PLANS FOR CONSTRUCTION OF

ATRISCO BUSINESS PARK UNIT 3 AND UNIT 4

WATER AND SANITARY SEWER IMPROVEMENTS

ALBUQUERQUE, NEW MEXICO

NOVEMBER, 1999

INDEX TO DRAWINGS

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8.	TRAFFIC CONTROL DETAILS
9.	TRAFFIC CONTROL DETAILS

APPROVAL OF AS BUILT DRAWINGS
CHIEF, CONSTRUCTION ENGINEER
Peter Chang
DATE 4/4/00

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

DRB 85-657-1

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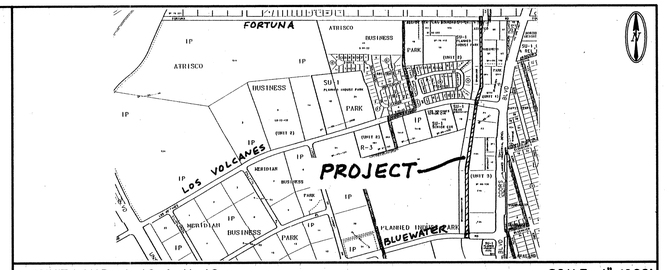
BRASHER & LORENZ, INC.
Consulting Engineers
2201 San Pedro NE, Building 1, Suite 210
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

ATRISCO-T 11/18/99 1=20



VICINITY MAP: J-10 & K-10 SCALE: 1"=1000'

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 (COORS BLVD).

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. THE 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. CONDITIONS OF THE STANDARD SPECIFICATIONS.

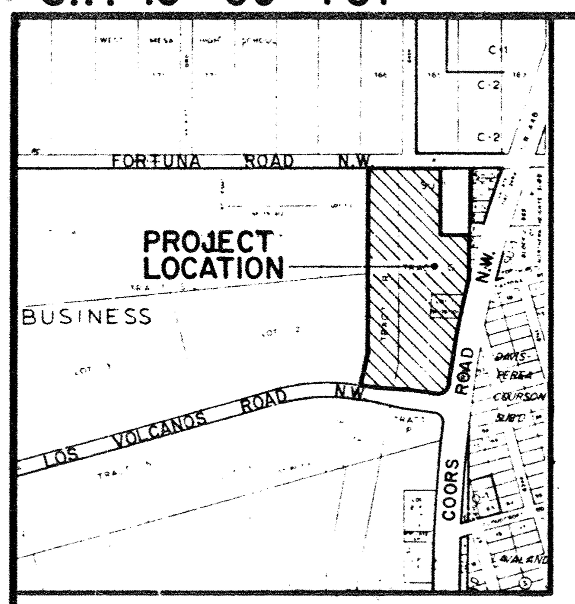
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	**********
PAUL T. BRASHER NEW MEXICO 7382 REGISTERED PROFESSIONAL ENGINEER 12-13-99	DRC Chairman		1-17-00	APPROVED FOR CONSTRUCTION
	Transportation		12-13-99	
	Water/Wastewater	Bradley J. Bingham	12-13-99	
	Hydrology	Bradley J. Bingham	12-13-99	2/9/00
	CIP			City Engineer Date
	Constr. Mngmt.			
	Constr. Coord.	Delay to DRC chair	12-13-99	

CITY PROJECT NO. 285380

SHEET 1 OF 9

S.P. 10-09-757



VICINITY MAP J-10
SCALE : 1" = 800'

PLAT OF
ATRISCO BUSINESS PARK, UNIT 4
A REPLAT OF
TRACTS Q-1, R & LOT 1, ATRISCO BUSINESS PARK, UNIT 2
ALBUQUERQUE, NEW MEXICO
JANUARY, 1986

86 41917

SCALE : 1"=100'

Notes:

1. A field survey was performed on 2-24-1986 (N.M.L.S. No. 6401)
2. No street mileage was created.
3. All distances are ground distances.
4. Site located within Section 15, T10N, R2E, N.M.P.M.
5. Bearing based is replat of "Tract Q of Unit No. 2, Atrisco Business Park" filed April 1, 1985, Book C26, Page 171.
6. The purpose of this plat is to subdivide the existing parcels into several tracts plus grant the easements and dedicate additional Public Right of Way for Coors Blvd. as shown hereon.
7. For information on Coors Blvd. right-of-way refer to Koogle & Poul's plat filed 4-1-85 (C26-171).
8. Maintenance of the private ingress and egress easements granted by this plat shall be the responsibility of the respective property owner(s).
9. UTILITY EASEMENTS: Utility easements on the plat are granted for the common and joint use and benefit of:

a) The City of Albuquerque for installation, service and maintenance of water and sewer lines, valves, pumps and/or other related equipment and facilities reasonably necessary to deliver potable water to the residents of the subdivision and provide a liquid waste disposal system in accordance with the plans and procedures of the City of Albuquerque;

b) The Public Service Company of New Mexico for installation, maintenance and service of electrical lines, transformers and other equipment and related facilities reasonably necessary to provide electrical service to the residents of the subdivision;

c) The Gas Company of New Mexico for installation of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas to the residents of the subdivision;

d) Mountain Bell for the installation, service and maintenance of all telephone lines, switching equipment and other related equipment and facilities reasonably necessary to provide telephone service to the residents of the subdivision;

10. DRAINAGE EASEMENTS - Drainage easements are granted to AMAFCA and the City of Albuquerque for the benefit of all owners of the subdivision or indicated on the Plat for the passage, containment or diversion of surface waters; and between individual property owners as indicated on the Plat by reference or notation.

11. ACCESS EASEMENTS: The City of Albuquerque is hereby granted access via private ingress and egress easements shown for the purpose of allowing its various operating departments to provide service to the residents of the subdivision in the same manner to and to the same extent as though the referenced tract were dedicated public streets. "Operating departments" as referred to above shall include, but shall not be limited to, the departments of the City providing the following services:

a) Police protection
b) Fire protection
c) Water resources
d) Solid waste and liquid disposal
e) Animal control
f) Planning functions
g) Traffic engineering and control

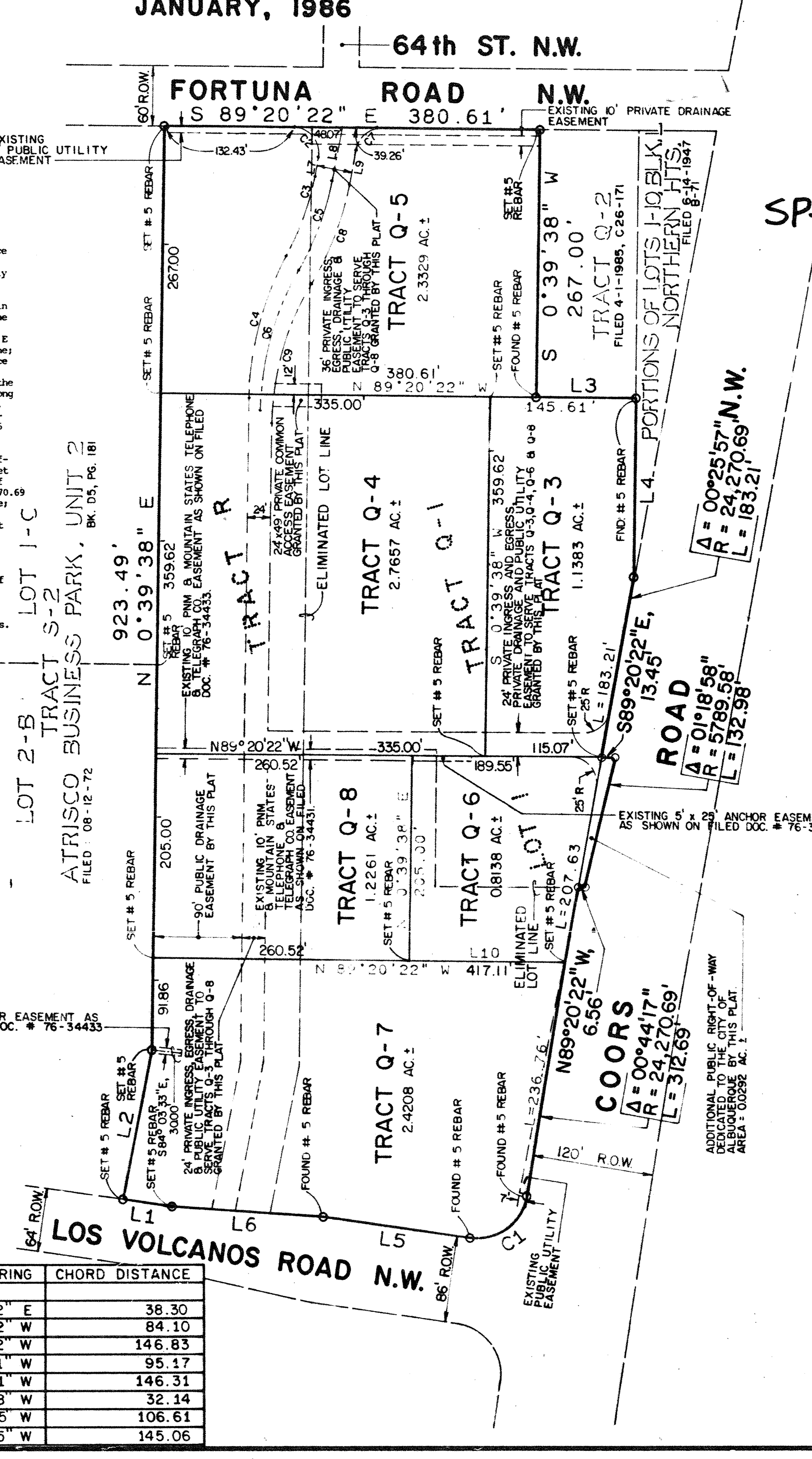
All owners of the subdivision are granted the right to access their property over and across the referenced private ingress and egress easements.

