

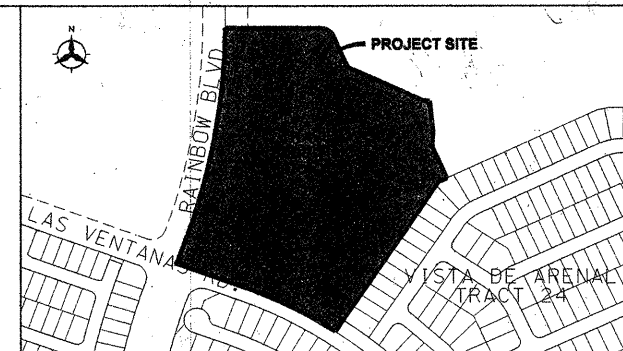
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26-6828.81-2012

SCANNED BY
PLANNING

CONSTRUCTION PLANS FOR TRAVILLA SUBDIVISION AT VENTANA RANCH ALBUQUERQUE, NEW MEXICO

INDEX

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2	SITE DESCRIPTION PLAN
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10	OVERALL UTILITY PLAN
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15	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
16	TYPICAL TRAFFIC CONTROL AND SIGNING EXAMPLES (REF. M.U.T.C.D.)



VICINITY MAP: NOT TO SCALE ZONE MAP NO. B-9

NOTICE TO CONTRACTORS

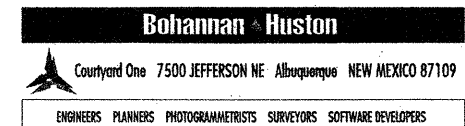
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AND SHALL INCLUDE UPDATE No. 6.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- 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.
- 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 BARRICADE PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- 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.
- 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.
- ANY WORK WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- ALL UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW MEXICO UTILITIES, INC. SPECIFICATIONS FOR WATER AND WASTEWATER FACILITIES (MOST RECENT REVISIONS).
- THE CONTRACTOR SHALL NOTIFY NEW MEXICO UTILITIES (898-2661) THREE WORKING DAYS PRIOR TO BEGINNING THE CONSTRUCTION OF THE UTILITIES.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- 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.

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

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<i>[Signature]</i>	4-12-02	APPROVED FOR CONSTRUCTION		
		Transportation	<i>[Signature]</i>	2-27-02			
		Water/Wastewater	<i>[Signature]</i>	2/27/02			
		Hydrology	<i>[Signature]</i>	2-27-02			
		CIP	<i>[Signature]</i>	2-27-02			
		Const. Mngmt.	<i>[Signature]</i>	4-12-02	City Engineer <i>[Signature]</i> Date 1/23/02		
		Const. Coord.	<i>[Signature]</i>	4-12-02			
		NMUI	<i>[Signature]</i>	3-7-02			
DRB Case Number		City Project No.		Sheet		Of	
-1001101		682881		1		16	



TRAVILLA SUBDIVISION AT VENTANA RANCH
SITE DESCRIPTION PLAN

BHI JOB NO. 020067

SCANNED BY
PLANNING

00.001 3.71

TRAVILLA SUBDIVISION
AT VENTANA RANCH
ALBUQUERQUE, NEW MEXICO
JANUARY, 2002

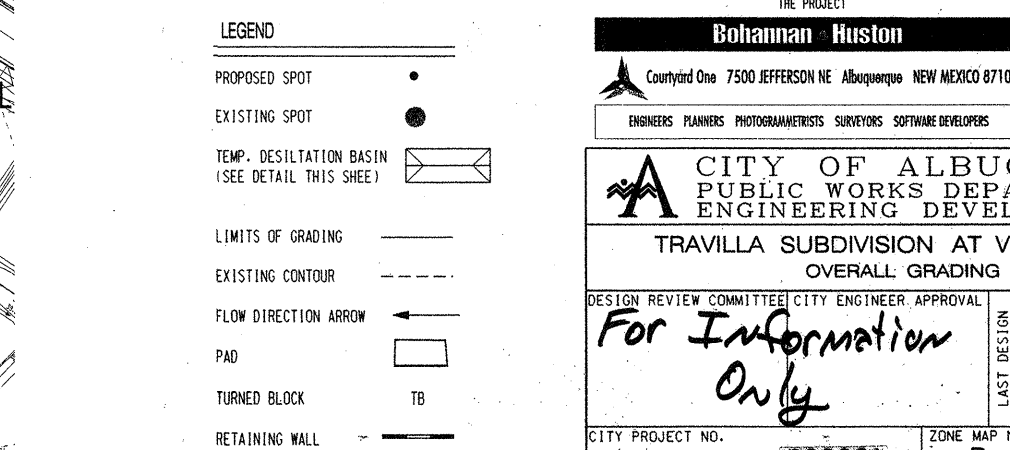
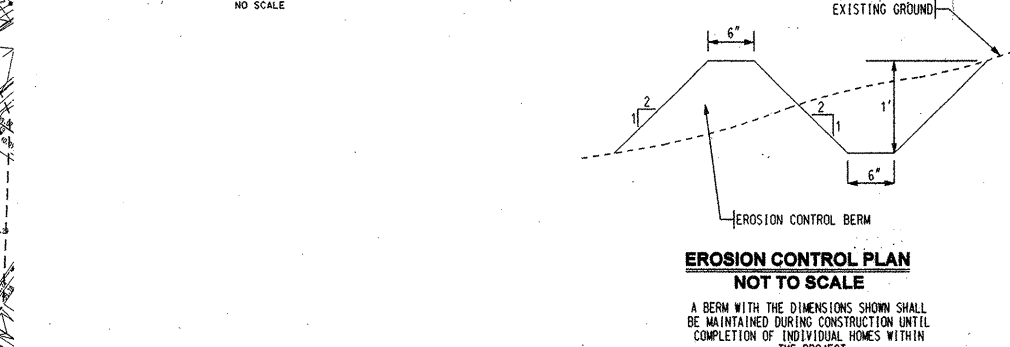
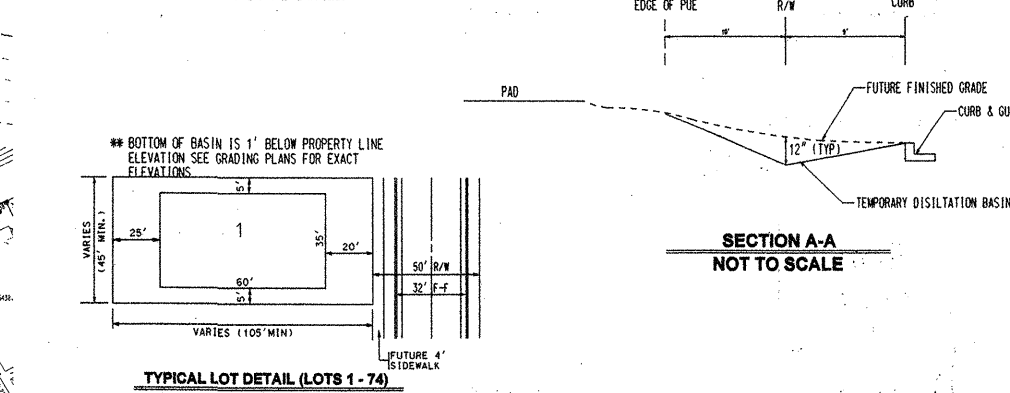
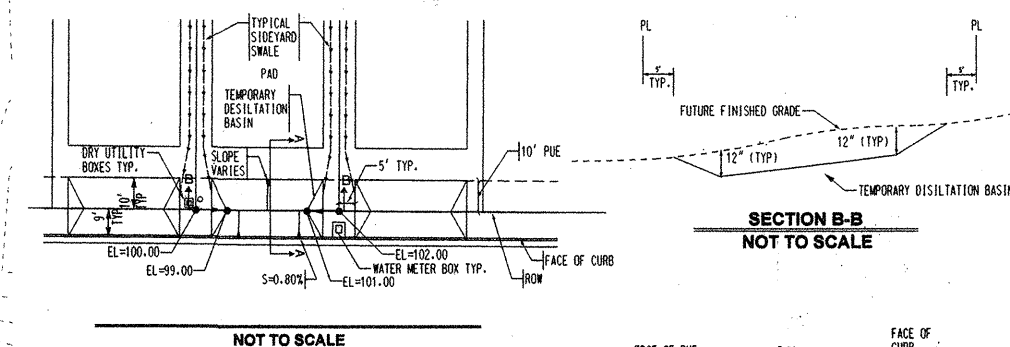
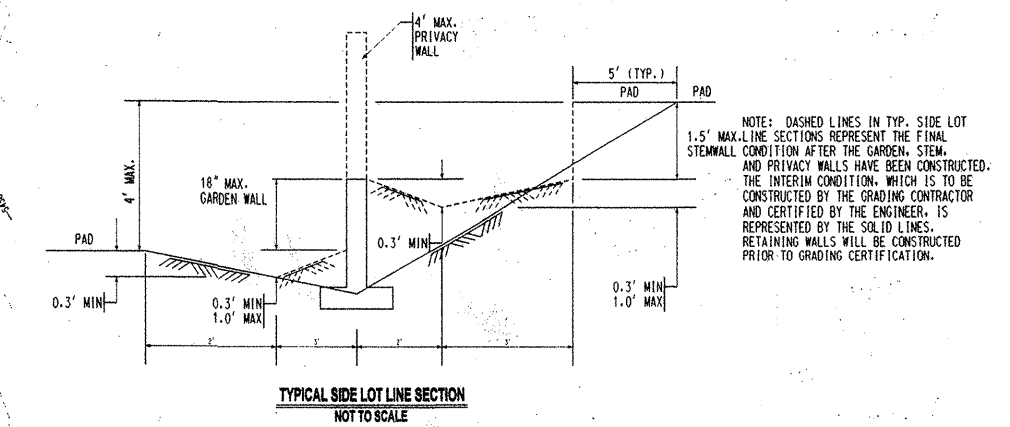
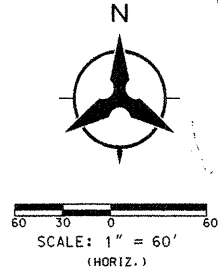
PLAT OF
TRAVILLA SUBDIVISION
AT VENTANA RANCH
(A REPLAT OF TRACTS 23 & X-1-A-1-A-1
VENTANA RANCH)
ALBUQUERQUE, NEW MEXICO
JANUARY, 2002

TANGENT DATA

ID	BEARING	DISTANCE
11	N89°43'00"W	52.44'
12	N89°43'00"W	52.44'
13	N89°43'00"W	52.44'
14	N89°43'00"W	52.44'
15	N89°43'00"W	52.44'
16	N89°43'00"W	52.44'
17	N89°43'00"W	52.44'
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CURVE DATA

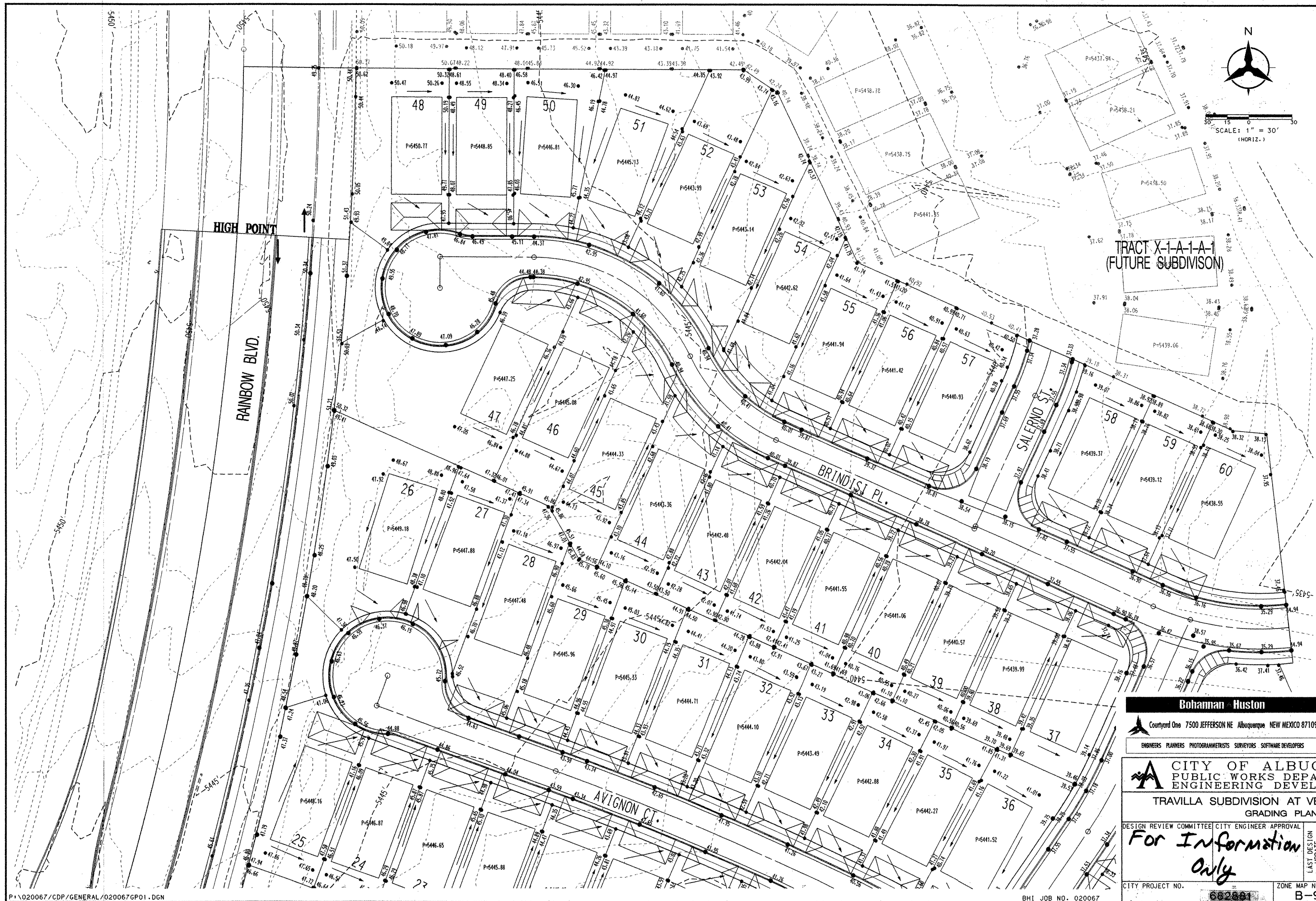
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C101	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C102	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C103	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C104	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C105	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C106	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C107	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C108	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C109	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C110	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C111	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C112	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C113	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C114	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C115	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C116	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
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C121	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C122	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C123	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C124	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C125	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C126	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C127	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C128	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C129	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	
C130	94°51'43"	48.00'	74.56'	45.00'	66.33'	558°22'00"W	



