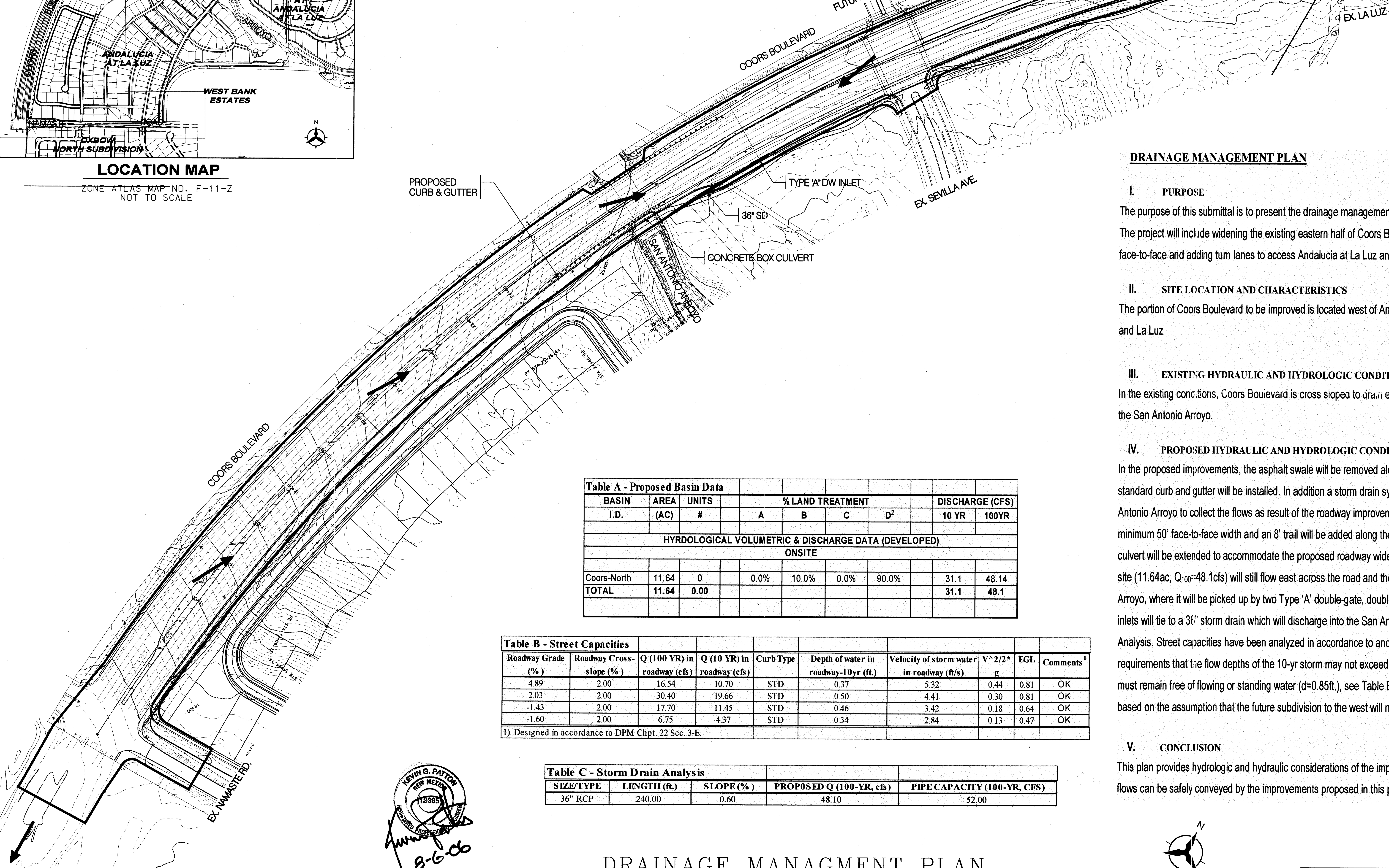


Table A - Proposed Basin Data										
BASIN	AREA	UNITS		% LAND TREATMENT					DISCHARGE (CFS)	
I.D.	(AC)	#		A	B	C	D^2		10 YR	100YR
HYRDOLOGICAL VOLUMETRIC & DISCHARGE DATA (DEVELOPED)										
ONSITE										
Coors-North	11.64	0		0.0%	10.0%	0.0%	90.0%		31.1	48.14
TOTAL	11.64	0.00							31.1	48.1

Table B - Street Capacities									
Roadway Grade (%)	Roadway Cross-slope (%)	Q (100 YR) in roadway (cfs)	Q (10 YR) in roadway (cfs)	Curb Type	Depth of water in roadway-10yr (ft.)	Velocity of storm water in roadway (ft/s)	V^2/2*g	EGL	Comments[1]
4.89	2.00	16.54	10.70	STD	0.37	5.32	0.44	0.81	OK
2.03	2.00	30.40	19.66	STD	0.50	4.41	0.30	0.81	OK
-1.43	2.00	17.70	11.45	STD	0.46	3.42	0.18	0.64	OK
-1.60	2.00	6.75	4.37	STD	0.34	2.84	0.13	0.47	OK
1). Designed in accordance to DPM Chpt. 22 Sec. 3-E.									