12. Within public utility easements, the City of Albuquerque shall have the exclusive right to place underground utility lines within six (6) feet of the centerline of a water or sewer line except for perpendicular crossings or where written approval has been obtained from the City of Albuquerque, Gas Company of New Mexico, Public Service Company of New Mexico and Mountain States Telephone and Telegraph are exempted from compliance with the first sentence in this paragraph.

DESCRIPTION

A certain tract of land located within the Corporate limits of the City of Albuquerque, New Mexico, comprising Tracts Q-1, R and Lot 1, Atrisco Business Park, Unit 2, as shown on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on April 1, 1985 (C26-171) and being more particularly described as follows:

Beginning at the northwest corner of the parcel herein described being a point on the south right-of-way line of Fortuna Road N.W. and also being common with the northwest corner of said Tract R, thence S 89°20'22" E a distance of 380.61 feet along said right-of-way line; thence S 00°39'38" W a distance of 267.00 feet; thence S 89°20'22" E a distance of 100.00 feet; thence S 00°39'38" W a distance of 178.98 feet to a point on the west right-of-way line of Coors Road N.W.; thence along the arc of a curve to the left with DELTA = 0°25'57", R = 24,270.69', and L = 183.21 feet along said right-of-way line; thence S 89°20'22" E a distance of 13.45 feet along said right-of-way line; thence along the arc of a curve to the left with DELTA = 1°18'58", R = 5789.58', and L = 132.98 feet along said right-of-way line; thence N 89°20'22" W a distance of 6.56 feet along said right-of-way line; thence along the arc of a curve to the left with DELTA = 00°44'17", R = 24,270.69 feet and L = 312.69 feet along said right-of-way line; thence along the arc of a curve to the right with DELTA = 89°05'00", R = 50.00 feet, and L = 77.74 feet to a point on the north right-of-way line of Los Volcanos Road N.W.; thence N 81°55'22" W a distance of 150.74 feet along said right-of-way line; thence N 86°00'30" W a distance of 154.39 feet along said right-of-way line; thence N 81°55'22" W a distance of 50.46 feet along said right-of-way line; thence N 11°13'38" E a distance of 152.20 feet; thence N 00°39'38" E a distance of 923.49 feet to the point of beginning and containing 10.7268 acre more or less.



LINE	BEARING	DISTANCE
L1	N 81°55'22" W	50.46
L2	N 11°13'38" E	152.20
L3	S 89°20'22" E	100.00
L4	S 0°39'38" W	178.98
L5	N 81°55'22" W	150.74
L6	N 86°00'30" W	154.39
L7	S 10°39'38" W	20.21
L8	S 10°39'38" W	53.17
L9	S 10°39'38" W	35.37
L10	N 89°20'22" W	156.59

CURVE	ARC	DELTA	RADIUS	CHORD BEARING	CHORD DISTANCE
C1	77.74	89°05'00"	50.00		
C2	43.63	100°00'00"	25.00	S 39°20'22" E	38.30
C3	84.46	18°19'48"	264.00	S 19°49'32" W	84.10
C4	148.34	28°19'48"	300.00	S 14°49'32" W	146.83
C5	95.63	19°25'45"	282.00	S 20°22'31" W	95.17
C6	147.93	29°25'45"	288.00	S 15°22'31" W	146.31
C7	34.91	80°00'00"	25.00	S 50°39'38" W	32.14
C8	107.18	20°28'13"	300.00	S 20°53'45" W	106.61
C9	146.78	30°28'13"	276.00	S 15°53'45" W	145.06

DEDICATION and FREE CONSENT
The undersigned owners of the land shown hereon do hereby consent to the subdivision of said land in the manner shown on this plat and do hereby dedicate the public rights-of-way, and grant all easements shown hereon including the rights of ingress and egress and the right to trim interfering trees.

GIL E. CORDOVA (C.E.O.), WESTLAND DEVELOPMENT COMPANY, INC. — 1/23/86 Date

JOHN BATTAGLIA (OWNER-TRACT Q-6) KATHLEEN A. BATTAGLIA (OWNER-TRACT Q-6) Date

ACKNOWLEDGEMENT

STATE OF NEW MEXICO)
SS
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this ______ day of ______ 19____.

Notary Public

SP86-180

APPROVALS:
D.R.B. 84-657-1

Planning Director, City of Albuquerque, N.M. — 5.10.86 Date
Water Utilities, City of Albuquerque, N.M. — 2.28.85 Date
City Engineer, City of Albuquerque — 5-8-86 Date
A.M.A.F.C.A. — 5-8-86 Date
Traffic Engineer, City of Albuquerque, N.M. — 3.11.86 Date
Parks and Recreation, City of Albuquerque, N.M. — 2-25-86 Date
Chief City Surveyor, City of Albuquerque, N.M. — 022486 Date
Property Manager, City of Albuquerque, N.M. — 2-24-86 Date

CERTIFICATION
I, Thomas T. Mann, Jr., a registered Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat was prepared by me or under my supervision; shows all easements noted in a title report prepared by FIRST AMERICAN TITLE CO. on OCTOBER 17, 1985 (47,602 COCT-TLS); meets the minimum requirements of monumentation and surveys of the Albuquerque Subdivision Ordinance, and is true and correct to the best of my knowledge and belief.

Thomas T. Mann, Jr., N.M.R.L.S. No. 3792 — 2.20.86 Date

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR — THOMAS T. MANN, JR. — 3792 — STATE OF NEW MEXICO

ACKNOWLEDGEMENT

STATE OF NEW MEXICO)
SS
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me on this 20th day of February, 1986.

Notary Public

OFFICIAL SEAL
CHARLES G. CALA, JR.
NOTARY PUBLIC - STATE OF NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires 5-6-86

Mountain Bell — 2-20-86 Date
Public Service Company of New Mexico — 2-20-86 Date
Gas Company of New Mexico — 2-20-86 Date

Tom Mann Associates, Inc.
811 DALLAS N.E. • ALBUQUERQUE • NEW MEXICO • 87
ENGINEERS