BENCH MARKS		AS-BUILT INFORMATION	
ACS BRASS TABLE STAMPED 1-B9 1980	CONTRACTOR	DATE	NO.
GEOGRAPHIC POSITION (NAD 1927)	INSPECTOR'S	DATE	NO.
N.M. STATE PLANE COORDINATES	ACCEPTANCE BY	DATE	NO.
(CENTRAL ZONE) X=355,077.00	VERIFICATION BY	DATE	NO.
Y=1,529,056.93	DATE	DATE	NO.
GROUND-TO-GRID FACTOR = .99966334	DATE	DATE	NO.
DELTA ALPHA = 00°16'47"	DATE	DATE	NO.
NCVD 1929 ELEVATION = 5450.51	DATE	DATE	NO.

ENGINEER'S SEAL		SURVEY INFORMATION	
KEYING G. PATTON	BY	DATE	NO.
1-17-02	DATE	DATE	NO.
REVISIONS	DATE	DATE	NO.
DESIGN	DATE	DATE	NO.
DATE 07/2001	DATE 07/2001	DATE 07/2001	DATE 07/2001
DESIGNED BY YOP	DRAWN BY BJB	CHECKED BY KGP	

CITY OF ALBUQUERQUE		PUBLIC WORKS DEPARTMENT	
ENGINEERS	PLANNERS	PHOTOGRAMMETRISTS	SURVEYORS
SOFTWARE DEVELOPERS			
TRAVILLA SUBDIVISION AT VENTANA RANCH			
OVERALL GRADING PLAN			
DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.	
For Information Only			
CITY PROJECT NO. 682001	ZONE MAP NO. B-9	SHEET 4A	OF 16



ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	DATE	REMARKS	BY	DATE	NO.	DATE	NO.
		REVISIONS			ACS BRASS TABLET STAMPED 1-89 1980		
		DESIGN			GEOGRAPHIC POSITION (NAD 1927)		
					N.M. STATE PLANE COORDINATES		
					(CENTRAL ZONE) X=555+077.00		
					Y=1+529+056.93		
					GROUND-TO-GRID FACTOR = .99966334		
					DELTA ALPHA -00°16'47"		
					NGVD 1929 ELEVATION = 5450.51		

Bohannon & Huston
 County One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
 ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP
 TRAVILLA SUBDIVISION AT VENTANA RANCH
 GRADING PLAN

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL
 For Information Only
 LAST DESIGN UPDATE

CITY PROJECT NO. 020067 ZONE MAP NO. B-9 SHEET 48 OF 16



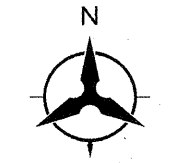
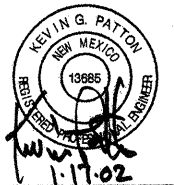
ENGINEER'S SEAL SURVEY INFORMATION		FIELD NOTES		BENCH MARKS		AS-BUILT INFORMATION	
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				CONTRACTOR'S ACCEPTANCE BY DATE			
				FIELD CHECKED BY DATE			
				DRAWINGS CORRECTED BY DATE			
				MICRO-FILM INFORMATION			
				RECORDED BY DATE			
				NOV 1929 ELEVATION = 5450.51			

REMARKS	DATE	BY
DESIGNED BY YOP	DATE 07/2001	
DRAWN BY BUG	DATE 07/2001	
CHECKED BY KGP	DATE 07/2001	

NO.	DATE	REVISIONS
		DESIGN

LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

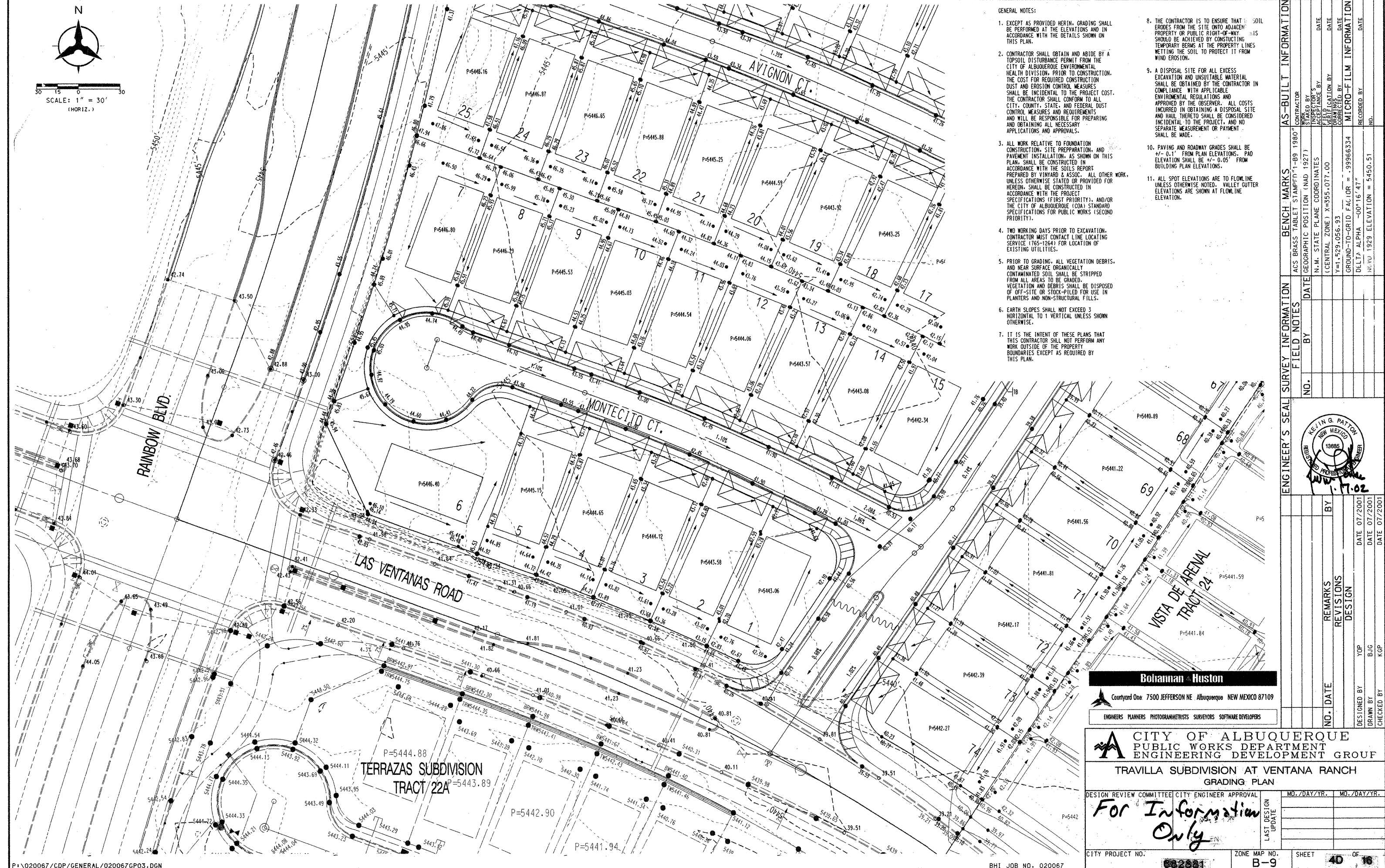
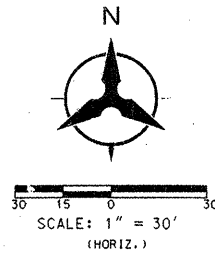
CITY PROJECT NO.	ZONE MAP NO.	SHEET
	B-9	4C OF 10



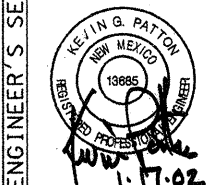
Bohannon & Huston
Courtyard One 7500 JEFFERSON NE Albuquerque, NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TRAVILLA SUBDIVISION AT VENTANA RANCH
GRADING PLAN

DESIGN REVIEW COMMITTEE/CITY ENGINEER APPROVAL
For Information Only
CITY PROJECT NO. 020067
ZONE MAP NO. B-9
SHEET 4C OF 10



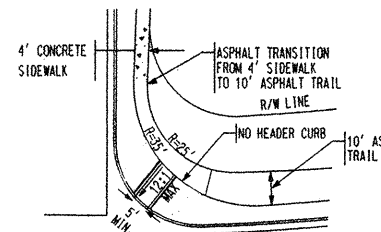
- GENERAL NOTES:
- EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
 - CONTRACTOR SHALL OBTAIN AND ABIDE BY A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION, PRIOR TO CONSTRUCTION. THE 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.
 - ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SOILS REPORT PREPARED BY VINYARD & ASSOC. ALL OTHER WORK, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (FIRST PRIORITY), AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
 - TWO WORKING DAYS PRIOR TO EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (1-866-1264) FOR LOCATION OF EXISTING UTILITIES.
 - 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.
 - EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
 - 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.
 - THE CONTRACTOR IS TO ENSURE THAT SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES NETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
 - 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 HAIL THERE TO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
 - PAVING AND ROADWAY GRADES SHALL BE $\pm 0.1'$ FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE $\pm 0.05'$ FROM BUILDING PLAN ELEVATIONS.
 - ALL SPOT ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOWLINE ELEVATION.



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

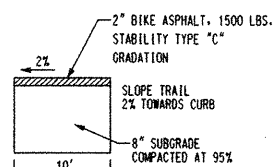
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TRAVILLA SUBDIVISION AT VENTANA RANCH GRADING PLAN	
DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL	MO./DAY/YR.
For Information Only	
CITY PROJECT NO. 020067	ZONE MAP NO. B-9
DESIGNED BY YOP	CHECKED BY KGP
DATE 07/2001	DATE 07/2001
DRAWN BY BJB	DATE 07/2001
CHECKED BY	DATE 07/2001

ENGINEER'S SEAL		SURVEY INFORMATION		FIELD NOTES		BENCH MARKS		AS-BUILT INFORMATION	
NO.	DATE	BY	DATE	NO.	DATE	CONTRACTOR	INSPECTOR	CONTRACTOR	INSPECTOR
						ACS BRASS TABLE STAMPT 1-B9 1980	STAMPED BY	STAMPED BY	STAMPED BY
						GEOGRAPHIC POSITION (NAD 1927)	INSPECTOR'S	INSPECTOR'S	INSPECTOR'S
						N.M. STATE PLANE COORDINATES	DATE	DATE	DATE
						(CENTRAL ZONE) X=355,077.00	VERIFICATION BY	VERIFICATION BY	VERIFICATION BY
						Y=1,529,056.93	DATE	DATE	DATE
						GROUND-TO-GRID FACTOR = .99966334	CORRECTED BY	CORRECTED BY	CORRECTED BY
						DLTA ALPHA -00'16'47"	MICRO-FILM INFORMATION	MICRO-FILM INFORMATION	MICRO-FILM INFORMATION
						NOV 1929 ELEVATION = 5450.51	RECORDED BY	RECORDED BY	RECORDED BY
							NO.	NO.	NO.