Table C - Storm Drain Analysis				
SIZE/TYPE	LENGTH (ft.)	SLOPE (%)	PROPOSED Q (100-YR, cfs)	PIPE CAPACITY (100-YR, CFS)
36" RCP	240.00	0.60	48.10	52.00

KEVIN G. PATTON NEW MEXICO 12665 REGISTERED PROFESSIONAL ENGINEER

8-6-06

DRAINAGE MANAGEMENT PLAN

I. PURPOSE

The purpose of this submittal is to present the drainage management plan for Coors Boulevard Improvements. The project will include widening the existing eastern half of Coors Boulevard along Andalucia at La Luz to 50' face-to-face and adding turn lanes to access Andalucia at La Luz and a future subdivision to the west.

II. SITE LOCATION AND CHARACTERISTICS

The portion of Coors Boulevard to be improved is located west of Andalucia at La Luz between Namaste Road and La Luz

III. EXISTING HYDRAULIC AND HYDROLOGIC CONDITIONS

In the existing conditions, Coors Boulevard is cross sloped to drain east to an asphalt swale and rundown into the San Antonio Arroyo.

IV. PROPOSED HYDRAULIC AND HYDROLOGIC CONDITIONS

In the proposed improvements, the asphalt swale will be removed along the east side of Coors Blvd. and standard curb and gutter will be installed. In addition a storm drain system will be added just north of the San Antonio Arroyo to collect the flows as result of the roadway improvements. The roadway will be widened to a minimum 50' face-to-face width and an 8' trail will be added along the east side. The existing concrete box culvert will be extended to accommodate the proposed roadway widening and trail. Runoff generated by the site (11.64ac, Q_{100}=48.1cfs) will still flow east across the road and then to a low point north of the San Antonio Arroyo, where it will be picked up by two Type 'A' double-gate, double-wing inlets in a sump condition. The inlets will tie to a 36" storm drain which will discharge into the San Antonio Arroyo, see Table C for Storm Drain Analysis. Street capacities have been analyzed in accordance to and are in compliance with the DPM requirements that the flow depths of the 10-yr storm may not exceed 0.5 feet and one twelve foot driving lane must remain free of flowing or standing water (d=0.85ft.), see Table B for more information. This design is based on the assumption that the future subdivision to the west will not drain to Coors Boulevard.

V. CONCLUSION

This plan provides hydrologic and hydraulic considerations of the improvements of Coors Boulevard. These flows can be safely conveyed by the improvements proposed in this plan to the existing San Antonio Arroyo,

RECEIVED AUG 11 2006 HYDROLOGY SECTION

N

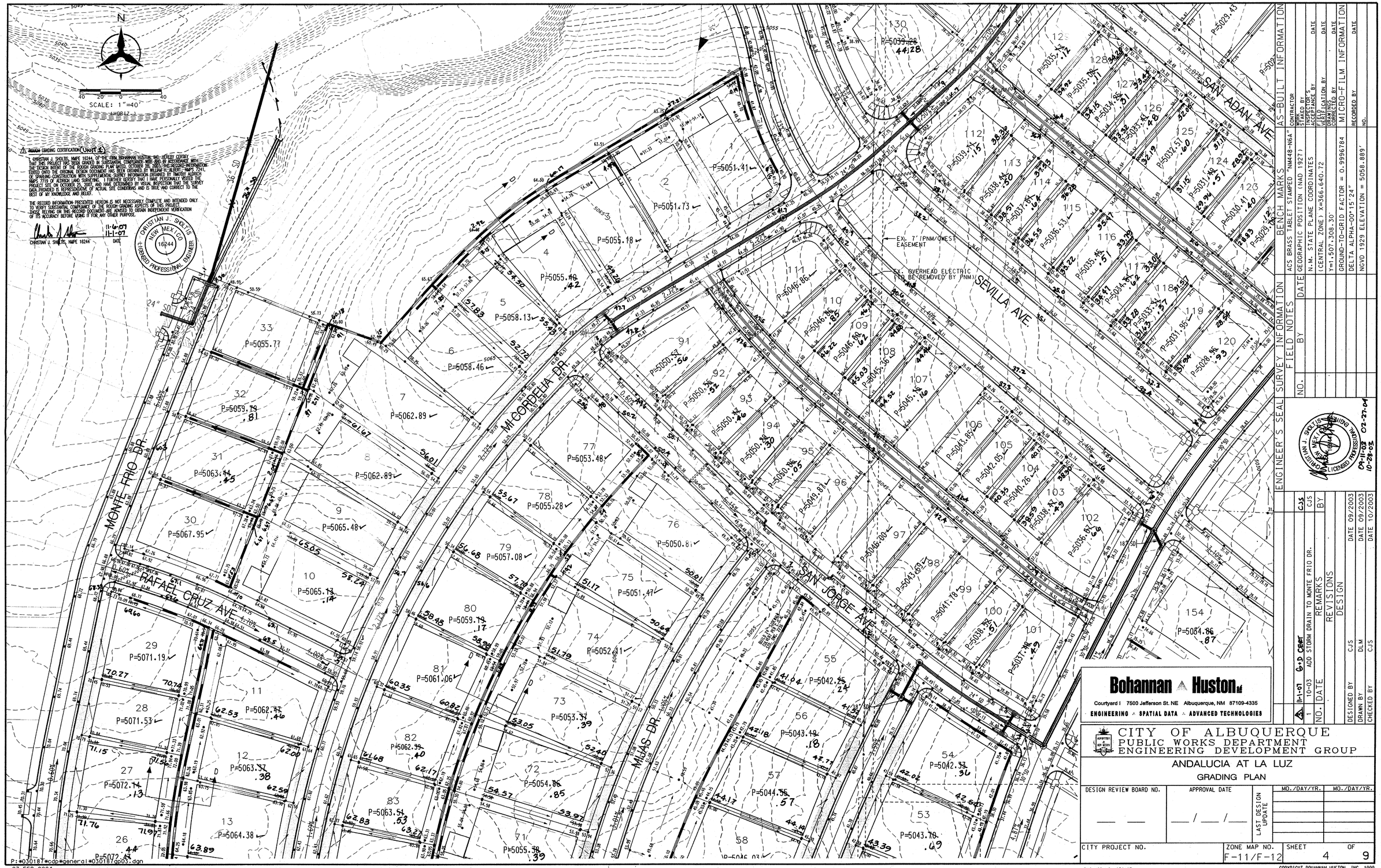
100 50 0 100
SCALE: 1"=100' (HORIZ.)

