REGISTRO DRAWING 3

SCANNED BY PLANNING

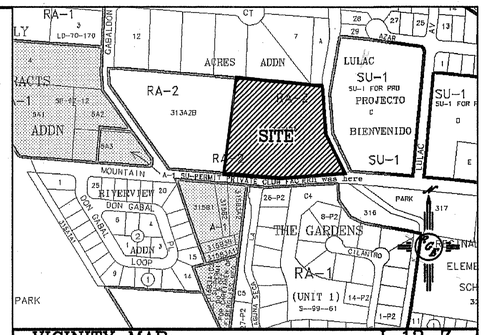
26-77752.811-07 1

CONSTRUCTION PLANS
FOR
ENTRADA DEL BOSQUE SUBDIVISION

UTILITY & PAVING IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
JANUARY 2006

RGE



VICINITY MAP: J-12-Z

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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 (UPDATE #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. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.

4. 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.

5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATIONS 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 STANDARD SPECIFICATIONS.

6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.

7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER 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 PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNERS EXPENSE.

8. 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.

9. ALL STREETS SHALL REQUIRE STREET NAME SIGNS, STOP SIGNS, AND ANY NECESSARY STRIPING
ALL TO BE PROVIDED AND MAINTAINED BY DEVELOPER.

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.

☑ 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.

SURVEYOR'S CERTIFICATION

I, WILL PLOTNER JR, A DULY QUALIFIED, REGISTERED, PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE 'AS-BUILT' INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND 'AS-BUILT' SURVEYS PERFORMED BY ME OR UNDER MY SUPERVISION, THAT THE 'AS-BUILT' INFORMATION SHOWN ON THESE DRAWNINGS WAS ADDED BY ME OR UNDER MY SUPERVISION , AND THAT THIS 'AS-BUILT' INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. CARTESIAN SURVEYS IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.

9/29/06

WILL PLOTNER JR, NMPS 14271

WILL PLOTNER JR. NEW MEXICO 14271 REGISTERED PROFESSIONAL SURVEYOR

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, David Soule of the firm of Rio Grande Engineering, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey information provided by Will Plotner Jr., NMPS number 14271.

DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: 1/31/2007

DRB# -1004360

Rio Grande Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE

ENGINERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION
DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER 3/31/06	ORC Chairman		5-4-06	City Engineer 5-9-06 Date
	Transportation		4/13/06	
	Water/Wastewater		4/13/06	
	Hydrology	Bradley L. Brayton	3/15/06	
	C.I.P			
	Constr. Mngmt.			
	Constr. Coord.			

CITY PROJECT NO. 775281

SHEET 1 OF 15

SCANNED BY PLANNING

RECORD DRAWING

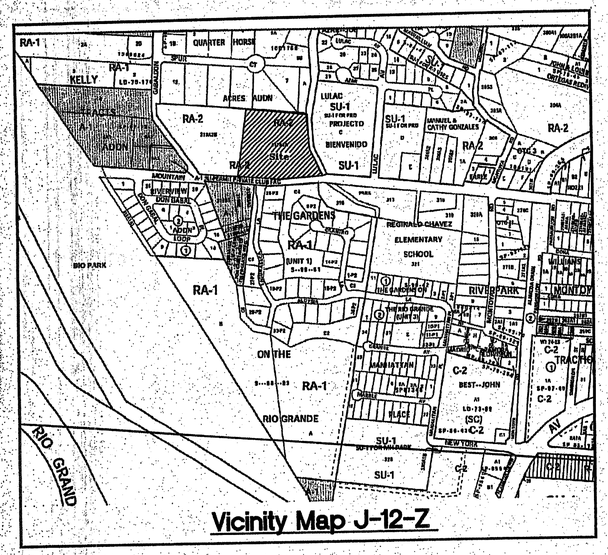
Amended Preliminary Plat

Entrada Del Bosque

(Being a replat of Tract 313A2A, MRGCD Map 38)

within

Section 13, Township 10 North, Range 2 East, NMPM
City of Albuquerque, Bernalillo County, New Mexico
January 2006



Vicinity Map J-12-Z

Notes

1. BEARINGS ARE NEW MEXICO STATE PLANE GRID BEARINGS (CENTRAL ZONE–NAD 1927), REFERENCING STATIONS "15–J12" AND "12–J12".

2. DISTANCES SHOWN HEREON ARE GROUND.

3. ALL STREET MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS AND SHOWN AS THUS . ALL CENTERLINE MONUMENTS WILL BE SET USING THE STANDARD 4" ALUMINUM MONUMENT, STAMPED "CITY OF ALBUQUERQUE CENTERLINE MONUMENT– DO NOT DISTURB, PS 14271" AND WILL BE SET FLUSH WITH THE FINAL ASPHALT.

4. MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS AND ALL OTHER ANGLE POINTS TO ALLOW CENTERLINE MONUMENTATION.

5. TOTAL NUMBER OF EXISTING LOTS: 1

6. TOTAL NUMBER OF LOTS CREATED: 17

7. TOTAL NUMBER OF TRACTS CREATED: 1

8. TOTAL MILEAGE OF FULL WIDTH STREETS CREATED: 0.17

9. CITY OF ALBUQUERQUE ZONE ATLAS PAGE: J–12

10. NO LOT LINES BEING ELIMINATED 0

11. TOATL AREA 4.2941

12. PROPERTY CORNERS TO BE SET ARE AN 18" BATHEY MONUMENT WITH STEEL CAP "LS 14271".

13. THE ZONING FOR THE LOT IS CURRENTLY: RA–2

14. ALL SET EXTERIOR PROPERTY CORNERS ARE A BATHEY MARKER WITH CAP "LS 14271" UNLESS INDICATED OTHERWISE.

15. SET CENTERLINE MONUMENTS "CITY OF ALBUQUERQUE CENTERLINE MONUMENT "LS 14271" SHOWN AS THUS ▲

16. A PRIVATE ACCESS EASEMENT CROSSING TRACT A, BENEFITING THE INDIVIDUAL LOT OWNERS PROVIDING ACCESS TO THE ROADWAY EASEMENT AS SHOWN HEREON IS GRANTED WITH THE FILING OF THIS PLAT.

Disclosure Statement

THE PURPOSE OF THIS PLAT IS TO:

1.) VACATE EASEMENTS.

2.) CREATE 17 NEW LOTS AND 1 TRACT.

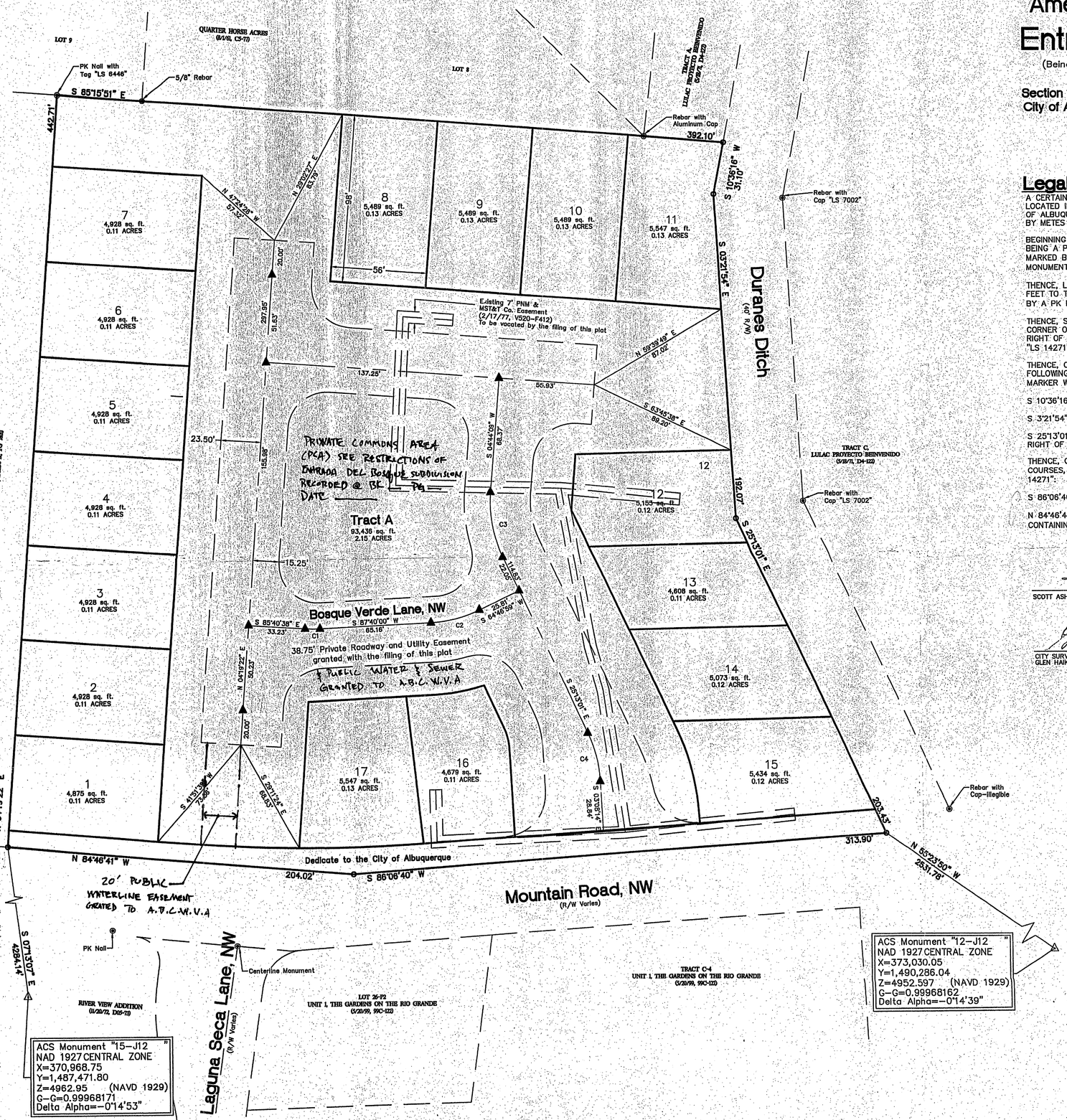
3.) GRANT A ROADWAY EASEMENT.

4.) GRANT NEW UTILITY EASEMENTS.

5.) DEDICATE RIGHT OF WAY.

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	CHORD DIR.	CHORD
C1	75.00'	8.71'	6°39'22"	S 89°00'19" E	8.71'
C2	75.00'	29.95'	22°53'01"	N 76°13'29" E	29.76'
C3	75.00'	39.21'	29°57'10"	S 10°14'26" E	38.76'
C4	75.00'	28.90'	22°04'47"	N 14°10'38" W	28.72



Legal

A CERTAIN TRACT IDENTIFIED AS TRACT 313A2A, MRGCD MAP NUMBER 38, LOCATED IN SECTION 13, TOWNSHIP 10 NORTH, RANGE 2 EAST, NMPM, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO AND BEING DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF THE HEREIN DESCRIBED TRACT, BEING A POINT ON THE NORTHERLY RIGHT OF WAY OF MOUNTAIN ROAD, N.W., MARKED BY A BATHEY MARKER WITH CAP "LS 14271", WHENCE A TIE TO ACS MONUMENT "15–J12" BEARS, S 7°13'07" E, A DISTANCE OF 4284.14 FEET.

THENCE, LEAVING SAID RIGHT OF WAY, N 04°19'22" E, A DISTANCE OF 442.71 FEET TO THE NORTHWEST CORNER OF THE HEREIN DESCRIBED TRACT, MARKED BY A PK NAIL WITH TAG "LS 6446";

THENCE, S 85°15'51" E, A DISTANCE OF 392.10 FEET TO THE NORTHWEST CORNER OF THE HEREIN DESCRIBED TRACT, BEING A POINT ON THE WESTERLY RIGHT OF WAY OF DURANES DITCH, MARKED BY A BATHEY MARKER WITH CAP "LS 14271";

THENCE, COINCIDENTAL WITH SAID DURANES DITCH RIGHT OF WAY THE FOLLOWING THREE COURSES, ALL OF WHICH ARE MARKED BY A BATHEY MARKER WITH CAP "LS 14271":

S 10°36'16" W, A DISTANCE OF 31.10 FEET TO AN ANGLE POINT;

S 3°21'54" E, A DISTANCE OF 192.07 FEET TO AN ANGLE POINT;

S 25°13'01" E, A DISTANCE OF 203.43 FEET TO A POINT ON THE NORTHERLY RIGHT OF WAY OF MOUNTAIN ROAD N.W.,

THENCE, COINCIDING SAID MOUNTAIN RIGHT OF WAY THE FOLLOWING TWO COURSES, ALL OF WHICH ARE MARKED BY A BATHEY MARKER WITH CAP "LS 14271":

S 86°06'40" W, A DISTANCE OF 313.90 FEET;

N 84°46'41" W, A DISTANCE OF 204.02 FEET TO THE POINT OF BEGINNING, CONTAINING 4.2941 ACRES (187,053 SQ. FT) MORE OR LESS.