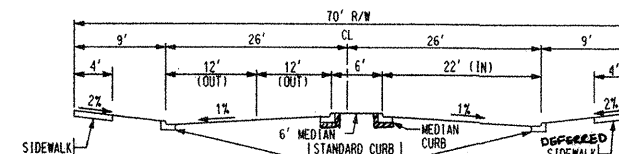


**TRANSITION DETAIL FROM
4' SIDEWALK TO 10' ASPHALT TRAIL**

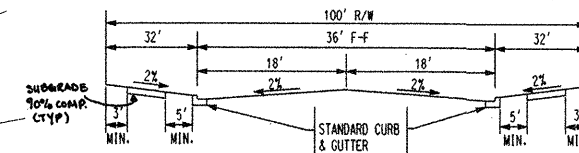
NOT TO SCALE
(RAMPS TO BE BUILT
WITH THIS PROJECT)



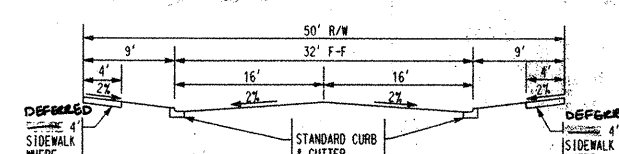
ASPHALT TRAIL
NOT TO SCALE



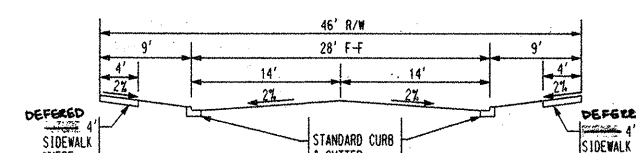
ENTRANCE TO SUBDIVISION STREET SECTION
NOT TO SCALE



EXISTING LAS VENTANAS ROAD - STREET SECTION C-C

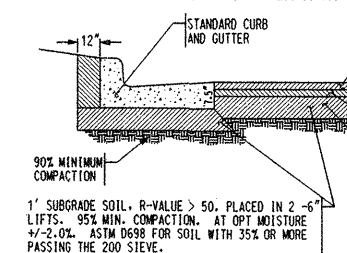


TYPICAL STREET SECTION A-A
NOT TO SCALE



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."



1.5" RESIDENTIAL ASPHALT CONCRETE TYPICAL
FINISH COURSE PLACED AFTER ALL MANHOLE
1.5" COVERS/PIES HAVE BEEN SET TO GRADE.
TYPE "B" GRADATION. 1500 lbs. STABILITY

TACK COAT AS REQUIRED BY THE ENGINEER
BEFORE ALL ASPHALT/AGGREGATE MATERIAL
LIFTS.

1.5" RESIDENTIAL ASPHALT CONCRETE.
TYPE "B" GRADATION. 1500 lbs. STABILITY

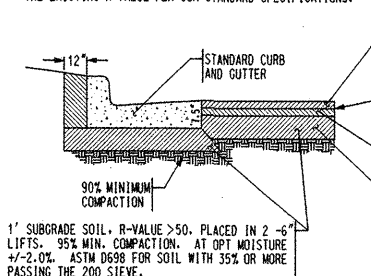
FINISH SURFACES OF SUBGRADE SHALL BE
MOISTURE CONTROLLED AT THE COMPACTION
MOISTURE RANGE, OR A PRIME COAT APPLIED
AS REQUIRED BY THE ENGINEER UNTIL NEXT/
FINAL SURFACING IS COMPLETED. SUBGRADE
PREPARATION SHALL BE ACCORDING TO ALL
SUBSURFACE R/W UTILITIES CONSTRUCTION
ARE COMPLETED.

TYPICAL SUBDIVISION PAVEMENT SECTION

(REFER TO COA STD. DWG. 2405)
(EXCEPT TYPE "B" GRADATION SHALL BE USED)
NOT TO SCALE

LIMITS OF PAVEMENT SECTION AT VALLEY GUTTER

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."



1-5" RESIDENTIAL ASPHALT CONCRETE TYPICAL
FINISH COURSE PLACED AFTER ALL MANHOLE
& VALVE COVERS/RINGS ARE SET TO GRADE.
TYPE "B" GRADATION: 1500 LBS. STABILITY

TACK COAT AS REQUIRED BY THE ENGINEER
BETWEEN ALL ASPHALT/AGGREGATE MATERIAL
LIFTS

2-5" RESIDENTIAL ASPHALT CONCRETE.
TYPE "A" GRADATION: 1500 LBS. STABILITY

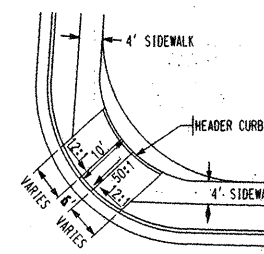
FINISH SURFACES OF SUBGRADE SHALL BE
MOISTURE CONTROLLED AT THE COMPACTION
MOISTURE RANGE, OR A PRIME COAT APPLIED
AS REQUIRED BY THE ENGINEER UNTIL NEXT
FINAL SURFACING IS COMPLETED. SUBGRADE
PREPARATION SHALL BE PERFORMED AFTER ALL
UNDERGROUND UTILITIES CONSTRUCTION
IS COMPLETED.

**ENTRANCE TO SUBDIVISION
(OFF OF LAS VENTANAS RD.) (A)
PAVEMENT SECTION (SHADED AREA)**

NOT TO SCALE
(MATCH COA PROJECT #617681)

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' ASPHALT TRAIL	=====
CROWN FLATTENING	=====



**WHEEL CHAIR RAMP DETAIL
SEE MODIFIED STD. DWG. 2441 CASE II**

NOT TO SCALE
(AS USED THROUGHOUT
VENTANA RANCH)

P:\020067\CDP\GENERAL\020067OPAV.DGN

BHI JOB NO. 020067

Bohannon • 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
	TRAVILLA SUBDIVISION AT VENTANA RANCH OVERALL PAVING PLAN

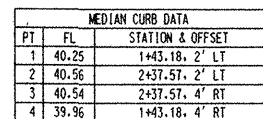
DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		MO./DAY/YR.		MO./DAY/YR.	
APPROVE  APR 12 2002	DESIGN REVIEW COMMITTEE	APPROVE  APR 23 2002	CITY ENGINEER	LAST DESIGN UPDATE			

CITY PROJECT NO.		682881	ZONE MAP NO.	B-9	SHEET	5	OF	16
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ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
FIELD NOTES		DATE		CONTRACTOR		DATE	
NO.		BY		GEOGRAPHIC POSITION (NAD 1927)		INSPECTOR'S ACCEPTANCE BY	
				N.M. STATE PLANE COORDINATES		DATE	
				(CENTRAL ZONE) X=355.077.00		DATE	
				Y=1,529,056.93		DATE	
				GROUND-TO-GRID FACTOR = .99966334		DATE	
				DELTA ALPHA = -00°16'47"		DATE	
				NGVD 1923 ELEVATION = 5450.51		DATE	
				NO.		DATE	

[illegible]

QUERQUE		
ARTMENT		
COMPONENT GROUP		
ENTANA RANCH		
PLAN		
UPDATE	MO./DAY/YR.	MO./DAY/YR.
NO. 19	SHEET 5 OF 16	



1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY 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 TO INSTALL A 4" X 4" X 5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER), PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC., DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

- 1 INSTALL 6' CONCRETE VALLEY GUTTER
AS PER STD. DWG. 2420
- 2 INSTALL CONCRETE VALLEY GUTTER
AS PER STD. DWG. 2421
- 3 INSTALL WHEELCHAIR RAMP AS
PER STD. DWG. 2441, CASE 1
- 4 INSTALL WHEELCHAIR RAMP AS
PER MODIFIED DETAIL DWG. 2441,
CASE II WITH ALTERNATE SECTION
AA AND AS PER DETAIL SHEET 5
- 5 STD. CURB & GUTTER
AS PER STD. DWG. 2415
- 6 MEDIAN CURB & GUTTER
AS PER STD. DWG. 2415
- 7 DEFERRED 4' SIDEWALK
- 8 BUILD 4' SIDEWALK AS PER
STD. DWG. 2430
- 9 BUILD 10' ASPHALT TRAIL
UNLESS OTHERWISE NOTED



SURVEY INFORMATION		BENCH MARKS	AS-BUILT INFORMATION	
NO.	FIELD NOTES BY DATE	CONTRACTOR		
			A/C BRASS TABLE STAMPED "1-B9 1980"	WORKED BY
	GEOGRAPHIC POSITION (NAD 1927)	INSPECTOR'S ACCEPTANCE BY DATE		
	N.M. STATE PLANE COORDINATES	FIELD LOCATION BY DATE		
	(CENTRAL ZONE) X=355,077.00 Y=1,529,056.93	DRAWINGS CORRECTED BY DATE		
	GROUND-TO-GRID FACTOR = .99966334	MICRO-FILM INFORMATION		
	DELTA ALPHA -00°16'47"	RECORDED BY DATE		
	NGVD 1929 ELEVATION = 5450.51	NO.		

[illegible]

Bohannon & 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

TRAVILLA SUBDIVISION AT VENTANA RANCH
PAVING PLAN & PROFILE
TOSCANA STREET

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
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APPROVED
APR 12 2002
DESIGN
REVIEW COMMITTEE

APPROVE
APR 23 2002
CITY ENGINEER

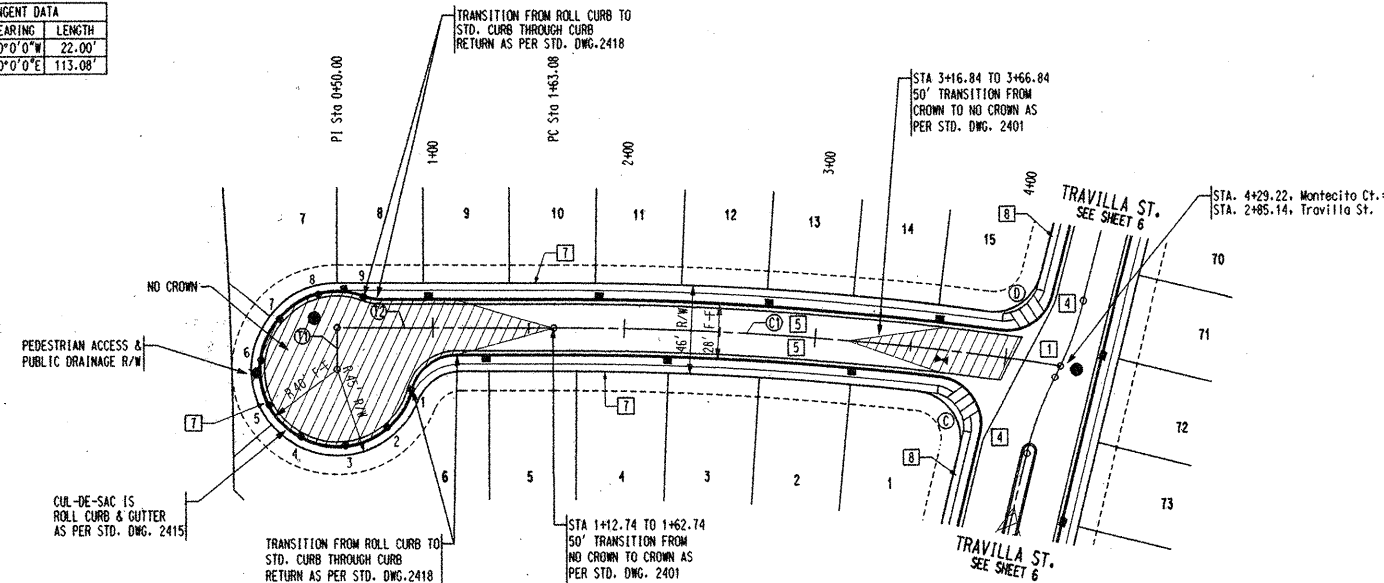
LAST DESIGN
UPDATE

CITY PROJECT NO.	682881	ZONE MAP NO.	B-9	SHEET	6	OF	16
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PT	FL	STATION & OFFSET
1	44.22	STA 0+88.61, 32.45' RT
2	44.41	STA 0+75.96, 52.43' RT
3	44.60	STA 0+54.23, 61.77' RT
4	44.79	STA 0+31.03, 57.22' RT
5	44.97	STA 0+14.46, 40.36' RT
6	45.03	STA 0+10.30, 17.08' RT
7	44.95	STA 0+20.02, 4.48' LT
8	44.74	STA 0+40.20, 16.78' LT
9	44.49	STA 0+63.82, 15.54' LT

