PLANS FOR CONSTRUCTION OF

BLUEWATER ROAD NW

ALBUQUERQUE, NEW MEXICO

APRIL, 2001

SCANNED BY
MESA REPRO

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FOR INFORMATION ONLY
APPROVAL OF ~~RECORD DRAWINGS~~
CHIEF CONSTRUCTION ENGINEER
DATE 8/25/04

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR THE CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

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VICINITY MAP: K-9 SCALE: NTS

GENERAL NOTES:

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS." 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 STANDARD SPECIFICATIONS

2. THREE WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.

3. PRIOR TO ANY 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 THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.

4. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.

5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) WORKING DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF 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 MARKER 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.

6. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE STANDARD SPECIFICATIONS.

7. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOUR CONSTRUCTION.

8. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.

9. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED BY THE CONTRACTOR WITH HOT THERMOPLASTIC REFLECTORIZED PAVEMENT MARKING. ALL NEW STRIPING SHALL BE HOT THERMOPLASTIC REFLECTORIZED PAVEMENT MARKING.

10. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, WHEELCHAIR RAMPS AND SIDEWALKS DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER THE STANDARD SPECIFICATIONS AT HIS OWN EXPENSE.

11. EXISTING UTILITY LINES AND PIPELINES SHOWN ON THESE DRAWINGS ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. UTILITIES MAY EXIST WHERE NONE ARE SHOWN. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE OR TYPE OF EXISTING UTILITY LINES AND PIPELINES. THE CONTRACTOR IS FULLY RESPONSIBLE FOR DAMAGE CAUSED BY FAILURE TO LOCATE AND PRESERVE EXISTING UTILITY LINES AND PIPELINES.

12. THE CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

13. THE CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE OWNERS FOR THE PREPARATION OF "RECORD DRAWINGS." THE CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.

14. ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY AND PREPARED BY BRASHER AND LORENZ, INC.

15. THE CONTRACTOR SHALL DETERMINE IN ADVANCE OF HIS CONSTRUCTION IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

16. THE CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST THE OWNER. CABLE IS TO BE SUPPORTED EVERY 15 FEET (MINIMUM). CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.

17. 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.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	4-9		11-17-01				

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 6 6 3 8 . 8 1 6 4

DRB- 98-50

BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro NE Building 1 Suite 220
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

ENGINEERS STAMP & SIGNATURE

DENNIS A. LORENZ NEW MEXICO 9644 REGISTERED PROFESSIONAL ENGINEER
5-3-01

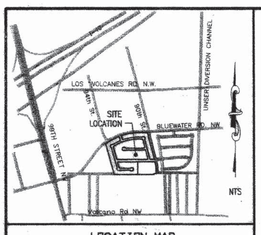
APPROVALS	ENGINEER	DATE
DRC Chairman		5-25-01
Transportation		5/14/01
Water/Wastewater		5/14/01
Hydrology		5/14/01
CIP		
Constr. Mngmt.		
Constr. Coord.		5-14-01

APPROVED FOR CONSTRUCTION

City Engineer — Date: Sept 20, 2001

CITY PROJECT NO. 663881

SHEET 1 OF 11



LOCATION MAP
ZONE ATLAS MAP NO. K-9-Z

SCANNED BY MESA REPRO

PLAT OF AVALON SUBDIVISION UNIT 2

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
JANUARY 1999

2000000065
0085937
Page 1 of 3
01/03/2000 09:09A
Judy D. Woodward Bern. Co. PLAT R 17.00 Bk-2000C Pg-1

SUBDIVISION DATA

1. CASE NO.: DRB-98-30
2. ZONE ATLAS INDEX NO.: K-9-Z
3. GROSS SUBDIVISION ACREAGE: 23.8729 ACRES
4. TOTAL NUMBER OF EXISTING LOTS: 1 TRACT
5. TOTAL NUMBER OF LOTS CREATED: 124 LOTS, 1 PARK SITE
6. DATE OF SURVEY: FEBRUARY 1999
7. TALBS LOG NO.: SP-9802-2614-050374
8. MILES OF FULL WIDTH STREETS CREATED: 0.773 MILES
9. TOTAL STREET R/W DEDICATION: 4.4770 ACRES
10. ZONING: R-LT

NOTES:

1. BEARINGS SHOWN ARE NEW MEXICO STATE PLANE GRID BEARINGS (CENTRAL ZONE).
2. DISTANCES ARE GROUND DISTANCES.
3. UNLESS OTHERWISE INDICATED, ALL PROPERTY CORNERS ARE MARKED WITH A P.K. NAIL W/SHINER, SCRIBED "X" IN CONCRETE OR AN IRON STAKE SURMOUNTED WITH A CAP STAMPED "P.S. 10464".
4. THE DATA SHOWN HEREON IS FROM AN ACTUAL FIELD SURVEY.
5. ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS, AND STREET INTERSECTIONS SHOWN THUS ⊕ AND WILL BE MARKED BY A FOUR INCH ("4") ALUMINUM CAP STAMPED "CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION, P.S. #10464.
6. * DESIGNATES LOT FRONT.
7. EACH LOT HAS A "P1" SUFFIX TO LOT NUMBER WHICH DESIGNATES SPECIAL ON-SITE PARKING CRITERIA WHICH JUSTIFIED THE CITY ALLOWING REDUCED STREET WIDTHS IN THIS SUBDIVISION, PER THE INTERMITTENT PARKING DESIGN CRITERIA OF THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL.
8. THE PURPOSE OF THIS PLAT IS TO SHOW THE DIVISION INTO NEW LOTS, DEDICATE PUBLIC STREETS AND GRANT PUBLIC UTILITY EASEMENTS.
9. CITY OF ALBUQUERQUE WATER AND SANITARY SEWER SERVICE TO AVALON SUBDIVISION, UNIT 2 MUST BE VERIFIED AND COORDINATED WITH THE PUBLIC WORKS DEPARTMENT, CITY OF ALBUQUERQUE.
10. THERE IS 10' PUBLIC UTILITY EASEMENT ALONG LOT LINES FRONTING PUBLIC RIGHTS OF WAY WHERE SHOWN "10' P.U.E."
11. NO ACCESS TO ANY LOTS IS ALLOWED FROM 90TH STREET N.W. AND BLUEWATER ROAD N.W.
12. THERE IS A 10' PRIVATE DRAINAGE EASEMENT (5' ON EACH SIDE) ALONG ALL COMMON SIDE YARD LOT LINES.

PUBLIC UTILITY EASEMENTS

PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF:

PNM ELECTRIC SERVICES FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF OVERHEAD AND UNDERGROUND ELECTRICAL LINES, TRANSFORMERS, POLES AND ANY OTHER EQUIPMENT, FIXTURES, STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICE.

PNM GAS SERVICES FOR INSTALLATION, MAINTENANCE, AND SERVICE OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS.

JONES INTERCABLE FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF SUCH LINES, CABLE, AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE TV SERVICE.

U.S. WEST FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF ALL BURIED AND AERIAL COMMUNICATION LINES AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE COMMUNICATION SERVICES, INCLUDING BUT NOT LIMITED TO ABOVE GROUND PEDESTALS AND CLOSURES.

INCLUDED IS THE RIGHT TO BUILD, CONSTRUCT, RECONSTRUCT, LOCATE, RELOCATE, CHANGE, REMOVE, MODIFY, RENEW, OPERATE, AND MAINTAIN FACILITIES FOR THE PURPOSES DESCRIBED ABOVE, TOGETHER WITH FREE ACCESS TO, FROM, AND OVER SAID EASEMENTS, INCLUDING SUFFICIENT WORKING AREA SPACE FOR ELECTRIC TRANSFORMERS, WITH THE RIGHT AND PRIVILEGE TO TRIM AND REMOVE TREES, SHRUBS OR BUSHES WHICH INTERFERE WITH THE PURPOSES SET FORTH HEREIN. NO BUILDING, SIGN, POOL (ABOVE GROUND OR SUBSURFACE), NOT TUB, CONCRETE OR WOOD POOL DECKING, OR OTHER STRUCTURE SHALL BE ERECTED OR CONSTRUCTED ON SAID EASEMENT NOR SHALL ANY WELL BE DRILLED OR OPERATED THEREON. PROPERTY OWNERS SHALL BE SOLELY RESPONSIBLE FOR CORRECTING ANY VIOLATIONS OF NATIONAL ELECTRICAL SAFETY CODE CAUSED BY CONSTRUCTION OF POOLS, DECKING, OR ANY OTHER STRUCTURES ADJACENT TO, WITHIN OR NEAR EASEMENTS SHOWN ON THIS PLAT.

PNM ELECTRIC/GAS SERVICES DISCLAIMER

IN APPROVING THIS PLAT, PNM ELECTRIC SERVICES AND GAS SERVICES (PNM) DID NOT CONDUCT A TITLE SEARCH OF THE PROPERTIES SHOWN HEREON. CONSEQUENTLY, PNM DOES NOT WAIVE NOR RELEASE ANY EASEMENT OR EASEMENT RIGHTS TO WHICH IT MAY BE ENTITLED.

LEGAL DESCRIPTION

SEE SHEET 3 OF 3 FOR METES AND BOUNDS LEGAL DESCRIPTION.

OWNER'S CERTIFICATE

THE SUBDIVISION SHOWN HEREON IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNER(S) AND/OR PROPRIETOR(S) THEREOF AND SAID OWNER(S) AND/OR PROPRIETOR(S) DO HEREBY DEDICATE ALL STREETS AND PUBLIC RIGHTS-OF-WAY SHOWN HEREON TO THE CITY OF ALBUQUERQUE IN FEE SIMPLE WITH WARRANTY COVENANTS AND DO HEREBY GRANT ALL ACCESS, UTILITY AND DRAINAGE EASEMENTS SHOWN HEREON. SAID OWNER(S) AND/OR PROPRIETOR(S) DO HEREBY CONSENT TO ALL OF THE FOREGOING AND DO HEREBY CERTIFY THAT THIS SUBDIVISION IS THEIR FREE ACT AND DEED.

BY: Charles A. Haeglin — 3-18-99
CHARLES A. HAEGLIN — DATE
CURB Inc.

ACKNOWLEDGMENT

STATE OF New Mexico)
)ss.
COUNTY OF Bernalillo)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON THE 18th DAY OF March, 1999, BY Charles A. Haeglin, President of Curb, Inc.

MY COMMISSION EXPIRES: _____ Mary S. Strickman
NOTARY PUBLIC

OFFICIAL SEAL
MARY S. STRICKMAN
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires: 3-9-2003

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON UPC#: 5-UPC Codes See Tax Certificate

PROPERTY OWNER OF RECORD: Curb Inc NM Corp.

BERNALILLO COUNTY TREASURER'S OFFICE: Arthur Kavanaugh 01/03/2000

APPROVED AND ACCEPTED BY:

S# 99-133
SUBDIVISION PLAT NO. — CITY — COUNTY

DIRECTOR, DEVELOPMENT REVIEW BOARD — 12/20/99 DATE

CITY ENGINEER — 11-3-99

A.M.A.F.C.A. — 11-3-99

TRAFFIC ENGINEER — 11-02-99

Bradley S. Bingham
UTILITIES DEVELOPMENT DIVISION — 11-02-99

CITY OF ALBUQUERQUE PUBLIC WORKS

Janet Saiers — 12-17-99
PARKS & RECREATION DEPARTMENT — Recreation

PROPERTY MANAGEMENT — 12-20-99

CITY SURVEYOR — 010899

PNM ELECTRIC SERVICES — 4-5-99

PNM GAS SERVICES — 4-5-99

Catherine Schroeder — 04-01-99
U.S. WEST COMMUNICATIONS

Vicki Watson — 4-6-99
JONES INTERCABLE, INC.

