CONSTRUCTION PLANS
FOR
WESTERN RIDGE SUBDIVISION (UNIT 2)
AT VENTANA RANCH WEST
ALBUQUERQUE, NEW MEXICO

26-7494.86 06

INDEX

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: 5/25/06

RECORD DRAWINGS

I, PATRICK J CONLEY of the firm of Smith Engineering Company, a Registered Professional Engineer in the State of New Mexico, do hereby state that, to the best of my knowledge and belief, the infrastructure for this project as shown on the plans has been constructed in general accordance with the project plans and in general accordance with the City of Albuquerque Standard Specifications for Public Works Construction (including all updates), and that the general intent of the plans has been met except as noted on the as-built construction drawings. The infrastructure construction has been observed by a qualified person from Smith Engineering Company and this statement covers infrastructure installation that was observed while a representative from Smith Engineering was on site. This statement is based on site observations by Smith Engineering Company personnel and on as-built information provided to Smith Engineering Company RUSS HUGG (surveyor's name), NMPS number 9750 (PS #).

PATRICK J. CONLEY
10141
5/3/06

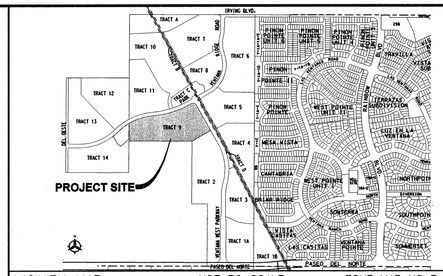
SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMRS No. 9750
1.27, 20 06

RUSS P. HUGG
No. 9750

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



VICINITY MAP: NOT TO SCALE ZONE MAP NO. B-8

NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AND SHALL INCLUDE UPDATE No. 7
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
5. ALL PERMANENT STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
6. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS
7. ANY WORK WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
8. ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW MEXICO UTILITIES, INC. SPECIFICATIONS FOR WATER AND WASTEWATER FACILITIES (MOST RECENT REVISIONS).
9. THE CONTRACTOR SHALL NOTIFY NEW MEXICO UTILITIES. (898-2661) THREE WORKING DAYS PRIOR TO BEGINNING THE CONSTRUCTION OF THE UTILITIES.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI - FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
☒ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
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ENGINEERS STAMP & SIGNATURE

KEVIN G. PATTON
3/14/05

APPROVALS	ENGINEER	DATE
DRC Chairman		3/18/05
Transportation		3/16/05
Water/Wastewater		3/14/05
Hydrology	Bradley L. Bingham	3/14/05
CIP		
Const. Mngmt.		
Const. Coord.		3/18/05

* * * * * * * * * * * * * *

APPROVED FOR CONSTRUCTION

9-26-05
City Engineer Date

DRB CASE NUMBER 1003687

CITY PROJECT NO. 749486

SHEET 1 OF 37

14-MAR-2005 -
P:\050125\cdp\general\Unit2\050125Title.dgn

SCANNED BY PLR

PRELIMINARY PLAT
WESTERN RIDGE SUBDIVISION
UNIT 1 & UNIT 2
(REPLAT OF TRACT 2, 9 & 14 AT VENTANA RANCH WEST)

ALBUQUERQUE, NEW MEXICO
SEPTEMBER, 2004

Curve Data						
ID	DELTA	TANGENT	ARC	RADIUS	CHORD	CHORD BRG
C1	89°53'17"	99.81'	156.88'	100.00'	141.28'	S45°14'33"W
C2	90°00'00"	25.00'	39.27'	25.00'	35.36'	N45°17'49"E
C3	44°38'38"	467.24'	886.71'	1138.00'	864.45'	N67°58'30"E
C4	38°58'22"	428.87'	824.41'	1212.00'	808.61'	N65°08'22"E
C5	23°50'51"	430.36'	848.25'	2038.00'	842.15'	N72°42'08"E
C6	90°00'00"	80.00'	125.66'	80.00'	113.14'	S74°13'18"E
C7	44°15'08"	429.36'	815.60'	1056.00'	795.48'	S07°05'44"E
C8	14°43'55"	147.89'	294.15'	1144.00'	293.34'	S07°39'52"W

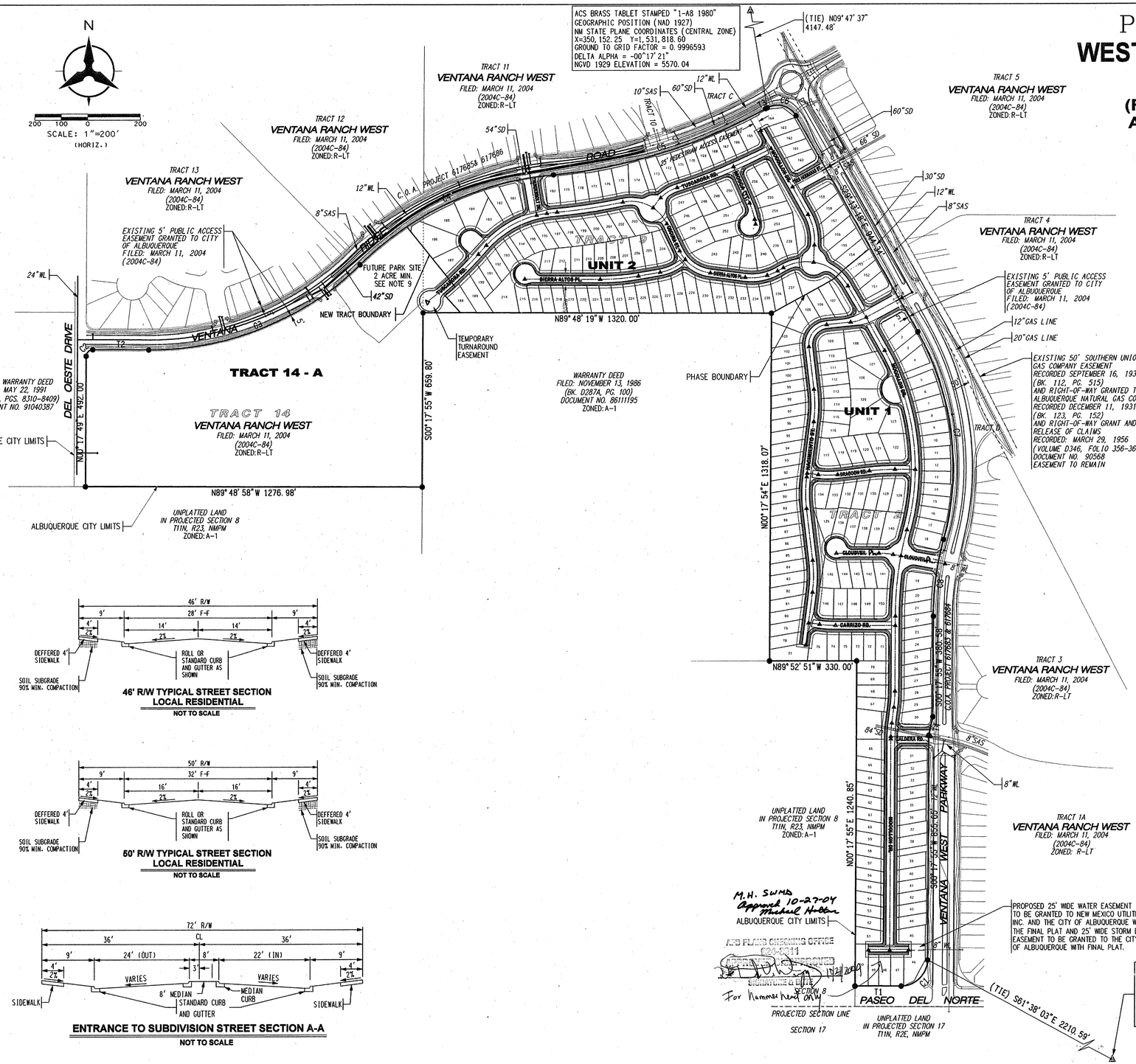
Tangent Data		
ID	BEARING	DISTANCE
T1	N89°48'48"W	175.20'
T2	S89°42'11"E	212.50'
T3	N60°46'42"E	7.00'
T4	S12°04'00"W	73.55'

SURVEY NOTES:

1. UNLESS OTHERWISE NOTED, ALL BOUNDARY CORNERS SHOWN THUS (●) SHALL BE MARKED BY A #5 REBAR STAMPED "WEAVER LS 6544".
2. ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT DESIGNATED CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS AND SHOWN THUS (▲) WILL BE MARKED BY A FOUR (4") ALUMINUM CAP STAMPED "CITY OF ALBUQUERQUE, CENTERLINE MONUMENTATION, DO NOT DISTURB, P.L.S. 6544".
3. THE SUBDIVISION BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
4. BASIS OF BEARINGS WILL BE NEW MEXICO STATE PLANE GRID BEARINGS.
5. DISTANCES SHALL BE GROUND DISTANCES.
6. MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS AND ALL OTHER ANGLE POINTS TO ALLOW THE USE OF CENTERLINE MONUMENTATION.

APPROVED FOR MONUMENTATION AND STREET NAMES

CITY SURVEYOR — DATE 10-1-04



LEGAL DESCRIPTION:
TRACTS 2, 9 & 14 OF VENTANA RANCH WEST
FILED: MARCH 11, 2004 (2004C-84)

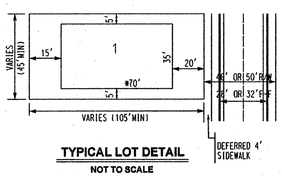
1. EXISTING ZONING: RLT
   PROPOSED ZONING: RLT
   PROPOSED DEVELOPMENT:
   SINGLE FAMILY DETACHED RESIDENTIAL
2. TOTAL ACREAGE: 49.7 (69.10) GROSS ACRES
   TOTAL NUMBER OF LOTS: 257 LOTS
   PROPOSED DENSITY: 5.17 D.U. PER ACRE
   TOTAL NUMBER OF LANDSCAPE / PEDESTRIAN ACCESS TRACTS: 21
   TOTAL NUMBER OF BULK PARCELS REMAINING: 1 (TRACT 14-A)
3. MINIMUM LOT DIMENSIONS 45' x 105'
4. ALL STREETS AND DRAINAGE IMPROVEMENTS ARE TO BE PUBLIC, TO BE DEDICATED FOR MAINTENANCE TO THE CITY OF ALBUQUERQUE.
5. THIS SUBDIVISION LIES WITHIN THE NEW MEXICO UTILITIES, INC. (NMUI) FRANCHISE AREA. WATER AND SANITARY SEWER CAPABILITIES AREA BASED ON NMUI'S FACILITIES, AND NOT ON THE CITY OF ALBUQUERQUE'S. WATER AND SANITARY SEWER INFRASTRUCTURE IMPROVEMENTS MUST BE APPROVED BY BOTH THE CITY OF ALBUQUERQUE AND NMUI.
6. ALL SANITARY AND WATER UTILITIES IN THE STREET R/W ARE TO BE OWNED AND MAINTAINED BY NMUI.
7. NO INDIVIDUAL LOTS SHALL BE ALLOWED DIRECT ACCESS TO VENTANA WEST PARKWAY, PASEO DEL NORTE, VENTANA RIDGE ROAD OF VENTANA RANCH WEST AND TRACT A THRU R.
8. LOT SETBACKS SHALL CONFORM TO RLT ZONE REGULATIONS. REQUIRED SETBACKS SHALL INCLUDE:
   FRONT YARD: 20'(TYP.)
   (15' w/20' TO GARAGE MIN.)
   SIDE YARD: 5' (MIN.)
   BACK YARD: 15' (MIN.)
   CORNER SIDEYARD: 10' TO R/W
9. PARK DEDICATION REQUIREMENTS HAVE BEEN MET WITH PARK SITE AS RESERVED AS A PORTION OF TRACT 14-A / TRACT 9 VENTANA RANCH WEST, IN ACCORDANCE WITH THE PARK DEDICATION AGREEMENT BETWEEN THE CITY OF ALBUQUERQUE AND VENTANA WEST, LLC.
   DATED: MARCH 10, 2004 AS DOCUMENT NO. 2004031336.
10. TRACT 2 IS SUBJECT TO AN EXISTING THIRTY (30') WIDE FLOATING PUBLIC STORM DRAIN EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE.
    FILED: MARCH 11, 2004 IN BOOK 2004C, PAGE 84. EASEMENT TO BE VACATED BY VACATION ACTION.
11. TRACTS A THRU K AND TRACTS M THRU U ARE TO BE DEDICATED TO AND MAINTAINED BY VENTANA RANCH WEST COMMUNITY ASSOCIATION BY SEPARATE DEED AND SOLEY AS PRIVATE OPEN SPACE, PEDESTRIAN ACCESS AND COMMUNITY LANDSCAPING. AN EXCLUSIVE BLANKET STORM DRAIN AND DRAINAGE EASEMENT TO BE GRANTED TO THE CITY OF ALBUQUERQUE WITH THE FINAL PLAT.
12. TRACT L IS DEDICATED TO THE CITY OF ALBUQUERQUE IN FEE SIMPLE WITH THE FILING OF THIS PLAT. TRACT L IS ENCOMPASSED WITH A PERMANENT PUBLIC DRAINAGE EASEMENT AND WILL BE MAINTAINED BY THE CITY OF ALBUQUERQUE FOR THIS PURPOSE. A PRIVATE LANDSCAPE EASEMENT IS RESERVED FOR THE VENTANA RANCH WEST COMMUNITY ASSOCIATION, INC., OVER TRACT L.
13. NO INDIVIDUAL LOTS SHALL BE ALLOWED DIRECT ACCESS TO ANY LANDS ADJACENT TO VENTANA RANCH WEST BOUNDARY.

VENTANA WEST, LLC
A NEW MEXICO LIMITED LIABILITY COMPANY
ROBERT M. MURPHY, PRESIDENT — DATE 9/30/04
SANDIA PROPERTIES LTD. CO.
MANAGING MEMBER

NGS BRASS TABLET STAMPED "UNION 1969"
GEOGRAPHIC POSITION (NAD 1927)
NM STATE PLANE COORDINATES (CENTRAL ZONE)
X=353,409.02 Y=1,523,440.96
GROUND TO GRID FACTOR = 0.99966044
DELTA ALPHA = -00°16'58"
NGVD 1929 ELEVATION = 5522.0 (TRIG)

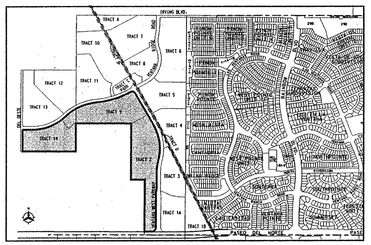
46' R/W TYPICAL STREET SECTION LOCAL RESIDENTIAL
NOT TO SCALE

60' R/W TYPICAL STREET SECTION LOCAL RESIDENTIAL
NOT TO SCALE



TYPICAL LOT DETAIL
NOT TO SCALE

ENTRANCE TO SUBDIVISION STREET SECTION A-A
NOT TO SCALE



LOCATION MAP
ZONE ATLAS MAP NO. B-8
NOT TO SCALE

SHEET 1 of 3

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

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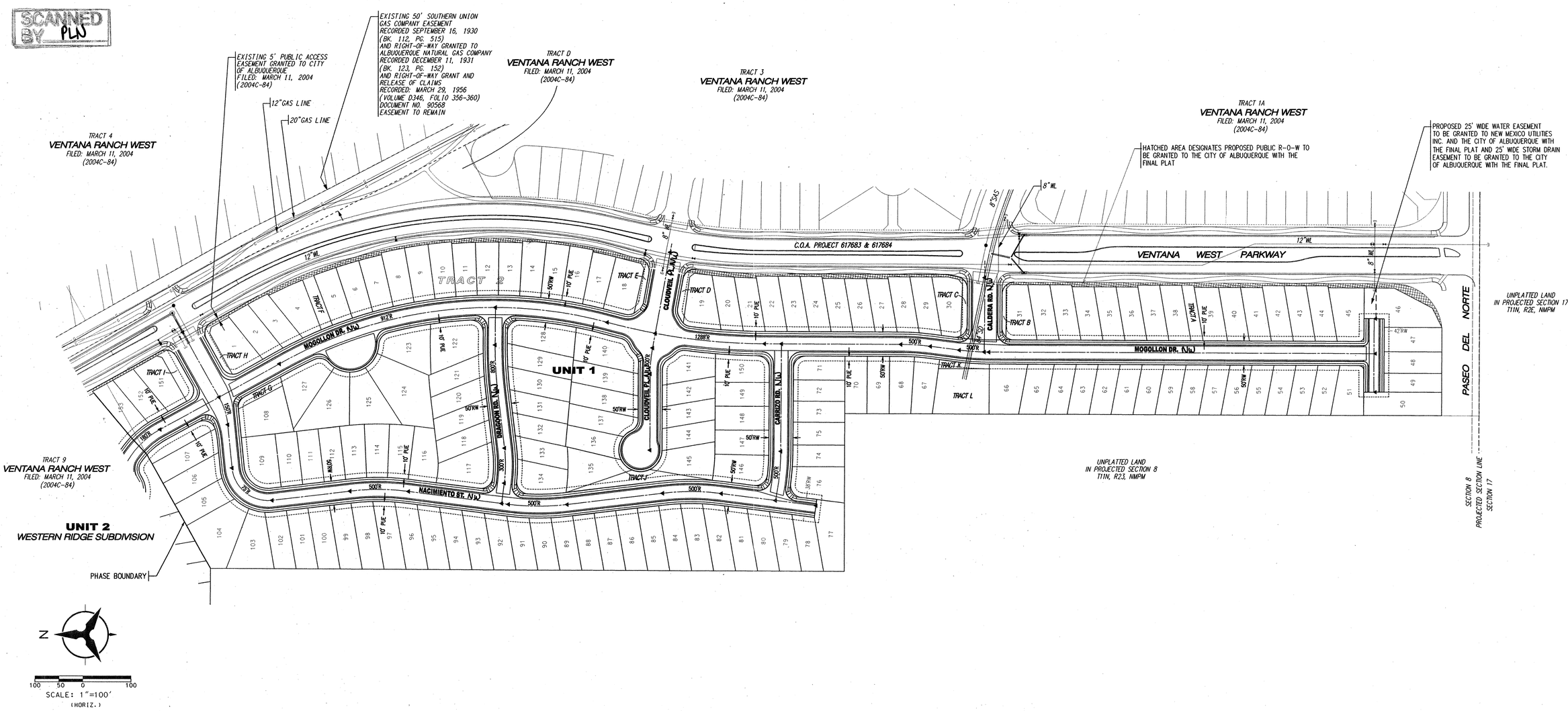
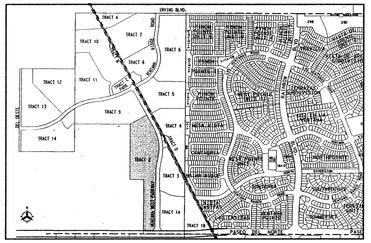
BHI JOB NO. 050125

SCANNED BY PLN





LOCATION MAP
ZONE ATLAS MAP NO. B-8
NOT TO SCALE

PRELIMINARY PLAT
UNIT 1
WESTERN RIDGE SUBDIVISION
(REPLAT OF TRACT 2, 9 & 14 AT VENTANA RANCH WEST)

ALBUQUERQUE, NEW MEXICO
SEPTEMBER, 2004

SHEET 2 of 3

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

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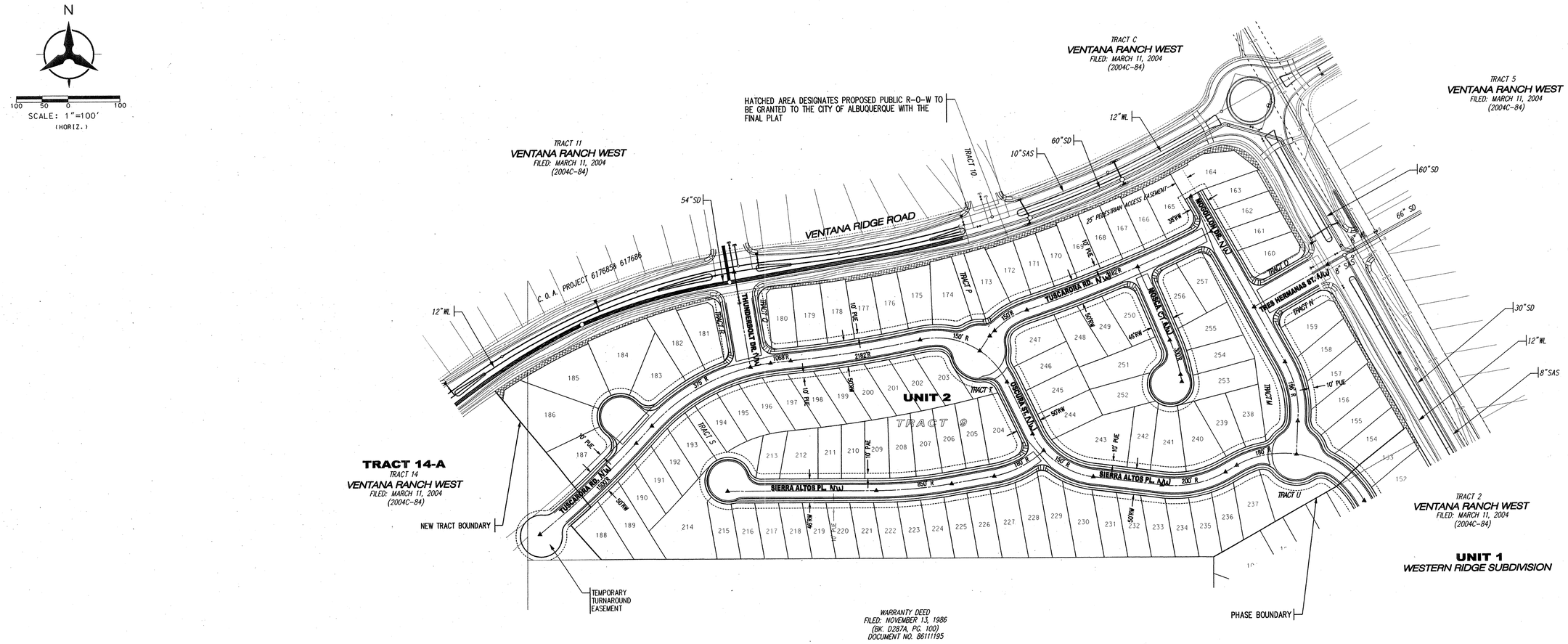

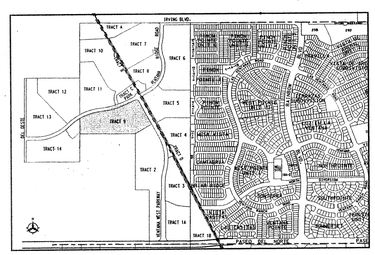

LOCATION MAP

ZONE ATLAS MAP NO. B-8
NOT TO SCALE

PRELIMINARY PLAT

UNIT 2
WESTERN RIDGE SUBDIVISION

(REPLAT OF TRACT 2, 9 & 14 AT VENTANA RANCH WEST)

ALBUQUERQUE, NEW MEXICO
SEPTEMBER, 2004

SHEET 3 of 3

Bohannan ▲ Huston
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ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

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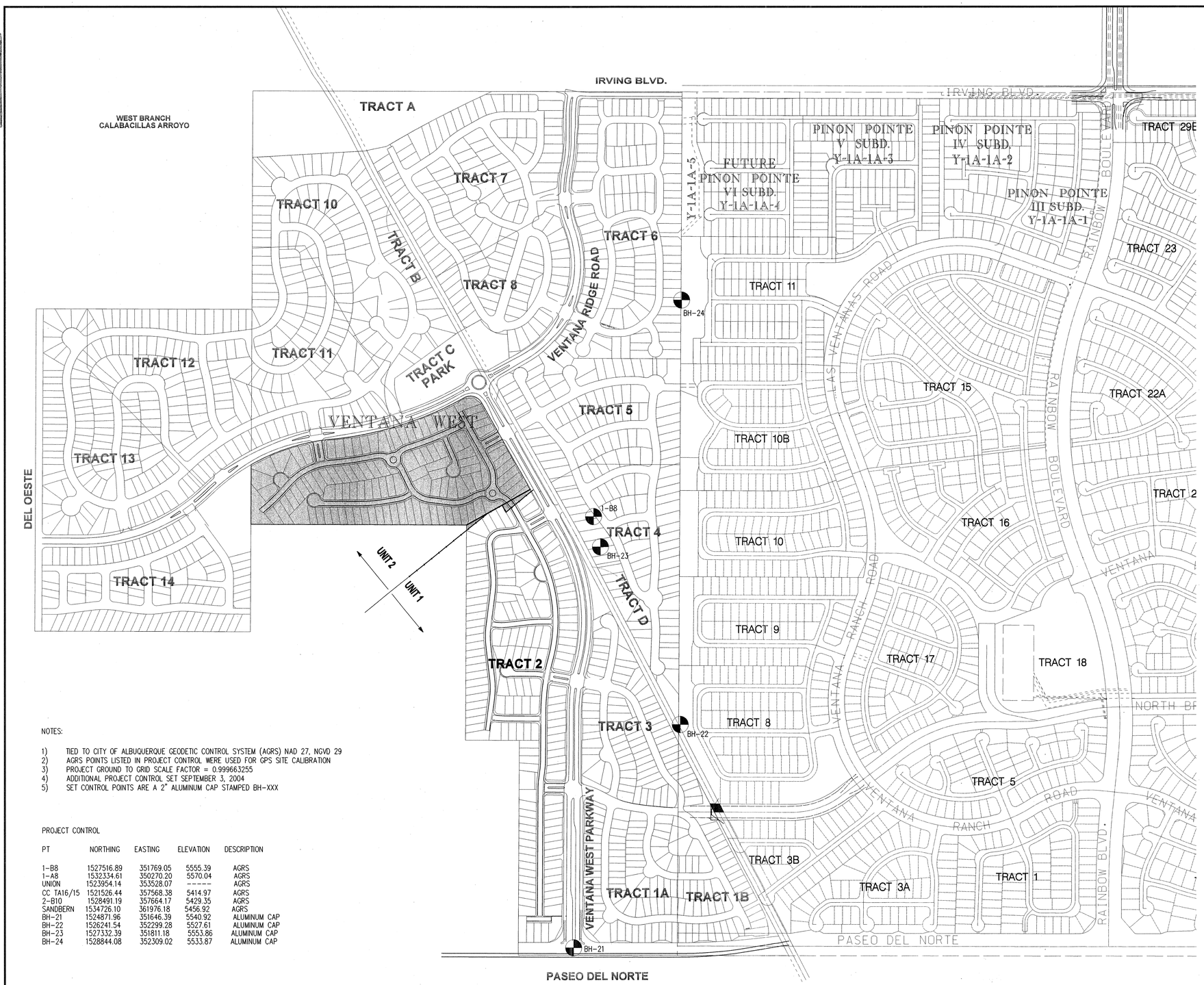


NOTES:

1) TIED TO CITY OF ALBUQUERQUE GEODETIC CONTROL SYSTEM (AGRS) NAD 27, NGVD 29
2) AGRS POINTS LISTED IN PROJECT CONTROL WERE USED FOR GPS SITE CALIBRATION
3) PROJECT GROUND TO GRID SCALE FACTOR = 0.999663255
4) ADDITIONAL PROJECT CONTROL SET SEPTEMBER 3, 2004
5) SET CONTROL POINTS ARE A 2" ALUMINUM CAP STAMPED BH-XXX

PROJECT CONTROL

PT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1-B8	1527516.89	351769.05	5555.39	AGRS
1-A8	1532334.61	350270.20	5570.04	AGRS
UNION	1523954.14	353528.07	-----	AGRS
CC TA16/15	1521526.44	357568.38	5414.97	AGRS
2-B10	1528491.19	357664.17	5429.35	AGRS
SANDBERN	1534726.10	361976.18	5456.92	AGRS
BH-21	1524871.96	351646.39	5540.92	ALUMINUM CAP
BH-22	1526241.54	352299.28	5527.61	ALUMINUM CAP
BH-23	1527332.39	351811.18	5553.86	ALUMINUM CAP
BH-24	1528844.08	352309.02	5533.87	ALUMINUM CAP

N

NOT TO SCALE

SUBDIVISION TO BE DEVELOPED

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

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
SITE DESCRIPTION PLAN & SURVEY CONTROL

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 1 6 2005 DESIGN REVIEW COMMITTEE	APPROVED SEP 2 6 2005 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	7	37

BHI JOB NO. 050125

AS-BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS BRASS TABLET STAMPED"2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)

NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KEVIN G. PATTON NEW MEXICO PROFESSIONAL ENGINEER 9768 3/14/05

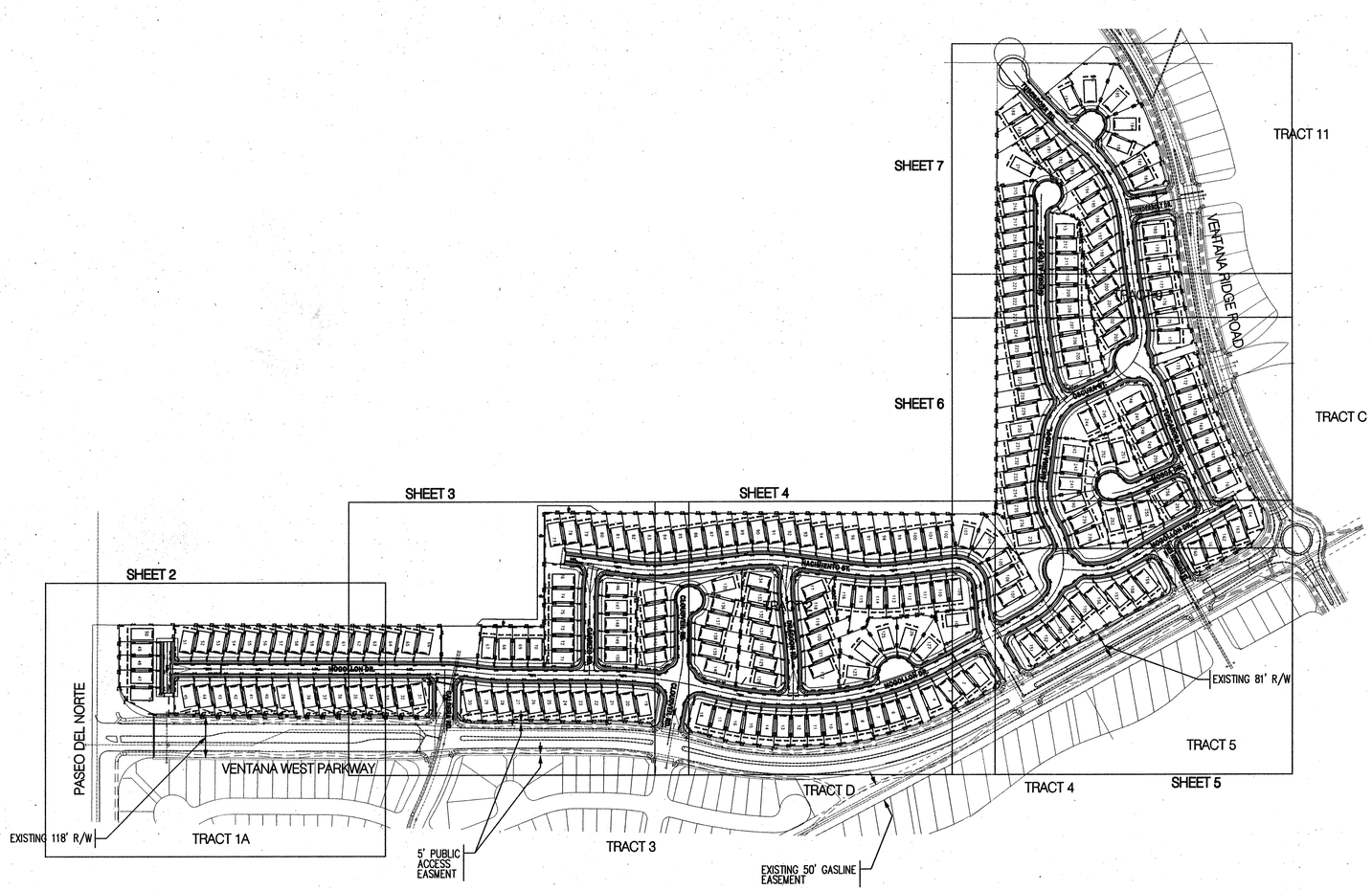
NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

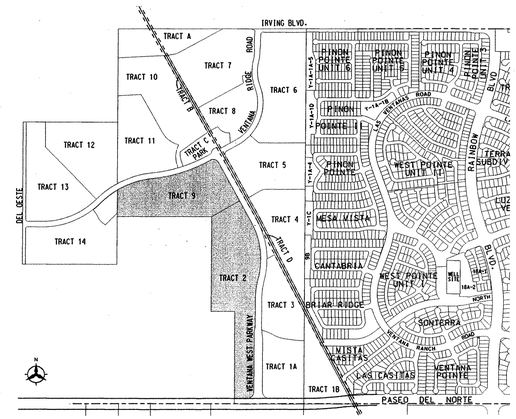
DESIGNED BY	JL/JPP	DATE NOV 04
DRAWN BY	ARR/JL	DATE NOV 04
CHECKED BY	KGP	DATE NOV 04

14-MAR-2005 - P:\050125\cdp\general\Unit2\050125SitePlan.dgn

SCANNED BY

SCANNED BY PW





VICINITY MAP
NOT TO SCALE

LEGAL DESCRIPTION:
TRACTS 2&9, VENTANA RANCH WEST.