SCOTT ASHCRAFT, MEMBER WASHINGTON STREET INVESTORS, LLC. — DATE 1-9-06

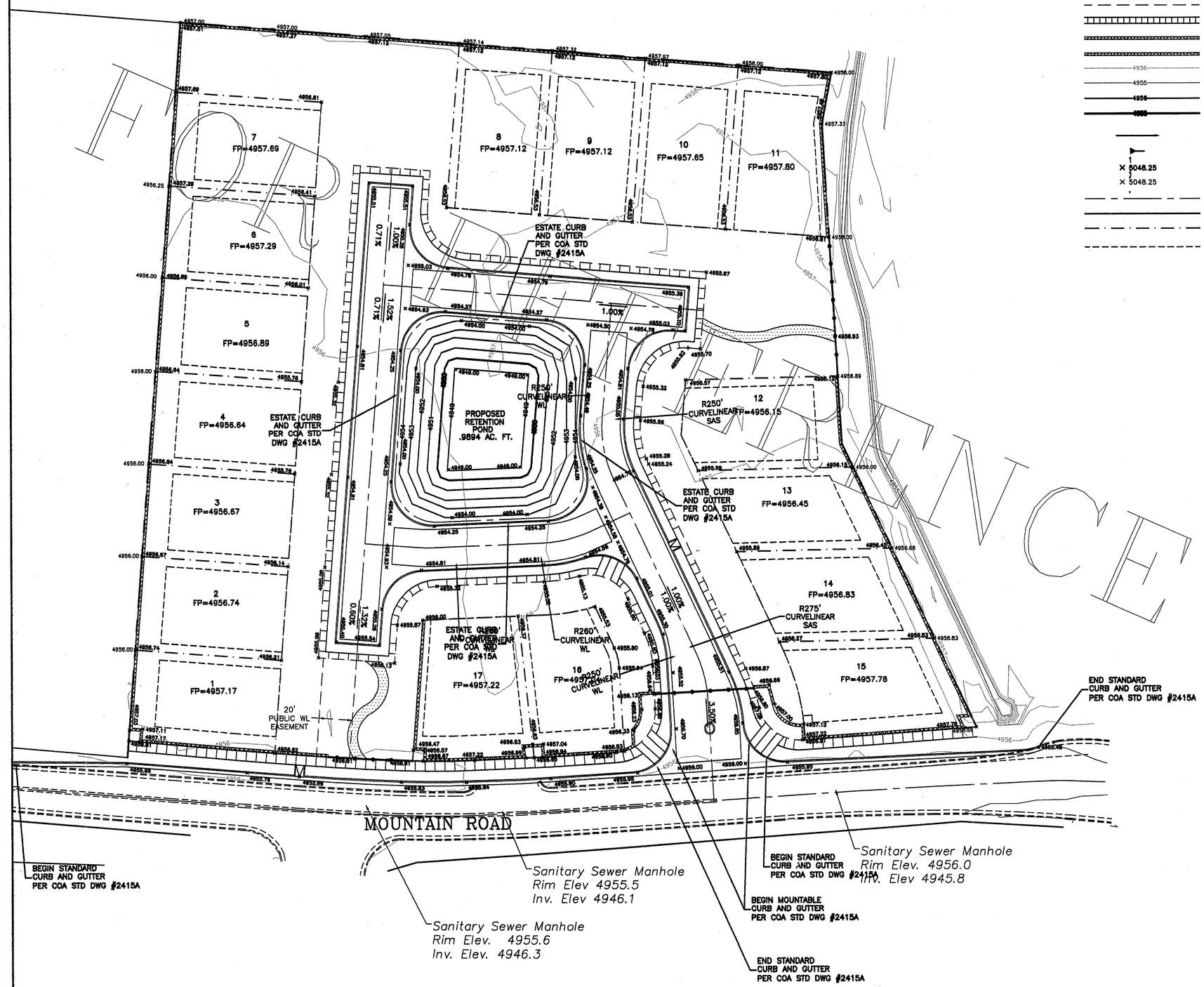
CITY SURVEYOR, CITY OF ALBUQUERQUE
GLEN HAIKIN P.S. — DATE 1-9-06

CARTESIAN SURVEYS INC.
P.O. BOX 44414 RIO RANCHO, N.M. 87174
Phone (505) 896–3050 Fax (505) 891–0244

Sheet 1 of 1
051417

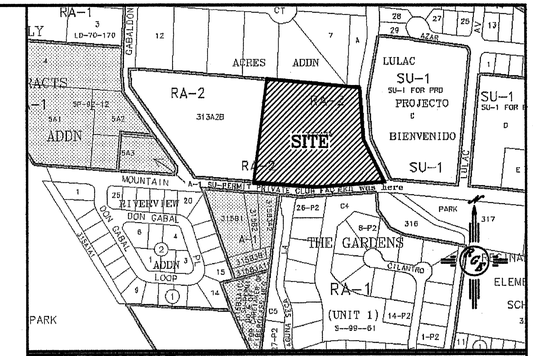
RECORD DRAWINGS

SCANNED BY PLANNING

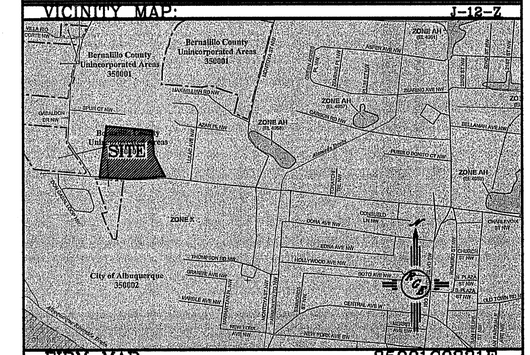


LEGEND

- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- PROPOSED PERIMETER WALL
- PROPOSED WROUGHT IRON FENCE/GATE
- 4956 EXISTING CONTOUR
- 4955 EXISTING INDEX CONTOUR
- 4956 PROPOSED CONTOUR
- 4955 PROPOSED INDEX CONTOUR
- FLOW ARROW
- SLOPE TIE
- × 5048.25 PROPOSED SPOT ELEVATION
- × 5048.25 EXISTING SPOT ELEVATION
- CENTERLINE
- RIGHT-OF-WAY
- LOT LINES
- SETBACK LINE



VICINITY MAP: J-12-Z



FIRM MAP: 35001C0331E

LEGAL DESCRIPTION:

TRACTS 313A2A

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL CURB AND GUTTER TO BE MOUNTABLE PER COA STD DWG #2415A UNLESS OTHERWISE NOTED.
3. ALL PADS SHALL BE BUILT PER FOOTPRINT SHOWN.

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT.

CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

N

30 15 0 15 30

SCALE: 1"=30'

ROUGH GRADING APPROVAL DATE

ENGINEER'S SEAL	ENTRADA DEL BOSQUE	DRAWN BY WCWJ
DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER 10/12/05	AMENDED GRADING AND DRAINAGE PLAN	DATE 1-02-06
		2518-GRB-12-21-05X
	Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET # 3 OF 15
DAVID SOULE P.E. #14522		JOB # 2518

RECORD DRAWINGS

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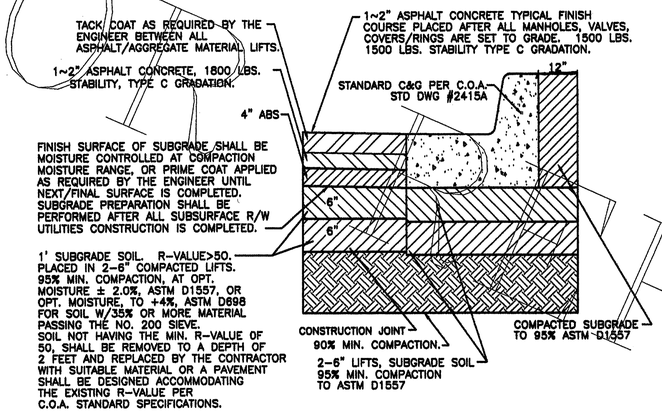
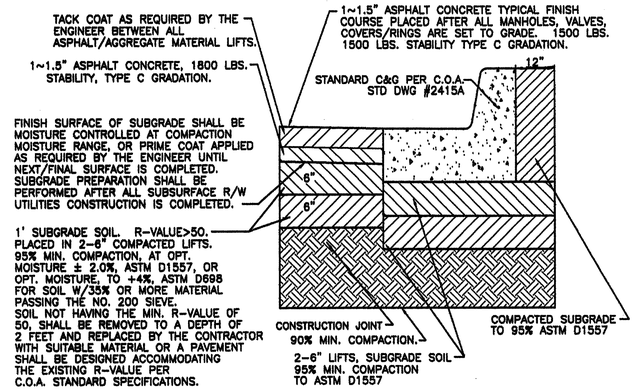
PLANNING

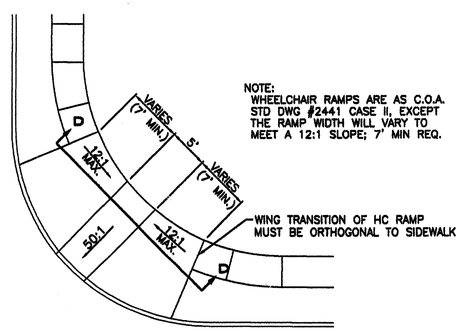
FOR REFERENCE ONLY



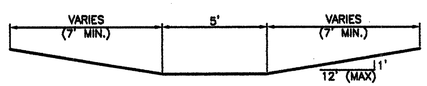
TOWER, SAN YGNACIO PAVING SECTION (STANDARD CURB)
NTS



RESIDENTIAL PAVING SECTION (STANDARD CURB)
NTS



WHEELCHAIR RAMP DETAIL (TYP.)
NTS



SECTION D-D
NTS

ENGINEER'S SEAL DAVID SOULE NEW MEXICO 14522 REGISTERED PROFESSIONAL ENGINEER 10/24/05 DAVID SOULE P.E. #14522	ENTRADA DEL BOSQUE AMENDED GRADING AND DRAINAGE PLAN Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	DRAWN BY WCWJ DATE 1-02-06 2518-GRB-12-21-05X SHEET # 4 OF 15 JOB # 2518

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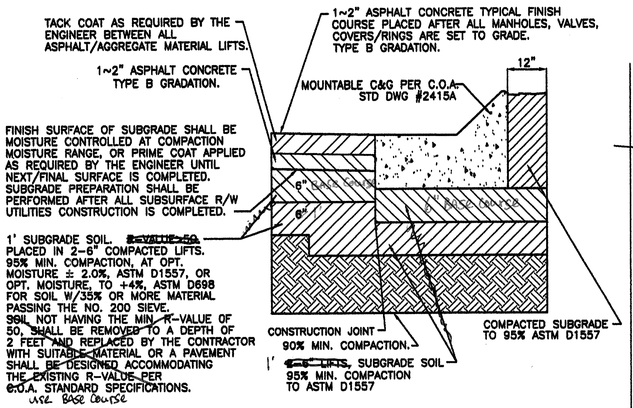
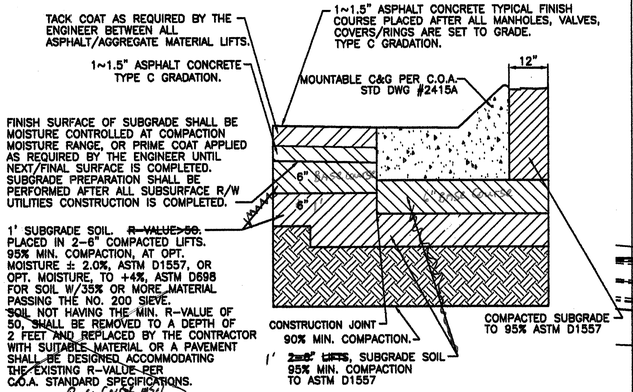
RECORD DRAWINGS



MAJOR LOCAL PAVING SECTION (MOUNTABLE CURB)
NTS-FOR MOUNTAIN ROAD



RESIDENTIAL PAVING SECTION (MOUNTABLE CURB)
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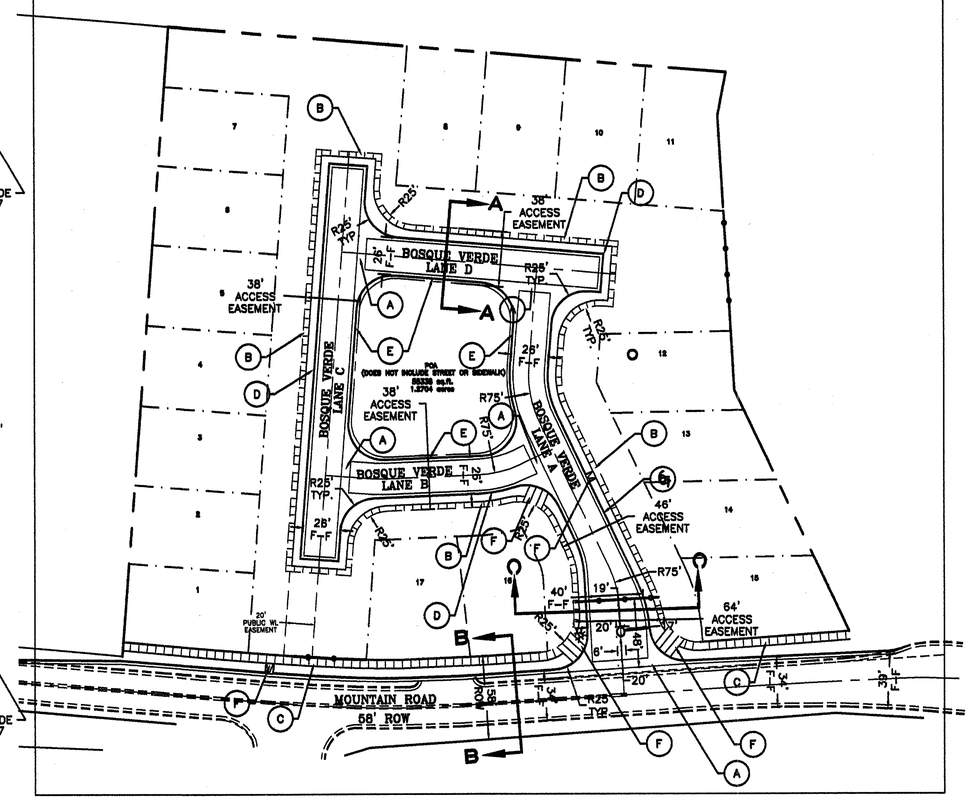
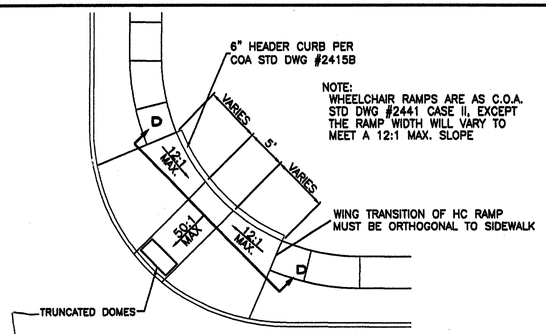
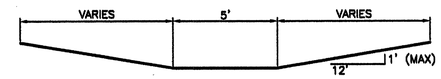
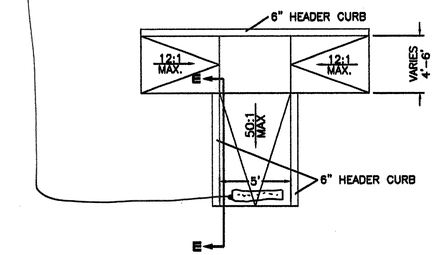