DRAINAGE MANAGMENT PLAN
COORS BOULEVARD IMPROVEMENTS

ALBUQUERQUE, NEW MEXICO
SEPTEMBER, 2005

Bohannan ▲ Huston Inc.
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

BHI JOB NO. 040013 003



⚠ DESIGN GRADING CERTIFICATION (UNIT 6)

I, CHRISTIAN J. SHOLTIS, NMPE 16244, OF THE FIRM BOHANNAN HUSTON, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE ROUGH GRADING PLAN DATED OCTOBER 26, 2001. THE ASBUILT INFORMATION THE DESIGN INTENT OF THE ROUGH GRADING PLAN DATED OCTOBER 26, 2001. THE ASBUILT INFORMATION THE DESIGN INTENT OF THE ROUGH GRADING PLAN HAS BEEN OBTAINED BY WILLIAM "AL" ALBERT - NMPS 7241, ENTERED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY TIMOTHY ALDRICH OF SPARLING-CONSTRUCTION WITH SUPPLEMENTAL SURVEY INFORMATION OBTAINED BY TIMOTHY ALDRICH NMPS 7719 OF ALDRICH LAND SURVEYING. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON OCTOBER 25, 2007, 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.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE ROUGH-GRADING 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.

11-6-07
11-1-07
CHRISTIAN J. SHOLTIS, NMPE 16244 DATE

CHRISTIAN J. SHOLTIS NEW MEXICO 16244 REGISTERED PROFESSIONAL ENGINEER

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

AS-BUILT INFORMATION

BENCH MARKS

ACS BRASS TABLE' STAMPED "NM448-N6A"
GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
(CENTRAL ZONE) X=366,640.72
Y=1,507,308.30'
GROUND-TO-GRID FACTOR = 0.9996784
DELTA ALPHA=00°15'24"
NGVD 1929 ELEVATION = 5058.889'

CONTRACTOR
STAKED BY
INSPECTOR'S
FIELD CHANGE BY DATE
FIELD LOCATION BY
VERIFICATION BY
CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

ENGINEER'S SEAL

CHRISTIAN J. SHOLTIS NEW MEXICO 16244 REGISTERED PROFESSIONAL ENGINEER
11-1-07 G.D Ceer ADD STORM DRAIN TO MONTE FRIO DR. CJS
1 10-03 REMARKS CJS
NO. DATE REVISIONS BY
DESIGN
DESIGNED BY CJS DATE 09/2003
DRAWN BY DLM DATE 09/2003
CHECKED BY CJS DATE 10/2003