REFERENCE PROJECTS:

1. VENTANA RANCH WEST PUBLIC IMPROVEMENTS DISTRICT/ADDITIONAL BACKBONE ROADWAY AND STORM DRAIN IMPROVEMENTS
   PHASE I COA PROJECT # 617683
   PHASE II COA PROJECT # 617685
2. VENTANA RANCH WEST WATER & SANITARY SEWER IMPROVEMENTS
   PHASE I COA PROJECT # 617684
   PHASE II COA PROJECT # 617686

N

SCALE: 1"=200'
(HORIZ.)
200 100 0 200

APPROVED FOR ROUGH GRADING DATE

BHI JOB NO. 050125

AS-BUILT INFORMATION

CONTRACTOR	
STAKED BY	
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS BRASS TABLET STAMPED "2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
(CENTRAL ZONE)
X=357,543.73 Y=1,527,976.48
GROUND-TO-GRID FACTOR = .99966354
DELTA ALPHA = -00°16'30"
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KEVIN G. PATTON
NEW MEXICO
13991
REGISTERED PROFESSIONAL ENGINEER
10/25/04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	JPP	DATE SEPT 04
DRAWN BY	ARR	DATE SEPT 04
CHECKED BY	KGP	DATE SEPT 04

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

TRACT 2 & 9 SUBDIVISION AT VENTANA RANCH WEST
OVERALL GRADING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
N/A for Info				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
XXXXXX	B-8-Z	1	16

25-OCT-2004
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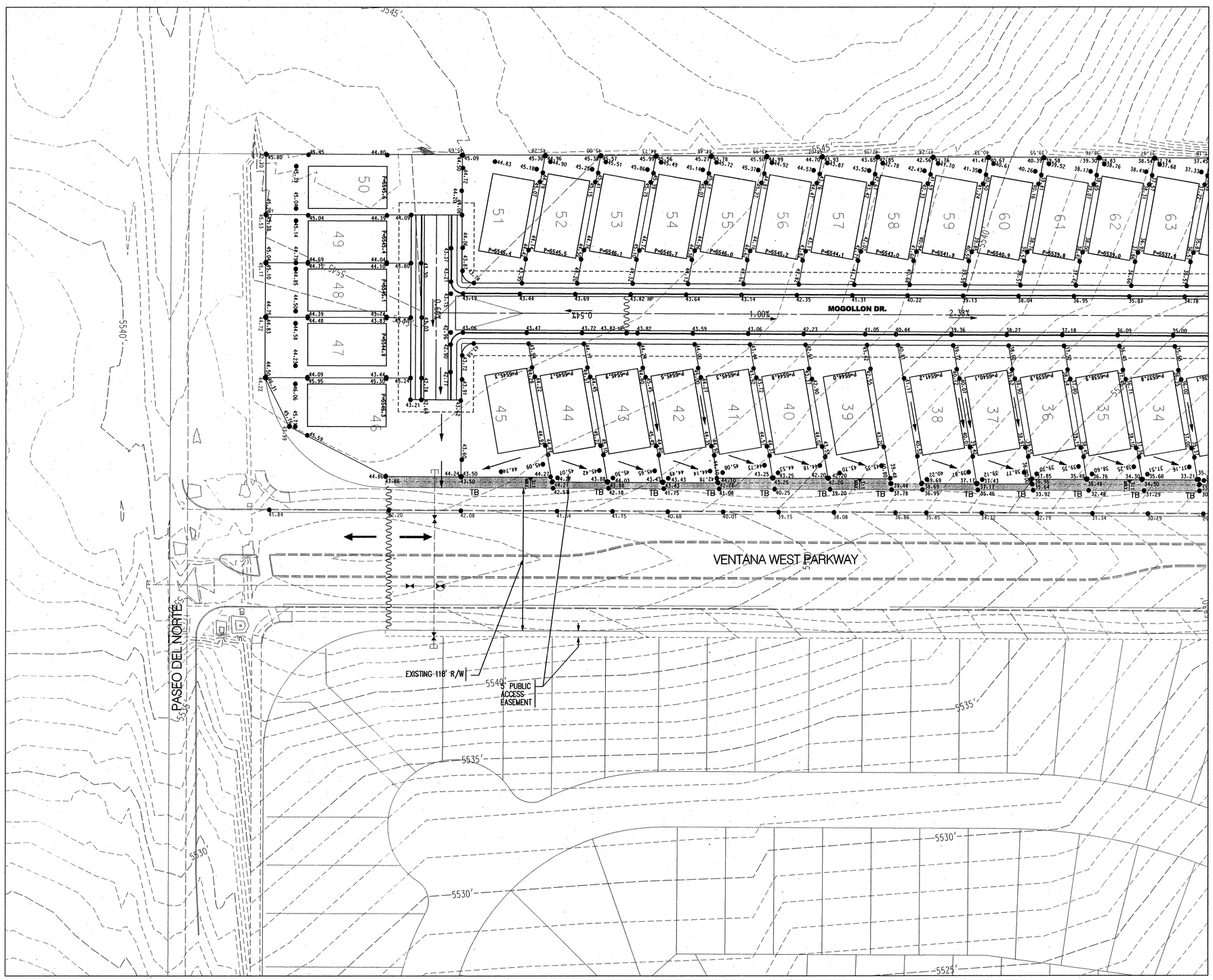
SCANNED BY RJJ



LEGEND

PROPOSED SPOT ELEVATION	• 5235.25
PROPOSED SPOT ELEVATION	5235.25
EXISTING CONTOUR	
PHASE BOUNDARY	
DIRECTION OF FLOW	
EXISTING STORM DRAIN LINE	
EXISTING STORM DRAIN INLET	
EXISTING WATER LINE	
EXISTING SAS LINE	
EXISTING SAS MANHOLE	
PROPOSED WATER BLOCK	
RETAINING WALL	
GARDEN WALL	
POND CONTOUR	
PAD	
PROPOSED LANDSCAPE TRACT	
TURN BLOCK	TB

N

SCALE: 1"=40' (HORIZ.)

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

TRACT 2 & 9 SUBDIVISION AT VENTANA RANCH WEST

OVERALL GRADING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
N/A	For Info.			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
XXXXXX	B-8-Z	2	10

BHI JOB NO. 050125

ENGINEER'S SEAL: KEITH G. PATTON, NEW MEXICO, 10125, REGISTERED PROFESSIONAL ENGINEER, 10/25/04

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

AS-BUILT INFORMATION

CONTRACTOR		
STAKED BY		
INSPECTOR'S ACCEPTANCE BY		DATE
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS BRASS TABLET STAMPED 2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES (CENTRAL ZONE)
X=357,543.73 Y=1,527,976.48
GROUND-TO-GRID FACTOR = 999966354
DELTA ALPHA = -00°16'30"
NGVD 1929 ELEVATION = 5429.35

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN		
DESIGNED BY	JPP	DATE SEPT 04
DRAWN BY	ARR	DATE SEPT 04
CHECKED BY	KGP	DATE SEPT 04

25-OCT-2004
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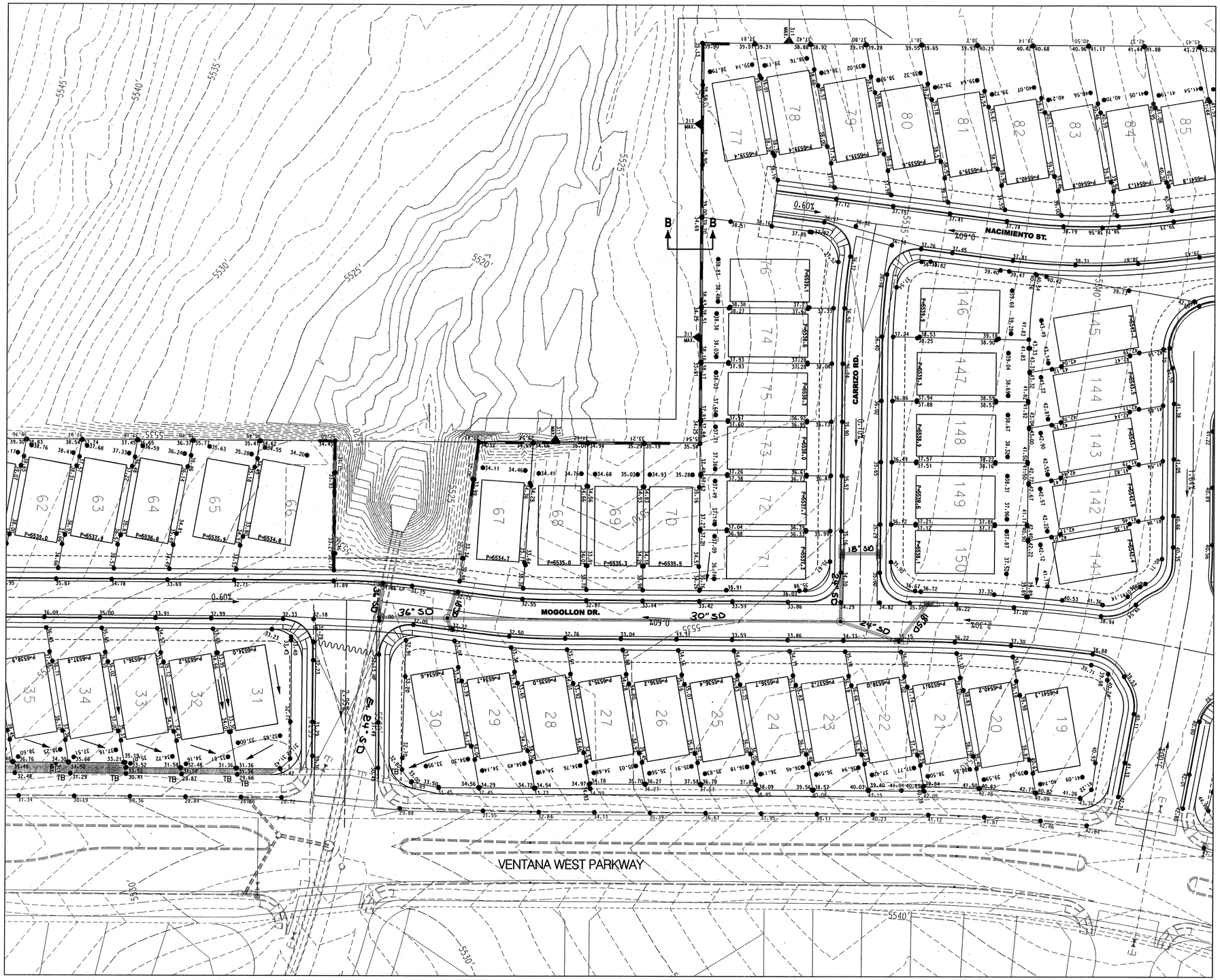
9 of 37

SCANNED BY PLJ



LEGEND

PROPOSED SPOT ELEVATION	• 5235.25
PROPOSED SPOT ELEVATION	⊹ 5235.25
EXISTING CONTOUR	
PHASE BOUNDARY	
DIRECTION OF FLOW	
EXISTING STORM DRAIN LINE	
EXISTING STORM DRAIN INLET	
EXISTING WATER LINE	
EXISTING SAS LINE	
EXISTING SAS MANHOLE	
PROPOSED WATER BLOCK	
RETAINING WALL	
GARDEN WALL	
POND CONTOUR	
PAD	
PROPOSED LANDSCAPE TRACT	
TURN BLOCK	TB

N

SCALE: 1"=40' (HORIZ.)

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

TRACT 2 & 9 SUBDIVISION AT VENTANA RANCH WEST

OVERALL GRADING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
N/A	for Info			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
XXXXXX	B-8-Z	3	10

BHI JOB NO. 050125

25-OCT-2004
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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS BRASS TABLET STAMPED"2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
(CENTRAL ZONE)
X=357,543.73 Y=1,527,976.48
GROUND-TO-GRID FACTOR = 99966354
DELTA ALPHA -00°16'30"
NGVD 1929 ELEVATION = 5429.35

AS-BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

ENGINEER'S SEAL

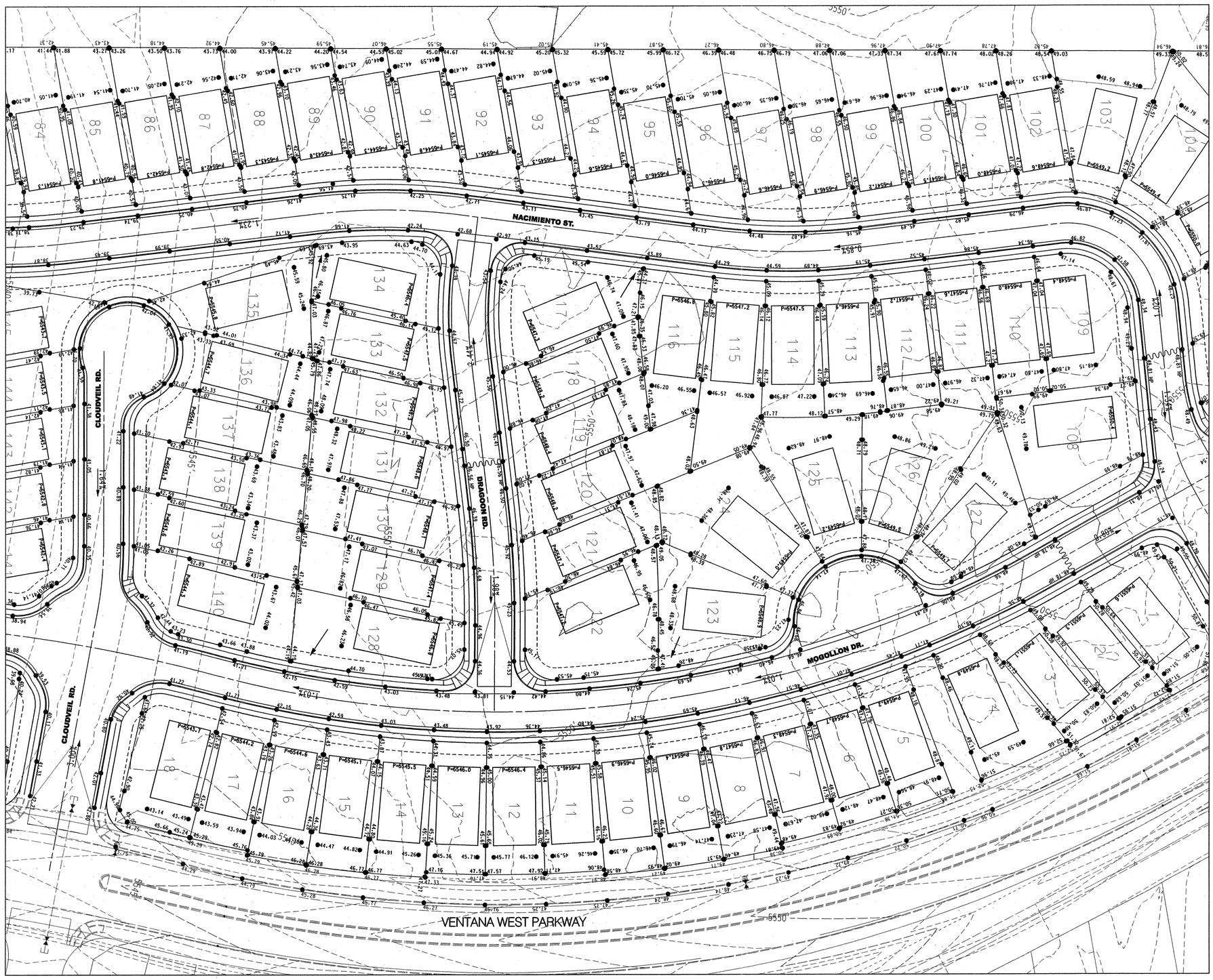
KEVIN G. PATTON NEW MEXICO PROFESSIONAL ENGINEER 10/25/04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	JPP	DATE SEPT 04
DRAWN BY	ARR	DATE SEPT 04
CHECKED BY	KGP	DATE SEPT 04

10 of 37

SCANNED BY PLD



LEGEND

PROPOSED SPOT ELEVATION	● 5235.25
PROPOSED SPOT ELEVATION	5235.25
EXISTING CONTOUR	
PHASE BOUNDARY	
DIRECTION OF FLOW	
EXISTING STORM DRAIN LINE	
EXISTING STORM DRAIN INLET	
EXISTING WATER LINE	
EXISTING SAS LINE	
EXISTING SAS MANHOLE	
PROPOSED WATER BLOCK	
RETAINING WALL	
GARDEN WALL	
POND CONTOUR	
PAD	
PROPOSED LANDSCAPE TRACT	
TURN BLOCK	TB

N

SCALE: 1"=40'
(HORIZ.)

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

TRACT 2 & 9 SUBDIVISION AT VENTANA RANCH WEST
OVERALL GRADING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
N/A for Info				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
XXXXXX	B-8-Z	4	10

BHI JOB NO. 050125

25-OCT-2004
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AS-BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
AS-BUILT CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS BRASS TABLET STAMPED 2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES (CENTRAL ZONE)
X=357,543.73 Y=1,527,976.48
GROUND-TO-GRID FACTOR = 99966354
DELTA ALPHA = -00°16'30"
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
KEVIN G. PATTON
NEW MEXICO
13988
REGISTERED PROFESSIONAL ENGINEER
10/25/04

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	

DESIGNED BY	JPP	DATE SEPT 04
DRAWN BY	ARR	DATE SEPT 04
CHECKED BY	KGP	DATE SEPT 04

SCANNED BY PW

LEGEND

PROPOSED SPOT ELEVATION	● 5235.25
PROPOSED SPOT ELEVATION	⊹ 5235.25
EXISTING CONTOUR	
PHASE BOUNDARY	
DIRECTION OF FLOW	
EXISTING STORM DRAIN LINE	
EXISTING STORM DRAIN INLET	
EXISTING WATER LINE	
EXISTING SAS LINE	
EXISTING SAS MANHOLE	
PROPOSED WATER BLOCK	
RETAINING WALL	
GARDEN WALL	
POND CONTOUR	
PAD	
PROPOSED LANDSCAPE TRACT	
TURN BLOCK	TB

N

40 20 0 40

SCALE: 1"=40'
(HORIZ.)

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

TRACT 2 & 9 SUBDIVISION AT VENTANA RANCH WEST
OVERALL GRADING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
N/A for Info				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
XXXXXX	B-8-Z	5	10

BHI JOB NO. 050125

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN		
DESIGNED BY	JPP	DATE SEPT 04
DRAWN BY	ARR	DATE SEPT 04
CHECKED BY	KGP	DATE SEPT 04

ENGINEER'S SEAL

KEVIN G. PATTON NEW MEXICO 15269 PROFESSIONAL ENGINEER
10/25/04

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE

BENCH MARKS	
ACS BRASS TABLET STAMPED "2-B10 1980"	
GEOGRAPHIC POSITION (NAD 1927)	
N.M. STATE PLANE COORDINATES	
(CENTRAL ZONE)	
X=357,543.73 Y=1,527,976.48	
GROUND-TO-GRID FACTOR = 999663554	
DELTA ALPHA = -00°16'30"	
NGVD 1929 ELEVATION = 5429.35	

AS-BUILT INFORMATION	
CONTRACTOR	
STAKED BY	
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

25-OCT-2004
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SCANNED BY PLW

LEGEND

PROPOSED SPOT ELEVATION	• 5235.25
PROPOSED SPOT ELEVATION	⊙ 5235.25
EXISTING CONTOUR	
PHASE BOUNDARY	
DIRECTION OF FLOW	
EXISTING STORM DRAIN LINE	
EXISTING STORM DRAIN INLET	
EXISTING WATER LINE	
EXISTING SAS LINE	
EXISTING SAS MANHOLE	
PROPOSED WATER BLOCK	
RETAINING WALL	
GARDEN WALL	
POND CONTOUR	
PAD	
PROPOSED LANDSCAPE TRACT	
TURN BLOCK	TB

NO WORK SHALL BE UNDERTAKEN WITHIN EXISTING 50' GASLINE EASEMENT WITHOUT FIRST CONTACTING PNM.

N

40 20 0 40

SCALE: 1"=40'
(HORIZ.)

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

TRACT 2 & 9 SUBDIVISION AT VENTANA RANCH WEST
OVERALL GRADING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
N/A for	Into			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
XXXXXX	B-8-Z	6	10

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	JPP	DATE SEPT 04
DRAWN BY	ARR	DATE SEPT 04
CHECKED BY	KGP	DATE SEPT 04

AS-BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	
AS-BUILTS BY	
ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS BRASS TABLET STAMPED"2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
(CENTRAL ZONE)
X=357,543.73 Y=1,527,976.48
GROUND-TO-GRID FACTOR = .99966354
DELTA ALPHA -00°16'30"
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KEVIN G. PATTON NEW MEXICO 12641 REGISTERED PROFESSIONAL ENGINEER
10/25/04

25-OCT-2004
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BHI JOB NO. 050125

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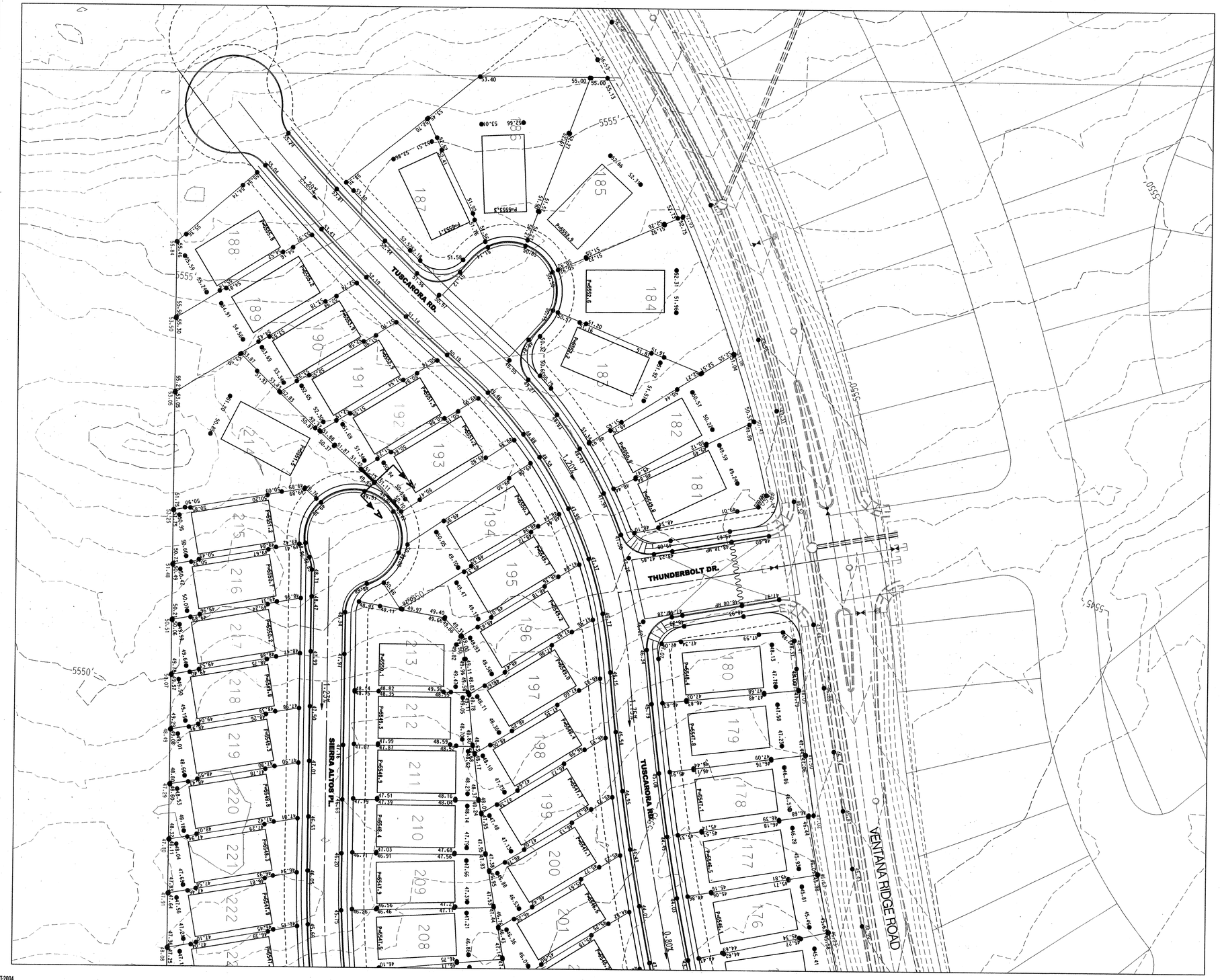

LEGEND

PROPOSED SPOT ELEVATION	• 5235.25
PROPOSED SPOT ELEVATION	⊙ 5235.25
EXISTING CONTOUR	
PHASE BOUNDARY	
DIRECTION OF FLOW	
EXISTING STORM DRAIN LINE	
EXISTING STORM DRAIN INLET	
EXISTING WATER LINE	
EXISTING SAS LINE	
EXISTING SAS MANHOLE	
PROPOSED WATER BLOCK	
RETAINING WALL	
GARDEN WALL	
POND CONTOUR	
PAD	
PROPOSED LANDSCAPE TRACT	
TURN BLOCK	TB

N

40 20 0 40

SCALE: 1"=40'
(HORIZ.)

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

TRACT 2 & 9 SUBDIVISION AT VENTANA RANCH WEST
OVERALL GRADING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
N/A for Info				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
XXXXXX	B-8-Z	7	10

BHI JOB NO. 050125

AS-BUILT INFORMATION

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

BENCH MARKS

ACS BRASS TABLET STAMPED"2-B10 1980"	
GEOGRAPHIC POSITION (NAD 1927)	
N.M. STATE PLANE COORDINATES (CENTRAL ZONE)	
X=357,543.73 Y=1,527,976.48	
GROUND-TO-GRID FACTOR = .99966354	
DELTA ALPHA -00°16'30"	
NGVD 1929 ELEVATION = 5429.35	

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KEVIN G. PATTON NEW MEXICO 13985 REGISTERED PROFESSIONAL ENGINEER

10/25/04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	JPP	DATE SEPT 04
DRAWN BY	ARR	DATE SEPT 04
CHECKED BY	KGP	DATE SEPT 04

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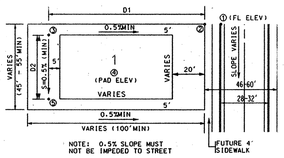
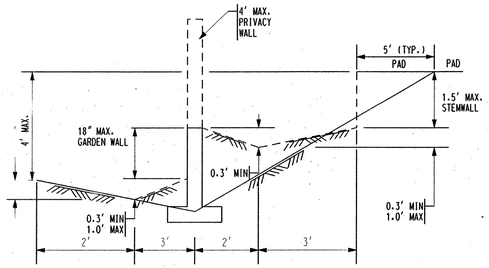


NOTE: 0.5% SLOPE MUST NOT BE IMPEDED TO STREET

TYPICAL LOT GRADING PLAN - A

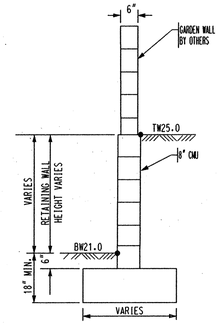
NOT TO SCALE

TO SET SPOT ② - ADD 0.85' TO SPOT ①
TO SET SPOT ③ - MULTIPLY D1 BY 0.5% AND ADD TO SPOT ②
TO SET SPOT ④ - ADD 0.2' TO SPOT ③
TO SET SPOT ⑤ - MULTIPLY D2 BY 0.5% AND SUBTRACT FROM SPOT ③



TYPICAL SIDE LOT LINE SECTION

NOT TO SCALE



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

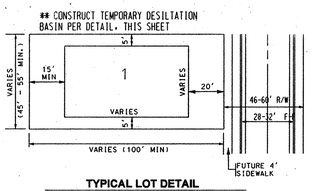
TYPICAL RETAINING WALL NOMENCLATURE

NOT TO SCALE

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

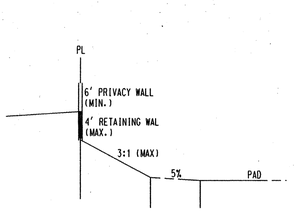
GENERAL NOTES:

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. TWO WORKING DAYS PRIOR TO EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1264) FOR LOCATION OF EXISTING UTILITIES.
4. 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.
5. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
6. 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.
7. CONTRACTOR SHALL RESEED ALL DISTURBED AREAS PER COA STANDARD SPECIFICATION 1012.
8. 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 CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES PER DETAIL THIS SHEET 2 OF 2 AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
9. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL 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.
10. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATIONS.
11. ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOWLINE ELEVATION.
12. ALL GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE GEO-TECHNICAL REPORT PREPARED BY VINEYARD & ASSOC.