WHEELCHAIR RAMP DETAIL (TYP.)
NTS



SECTION D-D
NTS



MODIFIED WHEELCHAIR RAMP DETAIL
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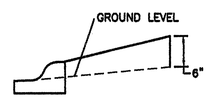
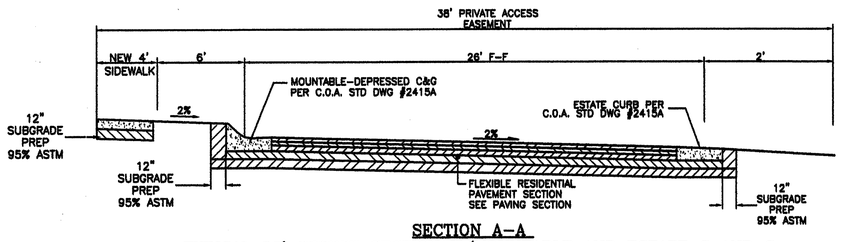
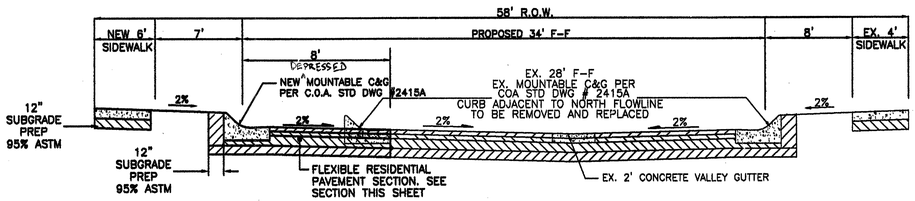


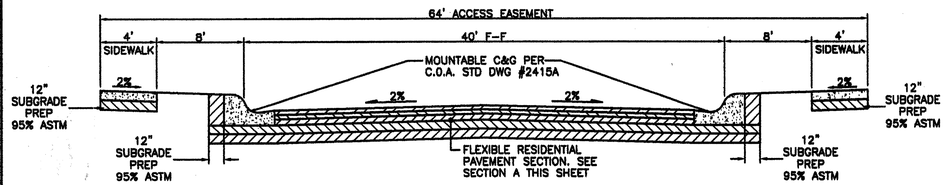
SECTION E-E
NTS



SECTION A-A
TYPICAL 26' STREET SECTION W/MOUNTABLE AND ESTATE C AND G
NTS



SECTION B-B
TYPICAL 34' STREET SECTION W/ MOUNTABLE C AND G



SECTION C-C
TYPICAL 40' STREET SECTION W/ MOUNTABLE C AND G

LEGEND

- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- PROPOSED SIDEWALK
- CENTERLINE
- RIGHT-OF-WAY
- LOT LINES
- STREET LIGHTS

KEYED NOTE:

- (A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) 4' SIDEWALK TO BE DEFFERED
- (C) 6' SIDEWALK TO BE BUILT WITH THIS CONTRACT. PER COA STD DWG #2430
- (D) MOUNTABLE -DEPRESSED C&G PER COA STD DWG #2415A
- (E) MOUNTABLE ESTATE CURB PER COA STD DWG #2415A
- (F) HANDICAP RAMP SEE DETAIL THIS SHEET (MODIFIED WC RAMP)
- (G) MOUNTABLE C&G PER COA STD DWG #2415A

NOTES:

1. ALL SIDEWALKS ADJOINING DRIVEPAD SHALL BE 6" THICK.

N

50 25 0 25 50

SCALE: 1"=50'

AS BUILT INFORMATION

NO.	BY	DATE
		DATE
		DATE
		DATE
		DATE

BENCH MARKS
ACS MONUEMENT CENTRAL STATION
"12-J12"
X=373,030.05
Y=1,490,286.04
DELTA/ALPHA=-00°14'39"
ELEV=4952.597 NAVD 1929
G/G=0.99968162

SURVEY INFORMATION
FIELD NOTES

ENGINEER'S SEAL
DAVID SOULE
NEW MEXICO
14831
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: WCWJ DATE: 9-16-05
DRAWN BY: WCWJ DATE: -16-05
DRAWN NAME: 2514-DRC-8-15-05X.DWG JOB NO.: 2514
CHECKED BY: DS DATE: 9-16-05

Rio Grande Engineering
1908 CENTRAL AVENUE SE
SUITE 101
ALBUQUERQUE, NM 87106
(505) 272-2460

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

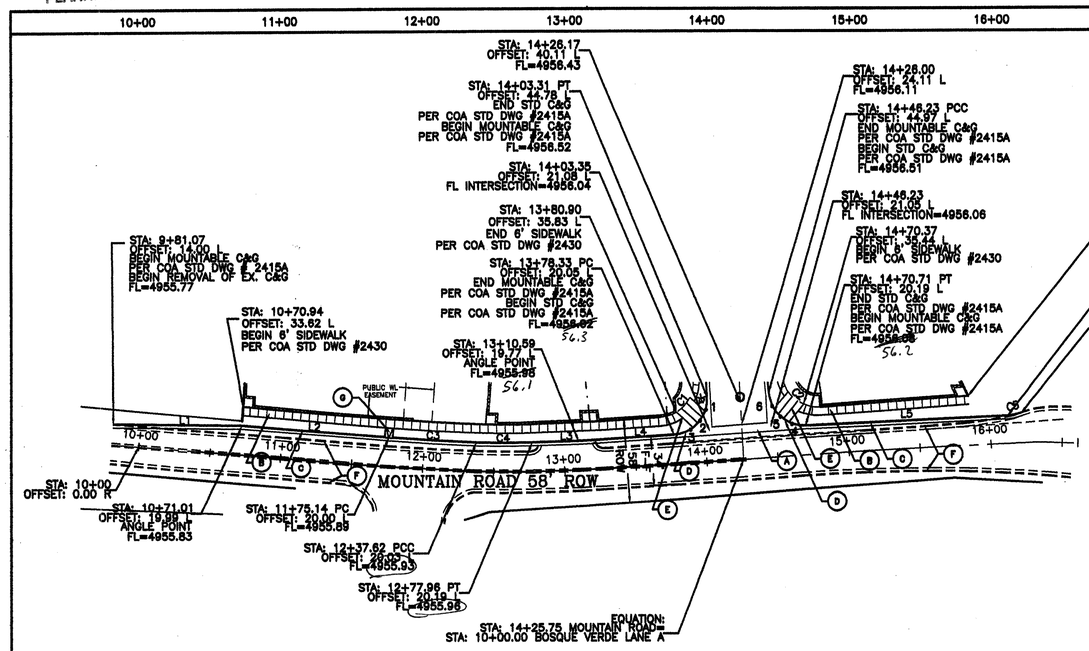
TITLE: **ENTRADA DEL BOSQUE SUBDIVISION**
MASTER PAVING PLAN

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
775281	J-12-Z	5	15

SCANNED BY PLANNING

RECORD DRAWINGS



MOUNTAIN PAV CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD
C1	39.04	25.00	89°27'49"	N41°35'40"E	35.19
C2	38.53	25.00	88°18'30"	S48°24'08"E	34.83
C3	61.59	1354.24	2°36'21"	S86°37'45"E	61.59
C4	39.14	557.40	4°01'24"	S89°48'42"E	39.13
C5	9.86	30.00	18°49'27"	N78°01'53"E	9.81

MOUNTAIN PAV LINE TABLE		
LINE	LENGTH	BEARING
L1	90.20	N89°18'36"W
L2	103.69	S85°20'27"E
L3	50.60	N87°38'42"E
L4	52.22	N86°12'53"E
L5	141.28	N87°26'36"E

QUARTER POINTS

C1	FL	ELEV.	C2	FL	ELEV.
	1	4956.41		4	4956.22
	2	4956.27		5	4956.27
	3	4956.19		6	4956.41

Certification

THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Will Plotney

KEYED NOTE:

- (A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) 6' SIDEWALK TO BE BUILT WITH THIS CONTRACT PER COA STD. DWG #2430
- (C) MOUNTABLE-DEPRESSED CURB PER C.O.A. STD DWG #2415A
- (D) STANDARD CURB PER C.O.A. STD DWG #2415A
- (E) H.C. RAMP PER COA STD DWG #2441 SEE MASTER PAVING SHEET
- (F) EXISTING MOUNTABLE CURB AND GUTTER
- (G) MODIFIED H.C. RAMP PER SEE MASTER PAVING SHEET

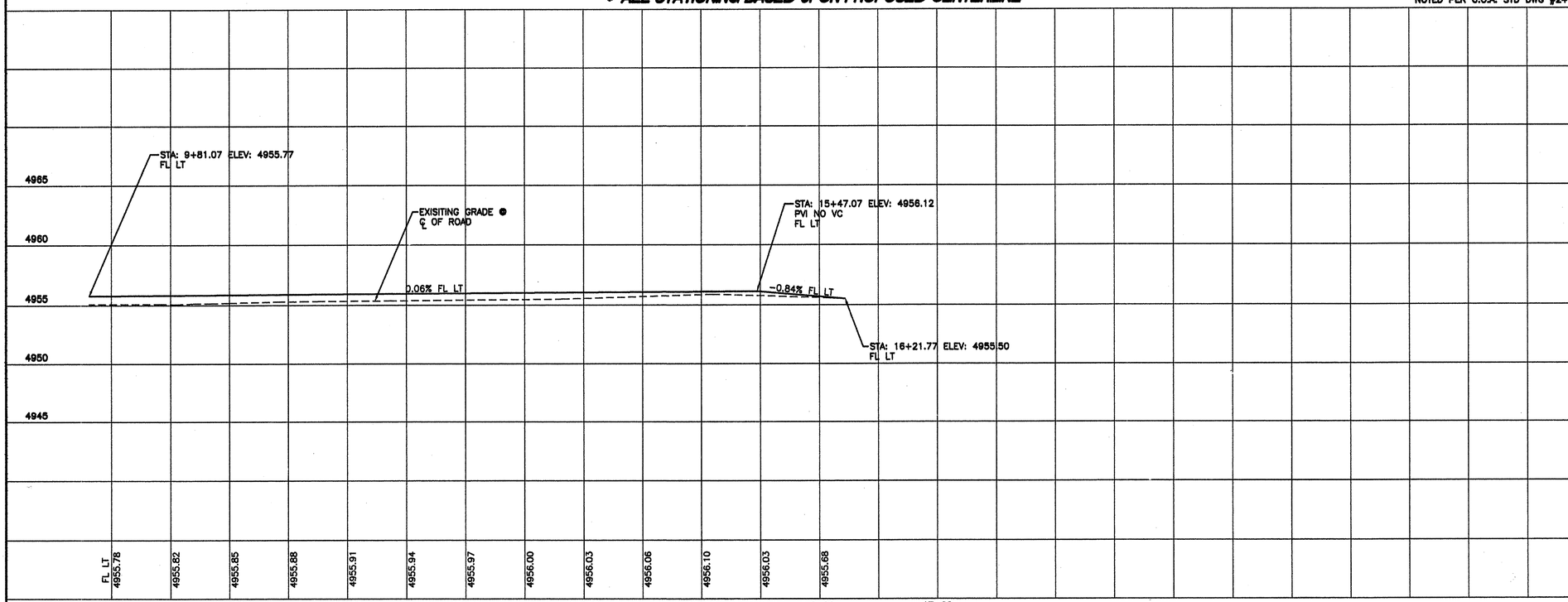
NOTE:

1. SEE MASTER PAVING PLAN FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
2. ALL CURB AND GUTTER ARE TO BE MOUNTABLE UNLESS OTHERWISE NOTED.
3. TRANSITIONS FROM MOUNTABLE C&G TO STANDARD C&G IS THRU THE HC RAMPS UNLESS OTHERWISE NOTED PER C.O.A. STD DWG #2418.