SURVEYOR'S CERTIFICATION

I, VLADIMIR JIRIK, A DULY QUALIFIED PROFESSIONAL SURVEYOR REGISTERED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, SHOWS ALL EASEMENTS MADE KNOWN TO ME BY THE OWNER, UTILITY COMPANIES OR OTHER PARTIES EXPRESSING AN INTEREST AND THAT THE SURVEY MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE CITY OF ALBUQUERQUE SUBDIVISION ORDINANCE AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Vladimir Jirik — 3/17/99
VLADIMIR JIRIK, NMPS NO. 10464 — DATE

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO NO. 10464 VLADIMIR JIRIK

SHEET 1 OF 3

1139P-4B

Plat & Survey By:
ALBUQUERQUE SURVEYING CO. INC., 2119 Menaul Blvd. N.E., Albuquerque, New Mexico 87107, Ph. (505) 884-2036

PLAT OF AVALON SUBDIVISION UNIT 2

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
JANUARY 1999

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0085937
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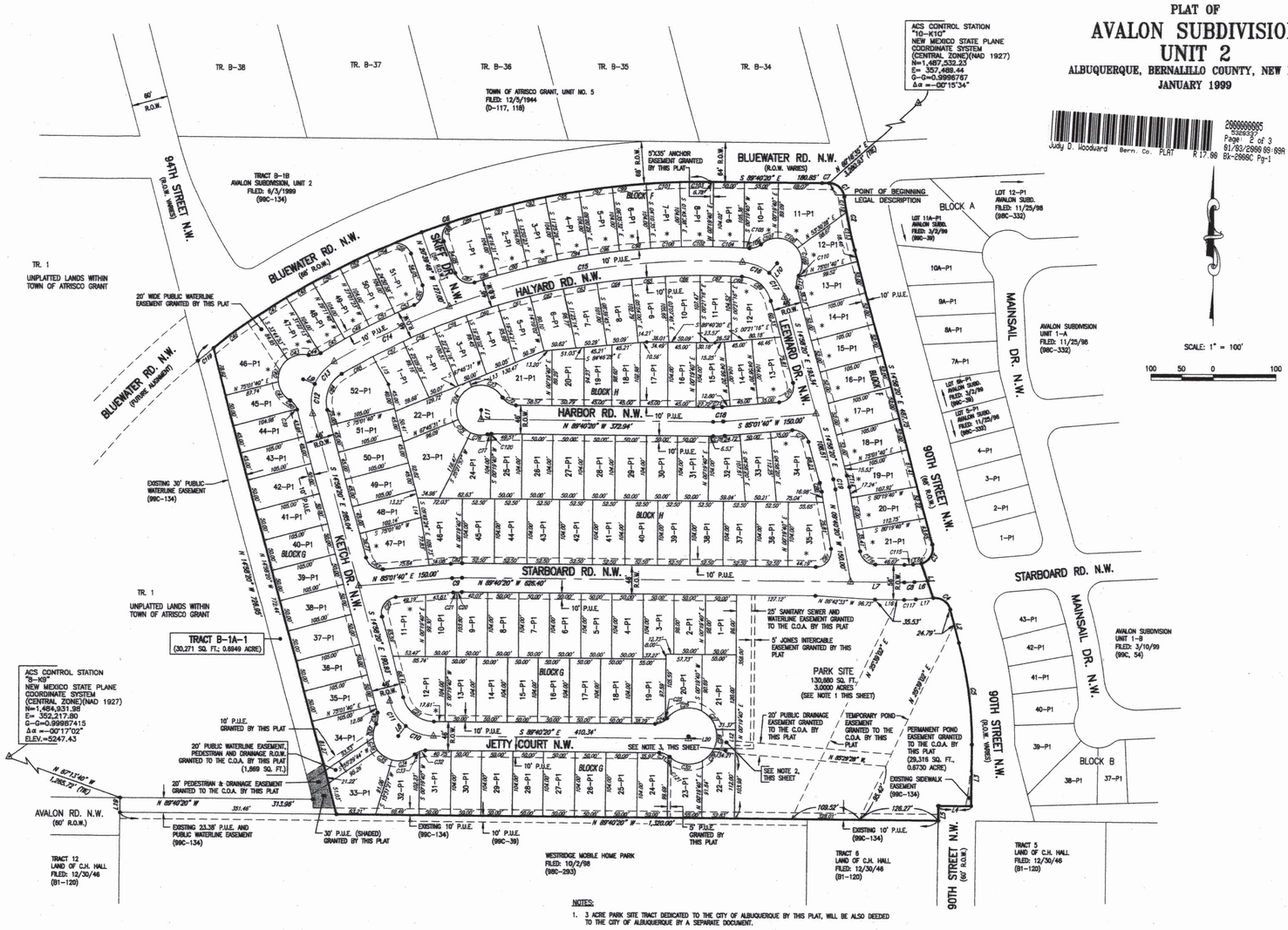
01/03/2000 09:09A
Judy D. Woodward Bern. Co. PLAT R 17.00 Bk-2000C Pg-1



NOTES:

1. 3 ACRE PARK SITE TRACT DEDICATED TO THE CITY OF ALBUQUERQUE BY THIS PLAT, WILL BE ALSO DEEDED TO THE CITY OF ALBUQUERQUE BY A SEPARATE DOCUMENT.
2. ... & SANITARY SEWER EASEMENT (NORTHERLY 25'), PUBLIC DRAINAGE & PEDESTRIAN R.O.W. (30' WIDE, 931 SQ. FT.) GRANTED TO THE C.O.A. BY THIS PLAT, JONES INTERCABLE EASEMENT (SOUTHERLY 5') GRANTED BY THIS PLAT.
3. PUBLIC DRAINAGE EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE BY THIS PLAT.

SHEET 2

Plat & Survey By:
ALBUQUERQUE SURVEYING CO. INC., 2119 Menaul Blvd. N.E., Albuquerque, New Mexico 87107, Ph. (505) 884-2036

SHEET 2 OF 3

1139P-4E

SCANNED BY
MESA REPRO

Judy D. Woodward Bern. Co. PLAT R 17.00 200000005 538623 Page 3 of 3 01/03/2000 09:09A B3-2666C Pg-1

PLAT OF

AVALON SUBDIVISION UNIT 2

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
JANUARY 1999

LEGAL DESCRIPTION

BEING THAT CERTAIN PARCEL OF LAND SITUATED WITHIN THE TOWN OF ATRISCO GRANT, WITHIN SECTION 21 (AS PROJECTED), TOWNSHIP 10 NORTH, RANGE 2 EAST, NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, BEING IDENTIFIED AS TRACT B-1A, AVALON SUBDIVISION, UNIT 2, FILED IN THE OFFICE OF THE COUNTY CLERK, BERNALILLO COUNTY, NEW MEXICO, ON JUNE 3, 1999, IN VOLUME 99C, FOLIO 134, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF THE PARCEL OF LAND HEREIN DESCRIBED BEING A POINT AT THE INTERSECTION OF THE SOUTHERLY RIGHT-OF-WAY LINE OF BLUEWATER ROAD NW AND THE WESTERLY RIGHT-OF-WAY LINE OF 90TH STREET NW AND A POINT OF REVERSE CURVATURE, WHENCE THE ACS CONTROL STATION "10-K10" BEARS N 60°18'35" E, 3,280.93 FEET DISTANCE; THENCE,

SOUTHEASTERLY, 36.23 FEET DISTANCE ALONG THE ARC OF A CURVE BEARING TO THE RIGHT (SAID ARC HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 83°01'43" AND A CHORD WHICH BEARS S 49°09'24" E, 33.14 FEET DISTANCE) TO THE POINT OF REVERSE CURVATURE; THENCE,

SOUTHEASTERLY, 87.51 FEET DISTANCE ALONG THE ARC OF A CURVE BEARING TO THE LEFT (SAID ARC HAVING A RADIUS OF 684.00 FEET, A CENTRAL ANGLE OF 07°19'48" AND A CHORD WHICH BEARS S 11°18'26" E, 87.45 FEET DISTANCE) TO THE POINT OF TANGENCY; THENCE,

S 14°58'20" E, 487.75 FEET DISTANCE TO THE POINT OF CURVATURE; THENCE,

SOUTHWESTERLY, 39.27 FEET DISTANCE ALONG THE ARC OF A CURVE BEARING TO THE RIGHT (SAID ARC HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°00'00" AND A CHORD WHICH BEARS S 30°01'40" W, 35.36 FEET DISTANCE) TO A POINT; THENCE,

S 15°15'06" E, 58.18 FEET DISTANCE TO A POINT ON CURVE; THENCE,

SOUTHEASTERLY, 34.91 FEET DISTANCE ALONG THE ARC OF A CURVE BEARING TO THE RIGHT (SAID ARC HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 80°00'00" AND A CHORD WHICH BEARS S 34°58'20" E, 32.14 FEET DISTANCE) TO THE POINT OF TANGENCY; THENCE,

S 14°58'20" E, 55.14 FEET DISTANCE TO THE POINT OF CURVATURE; THENCE,

SOUTHEASTERLY, 164.49 FEET DISTANCE ALONG THE ARC OF A CURVE BEARING TO THE RIGHT (SAID ARC HAVING A RADIUS OF 616.00 FEET, A CENTRAL ANGLE OF 15°18'00" AND A CHORD WHICH BEARS S 07°19'20" E, 164.01 FEET DISTANCE) TO THE POINT OF TANGENCY; THENCE,

S 00°19'40" W, 99.07 FEET DISTANCE TO THE SOUTHEAST CORNER OF THE PARCEL OF LAND HEREIN DESCRIBED; THENCE,

N 89°40'20" W, 52.28 FEET DISTANCE TO A POINT; THENCE,

S 00°19'40" W, 23.38 FEET DISTANCE TO A POINT AT THE INTERSECTION OF THE WESTERLY RIGHT-OF-WAY LINE OF 90TH STREET AND THE SOUTHERLY LINE OF VACATED AVALON ROAD NW (VACATION V-98-57); THENCE,

N 89°40'20" W, 1,320.00 FEET DISTANCE TO THE SOUTHWEST CORNER OF THE PARCEL OF LAND HEREIN DESCRIBED BEING A POINT AT THE INTERSECTION OF THE SOUTHERLY LINE OF VACATED AVALON ROAD NW (VACATION V-98-57) AND THE EASTERLY TERMINUS OF EXISTING 60' AVALON ROAD NW RIGHT-OF-WAY; THENCE,

N 00°19'40" E, 23.38 FEET DISTANCE TO A POINT; THENCE,

S 89°40'20" E, 313.96 FEET DISTANCE TO A POINT AT THE INTERSECTION OF THE NORTHERLY LINE OF VACATED AVALON ROAD NW (VACATION V-98-57) AND THE WESTERLY LINE OF VACATED 94TH STREET NW (VACATION V-98-57); THENCE,

N 14°58'20" W, 726.95 FEET DISTANCE TO THE NORTHWEST CORNER OF THE PARCEL OF LAND HEREIN DESCRIBED BEING A POINT AT THE INTERSECTION OF THE WESTERLY LINE OF VACATED 94TH STREET NW (VACATION V-98-57) AND THE SOUTHERLY RIGHT-OF-WAY LINE OF RELOCATED BLUEWATER ROAD NW AND A POINT ON CURVE; THENCE,

NORTHEASTERLY, 899.97 FEET DISTANCE ALONG THE ARC OF A CURVE BEARING TO THE RIGHT (SAID ARC HAVING A RADIUS OF 1,290.17 FEET, A CENTRAL ANGLE OF 39°31'04" AND A CHORD WHICH BEARS N 70°33'58" E, 872.43 FEET DISTANCE) TO THE POINT OF TANGENCY; THENCE,

S 89°40'20" E, 180.85 FEET DISTANCE TO THE POINT OF CURVATURE; THENCE,

NORTHEASTERLY, 11.92 FEET DISTANCE ALONG THE ARC OF A CURVE BEARING TO THE LEFT (SAID ARC HAVING A RADIUS OF 684.00 FEET, A CENTRAL ANGLE OF 00°59'55" AND A CHORD WHICH BEARS N 89°49'42" E, 11.92 FEET DISTANCE) TO THE NORTHEAST CORNER AND POINT OF BEGINNING OF THE PARCEL OF LAND HEREIN DESCRIBED AND CONTAINING 1,039,947 SQUARE FEET (23.8739 ACRES), MORE OR LESS.