TYPICAL LOT DETAIL

NO SCALE



SECTION A-A

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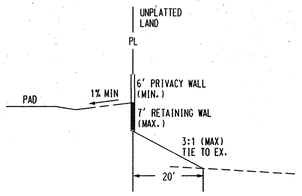
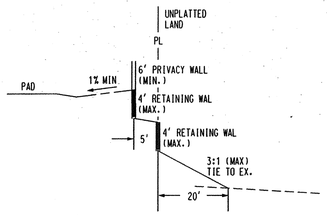


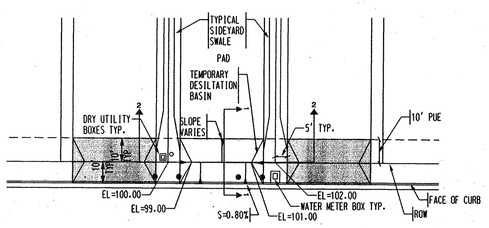
SECTION B-B

NOT TO SCALE



SECTION C-C

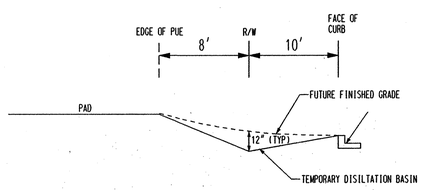
NOT TO SCALE



TEMPORARY DESILTATION BASIN

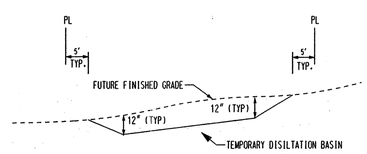
NOT TO SCALE

** BOTTOM OF BASIN IS 1' BELOW PROPERTY LINE ELEVATION SEE GRADING PLANS FOR EXACT ELEVATIONS



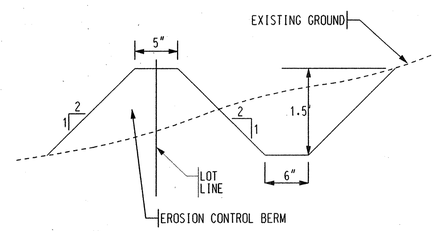
SECTION 1-1

NOT TO SCALE



SECTION 2-2

NOT TO SCALE



EROSION CONTROL PLAN

NOT TO SCALE

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT

AS-BUILT INFORMATION

CONTRACTOR	
STAKED BY	
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS BRASS TABLET STAMPED "2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
N.M. STATE PLANE COORDINATES
(CENTRAL ZONE)
X=357,543.73 Y=1,527,976.48
GROUND-TO-GRID FACTOR = .99966354
DELTA ALPHA. -00°16'30"
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KEVIN G. PATTON NEW MEXICO 13989 REGISTERED PROFESSIONAL ENGINEER
10/28/04

NO.	DATE	REMARKS	BY

REVISIONS

DESIGNED BY	JPP	DATE SEPT 04
DRAWN BY	ARR	DATE SEPT 04
CHECKED BY	KGP	DATE SEPT 04

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

TRACT 2 & 9 SUBDIVISION AT VENTANA RANCH WEST
OVERALL GRADING PLAN DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
N/A for Info				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
XXXXXX	B-8-Z	~~8~~	~~10~~

BHI JOB NO. 050125

25-OCT-2004
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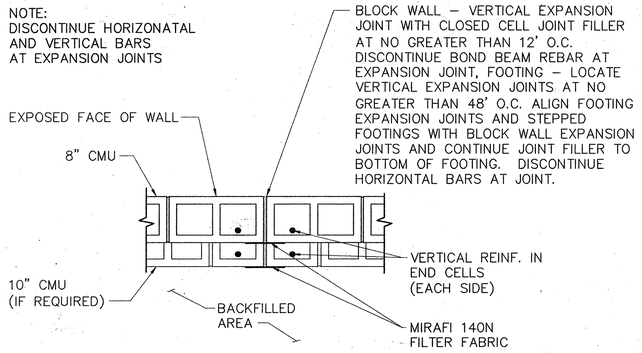
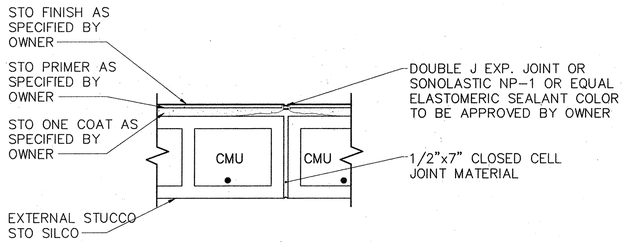
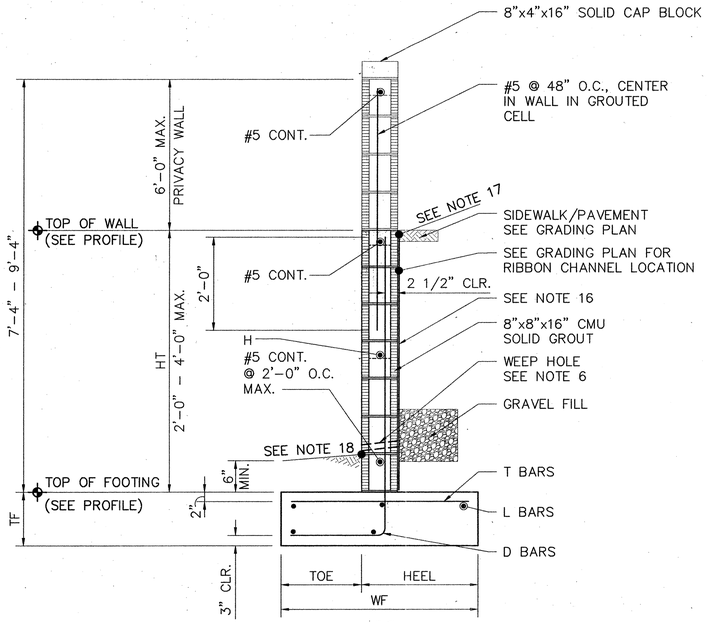


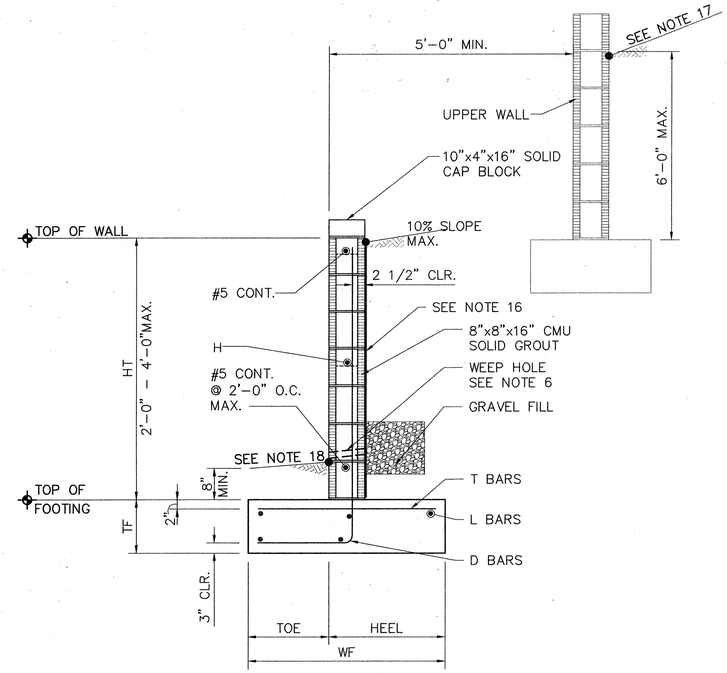
TYPICAL EXPANSION JOINT DETAIL
NO SCALE



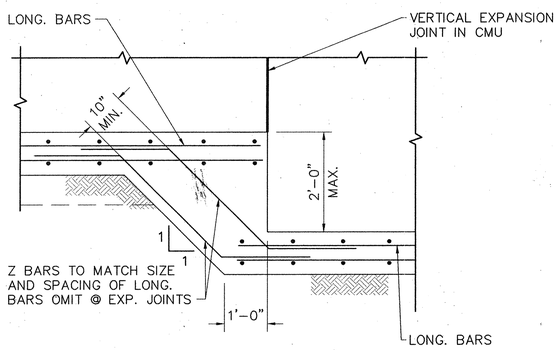
TYPICAL SURFACE TREATMENT AT EXPANSION JOINT
NO SCALE



TYPE 1 AND 2 RETAINING WALLS
NO SCALE TYPICAL RETAINING WALL W/ PRIVACY WALL



TYPE 3 AND 4 RETAINING WALLS
NO SCALE TYPICAL RETAINING WALL 4'-0" MAX. HT



STEP FOOTING DETAIL
NO SCALE

NOTE: SPECIAL INSPECTION PER 2003 IBC CHAPTER 1704.5.3 IS REQUIRED. INSPECTION ITEMS INCLUDE: PLACEMENT OF MASONRY UNITS, REINFORCEMENT, CONNECTORS, ANCHORAGES AND GROUT; QUALITY OF GROUT; REINFORCEMENT GRADE & TYPE. THE OWNERS DESIGNATED SPECIAL INSPECTOR IS VINYARD AND ASSOCIATES INC.

NOTES FOR RETAINING WALLS

1. EARTHWORK: SEE GEOTECHNICAL ENGINEERING SERVICES REPORT BY VINYARD & ASSOCIATES INC., PROJECT No. 04–1–169, ALBUQUERQUE, NEW MEXICO, DATED SEPTEMBER 23, 2004 FOR EARTHWORK INFORMATION AND REQUIREMENTS.
2. RETAINING WALL SHALL NOT BE BACK–FILLED UNTIL AT LEAST 7 DAYS AFTER PLACING OF FINAL GROUT LEVEL. CARE SHOULD BE TAKEN TO AVOID EXERTING IMPACT FORCES ON THE WALL AS COULD BE CAUSED BY A LARGE MASS OF MOVING EARTH. SLOPES UP AWAY FROM WALLS SHOULD NOT EXCEED 3:1.
3. VERTICAL CONTROL JOINTS IN THE WALL AND FOOTING SHALL BE PLACED AS SHOWN ON THE STEP FOOTING AND EXPANSION JOINT DETAILS.
4. MINIMUM LAP SPLICE ON REINFORCING BARS IN MASONRY WALLS SHALL BE 40 BAR DIAMETERS (2' –0" MINIMUM). REINFORCEMENT OF A SIZE AND SPACING OTHER THAN THAT GIVEN IN THE TABLES MAY BE USED PROVIDING SUCH OTHER REINFORCEMENT FURNISHES A STEEL AREA OF AT LEAST EQUAL TO THAT GIVEN IN THE TABLE.
5. CONSTRUCTION OF RETAINING WALLS SHALL CONFORM TO REQUIREMENTS OF THE 2003 IBC, CHAPTER 21, MASONRY. SPECIAL INSPECTION REQUIRED.
6. WEEP HOLES: PLACE A 2' x 1' PIECE OF MIRAFI 140N FILTER FABRIC ON THE BACK OF WALL AT EACH WEEP HOLE LOCATION. PROVIDE A 2"ø WEEP HOLE AT 48" O.C., PROVIDE 1 CUBIC FOOT OF GRAVEL FILL AT EACH WEEP HOLE.
7. DESIGN DATA
   - BLOCK WEIGHT 12" = 135 PSF
   - BLOCK WEIGHT 10" = 105 PSF
   - BLOCK WEIGHT 8" = 85 PSF
   - SOIL WEIGHT = 105 PCF
   - EFP (ACTIVE) = 42 PCF
   - SOIL BEARING PRESSURE = 2000 PCF
   - (1/3 INCREASE FOR WIND/ SEISMIC)
   - COEFFICIENT OF FRICTION = 0.4
   - EFP (PASSIVE) = 300 PCF
   - CONCRETE F'C (28 DAYS) = 3000 PSI
   - GROUT STRENGTH = 2000 PSI
   - CMU GRADE N = 1500 PSI (GROUTED SOLID)
   - REINFORCEMENT = 60 ASTM A–615
8. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO CONCRETE FOOTING POUR FOR INSPECTION OF COMPACTION UNDER FOOTING, FOOTING DEPTH AND WIDTH AND WALL STEEL AND SPACING. FINAL INSPECTION OF FOOTING AND WALL WILL BE REQUIRED.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR CODE ADMINISTRATION APPROVAL AND FEES ASSOCIATED WITH IT.
10. ALL CELLS BELOW GRADE SHALL BE FULLY GROUTED.
11. THE CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT ALL REBAR IS PROPERLY ALIGNED AND TIED IN PLACE BEFORE PLACING CONCRETE. ALL STEEL SHALL BE ACCURATELY LOCATED AND SECURED IN PLACE SO THAT IT REMAINS IN POSITION DURING THE PLACEMENT OF THE CONCRETE. ANY REBAR IMPROPERLY INSTALLED SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER. REBAR STAKES ARE NOT ACCEPTABLE.
12. THE FIRST COURSE OF CMU BLOCK MAY BE PLACED IN FRESH FOOTING CONCRETE. SUBSEQUENT COURSES OF CMU BLOCK SHALL NOT BE PLACED UNTIL 7 DAYS AFTER THE FOOTING IS CAST.
13. ALL EXPOSED CMU BLOCK TO BE STUCCO/PAINTED. THE CONTRACTOR SHALL COORDINATE COLOR/FINISH WITH THE OWNER.
14. ALL CMU BLOCK JOINTS SHALL BE TOOLED.
15. MIRAFI 140N FILTER FABRIC, 1 FOOT WIDE SHALL BE PLACED ON THE BACK OF THE WALL AT EACH EXPANSION JOINT. THE FABRIC SHALL EXTEND DOWN FROM THE TOP OF THE WALL EXTENDING 6" OVER THE TOP OF THE FOOTING.
16. WATERPROOFING: SONNEBORN HLM 5000 (T.S. OR R CONSTRUCTOR OPTION) WET MILL THICKNESS 55–65 MIL. USE SONNEBORN 50 MIL. PROTECTION COURSE II TO PROTECT WATERPROOFING DURING BACKFILLING.
17. MAX DESIGN FILL SLOPE IS 3:1 WHERE APPLICABLE, SEE CIVIL DRAWINGS.
18. MAX SLOPE AWAY FROM THE WALL @ THE TOE SIDE SHALL BE 3:1.

AS-BUILT INFORMATION
CONTRACTOR — DATE
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

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
CARLOS E. LONDON
NEW MEXICO
No. 7757
REGISTERED PROFESSIONAL ENGINEER

No.	Date	REMARKS	By
		REVISIONS	
		DESIGN	

Designed By: GEL — DATE: 11/10/04
Drawn By: KM — DATE: 11/10/04
Checked By: GEL — DATE: 11/10/04

Bohannan Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WESTERN RIDGE
AT VENTANA RANCH WEST
RETAINING WALL DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
N/A	for Info			

City Project No. | Zone Map No. B-8-Z | Sheet 9 | Of 10

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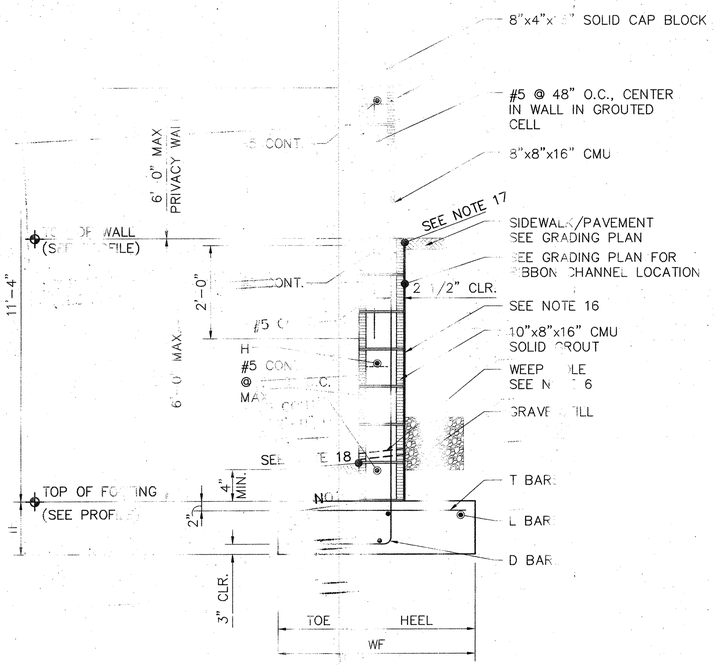
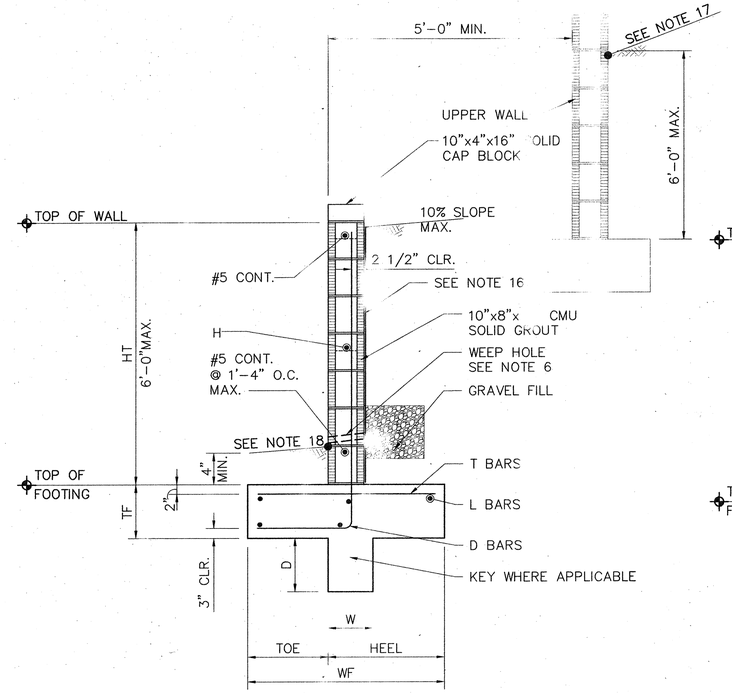
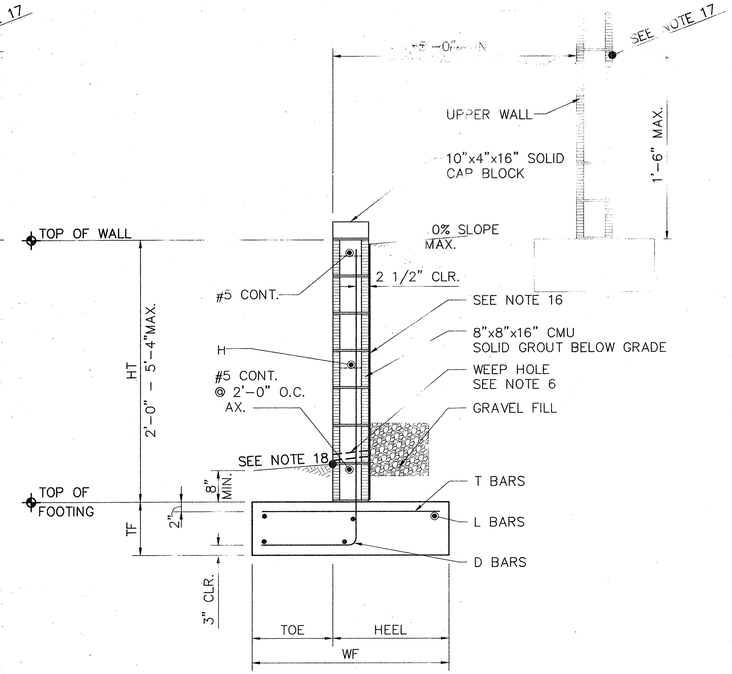
January 12, 2005 – 3:31pm



TYPE 5 RETAINING WALL
NO SCALE — TYPICAL RETAINING WALL 6'-0" MAX HEIGHT W/ PRIVACY WALL



TYPE 6 RETAINING WALL
NO SCALE — TYPICAL RETAINING WALL 6'-0" MAX. HT



TYPE 7,8, AND 9 RETAINING WALLS
NO SCALE — TYPICAL RETAINING WALL 6'-0" MAX. HT

REINFORCED CONCRETE TENSION LAP SPLICES

BAR	LENGTH (IN)
4	18
5	22
	26
	44
8	54

NOTE: SEE RETAINING WALL DETAILS, SHEET ____ FOR RETAINING WALL NOTES.

DIMENSIONS

WALL TYPE	HT	TF (IN)	TOE (IN)	HEEL (IN)	WF (IN)	KEY W	KEY D
1	2'-0"	12	10	20	30	–	–
2	4'-0"	12	13	21	34	–	–
3	2'-0"	12	4	14	18	–	–
4	4'-0"	12	12	28	40	–	–
5	6'-0"	14	18	30	48	–	–
6	6'-0"	14	18	30	48	10	12
7	2'-0"	12	4	14	18	–	–
8	4'-0"	12	9	24	33	–	–
9	5'-4"	14	18	30	48	–	–

REINFORCING

WALL TYPE	D SIZE	D SPACE	L SIZE	L NO. REQ'D	T SIZE	T SPACE	H SIZE	H SPACE
1	5	48	4	4	4	18	5	24
2	5	48	4	4	4	18	5	24
3	5	48	4	2	4	18	5	24
4	5	24	4	5	4	18	5	24
5	5	24	5	5	4	16	5	16
6	5	24	5	5	4	16	5	16
7	5	48	4	2	4	18	5	24
8	5	48	4	5	4	18	5	24
9	5	24	5	5	4	16	5	24

AS-BUILT INFORMATION
CONTRACTOR — DATE
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

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GREGORY E. LANDON — NEW MEXICO — No. 7757 — REGISTERED PROFESSIONAL ENGINEER

No.	Date	REMARKS	By
		REVISIONS	
		DESIGN	

Designed By: GEL — DATE: 11/10/04
Drawn By: KM — DATE: 11/10/04
Checked By: GEL — DATE: 11/10/04

Bohannan Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WESTERN RIDGE
AT VENTANA RANCH WEST
RETAINING WALL DETAILS

Design Review Committee: N/A FOR Info.
City Engineer Approval
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.
City Project No.
Zone Map No. B-8-2
Sheet 10 Of 10

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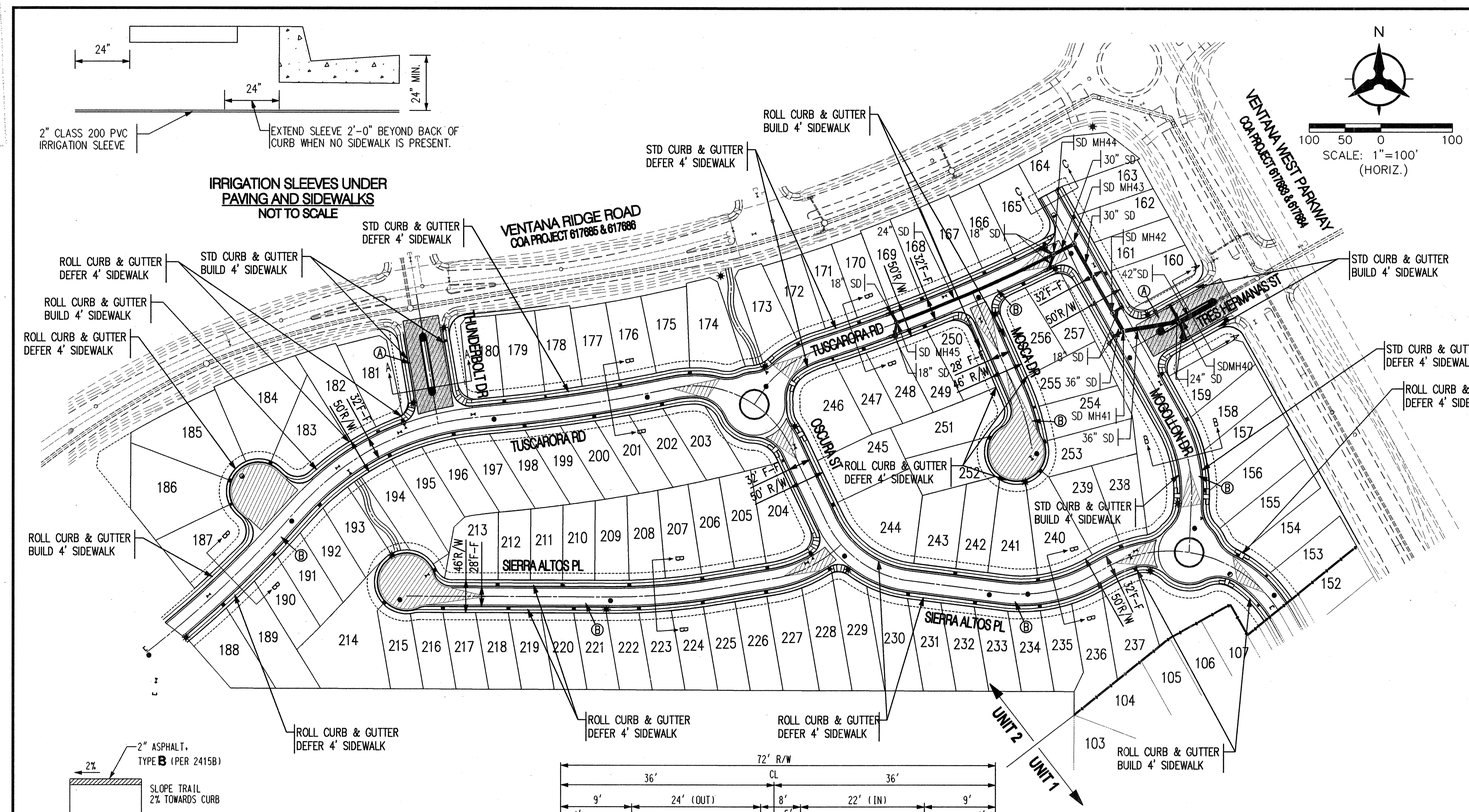
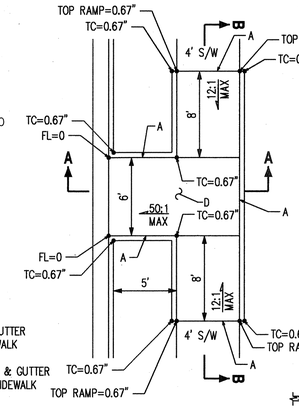
January 25, 2005 - 7:58am



IRRIGATION SLEEVES UNDER PAVING AND SIDEWALKS
NOT TO SCALE



DETAIL "B"
HANDICAP RAMPS AT ROUNDABOUT
NOT TO SCALE

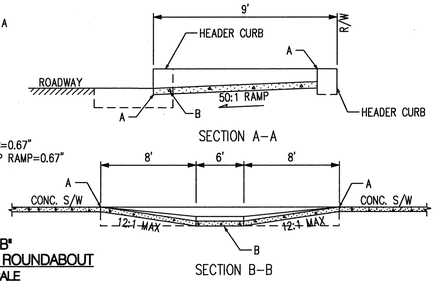
GENERAL NOTES:

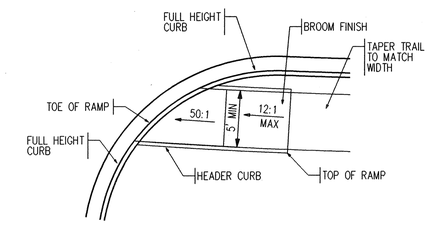
A. 1/2" EXPANSION JOINT SHALL BE PROVIED AT ALL INTERFACES OF RAMP WITH HEADER CURB, SIDEWALK OR A.C. TRAIL.

B. 4" CONCRETE ON 6" SUBGRADE COMPACTED AT 95%

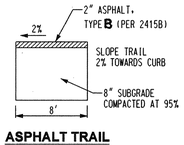
C. CONTRACTION JOINT.

D. SURFACE TEXTURE OF WHEELCHAIR RAMPS SHALL BE OBTAINED BY HEAVY BROOMING (TEXTURE DEPTH 0.035") TRANSVERSE TO THE SLOPE OF RAMP.

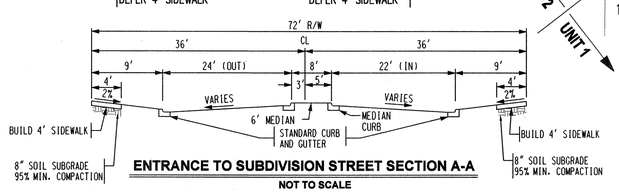




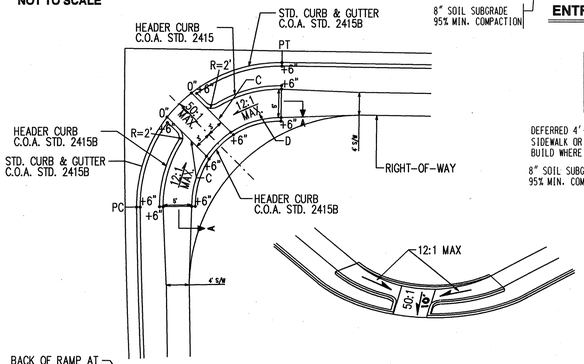
DETAIL "C"
UNILATERAL WHEEL CHAIR RAMP
NOT TO SCALE

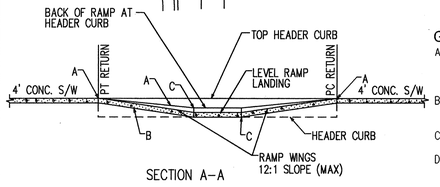


ASPHALT TRAIL
NOT TO SCALE



ENTRANCE TO SUBDIVISION STREET SECTION A-A
NOT TO SCALE





GENERAL NOTES:

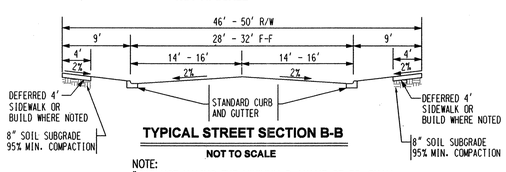
A. 1/2" EXPANSION JOINT SHALL BE PROVIED AT ALL INTERFACES OF RAMP WITH HEADER CURB, SIDEWALK OR A.C. TRAIL.