03-27-04
04-19-03
10-28-03

Bohannan Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

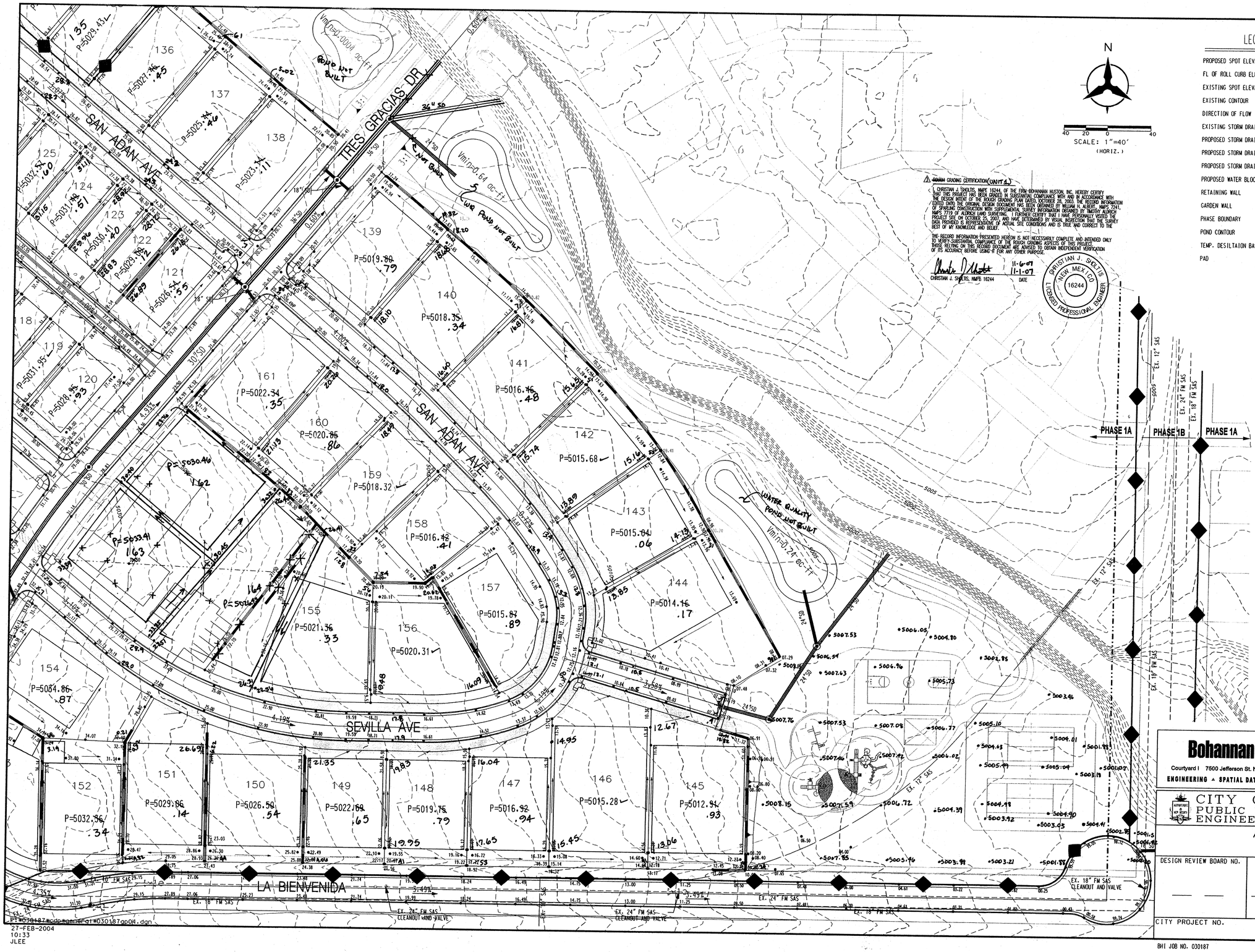
ANDALUCIA AT LA LUZ
GRADING PLAN

DESIGN REVIEW BOARD NO.	APPROVAL DATE	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
___ ___	___/___/___			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
	F-11/F-12	4	9

P:\030187\cdp\general\030187gp03.dgn
27-FEB-2004
10:32
JLEE

BHI JOB NO. 030187



N

SCALE: 1"=40'
(HORIZ.)

40 20 0 40

LEGEND

PROPOSED SPOT ELEVATION	• 5235.25
FL OF ROLL CURB ELEVATION	• 5235.25
EXISTING SPOT ELEVATION	5235.25
EXISTING CONTOUR	
DIRECTION OF FLOW	
EXISTING STORM DRAIN LINE	SD
PROPOSED STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	
PROPOSED STORM DRAIN MANHOLE	
PROPOSED WATER BLOCK	
RETAINING WALL	
GARDEN WALL	
PHASE BOUNDARY	
POND CONTOUR	
TEMP. DESILTAION BASIN	
PAD	

~~ROUGH~~ GRADING CERTIFICATION(UNIT 4)

I, CHRISTIAN J. SHULTIS, NMPE 16244, OF THE FIRM-BOHANNAN HUSTON, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE ROUGH GRADING PLAN DATED OCTOBER 29, 2003. THE RECORD INFORMATION CONTAINED WITHIN THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY WILLIAM H. ALBERT, NMPS 7241, OF SPARLING CONSTRUCTION WITH SUPPLEMENTAL SURVEY INFORMATION OBTAINED BY TIMOTHY ALDRICH NMPS 7719 OF ALDRICH LAND SURVEYING. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON OCTOBER 25, 2007, 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.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE ROUGH GRADING ASPECTS OF THIS PROJECT. USERS RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

CHRISTIAN J. SHULTIS, NMPE 16244 — 11-6-07 / 11-1-07 DATE

CHRISTIAN J. SHULTIS NEW MEXICO 16244 REGISTERED PROFESSIONAL ENGINEER

Bohannan ▲ Huston

Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335

ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

NO.	DATE	BY	REVISIONS	DESIGNED BY	CJS	DATE 09/2003
			DESIGN	DRAWN BY	DLM	DATE 09/2003
1	11-1-07	GJD	REMARKS	CHECKED BY	CJS	DATE 10/2003