CURVE TABLE

CURVE	LENGTH(')	DELTA	RADIUS(')	CHORD BRNG.	CHORD(')
C1	36.23	83°01'43"	25.00	S 49°09'24" E	33.14
C2	87.51	07°19'48"	684.00	S 11°18'26" E	87.45
C3	39.27	90°00'00"	25.00	S 30°01'40" W	35.36
C4	34.91	80°00'00"	25.00	S 54°58'20" E	32.14
C5	164.49	15°18'00"	616.00	S 07°19'20" E	164.01
C6	899.97	39°31'04"	1290.17	N 70°33'58" E	872.43
C7	11.92	00°59'55"	684.00	N 89°49'42" E	11.92
C8	16.65	05°18'00"	180.00	S 87°49'40" W	16.64
C9	16.65	05°18'00"	180.00	N 87°49'40" E	16.64
C10	46.89	37°21'00"	75.00	N 70°59'50" W	46.03
C11	46.89	37°21'00"	75.00	S 33°38'50" E	46.03
C12	46.56	37°03'34"	75.00	N 03°34'37" E	47.73
C13	46.56	37°03'34"	75.00	S 40°40'31" W	47.73
C14	205.29	10°06'44"	1163.17	N 64°15'50" E	205.02
C15	481.15	23°42'03"	1163.17	S 81°11'13" W	477.73
C16	47.12	35°59'42"	75.00	S 68°35'54" E	46.35
C17	47.12	35°59'42"	75.00	N 32°58'12" W	46.35
C18	16.65	05°18'00"	180.00	S 87°49'40" W	16.64
C19	16.65	05°18'00"	180.00	N 17°19'20" W	16.64
C20	7.93	02°53'37"	157.00	S 85°53'08" W	7.93
C21	6.59	02°24'37"	157.00	N 88°13'11" E	6.59
C22	43.63	100°00'00"	25.00	S 35°01'40" W	38.30
C23	67.80	74°42'00"	52.00	S 32°19'20" E	63.08
C24	18.30	41°07'07"	25.00	S 69°21'05" W	17.90
C25	3.97	09°06'12"	25.00	S 43°40'37" W	3.97
C26	60.82	77°26'35"	45.00	S 77°59'39" W	56.30
C27	38.65	49°27'48"	45.00	N 38°31'05" W	37.65
C28	30.73	39°07'24"	45.00	N 09°45'27" E	30.13
C29	37.69	39°30'29"	45.00	N 47°03'34" E	37.44
C30	58.18	71°32'30"	45.00	S 83°33'07" E	53.61
C31	14.90	34°08'14"	25.00	S 72°35'39" E	14.68
C32	9.49	21°42'59"	25.00	S 79°28'10" W	9.43
C33	9.37	21°31'29"	25.00	N 57°55'56" E	9.37
C34	40.68	58°16'02"	40.00	S 79°23'30" W	38.92
C35	27.91	39°58'33"	40.00	S 54°39'50" E	27.34
C36	20.94	30°00'33"	40.00	N 19°30'12" W	20.71
C37	32.78	35°36'31"	40.00	S 11°47'56" W	32.46
C38	18.79	47°04'39"	25.00	S 06°03'54" W	18.38
C39	1.02	02°19'47"	25.00	N 16°07'04" W	1.02
C40	17.92	41°04'10"	25.00	S 37°56'16" E	17.54
C41	36.68	52°32'34"	40.00	N 32°06'00" W	35.41
C42	40.21	57°35'28"	40.00	N 22°57'56" E	38.53
C43	35.57	50°56'45"	40.00	S 77°41'07" W	34.41
C44	19.23	44°04'40"	25.00	S 80°40'07" W	18.76
C45	43.00	60°10'25"	1186.17	N 59°43'57" E	43.00
C46	86.93	03°59'11"	1290.17	N 54°13'18" E	86.93
C47	53.54	02°22'39"	1290.17	N 57°28'29" E	53.54
C48	48.95	02°10'25"	1290.17	N 59°43'57" E	48.94
C49	43.00	02°10'25"	1186.17	N 61°53'25" E	43.00
C50	48.95	02°10'25"	1290.17	N 61°53'25" E	48.94
C51	43.00	02°10'25"	1186.17	S 64°03'50" W	43.00
C52	48.95	02°10'25"	1290.17	S 64°03'50" W	48.94
C53	34.74	01°40'41"	1186.17	S 62°59'26" W	34.74
C54	40.80	01°47'38"	1290.17	S 66°02'38" W	40.11
C55	38.18	87°39'31"	25.00	S 23°04'37" W	34.57
C56	40.32	92°24'03"	25.00	S 68°51'50" E	36.09
C57	54.08	02°43'01"	1140.17	S 63°38'50" W	54.08
C58	54.85	02°45'34"	1140.17	S 66°11'31" W	54.85
C59	54.80	02°45'14"	1140.17	S 68°56'51" W	54.79
C60	54.52	02°44'11"	1140.17	S 71°41'18" W	54.47
C61	54.50	02°44'13"	1140.17	S 74°27'48" W	54.49
C62	54.66	02°44'48"	1140.17	S 77°13'32" W	54.65
C63	54.98	02°45'39"	1140.17	S 79°57'35" W	54.98
C64	54.98	02°45'48"	1140.17	S 82°43'07" W	54.97
C65	55.13	02°46'13"	1140.17	S 85°29'07" W	55.13
C66	55.22	02°46'31"	1140.17	S 88°15'29" W	55.22
C67	50.02	02°30'48"	1140.17	S 89°08'53" E	50.01
C68	17.48	00°52'42"	1140.17	N 87°37'59" W	17.48
C69	63.34	71°39'35"	50.00	S 50°58'03" E	61.12
C70	43.61	100°00'00"	25.00	N 35°01'40" E	38.30

CURVE TABLE

CURVE	LENGTH(')	DELTA	RADIUS(')	CHORD BRNG.	CHORD(')
C71	14.52	05°18'00"	157.00	N 87°40'40" E	14.52
C72	25.85	59°13'59"	25.00	S 80°03'49" E	24.72
C73	57.13	81°49'11"	40.00	N 71°19'53" W	52.39
C74	62.83	90°00'00"	40.00	S 29°43'31" W	56.57
C75	28.60	40°33'34"	40.00	N 43°59'18" W	28.01
C76	27.39	40°05'59"	40.00	N 84°41'03" W	27.43
C77	6.09	13°57'03"	25.00	N 82°11'50" W	6.07
C78	16.78	05°18'00"	203.00	N 87°40'40" E	16.77
C79	34.91	80°00'00"	25.00	S 54°58'20" E	32.14
C80	14.52	05°18'00"	157.00	N 12°19'20" W	14.52
C81	43.63	100°00'00"	25.00	S 60°19'40" W	38.30
C82	16.78	05°18'00"	203.00	S 87°40'40" W	16.77
C83	34.91	80°00'00"	25.00	N 54°58'20" W	32.14
C84	67.34	74°11'49"	52.00	S 37°07'34" W	62.73
C85	57.87	02°53'52"	1140.17	N 80°40'22" E	57.86
C86	38.93	01°52'48"	1186.17	N 72°47'05" E	38.92
C87	38.18	87°39'31"	25.00	S 64°24'34" E	34.57
C88	40.32	92°24'03"	25.00	S 25°32'13" W	36.09
C89	44.74	01°59'11"	1290.17	N 72°43'52" E	44.74
C90	50.42	02°26'18"	1186.17	S 74°56'33" W	50.42
C91	54.84	02°28'08"	1290.17	S 74°56'33" W	54.84
C92	50.01	02°24'37"	1186.17	S 77°22'05" W	50.01
C93	54.40	02°24'37"	1290.17	S 77°22'05" W	54.40
C94	50.01	02°24'37"	1186.17	S 79°47'02" W	50.01
C95	54.40	02°24'37"	1290.17	S 79°47'02" W	54.40
C96	50.01	02°24'37"	1186.17	S 82°11'39" W	50.01
C97	54.40	02°24'37"	1290.17	S 82°11'39" W	54.40
C98	50.01	02°24'37"	1186.17	S 84°36'37" W	50.01
C99	54.40	02°24'37"	1290.17	S 84°36'37" W	54.40
C100	50.01	02°24'37"	1186.17	S 87°01'34" W	50.01
C101	54.40	02°24'37"	1290.17	S 87°01'34" W	54.40
C102	50.01	02°24'37"	1186.17	S 89°26'31" W	50.01
C103	47.02	02°02'18"	1290.17	S 89°17'11" W	47.02
C104	50.02	02°24'58"	1186.17	S 88°08'11" E	50.02
C105	8.09	00°26'21"	1186.17	N 86°43'32" W	8.09
C106	19.77	45°18'16"	25.00	S 70°51'31" W	19.26
C107	30.34	43°27'42"	40.00	N 69°56'10" E	29.63
C108	36.19	51°50'23"	40.00	N 62°24'40" W	34.97
C109	46.29	66°17'53"	40.00	S 03°30'34" E	43.76
C110	2.66	06°03'46"	25.00	S 86°45'44" W	2.66
C111	16.88	38°41'05"	25.00	N 09°28'11" E	16.56
C113	24.86	02°04'53"	684.00	S 08°41'00" E	24.85
C113	62.65	05°14'53"	684.00	N 12°20'54" W	62.63
C114	18.78	05°18'00"	203.00	N 12°19'20" W	18.77
C115	14.06	05°18'00"	152.00	N 87°40'40" E	14.06
C116	34.91	80°00'00"	25.00	S 49°40'20" E	32.14
C117	18.24	05°18'00"	206.00	N 87°40'40" E	18.23
C118	94.49	08°47'08"	616.30	S 04°48'18" W	94.40
C119	32.71	01°27'12"	1290.17	S 51°11'31" W	32.71
C120	0.49	01°08'55"	25.00	S 89°43'47" E	0.49
C121	3.44	07°52'48"	25.00	S 51°35'14" E	3.44

LINE TABLE

LINE	BEARING	DISTANCE(')
L1	S 19°15'06" E	58.18
L2	S 14°58'20" E	35.14
L3	S 00°19'40" W	99.07
L4	N 89°40'20" W	52.28
L5	S 00°19'40" W	23.38
L6	N 89°01'49" E	20.87
L7	S 89°40'20" E	86.06
L8	S 37°49'40" W	20.00
L9	N 67°52'26" W	30.00
L10	N 38°07'53" E	20.00
L11	N 00°19'40" E	14.77
L12	S 00°19'40" W	30.00
L13	N 22°14'39" W	10.00
L14	N 89°49'34" W	31.90
L15	N 27°53'40" W	50.61
L16	S 89°40'20" E	17.67
L16	N 89°40'20" W	46.67
L17	N 85°01'49" E	28.00
L18	S 89°12'53" W	5.02
L19	N 00°19'40" E	23.38
L20	N 00°19'40" E	4.00

LOT AREAS—BLOCK F

LOT NO.	LOT AREA (sq.ft.)
1	5985
2	5474
3	5430
4	5430
5	5430
6	5430
7	5430
8	5389
9	5228
10	5407
11	5632
12	5613
13	5453
14	5460
15	5460
16	5460
17	5460
18	5460
19	5971
20	5713
21	7287