B. 4" CONCRETE ON 8" SUBGRADE COMPACTED AT 95%

C. CONTRACTION JOINT.

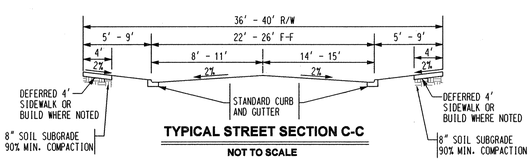
D. SURFACE TEXTURE OF WHEELCHAIR RAMPS SHALL BE OBTAINED BY HEAVY BROOMING (TEXTURE DEPTH 0.035") TRANSVERSE TO THE SLOPE OF RAMP.

DETAIL "A"
WHEELCHAIR RAMP DETAILS
NOT TO SCALE



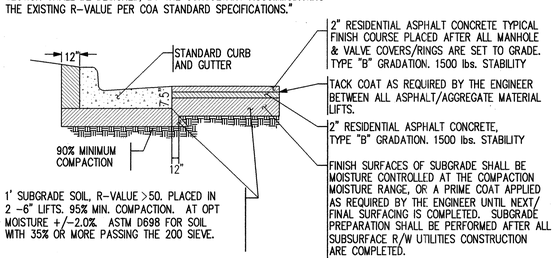
TYPICAL STREET SECTION B-B
NOT TO SCALE

NOTE:
"SOIL NOT HAVING THE MINIMUM R-VALUE OF 50, SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED, BY THE CONTRACTOR, WITH SUITABLE MATERIAL OR PAVEMENT SECTION SHALL BE DESIGNED, BY THE CONSULTANT ACCOMMODATING THE EXISTING R-VALUE PER COA STANDARD SPECIFICATIONS."

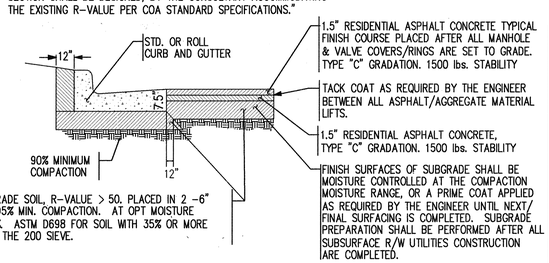


TYPICAL STREET SECTION C-C
NOT TO SCALE

NOTE:
"SOIL NOT HAVING THE MINIMUM R-VALUE OF 50, SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED, BY THE CONTRACTOR, WITH SUITABLE MATERIAL OR PAVEMENT SECTION SHALL BE DESIGNED, BY THE CONSULTANT ACCOMMODATING THE EXISTING R-VALUE PER COA STANDARD SPECIFICATIONS."



ENTRANCE TO SUBDIVISION PAVEMENT SECTION
NOT TO SCALE
(INSTALL PER STD DWG 2405B)



TYPICAL SUBDIVISION PAVEMENT SECTION
(REFER TO COA STD. DWG. 2405A)
NOT TO SCALE

(A) LIMITS OF PAVEMENT SECTION AT SHADED AREA (B)

LEGEND

- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- FUTURE CURB AND GUTTER
- PROPOSED STORM DRAIN MANHOLE
- EXISTING STORM DRAIN MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- PROPOSED STREET LIGHT
- 10' OR 8' ASPHALT TRAIL
- CROWN FLATTENING

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

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST OVERALL PAVING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED CITY ENGINEER REVIEW CR	APPROVED SEP 26 2005 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	18	37

BHI JOB NO. 050125

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED"2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
KEVIN G. PATTON NEW MEXICO 12641 REGISTERED PROFESSIONAL ENGINEER
3/24/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

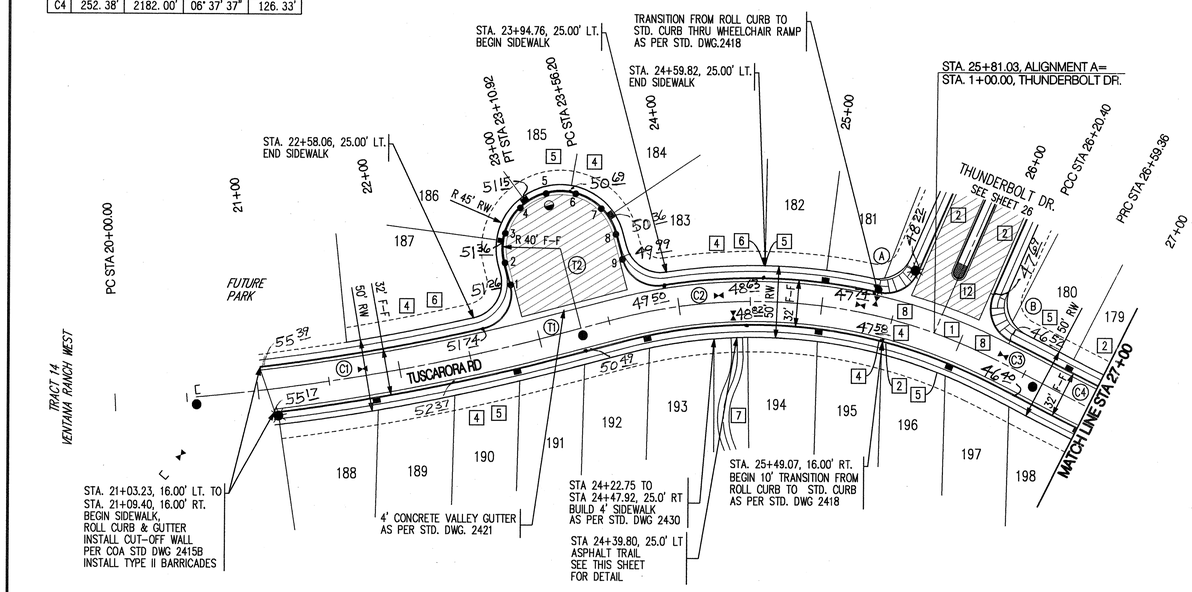
		DATE
DESIGNED BY	JL/JPP	NOV 04
DRAWN BY	ARR/JL	NOV 04
CHECKED BY	KGP	NOV 04

14-MAR-2005 - P:\050125\cdp\general\Unit2\050125apave.dgn

SCANNED BY PW

CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	254.57'	1500.00'	09° 43' 26"	127.59'
C2	264.20'	375.00'	40° 22' 00"	137.85'
C3	38.96'	1068.00'	02° 05' 24"	19.48'
C4	252.38'	2182.00'	06° 37' 37"	126.33'

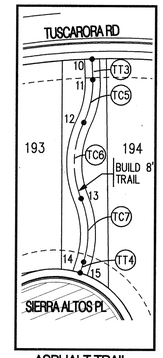
CL Tangent Table		
ID	BEARING	LENGTH
T1	N42° 10' 09"E	45.29'
T2	S47° 49' 51"E	57.41'



ALIGNMENT A 20+00 - 27+00

TRAIL Tangent Table		
ID	BEARING	LENGTH
TT3	S35° 03' 28"E	11.05'
TT4	S15° 40' 54"E	6.05'

TRAIL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
TC5	23.99'	50.00'	27° 29' 19"	12.23'
TC6	41.67'	50.00'	47° 45' 21"	22.13'
TC7	34.60'	50.00'	39° 38' 37"	18.02'



ASPHALT TRAIL
NO SCALE

TRAIL Point Table			
●	EASTING	NORTHING	ELEVATION
10	349987.97	1527760.70	5549.18
11	349994.31	1527751.66	5549.29
12	350002.95	1527729.53	5549.66
13	350024.07	1527694.99	5550.09
14	350042.72	1527670.66	5550.01
15	350045.40	1527661.56	5549.75

KNUCKLE Point Table			
●	STATION	OFFSET	ELEVATION
1	22+89.22	41.54' LT.	5551.12
2	22+89.00	57.30' LT.	5551.17
3	22+94.37	77.36' LT.	5551.11
4	23+09.82	92.07' LT.	5550.91
5	23+29.89	97.41' LT.	5550.68
6	23+49.88	92.02' LT.	5550.46
7	23+63.09	77.44' LT.	5550.23
8	23+68.03	57.57' LT.	5550.00
9	23+68.52	39.46' LT.	5549.81

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
6. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
7. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
8. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
9. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
10. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
11. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

(A) FLOWLINE DATA FOR CURB RETURN

PC	47.96
1	47.84
2	47.73
3	47.61
PT	47.50
PI	47.26

D = 79°15'29"
R = 25.00'
T = 20.70'
L = 34.58'
C = 31.89'

PC STA. 25+58.64, 37.07' LT.
PT STA. 25+36.28, 16.00' LT.
PI STA. 25+56.04, 16.00' LT.
RAD STA. 25+36.28, 41.00' LT.

(B) FLOWLINE DATA FOR CURB RETURN

PC	46.34
1	46.62
2	46.90
3	47.19
PT	47.47
PI	46.62

D = 87°18'45"
R = 25.00'
T = 23.85'
L = 38.10'
C = 34.52'

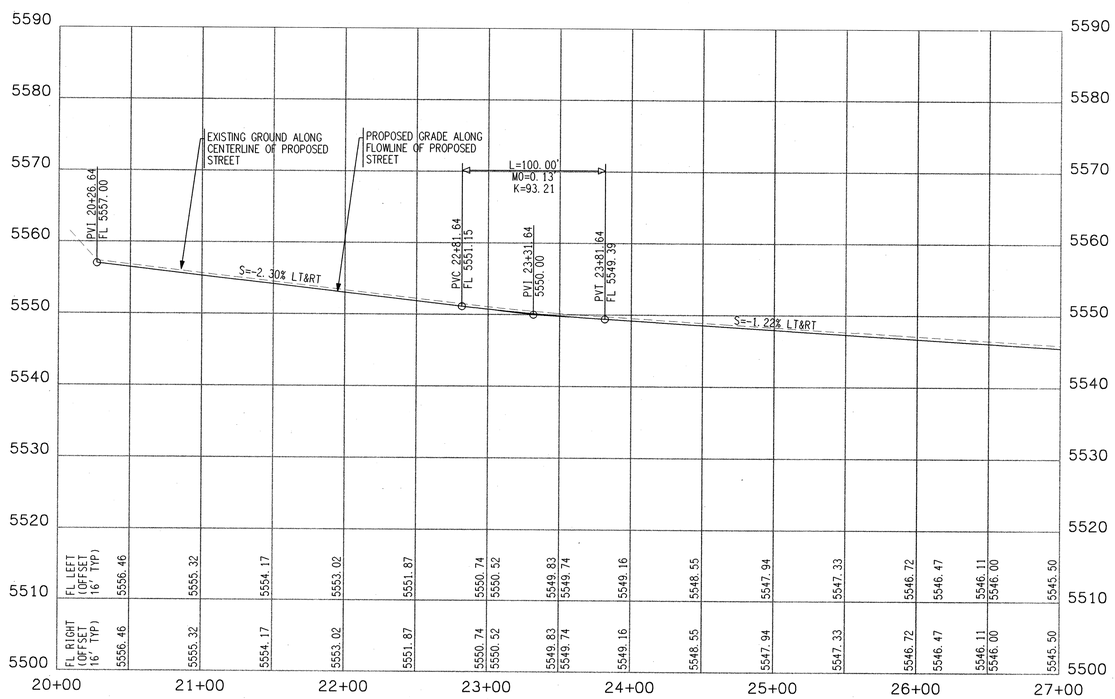
PC STA. 26+31.14, 16.00' LT.
PT STA. 26+07.90, 40.25' LT.
PI STA. 26+07.99, 16.00' LT.
RAD STA. 26+31.14, 41.00' LT.

N

50 25 0 50
SCALE: 1" = 50'
(HORIZ.)

KEYED NOTES

1. INSTALL 6' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. STD. CURB & GUTTER AS PER STD. DWG. 2415 A
3. MEDIAN CURB & GUTTER AS PER STD DWG. 2415 B
4. ROLL CURB & GUTTER AS PER STD. DWG. 2415 A
5. DEFERRED 4' SIDEWALK
6. BUILD 4' SIDEWALK AS PER STD. DWG. 2430
7. BUILD 8' ASPHALT TRAIL AS PER DETAIL SHEET 18
8. BUILD WHEELCHAIR RAMP AS PER DETAIL "A" SHEET 18
9. BUILD WHEELCHAIR RAMP AS PER DETAIL "B" SHEET 18
10. BUILD WHEELCHAIR RAMP AS PER DETAIL "C" SHEET 18
11. INSTALL 12' CONCRETE VALLEY GUTTER AS PER STD. DWG 2422
12. BUILD 4" TEXTURED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE (BAJA RED) MEDIAN NOSES SHALL BE PAINTED YELLOW TO APPROX. 6' BEHIND PC/PT PER COA STD. DWG. 2408



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27 20

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

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

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
PAVING PLAN & PROFILE
ALIGNMENT A 20+00 - 27+00

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVAL	APPROVED SEP 26 2005 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	19	37

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

14-MAR-2005 -
P:\050125\cdp\ppp\Unit2\050125pppg01.dgn

AS-BUILT INFORMATION
CONTRACTOR STAKED BY SAUS
INSPECTOR'S ACCEPTANCE BY SAC DATE 1/6
FIELD VERIFICATION BY SURVTEK DATE 01/06
DRAWINGS CORRECTED BY SURVTEK DATE 01/06
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

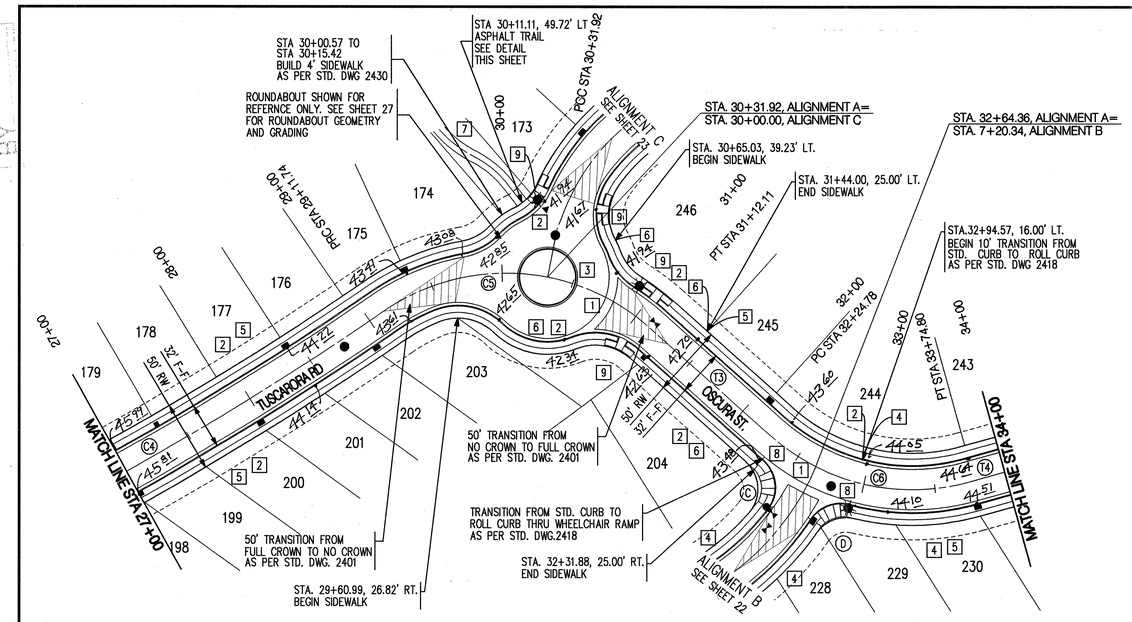
ENGINEER'S SEAL
KEVIN G. PATTON NEW MEXICO 13981 PROFESSIONAL ENGINEER
3/14/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	JL/JPP	DEC 04
DRAWN BY	ARR/JL/DM	DEC 04
CHECKED BY	KGP	DEC 04

NGVD 1929 ELEVATION = 5429.35

SCANNED BY



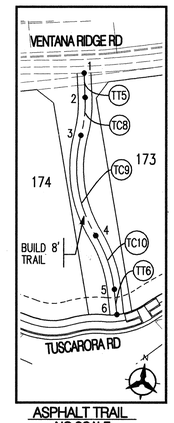
NOTE:
SEE SHEET 22 FOR
QUARTER POINT FLOWLINE
ELEVATION TABLES FOR C & D

CL Tangent Table		
ID	BEARING	LENGTH
T3	N25° 27' 45" W	112. 67'
T4	N82° 45' 49" W	132. 80'

CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C4	252. 38'	2182. 00'	06° 37' 37"	126. 33'
C5	200. 38'	150. 00'	76° 32' 19"	118. 33'
C6	150. 01'	150. 00'	57° 18' 04"	81. 95'

TRAIL Tangent Table		
ID	BEARING	LENGTH
TT5	N11° 04' 05" W	14. 23'
TT6	N15° 13' 11" W	15. 00'

TRAIL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
TC8	22. 36'	75. 00'	17° 05' 06"	11. 27'
TC9	60. 69'	75. 00'	46° 21' 47"	32. 12'
TC10	32. 89'	75. 00'	25° 07' 36"	16. 71'



ASPHALT TRAIL
NO SCALE

TRAIL Point Table			
•	EASTING	NORTHING	ELEVATION
1	350506. 68	1528057. 31	5544. 07
2	350509. 41	1528043. 35	5543. 96
3	350510. 39	1528021. 09	5543. 76
4	350527. 82	1527964. 67	5543. 25
5	350543. 02	1527935. 81	5542. 97
6	350546. 96	1527921. 33	5542. 85

SCALE: 1" = 50'
(HORIZ.)

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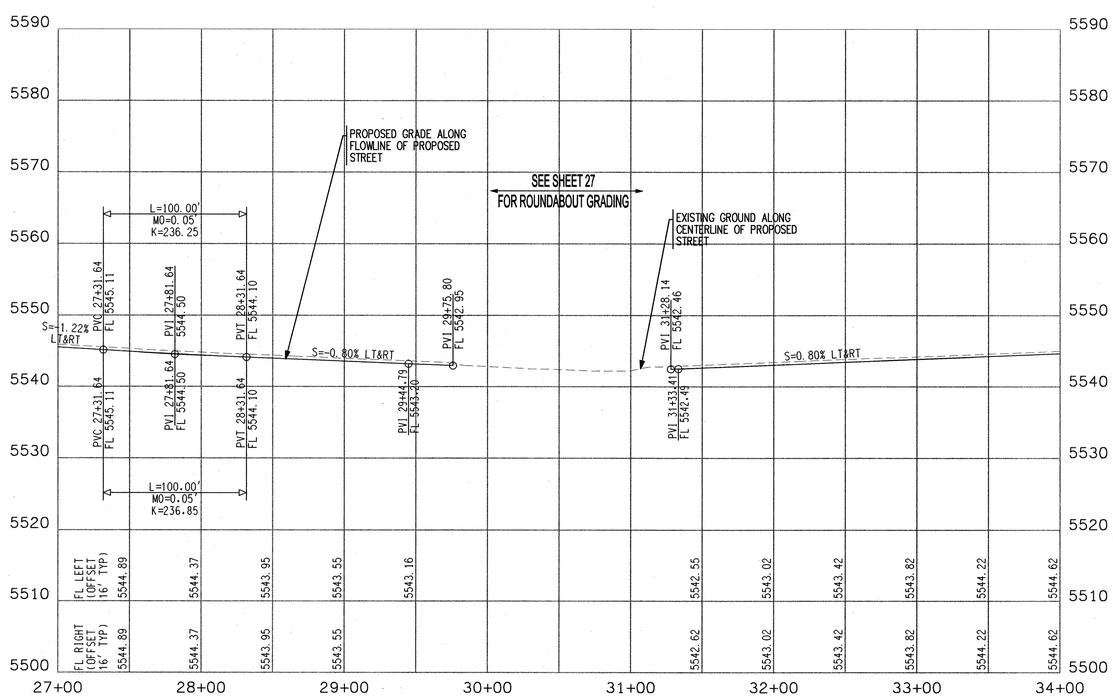
ALIGNMENT A 27+00 - 34+00



KEYED NOTES

1. INSTALL 6' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. STD. CURB & GUTTER AS PER STD. DWG. 2415 A
3. MEDIAN CURB & GUTTER AS PER STD DWG. 2415 B
4. ROLL CURB & GUTTER AS PER STD. DWG. 2415 A
5. DEFERRED 4' SIDEWALK
6. BUILD 4' SIDEWALK AS PER STD. DWG. 2430
7. BUILD 8' ASPHALT TRAIL AS PER DETAIL SHEET 18
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12. BUILD 4" TEXTURED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE (BAJA RED) MEDIAN NOSES SHALL BE PAINTED YELLOW TO APPROX. 6' BEHIND PC/PT PER COA STD. DWG. 2408

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27-06

PROFESSIONAL SURVEYOR
STATE OF NEW MEXICO
No. 9750
RUSS P. HUGG

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

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
PAVING PLAN & PROFILE
ALIGNMENT A 27+00 - 34+00

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 1 8 2005	APPROVED SEP 2 6 2005 CITY ENGINEER	LAST DESIGN UPDATE		

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	JL/JPP	DEC 04
DRAWN BY	ARR/JL/DM	DEC 04
CHECKED BY	KGP	DEC 04

ENGINEER'S SEAL
KEVIN G. PATTON NEW MEXICO 13689 REGISTERED PROFESSIONAL ENGINEER
1-27-06

AS-BUILT INFORMATION
CONTRACTOR SALC BRO
WORK STAKED BY SURV TEK DATE 1/6
ACCEPTANCE BY SEC DATE
FIELD VERIFICATION BY SURV TEK DATE 01/06
DRAWINGS CORRECTED BY SURV TEK DATE 01/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. NO.

BENCH MARKS
ACS BRASS TABLET STAMPED"2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	20	37

14-MAR-2005 -
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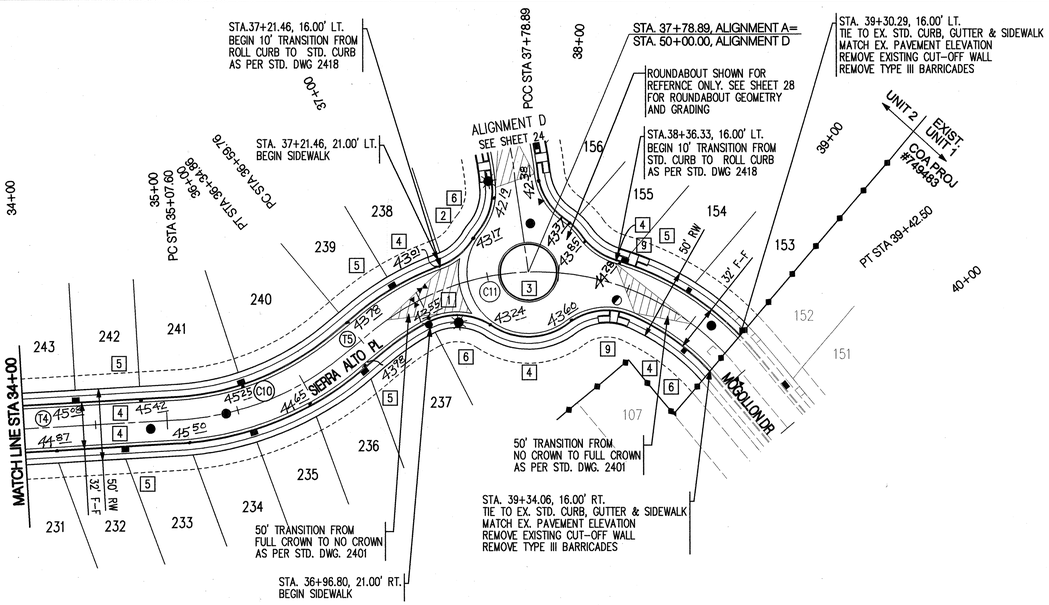

CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C10	127.26'	200.00'	36°27'29"	65.87'
C11	272.25'	180.00'	86°39'31"	169.80'

CL Tangent Table		
ID	BEARING	LENGTH
T4	S82°45'49"E	132.80'
T5	N60°46'42"E	24.90'

N

SCALE: 1" = 50'
(HORIZ.)

NOTES

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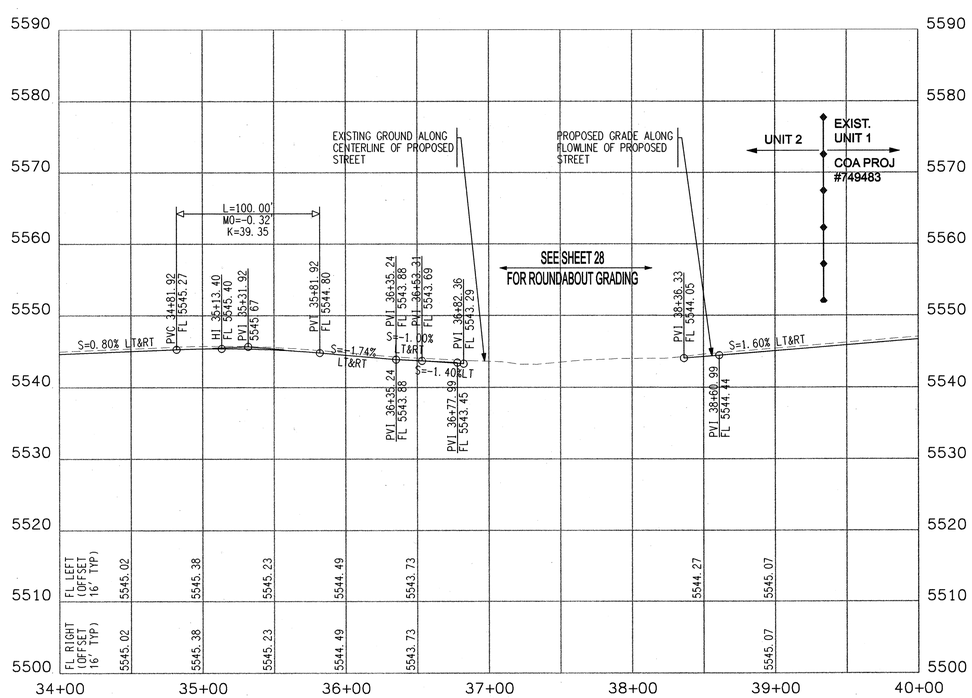
ALIGNMENT A 34+00 - 40+00



SURVEYORS CERTIFICATION

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Russ P. Hugg
NMPS No. 9750
1-27-06

NEW MEXICO PROFESSIONAL SURVEYOR STATE OF No. 9750 RUSS P. HUGG

KEYED NOTES

1. INSTALL 6' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. STD. CURB & GUTTER AS PER STD. DWG. 2415 A
3. MEDIAN CURB & GUTTER AS PER STD DWG. 2415 B
4. ROLL CURB & GUTTER AS PER STD. DWG. 2415 A
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6. BUILD 4' SIDEWALK AS PER STD. DWG. 2430
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9. BUILD WHEELCHAIR RAMP AS PER DETAIL "B" SHEET 18
10. BUILD WHEELCHAIR RAMP AS PER DETAIL "C" SHEET 18
11. INSTALL 12' CONCRETE VALLEY GUTTER AS PER STD. DWG 2422
12. BUILD 4" TEXTURED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE (BAJA RED) MEDIAN NOSES SHALL BE PAINTED YELLOW TO APPROX. 6' BEHIND PC/PT PER COA STD. DWG. 2408

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

AS-BUILT INFORMATION
CONTRACTOR SAUS BRO
WORK STAKED BY SURV TEK
SURVEY INSPECTOR'S ACCEPTANCE BY SAC DATE 1/6
FIELD VERIFICATION BY SURV TEK DATE 01/06
DRAWINGS CORRECTED BY SURV TEK DATE 01/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RUSS P. HUGG NEW MEXICO 13986 PROFESSIONAL SURVEYOR
1-27-06

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	JL/JPP	DEC 04
DRAWN BY	ARR/JL/DM	DEC 04
CHECKED BY	KGP	DEC 04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
PAVING PLAN & PROFILE
ALIGNMENT A 34+00 - 40+00

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 1 8 2005 DESIGN REVIEW COMMITTEE	APPROVED SEP 2 6 2005 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	21	37

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

14-MAR-2005 -
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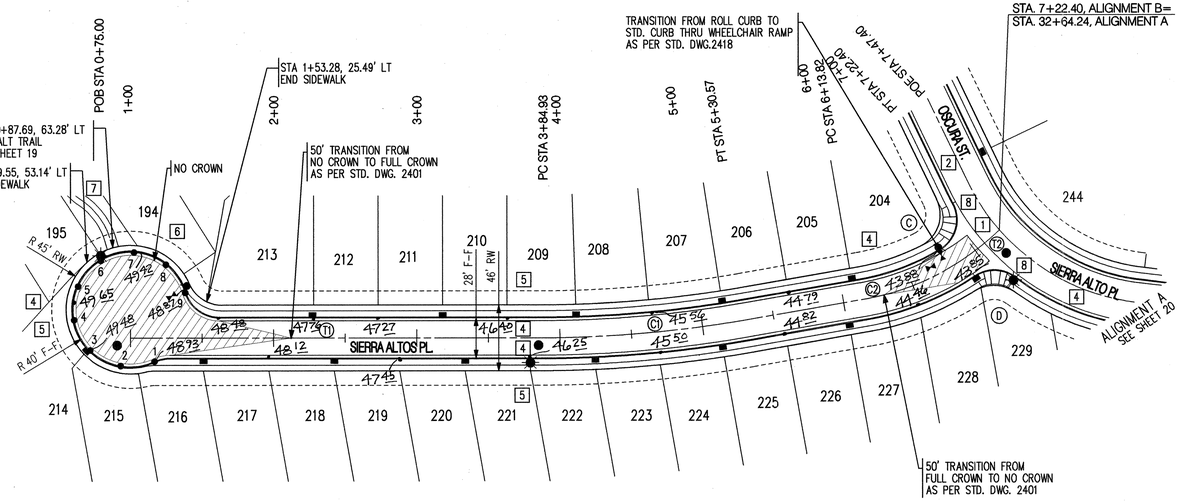
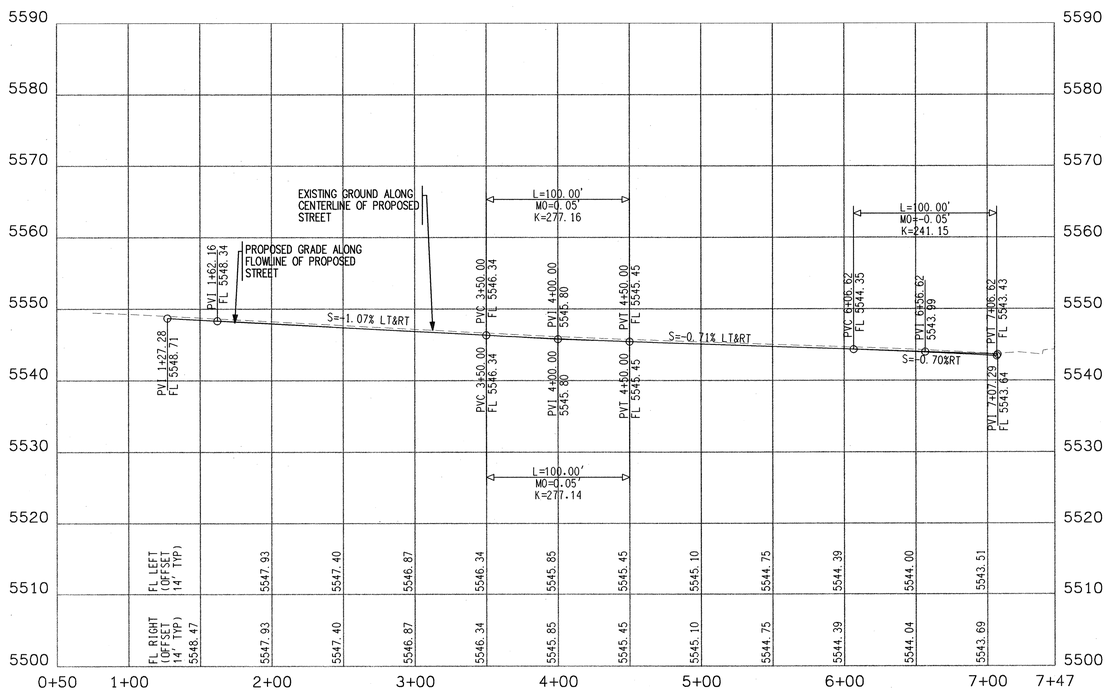


ALIGNMENT B



Ⓒ FLOWLINE DATA FOR CURB RETURN

PC	43.27
1	43.39
2	43.50
3	43.62
PT	43.73
PI	43.43

D = 87°53'55"
R = 25.00'
T = 24.10'
L = 38.35'
C = 34.70'

PC STA. 7+10.07, 35.90' LT.
PT STA. 6+78.70, 14.00' LT.
PI STA. 7+06.62, 14.00' LT.
RAD STA. 6+78.70, 39.00' LT.