JOB NO. 51101

CITY JOB NO. 285380 SHEET 2 OF 9

86104671

C31 190

~~86-41918~~ CORRECTED

PLAT OF

ATRISCO BUSINESS PARK, UNIT 3

A REPLAT OF

TRACTS E & F, ATRISCO BUSINESS PARK, UNIT 1

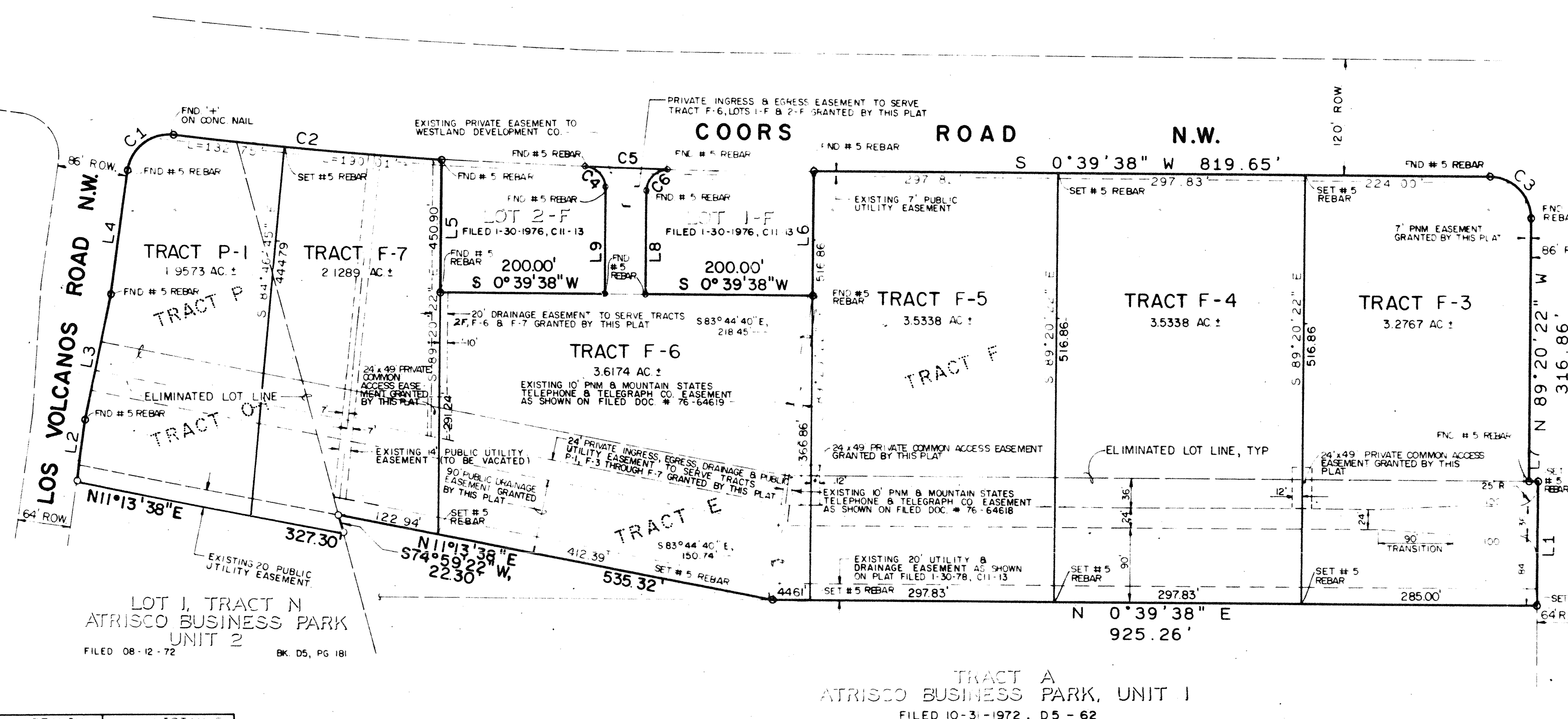
AND

TRACTS O & P, ATRISCO BUSINESS PARK, UNIT 2

ALBUQUERQUE, NEW MEXICO

JANUARY, 1986

C-30 105



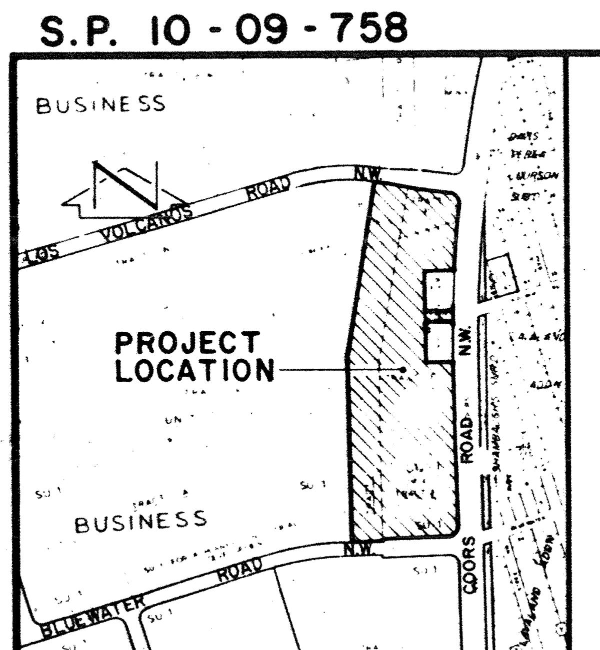
LINE	BEARING	DISTANCE
L1	N 89°20'22" W	150.00
L2	S 81°55'22" E	74.02
L3	S 77°50'14" E	154.39
L4	S 81°55'22" E	150.74
L5	N 89°20'22" W	159.66
L6	S 89°20'22" E	150.00
L7	S 0°39'38" W	11.00
L8	N 89°20'22" W	125.30
L9	S 89°20'22" E	127.18

CURVE	ARC	DELTA	RADIUS
C1	77.74	89°05'14"	50.00
C2	322.76	3°11'39"	5789.58
C3	78.54	90°00'00"	50.00
C4	38.59	88°25'50"	25.00
C5	99.59	0°59'08"	5789.58
C6	39.52	90°35'02"	25.00

Tom Mann & Associates, Inc.
811 DALLAS N.E. · ALBUQUERQUE · NEW MEXICO
ENGINEERS

JOB NO. 51101

SHEET 2 OF 2



VICINITY MAP J8 K-10
SCALE 1" = 800'

86104671 CORRECTED

PLAT OF

ATRISCO BUSINESS PARK, UNIT 3

A REPLAT OF

TRACTS E & F, ATRISCO BUSINESS PARK, UNIT 1

AND

TRACTS O & P, ATRISCO BUSINESS PARK, UNIT 2

ALBUQUERQUE, NEW MEXICO

JANUARY, 1986

C31-190

C-30 104

NOTE: THIS PLAT CORRECTED FOR THE PURPOSE OF SHOWING THE CORRECT CONFIGURATION OF FORMER TRACT O-1 AND THE RELATED EXISTING EASEMENT

Notes:

1. A field survey was performed on 2-24-1986 (N.M.L.S. No 6401)
2. No street mileage was created.
3. All distances are ground distances.
4. Site located within Section 15, T10N, R2E, N.M.P.M.
5. Bearing based is replat of "Tract Q of Unit No. 2, Atrisco Business Park" filed April 1, 1985, Book C26, Page 171.
6. The purpose of this plat is to subdivide the existing parcels into several tracts plus grant the easements as shown hereon.
7. For information on Coors Blvd. right-of-way refer to Koogle & Poul's plat filed 4-1-85 (C26-171).
8. Maintenance of the private ingress and egress easements granted by this plat shall be the responsibility of the respective property owner(s).
9. UTILITY EASEMENTS: Utility easements on the plat are granted for the common and joint use and benefit of:

a) The City of Albuquerque for installation, service and maintenance of water and sewer lines, valves, pumps and/or other related equipment and facilities reasonably necessary to deliver potable water to the residents of the subdivision and provide a liquid waste disposal system in accordance with the plans and procedures of the City of Albuquerque;

b) The Public Service Company of New Mexico for installation, maintenance and service of electrical lines, transformers and other equipment and related facilities reasonably necessary to provide electrical service to the residents of the subdivision;

c) The Gas Company of New Mexico for installation of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas to the residents of the subdivision;

d) Mountain Bell for the installation, service and maintenance of all telephone lines, switching equipment and other related equipment and facilities reasonably necessary to provide telephone service to the residents of the subdivision;

10. DRAINAGE EASEMENTS - Drainage easements are granted to AMAFCA and the City of Albuquerque for the benefit of all owners of the subdivision or indicated on the Plat for the passage, containment or diversion of surface waters; and between individual property owners as indicated on the Plat by reference or notation.

11. ACCESS EASEMENTS: The City of Albuquerque is hereby granted access via private ingress and egress easements shown for the purpose of allowing its various operating departments to provide service to the residents of the subdivision in the same manner to and to the same extent as though the referenced tract were dedicated public streets. "Operating departments" as referred to above shall include, but shall not be limited to, the departments of the City providing the following services:

a) Police protection
b) Fire protection
c) Water resources
d) Solid waste and liquid disposal
e) Animal control
f) Planning functions
g) Traffic engineering and control

All owners of the subdivision are granted the right to access their property over and across the referenced private ingress and egress easements.

12. Within public utility easements, the City of Albuquerque shall have the exclusive right to place underground utility lines within six (6) feet of the centerline of a water or sewer line except for perpendicular crossings or where written approval has been obtained from the City of Albuquerque, Gas Company of New Mexico, Public Service Company of New Mexico and Mountain States Telephone and Telegraph are exempted from compliance with the first sentence in this paragraph.