LOT AREAS—BLOCK G

LOT NO.	LOT AREA (sq.ft.)
1	4800
2	4800
3	5086
4	5200
5	5200
6	5200
7	5200
8	5200
9	5189
10	5081
11	6185
12	7100
13	5200
14	5200
15	5200
16	5200
17	5200
18	5200
19	5486
20	5223
21	6149
22	5995
23	4918
24	5181
25	5200
26	5200
27	5200
28	5200
29	5200
30	5200
31	5195
32	5188
33	5187
34	5531
35	5250
36	5250
37	5250
38	5250
39	5250
40	5250
41	5250
42	5250
43	5250
44	5250
45	5310
46	5446
47	4797
48	4885
49	4885
50	4885
51	6227

LOT AREAS—BLOCK H

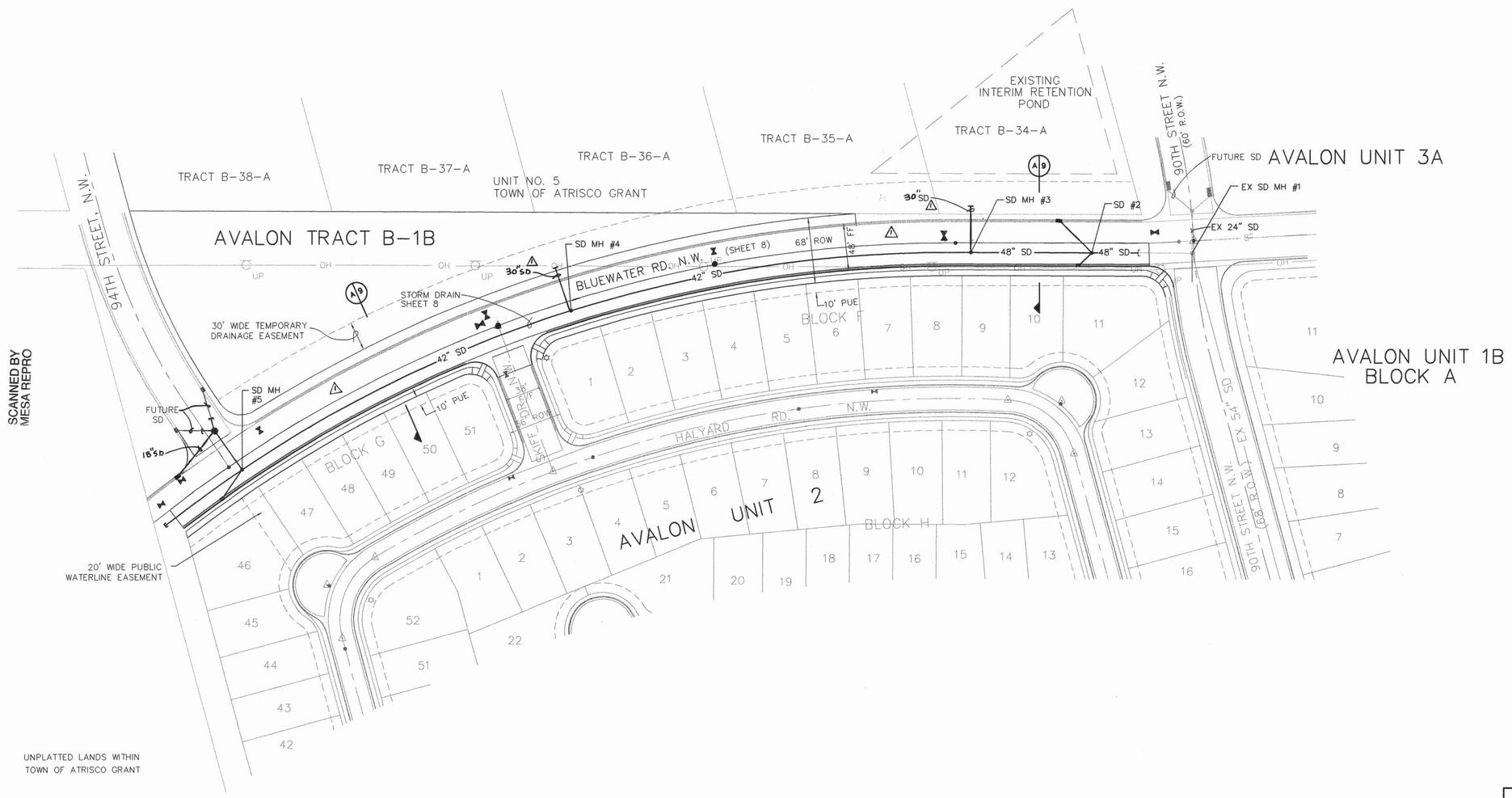
LOT NO.	LOT AREA (sq.ft.)
1	5272
2	5247
3	5249
4	5118
5	4874
6	4906
7	5022
8	5302
9	5468
10	5620
11	5338
12	5484
13	5586
14	4880
15	5224
16	4880
17	4875
18	4536
19	4339
20	4860
21	7139
22	5385
23	8152
24	8630
25	5200
26	5200
27	5200
28	5200
29	5200
30	5200
31	5200
32	5177
33	5487
34	7248
35	5245
36	5480
37	5480
38	5480
39	5480
40	5480
41	5480
42	5480
43	5480
44	5480
45	5480
46	5480
47	8761
48	4880
49	4725
50	4725
51	4725
52	7678

SHEET 3

Plat & Survey By:
ALBUQUERQUE SURVEYING CO. INC., 2119 Menaul Blvd. N.E., Albuquerque, New Mexico 87107, Ph. (505) 884-2036

SHEET 3 OF 3

1136P-4E



LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	6" W	6" W
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	36" SD	24" SD
FIRE HYDRANT		
VALVE		
WATER SERVICE (SINGLE)		
WATER SERVICE (DOUBLE)		
MANHOLE		
MOUNTABLE CURB		
STD CURB & GUTTER		
DROP INLET		
OVERHEAD ELEC	OHE	
UNDERGROUND ELEC, GAS, TEL, TV	UGT	
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31
SPOT ELEV.	16.7	16.7
SEWER SERVICE		
RIGHT OF WAY		
POWER POLE (GUYED)	PP	
CHAIN LINK FENCE	x	
CENTERLINE		
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
50' CROWN TRANSITION		
LIGHT POLE		

1 INCH = 60 FT

AS BUILT INFORMATION

CONTRACTOR NEW CONCEPTS
WORK STAKED BY N/A DATE
INSPECTOR'S AUTHORIZATION BY HERMAN RAY BACA (COA) DATE 5/2002
FIELD VERIFICATION BY HERMAN RAY BACA (COA) DATE 5/2002
DRAWINGS CORRECTED BY N/A DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS 10-K10 ACS 3 1/4" ALUM. CAP 54' EAST OF NORTH END OF BACK OF CURB OF TRAFFIC ISLAND ON LOS VOLCANES RD. THE STATION IS SET FLUSH IN THE TOP OF CURB AND IS STAMPED "10-K10, 1989."
ELEVATION = 5142.79 FEET
VERTICAL DATUM SLD 1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DENNIS A. LORENZ NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 9768
5-30-01

REVISIONS

NO.	DATE	REMARKS	BY
1	11-01	ADDED PAVING, WATER, SAN. SEWER + SD TO N½ BLUEWATER	DL
2	11-01	CHANGE ORDER No 1.	DL

DESIGN

DESIGNED BY	DAL	DATE 4/2001
DRAWN BY	R.M	DATE 4/2001
CHECKED BY	DAL	DATE 4/2001

BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro NE Building 1 Suite 220
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

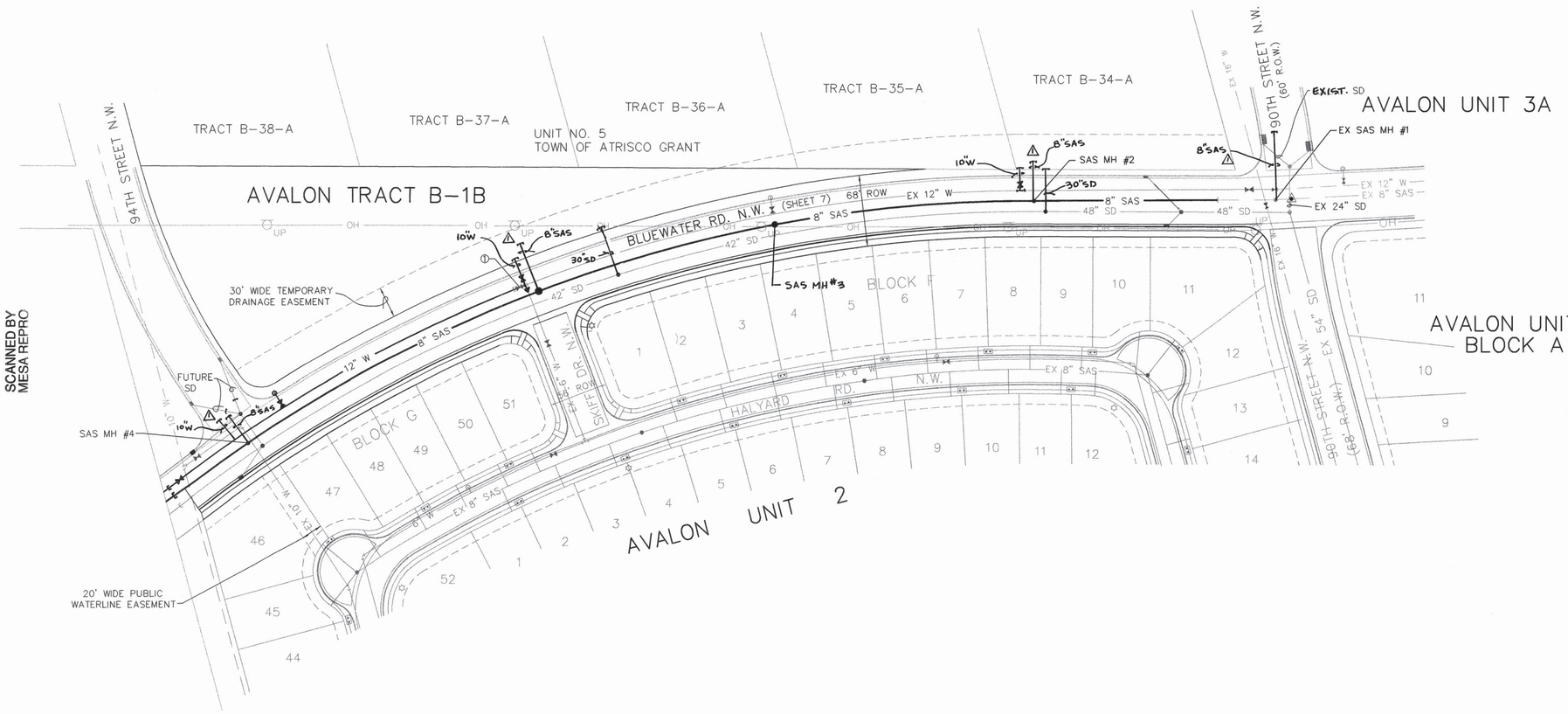
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BLUEWATER ROAD NW
PAVING & STORM DRAIN LAYOUT PLAN

Design Review Committee: APPROVED MAY 25 2001 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
663881	K-9	4	11

01511-ST.DWG 4/19/2001 1=60



SCANNED BY MESA REPRO

LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	6" W	6" W
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	36" SD	24" SD
FIRE HYDRANT		
VALVE		
WATER SERVICE (SINGLE)		
WATER SERVICE (DOUBLE)		
MANHOLE		
MOUNTABLE CURB		
STD CURB & GUTTER		
DROP INLET		
OVERHEAD ELEC	OHE	
UNDERGROUND ELEC, GAS, TEL, TV	UGT	
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31
SPOT ELEV.	16.7	16.7
SEWER SERVICE		
RIGHT OF WAY		
POWER POLE (GUYED)	PP	
CHAIN LINK FENCE		
CENTERLINE		
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
50' CROWN TRANSITION		
LIGHT POLE		

1. VALVES, HYDRANTS, AND APPURTENANCES OF THE CITY WATER SYSTEM SHALL BE OPERATED BY CITY PERSONNEL ONLY.
2. THE CONTRACTOR SHALL PROVIDE THE CITY 5 DAYS ADVANCE NOTICE OF NEED FOR SYSTEM SHUTDOWN.
3. SYSTEM SHUTDOWN SHALL BE ACCOMPLISHED BY CLOSING VALVE ① LOCATED AT BLUEWATER / SKIFF AS SHOWN ON THE PLAN
4. NO SYSTEM SHUTDOWN IS ANTICIPATED

WATER SHUT-OFF PLAN

NOTES: THE 10" WATERLINE IS A WELL COLLECTOR LINE – NO CONNECTIONS FOR SERVICE OR FIRE PROTECTION SHALL BE MADE. THE 10" WELL COLLECTOR IS NOT CONNECTED TO THE DISTRIBUTION SYSTEM.