Ⓓ FLOWLINE DATA FOR CURB RETURN

PC	43.76
1	43.76
2	43.77
3	43.77
PT	43.77
PI	43.64

D = 71°49'03"
R = 25.00'
T = 18.10'
L = 31.34'
C = 29.32'

PC STA. 6+89.71, 14.00' RT.
PT STA. 7+09.87, 32.53' RT.
PI STA. 7+07.29, 14.00' RT.
RAD STA. 6+89.71, 39.00' RT.

CL Curve Table

ID	ARC	RADIUS	DELTA	TANGENT
C1	145.63'	850.00'	09°49'00"	73.00'
C2	108.58'	180.00'	34°33'42"	56.00'

CL Tangent Table

ID	BEARING	LENGTH
T1	N89°48'19"W	284.93'
T2	S80°22'41"W	83.25'

CUL-DE-SAC Point Table

●	STATION	OFFSET	ELEVATION
1	1+16.79	16.31' RT.	5548.83
2	0+93.11	19.40' RT.	5549.09
3	0+71.89	8.46' RT.	5549.34
4	0+60.69	12.62' LT.	5549.48
5	0+63.49	36.33' LT.	5549.51
6	0+79.29	54.22' LT.	5549.41
7	1+02.48	59.92' LT.	5549.19
8	1+24.78	51.40' LT.	5548.93
9	1+38.25	31.69' LT.	5548.68

N

SCALE: 1" = 50'
(HORIZ.)

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KEYED NOTES

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3. MEDIAN CURB & GUTTER AS PER STD DWG. 2415 B
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NMPS No. 9750
1-27 20 06

STATE OF NEW MEXICO PROFESSIONAL SURVEYOR No. 9750 RUSS P. HUGG

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
PAVING PLAN & PROFILE
ALIGNMENT B

AS-BUILT INFORMATION
CONTRACTOR SMS BRO
WORK STAKED BY SURV TEK
ACCEPTANCE BY SAC DATE 1/6
FIELD VERIFICATION BY SURV TEK DATE 01/06
DRAWINGS CORRECTED BY SURV TEK DATE 01/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. NGVD 1929 ELEVATION = 5429.35

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KEVIN G. PATTON NEW MEXICO 13008 PROFESSIONAL ENGINEER
3/14/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	JL/JPP	DATE DEC 04
DRAWN BY	ARR/JL/DM	DATE DEC 04
CHECKED BY	KGP	DATE DEC 04

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 14 2005 DESIGN REVIEW CO.	APPROVED SEP 26 2005 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	22	37

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

14-MAR-2005 -
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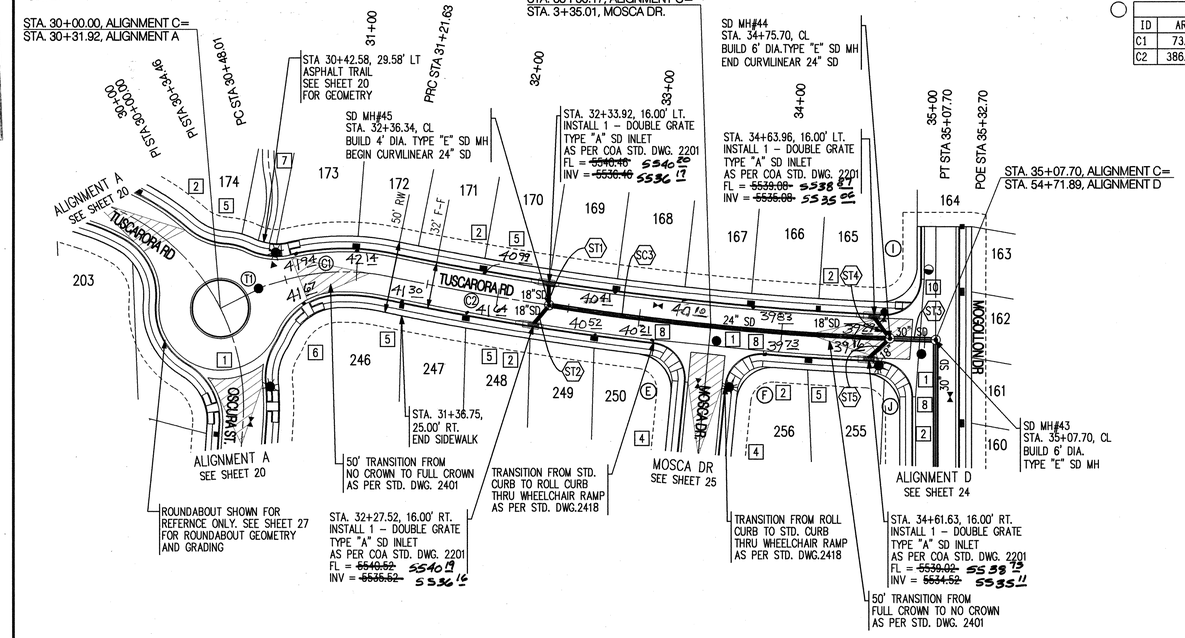
SCANNED BY Pul



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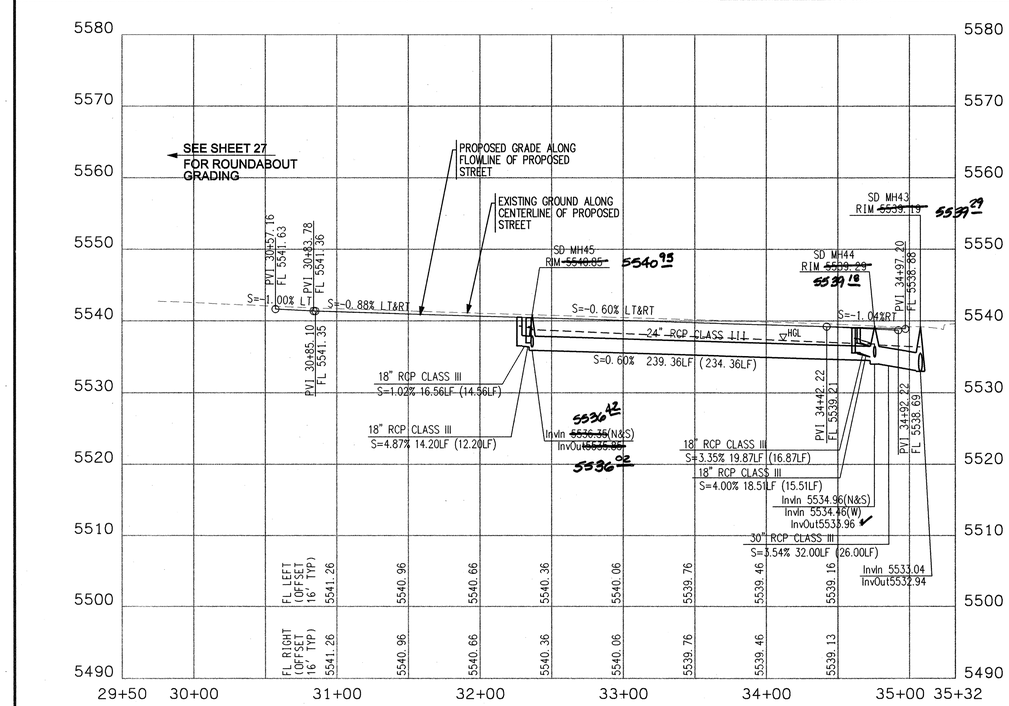

CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	73.62'	150.00'	28°07'15"	37.57'
C2	386.07'	2182.00'	10°08'15"	193.54'

CL Tangent Table	
ID	BEARING
T1	S33°54'23"W

STORM DRAIN TANGENT & FLOW TABLE						
ID	ARC	RADIUS	DELTA	TANGENT	Q(cfs)	V(f/s)	DEPTH
SC3	239.36'	2182.00'	06°17'06"	119.80'	19.12	06.43	21.55"

STORM DRAIN TANGENT & FLOW TABLE					
ID	BEARING	LENGTH	Q(cfs)	V(f/s)	DEPTH
ST1	N30°21'22"W	14.20'	9.56	15.63	6.80"
ST2	S11°45'06"W	16.56'	9.56	10.61	13.32"
ST3	S62°41'43"W	32.00'	35.88	7.31	30.00"
ST4	N65°54'01"W	18.51'	8.38	13.31	6.95"
ST5	S18°33'52"W	19.87'	8.38	9.50	8.99"

I FLOWLINE DATA FOR CURB RETURN

PC	39.04
1	39.04
2	39.04
3	39.04
PT	39.04
PI	38.88

D = 92°27'46"
R = 25.00'
T = 26.10'
L = 40.34'
C = 36.11'

PC STA. 34+96.38, 41.93' LT.
PT STA. 34+70.91, 16.00' LT.
PI STA. 34+97.20, 16.00' LT.
RAD STA. 34+70.91, 41.00' LT.

J FLOWLINE DATA FOR CURB RETURN

PC	38.94
1	38.84
2	38.74
3	38.64
PT	38.55
PI	38.69

D = 87°28'24"
R = 25.00'
T = 23.92'
L = 38.17'
C = 34.57'

PC STA. 34+68.48, 16.00' RT.
PT STA. 34+93.01, 40.04' RT.
PI STA. 34+92.22, 16.00' RT.
RAD STA. 34+68.48, 41.00' RT.

NOTE:
SEE SHEET 25 FOR
QUARTER POINT FLOWLINE
ELEVATION TABLES FOR E & F

SCALE: 1" = 50'
(HORIZ.)

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
6. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
7. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
8. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
9. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
10. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
11. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926. 650 SUBPART P.

KEYED NOTES

1. INSTALL 6' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. STD. CURB & GUTTER AS PER STD. DWG. 2415 A
3. MEDIAN CURB & GUTTER AS PER STD DWG. 2415 B
4. ROLL CURB & GUTTER AS PER STD. DWG. 2415 A
5. DEFERRED 4' SIDEWALK
6. BUILD 4' SIDEWALK AS PER STD. DWG. 2430
7. BUILD 8' ASPHALT TRAIL AS PER DETAIL SHEET 18
8. BUILD WHEELCHAIR RAMP AS PER DETAIL "A" SHEET 18
9. BUILD WHEELCHAIR RAMP AS PER DETAIL "B" SHEET 18
10. BUILD WHEELCHAIR RAMP AS PER DETAIL "C" SHEET 18
11. INSTALL 12' CONCRETE VALLEY GUTTER AS PER STD. DWG 2422
12. BUILD 4" TEXTURED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE (BAJA RED) MEDIAN NOSES SHALL BE PAINTED YELLOW TO APPROX. 6' BEHIND PC/PT PER COA STD. DWG. 2408

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27-06

STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

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

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
PAVING PLAN & PROFILE
ALIGNMENT C

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 18 2005	APPROVED SEP 26 2005 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	23	37

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

14-MAR-2005
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AS-BUILT INFORMATION
CONTRACTOR SALL TEC
WORK STAKED BY SURV TEK DATE 11/6
ACCEPTANCE BY 9RC DATE
FIELD VERIFICATION BY SURV TEK DATE 01/06
DRAWINGS CORRECTED BY SURV TEK DATE 01/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO/VD 1929 ELEVATION = 5429.35 NO.

BENCH MARKS
ACS BRASS TABLET STAMPED"2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

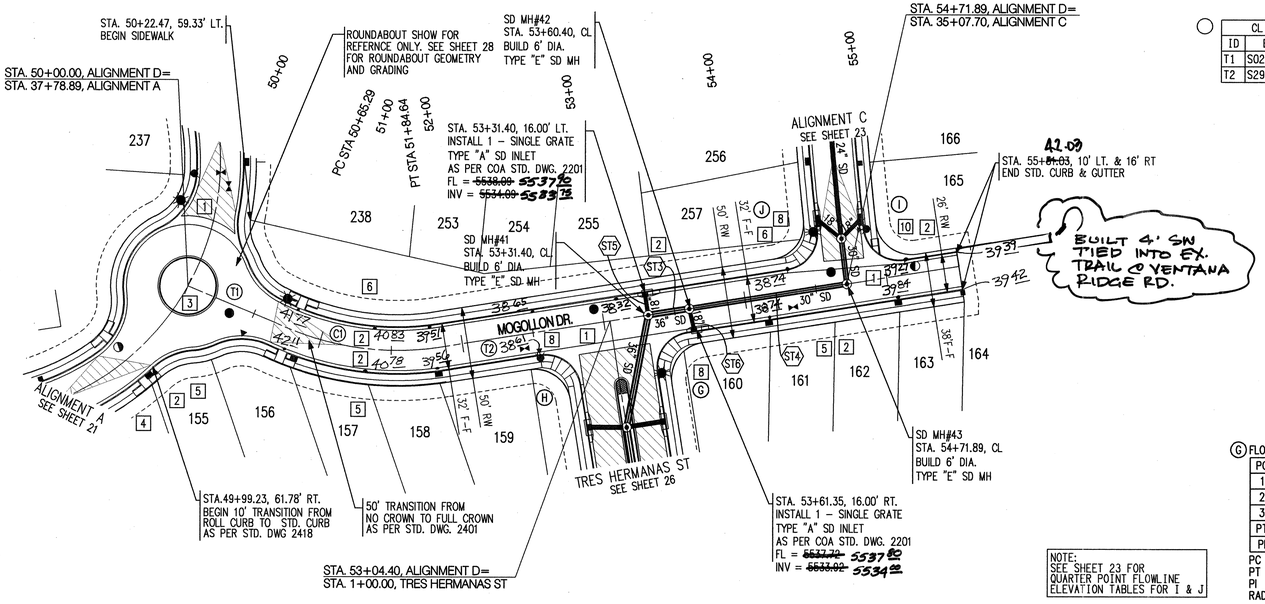
ENGINEER'S SEAL
KEVIN G. PATTON NEW MEXICO 15080 PROFESSIONAL ENGINEER
3/14/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	JL/JPP	DATE DEC 04
DRAWN BY	ARR/AL/DM	DATE DEC 04
CHECKED BY	KGP	DATE DEC 04

SCANNED BY PLN

SCANNED BY



NOTE:
SEE SHEET 23 FOR QUARTER POINT FLOWLINE ELEVATION TABLES FOR I & J

CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	119.35'	196.00'	34°53'23"	61.59'

CL Tangent Table		
ID	BEARING	LENGTH
T1	S02°18'54"W	65.29'
T2	S29°13'18"E	366.39'

STORM DRAIN TANGENT & FLOW TABLE					
ID	BEARING	LENGTH	Q(cfs)	V(f/s)	DEPTH
ST3	N29°13'18"W	29.00'	41.02	8.11	24.21"
ST4	N29°13'18"W	111.48'	35.88	7.31	30.00"
ST5	S60°46'42"W	14.34'	5.14	8.46	6.77"
ST6	N56°59'10"E	14.37'	5.14	10.98	5.59"

G FLOWLINE DATA FOR CURB RETURN

PC	37.51
1	37.60
2	37.70
3	37.79
PT	37.88
PI	37.79

D = 90°00'00"
R = 25.00'
T = 25.00'
L = 39.27'
C = 35.36'

PC STA. 53+31.40, 41.00' RT.
PT STA. 53+56.40, 16.00' RT.
PI STA. 53+31.40, 16.00' RT.
RAD STA. 53+56.40, 41.00' RT.

H FLOWLINE DATA FOR CURB RETURN

PC	38.41
1	38.28
2	38.14
3	38.01
PT	37.87
PI	38.21

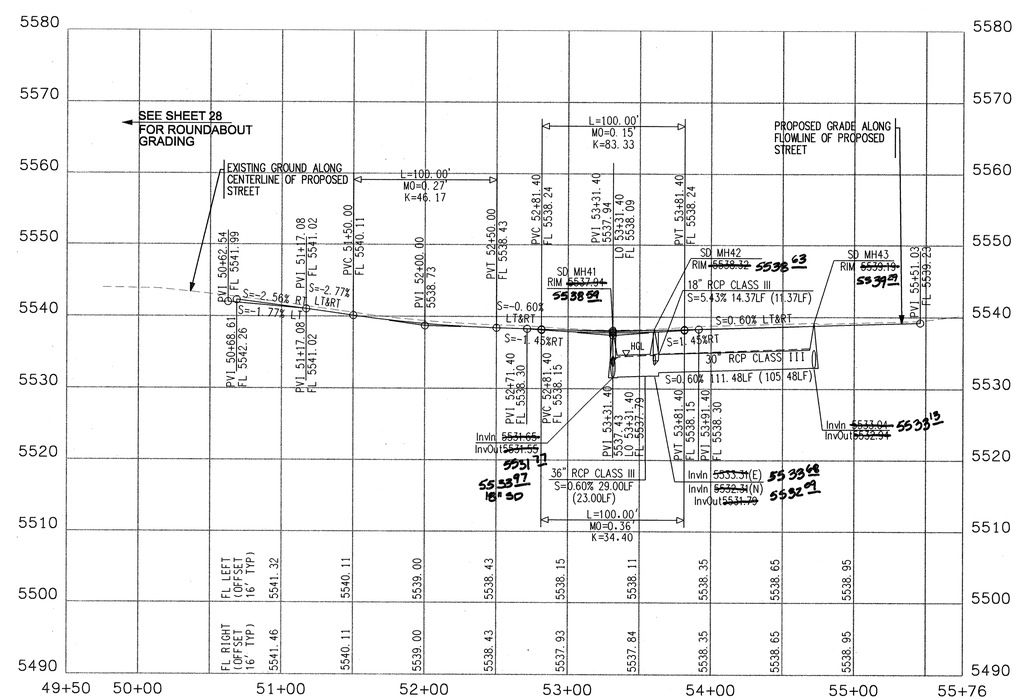
D = 90°00'00"
R = 25.00'
T = 25.00'
L = 39.27'
C = 35.36'

PC STA. 52+52.40, 16.00' RT.
PT STA. 52+77.40, 41.00' RT.
PI STA. 52+77.40, 16.00' RT.
RAD STA. 52+52.40, 41.00' RT.

N

50 25 0 50
SCALE: 1" = 50'
(HORIZ.)

ALIGNMENT D



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27-06

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

NOTES

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KEYED NOTES

1. INSTALL 6' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. STD. CURB & GUTTER AS PER STD. DWG. 2415 A
3. MEDIAN CURB & GUTTER AS PER STD DWG. 2415 B
4. ROLL CURB & GUTTER AS PER STD. DWG. 2415 A
5. DEFERRED 4' SIDEWALK
6. BUILD 4' SIDEWALK AS PER STD. DWG. 2430
7. BUILD 8' ASPHALT TRAIL AS PER DETAIL SHEET 18
8. BUILD WHEELCHAIR RAMP AS PER DETAIL "A" SHEET 18
9. BUILD WHEELCHAIR RAMP AS PER DETAIL "B" SHEET 18
10. BUILD WHEELCHAIR RAMP AS PER DETAIL "C" SHEET 18
11. INSTALL 12' CONCRETE VALLEY GUTTER AS PER STD. DWG 2422
12. BUILD 4" TEXTURED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE (BAJA RED) MEDIAN NOSES SHALL BE PAINTED YELLOW TO APPROX. 6' BEHIND PC/PT PER COA STD. DWG. 2408

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

AS-BUILT INFORMATION
CONTRACTOR SALLS BRO
WORK STAKED BY SURV TEK DATE 11/6
INSPECTOR'S ACCEPTANCE BY SGC DATE 11/6
FIELD VERIFICATION BY SURV TEK DATE 01/06
DRAWINGS CORRECTED BY SURV TEK DATE 01/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED"2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KEVIN G. PATTON NEW MEXICO 10685 PROFESSIONAL ENGINEER
3/14/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY JL/JPP DATE DEC 04
DRAWN BY ARR/JL/DM DATE DEC 04
CHECKED BY KGP DATE DEC 04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
PAVING PLAN & PROFILE
ALIGNMENT D

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED	APPROVED SEP 20 2005 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	24	37

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

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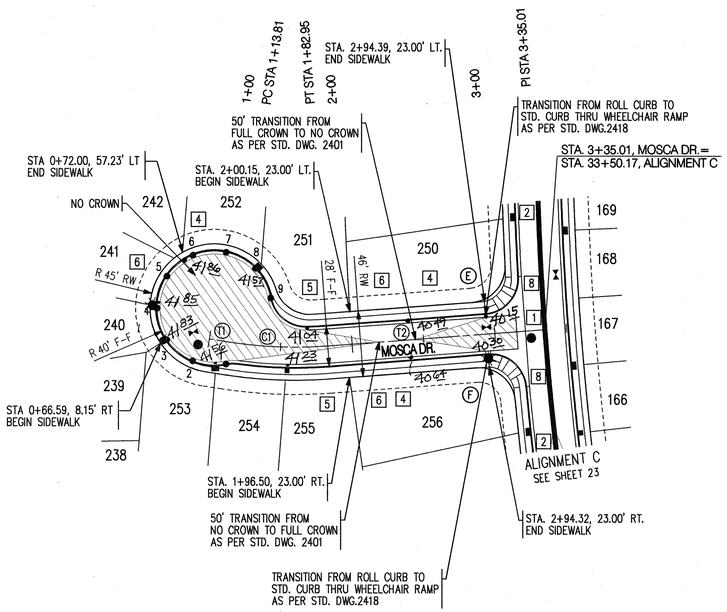
SCANNED BY PW



Ⓔ FLOWLINE DATA FOR CURB RETURN

PC	39.99
1	40.00
2	40.01
3	40.01
PT	40.02
PI	39.85

D = 88°56'35"
R = 25.00'
T = 24.54'
L = 38.81'
C = 35.03'

PC STA. 3+19.39, 38.54' LT.
PT STA. 2+94.39, 14.00' LT.
PI STA. 3+19.07, 14.00' LT.
RAD STA. 2+94.39, 39.00' LT.

Ⓕ FLOWLINE DATA FOR CURB RETURN

PC	40.02
1	39.90
2	39.78
3	39.65
PT	39.53
PI	39.68

D = 89°02'48"
R = 25.00'
T = 24.59'
L = 38.85'
C = 35.06'

PC STA. 2+94.32, 14.00' RT.
PT STA. 3+19.32, 38.58' RT.
PI STA. 3+19.04, 14.00' RT.
RAD STA. 2+94.32, 39.00' RT.

CL Tangent Table

ID	BEARING	LENGTH
T1	S10°26'07"E	13.81'
T2	S23°38'28"E	152.06'

CL Curve Table

ID	ARC	RADIUS	DELTA	TANGENT
C1	69.15'	300.00'	13°12'21"	34.73'

CUL-DE-SAC Point Table

●	STATION	OFFSET	ELEVATION
1	1+14.00	15.47' RT.	5541.29
2	0+90.73	16.91' RT.	5541.45
3	0+70.59	5.12' RT.	5541.62
4	0+60.47	15.90' LT.	5541.72
5	0+63.79	39.00' LT.	5541.74
6	0+79.44	56.31' LT.	5541.68
7	1+02.08	61.95' LT.	5541.54
8	1+26.24	53.78' LT.	5541.36
9	1+40.88	34.07' LT.	5541.17

SCALE: 1" = 50' (HORIZ.)

NOTES

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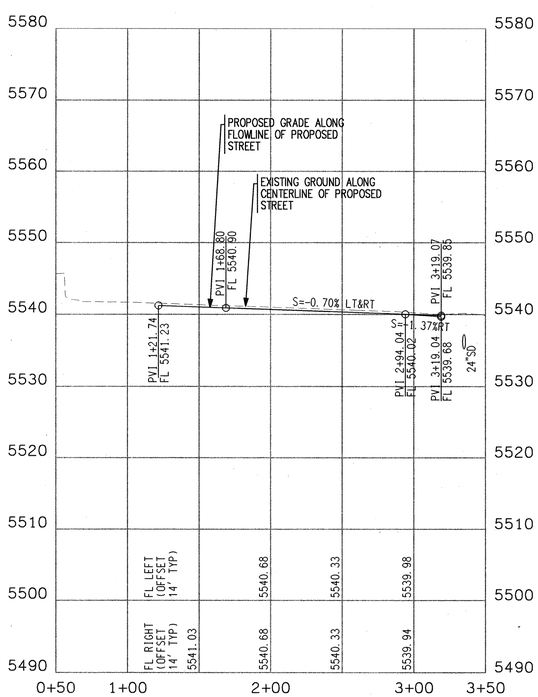
MOSCA DR.



KEYED NOTES

1. INSTALL 6' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. STD. CURB & GUTTER AS PER STD. DWG. 2415 A
3. MEDIAN CURB & GUTTER AS PER STD DWG. 2415 B
4. ROLL CURB & GUTTER AS PER STD. DWG. 2415 A
5. DEFERRED 4' SIDEWALK
6. BUILD 4' SIDEWALK AS PER STD. DWG. 2430
7. BUILD 8' ASPHALT TRAIL AS PER DETAIL SHEET 18
8. BUILD WHEELCHAIR RAMP AS PER DETAIL "A" SHEET 18
9. BUILD WHEELCHAIR RAMP AS PER DETAIL "B" SHEET 18
10. BUILD WHEELCHAIR RAMP AS PER DETAIL "C" SHEET 18
11. INSTALL 12' CONCRETE VALLEY GUTTER AS PER STD. DWG 2422
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SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1.27.06

NEW MEXICO PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

Bohannan ▲ Huston

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

ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

AS-BUILT INFORMATION
CONTRACTOR SALLS 820
STAKED BY SURV TEK DATE 11/6
INSPECTOR'S ACCEPTANCE BY SAC DATE 1/06
FIELD VERIFICATION BY SURV TEK DATE 01/06
DRAWINGS CORRECTED BY SURV TEK DATE 01/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KEVIN G. PATTON NEW MEXICO PROFESSIONAL ENGINEER 9768
3/14/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	JL/JPP	DATE DEC 04
DRAWN BY	ARR/JL/DM	DATE DEC 04
CHECKED BY	KGP	DATE DEC 04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
PAVING PLAN & PROFILE
MOSCA DR.