ENGINEER'S SEAL: CHRISTIAN J. SHULTIS NEW MEXICO 16244 REGISTERED PROFESSIONAL ENGINEER — 09-11-03 / 10-28-03

SURVEY INFORMATION

BENCH MARKS — AS-BUILT INFORMATION

ACS BRASS TABLET STAMPED "NM448-N6A" — CONTRACTOR STAKED BY

FIELD NOTES

NO.	BY	DATE

GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
(CENTRAL ZONE) X=566,640.72
Y=1,507,308.30

INSPECTOR'S ACCEPTANCE BY — DATE
FIELD LOCATION BY — DATE
VERIFICATION BY
CORRECTED BY — DATE

GROUND-TO-GRID FACTOR = 0.9996784
DELTA ALPHA=00°15'24"
NGVD 1929 ELEVATION = 5058.889'

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ANDALUCIA AT LA LUZ

GRADING PLAN

DESIGN REVIEW BOARD NO.	APPROVAL DATE	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
— —	— / — / —			

CITY PROJECT NO.

ZONE MAP NO. F-11/F-12

SHEET 5 OF 9

BHI JOB NO. 030187

P:\030187\cdp\gen8f-gt\030187gp04.dgn
27-FEB-2004
10:33
JLEE

N

SCALE: 1"=40'
(HORIZ.)

SECTION D-D
NOT TO SCALE

~~ROUGH~~ GRADING CERTIFICATION (UNIT 4)

I, CHRISTIAN J. SHOLTIS, NMPE 16244, OF THE FIRM BOHANNAN HUSTON, INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE ROUGH GRADING PLAN DATED, OCTOBER 28, 2003. THE RECORD INFORMATION CONTAINED WITHIN THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY WILLIAM P. ALBERTI, NMPS 7241, OF SURVELING CONSTRUCTION WITH SUPPLEMENTAL SURVEY INFORMATION OBTAINED BY TIMOTHY ALDRICH NMPS 7719 OF ALDRICH LAND SURVEYING. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON OCTOBER 25, 2007, 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.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE, AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE ROUGH GRADING 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.

CHRISTIAN J. SHOLTIS, NMPE 16244 — 11-6-07 / 11-1-07 DATE

CHRISTIAN J. SHOLTIS NEW MEXICO 16244 LICENSED PROFESSIONAL ENGINEER

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS — AS-BUILT INFORMATION

ACS BRASS TABLET STAMPED "NM448-N6A"
GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
(CENTRAL ZONE) X=366,640.72
Y=1,507,308.30
GROUND-TO-GRID FACTOR = 0.9996784
DELTA ALPHA=00°15'24"
NGVD 1929 ELEVATION = 5058.889'

CONTRACTOR
STAKED BY
INSPECTIONS
AS-BUILTS BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

CHRISTIAN J. SHOLTIS NEW MEXICO 16244 LICENSED PROFESSIONAL ENGINEER
09-11-03
10-23-03
02-27-04

NO.	DATE	REMARKS	BY
1	10-03	REVISED GRADING OF LOTS 130, 131, & 132	CJS
1	11-1-07	GID CERT	CJS

DESIGNED BY — CJS — DATE 09/2003
DRAWN BY — DLM — DATE 09/2003
CHECKED BY — CJS — DATE 10/2003

Bohannan ▲ Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ANDALUCIA AT LA LUZ
GRADING PLAN

DESIGN REVIEW BOARD NO.	APPROVAL DATE	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
___ ___	___/___/___			

CITY PROJECT NO. | ZONE MAP NO. F-11/F-12 | SHEET 6 OF 9

P:\030187\cdp\general\030187gp05.dgn
27-FEB-2004
10:36
JLEE

BHI JOB NO. 030187

NOTES:
1. PHASE 1B GRADING SHALL BE PERFORMED AT THE TIME OF INFRASTRUCTURE CONSTRUCTION WHEN THE EXISTING SANITARY SEWER AND SANITARY SEWER FORCE MAINS HAVE BEEN RELOCATED/REMOVED. THIS SHALL BE COORDINATED w/ INFRASTRUCTURE CONTRACTOR
2. SEE SHEETS 8A AND 9A FOR MASS GRADING PLAN.

SHEET 6

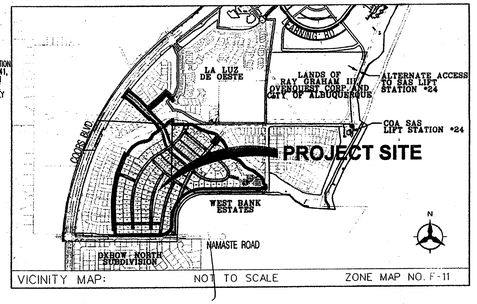
~~ROUGH~~ GRADING CERTIFICATION (UNIT 1)

I, CHRISTIAN J. SHOLTIS, NMPE 16244, OF THE FIRM BOHANNAN HUSTON, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE ROUGH GRADING PLAN DATED, OCTOBER 28, 2003. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY WILLIAM H. ALBERT, NMPS 7241, OF GRADING CONSTRUCTION WITH SUPPLEMENTAL SURVEY INFORMATION OBTAINED BY TIMOTHY ALDRICH, NMPS 7719 OF ALDRICH LAND SURVEYING. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON OCTOBER 25, 2007 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.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE ROUGH GRADING 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.