DESCRIPTION

A certain tract of land located within the Corporate Limits of the City of Albuquerque, New Mexico comprising Tracts E and F, Atrisco Business Park, Unit 1, as shown on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on October 31, 1972 (D05-62), Tract P, Atrisco Business Park, Unit 2, as shown on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on September 12, 1973 (D05-181), and Tract O-1, Atrisco Business Park, Unit 2, as shown on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on August 18, 1982 (C20-17), and being more particularly described as follows:

Beginning at the northwest corner of the parcel herein described being a point on the south right-of-way line of Los Volcanos Road N.W. and also being common with the northwest corner of said Tract O-1; thence S 81°55'22" E a distance of 74.02 feet along said right-of-way line; thence S 77°50'14" E a distance of 154.39 feet along said right-of-way line; thence S 81°55'22" E a distance of 150.74 feet along said right-of-way line; thence along the arc of a curve to the right with DELTA = 89°05'14", R = 50.00 feet, and L = 77.74 feet to a point on the west right-of-way line of Coors Boulevard N.W.; thence along the arc of a curve to the left with DELTA = 03°11'39", R = 5789.58 feet, and L = 322.76 feet along said right-of-way line; thence N 89°20'22" W a distance of 159.66 feet; thence S 00°39'38" W a distance of 200.00 feet; thence S 89°20'22" E a distance of 127.18 feet; thence along the arc of a curve to the left with DELTA = 88°25'50", R = 25.00 feet, and L = 38.59 feet to a point on the west right-of-way line of Coors Boulevard N.W.; thence along the arc of a curve to the left with DELTA = 00°59'08", R = 5789.58 feet, and L = 99.59 feet along said right-of-way line; thence along the arc of a curve to the left with DELTA = 90°35'02", R = 25.00 feet, and L = 39.52 feet; thence N 89°20'22" W a distance of 125.30 feet; thence S 00°39'38" W a distance of 200.00 feet; thence S 89°20'22" E a distance of 150.00 feet to a point on the west right-of-way line of Coors Boulevard N.W.; thence S 00°39'38" W a distance of 819.65 feet along said right-of-way line; thence along the arc of a curve to the right with DELTA = 90°00'00", R = 50.00 feet, and L = 78.54 feet to a point on the north right-of-way line of Bluewater Road N.W.; thence N 89°20'22" W a distance of 316.86 feet along said right-of-way line; thence S 00°39'38" W a distance of 11.00 feet along said right-of-way line; thence N 89°20'22" W a distance of 150.00 feet along said right-of-way line; thence N 00°39'38" E a distance of 925.26 feet; thence N 11°13'38" E a distance of 535.32 feet; thence S 74°59'22" W a distance of 22.30 feet; thence N 11°13'38" E a distance of 327.30 feet to the point of beginning and containing 18.0480 acres more or less.

Wayne Hanning — Mountain Bell — 2-20-86 Date

[signature] — Public Service Company of New Mexico — 2-20-86 Date

[signature] — Gas Company of New Mexico — 2-20-86 Date

~~86 41918~~

DEDICATION and FREE CONSENT
The undersigned owners of the land shown hereon do hereby consent to the subdivision of said land in the manner shown on this plat and do hereby dedicate the public rights-of-way, and grant all easements shown hereon including the rights of ingress and egress and the right to trim interfering trees.

Gil E. Cordova
GIL E. CORDOVA (C.E.O.), WESTLAND DEVELOPMENT COMPANY, INC — Date

ACKNOWLEDGEMENT
STATE OF NEW MEXICO) SS
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this ____ day of ____ 19__

Notary Public

D.R.B. 86-9
APPROVALS:

SP-86-181

Richard Dineen — Planning Director, City of Albuquerque, N.M. — 5-10-86 Date
[signature] — Water Utilities, City of Albuquerque, N.M. — 3-25-86 Date
[signature] — City Engineer, City of Albuquerque — 5-8-86 Date
[signature] — A.M.A.F.C.A. — 5-8-86 Date
Roberta Fornaugh — Traffic Engineer, City of Albuquerque, N.M. — 3-11-86 Date
Janet Saiers — Parks and Recreation, City of Albuquerque, N.M. — 2-25-86 Date
[signature] — Chief City Surveyor, City of Albuquerque, N.M. — 022886 Date
Rene Elwell — Property Manager, City of Albuquerque, N.M. — 2-24-86 Date

CERTIFICATION
I, Thomas T. Mann, Jr., a registered Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat was prepared by me or under my supervision; shows all easements noted in a title report prepared by FIRST AMERICAN TITLE CO. on OCT. 17, 1985 (47,602 COCT-TLS); meets the minimum requirements of monumentation and surveys of the Albuquerque Subdivision Ordinance, and is true and correct to the best of my knowledge and belief.

Thomas T. Mann, Jr., N.M.P.E. & L.S. 3792 — 2-20-86 Date

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR, STATE OF NEW MEXICO, THOMAS T. MANN, JR., 3792

ACKNOWLEDGEMENT
STATE OF NEW MEXICO) SS
COUNTY OF BERNALILLO)

OFFICIAL SEAL
CHARLES G. CALA, JR.
NOTARY PUBLIC · STATE OF NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires 5-6-89

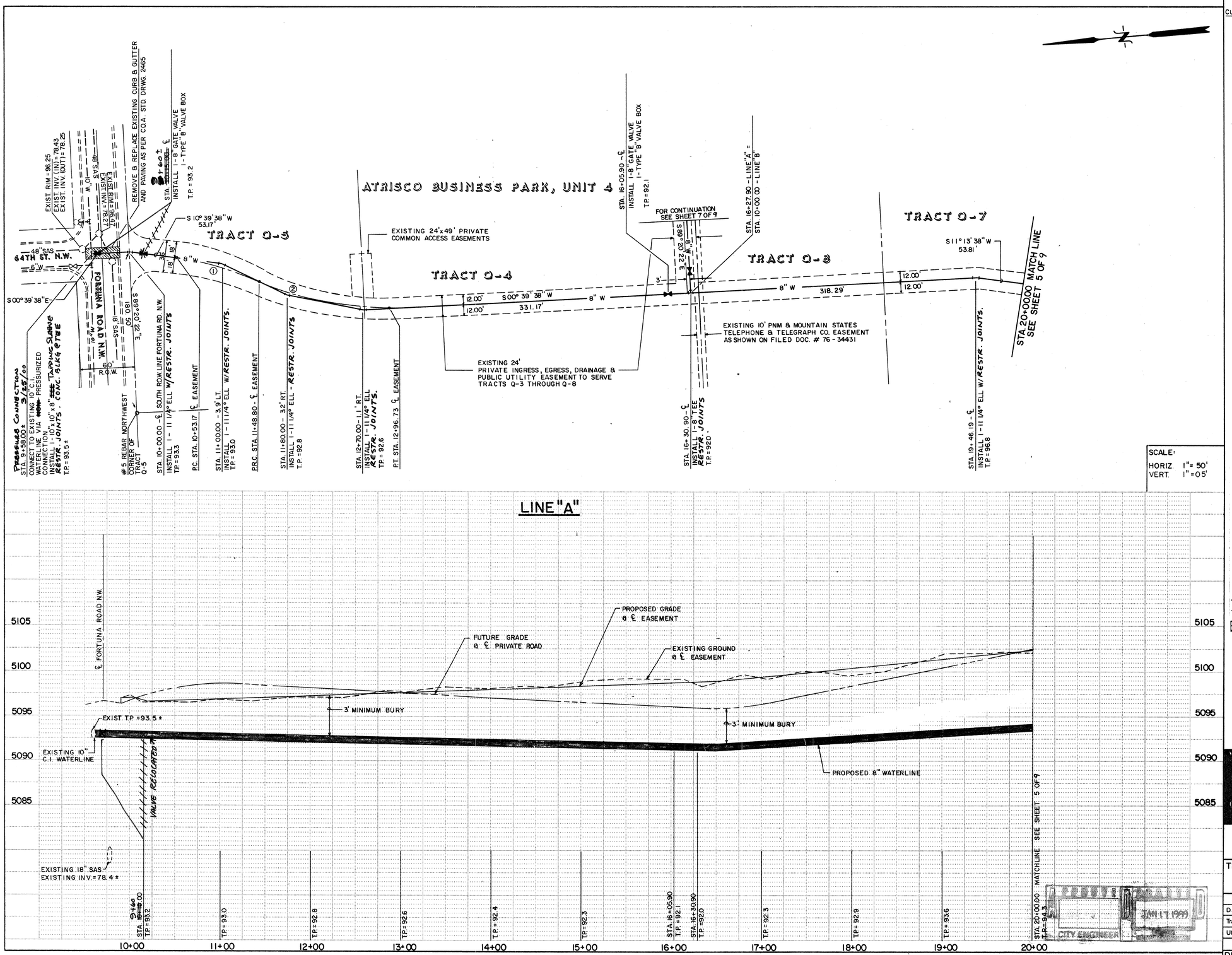
The foregoing instrument was acknowledged before me on this 20th day of February, 1986