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 1 8 2005 DESIGN REVIEW COMMITTEE	APPROVED SEP 2 6 2005 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	25	37

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

14-MAR-2005 :
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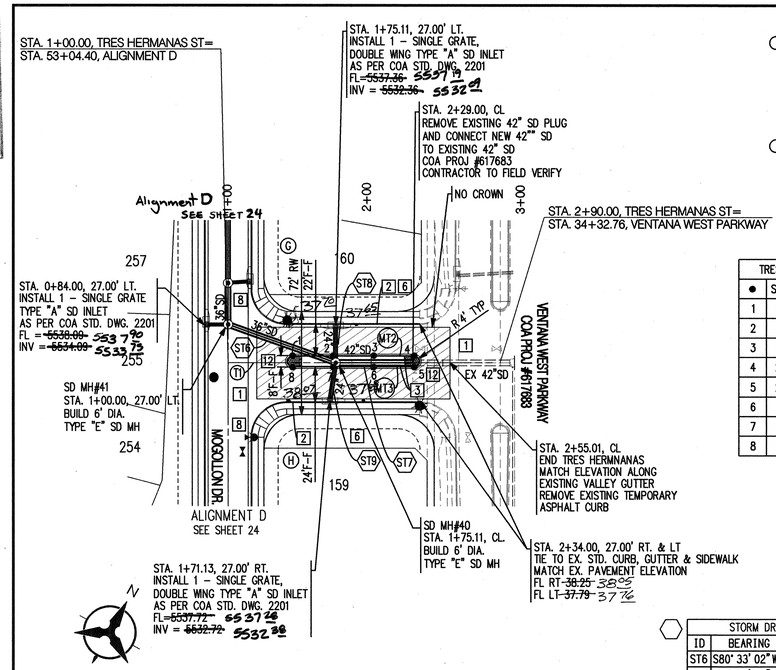
SCANNED BY PW



NOTE:
SEE SHEET 24 FOR
QUARTER POINT FLOWLINE
ELEVATION TABLES FOR G & H

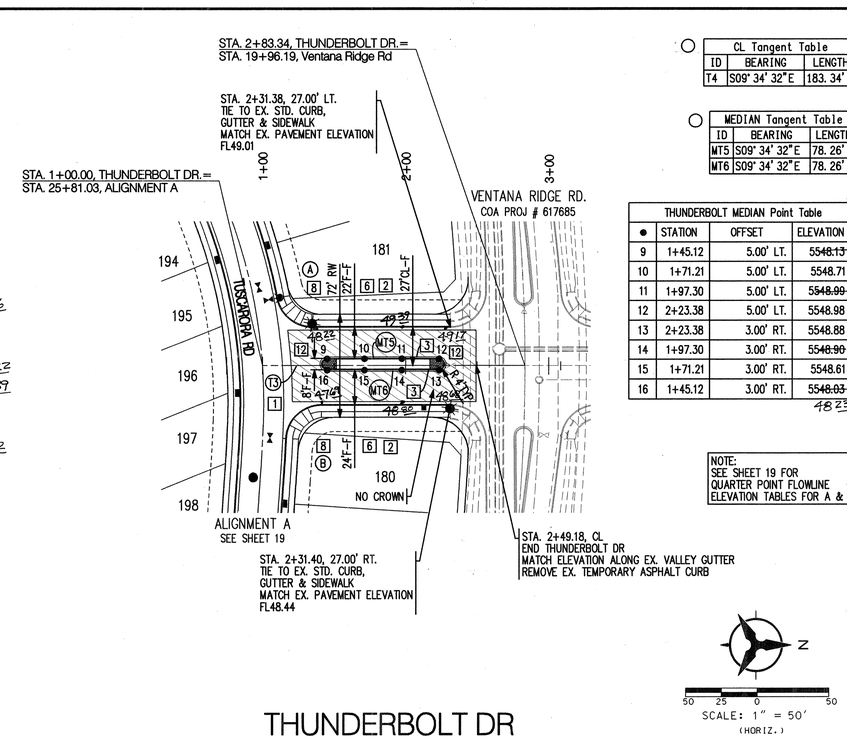
TRES HERMANAS ST

CL Tangent Table		
ID	BEARING	LENGTH
T1	N60° 46' 42"E	184.50'

MEDIAN Tangent Table		
ID	BEARING	LENGTH
MT2	N60° 46' 42"E	85.00'
MT3	N60° 46' 42"E	85.00'

TRES HERMANOS MEDIAN Point Table				
●	STATION	OFFSET	ELEVATION	
1	1+45.00	5.00' LT.	~~5537.95~~	3816
2	1+73.33	5.00' LT.	5537.86	
3	2+01.67	5.00' LT.	5537.97	
4	2+30.00	5.00' LT.	~~5538.07~~	3823
5	2+30.00	3.00' RT.	~~5538.20~~	3839
6	2+01.67	3.00' RT.	5537.99	
7	1+73.33	3.00' RT.	5537.94	
8	1+45.00	3.00' RT.	~~5537.97~~	3812

STORM DRAIN TANGENT & FLOW TABLE					
ID	BEARING	LENGTH	Q(cfs)	V(f/s)	DEPTH
ST6	S80° 33' 02"W	79.82'	46.16	12.21	18.96"
ST7	S60° 46' 42"W	53.89'	76.71	4.66	32.32"
ST8	N29° 13' 18"W	25.34'	15.30	13.51	9.35"
ST9	S20° 10' 27"E	25.31'	15.30	14.09	8.70"



CL Tangent Table		
ID	BEARING	LENGTH
T4	S09° 34' 32"E	183.34'

MEDIAN Tangent Table		
ID	BEARING	LENGTH
MT5	S09° 34' 32"E	78.26'
MT6	S09° 34' 32"E	78.26'

THUNDERBOLT MEDIAN Point Table				
●	STATION	OFFSET	ELEVATION	
9	1+45.12	5.00' LT.	~~5548.13~~	4832
10	1+71.21	5.00' LT.	5548.71	
11	1+97.30	5.00' LT.	~~5548.99~~	4910
12	2+23.38	5.00' LT.	5548.98	
13	2+23.38	3.00' RT.	5548.88	
14	1+97.30	3.00' RT.	~~5548.90~~	4913
15	1+71.21	3.00' RT.	5548.61	
16	1+45.12	3.00' RT.	~~5548.03~~	4823

NOTE:
SEE SHEET 19 FOR
QUARTER POINT FLOWLINE
ELEVATION TABLES FOR A & B

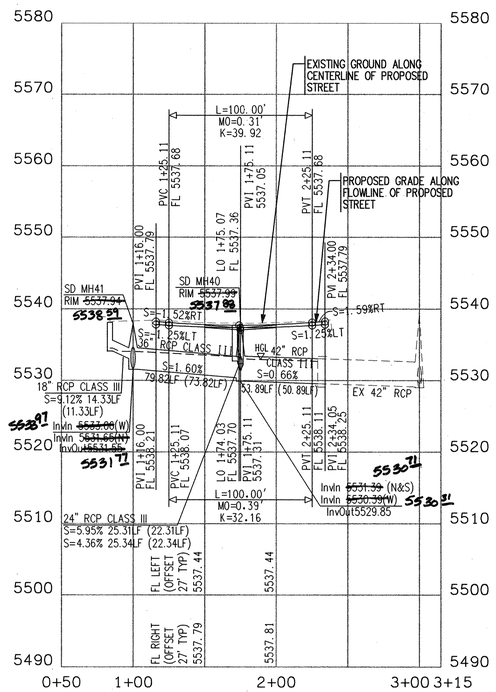
THUNDERBOLT DR

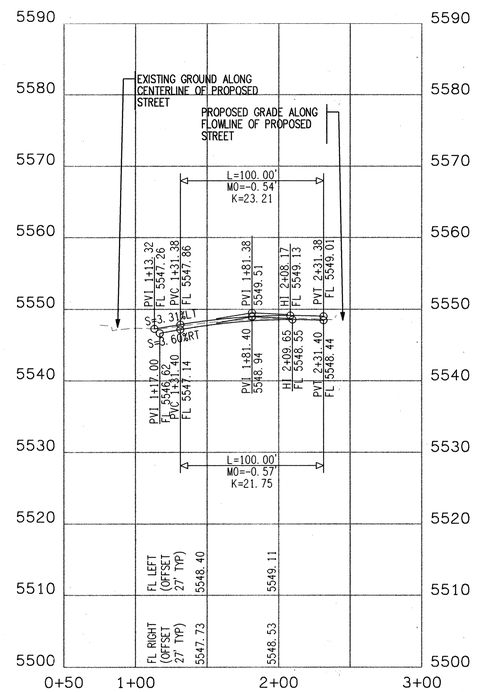
NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
6. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
7. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
8. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
9. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
10. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
11. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

KEYED NOTES

1. INSTALL 6' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. STD. CURB & GUTTER AS PER STD. DWG. 2415 A
3. MEDIAN CURB & GUTTER AS PER STD DWG. 2415 B
4. ROLL CURB & GUTTER AS PER STD. DWG. 2415 A
5. DEFERRED 4' SIDEWALK
6. BUILD 4' SIDEWALK AS PER STD. DWG. 2430
7. BUILD 8' ASPHALT TRAIL AS PER DETAIL SHEET 18
8. BUILD WHEELCHAIR RAMP AS PER DETAIL "A" SHEET 18
9. BUILD WHEELCHAIR RAMP AS PER DETAIL "B" SHEET 18
10. BUILD WHEELCHAIR RAMP AS PER DETAIL "C" SHEET 18
11. INSTALL 12' CONCRETE VALLEY GUTTER AS PER STD. DWG 2422
12. BUILD 4" TEXTURED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE (BAJA RED) MEDIAN NOSES SHALL BE PAINTED YELLOW TO APPROX. 6' BEHIND PC/PT PER COA STD. DWG. 2408





SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27-06

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

AS-BUILT INFORMATION
CONTRACTOR SAUS BDO
STAKED BY SUBY TEK DATE 11/6
INSPECTOR ACCEPTANCE BY SEC DATE 11/6
FIELD VERIFICATION BY SUBY TEK DATE 01/06
DRAWINGS CORRECTED BY SUBY TEK DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED"2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
KEVIN G. PATTON NEW MEXICO 13983 PROFESSIONAL ENGINEER
5/14/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY JL/JPP DATE DEC 04
DRAWN BY ARR/JL/DM DATE DEC 04
CHECKED BY KGP DATE DEC 04

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

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
PLAN & PROFILE
TRES HERMANAS ST / THUNDERBOLT DR

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 1 8 2005	APPROVED SEP 2 6 2005 CITY ENGINEER			

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

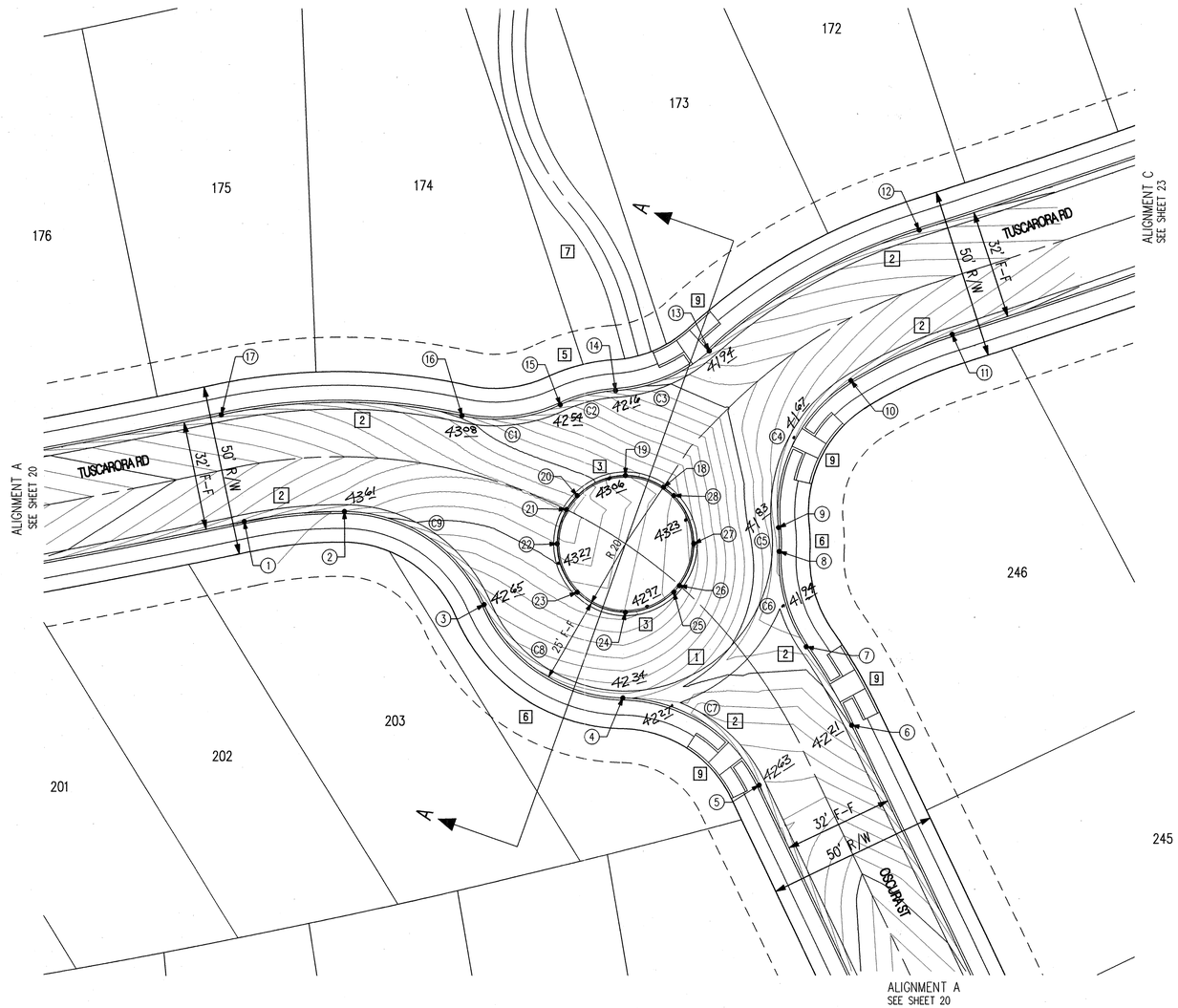
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	26	37

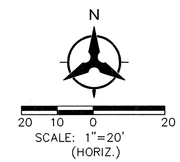
14-MAR-2005 -
P:\050125\dgn\grp\Unit2\050125grp08.dgn

SCANNED BY pw

Point Table			
	NORTHING	EASTING	ELEVATION
1	1527872.83	350431.68	5543.46
2	1527875.75	350461.00	5543.20
3	1527848.50	350501.86	5543.00
4	1527821.26	350542.45	5542.71
5	1527795.61	350582.31	5542.37
6	1527813.12	350609.42	5541.99
7	1527836.16	350596.09	5541.83
8	1527864.00	350588.16	5541.85
9	1527870.95	350587.97	5541.81
10	1527914.00	350609.18	5541.35
11	1527927.53	350638.79	5541.13
12	1527958.03	350629.12	5541.13
13	1527922.74	350567.75	5541.65
14	1527911.16	350540.36	5542.28
15	1527907.02	350524.16	5542.56
16	1527903.84	350495.38	5542.93
17	1527904.13	350425.02	5543.46
18	1527882.85	350554.37	5542.32
19	1527886.25	350543.21	5542.44
20	1527880.39	350529.07	5542.63
21	1527876.28	350525.91	5542.68
22	1527866.25	350523.21	5542.73
23	1527852.11	350529.07	5542.67
24	1527846.25	350543.21	5542.58
25	1527852.11	350557.36	5542.42
26	1527854.01	350559.03	5542.38
27	1527866.25	350563.21	5542.24
28	1527880.39	350557.36	5542.28

CURB Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	29.47'	45.00'	37°31'34"	15.29'
C2	16.83'	45.00'	21°25'22"	8.51'
C3	30.30'	45.00'	38°34'45"	15.75'
C4	50.62'	45.00'	64°27'02"	28.37'
C5	6.96'	45.00'	08°51'37"	3.49'
C6	29.47'	45.00'	37°31'34"	15.29'
C7	49.92'	45.00'	63°33'45"	27.88'
C8	51.68'	45.00'	65°47'43"	29.11'
C9	51.95'	45.00'	66°08'40"	29.30'





KEYED NOTES

1. INSTALL 6' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. STD. CURB & GUTTER AS PER STD. DWG. 2415 A
3. MEDIAN CURB & GUTTER AS PER STD DWG. 2415 B
4. ROLL CURB & GUTTER AS PER STD. DWG. 2415 A
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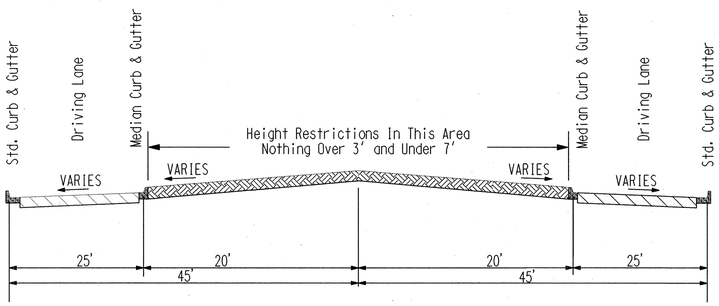


SECTION A-A

NOT TO SCALE

TUSCARORA RD / OSCURA ST - ROUNDABOUT

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27 2006

PROFESSIONAL SURVEYOR STATE OF No. 9750 NEW MEXICO RUSS P. HUGG

NOTE:
PROPOSED CONTOURS SHOWN FOR REFERENCE ONLY.
CONTOUR INTERVAL 0.1'.

BHI JOB NO. 050125

AS-BUILT INFORMATION
CONTRACTOR GRL BRO
WORK STAKED BY SURV TEK
ACCEPTANCE BY SAC DATE 1/6
FIELD VERIFICATION BY SURV TEK DATE 01/06
DRAWINGS CORRECTED BY SURV TEK DATE 01/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. NOVD 1929 ELEVATION = 5429.35

BENCH MARKS
ACS BRASS TABLET STAMPED"2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
KEVIN G. PATTON NEW MEXICO 12683 PROFESSIONAL ENGINEER
3/14/05

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY	JL/JPP	DATE NOV 04
DRAWN BY	ARR/JL	DATE NOV 04
CHECKED BY	KGP	DATE NOV 04

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

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
MOGOLLON DR / OSCURA ST / TUSCARORA RD - ROUNDABOUT

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 1 8 2005 REVIEW	APPROVED SEP 2 0 2005 CITY ENGINEER			

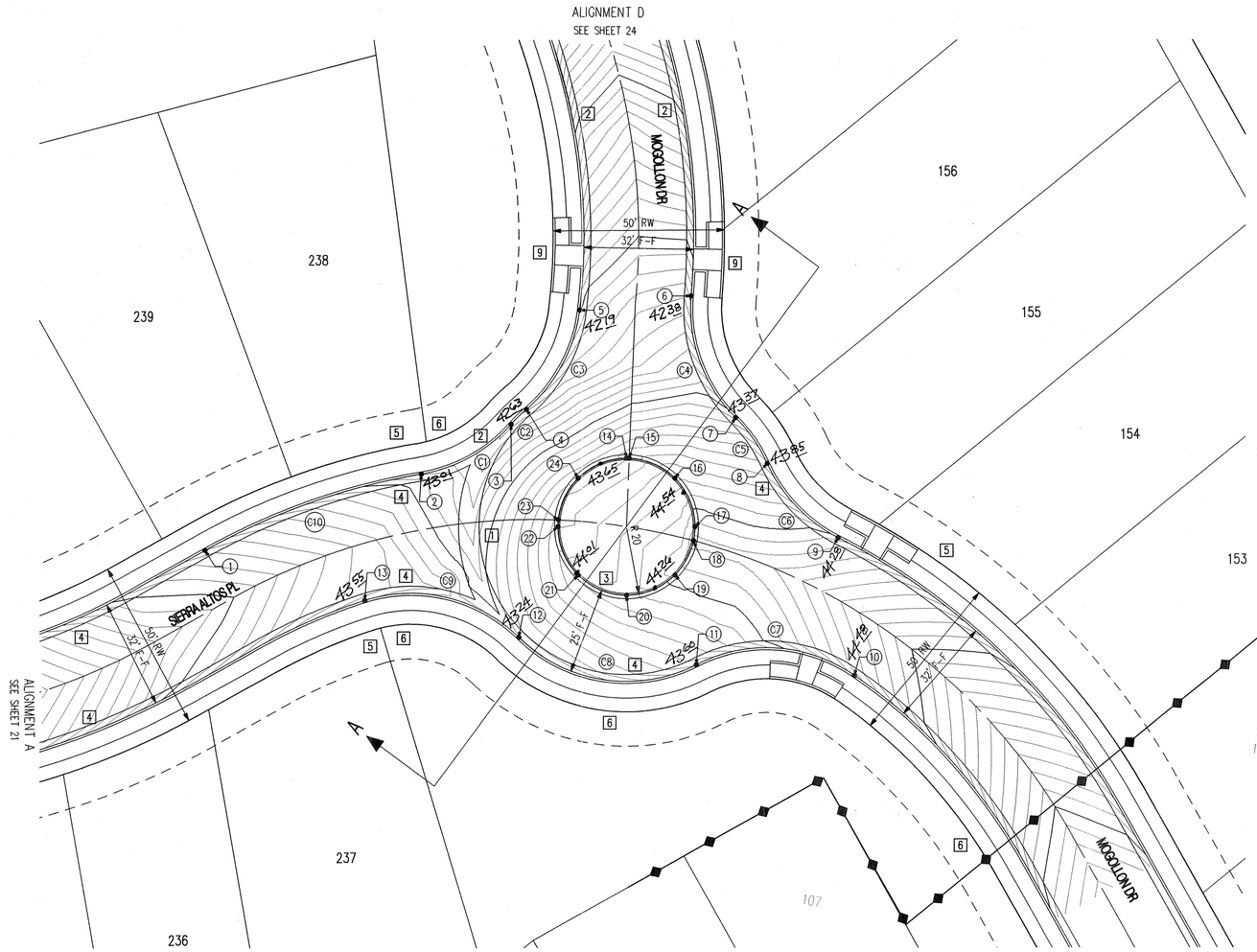
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	27	34

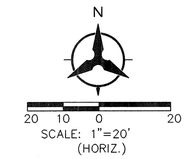
14-MAR-2005 - P:\050125\dgn\grp\Unit2\050125grp10.dgn

SCANNED BY

Point Table			
◯	EASTING	NORTHING	ELEVATION
1	351028.44	1527653.46	5543.61
2	351091.50	1527675.67	5542.87
3	351117.68	1527690.18	5542.85
4	351122.17	1527694.58	5542.81
5	351137.66	1527723.48	5542.28
6	351170.23	1527727.56	5542.26
7	351183.21	1527692.10	5543.26
8	351192.41	1527678.75	5543.60
9	351213.05	1527657.07	5544.04
10	351217.79	1527617.02	5544.44
11	351171.72	1527620.21	5544.20
12	351119.91	1527628.13	5543.77
13	351074.99	1527638.87	5543.30
14	351151.35	1527680.33	5543.69
15	351152.16	1527680.31	5543.71
16	351165.49	1527674.47	5543.78
17	351171.35	1527660.33	5543.94
18	351170.89	1527656.07	5543.99
19	351165.49	1527646.19	5544.05
20	351151.35	1527640.33	5543.94
21	351137.21	1527646.19	5543.82
22	351131.35	1527660.33	5543.68
23	351131.44	1527662.25	5543.65
24	351137.21	1527674.47	5543.55
25	350540.36	1527911.16	5542.28

CURB Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	30.52'	45.00'	38°51'22"	15.87'
C2	6.29'	45.00'	08°00'33"	3.15'
C3	33.56'	45.00'	42°43'44"	17.60'
C4	38.97'	45.00'	49°36'48"	20.80'
C5	16.30'	45.00'	20°45'11"	8.24'
C6	30.52'	45.00'	38°51'22"	15.87'
C7	48.50'	45.00'	61°44'55"	26.90'
C8	55.95'	45.00'	71°14'00"	32.24'
C9	48.50'	45.00'	61°44'55"	26.90'
C10	67.18'	196.00'	19°38'21"	33.92'





KEYED NOTES

1. INSTALL 6' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. STD. CURB & GUTTER AS PER STD. DWG. 2415 A
3. MEDIAN CURB & GUTTER AS PER STD DWG. 2415 B
4. ROLL CURB & GUTTER AS PER STD. DWG. 2415 A
5. DEFERRED 4' SIDEWALK
6. BUILD 4' SIDEWALK AS PER STD. DWG. 2430
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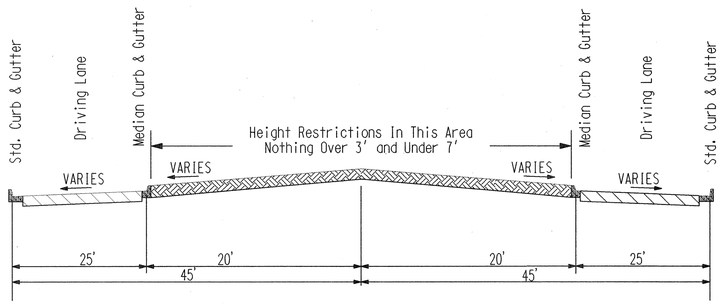
SIERRA ALTOS PL / MOGOLLON DR - ROUNDABOUT



SECTION A-A
NOT TO SCALE

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27 2006

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

NOTE:
PROPOSED CONTOURS SHOWN FOR REFERENCE ONLY.
CONTOUR INTERVAL 0.1'.

BHI JOB NO. 050125

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

AS-BUILT INFORMATION
CONTRACTOR SALUS RSO
WORK STAKED BY SURV-TEK
INSPECTOR'S ACCEPTANCE BY Spa DATE 1/4
FIELD VERIFICATION BY SURV-TEK DATE 01/06
DRAWINGS CORRECTED BY SURV-TEK DATE 01/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED"2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
KEVIN G. PARTON NEW MEXICO 10085 PROFESSIONAL ENGINEER
3/14/05

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN		
DESIGNED BY	JL/JPP	DATE NOV 04
DRAWN BY	ARR/JL	DATE NOV 04
CHECKED BY	KGP	DATE NOV 04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

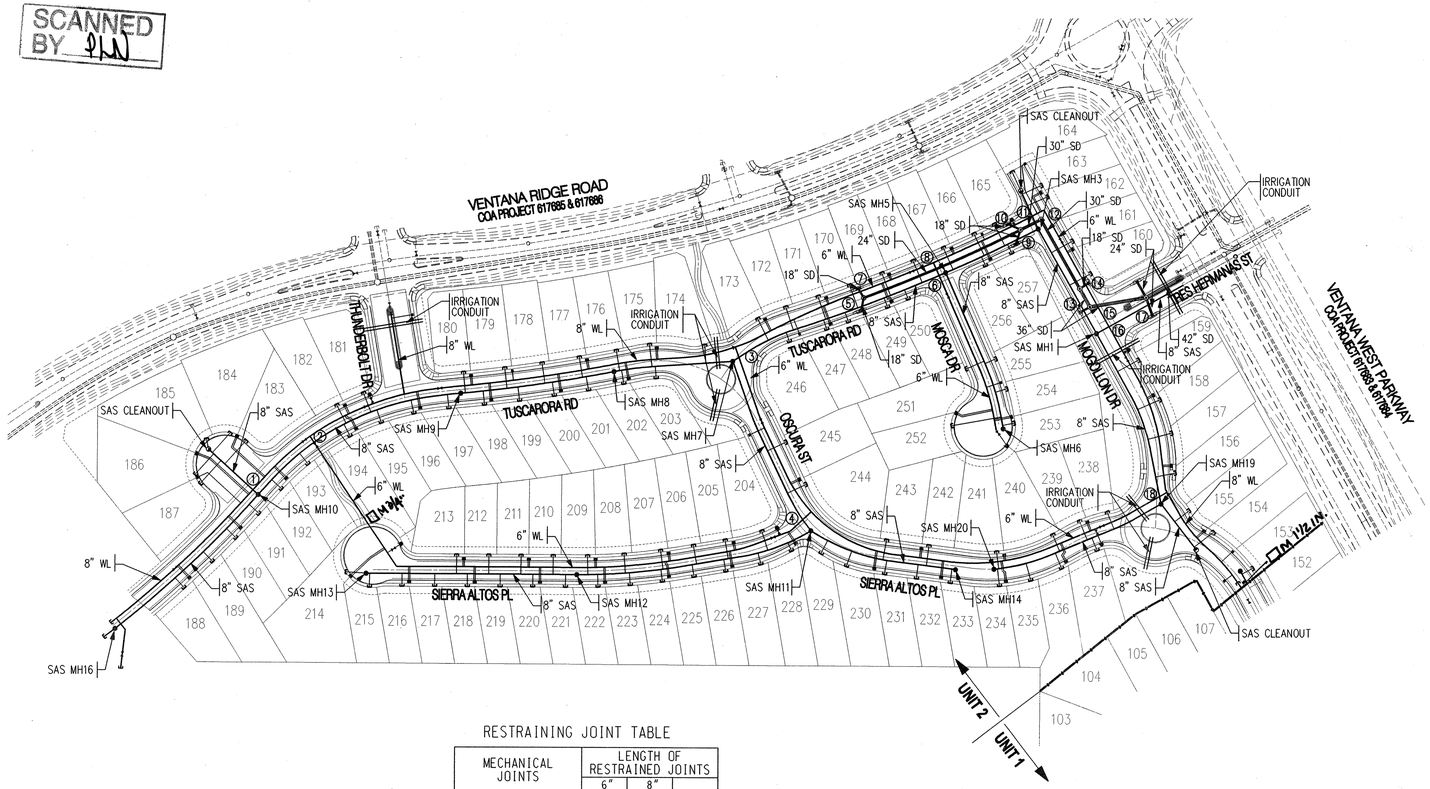
WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
SIERRA ALTOS PL / MOGOLLON DR - ROUNDABOUT

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 18 2005	APPROVED SEP 26 2005 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	28	34

14-MAR-2005 - P:\050125\cad\proj\Unit2\050125sprp11.dgn

SCANNED BY



Crossings				
DES	SAS	SD	WL	Clearance
1	8" TP 43.29	- - - - - -	8" BP 45.84	2.55
2	8" TP 41.79	- - - - - -	6" BP 44.44	2.65
3	8" TP 34.44	- - - - - -	6" BP 37.37	2.93
4	8" TP 36.42	- - - - - -	6" BP 39.19	2.77
5	8" TP 33.21	18" BP 36.26	- - - - - -	3.05
6	8" TP 32.44	- - - - - -	6" BP 33.88	1.43
7	- - - - - -	18" BP 36.55	6" TP 35.55	1.00
8	- - - - - -	24" BP 34.98	6" TP 33.82	1.16
9	8" TP 31.57	18" BP 35.13	- - - - - -	3.56
10	- - - - - -	18" BP 35.15	6" TP 33.75	1.40
11	8" TP 31.43	- - - - - -	6" BP 33.50	2.08
12	8" TP 31.37	30" BP 32.97	- - - - - -	1.60
13	8" TP 30.45	18" BP 33.49	- - - - - -	3.04
14	- - - - - -	18" BP 33.79	6" TP 32.16	1.62
15	- - - - - -	36" BP 31.04	6" TP 29.63	1.41
16	8" TP 30.01	- - - - - -	6" BP 33.46	3.45
17	8" TP 29.57	24" BP 31.56	- - - - - -	2.00
18	8" TP 35.93	- - - - - -	6" BP 38.31	2.39

N

100 50 0 100

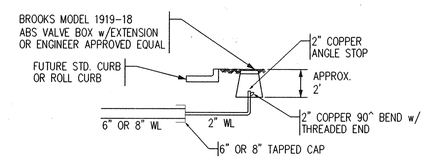
SCALE: 1"=100'
(HORIZ.)

RESTRAINING JOINT TABLE

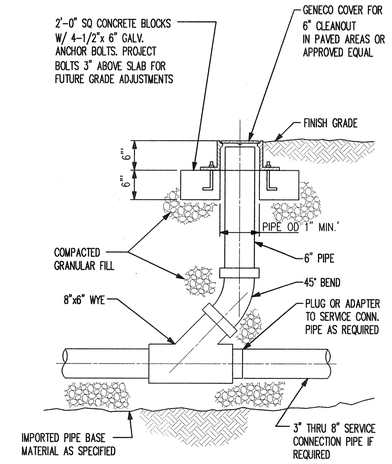
MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS 6"	8"	
6" X 6" TEE	1	-	
8" X 6" TEE	1	1	
8" X 8" CROSS	-	1	
8" X 6" REDUCER	-	30	
90° HORIZ. BEND	20	26	
45° HORIZ. BEND	8	11	
22.5° HORIZ. BEND	4	5	
11.25° HORIZ. BEND	2	3	
GATE VALVE/CAP	55	72	
22.5° VERT. BEND			
UPPER	-	14	
LOWER	-	2	

LEGEND

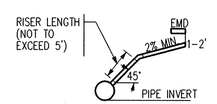
- PORPOSED STORM DRAIN MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER CLEANOUT
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED FIRE HYDRANT
- EXISTING FIRE HYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- PROPOSED SANITARY SEWER LINE — SAS
- EXISTING SANITARY SEWER LINE — SAS
- PROPOSED WATER LINE — W
- EXISTING WATER LINE — W
- PROPOSED SANITARY SEWER SERVICE
- PROPOSED STORM DRAIN LINE — SD
- EXISTING STORM DRAIN LINE — SD
- PROPOSED WATER METER SERVICE
- PROPOSED STREET LIGHT



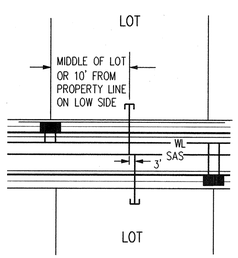
2" TEMPORARY SERVICE FOR FLUSHING LINE
NO SCALE



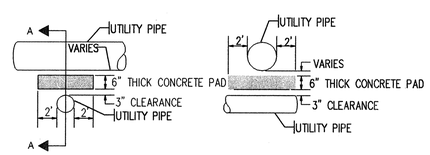
CLEANOUT
N.T.S.