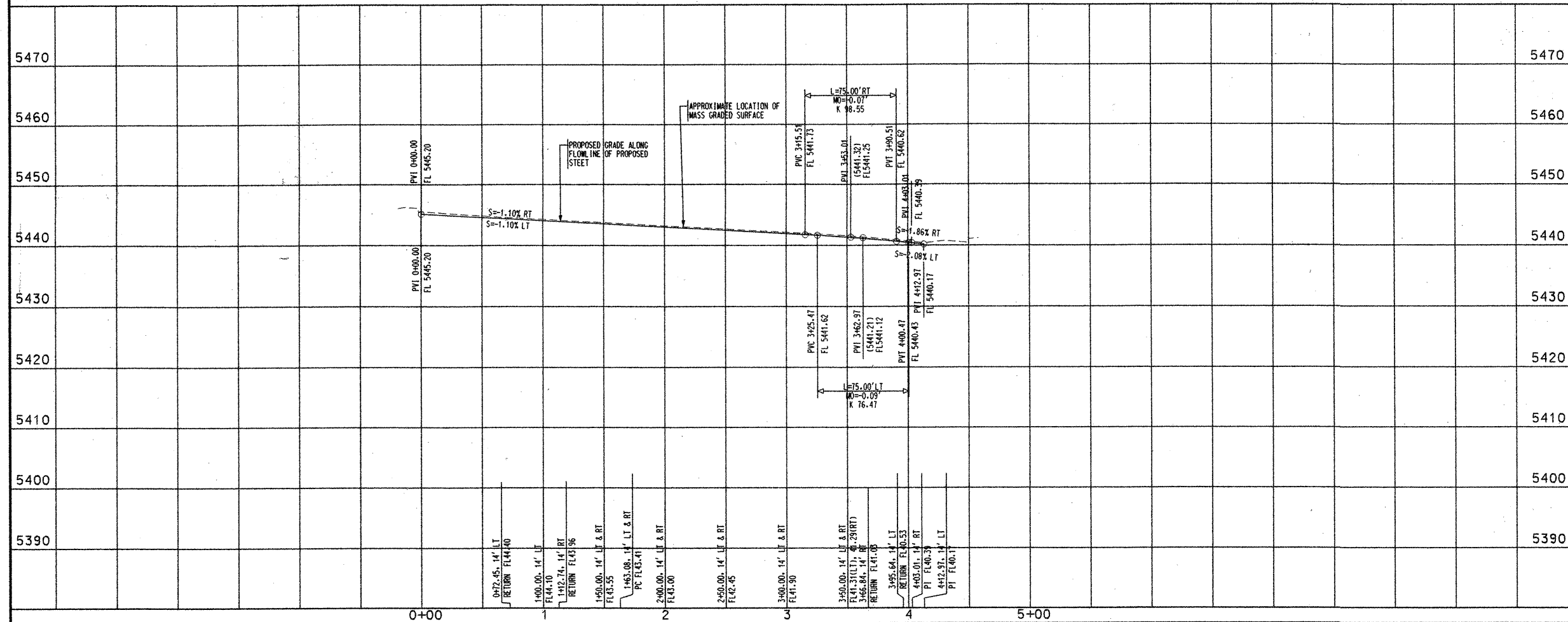
NUMBER	ARC	RADIUS	DELTA	TANGENT
CT	266.14'	1685.00'	09°02'59"	133.35'

NUMBER	BEARING	LENGTH
T1	S20°0'0"W	22.00'
T2	S70°0'0"E	113.08'



NOTE: SEE SHEET 6 FOR QUARTER POINT FLOWLINE ELEVATION TABLES FOR RETURNS C & D

MONTECITO COURT



- NOTES
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. ALL CURB RETURN RADIUS SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
 3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
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 7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 8. CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
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 11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
 12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

KEYED GENERAL NOTES

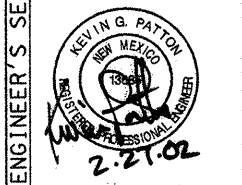
1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421
3. INSTALL WHEELCHAIR RAMP AS PER STD. DWG. 2441, CASE 1
4. INSTALL WHEELCHAIR RAMP AS PER MODIFIED STD. DWG. 2441, CASE 11 WITH ALTERNATE SECTION AA AND AS PER DETAIL SHEET 5
5. STD. CURB & GUTTER AS PER STD. DWG. 2415
6. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
7. DEFERRED 4' SIDEWALK
8. BUILD 4' SIDEWALK AS PER STD. DWG. 2430
9. BUILD 10' ASPHALT TRAIL UNLESS OTHERWISE NOTED

Bohannon & 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
 TRAVILLA SUBDIVISION AT VENTANA RANCH
 PAVING PLAN & PROFILE
 MONTECITO COURT

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APR 12 2002	APR 23 2002		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
682881	B-9	7	16

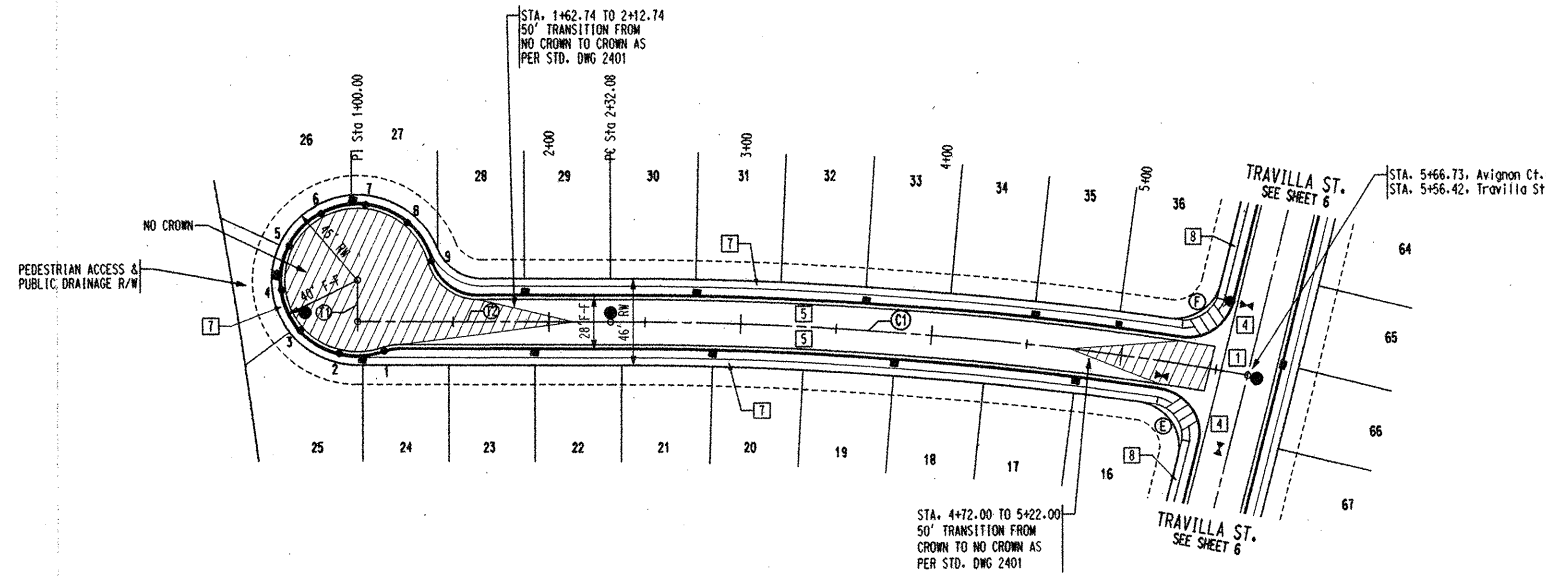
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
CONTRACTOR	DATE	ACCS BRASS TABLET STAMPED "B9 1980"	DATE	BY	NO.
GEODETIC POSITION (NAD 1977)	DATE	GEODETIC POSITION (NAD 1977)	DATE	BY	NO.
N.M. STATE PLANE COORDINATES	DATE	N.M. STATE PLANE COORDINATES	DATE	BY	NO.
(CENTRAL ZONE) X=355,077.00	DATE	(CENTRAL ZONE) X=355,077.00	DATE	BY	NO.
Y=1,529,056.93	DATE	Y=1,529,056.93	DATE	BY	NO.
GROUND-TO-GRID FACTOR = .99966334	DATE	GROUND-TO-GRID FACTOR = .99966334	DATE	BY	NO.
DELTA ALPHA -00°16'47"	DATE	DELTA ALPHA -00°16'47"	DATE	BY	NO.
NGVD 1929 ELEVATION = 5450.51	DATE	NGVD 1929 ELEVATION = 5450.51	DATE	BY	NO.



PT	FL	STATION & OFFSET
1	45.59	1+13.82, 15.54' RT
2	46.02	0+90.20, 16.78' RT
3	46.45	0+70.02, 04.48' RT
4	46.67	0+60.30, 17.08' LT
5	46.59	0+64.46, 40.36' LT
6	46.37	0+81.04, 57.22' LT
7	46.15	1+04.24, 61.77' LT
8	45.94	1+25.96, 52.43' LT
9	45.72	1+38.61, 32.46' LT

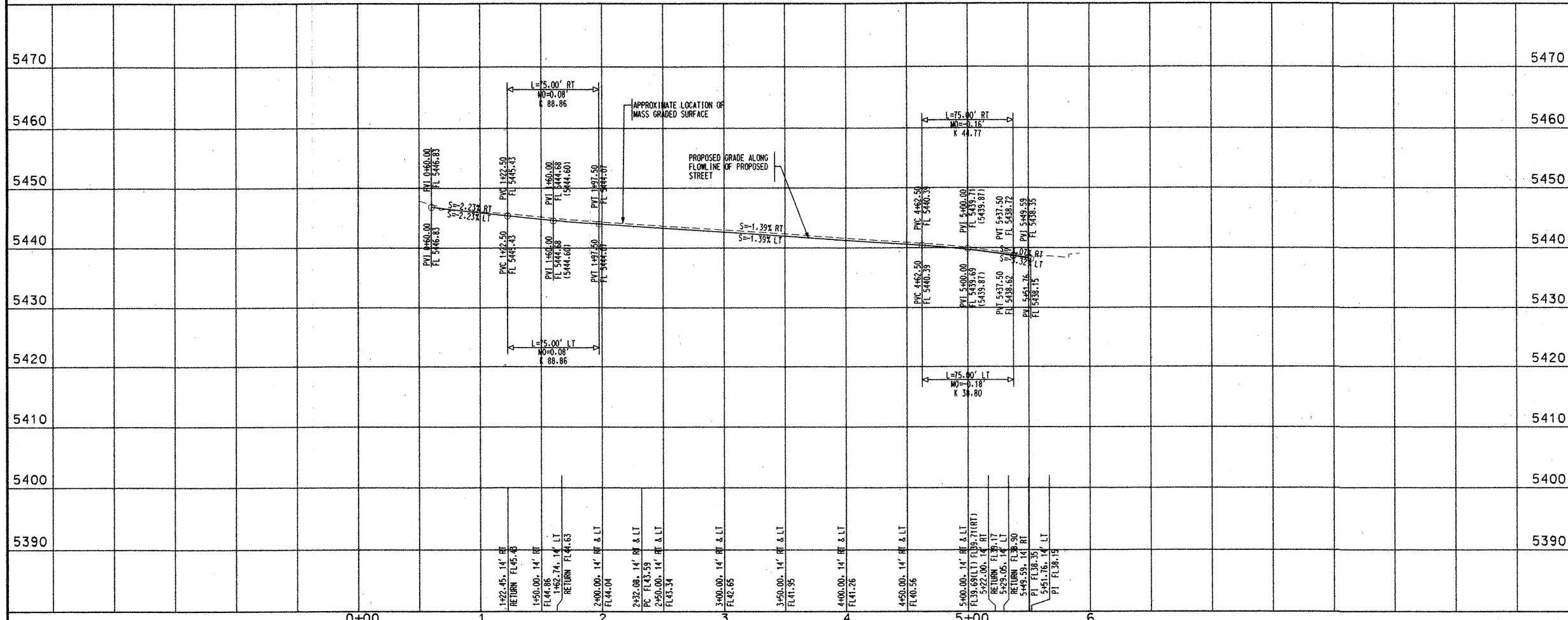
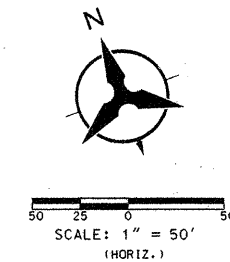
NUMBER	ARC	RADIUS	DELTA	TANGENT
C1	334.64'	1955.00'	9°48'27"	167.73'

NUMBER	BEARING	LENGTH
T1	N20°0'0"E	22.00'
T2	S70°0'0"E	132.08'



NOTE:
SEE SHEET 6 FOR QUARTER POINT FLOWLINE
ELEVATION TABLES FOR RETURNS E & F

AVIGNON COURT



- NOTES
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
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 9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER), PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
 11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
 12. WHEELCHAIR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421
3. INSTALL WHEELCHAIR RAMP AS PER STD. DWG. 2441, CASE 1
4. INSTALL WHEELCHAIR RAMP AS PER MODIFIED STD. DWG. 2441, CASE 11 WITH ALTERNATE SECTION AA AND AS PER DETAIL SHEET 5
5. STD. CURB & GUTTER AS PER STD. DWG. 2415
6. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
7. DEFERRED 4' SIDEWALK
8. BUILD 4' SIDEWALK AS PER STD. DWG. 2430
9. BUILD 10' ASPHALT TRAIL UNLESS OTHERWISE NOTED

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CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP
 TRAVILLA SUBDIVISION AT VENTANA RANCH
 PAVING PLAN & PROFILE
 AVIGNON COURT

APPROVED APR 1 2 2002 DESIGN REVIEW COMMITTEE	APPROVED APR 23 2002 CITY ENGINEER	MO./DAY/YR. MO./DAY/YR.
CITY PROJECT NO. 682881		SHEET 8 OF 16

ENGINEER'S SEAL SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE
BY		BY		BY	
REMARKS		REMARKS		REMARKS	
DESIGNED BY		DESIGNED BY		DESIGNED BY	
DRAWN BY		DRAWN BY		DRAWN BY	
CHECKED BY		CHECKED BY		CHECKED BY	



PT	FL	STATION & OFFSET
1	45.48	1+38.61, 32.46' RT
2	46.28	1+25.96, 52.44' RT
3	47.09	1+04.24, 61.78' RT
4	47.89	0+81.03, 57.22' RT
5	48.70	0+64.46, 40.36' RT
6	49.55	0+60.30, 17.08' RT
7	48.77	0+40.20, 16.78' LT
8	47.81	0+70.02, 04.48' LT
9	46.84	1+13.82, 15.54' LT