N

1 INCH = 60 FT

BRASHER & LORENZ
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Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BLUEWATER ROAD NW
UTILITIES LAYOUT PLAN

Design Review Committee: APPROVED MAY 25 2001 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 663881 | Zone Map No. K-9 | Sheet 5 Of 11

01511-UT.DWG 4/19/2001 1=60

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

BENCH MARKS
ACS 10-K10 ACS 3 1/4" ALUM CAP 54' EAST CENTERLINE OF UNSER BLVD. AND 20.4' SOUTH OF NORTH END OF BACK OF CURB OF TRAFFIC ISLAND ON LOS VOLCANES RD. THE STATION IS SET FLUSH IN THE TOP OF CURB AND IS STAMPED "10-K10, 1989."
ELEVATION = 5142.79 FEET
VERTICAL DATUM SLD 1929

SURVEY INFORMATION
FIELD NOTES

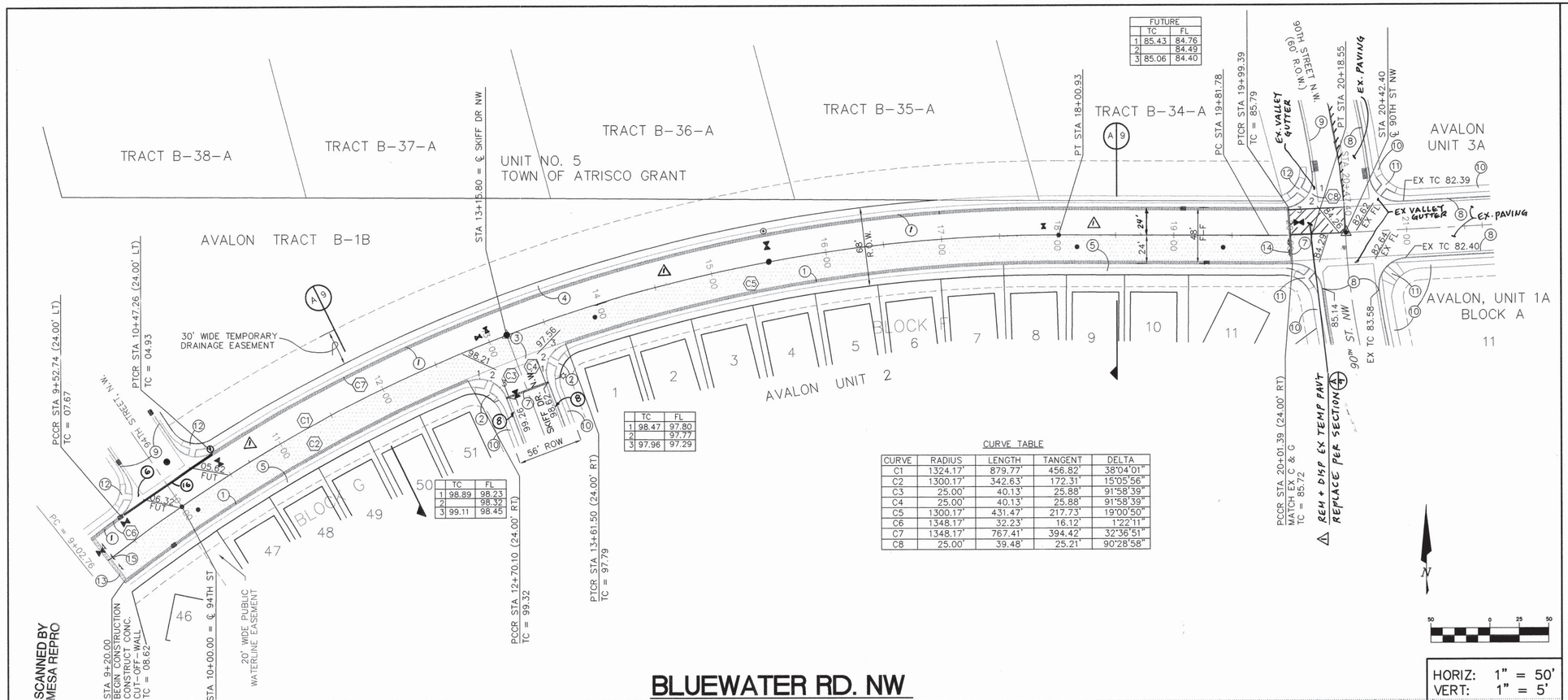
NO.	BY	DATE

ENGINEER'S SEAL
DENNIS A. LORENZ NEW MEXICO 9641 REGISTERED PROFESSIONAL ENGINEER
5-3-01

NO.	DATE	REMARKS	BY
1	11-01	ADDED PAVING, WATER, SAS + SD STUBS TO N½ BLUEWATER	DL
2	11-01	CHANGE ORDER NO 1	DL

REVISIONS

DESIGN
DESIGNED BY DAL DATE 4/2001
DRAWN BY R.M DATE 4/2001
CHECKED BY DAL DATE 4/2001



FUTURE		
	TC	FL
1	85.43	84.76
2		84.49
3	85.06	84.40

	TC	FL
1	98.47	97.80
2		97.77
3	97.96	97.29

	TC	FL
1	98.89	98.23
2		98.32
3	99.11	98.45

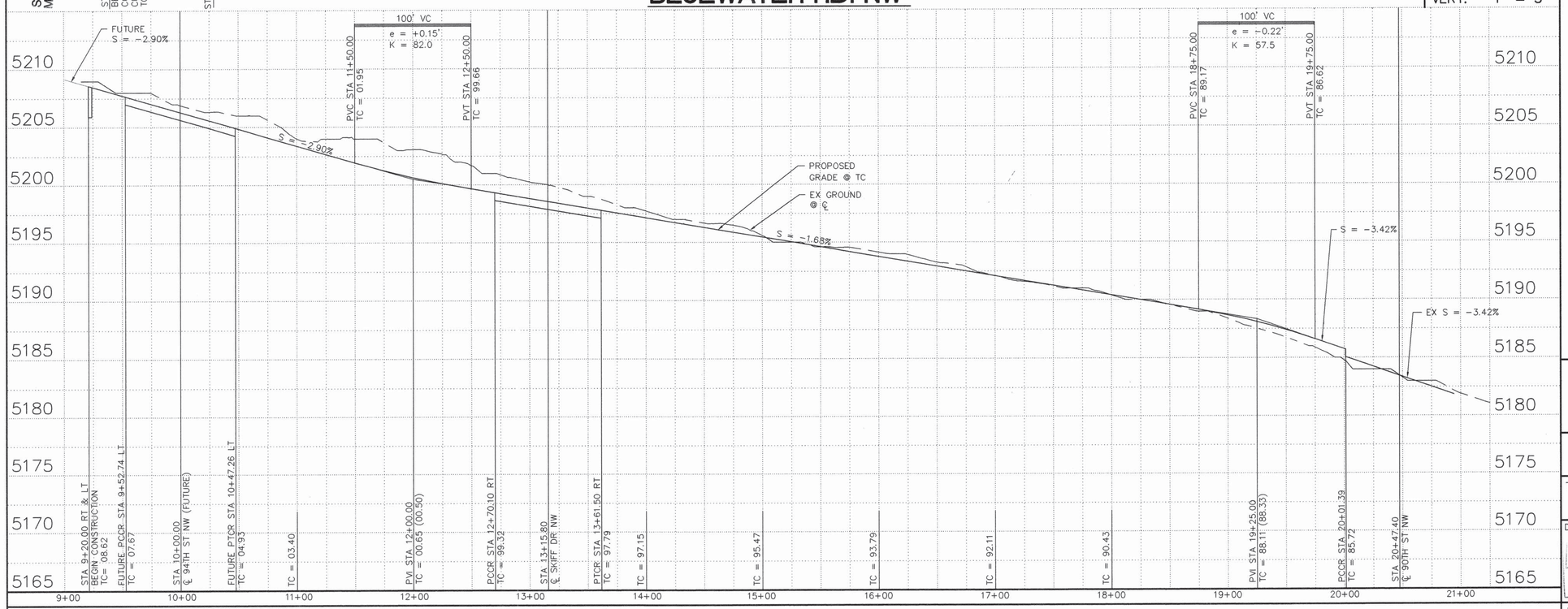
CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	1324.17'	879.77'	456.82'	38°04'01"
C2	1300.17'	342.63'	172.31'	15°05'56"
C3	25.00'	40.13'	25.88'	91°58'39"
C4	25.00'	40.13'	25.88'	91°58'39"
C5	1300.17'	431.47'	217.73'	19°00'50"
C6	1348.17'	32.23'	16.12'	1°22'11"
C7	1348.17'	767.41'	394.42'	32°36'51"
C8	25.00'	39.48'	25.21'	90°28'58"

SCANNED BY MESA REPRO

BLUEWATER RD. NW

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



01511ST.DWG 4/19/2001 1=50

LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	6" W	6" W
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	36" SD	24" SD
FIRE HYDRANT		
VALVE		
WATER SERVICE (SINGLE)		
WATER SERVICE (DOUBLE)		
MANHOLE		
MOUNTABLE CURB		
STD CURB & GUTTER		
DROP INLET		
OVERHEAD ELEC	OHE	
UNDERGROUND ELEC, GAS, TEL, TV	UGT	
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31
SPOT ELEV.	x16.7	16.7
SEWER SERVICE		
RIGHT OF WAY		
POWER POLE (GUYED)	PP	
CHAIN LINK FENCE	x	
CENTERLINE		
RETAINING WALL		
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
NEW PAVEMENT		
STREET LIGHT		

STATIONING IS BASED ON CENTERLINE OF RIGHT OF WAY UNLESS NOTED OTHERWISE.

KEYED NOTES

1. CONSTRUCT STANDARD C&G PER STD DWG 2415
2. CONSTRUCT CURB ACCESS RAMP PER DETAIL (C/9)
3. CONSTRUCT CONCRETE VALLEY GUTTER PER STD DWG 2420
4. FUTURE 4' SIDEWALK
5. CONSTRUCT 4' SIDEWALK PER COA STD DWG 2430
6. FUTURE VALLEY GUTTER
7. REMOVE & DISPOSE EXISTING CONC. CUT-OFF WALL. MATCH EXIST. PAVING
8. EXISTING STD. CURB AND GUTTER
9. FUTURE STD. CURB AND GUTTER
10. EXISTING 4' SIDEWALK
11. EXISTING HANDICAP RAMP
12. FUTURE HANDICAP RAMP
13. CONSTRUCT CONC. CUT OFF WALL PER STD. DWG 2415
14. REMOVE EXISTING BARRACADES RELOCATE TO STA 9+20.00
15. RELOCATED BARRACADES
16. CONSTR 8" TEMP AC CURB PER STD DWG 2415.