Charles G. Cala Jr.
Notary Public

Tom Mann & Associates, Inc.
811 DALLAS N.E. · ALBUQUERQUE · NEW MEXICO
ENGINEERS

JOB NO. 51101

SHEET 1 OF 2



CURVE DATA

CURVE NO.	DELTA	RADIUS	LENGTH
1	19° 25' 45"	282.00'	95.63'
2	29° 25' 45"	288.00'	147.93'

WATER AND SANITARY SEWER

1. All stationing and offset dimensions are based on centerline of easement.
2. The following City of Albuquerque standard drawings are applicable to the water and sanitary sewer construction:

2101	2145
2102	2315
2107	2320
2110	2326
2118	2328
	2525

RESTRAINED JOINT DATA

FITTING	RESTRAINED LENGTH (ft)
8"x 6"x 6" TEE	73
8"x 8"x 8" TEE	73
8"x 10" x 10" TEE	73
8" x 16" x 16" COLLAR	73
8" x 12" CROSS	73
8" – 11 1/4° BEND	3
8" GATE VALVE	3

LEGEND

- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE
- EXISTING MANHOLE
- EXISTING CURB & GUTTER
- EXISTING WATERLINE
- EXISTING SANITARY SEWER LINE
- PROPOSED MANHOLE
- PROPOSED GATEVALVE
- PROPOSED WATERLINE
- PROPOSED SANITARY SEWER LINE
- PROPERTY LINE
- CENTERLINE
- REMOVE & REPLACE EXISTING CURB & GUTTER AND PAVING

ESPEY, HUSTON & ASSOCIATES, INC.
Engineering & Environmental Consultants
317 COMMERCIAL ST. N.E.
ALBUQUERQUE, NEW MEXICO 87102
PHONE: (505) 242-1909

AS BUILT INFORMATION

CONTRACTOR NEW CONCEPTS
WORK STAKED BY CITY OF ALBUQ. DATE 3/00
INSPECTOR'S ACCEPTANCE BY G. SHEHADO DATE 3/00
FIELD VERIFICATION BY G. SHEHADO DATE 3/00
DRAWINGS CORRECTED BY G. SHEHADO DATE 3/31/00
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS

#16 - J11" is on Albuquerque control survey. Brass cap located 157.0' south of the intersection of Fortuna Road NW and Coors.
Road NW. Elevation = 5096.67 feet (M.S.L.D.).

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
211	G. ROMERO	4/22/87

ENGINEER'S SEAL

PAUL T. BRASHER
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
7-13-89

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

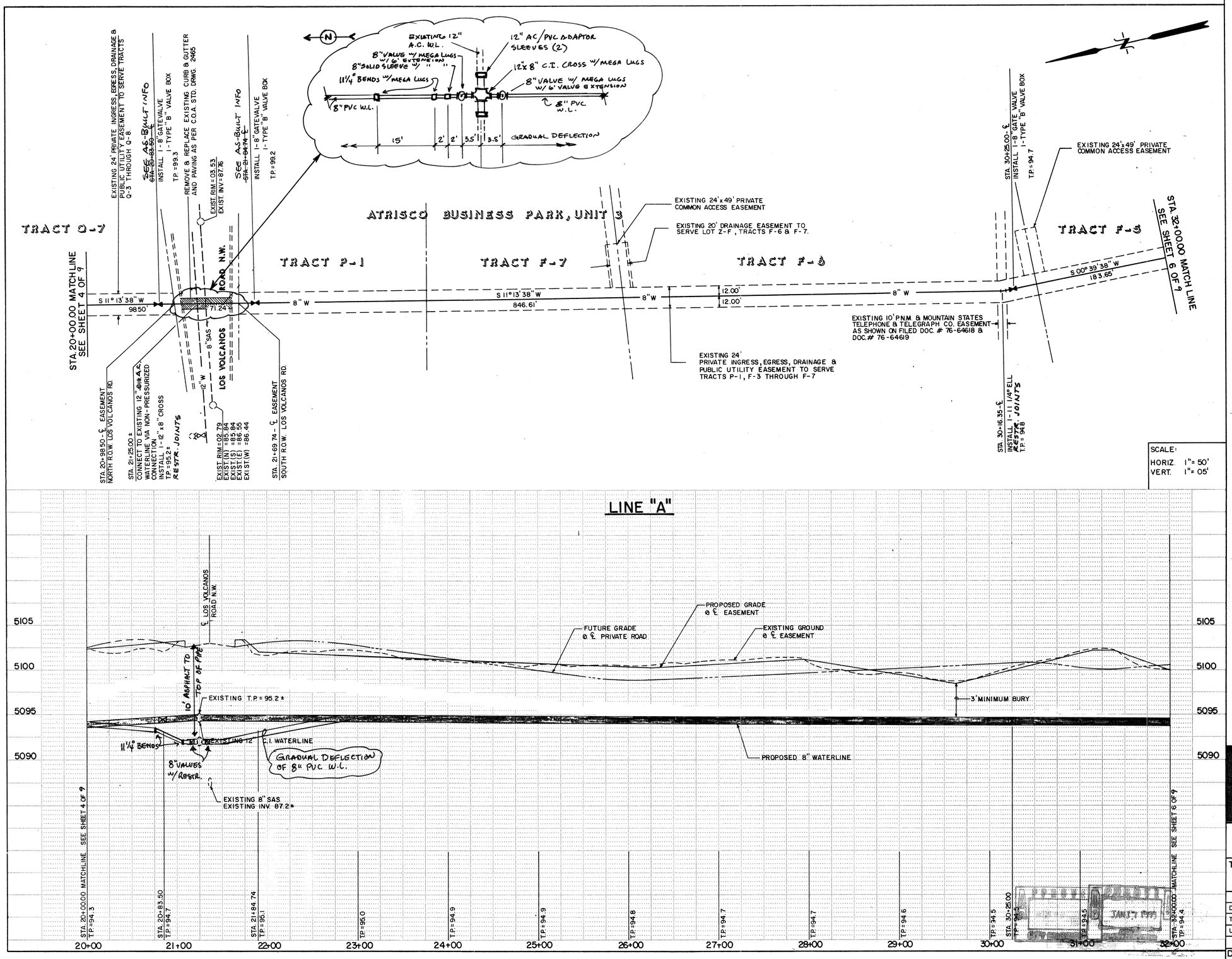
DESIGNED BY J.K.O. DATE 7/87
DRAWN BY J.S. DATE 7/87
CHECKED BY P.B. DATE 7-89 11-89

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: ATRISCO BUSINESS PARK
UNIT 3 AND UNIT 4
WATER PLAN & PROFILE
LINE "A" STA. 9+57.50 TO STA. 20+00.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		8/5/87			
Trans. Dev.	NADWH	8/4/87			
Utility Dev.	J. Entzgroot	8/5/87			

DRAWING NO. 285380 | MAP NO. J-10 | SHEET 4 OF 9



SCALE:
HORIZ. 1" = 50'
VERT. 1" = 05'

WATER AND SANITARY SEWER

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LEGEND

- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE
- EXISTING MANHOLE
- EXISTING CURB & GUTTER
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ESPEY, HUSTON & ASSOCIATES, INC.
Engineering & Environmental Consultants
317 COMMERCIAL ST. N.E.
ALBUQUERQUE, NEW MEXICO 87102
PHONE: (505) 243-1909

AS BUILT INFORMATION
CONTRACTOR NEW CONCEPTS
WORK STAKED BY CITY OF ALBUQUE DATE 3/00
INSPECTOR'S FIELD VERIFICATION BY G. SHEWARD DATE 3/00
REDLINE VERIFICATION BY G. SHEWARD DATE 3/00
CORRECTED BY G. SHEWARD DATE 3/00
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
"16 - 11" is on Albuquerque control survey. Brass cap located 157.0' south of the intersection of Fortuna Road NW and Coors. Elevation = 5096.67 feet (M.S.L.D.).