CHRISTIAN J. SHOLTIS, NMPE 16244 — 11-6-07 / 11-1-07 DATE

CHRISTIAN J. SHOLTIS — NEW MEXICO — 16244 — LICENSED PROFESSIONAL ENGINEER



VICINITY MAP: NOT TO SCALE ZONE MAP NO. F-11

Brad L. Bohn 8/3/04
APPROVED FOR ROUGH GRADING DATE
Sheets 1-9

Bohannan ▲ Huston Inc.
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ANDALUCIA AT LA LUZ
OVERALL GRADING PLAN

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

CITY PROJECT NO. | ZONE MAP NO. E-11/F-12 | SHEET 1 OF 9

BHI JOB NO. 030187

AS-BUILT INFORMATION

BENCH MARKS
ACS BRASS TABLET STAMPED "NM448-N6A"
GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
(CENTRAL ZONE) X=366,640.72
Y=1,507,308.30
GROUND-TO-GRID FACTOR = 0.9996784
DELTA ALPHA=00°15'24"
NGVD 1929 ELEVATION = 5058.889'

CONTRACTOR
WORK PERFORMED BY
INSPECTOR'S ACCEPTANCE BY DATE
CERTIFICATION BY DATE
DRAWING PREPARED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

FIELD NOTES
NO.	BY	DATE

ENGINEER'S SEAL SURVEY INFORMATION

CHRISTIAN J. SHOLTIS — NEW MEXICO — 16244 — LICENSED PROFESSIONAL ENGINEER
01-11-07 02-21-04 10-28-03

NO.	DATE	REMARKS	BY
1	10-03	SHEETS 4 AND 6	CJS
2	02-04	LABEL EXISTING UTILITIES; PHASE LINE	CJS
⚠3	11-1-07	G&D cert	CJS

REVISIONS
DESIGN
DESIGNED BY CJS DATE 09/2003
DRAWN BY DLM DATE 09/2003
CHECKED BY CJS DATE 10/2003

P:\030187\ecdp\general\030187ovgp.dgn
27-FEB-2004
10:27

RECEIVED
NOV 08 2007
HYDROLOGY SECTION

GENERAL NOTES:

1. EXCEPT AS PROVIDED HERIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.

2. CONTRACTOR SHALL OBTAIN AND ABIDE BY A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION, PRIOR TO CONSTRUCTION. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.

3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SOILS REPORT PREPARED BY GEO-TEST INC., DATED OCTOBER, 1997. ALL OTHER WORK, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (FIRST PRIORITY), AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).

4. TWO WORKING DAYS PRIOR TO EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1264) FOR LOCATION OF EXISTING UTILITIES.

5. PRIOR TO GRADING, ALL VEGETATION DEBRIS, AND NEAR SURFACE ORGANICALLY CONTAMINATED SOIL SHALL BE STRIPPED FROM ALL AREAS TO BE GRADED. VEGETATION AND DEBRIS SHALL BE DISPOSED OF OFF-SITE OR STOCK-PILED FOR USE IN PLANTERS AND NON-STRUCTURAL FILLS.

6. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.

GENERAL NOTES (CONT):

7. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.

8. CONTRACTOR SHALL RESEED ALL DISTURBED AREAS PER COA STANDARD SPECIFICATION 1012.

9. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTUCTING TEMPORARY BERMS AT THE PROPERTY LINES PER DETAIL THIS SHEET 2 OF 2 AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.

10. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIROMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

11. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATIONS.

12. ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOWLINE ELEVATION.

13. ALL INTERIOR CURBS ARE ROLL CURB AND GUTTER UNLESS OTHERWISE NOTED.

14. THE CONTRACTOR IS TO REFER TO THE EARTHWORK SPECIFICATIONS AS NOTED IN THE GEOTECHNICAL ENGINEERING SERVICES REPORT FOR LANDS OF RAY A GRAHAM III, PREPARED BY GEO-TEST, INC., FEB. 26, 2003.

LEGEND

PROPOSED SPOT ELEVATION	• 5235.25
FL OF ROLL CURB ELEVATION	• 5235.25
EXISTING SPOT ELEVATION	5235.25
EXISTING CONTOUR	
DIRECTION OF FLOW	
EXISTING STORM DRAIN LINE	SD
PROPOSED STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	
PROPOSED STORM DRAIN MANHOLE	
PROPOSED WATER BLOCK	
RETAINING WALL	
GARDEN WALL	
PHASE BOUNDARY	
POND CONTOUR	
TEMP. DESILTAION BASIN	
PAD	