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AS BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY		DATE
NO.		

BENCH MARKS

ACS 10-K10 ACS 3 1/4" ALUM CAP 54' EAST OF NORTH END OF BACK OF CURB OF TRAFFIC ISLAND ON LOS VOLCANES RD. THE STATION IS SET FLUSH IN THE TOP OF CURB AND IS STAMPED "10-K10, 1989."
ELEVATION = 5142.79 FEET
VERTICAL DATUM SLD 1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DENNIS A. LORENZ NEW MEXICO 9644 REGISTERED PROFESSIONAL ENGINEER
5-3-01

REVISIONS

NO.	DATE	REMARKS	BY
1	11-01	ADDED PAVING, WATER, SAS +50 STUBS TO N'LY BLUEWATER	DL
2	11-01	CHANGE ORDER No 1	DL.

DESIGN

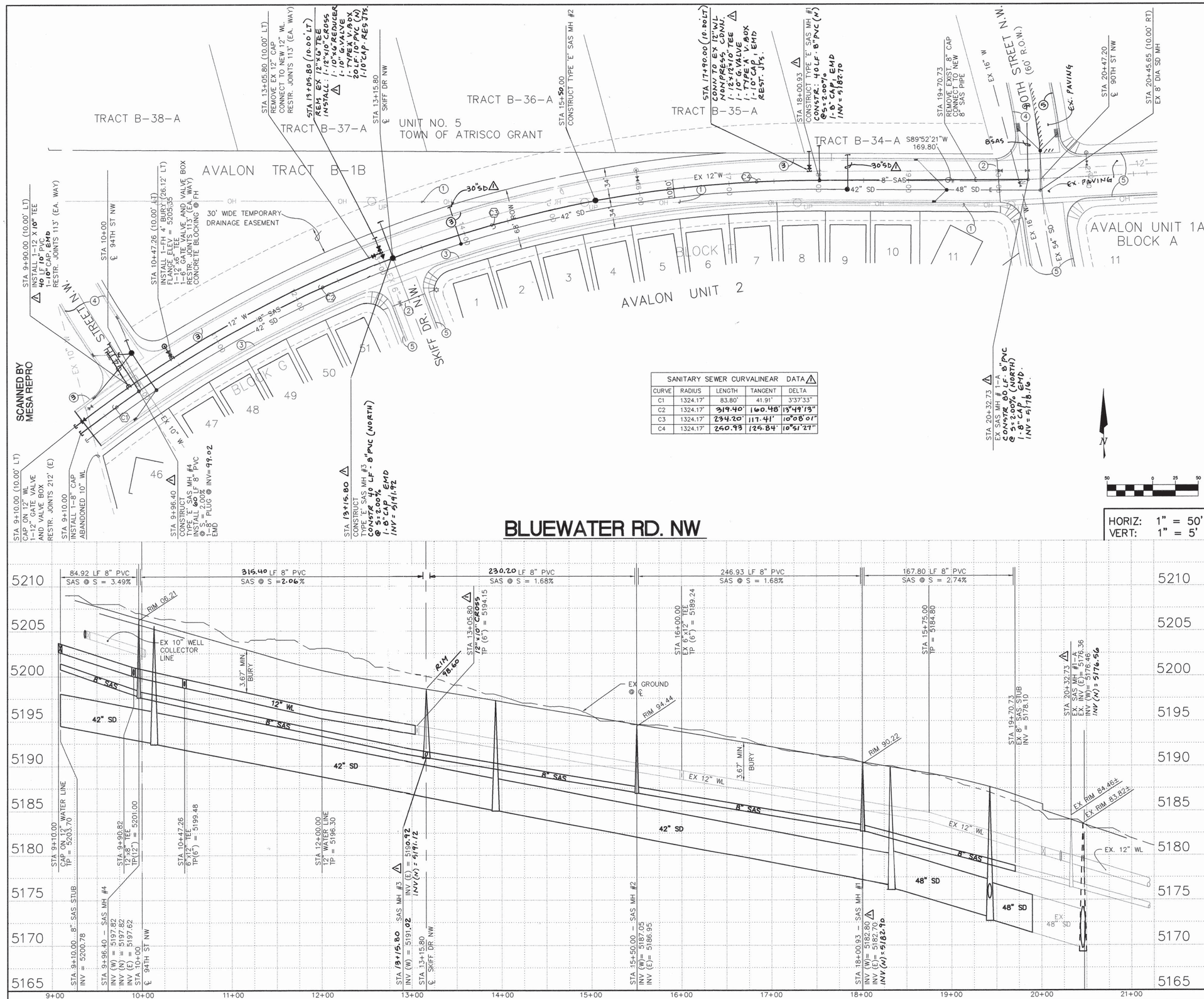
DESIGNED BY	DAL	DATE 4/2001
DRAWN BY	R.M	DATE 4/2001
CHECKED BY	DAL	DATE 4/2001

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BLUEWATER ROAD NW
STREET PAVING PLAN & PROFILE

Design Review Committee: MAY 2 5 2001 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
663881	K-9	6	11



SANITARY SEWER CURVALINEAR DATA				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	1324.17'	83.80'	41.91'	3°37'33"
C2	1324.17'	319.40'	160.48'	13°49'13"
C3	1324.17'	234.20'	117.41'	10°08'01"
C4	1324.17'	260.93'	129.84'	10°51'27"

LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	6" W	6" W
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	36" SD	24" SD
FIRE HYDRANT		
VALVE		
WATER SERVICE (SINGLE)		
WATER SERVICE (DOUBLE)		
MANHOLE		
MOUNTABLE CURB		
STD CURB & GUTTER		
DROP INLET		
OVERHEAD ELEC	OHE	
UNDERGROUND ELEC, GAS,TEL,TV	UGT	
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31
SPOT ELEV.	× 16.7	16.7
SEWER SERVICE		
RIGHT OF WAY		
POWER POLE (GUYED)	PP	
CHAIN LINK FENCE	x	
CENTERLINE		
RETAINING WALL		
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
TEMP. PAVEMENT		
STREET LIGHT		

STATIONING IS BASED ON CENTERLINE OF RIGHT OF WAY UNLESS NOTED OTHERWISE.

1. EXISTING OVERHEAD ELECTRIC TO BE RELOCATED BY PNM
2. EXISTING EDGE OF PAVEMENT
3. NEW STD C & G
4. FUTURE STD. C & G
5. EXISTING STD. C & G

AS BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

ACS 10-K10 ACS 3 1/4" ALUM CAP 54' EAST OF NORTH END OF BACK OF CURB OF TRAFFIC ISLAND ON LOS VOLCANES RD. THE STATION IS SET FLUSH IN THE TOP OF CURB AND IS STAMPED "10-K10, 1989."
ELEVATION = 5142.79 FEET
VERTICAL DATUM SLD 1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DENNIS A. LORENZ, NEW MEXICO 9647, REGISTERED PROFESSIONAL ENGINEER
5-3-01

NO.	DATE	REMARKS	BY
1	11-01	ADDED PAVING, WATER, SAS + SD STUBS TO N½ BLUEWATER	DL
2	11-01	CHANGE ORDER No 1	DL

REVISIONS

DESIGN

DESIGNED BY	DAL	DATE 4/2001
DRAWN BY	R.M	DATE 4/2001
CHECKED BY	DAL	DATE 4/2001

BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro NE Building 1 Suite 220
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

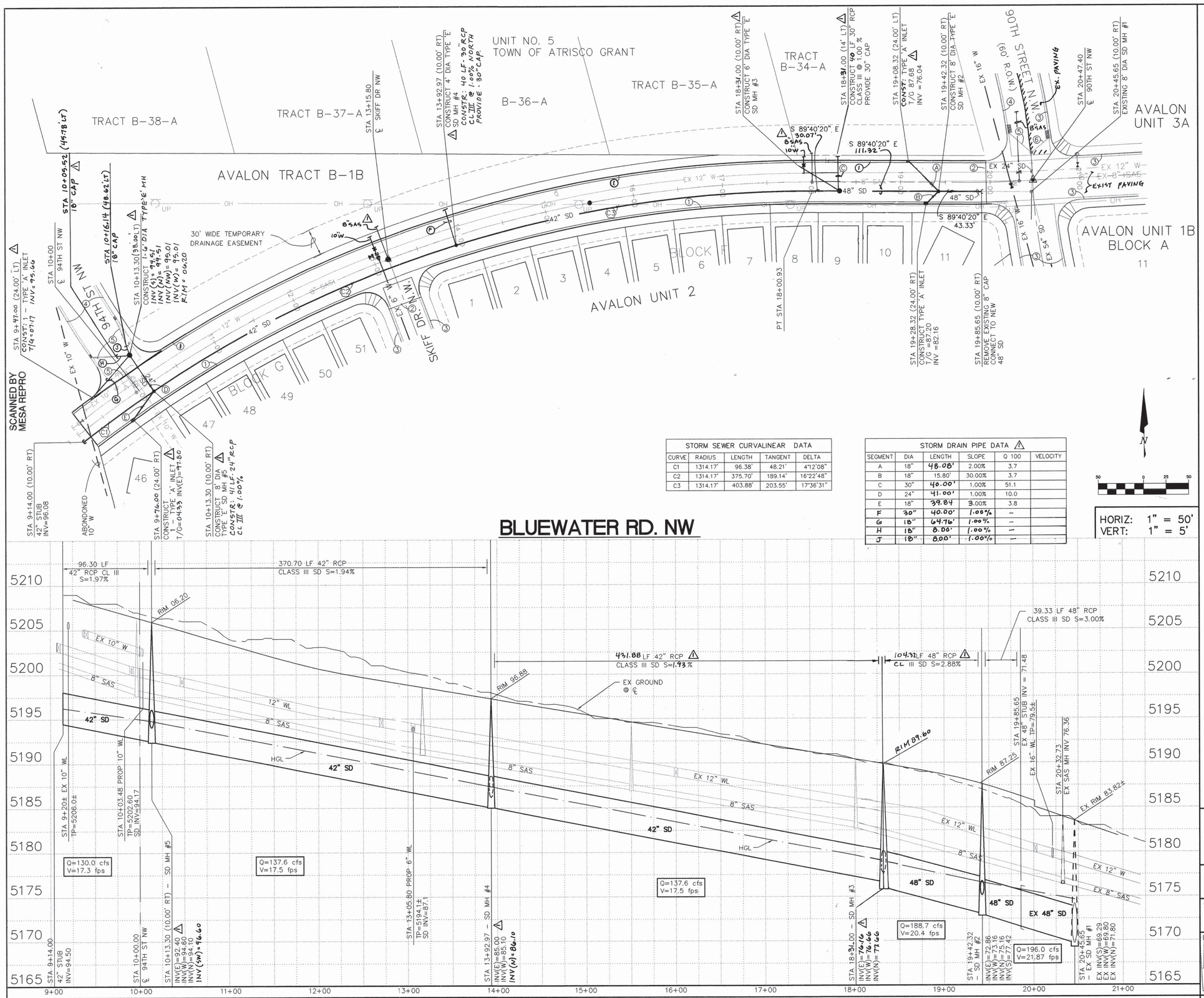
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BLUEWATER ROAD NW
WATER & SANITARY SEWER PLAN & PROFILE

Design Review Committee: APPROVED MAY 2 1 2001 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
663881	K-9	7	11

01511-WS.DWG 5/3/2001 1=50



STORM SEWER CURVALINEAR DATA				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	1314.17'	96.38'	48.21'	4°12'08"
C2	1314.17'	375.70'	189.14'	16°22'48"
C3	1314.17'	403.88'	203.55'	17°36'31"

STORM DRAIN PIPE DATA △1					
SEGMENT	DIA	LENGTH	SLOPE	Q 100	VELOCITY
A	18"	48.08'	2.00%	3.7	
B	18"	15.80'	30.00%	3.7	
C	30"	40.00'	1.00%	51.1	
D	24"	41.00'	1.00%	10.0	
E	18"	39.84	3.00%	3.8	
F	30"	40.00'	1.00%	–	
G	18"	64.76'	1.00%	–	
H	18"	8.00'	1.00%	–	
J	18"	8.00'	1.00%	–	

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

LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	6" W	6" W
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	36" SD	24" SD
FIRE HYDRANT		
VALVE		
WATER SERVICE (SINGLE)		
WATER SERVICE (DOUBLE)		
MANHOLE		
MOUNTABLE CURB		
STD CURB & GUTTER		
DROP INLET		
OVERHEAD ELEC	OHE	
UNDERGROUND ELEC, GAS,TEL,TV	UGT	
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31
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SEWER SERVICE		
RIGHT OF WAY		
POWER POLE (GUYED)	PP	
CHAIN LINK FENCE	x	
CENTERLINE		
RETAINING WALL		
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
TEMP. PAVEMENT		
STREET LIGHT		

STATIONING IS BASED ON CENTERLINE OF RIGHT OF WAY UNLESS NOTED OTHERWISE.