N

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

MOUNTAIN ROAD
STA: 10+00.00 TO 16+60.90
*-ALL STATIONING BASED UPON PROPOSED CENTERLINE



AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY Cartesian Surveys Inc. DATE 1/26/06
INSPECTOR'S ACCEPTANCE BY DATE
FIELD REVISIONS BY Cartesian Surveys Inc. DATE
FINAL LOCATIONS CORRECTED BY DATE

BENCH MARKS
ACS MONUMENT CENTRAL STATION "12-J12"
X=373,030.05
Y=1,490,286.04
DELTA/ALPHA=-00°14'39"
ELEV=4952.597 NAVD 1929
G/G=0.99968162

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
DAVID SOULE NEW MEXICO 12894 PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN
DESIGNED BY: WCWJ DATE: 1-18-06
DRAWN BY: WCWJ DATE: 1-18-06
DRAWN NAME: 2518-DRC-12-21-05X.DWG JOB NO.: 2518
CHECKED BY: DS DATE: 1-19-06

Rio Grande Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 270-0005

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

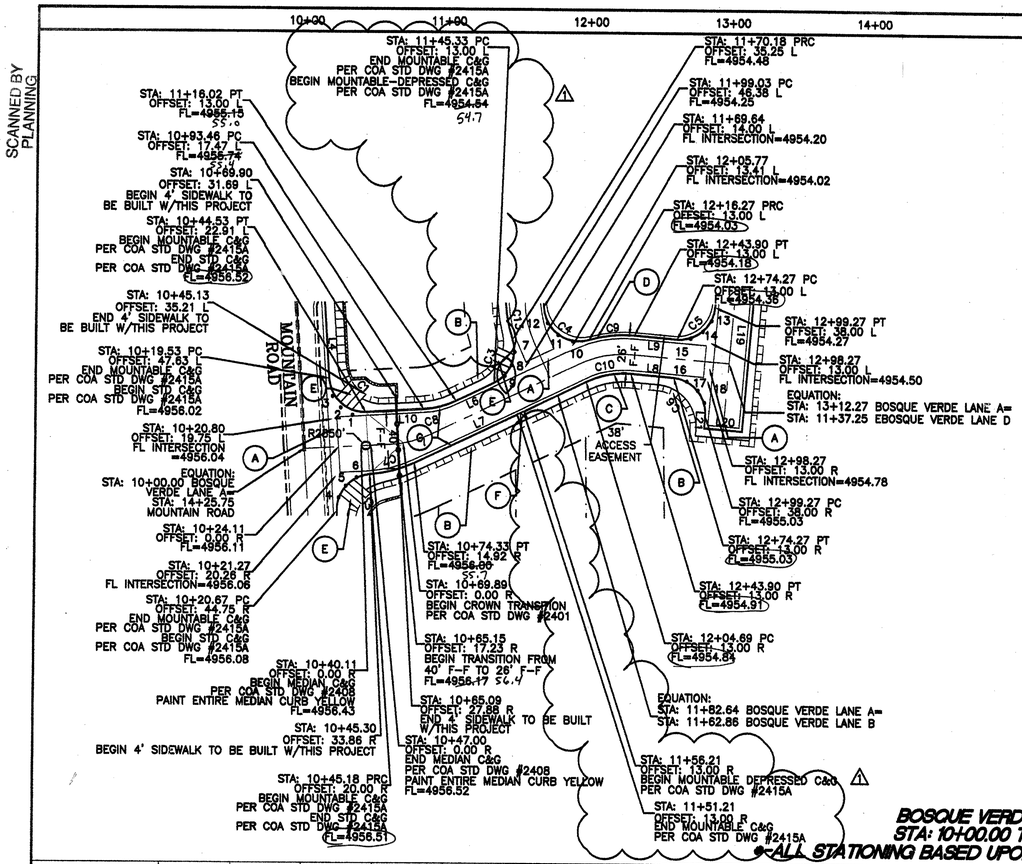
TITLE: ***ENTRADA DEL BOSQUE SUBDIVISION***
MOUNTAIN ROAD PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAY 2 0 2006 DESIGN REVIEW COMMITTEE	APPROVED MAY 2 0 2006 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
775281	J-12-Z	6	15

RECORD DRAWINGS

SCANNED BY PLANNING



BOSQUE VERDE LOOP A PAV CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD
C1	39.04	25.00	89°27'49"	N41°35'40"E	35.19
C2	38.53	25.00	88°18'30"	S48°24'08"E	34.83
C3	36.58	25.00	83°50'35"	N67°08'18"W	33.41
C4	45.40	25.00	104°02'38"	N35°38'41"E	39.41
C5	39.27	25.00	90°00'00"	N40°15'51"W	35.36
C6	39.27	25.00	90°00'00"	S49°44'09"W	35.36
C7	32.57	89.00	20°58'08"	N14°43'57"W	32.39
C8	23.51	61.00	22°04'47"	N14°10'38"W	23.36
C9	32.43	88.00	21°06'47"	S05°49'14"E	32.24
C10	32.41	62.00	29°57'10"	S10°14'26"E	32.04

Certification

THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Will Pharis

BOSQUE VERDE LOOP A PAV LINE TABLE		
LINE	LENGTH	BEARING
L6	37.04	N25°13'01"W
L7	133.32	N25°13'01"W
L8	30.37	N04°44'09"E
L9	30.37	S04°44'09"W
L10	33.85	S03°09'14"E

QUARTER POINTS

	FL	ELEV.		FL	ELEV.
C1	1	4956.53	C2	4	4954.22
	2	4956.36		5	4956.37
	3	4956.19		6	4956.51
C3	7	4954.55	C4	10	4954.09
	8	4954.55		11	4954.14
	9	4954.55		12	4954.19
C5	13	4954.30	C6	16	4955.03
	14	4954.30		17	4955.03
	15	4954.30		18	4955.03

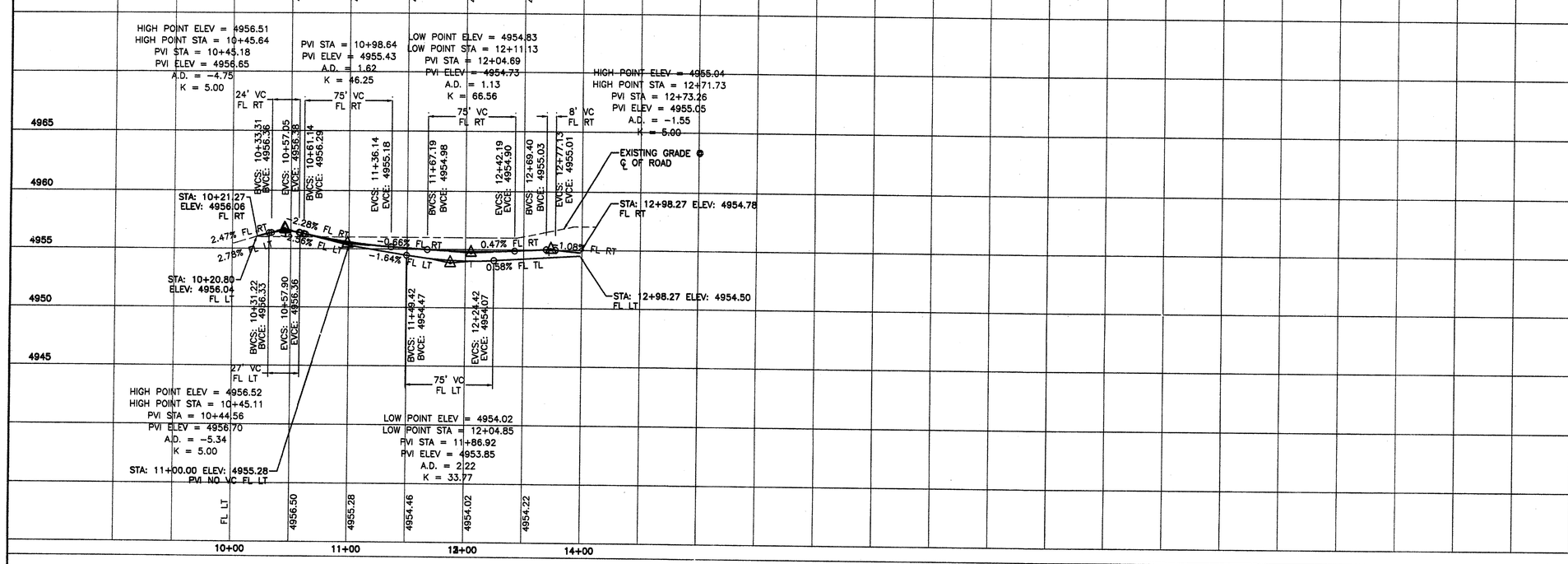
KEYED NOTE:

- (A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) 4' SIDEWALK TO BE DEFFERED
- (C) DEPRESSED MOUNTABLE C&G PER COA STD DWG #2415A
- (D) MOUNTABLE ESTATE CURB PER COA STD DWG #2415A
- (E) HANDICAP RAMP SEE DETAIL MASTER PAVING SHEET
- (F) MODIFIED HANDICAP RAMP SEE DETAIL MASTER PAVING SHEET
- (G) MOUNTABLE C&G PER COA STD DWG 2415A

NOTE:

1. SEE MASTER PAVING PLAN FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
2. ALL CURB AND GUTTER ARE TO BE MOUNTABLE UNLESS OTHERWISE NOTED.
3. TRANSITIONS FROM MOUNTABLE C&G TO STANDARD C&G IS THRU THE HC RAMPS UNLESS OTHERWISE NOTED PER C.O.A. STD DWG #2418.

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



AS BUILT INFORMATION

CONTRACTOR: Cartesian Surveys Inc. DATE: 1/16/06
WORK STAKED BY: Cartesian Surveys Inc. DATE
SURVEY CHECKED BY: DATE
ACCEPTANCE BY:
FIELD VERIFICATION BY: Cartesian Surveys Inc. DATE: 1/17/06
DRAWINGS CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS

ACS MONUMENT CENTRAL STATION
"12-J12"
X=373,030.05
Y=1,490,286.04
DELTA/ALPHA=-00°14'39"
ELEV=4952.597 NAVD 1929
G/C=0.99968162

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DAVID SOULE NEW MEXICO 14529 LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
1	5-03-06	ADDED BEGIN AND ENDING FOR MOUNTABLE DEPRESSED C&G WCWJ

REVISIONS

DESIGN

DESIGNED BY: WCWJ DATE: 1-18-06
DRAWN BY: WCWJ DATE: 1-18-06
DRAWN NAME: 2518-DRC-12-21-05X.DWG JOB NO.: 2518
CHECKED BY: DS DATE: 1-19-06

Rio Grande Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

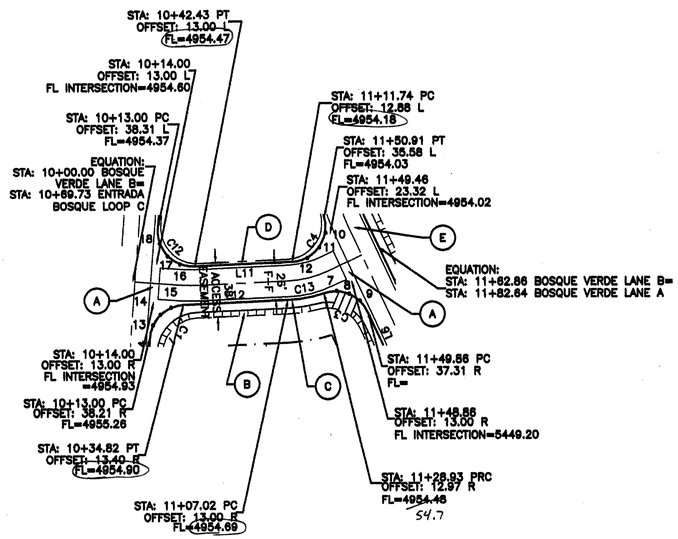
TITLE: **ENTRADA DEL BOSQUE SUBDIVISION**
BOSQUE VERDE LANE A PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	NO./DAY/YR.	NO./DAY/YR.
APPROVE MAY DESIGN REVIEW COMMITTEE	APPROVE MAY CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
775281	J-12-Z	7	15

RECORD DRAWINGS

SCANNED BY PLANNING



BOSQUE VERDE LOOP B PAV CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD
C3	36.58	25.00	83°50'35"	N67°08'18"W	33.41
C4	45.40	25.00	104°02'38"	N35°38'41"E	39.41
C11	36.37	25.00	83°20'38"	S45°59'41"W	33.24
C12	42.17	25.00	96°39'22"	S44°00'19"E	37.35
C13	25.68	88.00	16°43'23"	N79°18'06"E	25.59

BOSQUE VERDE LOOP B PAV LINE TABLE		
LINE	LENGTH	BEARING
L11	68.51	N87°40'00"E
L12	73.47	N87°39'48"E

QUARTER POINTS

C3	FL	ELEV.
	7	4954.55
	8	4954.55
	9	4954.55

C4	FL	ELEV.
	10	4954.09
	11	4954.14
	12	4954.19

C11	FL	ELEV.
	13	4955.17
	14	4955.08
	15	4954.99

C12	FL	ELEV.
	16	4954.50
	17	4954.53
	18	4954.56

Certification
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDU[illegible]R UNDER MY SUPERVISION AND RE[illegible]GATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Will Pickney

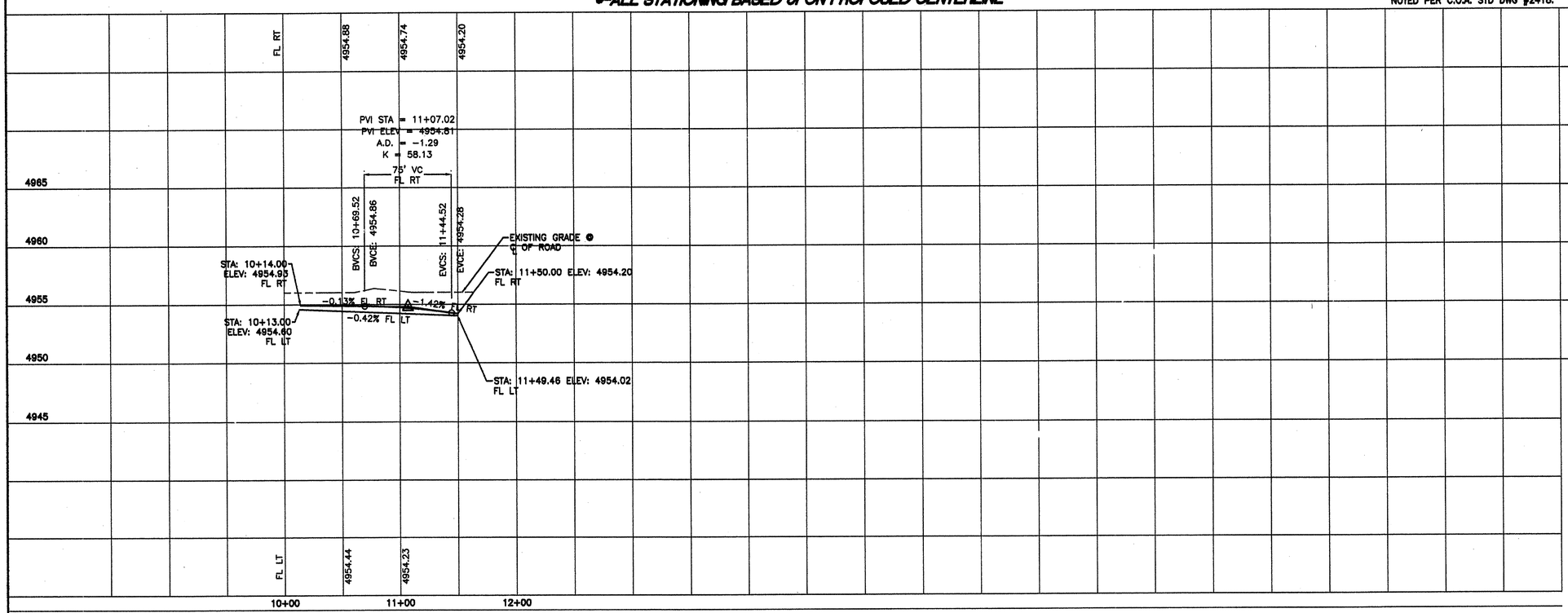
KEYED NOTE:

(A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
(B) 4' SIDEWALK TO BE DEFFERED
(C) MOUNTABLE C&G PER COA STD DWG #2415A
(D) MOUNTABLE ESTATE CURB PER COA STD DWG #2415A
(E) 10' VALLEY GUTTER PER COA STD DWG #2422

NOTE:
1. SEE MASTER PAVING PLAN FOR STREET SECTIONS AND WHEELCHAIR RAMP TYPES.
2. ALL CURB AND GUTTER ARE TO BE MOUNTABLE UNLESS OTHERWISE NOTED.
3. TRANSITIONS FROM MOUNTABLE C&G TO STANDARD C&G IS THRU THE HC RAMPS UNLESS OTHERWISE NOTED PER C.O.A. STD DWG #2418.