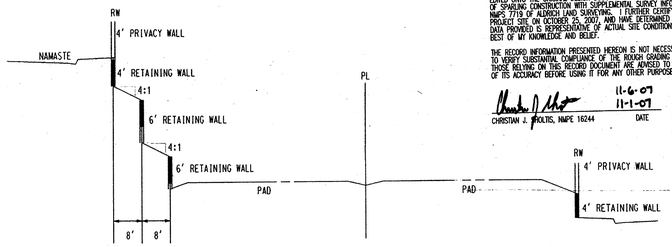
⚠ ROUGH GRADING CERTIFICATION (UNIT 5)

I, CHRISTIAN J. SHOLTIS, NMPE 16244, OF THE FIRM BOHANNAN HUSTON, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE ROUGH GRADING PLAN DATED, OCTOBER 28, 2003. THE RECORD INFORMATION THE DESIGN INTENT OF THE ROUGH GRADING PLAN DATED, OCTOBER 28, 2003. THE RECORD INFORMATION CONTAINED ON THIS RECORD DRAWING DOCUMENT HAS BEEN OBTAINED BY WILLIAM M. ALBERT, NMPS 7241, EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY TIMOTHY ALDRICH OF SPAWLING CONSTRUCTION WITH SUPPLEMENTAL SURVEY INFORMATION OBTAINED BY TIMOTHY ALDRICH NMPS 7719 OF ALDRICH LAND SURVEYING. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON OCTOBER 25, 2007, 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.

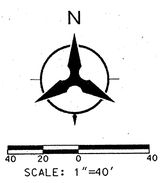
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE ROUGH GRADING ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

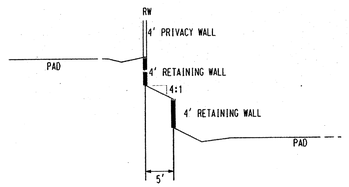
11-6-07
CHRISTIAN J. SHOLTIS, NMPE 16244 — DATE 11-1-07

CHRISTIAN J. SHOLTIS NEW MEXICO 16244 REGISTERED PROFESSIONAL ENGINEER



SECTION A-A
NOT TO SCALE





SECTION D-D
NOT TO SCALE

AS-BUILT INFORMATION

CONTRACTOR
STAKED BY
ACCEPTANCE BY — DATE
FIELD LOCATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "NM448-N6A"
GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
(CENTRAL ZONE) Y=366,640.72
Y=1,507,308.30
GROUND-TO-GRID FACTOR = 0.9996784
DELTA ALPHA=00°15'24"
NGVD 1929 ELEVATION = 5058.889'

NO.	DATE	BY	REMARKS	DATE
A	11-1-07	G & D CERT	REVISIONS	DATE 09/2003
			DESIGN	DATE 10/2003
DESIGNED BY			CJS	
DRAWN BY			DLM	
CHECKED BY			CJS	