SERVICE RISER DETAIL
(SERVICE CONNCECTION * INSTALLATION TO CONFORM TO COA STD. DWG. 2134)



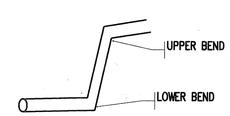
TYPICAL UTILITY SERVICE LOCATION
NO SCALE



FOR LESS THAN 1.5' CLEARANCE BETWEEN PIPES
(NOT TO SCALE)

NOTE:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE POINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANTS JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
5. ALL CAPS SHALL UTILIZE PCC BLOCKING, UNLESS OTHERWISE NOTED.
6. RESTRAINED LENGTH IN ON LARGE SIDE ON ALL REDUCERS
7. RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.
8. ALL LENGTHS ARE MEASURED IN FEET.



APPROVED FOR MUI 3-17-05 DATE

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

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
OVERALL UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 1 8 2005 DESIGN REVIEW COMMITTEE	APPROVED SEP 2 6 2005 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	29	37

BHI JOB NO. 050125

AS-BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED"2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

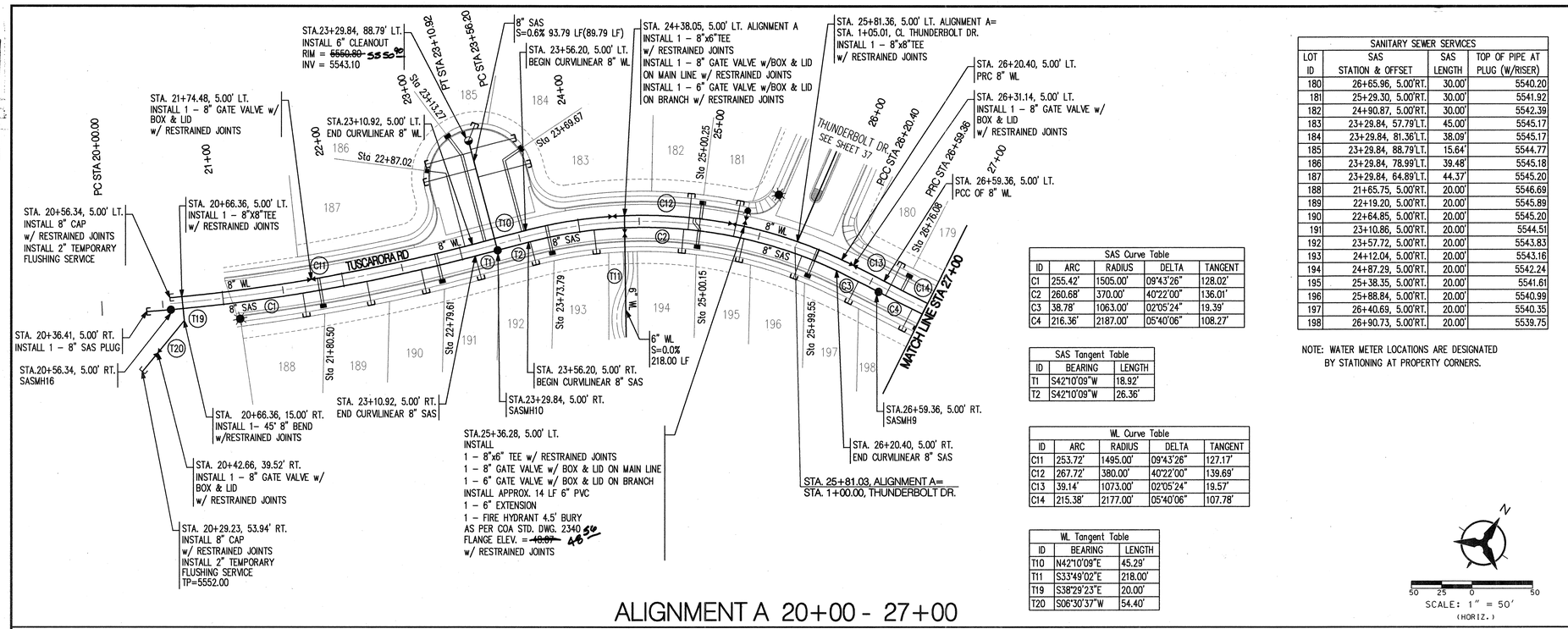
ENGINEER'S SEAL
KEVIN G. PATTON NEW MEXICO 13008 REGISTERED PROFESSIONAL ENGINEER
3-17-05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	JL/JPP	DATE NOV 04
DRAWN BY	ARR/JL	DATE NOV 04
CHECKED BY	KGP	DATE NOV 04

NGVD 1929 ELEVATION = 5429.35

14-MAR-2005 -
P:\050125\cdp\owner2\Unit2\050125outfilly.dgn



ALIGNMENT A 20+00 - 27+00

SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	255.42'	1505.00'	09°43'26"	128.02'
C2	260.68'	370.00'	40°22'00"	136.01'
C3	38.78'	1063.00'	02°05'24"	19.39'
C4	216.36'	2187.00'	05°40'06"	108.27'

SAS Tangent Table		
ID	BEARING	LENGTH
T1	S42°10'09"W	18.92'
T2	S42°10'09"W	26.36'

WL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C11	253.72'	1495.00'	09°43'26"	127.17'
C12	267.72'	380.00'	40°22'00"	139.69'
C13	39.14'	1073.00'	02°05'24"	19.57'
C14	215.38'	2177.00'	05°40'06"	107.78'

WL Tangent Table		
ID	BEARING	LENGTH
T10	N42°10'09"E	45.29'
T11	S33°49'02"E	218.00'
T19	S38°29'23"E	20.00'
T20	S06°30'37"W	54.40'

SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
180	26+65.96, 5.00'RT.	30.00'	5540.20
181	25+29.30, 5.00'RT.	30.00'	5541.92
182	24+90.87, 5.00'RT.	30.00'	5542.39
183	23+29.84, 57.79'LT.	45.00'	5545.17
184	23+29.84, 81.36'LT.	38.09'	5545.17
185	23+29.84, 88.79'LT.	15.64'	5544.77
186	23+29.84, 78.99'LT.	39.48'	5545.18
187	23+29.84, 64.89'LT.	44.37'	5545.20
188	21+65.75, 5.00'RT.	20.00'	5546.69
189	22+19.20, 5.00'RT.	20.00'	5545.89
190	22+64.85, 5.00'RT.	20.00'	5545.20
191	23+10.86, 5.00'RT.	20.00'	5544.51
192	23+57.72, 5.00'RT.	20.00'	5543.83
193	24+12.04, 5.00'RT.	20.00'	5543.16
194	24+87.29, 5.00'RT.	20.00'	5542.24
195	25+38.35, 5.00'RT.	20.00'	5541.61
196	25+88.84, 5.00'RT.	20.00'	5540.99
197	26+40.69, 5.00'RT.	20.00'	5540.35
198	26+90.73, 5.00'RT.	20.00'	5539.75

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

SCALE: 1" = 50' (HORIZ.)

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
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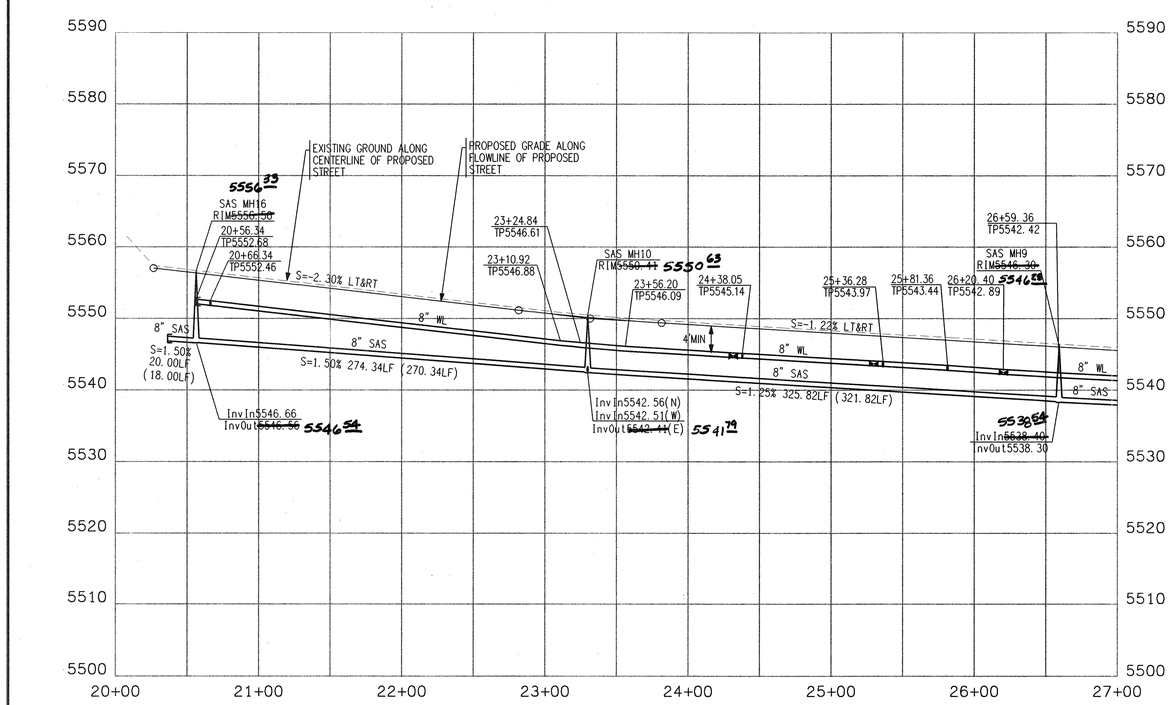
6. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
7. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
8. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
9. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
10. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
11. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.



GENERAL NOTE:
***ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER TYPE "E" AS PER NM APWA STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.**

APPROVED FOR RMUT — DATE 3-17-05

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27-20 06

PROFESSIONAL SURVEYOR — STATE OF NEW MEXICO — No. 9750 — RUSS P. HUGG

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

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
UTILITY PLAN & PROFILE
ALIGNMENT A 20+00 - 27+00

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 18 2005 DESIGN REVIEW COMMITTEE	APPROVED SEP 26 2005 CITY ENGINEER			

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	JL/GPP	DEC 04
DRAWN BY	ARR/JL/DM	DEC 04
CHECKED BY	KGP	DEC 04

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION — DATE
RECORDED BY

BENCH MARKS
ACS BRASS TABLET STAMPED"2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL — KEVIN G. PATTON — NEW MEXICO — 10984 — PROFESSIONAL ENGINEER — 3/17/05

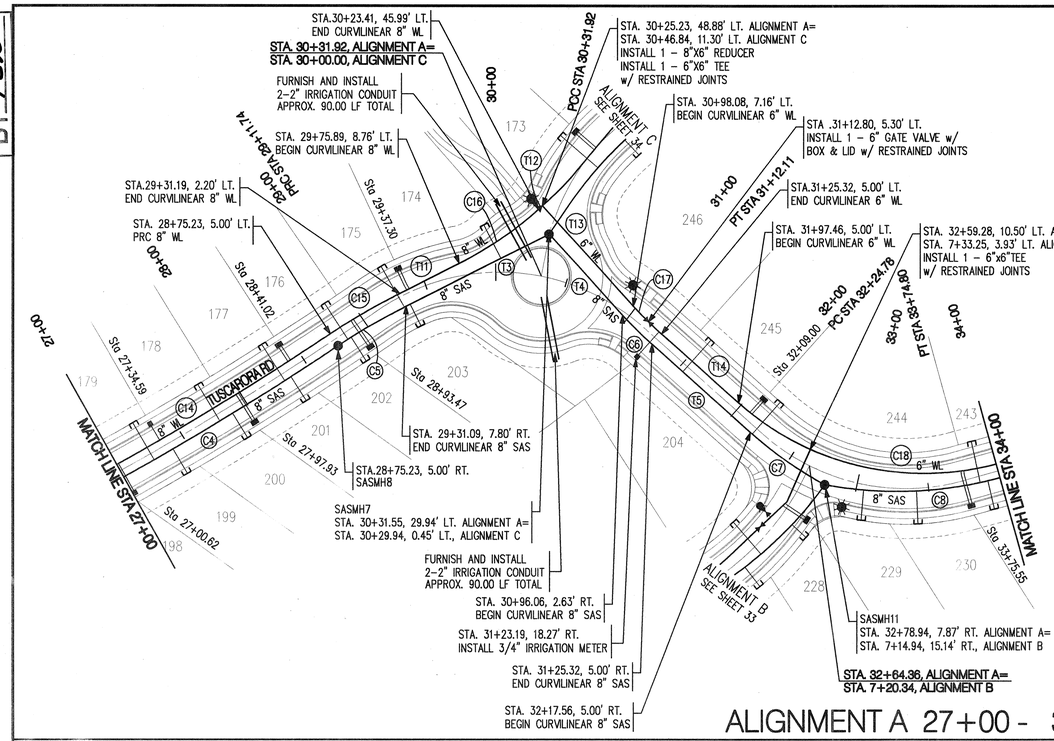
SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	30	37

14-MAR-2005 - P:\050125\cdp\pnp\Unit2\050125upnp01.dgn

SCANNED BY



ALIGNMENT A 27+00 - 34+00

SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C4	216.36'	2187.00'	05°40'06"	108.27'
C5	55.09'	450.00'	07°00'51"	27.58'
C6	29.00'	275.00'	06°02'28"	14.51'
C7	63.56'	275.00'	13°14'35"	31.92'
C8	125.81'	275.00'	26°12'47"	64.03'

SAS Tangent Table		
ID	BEARING	LENGTH
T3	S85°58'59"W	111.71'
T4	S19°25'17"E	76.75'
T5	S25°27'45"E	92.24'

WL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C14	215.38'	2177.00'	05°40'06"	107.78'
C15	56.31'	460.00'	07°00'51"	28.19'
C16	67.17'	250.00'	15°23'36"	33.79'
C17	27.94'	265.00'	06°02'28"	13.98'
C18	195.02'	195.00'	57°18'04"	106.54'

WL Tangent Table		
ID	BEARING	LENGTH
T11	N85°58'19"E	46.61'
T12	S70°34'43"W	9.84'
T13	N19°25'17"W	94.71'
T14	N25°27'45"W	72.15'

SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
174	30+02.56, 14.31'LT.	26.47'	5536.25
175	29+29.63, 7.23'RT.	32.79'	5537.37
176	28+83.45, 5.09'RT.	30.10'	5537.92
177	28+30.91, 5.00'RT.	30.00'	5538.53
178	27+77.69, 5.00'RT.	30.00'	5539.07
179	27+24.47, 5.00'RT.	30.00'	5539.61
199	27+39.63, 5.00'RT.	20.00'	5539.25
200	27+88.04, 5.00'RT.	20.00'	5538.76
201	28+36.02, 5.00'RT.	20.00'	5538.28
202	28+86.13, 5.16'RT.	19.85'	5537.68
203	29+33.43, 7.07'RT.	17.21'	5537.00
229	33+05.22, 3.90'RT.	21.21'	5537.93
230	33+41.46, 1.93'RT.	23.07'	5538.25
231	33+91.34, 4.79'RT.	20.23'	5538.58
243	33+85.76, 4.51'RT.	29.57'	5538.72
244	32+19.25, 4.99'RT.	30.00'	5537.36
245	31+54.00, 5.00'RT.	30.00'	5536.88

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

N

50 25 0 50

SCALE: 1" = 50'
(HORIZ.)

NOTES

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AS-BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION
FIELD NOTES
BY — DATE

ENGINEER'S SEAL

KEVIN S. BOYLE
NEW MEXICO
PROFESSIONAL ENGINEER
3/9/05

NO.	DATE	REMARKS	BY
	DEC 04		

DESIGNED BY JL/JPP
DRAWN BY GP
CHECKED BY

GENERAL NOTE:
***ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER TYPE "E" AS PER NM APWA STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.**

APPROVED FOR NMUI — DATE 3-4-05

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
UTILITY PLAN & PROFILE
ALIGNMENT A 27+00 - 34+00

DESIGN REVIEW COMMITTEE — APPROVED MAR 18 2005 — DESIGN REVIEW COMMITTEE
CITY ENGINEER — APPROVED SEP 26 2005 — CITY ENGINEER

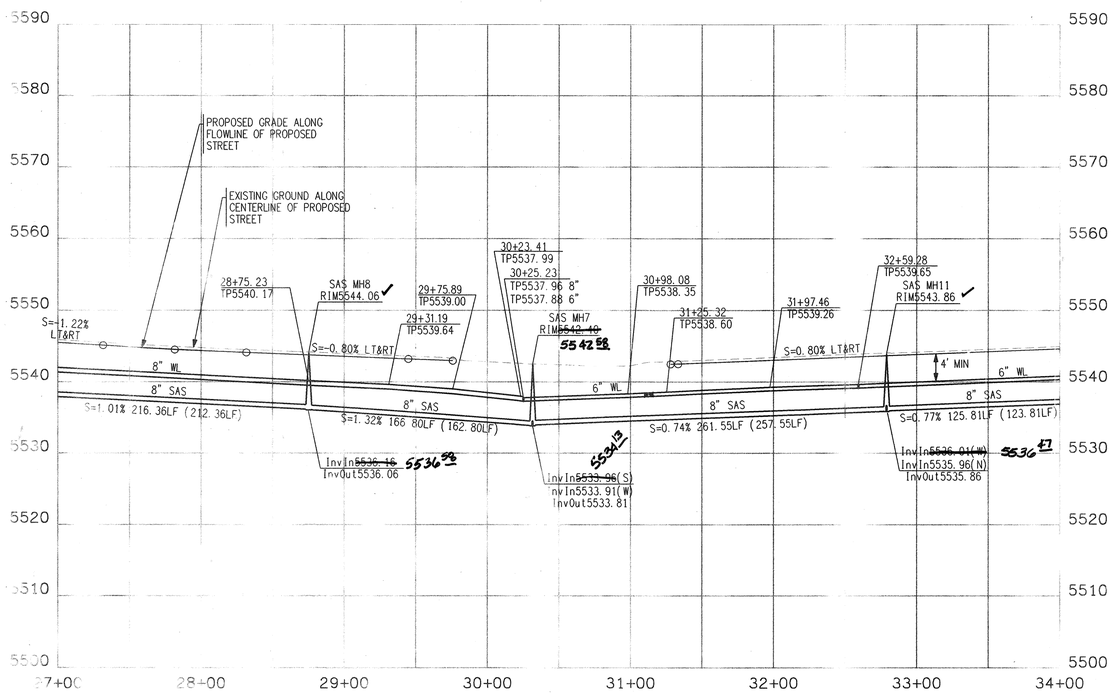
MO./DAY/YR

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

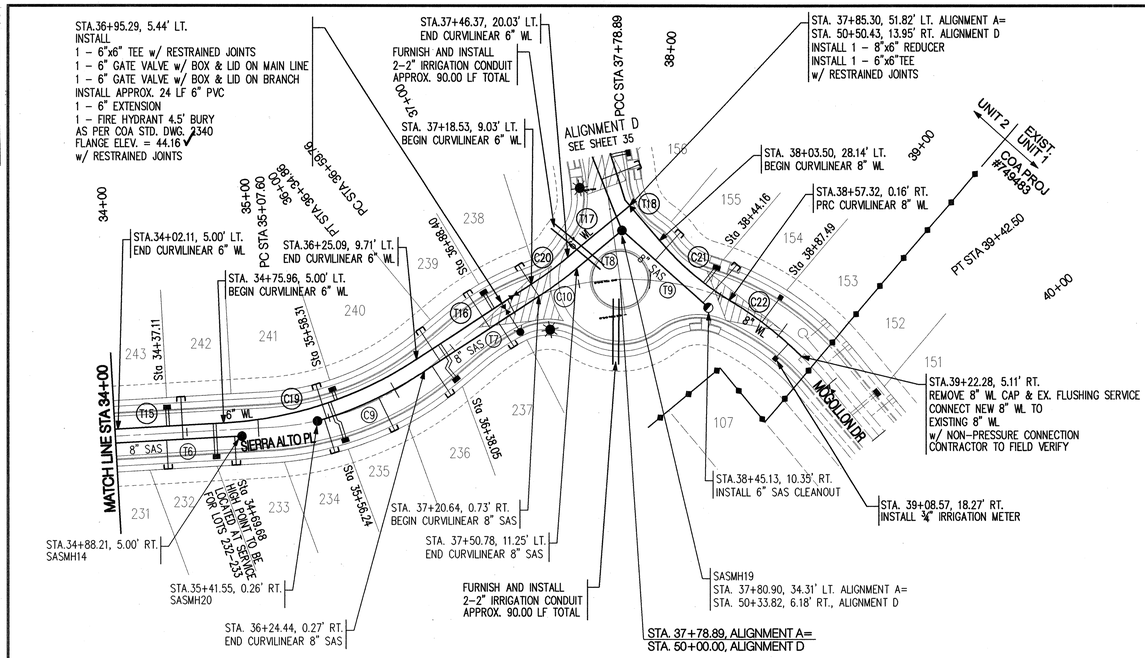
Russ P. Hugg
NMPS No. 9750
1-27-06

PROFESSIONAL SURVEYOR — STATE OF NEW MEXICO — No. 9750 — RUSS P. HUGG



SCALE: 1" = 50' (HORIZ.)
1" = 5' (VERT.)

BHI JOB NO. 050125



SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C9	82.69'	285.00'	16°37'25"	41.64'
C10	33.22'	275.00'	06°55'15"	16.63'

SAS Tangent Table		
ID	BEARING	LENGTH
T6	S82°45'49"E	86.09'
T7	S67°19'54"W	95.45'
T8	S60°24'38"W	40.95'
T9	S37°37'13"E	81.09'

WL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C19	143.53'	275.00'	29°54'17"	73.44'
C20	32.01'	265.00'	06°55'14"	16.02'
C21	64.50'	195.00'	18°57'09"	32.55'
C22	64.01'	265.00'	13°50'22"	32.16'

WL Tangent Table		
ID	BEARING	LENGTH
T15	S82°45'49"E	73.85'
T16	N67°19'54"E	95.45'
T17	N60°24'38"E	56.32'
T18	N29°35'22"W	37.45'

SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
154	38+40.29, 8.37'RT.	35.98'	5538.53
155	38+02.21, 14.24'LT.	26.70'	5537.91
232	34+35.62, 5.00'RT.	20.00'	5538.92
233	34+83.21, 5.00'RT.	20.00'	5539.28
234	35+46.64, 0.04'LT.	25.05'	5539.05
235	35+87.63, 1.01'LT.	26.01'	5538.80
236	36+30.85, 0.77'RT.	24.33'	5538.48
237	36+86.68, 5.09'RT.	19.92'	5538.03
238	37+20.62, 0.73'RT.	26.31'	5537.93
239	36+79.49, 5.20'RT.	30.20'	5538.28
240	36+37.39, 1.48'RT.	26.66'	5538.48
241	35+48.36, 0.13'LT.	24.91'	5539.04
242	34+47.11, 5.00'RT.	30.00'	5539.21

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

NOTES

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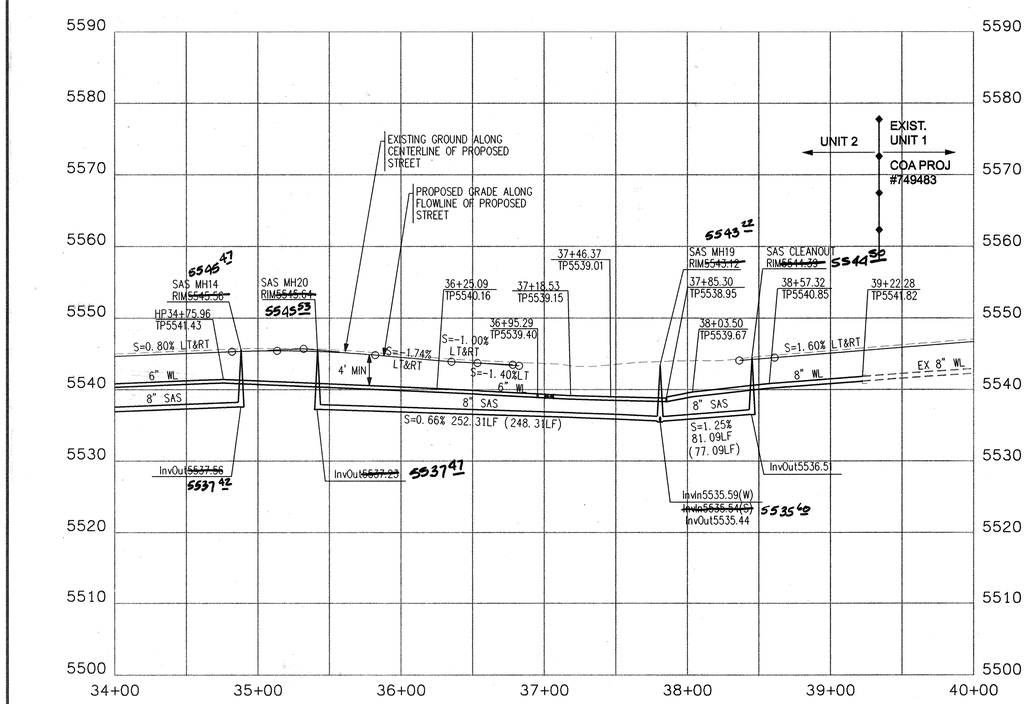
N

50 25 0 50
SCALE: 1" = 50'
(HORIZ.)

ALIGNMENT A 34+00 - 40+00



GENERAL NOTE:
***ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER TYPE "E" AS PER NM APWA STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.**

APPROVED FOR AMUI — DATE

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

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27-06

PROFESSIONAL SURVEYOR — STATE OF NEW MEXICO — No. 9750 — RUSS P. HUGG

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
UTILITY PLAN & PROFILE
ALIGNMENT A 34+00 - 40+00

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 18 2005 REVIEW	APPROVED SEP 26 2005 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	32	37

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

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)
NGVD 1929 ELEVATION = 5429.35

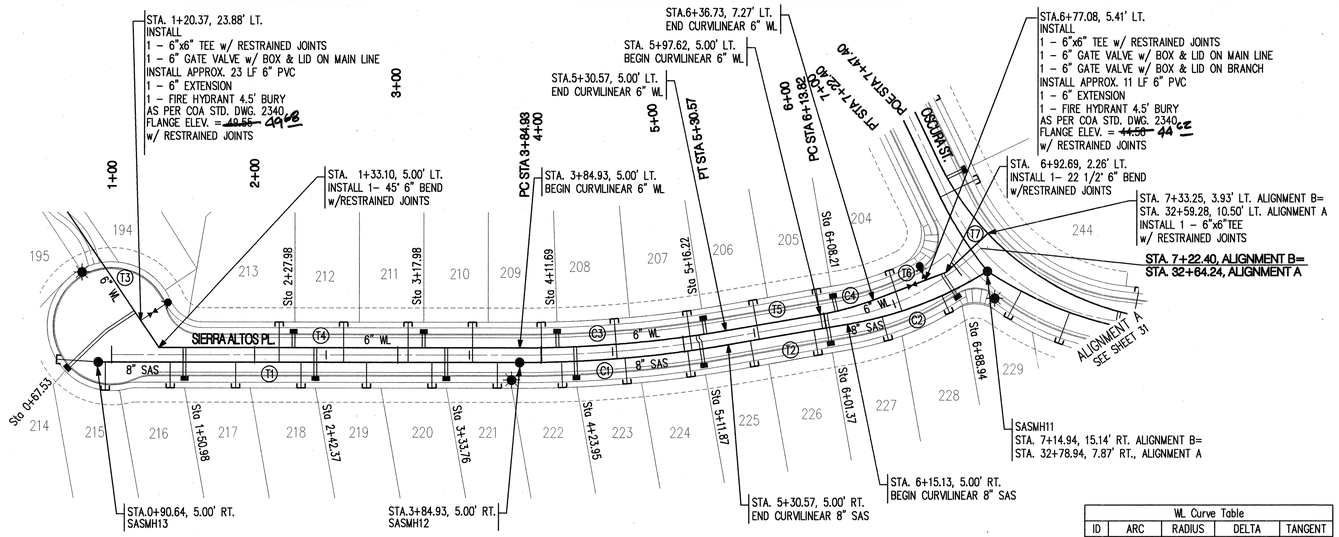
SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
KEVIN G. PATTON — NEW MEXICO — 7880 — REGISTERED PROFESSIONAL ENGINEER
3/14/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	JL/GPP	DATE DEC 04
DRAWN BY	ARR/JL/DM	DATE DEC 04
CHECKED BY	KGP	DATE DEC 04

14-MAR-2005 - P:\050125\cdp\pnp\Unit2\050125apro03.dgn



SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	146.49'	855.00'	09°49'00"	73.42'
C2	105.15'	275.00'	21°54'25"	53.22'

SAS Tangent Table		
ID	BEARING	LENGTH
T1	N89°48'19"W	294.29'
T2	S80°22'41"W	84.60'

WL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C3	144.78'	845.00'	09°49'00"	72.57'
C4	38.36'	200.00'	10°59'22"	19.24'

WL Tangent Table		
ID	BEARING	LENGTH
T3	S33°49'02"E	218.00'
T4	S89°48'19"E	251.83'
T5	N80°22'41"E	67.05'
T6	N69°23'19"E	54.49'
T7	N46°53'19"E	40.06'

SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
204	6+53.10, 6.64'RT.	29.74'	5538.37
205	5+97.65, 5.00'RT.	28.00'	5538.71
206	5+52.65, 5.00'RT.	28.00'	5539.01
207	5+05.25, 5.00'RT.	28.00'	5539.32
208	4+52.85, 5.00'RT.	28.00'	5539.67
209	4+00.44, 5.00'RT.	28.00'	5540.02
210	3+52.08, 5.00'RT.	28.00'	5540.53
211	3+07.08, 5.00'RT.	28.00'	5541.00
212	2+62.08, 5.00'RT.	28.00'	5541.47
213	2+17.08, 5.00'RT.	28.00'	5541.94
214	0+90.64, 5.00'RT.	29.24'	5543.29
215	0+95.65, 5.00'RT.	19.79'	5543.05
216	1+40.98, 5.00'RT.	18.00'	5542.54
217	1+86.68, 5.00'RT.	18.00'	5542.06
218	2+32.37, 5.00'RT.	18.00'	5541.58
219	2+78.07, 5.00'RT.	18.00'	5541.10
220	3+23.76, 5.00'RT.	18.00'	5540.63
221	3+69.46, 5.00'RT.	18.00'	5540.15
222	4+14.21, 5.00'RT.	18.00'	5539.73
223	4+58.26, 5.00'RT.	18.00'	5539.43
224	5+02.14, 5.00'RT.	18.00'	5539.14
225	5+46.37, 5.00'RT.	18.00'	5538.85
226	5+91.37, 5.00'RT.	18.00'	5538.55
227	6+39.21, 5.73'RT.	17.29'	5538.22
228	6+81.60, 9.65'RT.	13.45'	5537.85

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

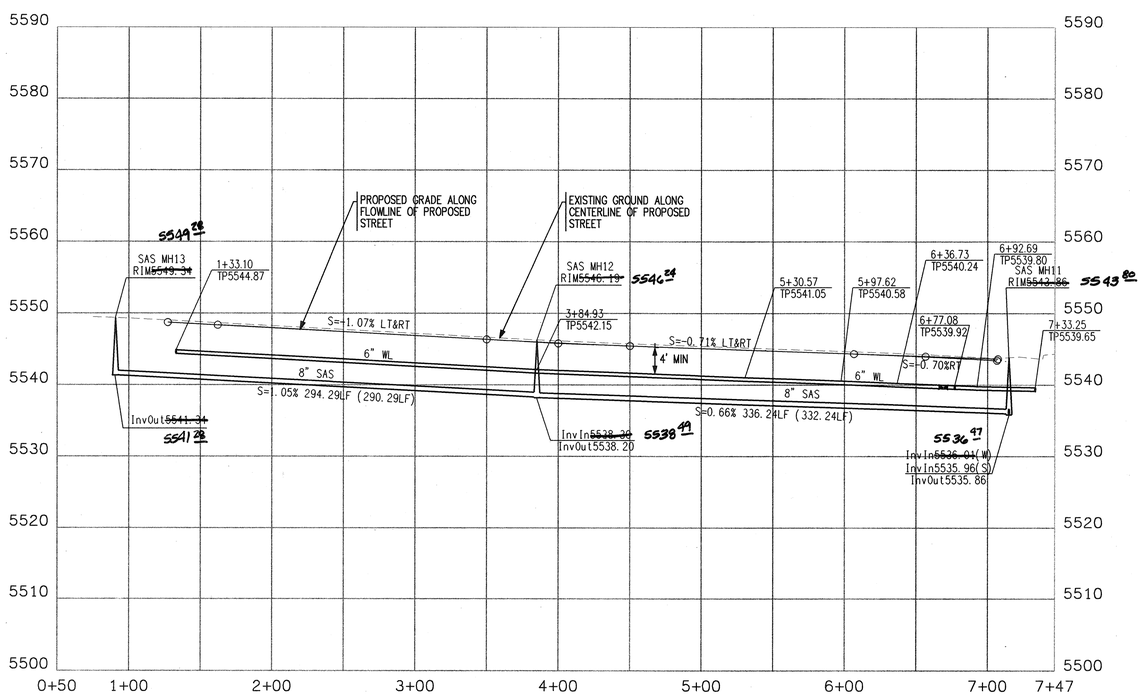
N

50 25 0 50
SCALE: 1" = 50'
(HORIZ.)