NUMBER	ARC	RADIUS	DELTA	TANGENT
C1	136.05'	120.00'	64°57'27"	76.39'
C2	85.63'	120.00'	40°53'15"	44.73'
C3	96.26'	180.00'	30°38'27"	49.31'

NUMBER	BEARING	LENGTH
T1	S00°13'00"W	22.00'
T2	S89°47'00"E	65.21'
T3	S65°42'47"E	150.98'
T4	S65°42'47"E	135.00'
T5	S24°17'13"W	2.00'

NUMBER	ARC	RADIUS	DELTA	TANGENT
C4	34.39'	180.00'	10°56'43"	17.25'

NUMBER	BEARING	LENGTH
T5	S24°17'13"W	2.00'
T6	S24°17'13"W	100.82'

NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
- ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
- ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER), PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
- REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
- WHEELCHAIR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

KEYED GENERAL NOTES

- INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
- INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421
- INSTALL WHEELCHAIR RAMP AS PER STD. DWG. 2441, CASE 1
- INSTALL WHEELCHAIR RAMP AS PER MODIFIED STD. DWG. 2441, CASE II WITH ALTERNATE SECTION AA AND AS PER DETAIL SHEET 5
- STD. CURB & GUTTER AS PER STD. DWG. 2415
- MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
- DEFERRED 4' SIDEWALK
- BUILD 4' SIDEWALK AS PER STD. DWG. 2430
- BUILD 10' ASPHALT TRAIL UNLESS OTHERWISE NOTED

Bohannon & Huston

Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

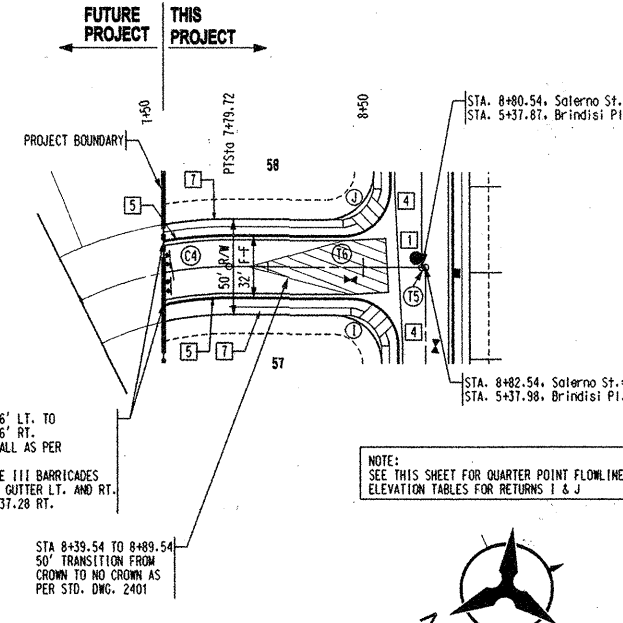
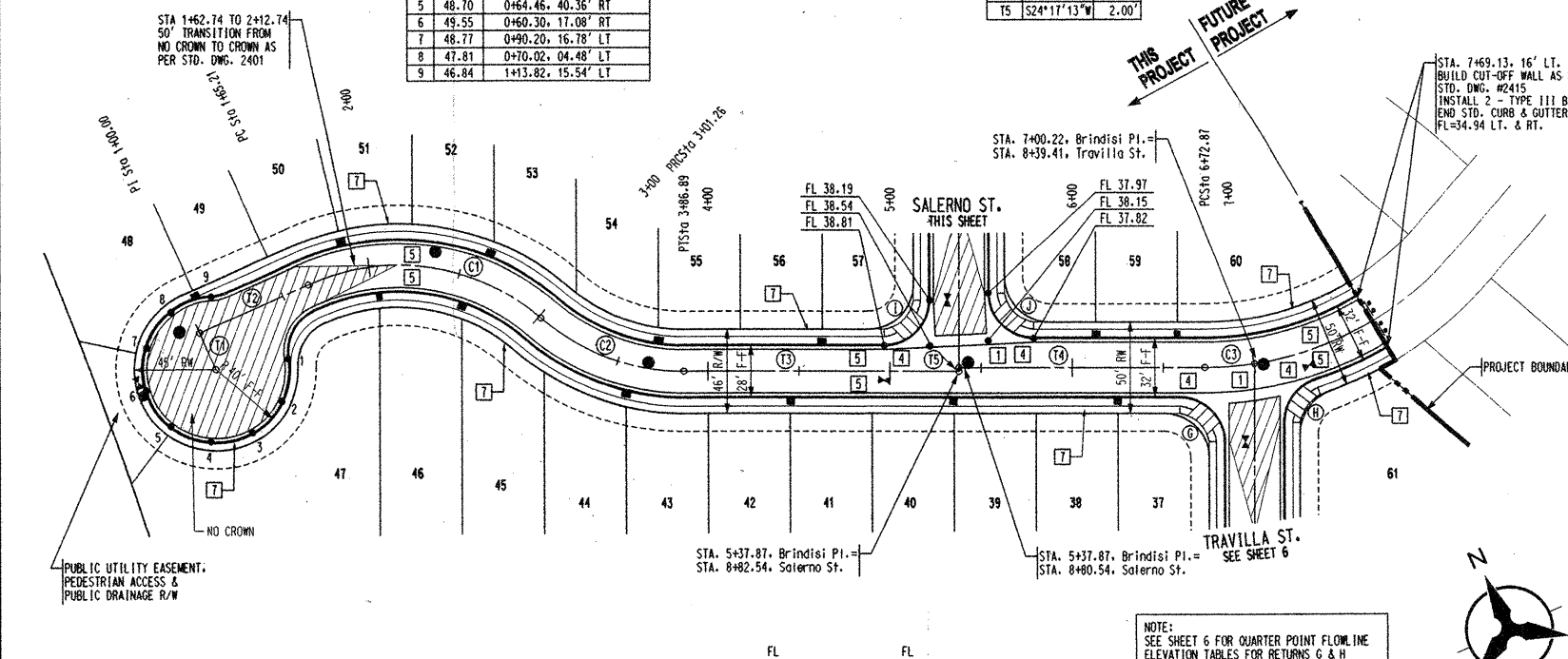
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TRAVILLA SUBDIVISION AT VENTANA RANCH
PAVING PLAN & PROFILE
BRINDISI PLACE / SALERNO STREET

APPROVED APR 12 2002 DESIGN REVIEW COMMITTEE	APPROVED APR 23 2002 CITY ENGINEER	MO./DAY/YR. LAST DESIGN UPDATE
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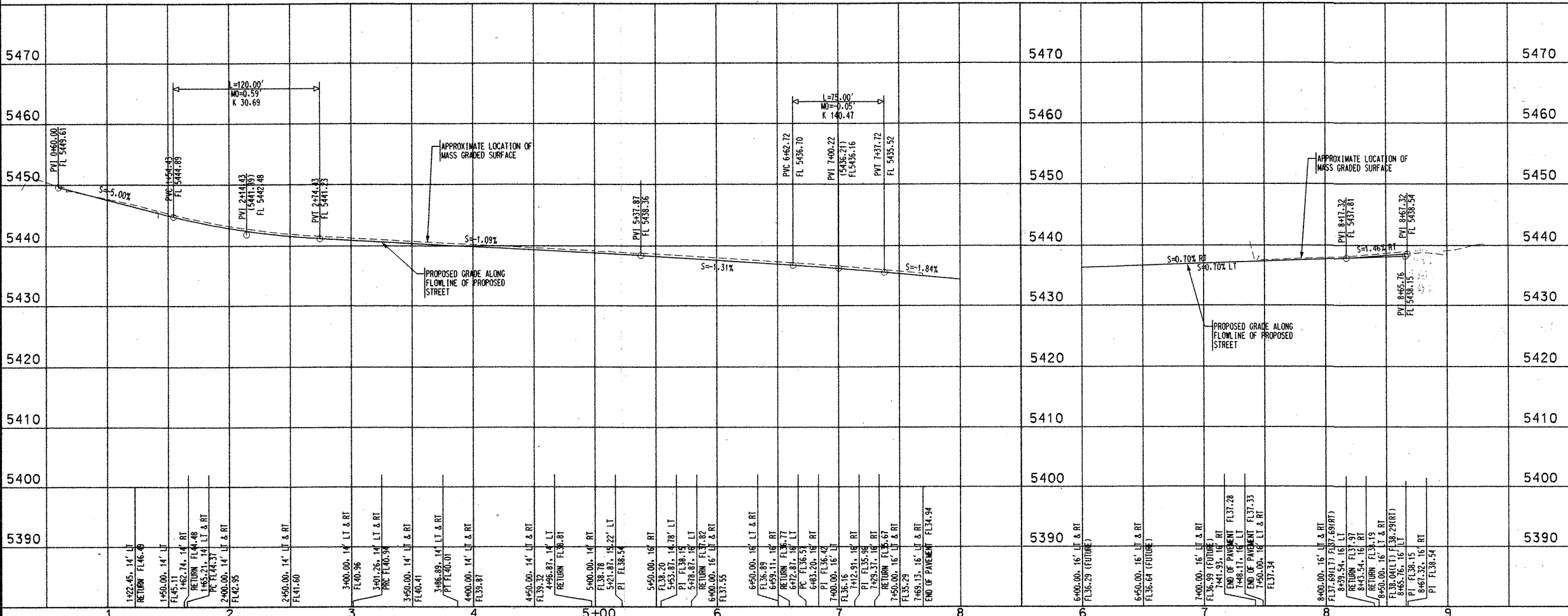
CITY PROJECT NO. 682881	ZONE MAP NO. B-9	SHEET 9	OF 16
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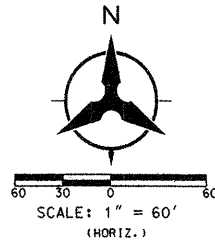
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BY		BY		BY		BY	
REMARKS		REMARKS		REMARKS		REMARKS	
REVISIONS		REVISIONS		REVISIONS		REVISIONS	
DESIGN		DESIGN		DESIGN		DESIGN	
NO. DATE		NO. DATE		NO. DATE		NO. DATE	
DESIGNED BY		DESIGNED BY		DESIGNED BY		DESIGNED BY	
DRAWN BY		DRAWN BY		DRAWN BY		DRAWN BY	
CHECKED BY		CHECKED BY		CHECKED BY		CHECKED BY	



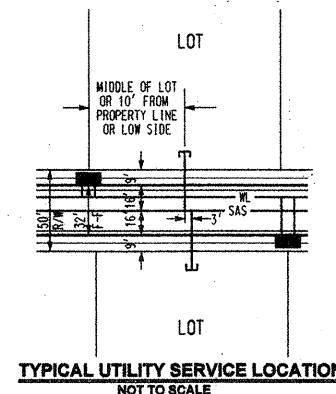
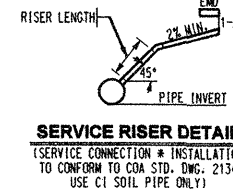
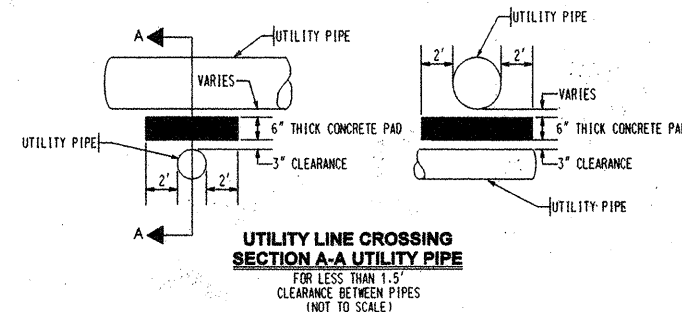
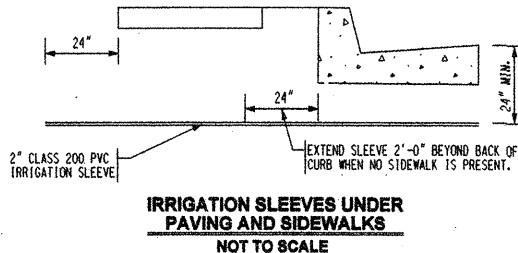
BRINDISI PLACE

SALERNO STREET





TRACT X-1-A-1-A-1



Crossings					
DES	SAS	SD	ML	EX. 20" ML	Clearance
1	8" TP 37.30	---	6" TP 40.39	---	2.54
2	8" INV 36.59	---	6" INV 39.84	---	---
3	8" TP 27.89	---	8" TP 36.71	---	8.10
4	8" INV 27.17	---	8" INV 35.99	---	---
5	8" TP 32.40	---	8" TP 34.52	---	1.40
6	8" INV 31.70	---	8" INV 33.80	---	---
7	8" TP 29.55	---	8" TP 34.54	---	4.26
8	8" INV 28.85	---	8" INV 33.82	---	---
9	8" TP 31.11	---	8" TP 32.29	---	0.47
10	8" INV 30.40	---	8" INV 31.57	---	---
11	---	8" TP 42.63	20" TP 45.80	---	1.50
12	---	8" INV 41.93	20" INV 44.13	---	---