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
211	G. ROMERO	4/22/87

ENGINEER'S SEAL
PAUL T. BRASHER
NEW MEXICO
LICENSED PROFESSIONAL ENGINEER
N. 13-97

NO.	DATE	REMARKS	BY
		REVISIONS	

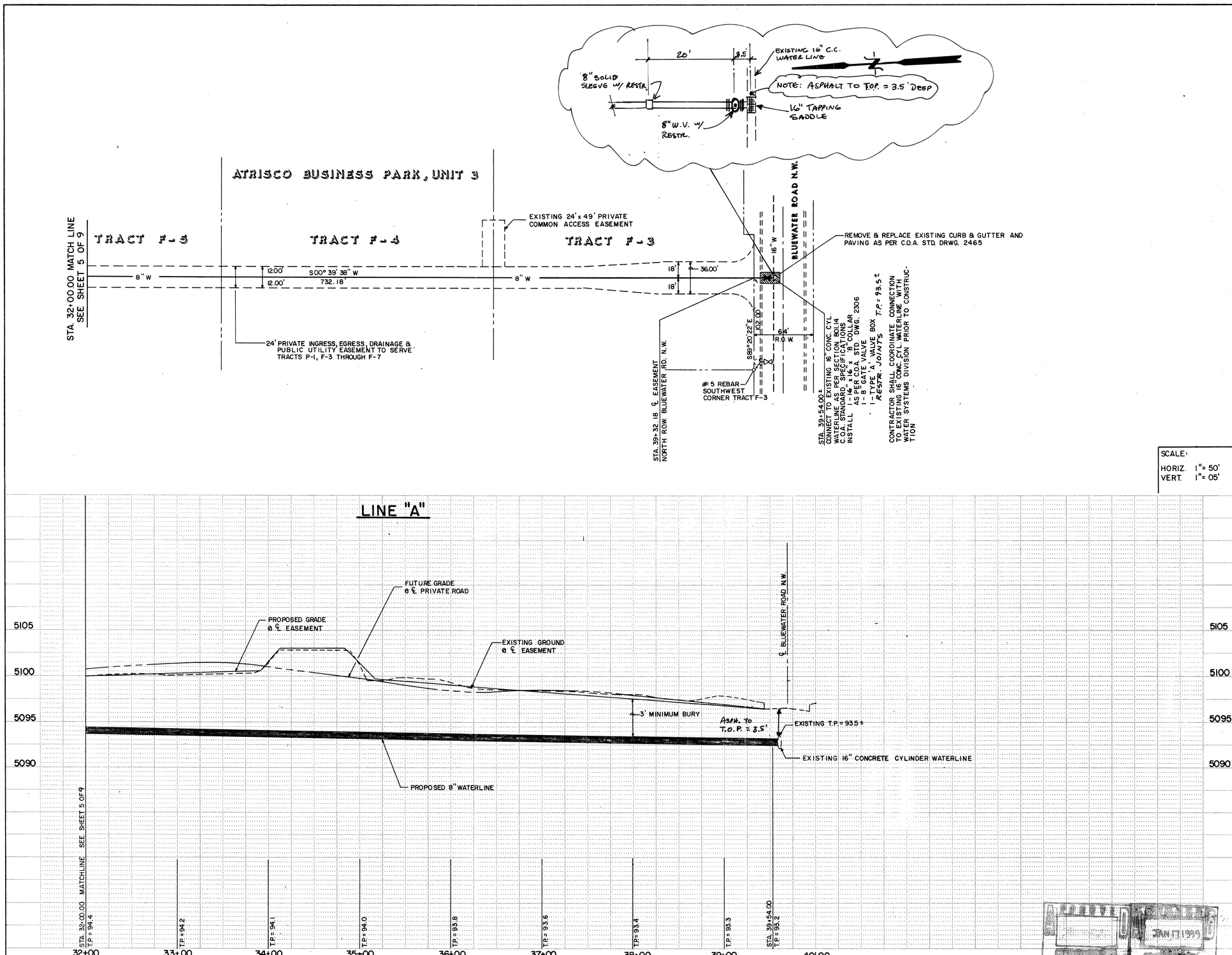
DESIGN
DESIGNED BY J.T.O. DATE 7/87
DRAWN BY A.C. DATE 7/87
CHECKED BY D.A. DATE 11-97

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: ATRISCO BUSINESS PARK
UNIT 3 AND UNIT 4
WATER PLAN & PROFILE
LINE "A" STA. 20+00.00 TO STA. 32+00.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		8/5/87			
Trans. Dev.	NA DWH	8/4/87			
Utility Dev.	J.E. Entzgroot	8/5/87			

DRAWING NO.	MAP NO.	SHEET	OF
205380	J-10	5	9



WATER AND SANITARY SEWER

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FITTING	RESTRAINED LENGTH (ft)
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LEGEND

- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE
- EXISTING MANHOLE
- EXISTING CURB & GUTTER
- —W— EXISTING WATERLINE
- —SAS— EXISTING SANITARY SEWER LINE
- PROPOSED MANHOLE
- PROPOSED GATEVALVE
- —W— PROPOSED WATERLINE
- —SAS— PROPOSED SANITARY SEWER LINE
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- REMOVE & REPLACE EXISTING CURB & GUTTER AND PAVING

ESPEY, HUSTON & ASSOCIATES, INC.
Engineering & Environmental Consultants
317 COMMERCIAL ST. N.E.
ALBUQUERQUE, NEW MEXICO 87102
PHONE: (505) 242-1909

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: ATRISCO BUSINESS PARK
UNIT 3 AND UNIT 4
WATER PLAN & PROFILE
LINE "A" STA. 32+00.00 TO STA. 39+54.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		3/5/99			
Trans. Dev.		3/4/99			
Utility Dev.		2/5/99			

DRAWING NO.	MAP NO.	SHEET	OF
285380	J-10	6	9

AS BUILT INFORMATION
CONTRACTOR New Concepts
WORK STAKED BY City of Albuq DATE 3/00
INSPECTOR'S ACCEPTANCE BY G. Shende DATE 3/00
FIELD VERIFICATION BY G. Suenno DATE 3/00
DRAWINGS CORRECTED BY G. Suenno DATE 3/00
MICRO-FILM INFORMATION
RECORDED BY DATE
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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
211	G. ROMERO	4/22/98

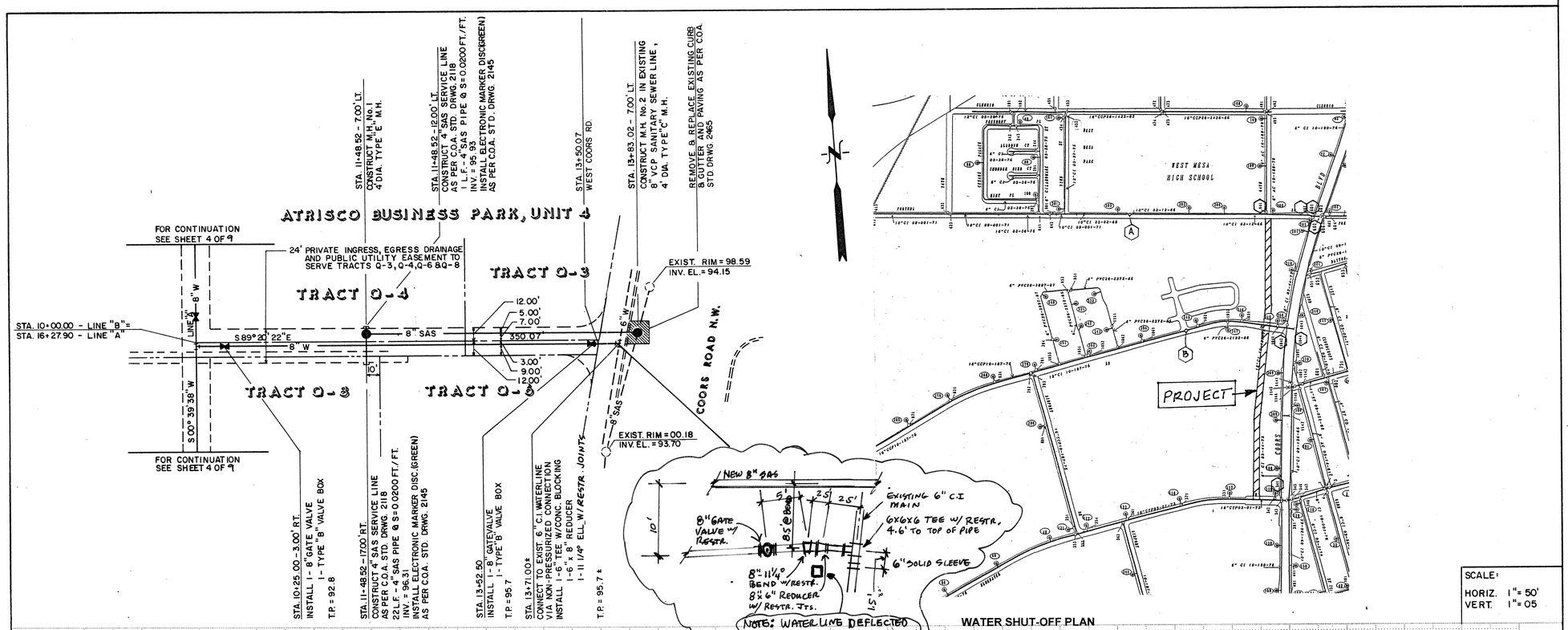
ENGINEER'S SEAL
PAUL T. BRASHER
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
12-15-97