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

BOSQUE VERDE LANE B
STA: 10+00.00 TO 11+62.86
****-ALL STATIONING BASED UPON PROPOSED CENTERLINE***



AS BUILT INFORMATION
CONTRACTOR — DATE
SURVEY STAMPED BY — Carlesbian Surveys Inc. — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD LOCATION BY — Carlesbian Surveys Inc. — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS MONUMENT CENTRAL STATION
"12-J12"
X=373,030.05
Y=1,490,286.04
DELTA/ALPHA=-00°14'39"
ELEV=4952.597 NAVD 1929
G/G=0.99968162

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: WCWJ — DATE: 1-18-06
DRAWN BY: WCWJ — DATE: 1-18-06
DRAWN NAME: 2518-DRC-12-21-05X.DWG — JOB NO.: 2518
CHECKED BY: DS — DATE: 1-19-06

Rio Grande Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

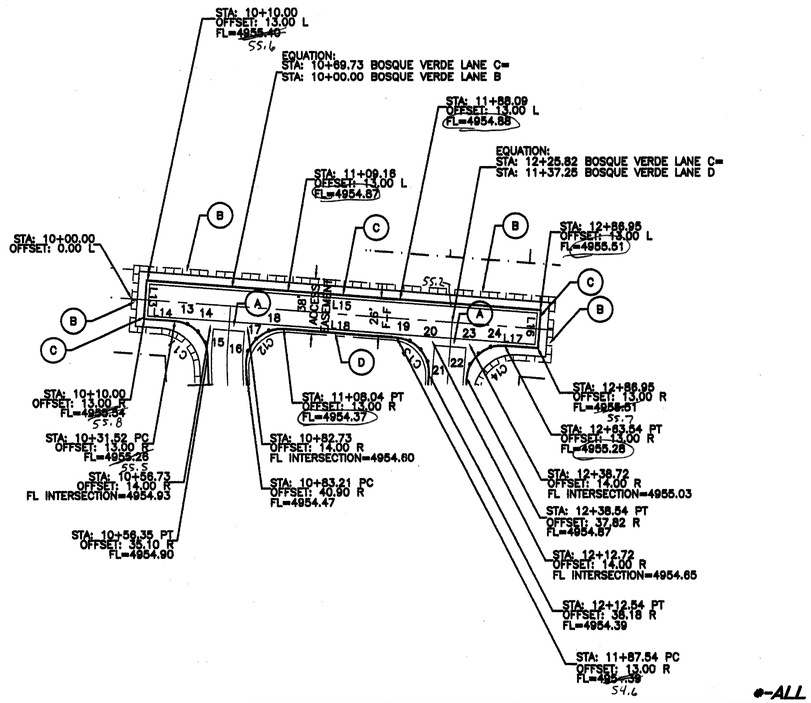
TITLE: ***ENTRADA DEL BOSQUE SUBDIVISION***
BOSQUE VERDE LANE B PAVING IMPROVEMENTS

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

CITY PROJECT NO. 775281 | ZONE MAP NO. J-12-Z | SHEET 8 OF 15

RECORD DRAWINGS

SCANNED BY PLANNING



BOSQUE VERDE LOOP C PAV CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD
C11	36.37	25.00	83°20'38"	S45°59'41"W	33.24
C12	42.17	25.00	96°39'22"	S44°00'19"E	37.35
C13	39.45	25.00	90°24'47"	S49°31'45"W	35.48
C14	39.09	25.00	89°35'13"	S40°28'15"E	35.23

BOSQUE VERDE LOOP C PAV LINE TABLE		
LINE	LENGTH	BEARING
L13	26.00	S85°40'38"E
L14	21.52	N04°19'22"E
L15	276.95	N04°19'22"E
L16	26.00	S85°40'38"E
L17	23.41	S04°19'22"W
L18	79.51	S04°19'22"W

QUARTER POINTS

C11	FL	ELEV.
	13	4955.17
	14	4955.08
	15	4954.99

C12	FL	ELEV.
	16	4954.50
	17	4954.53
	18	4954.56

C13	FL	ELEV.
	19	4954.36
	20	4954.33
	21	4954.30

C14	FL	ELEV.
	22	4954.91
	23	4955.04
	24	4955.16

Certification
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Will Plotner

KEYED NOTE:

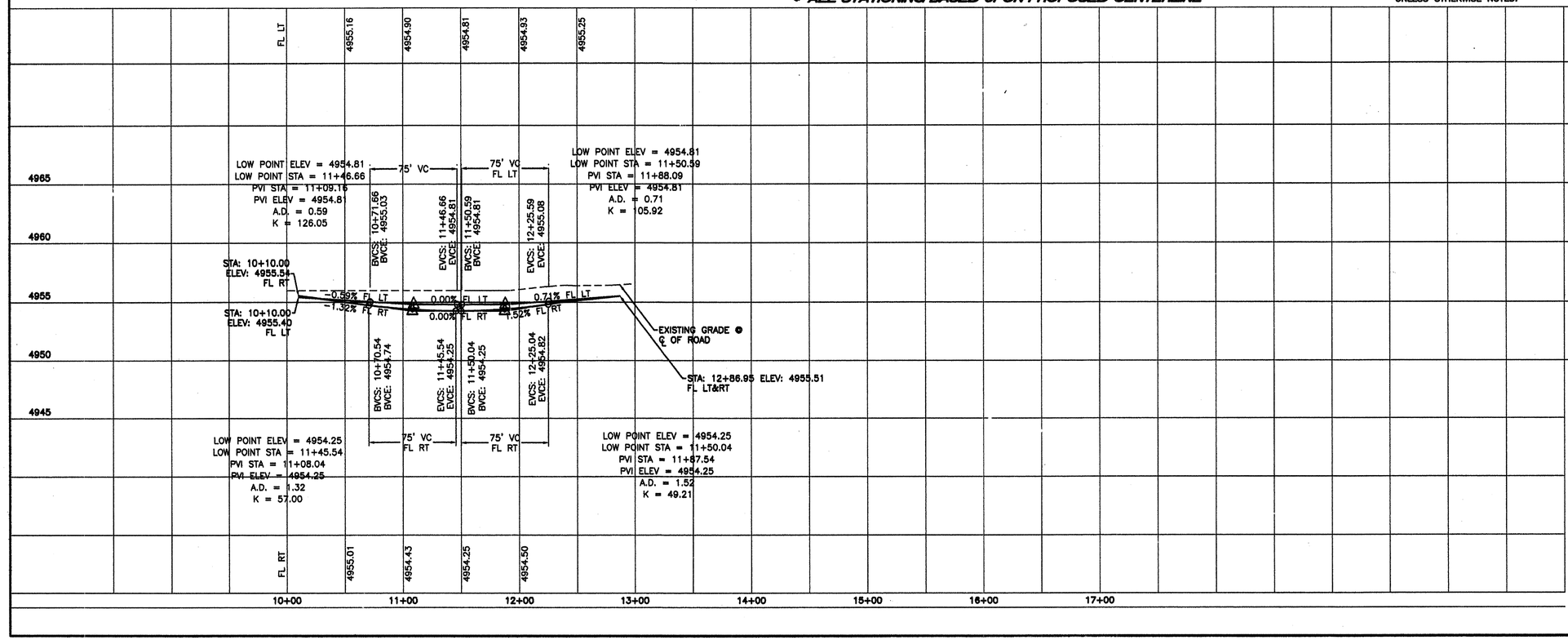
- (A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) 4' SIDEWALK TO BE DEFFERED
- (C) MOUNTABLE C&G PER COA STD DWG #2415A
- (D) MOUNTABLE ESTATE CURB PER COA STD DWG #2415A

NOTE:

1. SEE MASTER PAVING PLAN FOR STREET SECTIONS.
2. ALL CURB AND GUTTER ARE TO BE MOUNTABLE UNLESS OTHERWISE NOTED.

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

BOSQUE VERDE LANE C
STA: 10+00.00 TO 12+96.95
****-ALL STATIONING BASED UPON PROPOSED CENTERLINE***



AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY Carlbaian Surveys Inc. DATE 1/26-7/06
INSPECTOR DATE
ACCEPTANCE BY DATE
VERIFICATION BY Carlbaian Surveys Inc. DATE 11/0 8 06
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT CENTRAL STATION
"12-J12"
X=373,030.05
Y=1,490,286.04
DELTA/ALPHA=-00°14'39"
ELEV=4952.597 NAVD 1929
G/G=0.99966162

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
DAVID SOULE
NEW MEXICO
12394
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: WCWJ DATE: 1-18-06
DRAWN BY: WCWJ DATE: 1-18-06
DRAWN NAME: 2518-DRC-12-21-05X.DWG JOB NO.: 2518
CHECKED BY: DS DATE: 1-19-06

Rio Grande Engineering
1006 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-0999

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

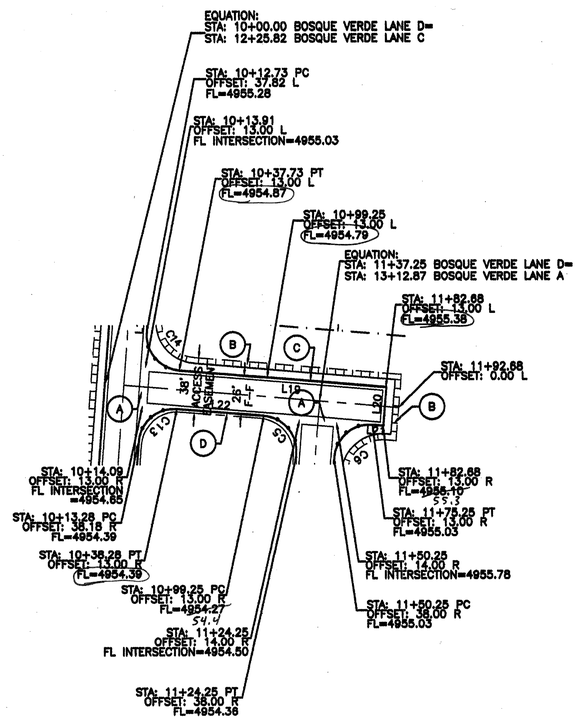
TITLE: ***ENTRADA DEL BOSQUE SUBDIVISION***
BOSQUE VERDE LANE C PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE — APPROVED MAY 4 2006 — DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL — APPROVED MAY 9 2006 — CITY ENGINEER
LAST DESIGN UPDATE — MO./DAY/YR. — MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
775281	J-12-Z	9	15

RECORD DRAWINGS

SCANNED BY PLANNING



BOSQUE VERDE LOOP D PAV CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD
C5	39.27	25.00	90°00'00"	N40°15'51"W	35.36
C6	39.27	25.00	90°00'00"	S49°44'09"W	35.36
C13	39.45	25.00	90°24'47"	S49°31'45"W	35.48
C14	39.09	25.00	89°35'13"	S40°28'15"E	35.23

BOSQUE VERDE LOOP D PAV LINE TABLE		
LINE	LENGTH	BEARING
L19	144.95	S85°15'51"E
L20	26.00	S04°44'09"W
L21	7.43	N85°15'51"W
L22	50.98	S85°15'51"E

QUARTER POINTS

C5	FL	ELEV.
	13	4954.30
	14	4954.30
	15	4954.30

C6	FL	ELEV.
	16	4955.03
	17	4955.03
	18	4955.03

C13	FL	ELEV.
	19	4954.36
	20	4954.33
	21	4954.30

C14	FL	ELEV.
	22	4954.91
	23	4955.04
	24	4955.16

Certification

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Will Pickney

KEYED NOTE:

