

• LEGEND •

MATERIALS

CONCRETE

RIP-RAP

LINES

SUBDIVISION BOUNDARY

PROPERTY LINE (PLAN)

PROPERTY LINE (SECTION)

CENTERLINE

EASEMENT LINE

MATCH LINE

SECTION CUT LINE

EARTHWORK

CONTOUR LINE

SPOT ELEVATION

PROJECT / PHASE BOUNDARY

FLOWLINE

DIRECTION OF FLOW

MISCELLANEDUS UTILITIES

GAS LINE

UNDERGROUND TELEPHONE

UNDERGROUND ELECTRICAL

STORM DRAIN

STORM DRAIN MANHOLE

STORM DRAIN INLET

SANITARY SEWER

SANITARY SEWER LINE

SANITARY SEWER MANHOLE

SAS SERVICE CONNECTIONS

SAS CAP OR PLUG

ENCASEMENT

WATER

WATER LINE

WATER SERVICE CONNECTIONS

GATE VALVE

FIRE HYDRANT

BUTTERFLY VALVE

REDUCER

WATER PRESSURE ZONE BOUNDARY

WATER FITTINGS

CAPS AND PLUGS

ELBOW

CROSS

TEE

MISCELLANEDUS

CHAINLINK FENCE

FIELD FENCE

COMMON YARD WALL

RETAINING WALL

POWER OR TELEPHONE POLE

RECORD DRAWING

CONSTRUCTION PLANS

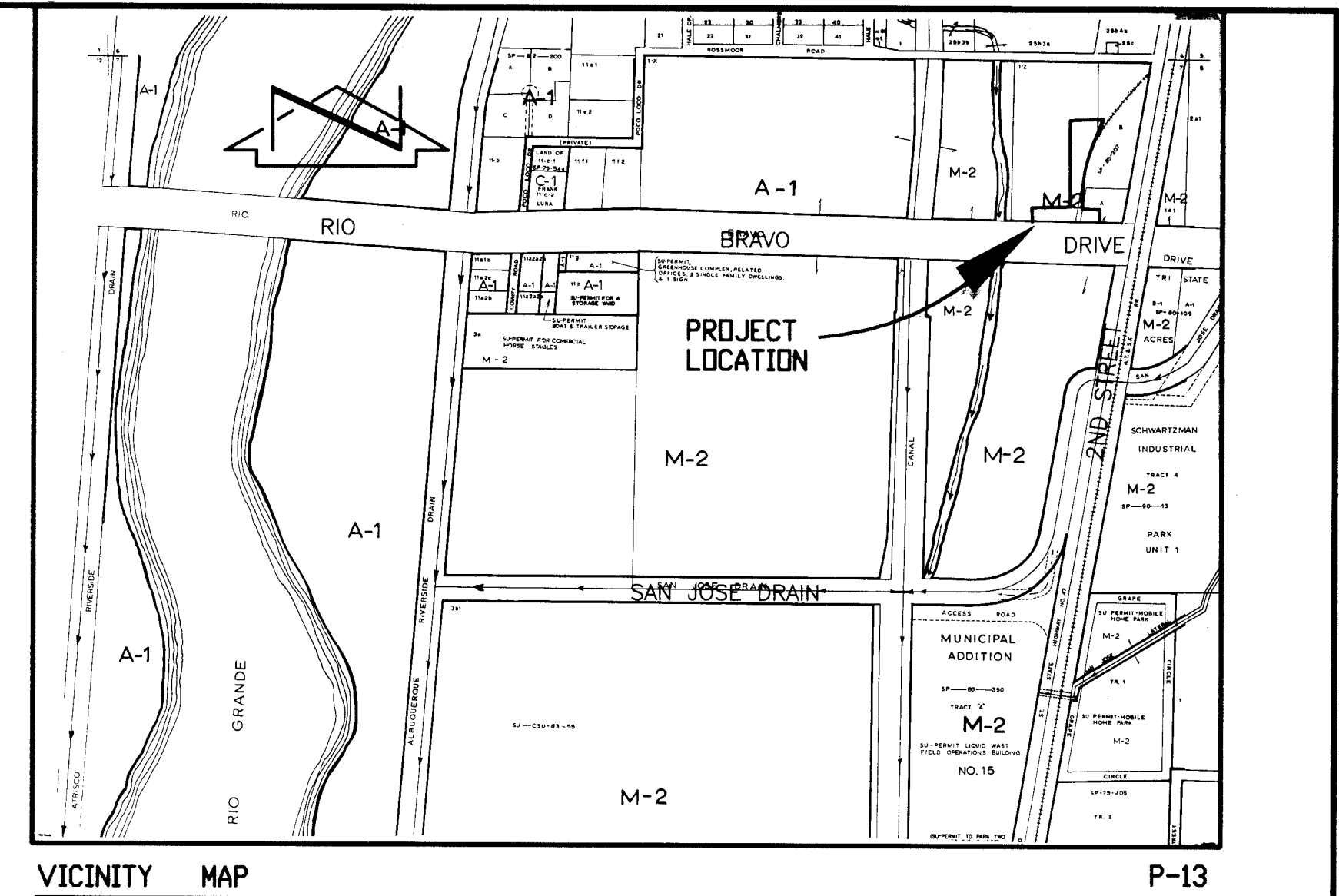
for

FURROWS - RIO BRAVO

WATERLINE EXTENSIONS

ALBUQUERQUE, NEW MEXICO

JUNE, 1995



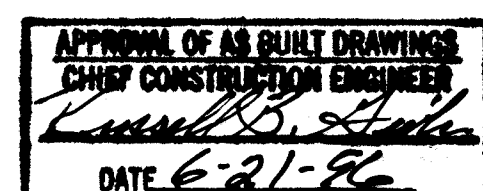
- GENERAL NOTES:
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS-PUBLIC WORKS CONSTRUCTION-1986 - UPDATE NO. 6.
 - TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
 - IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
 - SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
 - THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
 - ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
 - ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
 - BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
 - TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
 - SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
 - ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
 - CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION. THE WATER SYSTEM DIVISION PHONE NUMBER IS 857-8200.
 - CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BARE 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 ELEVATION 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 SPECIFICATIONS.
 - CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES AND SCHEDULES WITH THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPT. (NMSHTD) AND THE BERNALILLO COUNTY PUBLIC WORKS DEPT. (BCPWD).
 - ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
 - CONTRACTOR SHALL SECURE AND PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
 - ALL BACKFILL AND COMPACTION WITHIN COUNTY RIGHT-OF-WAY AND/OR EASEMENT SHALL BE 95% ASTM D-1557 FOR THE FULL DEPTH OF TRENCH PER COUNTY STANDARD DRAWING 2465.
 - THIS PROJECT IS TO BE CONSTRUCTED UNDER, AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE MASTER UTILITY EASEMENT AND RIGHT-OF-WAY AGREEMENT ENTERED INTO BETWEEN THE COUNTY OF BERNALILLO AND THE CITY OF ALBUQUERQUE, EFFECTIVE DATE 8/20/90.
 - CAUTION: THESE DRAWINGS TO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
 - ANY WORK OCCURING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	PLAT
3	WATERLINE EXTENSION SITE PLAN
4	WATERLINE EXTENSION PLAN AND PROFILE
5	SECTIONS AND DETAILS
6	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
7	TYPICAL TRAFFIC CONTROL AND SIGNING EXAMPLES (REF. M.U.T.C.D.)

RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen
Professional Engineer
No. 8547
Date 04-13-96