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
6. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
7. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
8. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
9. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
10. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
11. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

ALIGNMENT B



GENERAL NOTE:
*ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER TYPE "E" AS PER NM APWA STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.

APPROVED BY KMUI — DATE 3-17-05

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27 2006

STATE OF NEW MEXICO PROFESSIONAL SURVEYOR No. 9750 RUSS P. HUGG

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

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
UTILITY PLAN & PROFILE
ALIGNMENT B

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 18 2005 DESIGN REVIEW COMMITTEE	APPROVED SEP 26 2005 CITY ENGINEER			

ENGINEER'S SEAL: KEVIN G. PATTON, NEW MEXICO, 10889, REGISTERED PROFESSIONAL ENGINEER — 3/14/05

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

BENCH MARKS: ACS BRASS TABLET STAMPED "2-B10 1980" — GEOGRAPHIC POSITION (NAD 1927) (CENTRAL ZONE) — NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION — FIELD NOTES — NO. — BY — DATE

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	JL/APP	DEC 04
DRAWN BY	ARR/JL/DM	DEC 04
CHECKED BY	KGP	DEC 04

CITY PROJECT NO. 749486 | ZONE MAP NO. B-8-Z | SHEET 33 OF 37

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

14-MAR-2005 :
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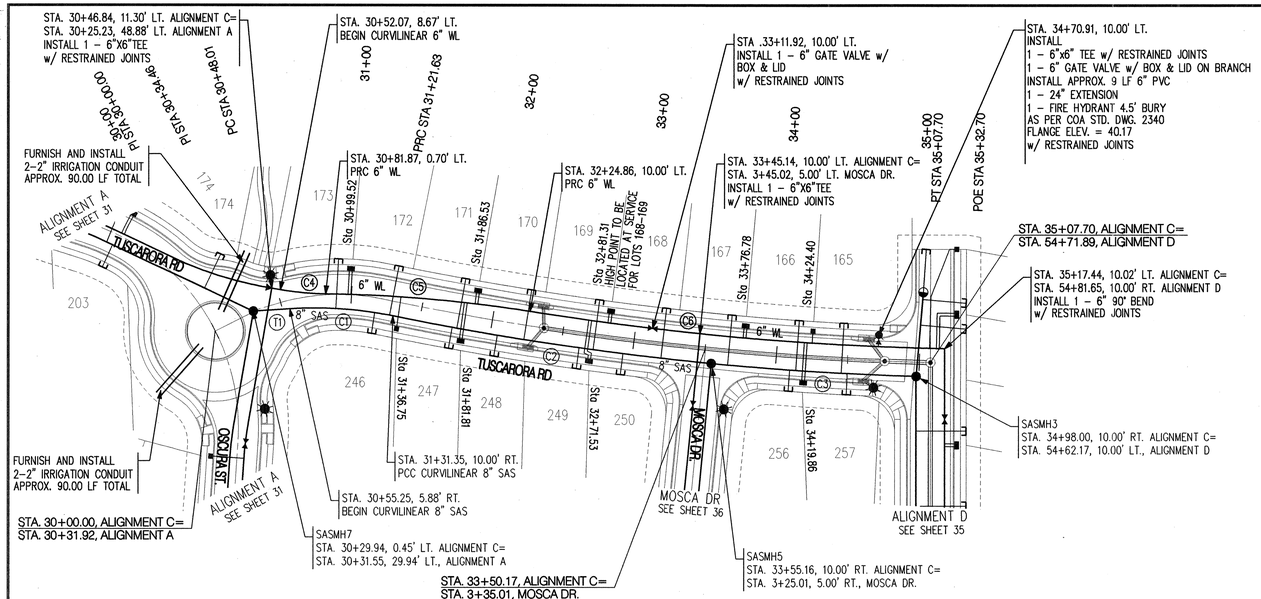
SCANNED BY PW



SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
165	34+45.92, 10.00'RT.	35.00'	5533.94
166	34+14.29, 10.00'RT.	35.00'	5533.27
167	33+66.67, 10.00'RT.	35.00'	5533.58
168	33+20.03, 10.00'RT.	35.00'	5533.97
169	32+72.41, 10.00'RT.	35.00'	5534.28
170	32+23.81, 10.00'RT.	35.00'	5536.34 (3.00')
171	31+76.58, 10.00'RT.	35.00'	5534.92
172	31+28.96, 10.01'RT.	35.01'	5535.23
173	30+88.95, 9.78'RT.	34.84'	5535.48
246	31+18.14, 10.31'RT.	14.67'	5534.90
247	31+73.33, 10.00'RT.	15.00'	5534.54
248	32+05.11, 10.00'RT.	15.00'	5534.33
249	32+62.68, 10.00'RT.	15.00'	5533.95
250	32+93.40, 10.00'RT.	15.00'	5533.74
256	34+09.97, 10.00'RT.	15.00'	5532.90
257	34+50.17, 10.00'RT.	15.00'	5532.63

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	72.36'	275.00'	15°04'31"	36.39'
C2	224.84'	2192.00'	05°52'37"	112.52'
C3	143.50'	2192.00'	03°45'03"	71.78'

SAS Tangent Table		
ID	BEARING	LENGTH
T1	S57°04'56"W	25.66'

WL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C4	31.72'	200.00'	09°05'18"	15.90'
C5	143.33'	1000.00'	08°12'43"	71.79'
C6	291.29'	2172.00'	07°41'02"	145.86'

N

50 25 0 50

SCALE: 1" = 50'
(HORIZ.)

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
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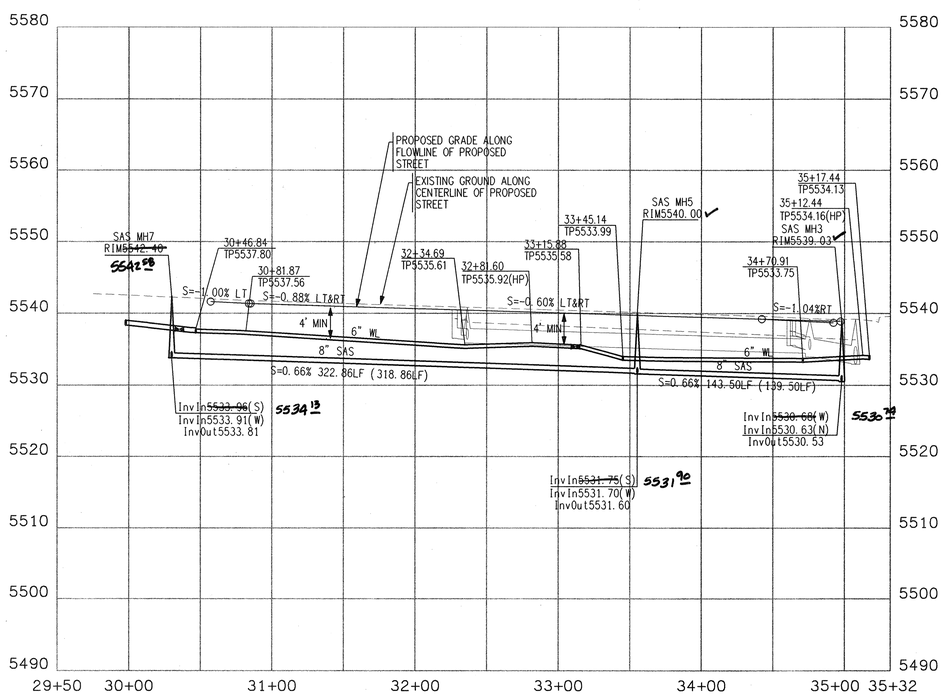
ALIGNMENT C



GENERAL NOTE:
***ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER TYPE "E" AS PER NM APWA STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.**

APPROVED FOR NMUI — DATE

SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as–built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27-06

PROFESSIONAL SURVEYOR — STATE OF NEW MEXICO — No. 9750 — RUSS P. HUGG

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

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
PLAN & PROFILE
ALIGNMENT C

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 18 2005 DESIGN REVIEW COMMITTEE	APPROVED SEP 26 2005 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B–8–Z	34	37

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

14-MAR-2005 - P:\050125\cdp\pnp\Unit2\050125apnp05.dgn

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

BENCH MARKS
ACS BRASS TABLET STAMPED"2–B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)
NGVD 1929 ELEVATION = 5429.35

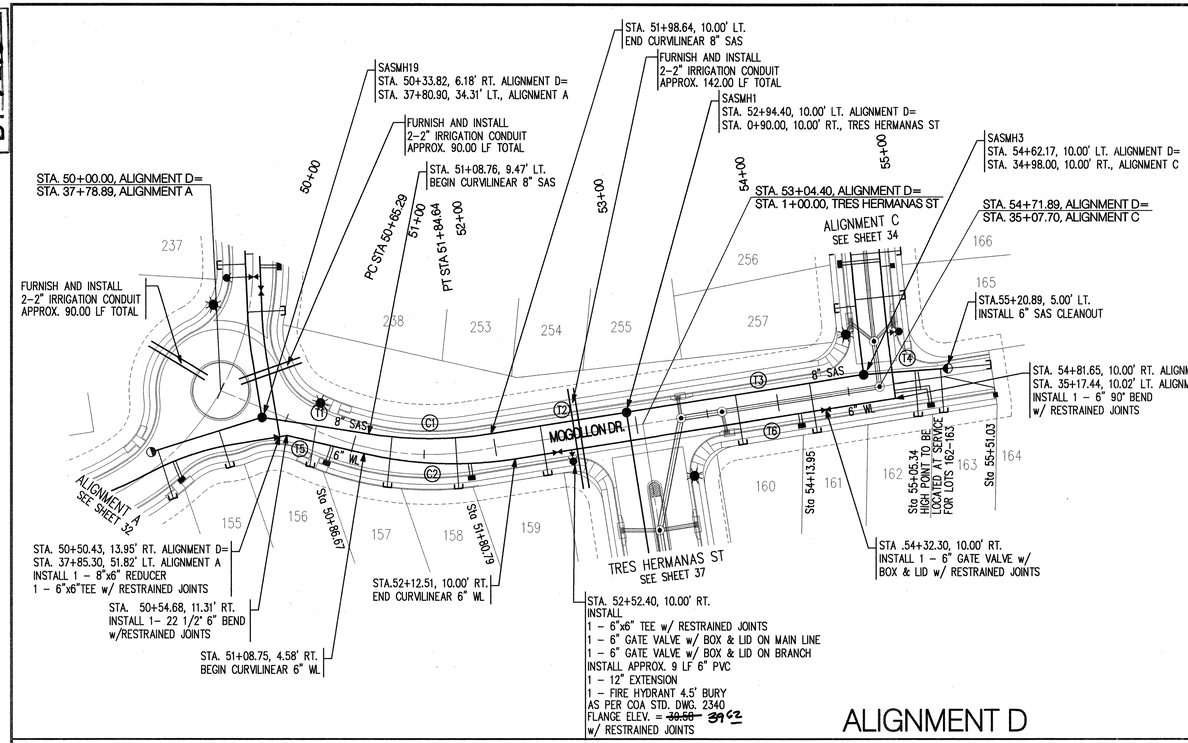
SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
KEVIN G. PATTON — NEW MEXICO — 13985 — REGISTERED PROFESSIONAL ENGINEER
3/14/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	JL/GPP	DATE DEC 04
DRAWN BY	ARR/JL/DM	DATE DEC 04
CHECKED BY	KGP	DATE DEC 04

SCANNED BY RW



SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	85.80'	275.00'	17°52'34"	43.25'

SAS Tangent Table		
ID	BEARING	LENGTH
T1	S11°20'44"E	75.39'
T2	S29°13'18"E	95.77'
T3	N29°13'18"W	167.76'
T4	N24°21'17"W	58.93'

WL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C2	106.23'	275.00'	22°07'56"	53.78'

WL Tangent Table		
ID	BEARING	LENGTH
T5	N07°05'22"W	55.42'
T6	N29°13'18"W	303.83'

SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
156	50+70.99, 3.12'LT.	29.02'	5536.52
157	51+25.99, 10.47'LT.	35.51'	5535.40
158	51+72.93, 10.81'LT.	35.83'	5534.38
159	52+33.40, 10.00'LT.	35.00'	5534.00 (2.00')
160	53+71.49, 10.00'LT.	35.00'	5532.04
161	54+23.95, 10.00'LT.	35.00'	5532.36
162	54+98.06, 6.94'LT.	32.06'	5532.82
163	55+15.93, 5.42'LT.	30.53'	5532.90
164	55+20.89, 5.00'LT.	30.21'	5532.92

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

NOTES

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2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
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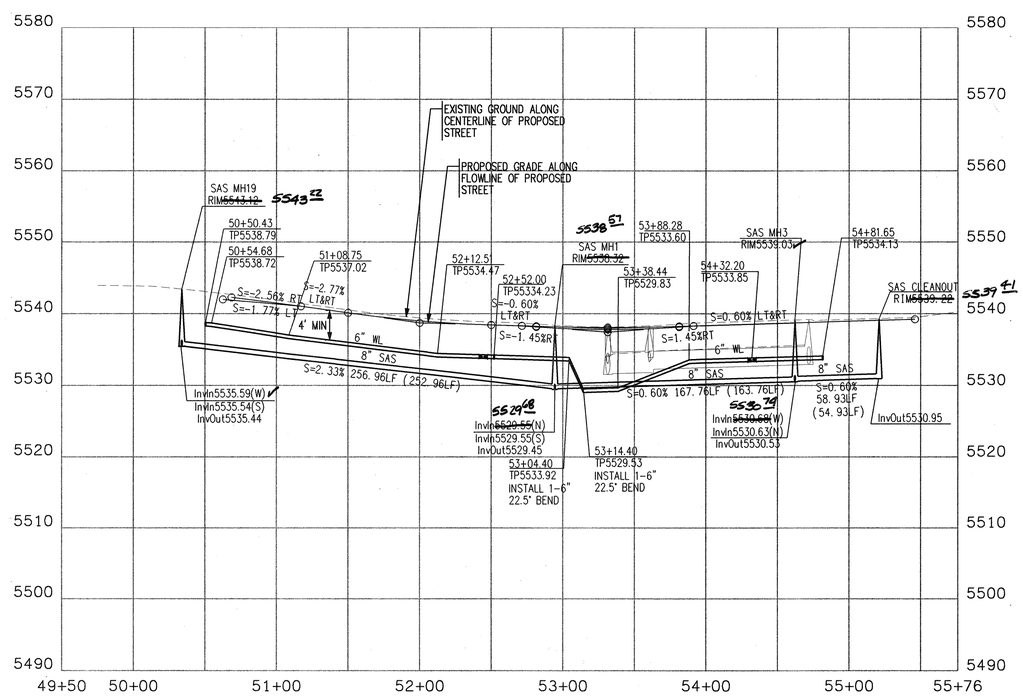
N

SCALE: 1" = 50'
(HORIZ.)

ALIGNMENT D



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27 20 06

GENERAL NOTE:
***ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER TYPE "E" AS PER NM APWA STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.**

APPROVED FOR NMUI 3-17-05 DATE

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

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

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KEVIN G. PATTON
NEW MEXICO
13689
REGISTERED PROFESSIONAL ENGINEER
3/14/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY JL/JFP DATE DEC 04
DRAWN BY ARR/JL/DM DATE DEC 04
CHECKED BY KGP DATE DEC 04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
UTILITY PLAN & PROFILE
ALIGNMENT D

DESIGN REVIEW COMMITTEE: APPROVED MAR 1 8 2005 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED SEP 2 6 2005 CITY ENGINEER
LAST DESIGN UPDATE MO./DAY/YR. MO./DAY/YR.

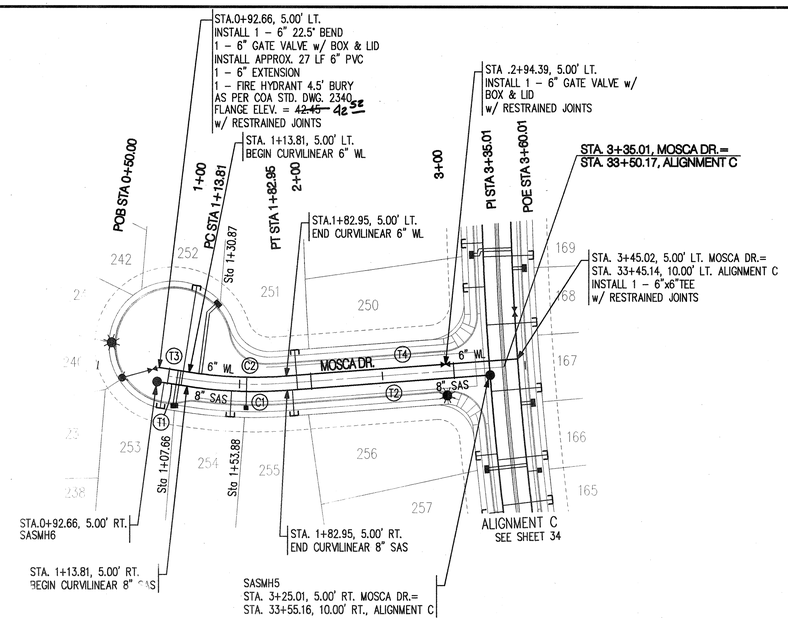
CITY PROJECT NO. 749486 | ZONE MAP NO. B-8-Z | SHEET 35 OF 37

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

14-MAR-2005 -
P:\050125\dgn\Unit2\050125sprp06.dgn

SCANNED BY pw



SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	70.30'	305.00'	13°12'21"	35.31'

SAS Tangent Table		
ID	BEARING	LENGTH
T1	S10°26'07"E	21.15'
T2	S23°38'28"E	142.06'

WL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C2	67.99'	295.00'	13°12'21"	34.15'

WL Tangent Table		
ID	BEARING	LENGTH
T3	N10°26'07"W	21.15'
T4	N23°38'28"W	162.07'

SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
251	1+90.15, 5.00'RT.	28.00'	5534.79
252	1+09.66, 5.00'RT.	70.95'	5536.38
253	0+97.66, 5.00'RT.	17.94'	5535.42
254	1+44.59, 5.00'RT.	18.00'	5535.00
255	1+86.50, 5.00'RT.	18.00'	5534.62

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
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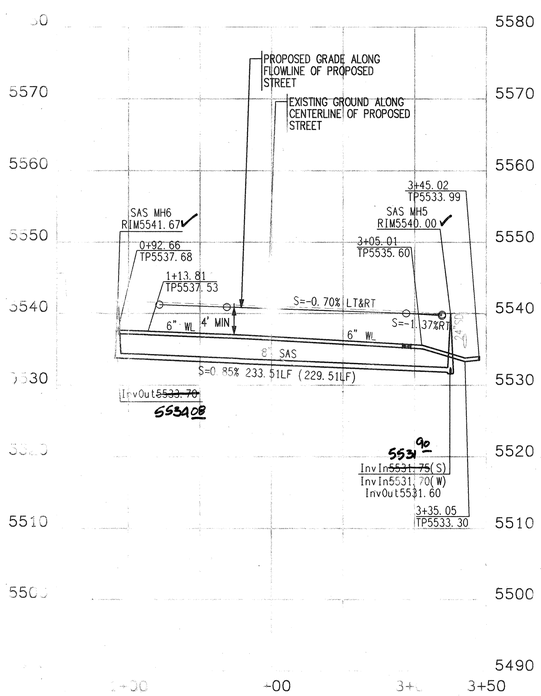
9. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
10. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
11. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

N

SCALE: 1" = 50'
(HORIZ.)

MOSCA DR.



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, Hereby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
1-27-06

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO No. 9750 RUSS P. HUGG

SCAL

BHI JOB NO. 050125

GENERAL NOTE:
***ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER TYPE "E" AS PER NM APWA STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.**

APPROVED FOR NMUD 3-14-05 DATE

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
WESTERN RIDGE UNIT 2 SUBDIVISION
UTILITY PLAN & PROFILE
MOSCA DR.

DESIGN COMMITTEE APPROVAL
APPROVED MAR 1 6
REVIEW

CITY ENGINEER APPROVAL
APPROVED SEP 26 2005
CITY ENGINEER

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

BENCH MARKS
ACS BRASS TABLET STAMPED "2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)
NGVD 1929 ELEVATION = 5429.35

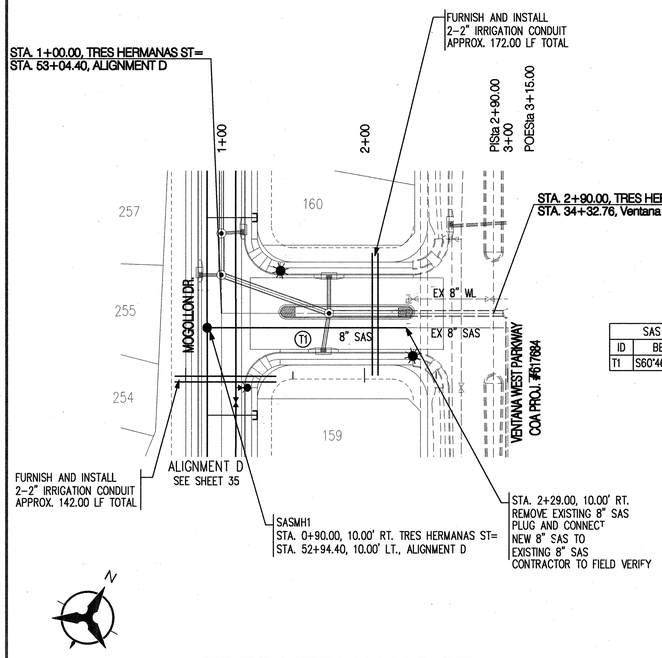
SURVEY INFORMATION
FIELD NOTES
PLAT
JOB
ENGINEER'S SEAL

REVIN G. PATTON NEW MEXICO 15269 PROFESSIONAL ENGINEER
3/14/05

NO.	DATE	REMARKS	BY

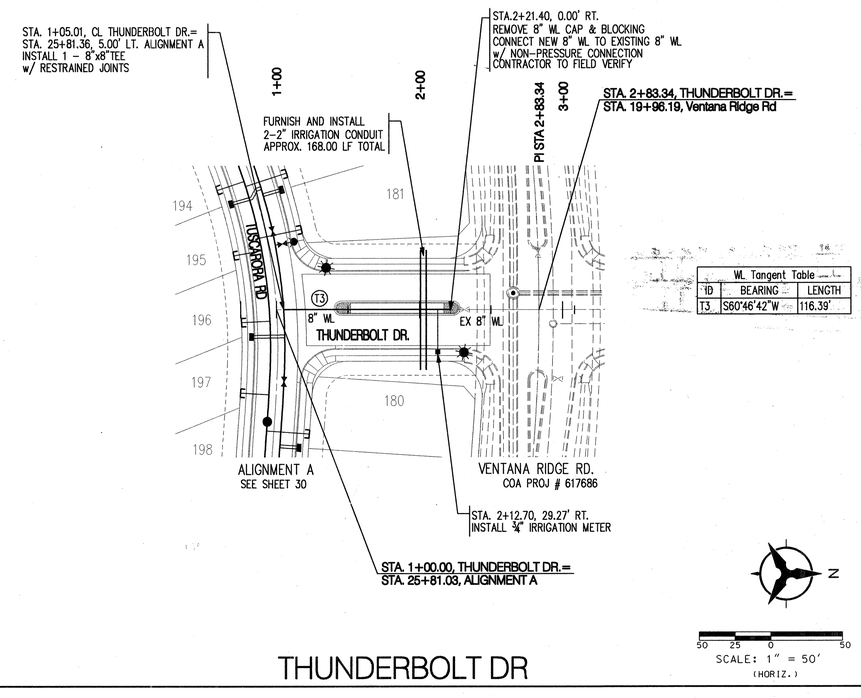
DATE DEC 04

SCANNED BY Pw



SAS Tangent Table		
ID	BEARING	LENGTH
T1	S60°46'42"W	139.00'

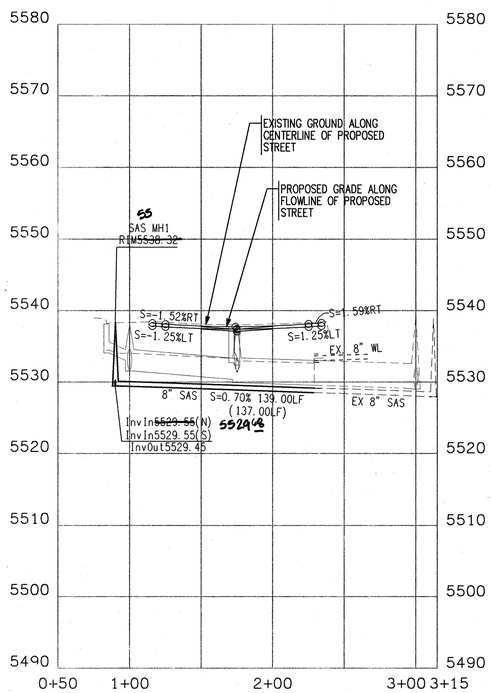
TRES HERMANAS ST

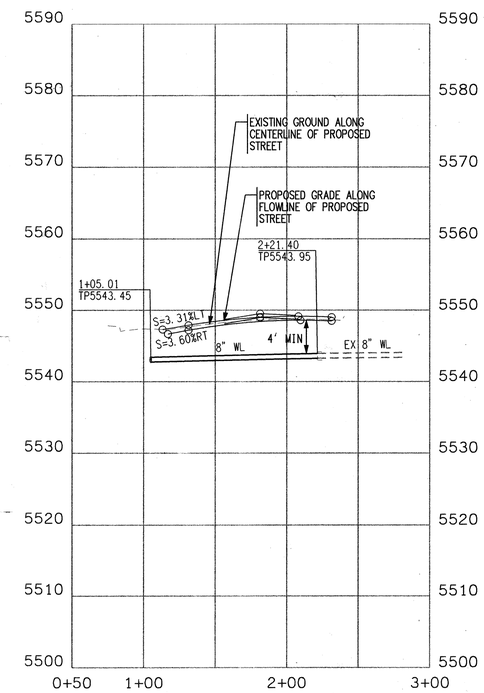


WL Tangent Table		
ID	BEARING	LENGTH
T3	S60°46'42"W	116.39'

50 25 0 50
SCALE: 1" = 50'
(HORIZ.)

THUNDERBOLT DR





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Russ P. Hugg
NMPS No. 9750
1-27 20 06

NEW MEXICO No. 9750 RUSS P. HUGG

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
6. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
7. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
8. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
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APPROVED FOR NMUI — DATE 3-

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

WESTERN RIDGE (UNIT 2) SUBDIVISION AT VENTANA RANCH WEST
UTILITY PLAN & PROFILE
TRES HERMANAS ST / THUNDERBOLT DR

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 16 2005 DESIGN REVIEW COMMITTEE	APPROVED SEP 26 2005 CITY ENGINEER			

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

BENCH MARKS
ACS BRASS TABLET STAMPED 2-B10 1980"
GEOGRAPHIC POSITION (NAD 1927)
(CENTRAL ZONE)
NGVD 1929 ELEVATION = 5429.35

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
KEVIN G. PATTON NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
3/14/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY JL/APP DATE DEC 04
DRAWN BY ARR/JL/DM DATE DEC 04
CHECKED BY KGP DATE DEC 04

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 050125

14-MAR-2005 - P:\050125\sgrpnn, z050125sgrp08.dgn

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
749486	B-8-Z	37	37