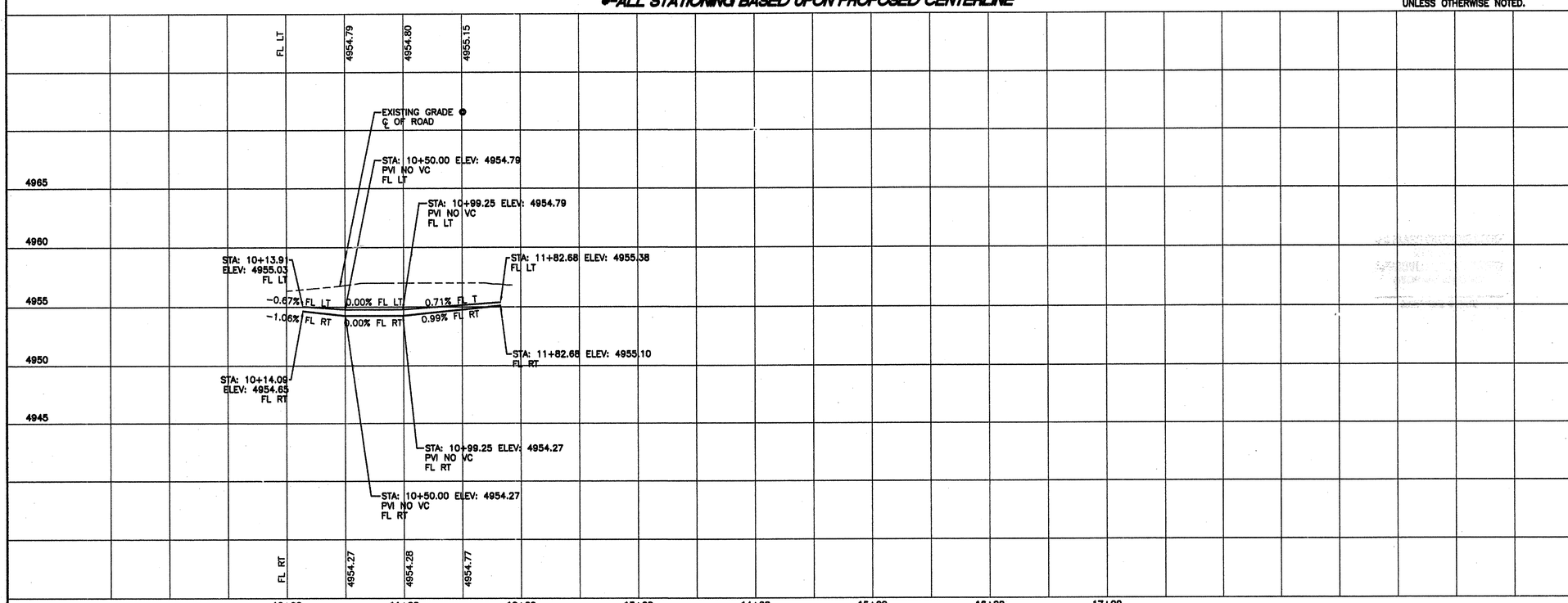
- (A) 6' VALLEY GUTTER PER C.O.A. STD DWG #2420
- (B) 4' SIDEWALK TO BE DEFFERED
- (C) MOUNTABLE C&G PER COA STD DWG #2415A
- (D) MOUNTABLE ESTATE CURB PER COA STD DWG #2415A

NOTE:

1. SEE MASTER PAVING PLAN FOR STREET SECTIONS.
2. ALL CURB AND GUTTER ARE TO BE MOUNTABLE UNLESS OTHERWISE NOTED.

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

BOSQUE VERDE LANE D
STA: 10+00.00 TO 11+92.68
℄-ALL STATIONING BASED UPON PROPOSED CENTERLINE



AS BUILT INFORMATION
CONTRACTOR Carlenian Surveys Inst. DATE/No. "Rev"
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
VERIFICATION BY Carlenian Surveys Inc. DATE/NO. 0.0
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT CENTRAL STATION
"12-J12"
X=373,030.05
Y=1,490,286.04
DELTA/ALPHA=-00°14'39"
ELEV=4952.597 NAVD 1929
G/G=0.99968162

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DAVID SOULE
NEW MEXICO
8894
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: WCWJ DATE: 1-18-06
DRAWN BY: WCWJ DATE: 1-18-06
DRAWN NAME: 2518-DRC-12-21-05X.DWG JOB NO.: 2518
CHECKED BY: DS DATE: 1-19-06

Rio Grande Engineering
1905 CENTRAL AVENUE NE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 976-7688

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

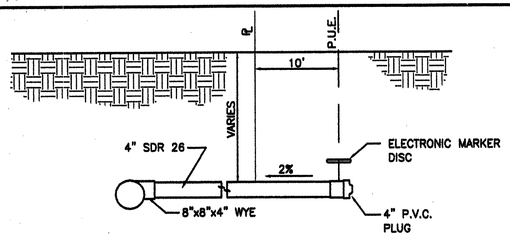
TITLE: **ENTRADA DEL BOSQUE SUBDIVISION**
BOSQUE VERDE LANE D PAVING IMPROVEMENTS

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
775281	J-12-Z	10	15

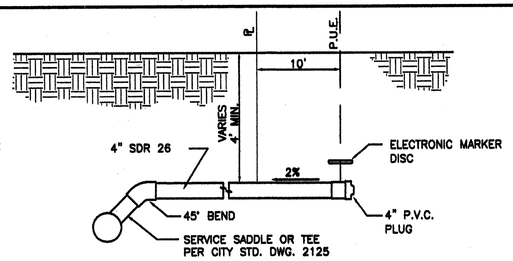
SCANNED BY PLANNING

RECORD DRAWINGS



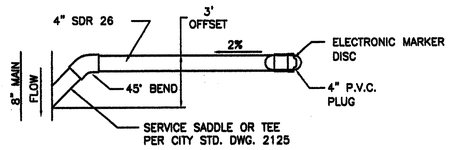
WYE FITTING SANITARY SERVICE CONNECTION

NTS



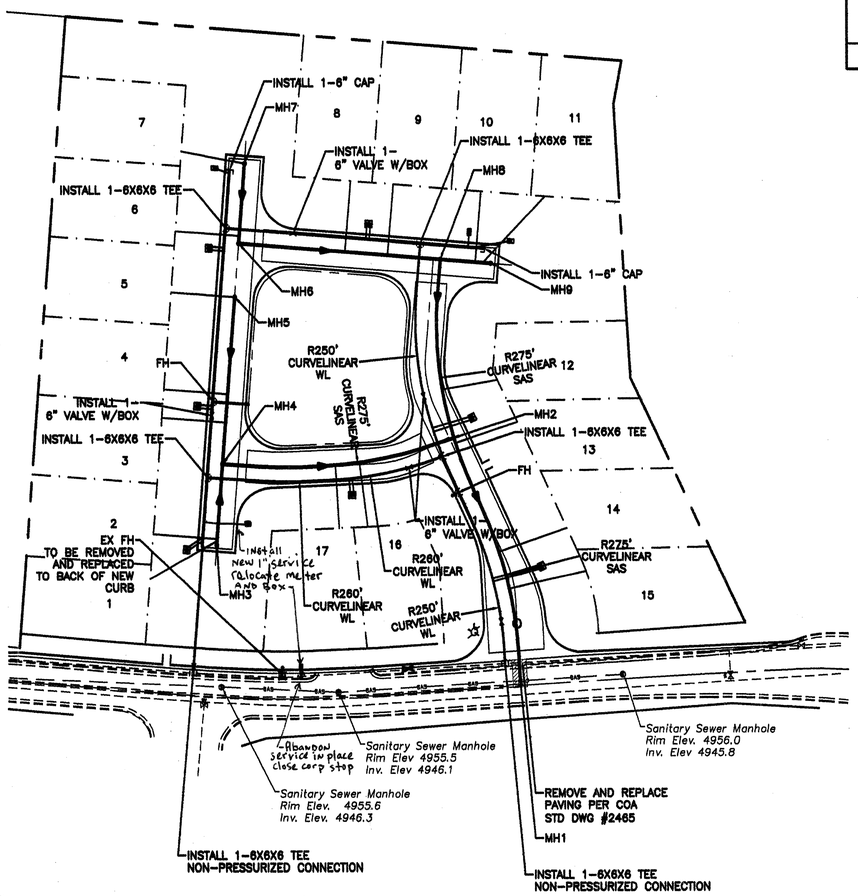
TYP. SANITARY SYSTEM SERVICE CONNECTION

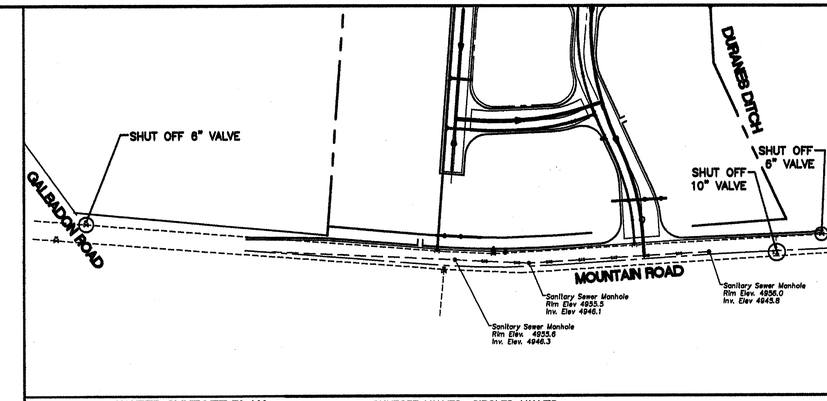
NTS



TYP. SANITARY SYSTEM WYE FITTING PLAN

NTS





WATER SHUTOFF PLAN: SHUTOFF VALVES: CIRCLED VALVES

WATER SHUTOFF NOTES:

1. ONLY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
2. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (PHONE 857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER SHUT OFF PLAN
3. APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.
4. SHUTOFF THE VALVES INDICATED IN THE PLAN ABOVE.

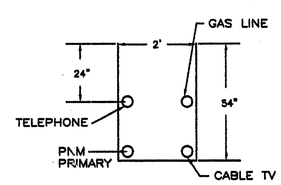
NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, INCLUDING UPDATES 1 THROUGH 7.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.
8. CONTRACTOR SHALL DETERMINE LOCATION OF ANY UNDERGROUND FACILITY IN OR NEAR WORK AREAS, INCLUDING REQUESTS TO OWNERS/OPERATORS OF SAID FACILITIES PER SECTION 62-14-5 NMSA 1978.
9. CONTRACTOR SHALL PLAN ALL EXCAVATION TO MINIMIZE INTERFERENCE OR DAMAGE OF UNDERGROUND FACILITIES.
10. CONTRACTOR SHALL PROVIDE ADVANCE TELEPHONE NOTICE OF COMMENCEMENT, EXTENT AND DURATION OF ALL EXCAVATION WORK TO THE ONE-CALL NOTIFICATION SYSTEM, OR TO OWNERS/OPERATORS OF ANY EXISTING UNDERGROUND FACILITY IN OR NEAR THE EXCAVATION AREA THAT ARE NOT MEMBERS OF THE ONE-CALL NOTIFICATION CENTER; IN ORDER THAT OWNERS/OPERATORS MAY LOCATE AND MARK UNDERGROUND FACILITY PER SECTION 62-14-5 NMSA 1978 PRIOR TO ANY COMMENCEMENT OF WORK. CONTRACTOR SHALL REQUEST REAFFIRMATION OF LOCATION EVERY TEN (10) WORKING DAYS AFTER INITIAL REQUEST.
11. CONTRACTOR SHALL MAINTAIN EIGHTEEN (18) INCHES BETWEEN EXISTING UNDERGROUND FACILITIES THAT HAVE BEEN PREVIOUSLY IDENTIFIED AND MARKED BY THE OWNERS/OPERATORS OF SAID FACILITIES. CUTTING EDGE OR POINT OF ANY MECHANICAL EXCAVATING EQUIPMENT UTILIZED IN EXCAVATION AREA WILL BE USED IN A MANNER NECESSARY TO PREVENT DAMAGE TO EXISTING UNDERGROUND FACILITIES.
12. CONTRACTOR SHALL PROVIDE SUPPORT FOR EXISTING UNDERGROUND FACILITIES IN OR NEAR EXCAVATION AREA AS NECESSARY TO PREVENT DAMAGE TO SAID FACILITIES.
13. CONTRACTOR SHALL BACKFILL ALL EXCAVATIONS IN A MANNER AND WITH MATERIALS AS MAY BE NECESSARY TO PREVENT DAMAGE TO AND PROVIDE RELIABLE SUPPORT DURING AND FOLLOWING BACK FILLING ACTIVITIES FOR PREEXISTING UNDERGROUND FACILITIES IN OR NEAR EXCAVATION AREA.
14. CONTRACTOR SHALL IMMEDIATELY NOTIFY BY TELEPHONE THE OWNER/OPERATOR OF ANY UNDERGROUND FACILITY WHICH MAY HAVE BEEN DAMAGED OR DISLODGED DURING EXCAVATION WORK.
15. CONTRACTOR SHALL NOT MOVE OR OBLITERATE MARKINGS MADE PURSUANT TO CHAPTER 62, ARTICLE 14 NMSA 1978, OR FABRICATE MARKINGS IN A UNMARKED LOCATION FOR THE PURPOSE OF CONCEALING OR AVOIDING LIABILITY FOR VIOLATION OF OR NONCOMPLIANCE WITH THE PROVISIONS OF CHAPTER 62, ARTICLE 11 NMSA 1978.
16. EMD'S SHALL BE INSTALLED ON WATER LINE AND SANITARY SEWER LINE FACILITIES PER SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS 1986 EDITION AS REVISED THROUGH UPDATE #7.
17. THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES, REFER TO SECTION 18 OF THE STANDARD SPECIFICATIONS.
18. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.6450 SUBPART P.