SCANNED BY
BY LASON

26-5252.90 01/96

950021

APPROVAL OF REVISIONS

REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
1-5			04/96						

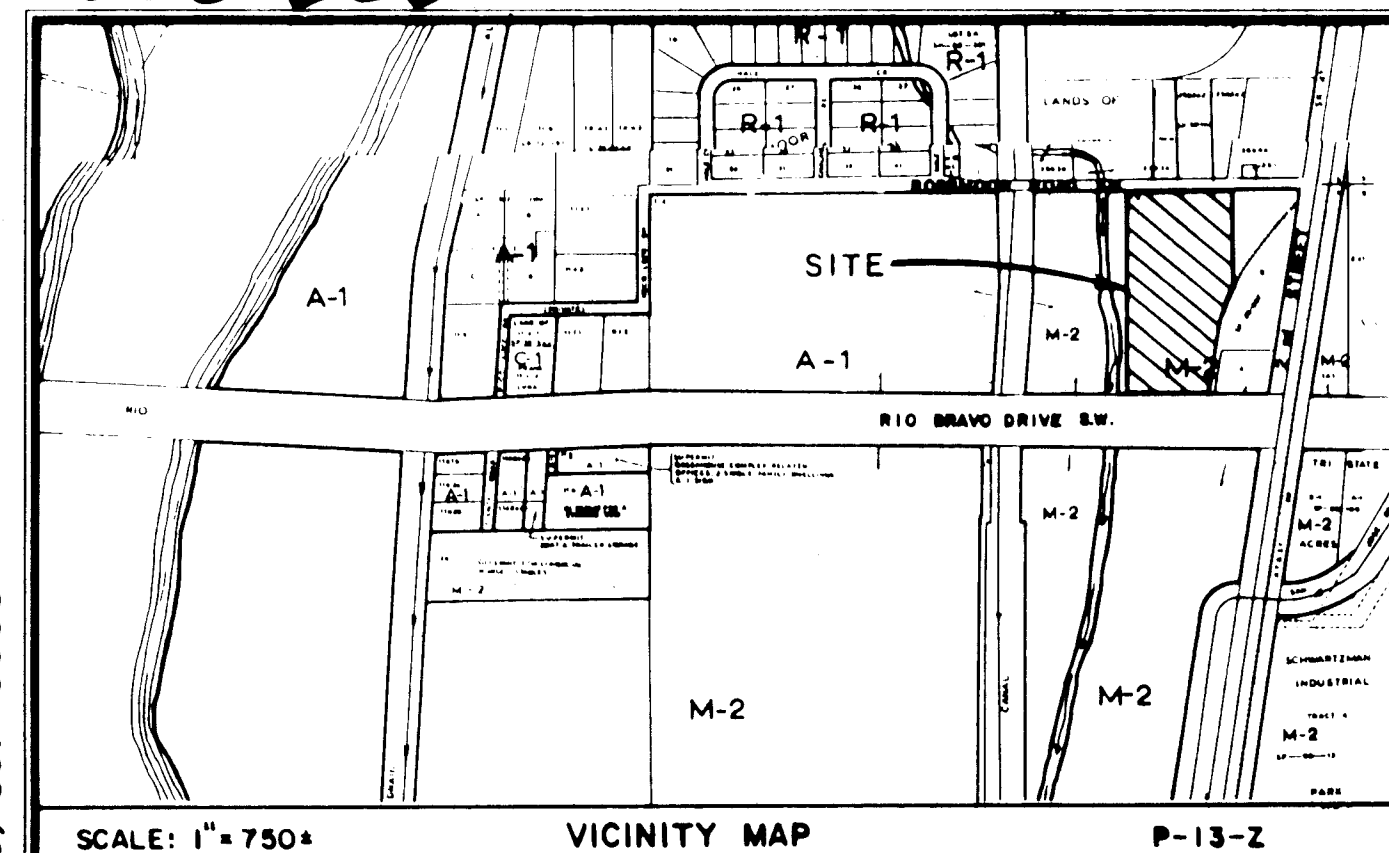
Jeffrey G. Mortensen & Associates, Inc.
1000-9 MEYER PARK BLVD. NE.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS & SURVEYORS (505) 345-4250

PROJECT NO. 5252.90

SHEET 1 OF 7

930-239

930-239



SUBDIVISION DATA:

SUBDIVISION CASE NO. DRB-93-50

GROSS SUBDIVISION ACREAGE 7.0150 AC

ZONE ATLAS INDEX NO. P-13-Z

NO. OF EXISTING TRACTS 2

NO. OF TRACTS CREATED 2

MILES OF FULL-WIDTH STREETS CREATED N/A

MILES OF HALF-WIDTH STREETS CREATED N/A

DATE OF SURVEY DECEMBER 1992

SP LOG NO. 92123012500185

NOTES:

1. THE PURPOSE OF THIS PLAT IS TO CORRECT A NON-CONFORMING SUBDIVISION THAT OCCURRED WHEN TRACT 12 WAS DIVIDED BY METES AND BOUNDS DESCRIPTION AND CONVEYED BY SPECIAL WARRANTY DEED (FILED APRIL 14, 1986, BK 268A, PG 21-23) FROM PAYLESS CASHWAYS, INC. TO BYZ ENTERPRISES.