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY J.R.G. DATE 7/97
DRAWN BY D.S. DATE 7/97
CHECKED BY D.B. DATE 7/97 11-99

JAN 17 1999



SCALE:
HORIZ. 1" = 50'
VERT. 1" = 05

WATER SHUT-OFF PLAN

1. ALL 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 FOR SYSTEM SHUTDOWN. CALL 857-8200.
3. EACH SYSTEM SHUTDOWN IS LIMITED TO 8 HOURS.
4. CONNECTION TO THE EXISTING 10 INCH AT FORTUNA REQUIRES CLOSING THE FOLLOWING VALVES:

   #941 @ 64TH ST.
   #601, #602 & #607 @ COORS/FORTUNA
   VALVE 'A' @ FORTUNA/QUAILBRUSH

5. CONNECTION TO THE EXISTING 12 INCH @ LOS VOLCANES REQUIRES CLOSING THE FOLLOWING VALVES:

   #1042 & #1044 @ COORS/LOS VALCANES
   #341 @ COORS/BLUEWATER
   VALVE 'B' @ LOS VOLCANES/ROSEBUD

6. CONNECTION TO THE 16 INCH CONC. CYL @ BLUEWATER WILL BE BY NON-PRESSURIZED CONNECTION. VALVES 341, 343, 345, 352, 353 AND 362 SHALL BE CLOSED, UNLESS INSTRUCTED OTHERWISE BY OPERATIONS.

APPROVED CITY ENGINEER — JAN 17 1999

WATER AND SANITARY SEWER

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Engineering & Environmental Consultants
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ALBUQUERQUE, NEW MEXICO 87102
PHONE: (505) 242-1900

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: ATRISCO BUSINESS PARK
UNIT 3 AND UNIT 4
WATER & SANITARY SEWER PLAN & PROFILE
LINE "B" STA.10+00.00 TO STA.13+83.02

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		8/5/97			
Trans. Dev.		8/4/97			
Utility Dev.		8/5/97			

DRAWING NO. 285380 | MAP NO. J-11 | SHEET 7 OF 9

SURVEY INFORMATION — FIELD NOTES

NO.	BY	DATE
211	G. ROMERO	4/22/81

BENCH MARKS: "16 - J11" is on Albuquerque control survey. Brass cap located 157.0' south of the intersection of Fortuna Road NW and Coors Rd. Elevation = 5096.67 feet (M.S.L.D.).

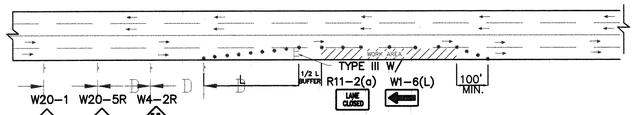
AS BUILT INFORMATION
CONTRACTOR NEW CONCEPTS
WORK STAKED BY CITY OF ALBUQ. DATE 8/00
INSPECTOR'S ACCEPTANCE BY G. SHENDO DATE 8/00
FIELD VERIFICATION BY G. SHENDO DATE 3/00
DRAWINGS CORRECTED BY G. SHENDO DATE 3/00
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL — PAUL T. BRASHER, NEW MEXICO, 12-18-98, PROFESSIONAL ENGINEER

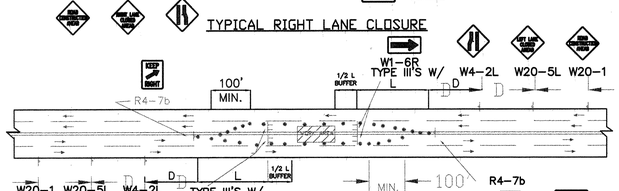
NO.	DATE	REMARKS	BY

REVISIONS

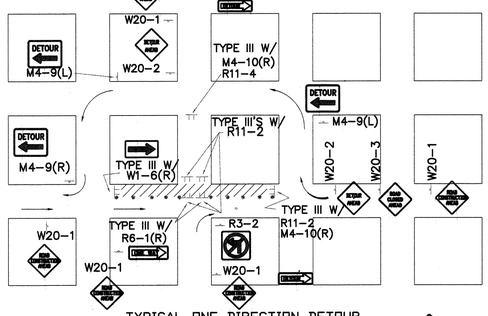
DESIGNED BY J.T.O. DATE 7/97
DRAWN BY J.S. DATE 7/97
CHECKED BY DB DATE 7/97



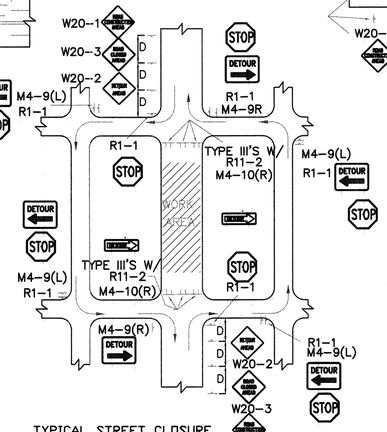
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

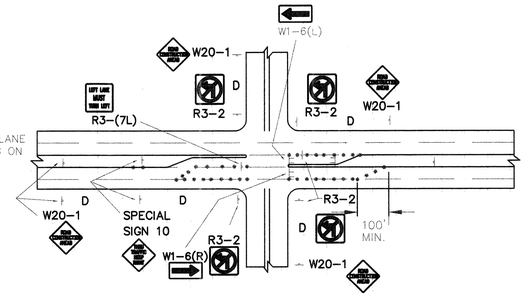


TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

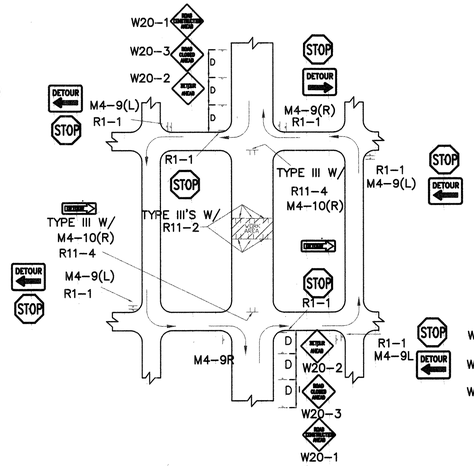
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



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

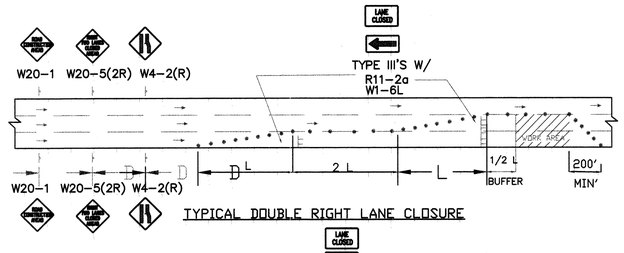
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION

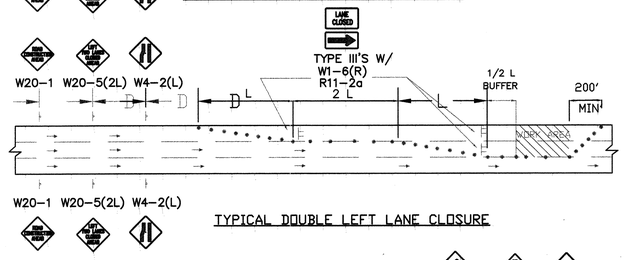


TYPICAL MID-BLOCK CLOSURE

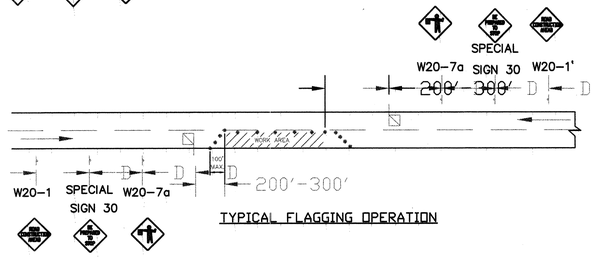
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