LEGEND

	EXISTING SAS MANHOLE
—EX. 8" SAS—	EXISTING SANITARY SEWER LINE
	PROPOSED SAS MANHOLE
	DIRECTION OF FLOW
—8" SAS—	PROPOSED SANITARY SEWER LINE
	SANITARY SEWER SERVICE LINE
	EXISTING VALVE W/BOX
	EXISTING FIRE HYDRANT
—EX. 10" WL—	EXISTING WATER LINE
	PROPOSED METER
	PROPOSED VALVE W/BOX
	PROPOSED FIRE HYDRANT
—8" WL—	PROPOSED WATER LINE
	WATER SERVICE LINE
	EXISTING CURB & GUTTER
	PROPOSED CURB & GUTTER
	BOUNDARY LINE
	EASEMENT
	PROPOSED SIDEWALK
	EXISTING SIDEWALK
	CENTERLINE
	RIGHT-OF-WAY
	LOT LINES
	STREET LIGHTS

AFD PLANS CHECKING OFFICE 924-3611 APPROVED DISAPPROVED APPLICANT(S) ONLY SIGNATURE & DATE 3/16/06



UTILITY TRENCH DETAIL

NTS

N

GRAPHIC SCALE

50 25 0 25 50

SCALE: 1"=50'

Certification

I CERTIFY THAT CHANGES SHOWN HEREON ARE BASED UPON A SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Will P. Rodney

AS BUILT INFORMATION — DATE — DATE — DATE — DATE — DATE

BENCH MARKS: ACS MONUEMENT CENTRAL STATION "12-J12" X=373,030.05 Y=1,490,286.04 DELTA/ALPHA=-00°14'39" ELEV=4952.597 NAVD 1929 G/G=0.99968162

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

ENGINEER'S SEAL — DAVID SOULE — NEW MEXICO — 7979 — REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN — DESIGNED BY: WCWJ — DATE: 1-03-06 — DRAWN BY: WCWJ — DATE: 1-03-06 — DRAWN NAME: 2518-DRC-12-21-05X.DWG — JOB NO.: 2518 — CHECKED BY: DS — DATE: 1-05-06

Rio Grande Engineering, 1809 CENTRAL AVENUE NE, SUITE 201, ALBUQUERQUE, NM 87106, (505) 976-7688

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

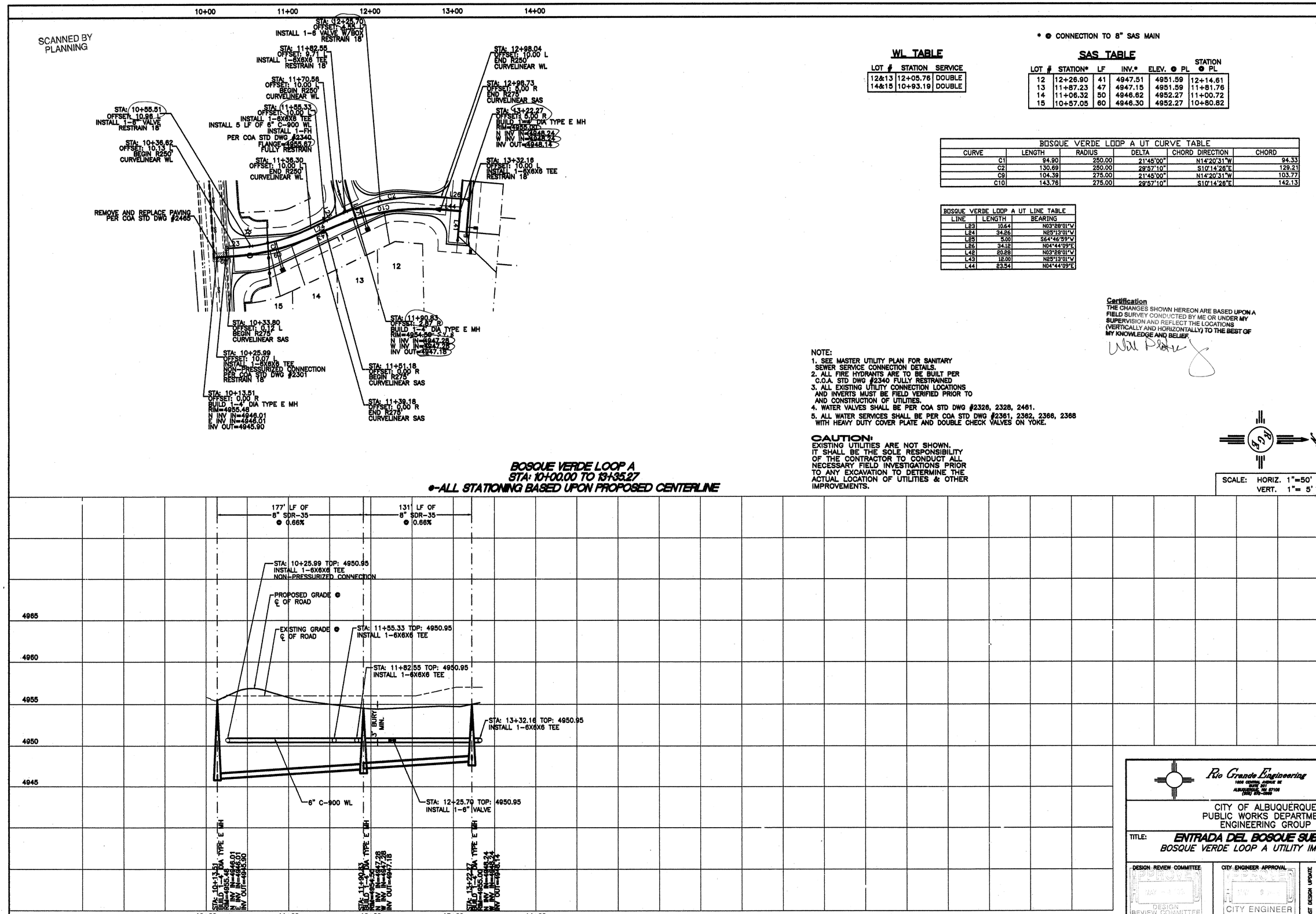
TITLE: **ENTRADA DEL BOSQUE SUBDIVISION**
MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVE MAY 4 1006 DESIGN REVIEW COMMITTEE	APPROVE MAR 9 2006 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
775281	J-12-Z	11	15

RECORD DRAWINGS

SCANNED BY PLANNING



WL TABLE

LOT #	STATION	SERVICE
12&13	12+05.76	DOUBLE
14&15	10+93.19	DOUBLE

* ⊕ CONNECTION TO 8" SAS MAIN

SAS TABLE

LOT #	STATION*	LF	INV.*	ELEV. ⊕ PL	STATION ⊕ PL
12	12+26.90	41	4947.51	4951.59	12+14.61
13	11+87.23	47	4947.15	4951.59	11+81.76
14	11+06.32	50	4946.62	4952.27	11+00.72
15	10+57.05	60	4946.30	4952.27	10+80.82

BOSQUE VERDE LOOP A UT CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD
C1	94.90	250.00	21°45'00"	N14°20'31"W	94.33
C2	130.69	250.00	29°57'10"	S10°14'26"E	129.21
C9	104.39	275.00	21°45'00"	N14°20'31"W	103.77
C10	143.76	275.00	29°57'10"	S10°14'26"E	142.13

BOSQUE VERDE LOOP A UT LINE TABLE

LINE	LENGTH	BEARING
L23	10.64	N03°28'01"W
L24	34.26	N25°13'01"W
L25	5.00	S64°46'59"W
L26	34.12	N04°44'09"E
L42	20.28	N03°28'01"W
L43	12.00	N25°13'01"W
L44	23.54	N04°44'09"E

Certification
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Will Plank

NOTE:
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 FULLY RESTRAINED
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
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CAUTION:
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SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

BOSQUE VERDE LOOP A
STA: 10+00.00 TO 13+35.27
⊕-ALL STATIONING BASED UPON PROPOSED CENTERLINE

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY Carlsbadian Surveys Inc. DATE 1/24/06
INSPECTOR'S ACCEPTANCE BY DATE
VERIFICATION BY Carlsbadian Surveys Inc. DATE AUG 8 A
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS MONUMENT CENTRAL STATION
"12-J12"
X=373,030.05
Y=1,490,286.04
DELTA/ALPHA=-00°14'39"
ELEV=4952.597 NAVD 1929
G/G=0.99966162

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DAVID SQUILE NEW MEXICO 14822 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: WCWJ DATE: 1-18-06
DRAWN BY: WCWJ DATE: 1-18-06
DRAWN NAME: 2518-DRC-12-21-05X.DWG JOB NO.: 2518
CHECKED BY: DS DATE: 1-19-06

Rio Grande Engineering
1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 976-1065

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

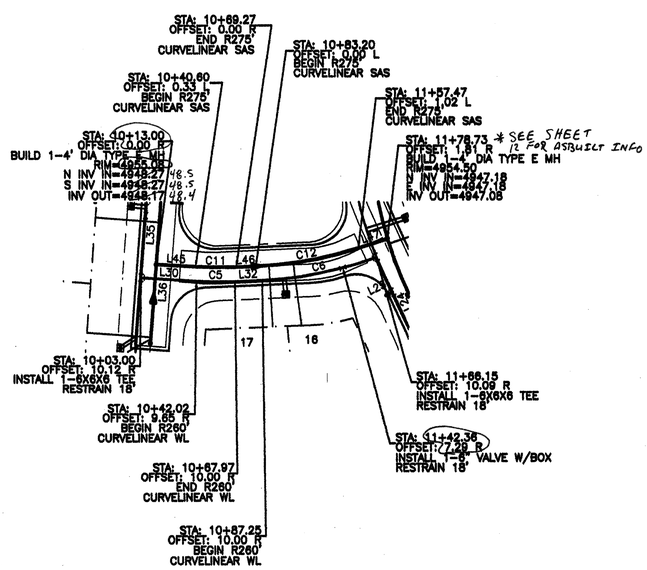
TITLE: ***ENTRADA DEL BOSQUE SUBDIVISION***
BOSQUE VERDE LOOP A UTILITY IMPROVEMENTS

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

CITY PROJECT NO. 775281 | ZONE MAP NO. J-12-Z | SHEET 12 OF 15

RECORD DRAWINGS

SCANNED BY PLANNING



WL TABLE

LOT #	STATION	SERVICE
16&17	11+01.62	DOUBLE

* ● CONNECTION TO 8" SAS MAIN

SAS TABLE

LOT #	STATION*	LF	INV.*	ELEV. ● PL	STATION ● PL
16	11+09.34	44	4947.74	4952.37	11+13.37
17	10+92.33	45	4947.85	4952.37	10+93.32

BOSQUE VERDE LOOP B UT CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD
C5	27.07	260.00	5°57'55"	S89°21'03"E	27.06
C6	82.13	260.00	18°05'55"	N78°37'02"E	81.79
C11	28.63	275.00	5°57'55"	S89°21'03"E	28.62
C12	73.37	275.00	15°17'11"	N80°01'24"E	73.15

BOSQUE VERDE LOOP B UT LINE TABLE

LINE	LENGTH	BEARING
L30	39.02	S86°22'05"E
L32	19.28	N87°40'00"E
L45	27.60	S86°22'05"E
L46	13.93	N87°40'00"E
L47	21.45	N72°22'49"E

Certification
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Will Pettey

NOTE:
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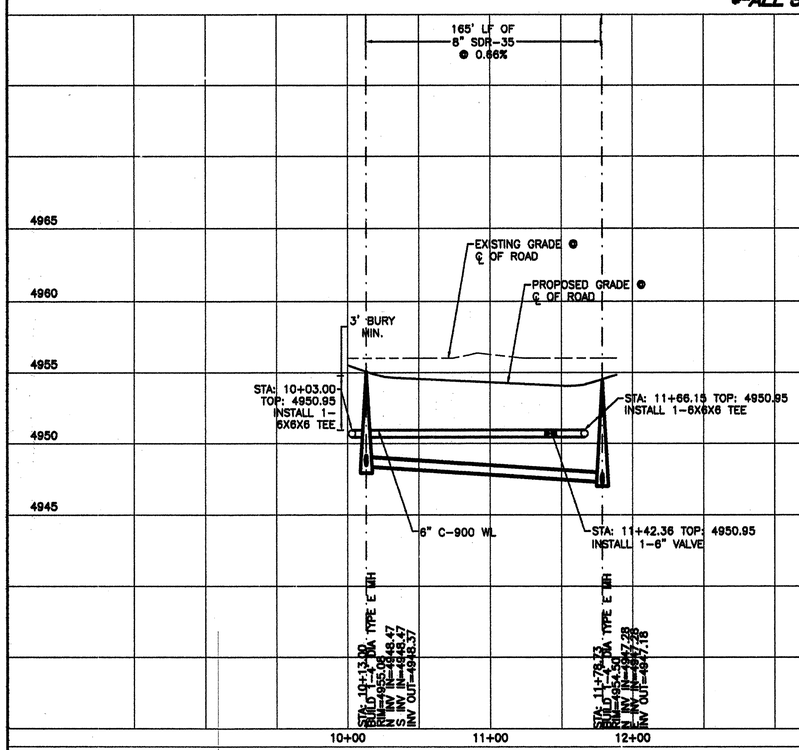
N

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

BOSQUE VERDE LOOP B
STA: 10+00.00 TO 11+88.86
●-ALL STATIONING BASED UPON PROPOSED CENTERLINE



AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY Carlesian Surveys Inc. DATE 0 0
STAKING CHECKS BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY Carlesian Surveys Inc. DATE 0 0
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
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X=373,030.05
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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
RICHARD SCHULTE
NEW MEXICO
14822
PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN
DESIGNED BY: WCWJ DATE: 1-18-06
DRAWN BY: WCWJ DATE: 1-18-06
DRAWN NAME: 2518-DRC-12-21-05X.DWG JOB NO.: 2518
CHECKED BY: DS DATE: 1-19-06

Rio Grande Engineering
1609 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 872-1999