APD PLANS CHECKED BY
824-3611
APPROVED
Lt. Andrew Z. Chavez
3/8/02

- LEGEND**
- PROPOSED SANITARY SEWER MANHOLE
 - EXISTING SANITARY SEWER MANHOLE
 - PROPOSED FIRE HYDRANT
 - EXISTING FIRE HYDRANT
 - PROPOSED GATE VALVE
 - EXISTING GATE VALVE
 - PROPOSED SANITARY SEWER LINE
 - EXISTING SANITARY SEWER LINE
 - PROPOSED WATER LINE
 - EXISTING WATER LINE
 - PROPOSED SANITARY SEWER SERVICE
 - PROPOSED WATER METER SERVICE
 - PROPOSED STREET LIGHT

APPROVED BY 3-7-02 DATE

Bohannon + 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

TRAVILLA SUBDIVISION AT VENTANA RANCH
OVERALL UTILITY PLAN

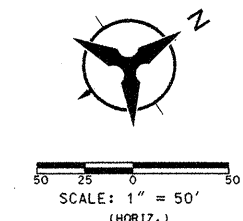
DESIGN REVIEW COMMITTEE APPROVED APR 12 2002
CITY ENGINEER APPROVED APR 23 2002

CITY PROJECT NO. 682881 ZONE MAP NO. B-9 SHEET 10 OF 16

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	DATE	CONTRACTOR	CONTRACTOR	CONTRACTOR	CONTRACTOR
				ACS BRASS TABLET STAMPED 1-B9 1980	CONTRACTOR	CONTRACTOR	CONTRACTOR
				GEOGRAPHIC POSITION (NAD 1927)	CONTRACTOR	CONTRACTOR	CONTRACTOR
				N.M. STATE PLANE COORDINATES	CONTRACTOR	CONTRACTOR	CONTRACTOR
				(CENTRAL ZONE) X=555,077.00	CONTRACTOR	CONTRACTOR	CONTRACTOR
				Y=1,529,056.93	CONTRACTOR	CONTRACTOR	CONTRACTOR
				GROUND-TO-GRID FACTOR = .99966334	CONTRACTOR	CONTRACTOR	CONTRACTOR
				DELTA ALPHA = -00° 16' 47"	CONTRACTOR	CONTRACTOR	CONTRACTOR
				NCVD 1929 ELEVATION = 5450.51	CONTRACTOR	CONTRACTOR	CONTRACTOR
					CONTRACTOR	CONTRACTOR	CONTRACTOR

REMARKS
REVISIONS
DESIGN

DESIGNED BY YOP DATE 07/2001
DRAWN BY BJG DATE 07/2001
CHECKED BY KGP DATE 07/2001



SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISE)
61	7465.24, 5.00 RT.	20.00'	5431.60 1'
62	7419.71, 5.05 RT.	20.00'	5431.33 (-)
63	6478.53, 5.02 RT.	20.00'	5431.46 1'
64	6433.58, 5.00 RT.	20.00'	5431.88 12'
65	5488.58, 5.00 RT.	20.00'	5432.31 13'
66	5443.58, 5.00 RT.	20.00'	5433.34 15'
67	4498.58, 5.00 RT.	20.00'	5433.76 16'
68	4453.58, 5.00 RT.	20.00'	5433.16 16'
69	4408.58, 5.00 RT.	20.00'	5433.91 17'
70	3463.58, 5.00 RT.	20.00'	5434.34 18'
71	3418.65, 5.02 RT.	20.00'	5434.07 18'
72	2474.77, 11.65 RT.	19.43'	5433.74 18'
73	2427.06, 17.41 RT.	17.41'	5433.41 18'
74	1482.14, 19.29 RT.	15.73'	5433.10 18'

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

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

DESIGN REVIEW COMMITTEE		CITY ENGINEER & PERMITS	MO./DAY/YR.	MO./DAY/YR.
APPROVED APR 12 2002 DESIGN REVIEW COMMITTEE	APPROVED APR 23 2002 CITY ENGINEER	LAST DESIGN UPDATE		

CITY PROJECT NO.	682881	ZONE MAP NO.	B-9	SHEET	11	OF	16
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ENGINEER'S SEAL

KEVIN G. PATTON
NEW MEXICO
1988
PROFESSIONAL ENGINEER
2.27.02

QUERQUE
ARTMENT
OPMENT GROUP
ENTANA RANCH
FILE
ET

9 SHEET 11 OF 16

100

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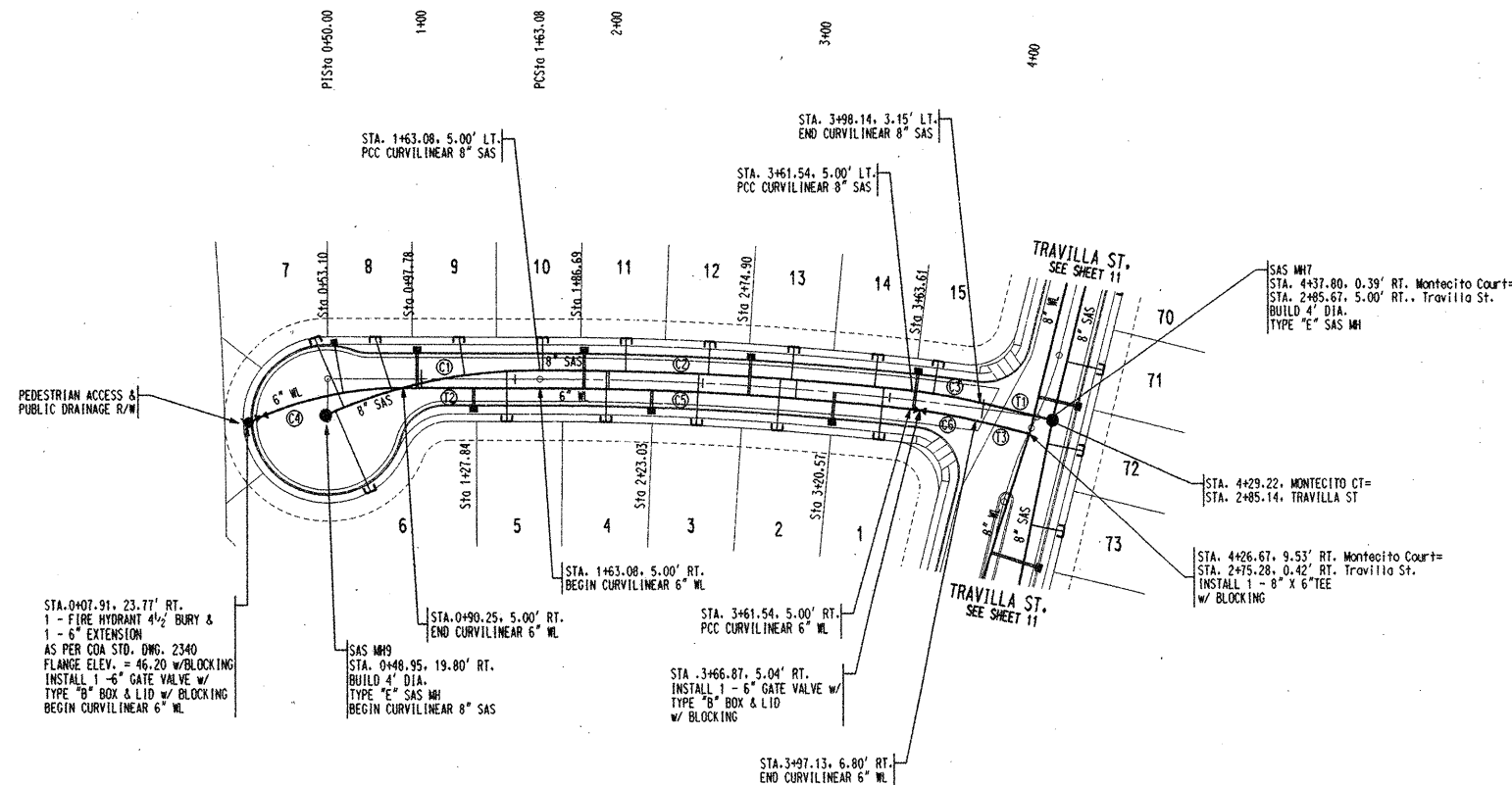
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[illegible]

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

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	SHEET NO.	DATE	BY	CHKD	APPD
	BH1-008 NO. 020067				

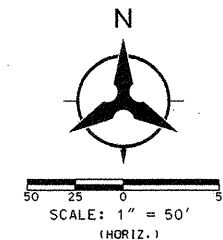


SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	117.69'	275.00'	24°31'15"	59.76'
C2	199.05'	1690.00'	06°44'54"	99.64'
C3	36.75'	300.00'	07°01'08"	18.40'

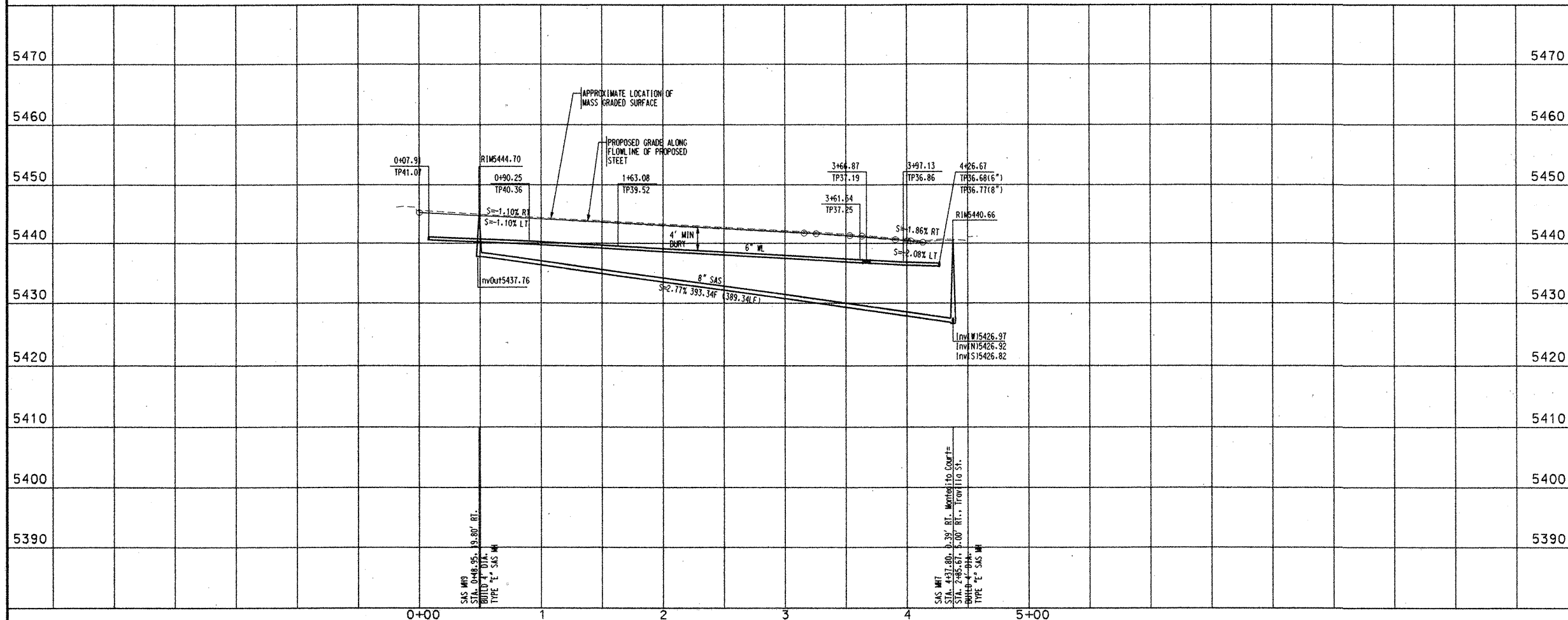
SAS Tangent Table		
ID	BEARING	LENGTH
T1	S56°13'58"E	39.85'

W Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C4	85.16'	190.00'	25°40'53"	43.31'
C5	197.87'	1690.00'	06°42'30"	99.05'
C6	35.53'	290.00'	07°01'08"	17.79'

W Tangent Table		
ID	BEARING	LENGTH
T2	S70°00'00"E	72.83'
T3	S56°13'58"E	29.53'



MONTECITO COURT



NOTES

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- WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

SANITARY SEWER SERVICES				
LOT	SAS	SAS	TOP OF PIPE AT	
ID	STATION & OFFSET	LENGTH PLUG (W/RISER)		
1	3446.49, 5.00' LT.	28.00'	5434.37 (5')	
2	2491.26, 5.00' LT.	28.00'	5434.51 (3')	
3	2471.75, 5.00' LT.	28.00'	5435.02 (2')	
4	1498.70, 5.00' LT.	28.00'	5435.32 (-)	
5	1445.46, 4.43' LT.	27.43'	5436.80 (-)	
6	0454.16, 17.49' RT.	47.43'	5439.67 (-)	
7	0458.70, 15.58' RT.	41.12'	5439.68 (-)	
8	0484.27, 6.54' RT.	30.83'	5438.58 (-)	
9	1423.18, 2.09' LT.	21.13'	5437.28 (-)	
10	1464.71, 5.00' LT.	18.00'	5436.06 (-)	
11	2408.70, 5.00' LT.	18.00'	5435.22 (1')	
12	2452.80, 5.00' LT.	18.00'	5435.38 (2')	
13	2497.06, 5.00' LT.	18.00'	5434.85 (4')	
14	3441.42, 5.00' LT.	18.00'	5434.31 (5')	
15	3472.91, 4.82' LT.	19.19'	5433.46 (5')	