1. NEW STD C & G
2. EXISTING EDGE OF PAVING
3. EXISTING STD C & G
4. FUTURE STD C & G
5. FUTURE SD
6. EXISTING SD

NOTE:

STORM INLETS ARE TO BE BLOCKED BY PLACING PLYWOOD OVER LATERAL PIPE AND BACKFILLING INLET WITH SANDBAGS TO WITHIN 6-INCHES OF STREET GRADE. BACKFILL OVER SANDBAGS WITH CLEAN SAND AND PAVE WITH 2-INCHES TEMPORARY ASPHALT. INLET GRATES SHALL BE DELIVERED TO CITY STORM MAINTENANCE, 9805 CENTRAL AVE NE (235-8016).

BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro NE Building 1 Suite 220
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

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

BENCH MARKS
ACS 10-K10 ACS 3 1/4" ALUM CAP 54' EAST OF NORTH END OF BACK OF CURB OF TRAFFIC ISLAND ON LOS VOLCANES RD. THE STATION IS SET FLUSH IN THE TOP OF CURB AND IS STAMPED "10-K10, 1989."
ELEVATION = 5142.79 FEET
VERTICAL DATUM SLD 1929

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
DENNIS A. LORENZ NEW MEXICO 9630 REGISTERED PROFESSIONAL ENGINEER
5-3-01

REVISIONS

NO.	DATE	REMARKS	BY
1	11.01	ADDED PAVING, WATER, SAS + SD STUBS TO N½ BLUEWATER	DL
2	11.01	CHANGE ORDER NO 1	DL

DESIGN

DESIGNED BY	DAL	DATE 4/2001
DRAWN BY	R.M	DATE 4/2001
CHECKED BY	DAL	DATE 4/2001

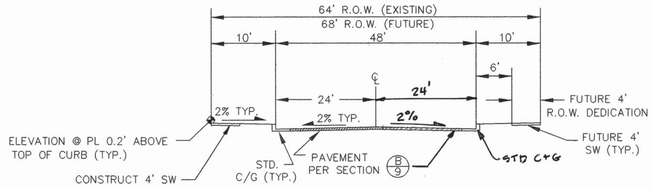
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BLUEWATER ROAD NW
STORM DRAIN PLAN & PROFILE

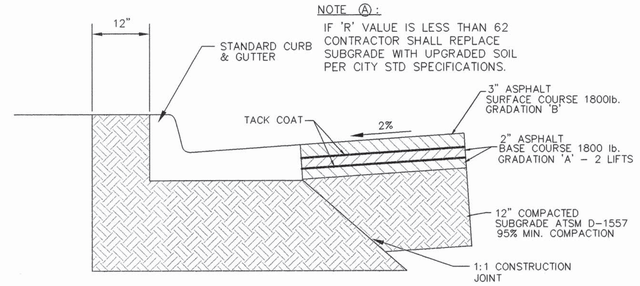
Design Review Committee: APPROVED MAY 25 2001 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
663881	K-9	8	11

01511-SD.DWG 4/19/2001 1=50

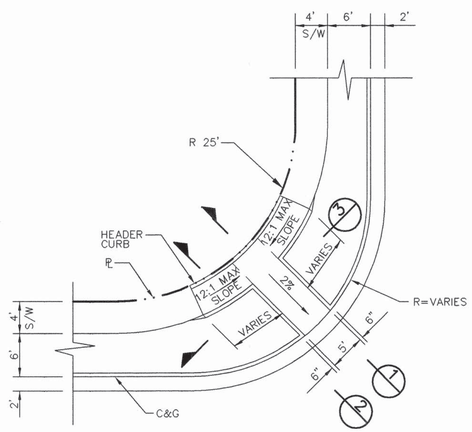


COLLECTOR STREET SECTION A/9
N.T.S.

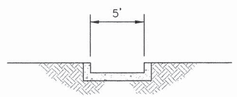


NOTE (A):
IF 'R' VALUE IS LESS THAN 62 CONTRACTOR SHALL REPLACE SUBGRADE WITH UPGRADED SOIL PER CITY STD SPECIFICATIONS.

COLLECTOR PAVEMENT SECTION B/9
DESIGN SECTION PER AVALON UNIT 1 NTS
CPN 591381



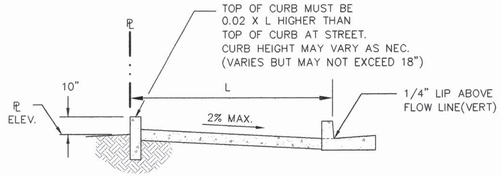
PLAN–WC RAMP
NTS



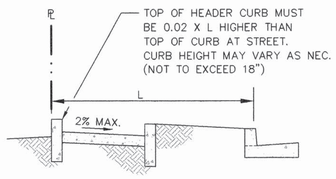
3 RAMP SECTION
NTS

GENERAL NOTE:

RAMPS SHALL BE CONSTRUCTED ACCORDING TO CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION EXCEPT IN SUCH CASES THAT THOSE SPECIFICATIONS DIFFER FROM THESE PLANS.



1 RAMP SECTION
NTS



2 RAMP SECTION
NTS

WC RAMP DETAILS C/9
NTS

SCANNED BY MESA REPRO

AS BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

ACS 10-K10 ACS 3 1/4" ALUM CAP 54' EAST CENTERLINE OF UNSER BLVD. AND 20.4' SOUTH OF NORTH END OF BACK OF CURB OF TRAFFIC ISLAND ON LOS VOLCANES RD. THE STATION IS SET FLUSH IN THE TOP OF CURB AND IS STAMPED "10-K10, 1989."
ELEVATION= 5142.79 FEET
VERTICAL DATUM SLD 1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DENNIS A. LORENZ — NEW MEXICO — 9640 — REGISTERED PROFESSIONAL ENGINEER
5-3-01

NO.	DATE	REMARKS	BY
1	11-01	ADDED PAVING, WATER, GAS & 4 SD STUBS TO N½ BLUEWATER	DL
2	11-01	CHANGE ORDER No 1	DL

REVISIONS

DESIGN			
DESIGNED BY	D.A.L.	DATE	4/2001
DRAWN BY	R.M	DATE	4/2001
CHECKED BY	D.A.L.	DATE	4/2001

BRASHER & LORENZ
CONSULTING ENGINEERS
2201 San Pedro NE Building 1 Suite 220
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

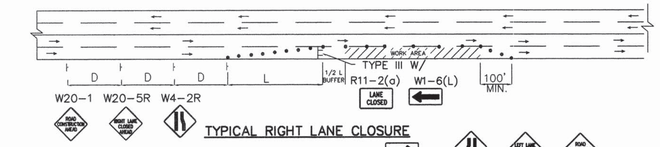
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BLUEWATER ROAD NW
STREET PAVING DETAILS

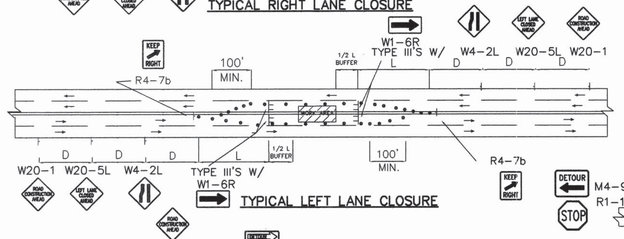
Design Review Committee: APPROVED MAY 2 2001 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
663881	K-9	9	11

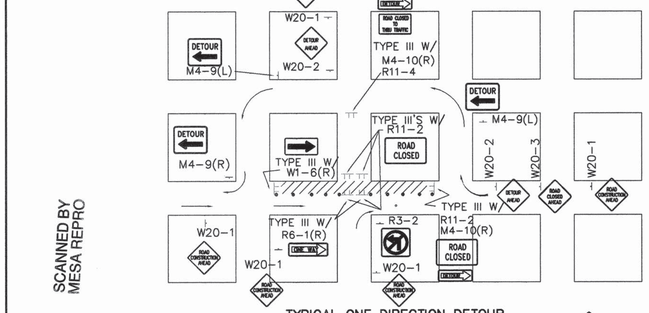
01511-DT.DWG 4/19/2001 1"=50'



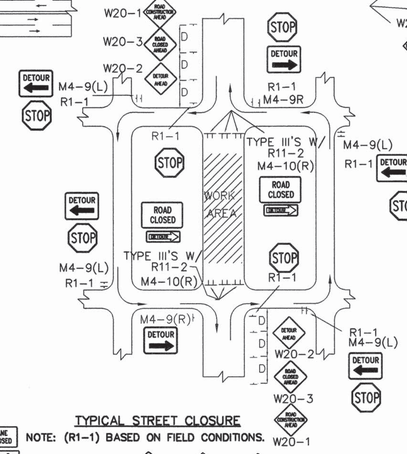
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE



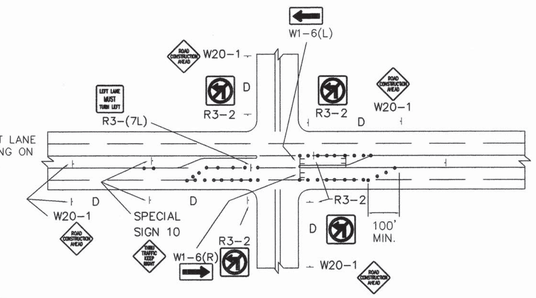
TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

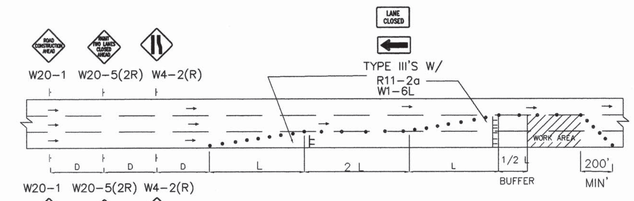
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.