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

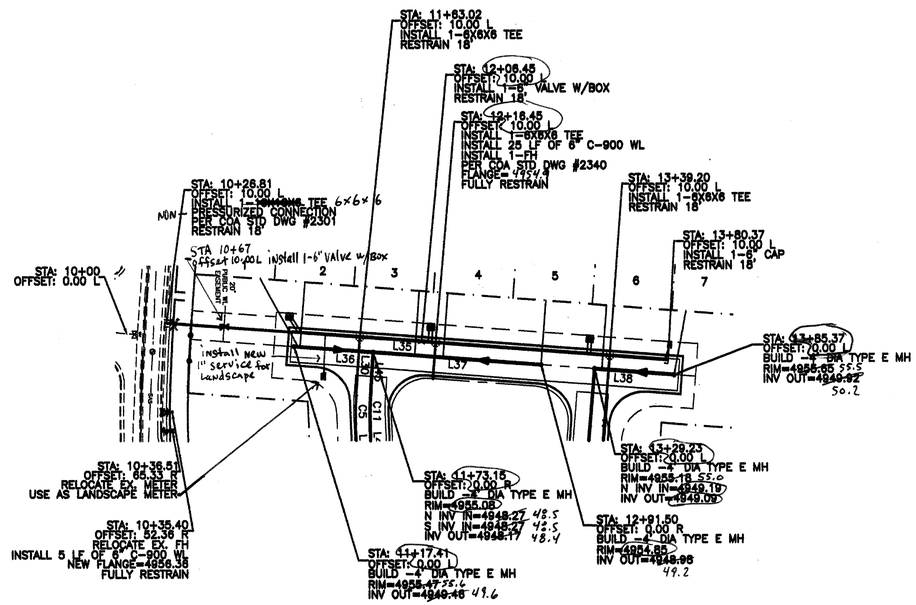
TITLE: ***ENTRADA DEL BOSQUE SUBDIVISION***
BOSQUE VERDE LOOP B UTILITY IMPROVEMENTS

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

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
775281	J-12-Z	13	15

RECORD DRAWINGS

SCANNED BY PLANNING



WL TABLE

LOT #	STATION	SERVICE
1&2	11+20.83	DOUBLE
3&4	12+12.37	DOUBLE
5&6	13+24.37	DOUBLE
7	13+78.03	SINGLE

* ● CONNECTION TO 8" SAS MAIN

SAS TABLE

LOT #	STATION*	LF	INV.*	ELEV. ● PL	STATION ● PL
1	11+20.37	63	4949.39	4952.21	10+90.37
2	11+21.70	51	4949.37	4952.21	11+21.70
3	12+02.37	45	4948.45	4951.76	12+02.37
4	12+22.37	45	4948.57	4951.76	12+22.37
+5	12+91.50	36	4949.31	4952.01	12+91.50
6	13+34.37	45	4949.26	4952.01	13+34.37
+7	13+85.37	45	4950.25	4952.41	13+90.37

+-LOTS 5 AND 7 SHALL BE INSTALLED IN MH PER COA STD DWG #2118

BOSQUE VERDE LOOP C UT LINE TABLE		
LINE	LENGTH	BEARING
L35	375.35	N04°19'22"E
L36	39.73	N04°19'22"E
L37	118.36	N04°19'22"E
L38	56.13	N04°19'22"E

Certification

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NOTE:

1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 FULLY RESTRAINED
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
4. WATER VALVES SHALL BE PER COA STD DWG #2326, 2328, 2461.
5. ALL WATER SERVICES SHALL BE PER COA STD DWG #2361, 2362, 2366, 2368 WITH HEAVY DUTY COVER PLATE AND DOUBLE CHECK VALVES ON YOKE.

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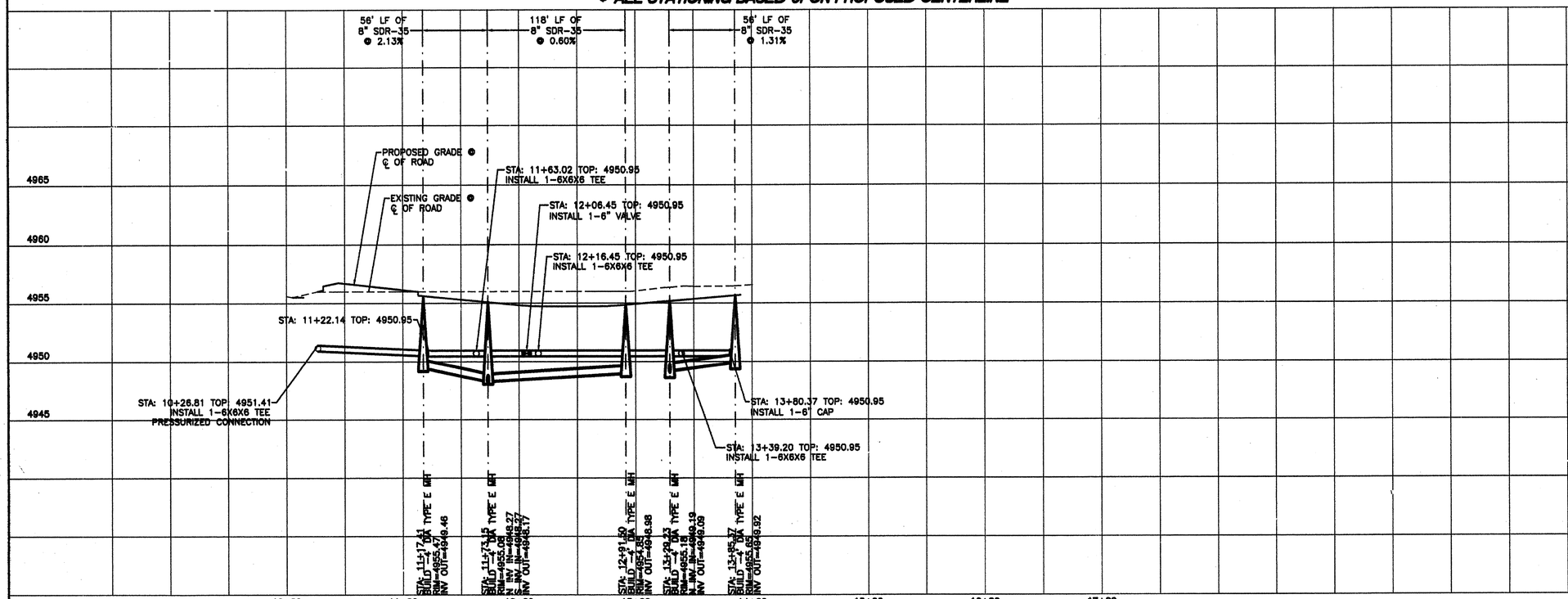
SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

BOSQUE VERDE LOOP C
STA: 10+00.00 TO 14+00.37
●-ALL STATIONING BASED UPON PROPOSED CENTERLINE



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

BENCH MARKS
ACS MONUMENT CENTRAL STATION
"12-J12"
X=373,030.05
Y=1,490,286.04
DELTA/ALPHA=-00°14'39"
ELEV=4952.597 NAVD 1929
G/G=0.9996162

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
DAVID SOULE NEW MEXICO 14822 PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: WCWJ DATE: 1-18-06
DRAWN BY: WCWJ DATE: 1-18-06
DRAWN NAME: 2518-DRC-12-21-05X.DWG JOB NO.: 2518
CHECKED BY: DS DATE: 1-19-06

Rio Grande Engineering
1606 CENTRAL AVENUE SE
SUITE 201
ALBUQUERQUE, NM 87106
(505) 924-0065

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

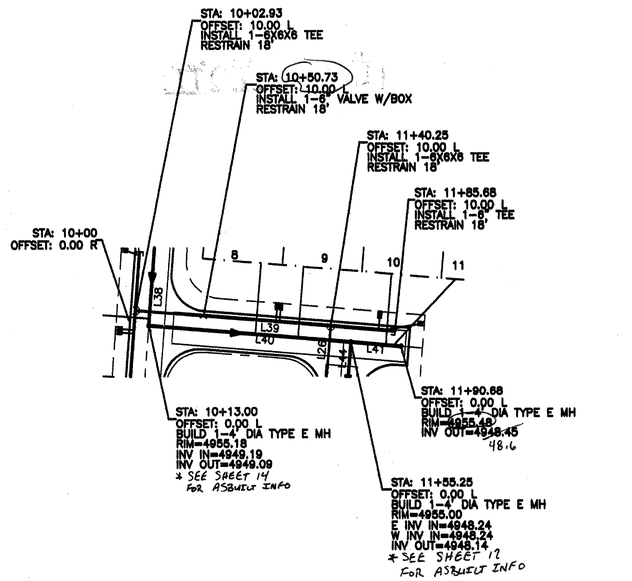
TITLE: **ENTRADA DEL BOSQUE SUBDIVISION**
BOSQUE VERDE LOOP C UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE — MAY 8 2006 — DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL — MAY 8 2006 — CITY ENGINEER
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 775281 | ZONE MAP NO. J-12-Z | SHEET 14 OF 15

RECORD DRAWINGS

SCANNED BY PLANNING



WL TABLE

LOT #	STATION	SERVICE
8&9	11+02.99	DOUBLE
10	11+73.97	SINGLE
11	11+76.47	SINGLE

* ● CONNECTION TO 8" SAS MAIN

SAS TABLE

LOT #	STATION*	LF	INV.*	ELEV. ● PL	STATION ● PL
8	10+87.99	50	4948.64	4952.53	10+87.99
9	11+17.99	50	4948.46	4952.53	11+17.99
10	11+79.82	54	4948.39	4952.53	11+79.82
11	11+85.29	64	4948.42	4952.53	12+25.02

BOSQUE VERDE LOOP D UT LINE TABLE		
LINE	LENGTH	BEARING
L39	182.75	S85°15'51"E
L40	142.25	S85°15'51"E
L41	35.43	S85°15'51"E

Certification
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Will Plotner

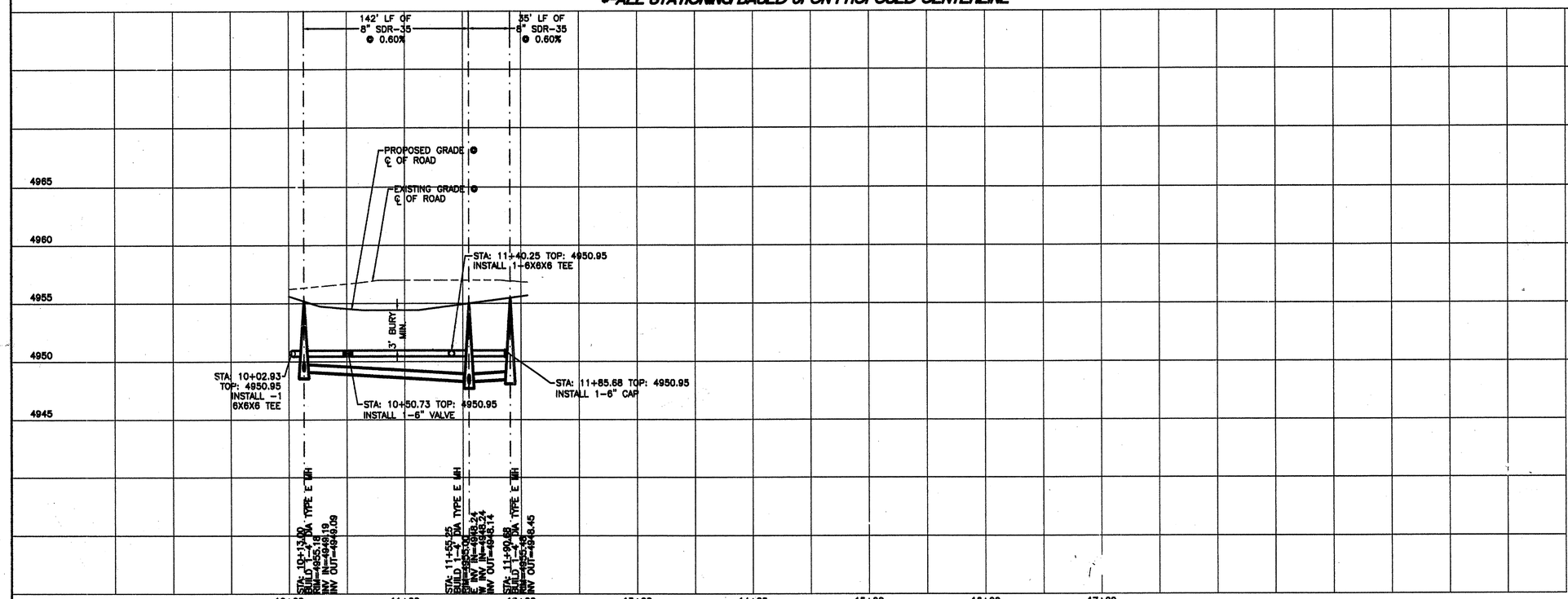
NOTE:
1. SEE MASTER UTILITY PLAN FOR SANITARY SEWER SERVICE CONNECTION DETAILS.
2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 FULLY RESTRAINED
3. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.
4. WATER VALVES SHALL BE PER COA STD DWG #2326, 2328, 2461.
5. ALL WATER SERVICES SHALL BE PER COA STD DWG #2361, 2362, 2366, 2368 WITH HEAVY DUTY COVER PLATE AND DOUBLE CHECK VALVES ON YOKE.

CAUTION:
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

N

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

BOSQUE VERDE LOOP D
STA: 10+00.00 TO 12+05.68
****-ALL STATIONING BASED UPON PROPOSED CENTERLINE***



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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DAVID SOULE
NEW MEXICO
14831
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
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DRAWN BY: WCWJ DATE: 1-18-06
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Rio Grande Engineering
1905 CENTRAL AVENUE SE
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ALBUQUERQUE, NM 87106
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CITY OF ALBUQUERQUE
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CITY PROJECT NO. 775281 | ZONE MAP NO. J-12-Z | SHEET 15 OF 15