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

APPROVED BY DATE 3-7-02

Bohannon & 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

TRAVILLA SUBDIVISION AT VENTANA RANCH
 UTILITY PLAN & PROFILE
 MONTECITO COURT

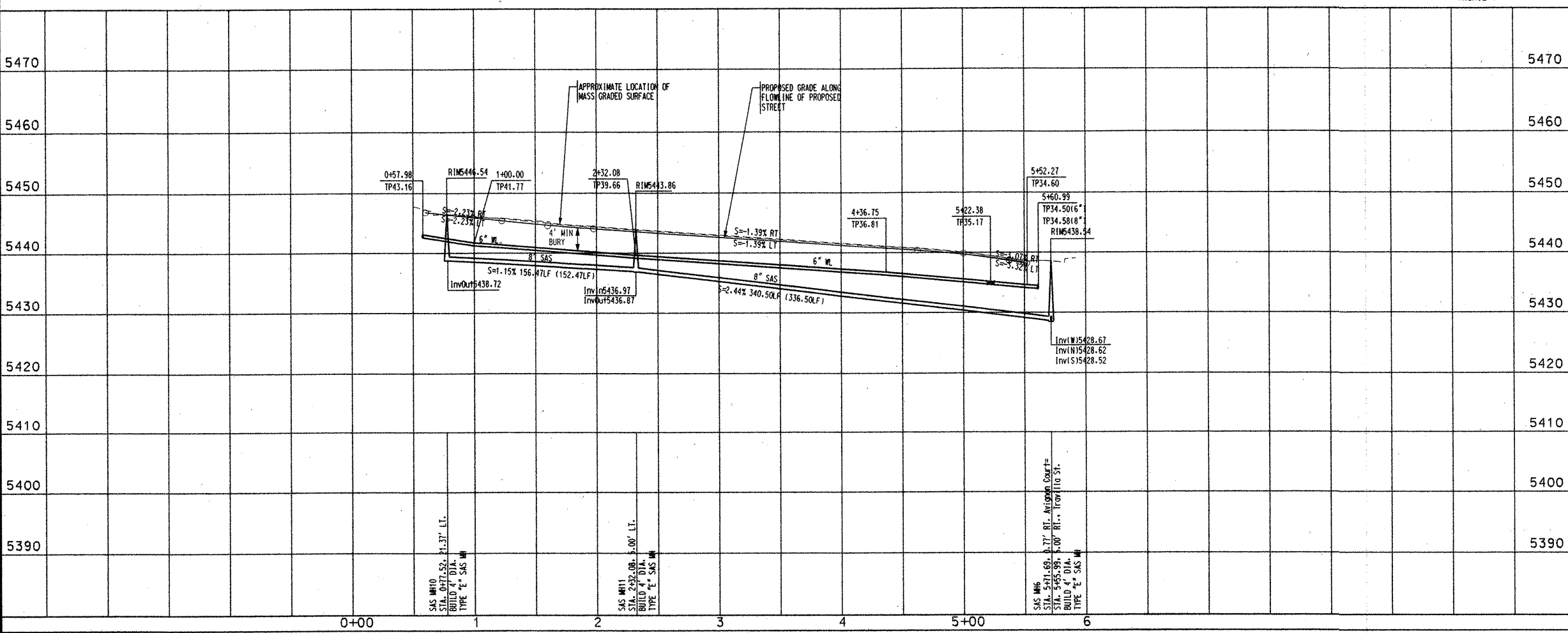
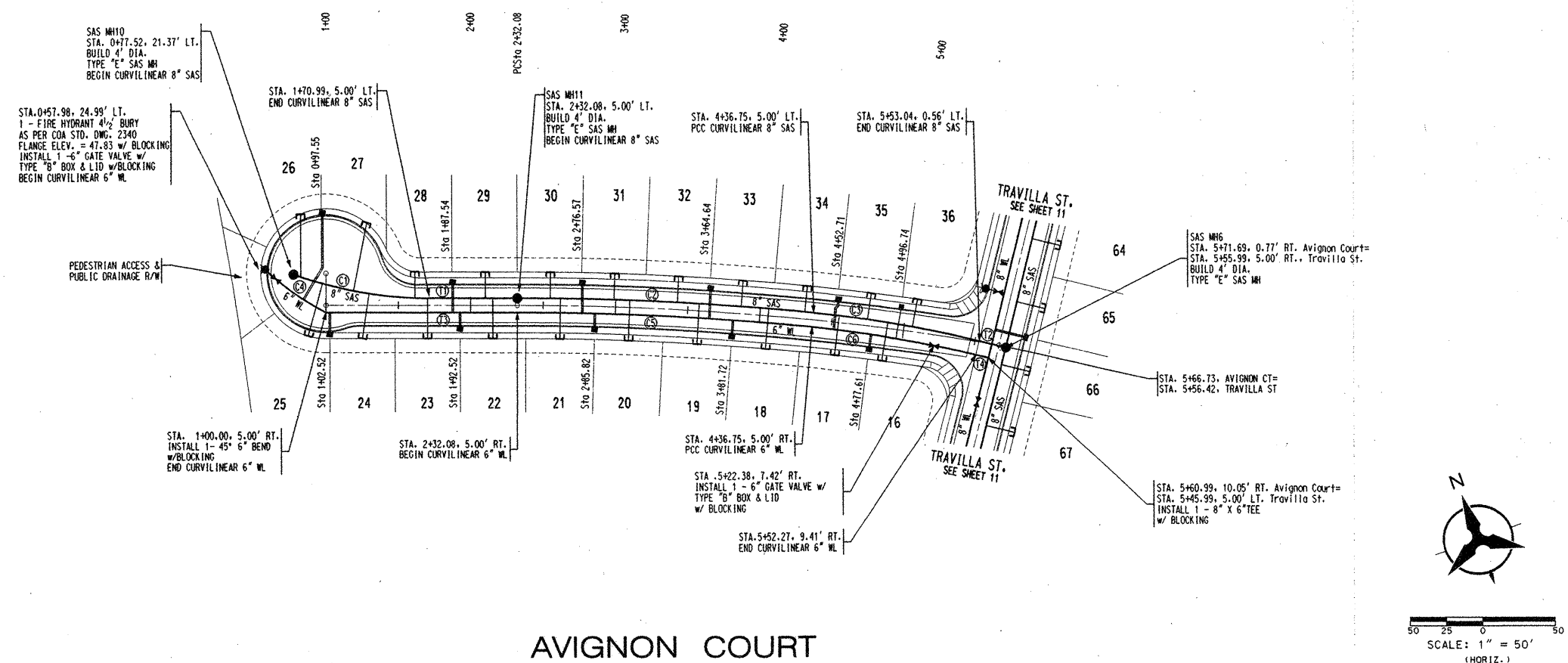
DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL
 APPROVED APR 12 2002
 CITY PROJECT NO. 682881 ZONE MAP NO. B-9 SHEET 12 OF 16

ID	BEARING	LENGTH
T1	S70°00'00"E	61.09'
T2	S66°13'58"E	18.70'

WL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C4	51.78'	190.00'	15°36'54"	26.05'

C5	204.14'	1950.00'	05°59'53"	102.16'
C6	115.25'	850.00'	07°46'08"	57.72'

WL Tangent Table		
ID	BEARING	LENGTH



P:\020067\CDP\PNP\ 020067UPNP03.DGN

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADIUS SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
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12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

SANITARY SEWER SERVICES				
LOT ID	SAS		SAS	PLUG (W/R/SER)
	STATION & OFFSET	LENGTH	LENGTH	
16	4488.66, 4.12'L.T.	27.13'	5433.48 (2')	
17	4454.67, 4.89'L.T.	27.90'	5433.64 (1')	
18	4405.69, 5.00'L.T.	28.00'	5434.46 (-)	
19	3457.74, 5.00'L.T.	28.00'	5435.63 (-)	
20	3409.79, 5.00'L.T.	28.00'	5436.80 (-)	
21	2461.85, 5.00'L.T.	28.00'	5437.97 (-)	
22	2415.16, 5.00'L.T.	28.00'	5438.97 (-)	
23	1710.02, 5.00'L.T.	28.00'	5439.49 (-)	
24	1429.74, 8.11'L.T.	31.47'	5440.02 (-)	
25	097.55, 14.99'L.T.	37.59'	5440.51 (-)	
26	082.02, 59.12'L.T.	43.84'	5440.83 (-)	
27	1419.13, 9.93'L.T.	48.48'	5440.47 (-)	
28	1461.40, 5.11'L.T.	18.09'	5439.40 (-)	
29	210.04, 5.00'L.T.	18.00'	5438.83 (-)	
30	254.77, 5.00'L.T.	18.00'	5437.94 (-)	
31	2498.81, 5.00'L.T.	18.00'	5436.87 (-)	
32	3442.62, 5.00'L.T.	18.00'	5435.80 (-)	
33	3486.66, 5.00'L.T.	18.00'	5434.72 (-)	
34	4430.69, 5.00'L.T.	18.00'	5434.02 (1')	
35	4474.28, 4.54'L.T.	18.63'	5433.66 (-)	
36	5405.75, 3.34'L.T.	19.58'	5432.91 (2')	

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

APPROVED BY:  3-Y-02
DATE

Bohannon & 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
TRAVILLA SUBDIVISION AT VENTANA RANCH
UTILITY PLAN & PROFILE
AVIGNON COURT

DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.
APPROVED APR 1 2 2002 DESIGN REVIEW COMMITTEE		APPROVED APR 2 4 2002 CITY ENGINEER			

CITY-PROJECT NO:	682881	ZONE MAP NO.	B-9	SHEET	13	OF	16
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SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
FIELD NOTES					
NO.	BY	DATE			
			ACS BRASS TABLET STAMPED "B9 1980"	CONTRACTOR	
			GEOGRAPHIC POSITION (NAD 1921)	WORK STARTED BY	
			N.M. STATE PLANE COORDINATES	INSPECTOR'S	
			(CENTRAL ZONE) X=355+077.00	FIELD FORCE BY	DATE
			Y=1,529,056.93	FIELD VERIFICATION BY	DATE
				REVISIONS CORRECTED BY	DATE
			GROUND-TO-GRID FACTOR = .99966334	MICRO-FILM INFORMATION	
			DELTA ALPHA -00°16' 47"	RECORDED BY	DATE
			NGVD 1929 ELEVATION = 5450.51	NO.	

					E
O.	DATE	REMARKS REVISED BY	BY		
DESIGN					
DESIGNED BY	RKL	DATE	09/2001		
DRAWN BY	RKL . DM	DATE	09/2001		
CHECKED BY		DATE	08/2001		

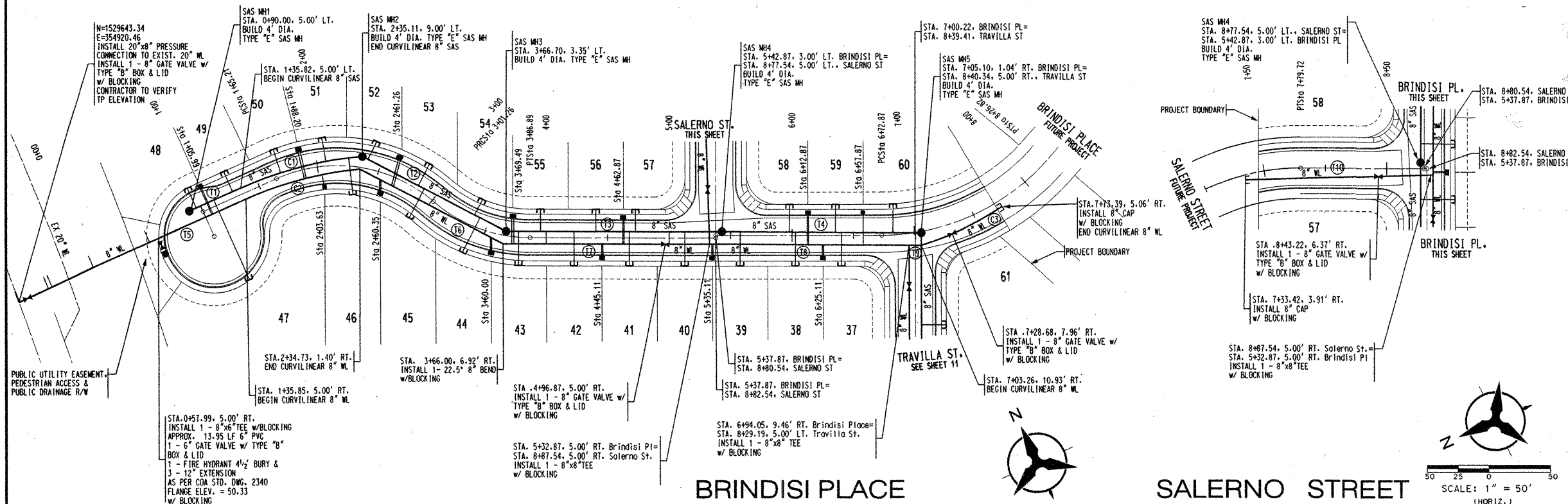
ID	ARC	RADIUS	DELTA	TANGENT
C2	96.04'	290.00'	18°58'28"	48.46
C3	73.27'	250.00'	16°47'30"	36.90

ID	BEARING	LENGTH
T5	S89°47'00"E	157.92
T6	N38°10'13"W	202.06
T7	S65°42'47"E	167.97
T8	S65°18'28"E	162.25
T9	S65°18'28"E	9.85'

SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	102.30'	300.00'	19°32'17"	51.65

ID	BEARING	LENGTH
T1	S89°47'00"E	45.82
T2	S38°10'13"E	131.62
T3	S65°42'47"E	175.52
T4	S65°18'28"E	162.25

WL Tangent Table		
ID	BEARING	LENGTH
T10	S22°31'15"W	152.68



NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY 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 ALSO FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER), PAVEMENT, CONDUITS, (LANDSCAPING), UTILITY LINES, ETC., DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.