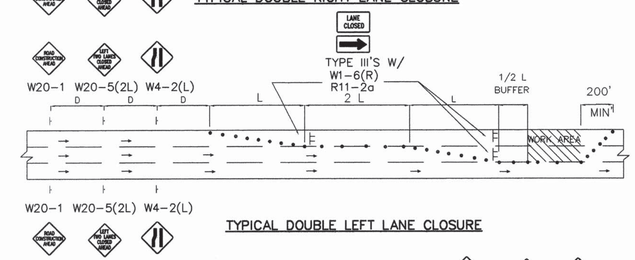


TYPICAL LANE CLOSURE AT INTERSECTION

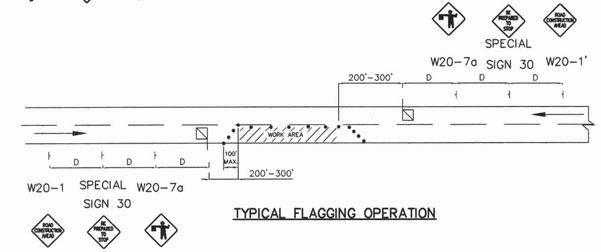
NOTE: DEPENDING ON WORK ZONE LOCATION



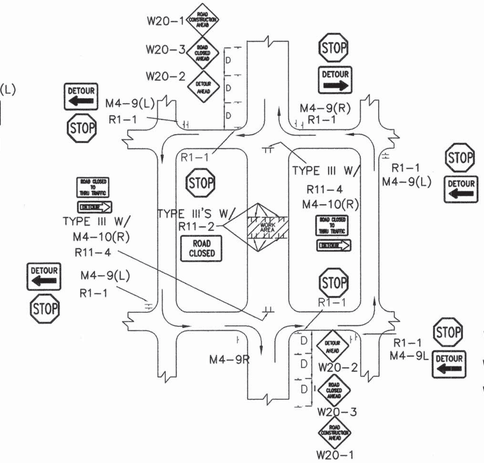
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE

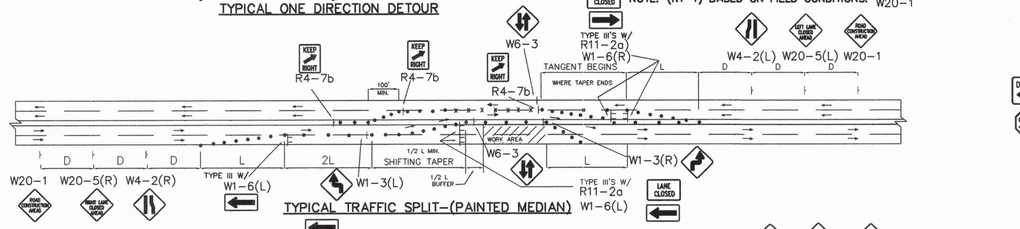


TYPICAL FLAGGING OPERATION

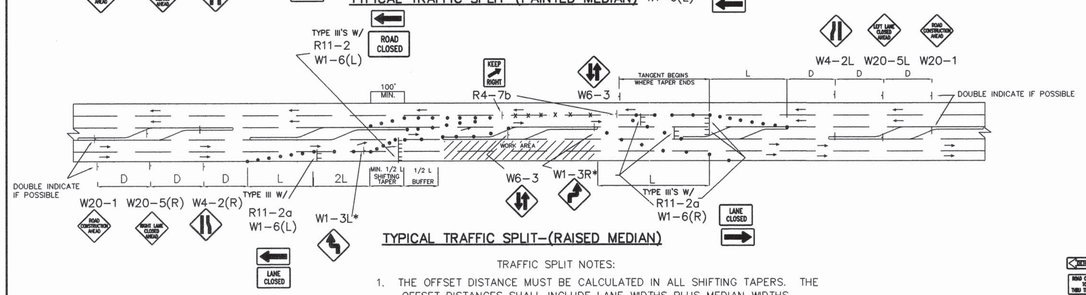


TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



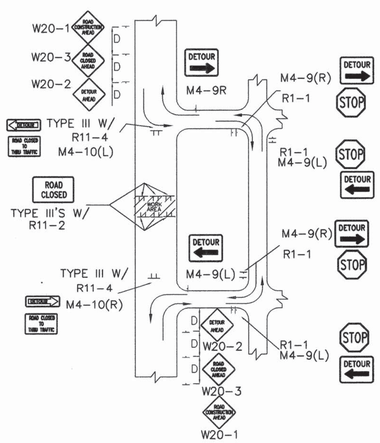
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

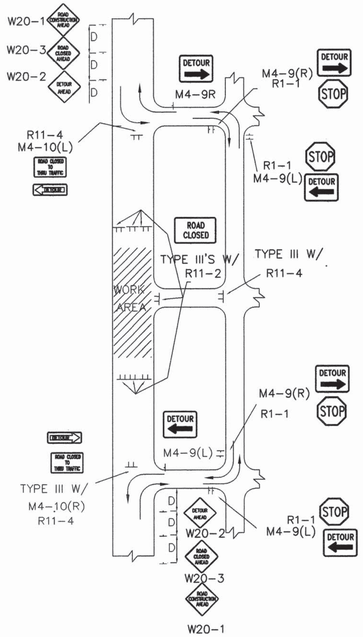
TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



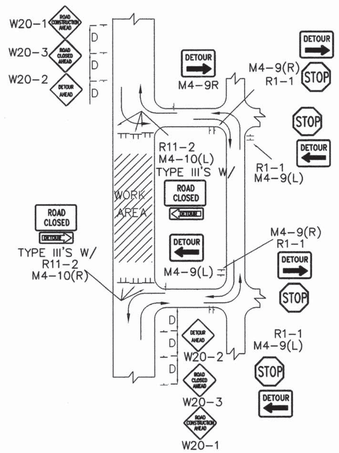
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



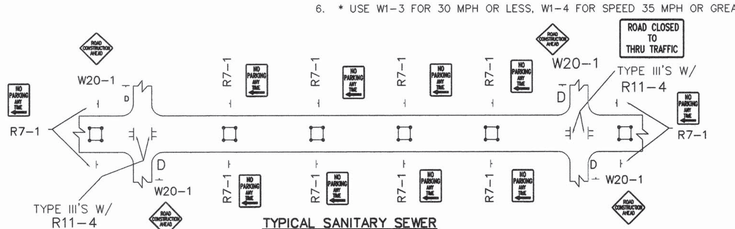
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL SANITARY SEWER SLIPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.

GENERAL NOTE:

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

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

SCANNED BY MESA REPRO

01511-T1.DWG

AS BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS 10-K10 ACS 3 1/4" ALUM CAP 54' EAST CENTERLINE OF UNSER BLVD. AND 20.4' SOUTH OF NORTH END OF BACK OF CURB OF TRAFFIC ISLAND ON LOS VOLCANES RD. THE STATION IS SET FLUSH IN THE TOP OF CURB AND IS STAMPED "10-K10, 1989." ELEVATION = 5142.79 FEET VERTICAL DATUM SLD 1929

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

CITY STANDARD

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY STAFF DATE 4/2001
DRAWN BY STAFF DATE 4/2001
CHECKED BY D.A.L. DATE 4/2001

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BLUEWATER ROAD NW
TRAFFIC CONTROL DETAILS

DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.
COA	STANDARD			

PROJECT NO. 663881 | MAP NO. K-9 | SHEET 10 OF 11

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. 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.

2. 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.

3. 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.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. 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.

6. 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.

7. 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.

8. 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.

9. 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.

10. 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.

11. CONTRACTOR SHALL MAINTAIN A GRAFFITI FREE SITE

12. 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.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. 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.

18. 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.

19. 24 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.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. 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.

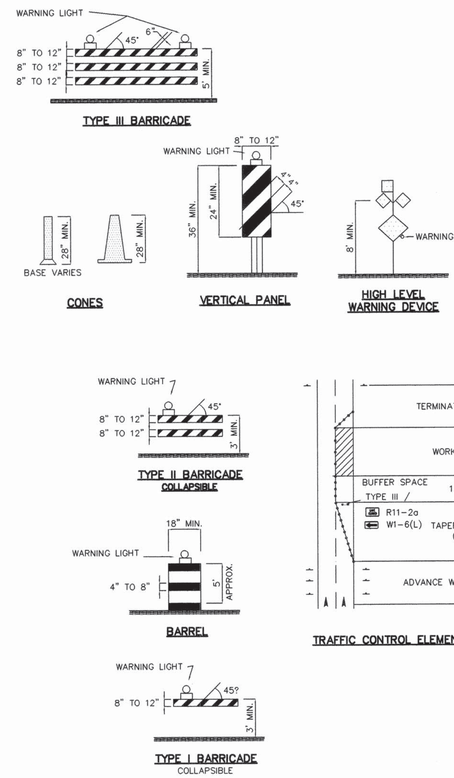
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. 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.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.



LEGEND

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

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

TAPER REQUIREMENTS

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 MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	MINIMUM DISTANCE IN FEET 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

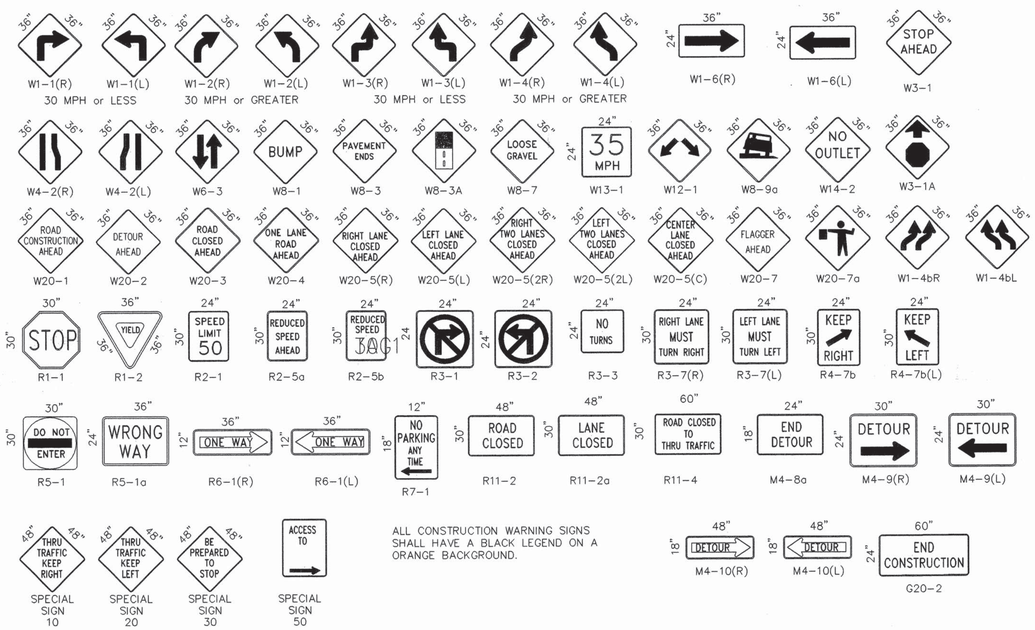
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

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

BENCH MARKS
ACS 10-K10 ACS 3 1/4" ALUM CAP 54' EAST CENTERLINE OF UNSER BLVD. AND 20.4' SOUTH OF NORTH END OF BACK OF CURB OF TRAFFIC ISLAND ON LOS VOLCANES RD. THE STATION IS SET FLUSH IN THE TOP OF CURB AND IS STAMPED "10-K10, 1989."
ELEVATION = 5142.79 FEET
VERTICAL DATUM SLD 1929

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

CITY STANDARD

REMARKS
REVISIONS
NO. DATE BY
DESIGN
DESIGNED BY STAFF DATE 4/2001
DRAWN BY STAFF DATE 4/2001
CHECKED BY D.A.L. DATE 4/2001

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BLUEWATER ROAD NW
TRAFFIC CONTROL DETAILS

DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.
COA	STANDARD			

PROJECT NO.	MAP NO.	SHEET	OF
663881	K-9	11	11

SCANNED BY MESA REPRO

01511-T2.DWG