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

SURVEYOR'S SEAL
CHRISTIAN J. SHOLTIS NEW MEXICO 16244 REGISTERED PROFESSIONAL ENGINEER
09-11-03
02-21-04
10-28-05

ENGINEER'S SEAL
CHRISTIAN J. SHOLTIS NEW MEXICO 16244 REGISTERED PROFESSIONAL ENGINEER
09-11-03
02-21-04
10-28-05

Bohannan ▲ Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

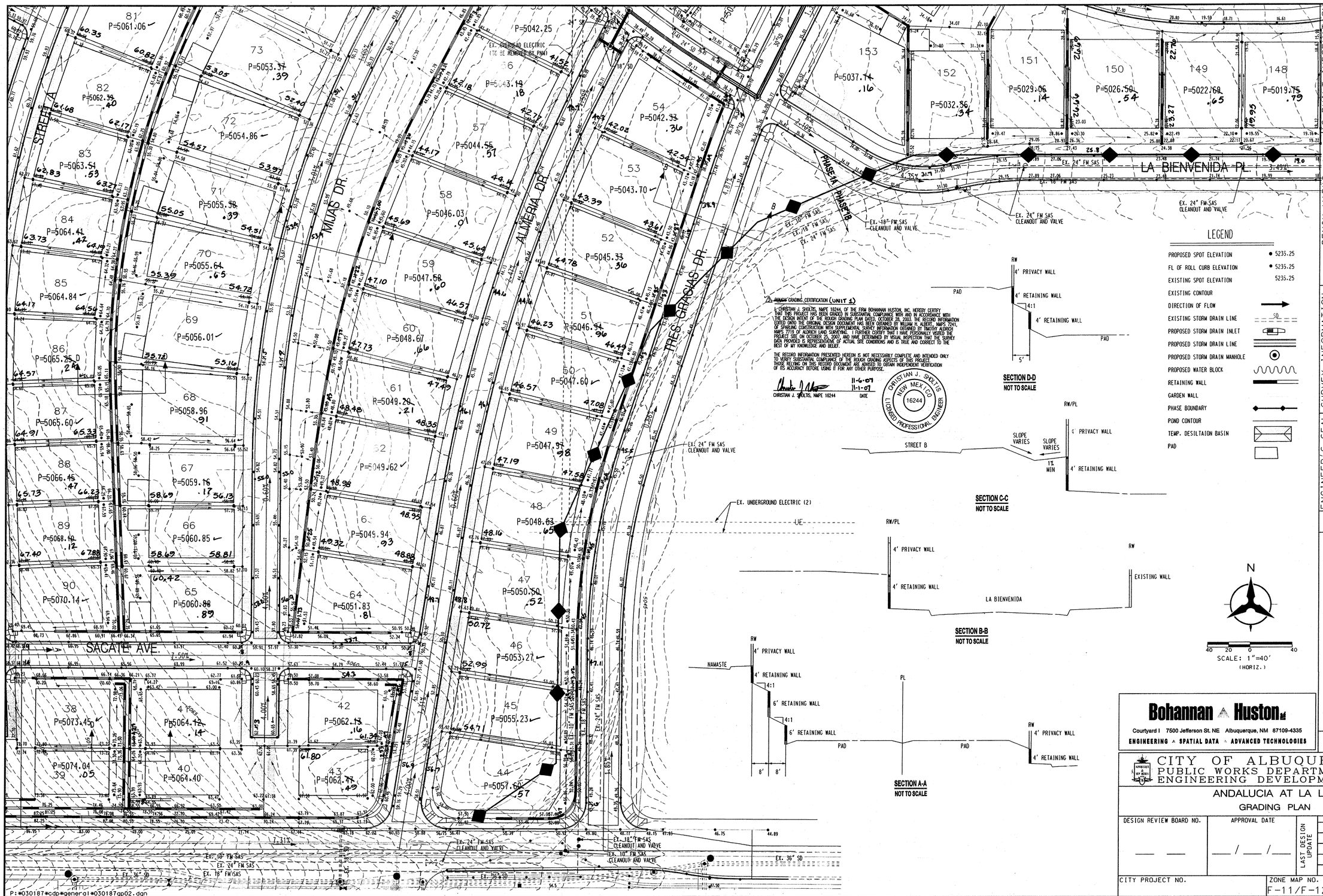
ANDALUCIA AT LA LUZ
GRADING PLAN

DESIGN REVIEW BOARD NO.	APPROVAL DATE	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
___ ___	___ / ___ / ___			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
	F-11/F-12	2	9

P:\030187\cdp\general\030187gp01.dgn
27-FEB-2004
10:47
JLEE

BHI JOB NO. 030187



ROUGH GRADING CERTIFICATION (UNIT 2)

I, CHRISTIAN J. SHOLTIS, NMPE 16244, OF THE FIRM BOHANNAN HUSTON, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE ROUGH GRADING PLAN DATED, OCTOBER 29, 2003. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY WILLIAM V. ALBERT, NMPS 7241, OF SPARING CONSTRUCTION WITH SUPPLEMENTAL SURVEY INFORMATION OBTAINED BY TIMOTHY ALDRICH, NMPS 7719 OF ALDRICH LAND SURVEYING. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON OCTOBER 25, 2007, 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.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE ROUGH GRADING 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.

CHRISTIAN J. SHOLTIS, NMPE 16244 — 11-6-07 / 11-1-07 DATE

CHRISTIAN J. SHOLTIS NEW MEXICO 16244 LICENSED PROFESSIONAL ENGINEER

LEGEND

PROPOSED SPOT ELEVATION	• 5235.25
FL OF ROLL CURB ELEVATION	• 5235.25
EXISTING SPOT ELEVATION	5235.25
EXISTING CONTOUR	
DIRECTION OF FLOW	
EXISTING STORM DRAIN LINE	50
PROPOSED STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	
PROPOSED STORM DRAIN MANHOLE	
PROPOSED WATER BLOCK	
RETAINING WALL	
GARDEN WALL	
PHASE BOUNDARY	
POND CONTOUR	
TEMP. DESILTAION BASIN	
PAD	

AS-BUILT INFORMATION

BENCH MARKS

ACS BRASS TABLET STAMPED "NM48-N6A"
GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
(CENTRAL ZONE) X=366,640.72
Y=1,507,308.30
GROUND-TO-GRID FACTOR = 0.9996784
DELTA ALPHA=00°15'24"
NGVD 1329 ELEVATION = 5058.889'

CONTRACTOR
GRADING BY
STAKED BY
INSPECTED BY
AS-BUILTS BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

CHRISTIAN J. SHOLTIS NEW MEXICO 16244 LICENSED PROFESSIONAL ENGINEER
09-11-03 02-27-04
10-29-03

NO.	DATE	REMARKS	BY
		REVISIONS	
1	11-1-07	G+D SHEET	CJS
		DESIGN	
		DESIGNED BY	CJS
		DRAWN BY	DLM
		CHECKED BY	CJS
		DATE 09/2003	
		DATE 09/2003	
		DATE 10/2003	

Bohannan Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ANDALUCIA AT LA LUZ
GRADING PLAN

DESIGN REVIEW BOARD NO.	APPROVAL DATE	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
___ ___	___ / ___ / ___			

CITY PROJECT NO. | ZONE MAP NO. F-11/F-12 | SHEET 3 OF 9

P:\030187\cdp\general\030187gp02.dgn
27-FEB-2004
10:31
JLEE

BHI JOB NO. 030187