SANITARY SEWER SERVICES				
LOT ID	SAS		SAS TOP OF PIPE	
	STATION & OFFSET	LENGTH	PLUG 1/R1/S1	
3	6402.21, 2.31' LT	27.31'	9432.46	
3	8402.81, 2.58' LT	27.58'	9433.07	
3	5957.81, 2.89' LT	27.90'	9432.96	
4	5412.61, 5.00' LT	28.00'	9433.44	
4	4467.61, 5.00' LT	28.00'	9433.93	
4	4422.61, 5.00' LT	28.00'	9434.43	
4	3477.10, 4.62' LT	27.68'	9434.93	
4	3442.32, 4.33' LT	31.49'	9435.43	
4	2489.35, 3.62' LT	30.33'	9435.90	
4	2424.79, 6.65' LT	26.31'	9437.27	
4	1411.81, 5.00' LT	70.42'	9442.85	
4	0955.99, 5.00' LT	70.82'	9442.45	
4	1428.49, 5.00' LT	70.82'	9441.11	
5	1470.13, 3.12' LT	19.92'	9439.41	
5	2407.13, 3.78' LT	19.32'	9437.82	
5	2439.58, 1.52' LT	16.04'	9436.26	
5	2483.94, 3.00' LT	20.07'	9435.83	
5	3436.95, 8.77' LT	14.27'	9435.14	
5	3495.31, 5.00' LT	18.00'	9434.53	
6	4440.37, 5.00' LT	18.00'	9434.04	
6	4742.61, 5.00' LT	18.00'	9433.68	
6	5497.81, 2.61' LT	22.39'	9432.61	
6	6435.21, 2.35' LT	22.65'	9432.39	
6	6462.14, 1.78' LT	23.25'	9432.12	

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

APPROVED BY  3-7-02 DATE

Robbannan & Huston

 Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 8710

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TRAVILLA* SUBDIVISION AT VENTANA RANCH
UTILITY PLAN & PROFILE
BRINDISI PLACE /SALERNO STREET

DESIGN REVIEW COMMITTEE		APPROVED		MO./DAY/YR.		MO./DAY/YR.	
APR 12 2002		APR 24 2002					
DESIGN REVIEW COMMITTEE		CITY ENGINEER		LAST DESIGN UPDATE			

CITY PROJECT NO.	682881	ZONE MAP NO.	B-9	SHEET	14	OF	16
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BHJ MOR NO 02006

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

CITY PROJECT NO.	682881	ZONE MAP NO.	B-9	SHEET	14	OF	16
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682881

B-9

SHEET 14 OF 16

TRAVILLA

BRIND

43

2

8

SUBD

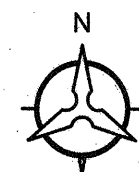
1. ALL LANDSCAPE TO BE MAINTAINED BY THE VENTANA RANCH COMMUNITY ASSOCIATION.
2. NO TREES SHALL BE PLANTED WITHIN 8' OF CURBS OR SIDEWALKS.

SYMBOL	SIZE	NAME	HEIGHT
	2' Cal.	SHADE TREE	TO 35'
	2' Cal.	ORNAMENTAL TREE	TO 35'
	6' - 8'	AUSTRIAN PINE	TO 35'
	15 Gal.	WASHINGTON HAWTHORN	16' TO 18'
	15 Gal.	DESERT WILLOW	16' TO 18'
		PALM YUCCA	TO 13'
	5 Gal.	SHRUB/MAIDEN GRASS	TO 2'
	1 Gal.	VINE	TO 1'
	1 Gal.	GROUND COVER	TO 24"
	1 Gal.	WILDFLOWERS	12' TO 18'
		OVERSIZED GRAVEL AND BASALT BOULDERS	
		SANTA ANA TAN GRAVEL WITH FF, SIDEWALK TO PROPERTY LINE	
		BROWN GRAVEL WITH FF, SIDEWALK TO CURB AND MEDIANS	

CLEAR SITE TRIANGLE
NO PLANT MATERIAL OVER
2' IN THIS AREA



11-5-01
The Hilltop
LANDSCAPE ARCHITECTS & CONTRACTORS
Cont. Lic. #26458
7909 Edith N.E.
Albuquerque, NM 87184
Ph. (505) 898-9690
Fax (505) 898-7737
it@hilltoplandscaping.com

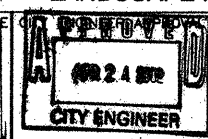


50 25 0
SCALE: 1"=50'
(HORIZ.)

Bokhman ▲ Huston
 Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
 DWGERS PLANNERS PHOTOGRAPHISTS SURVEYORS SOFTWARE DEVELOPERS

 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TRAVILLA SUBDIVISION AT VENTANA RANCH
LANDSCAPE PLAN



CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
682881	B-9	14A	16

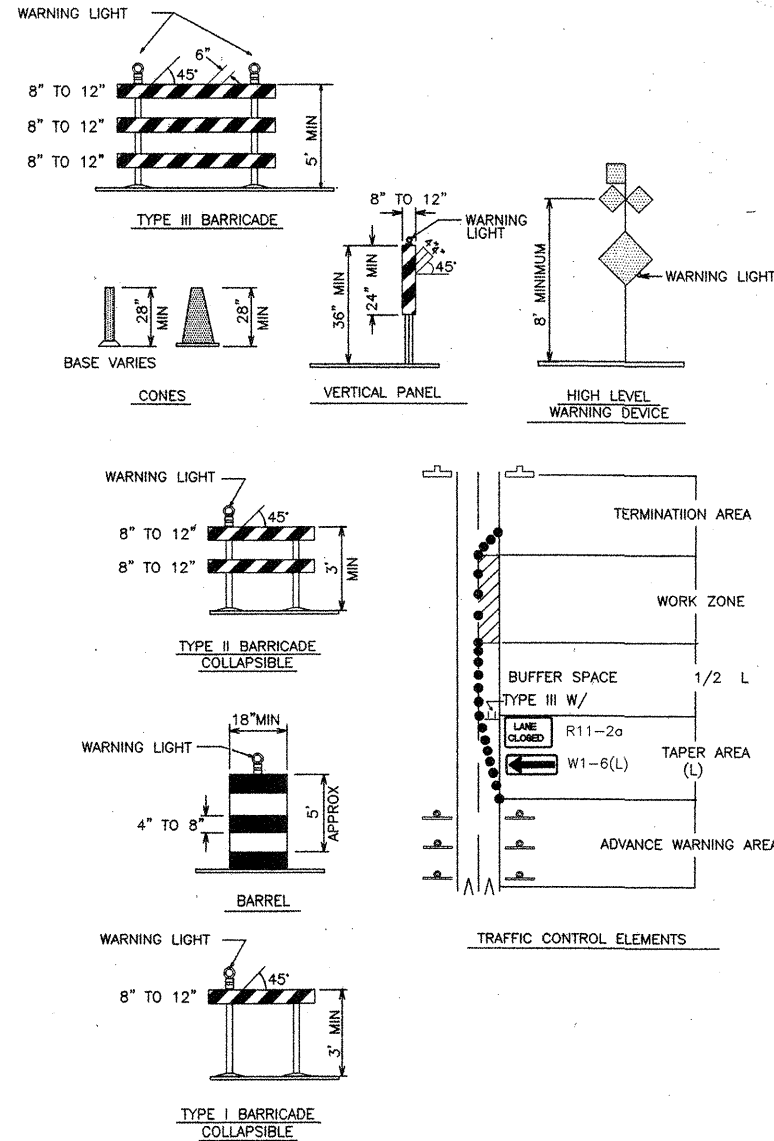
RHI JOB NO 01251A06

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CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
- CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
- THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
- ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
- ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
- ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
- EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
- ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
- ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

- EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
- CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
 - STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
- FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
- ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.
- TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
- ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



LEGEND

WORK AREA
BARRICADE - TYPE I, TYPE II, OR BARREL
BARRICADE - TYPE III
VERTICAL PANEL
WARNING SIGN
DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
FLAGMAN POSITION
SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE STREET LIMIT OF THE STREET
TAPER LENGTH - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENT

SPEED LIMIT (MPH)	TAPER LENGTH(L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED LIMIT (MPH)	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

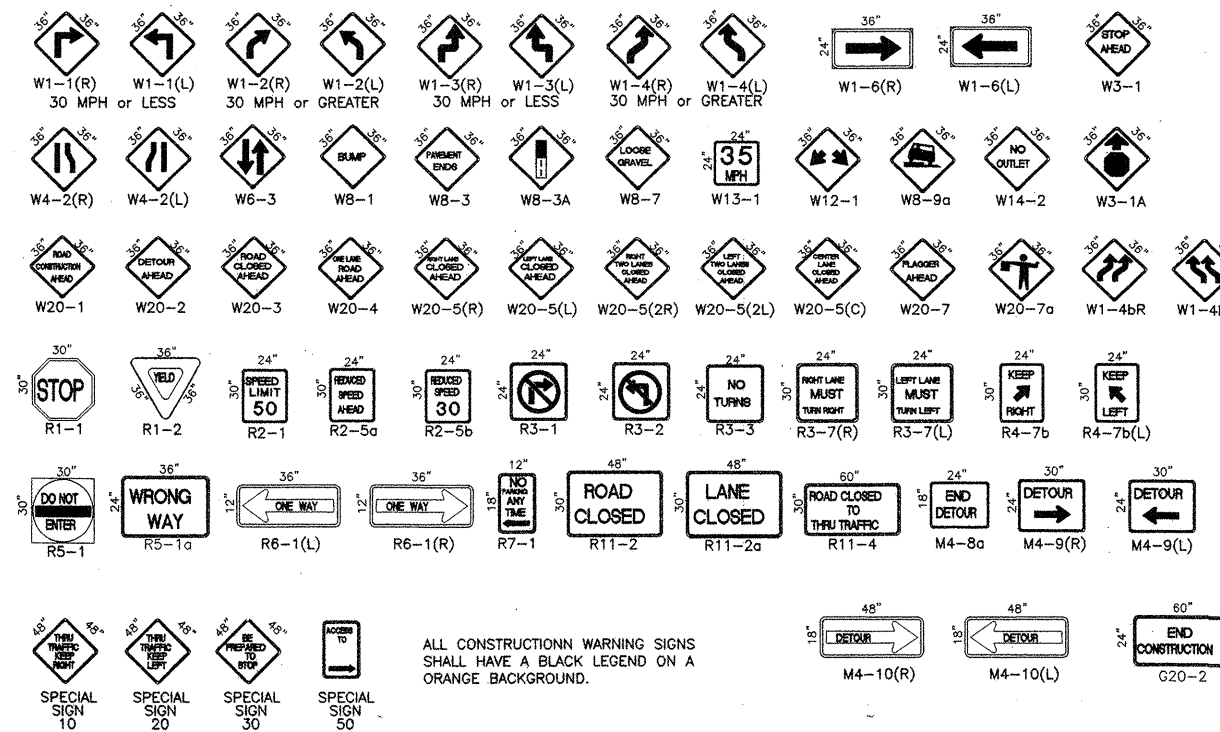
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	L = WS ² / 60
40 MPH OR LESS	
40 MPH OR GREATER	L = W x S

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	DATE	DATE	NO.	DATE	NO.	DATE
INSPECTOR	DATE	DATE	DATE	NO.	DATE	NO.	DATE
FIELD	DATE	DATE	DATE	NO.	DATE	NO.	DATE
REVISIONS	DATE	DATE	DATE	NO.	DATE	NO.	DATE
MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION	
RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE
NO.		NO.		NO.		NO.	

COA STD

By	REMARKS	By	REMARKS
No.	REVISIONS	No.	REVISIONS
Date	DESIGN	Date	DESIGN
DESIGNED BY: COA	DATE: 09/01	DESIGNED BY: COA	DATE: 09/01
DRAWN BY: COA	DATE: 09/01	DRAWN BY: COA	DATE: 09/01
CHECKED BY: COA	DATE: 09/01	CHECKED BY: COA	DATE: 09/01

Bohannon - Houston

County One 7500 JEFFERSON NE ALBUQUERQUE NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAPHERS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

TRAVILLA SUBDIVISION AT VENTANA RANCH

SIGNING & CONSTRUCTION

TRAFFIC CONTROL STANDARDS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
COA	STANDARD		
City Project No.	Zone Map No.	Sheet	Of
682881	B-9	15	16