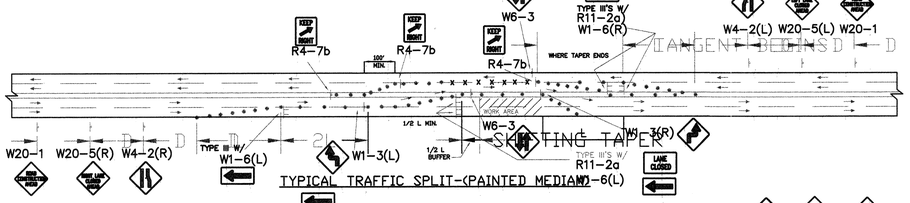
TYPICAL DOUBLE RIGHT LANE CLOSURE



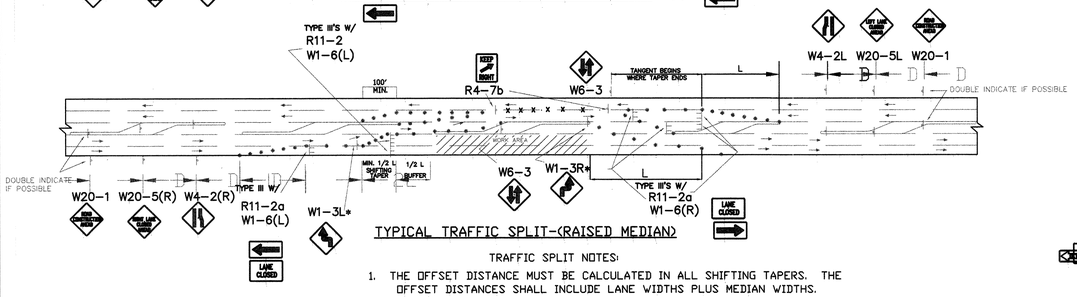
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

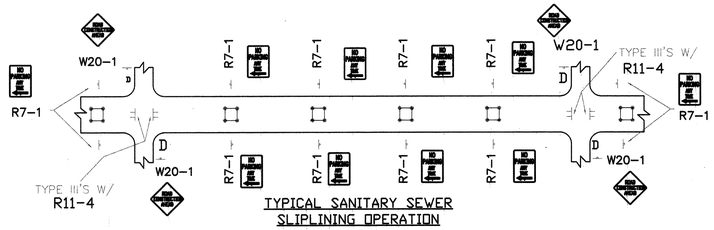
TRAFFIC SPLIT NOTES:

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.

GENERAL NOTE:

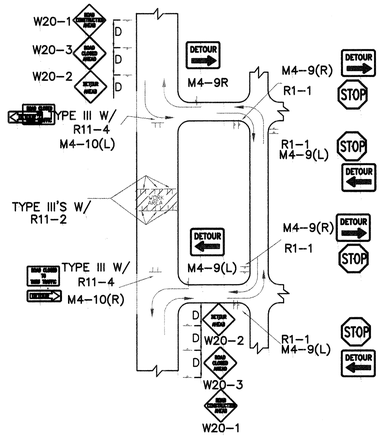
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

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.



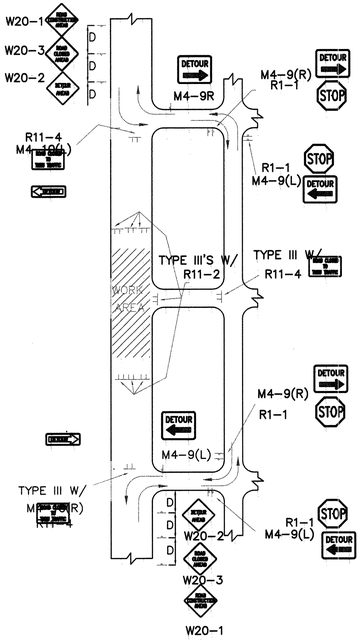
TYPICAL SANITARY SEWER SLIPLINING OPERATION

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



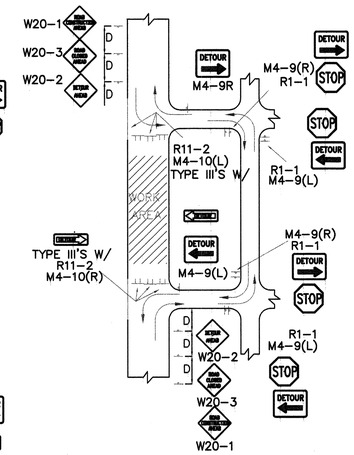
TYPICAL STREET CLOSURE

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.

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
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MICRO-FILM INFORMATION

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NO.	

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

PAUL T. BRASHER NEW MEXICO 7262 REGISTERED PROFESSIONAL ENGINEER 12-18-99

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	C.O.A. STANDARDS	DATE
DRAWN BY		DATE
CHECKED BY		DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ATRISCO BUSINESS PARK
UNIT 3 AND UNIT 4
WATER & SANITERY SEWER IMPROVEMENTS

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

PROJECT NO.	MAP NO.	SHEET	OF
2853~~00~~		8	9

TRAFFIC.DWG

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 NOT BEGIN WORK BEFORE 7:00 A.M. OR END WORK AFTER 7:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

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.

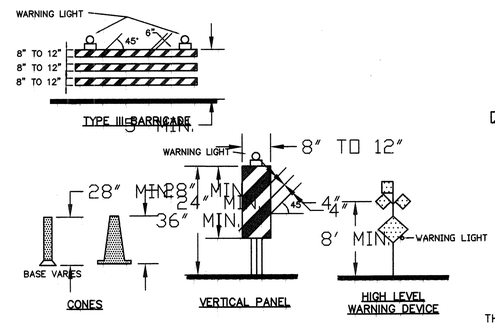
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS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

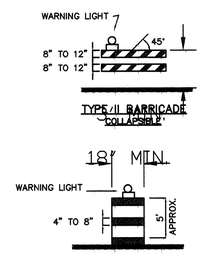
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.



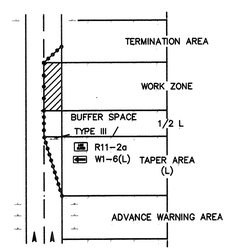
LEGEND

- 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

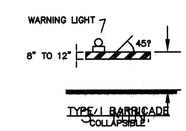
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET



BARREL



TRAFFIC CONTROL ELEMENTS



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

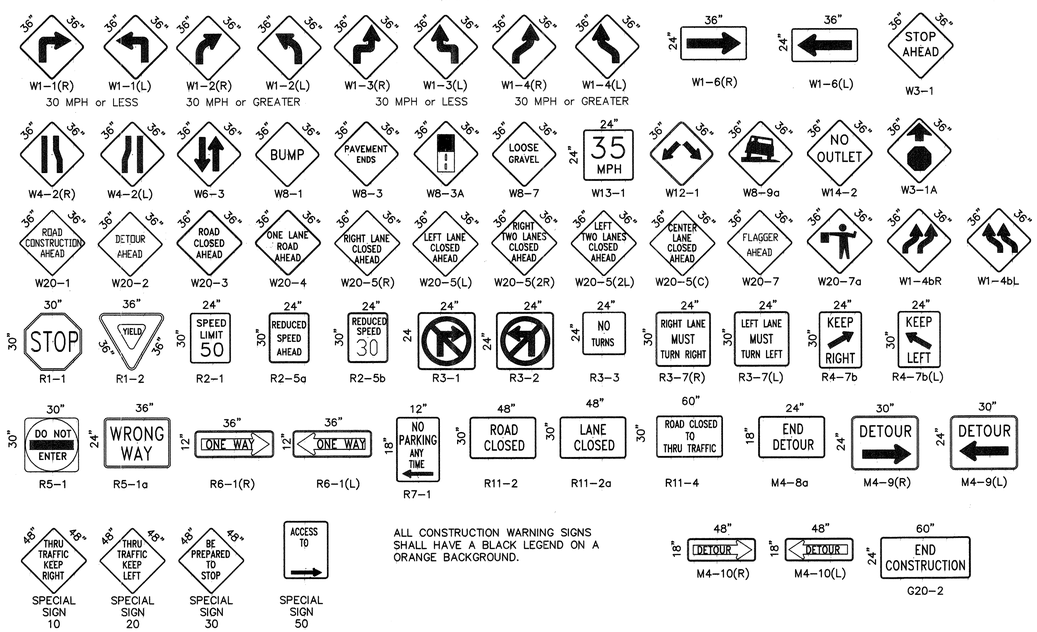
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

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.

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PAUL T. BRASHER NEW MEXICO 7882 REGISTERED PROFESSIONAL ENGINEER 12-15-99

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DRAWN BY C.O.A. STANDARDS — DATE
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285380		9	9

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