2. BEARING BASE FOR THIS SURVEY AND REPLAT IS THE SPECIAL WARRANTY DEED OF RECORD FILED APRIL 14, 1986, BK 268A, PG 21-23, ROTATE BEARINGS CLOCKWISE 0°15'50" TO OBTAIN STATE PLANE GRID BEARINGS. BEARINGS AND DISTANCE SHOWN IN PARENTHESES ARE RECORD.

3. BY APPROVING THIS DOCUMENT, PNM AND U.S. WEST COMMUNICATIONS DO NOT WAIVE OR RELEASE ANY EASEMENT OR EASEMENT RIGHT WHICH MAY HAVE BEEN GRANTED BY PRIOR PLAT, REPLAT OR DOCUMENT.

4. THE 10' WIDE PUBLIC SERVICE COMPANY OF NEW MEXICO UTILITY EASEMENT SHOWN ON THIS PLAT IS GRANTED FOR THE INSTALLATION, MAINTENANCE, AND SERVICE OF UNDERGROUND ELECTRICAL LINES, TRANSFORMERS, POLES AND ANY OTHER EQUIPMENT, FIXTURES, STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICE. INCLUDED IS THE RIGHT TO BUILD, REBUILD, 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), HOT TUB, CONCRETE OR WOOD POOL, DECKING, OR OTHER STRUCTURE SHALL BE ERECTED OR CONSTRUCTED ON SAID EASEMENTS, NOR SHALL ANY WELL BE DRILLED OR OPERATED THEREON. PROPERTY OWNERS SHALL BE SOLELY RESPONSIBLE FOR CORRECTING ANY VIOLATIONS OF NATIONAL ELECTRIC SAFETY CODE CAUSING BY CONSTRUCTION OR POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO OR NEAR EASEMENTS SHOWN ON THIS PLAT.

FREE CONSENT AND DEDICATION:

THE SUBDIVISION SHOWN HEREON IS WITH THE FREE CONSENT OF 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 GRANT, ALL ACCESS AND UTILITY EASEMENTS SHOWN HEREON (SEE NOTE 4), 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.

OWNER TRACT A

BYZ ENTERPRISES, A PARTNERSHIP

BY: *Allen J. Boomer* PARTNER

06-1-14-93

STATE OF NEW MEXICO

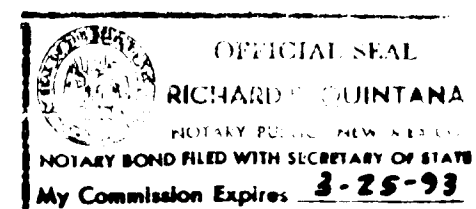
COUNTY OF BERNALILLO

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 2ND DAY OF FEBRUARY 1993 BY ALLEN J. BOOMER, THOMAS M. YATES, AND VICTOR K. ZURCHER ON BEHALF OF SAID PARTNERSHIP.

BY: *Richard O. Quintana*

NOTARY PUBLIC

MY COMMISSION EXPIRES: MARCH 25, 1993



OWNER TRACT B

PAYLESS CASHWAYS, INC., AN IOWA CORPORATION

BY: *Linda J. French*

SENIOR VICE PRESIDENT

GENERAL COUNSEL/SECRETARY

STATE OF MISSOURI

COUNTY OF JACKSON

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 7th DAY OF JAN, 1993

1993 BY LINDA J. FRENCH ON BEHALF OF SAID CORPORATION.

BY: *Angela Dale*

MISSOURI PUBLIC

11/19/95

NOTARY PUBLIC

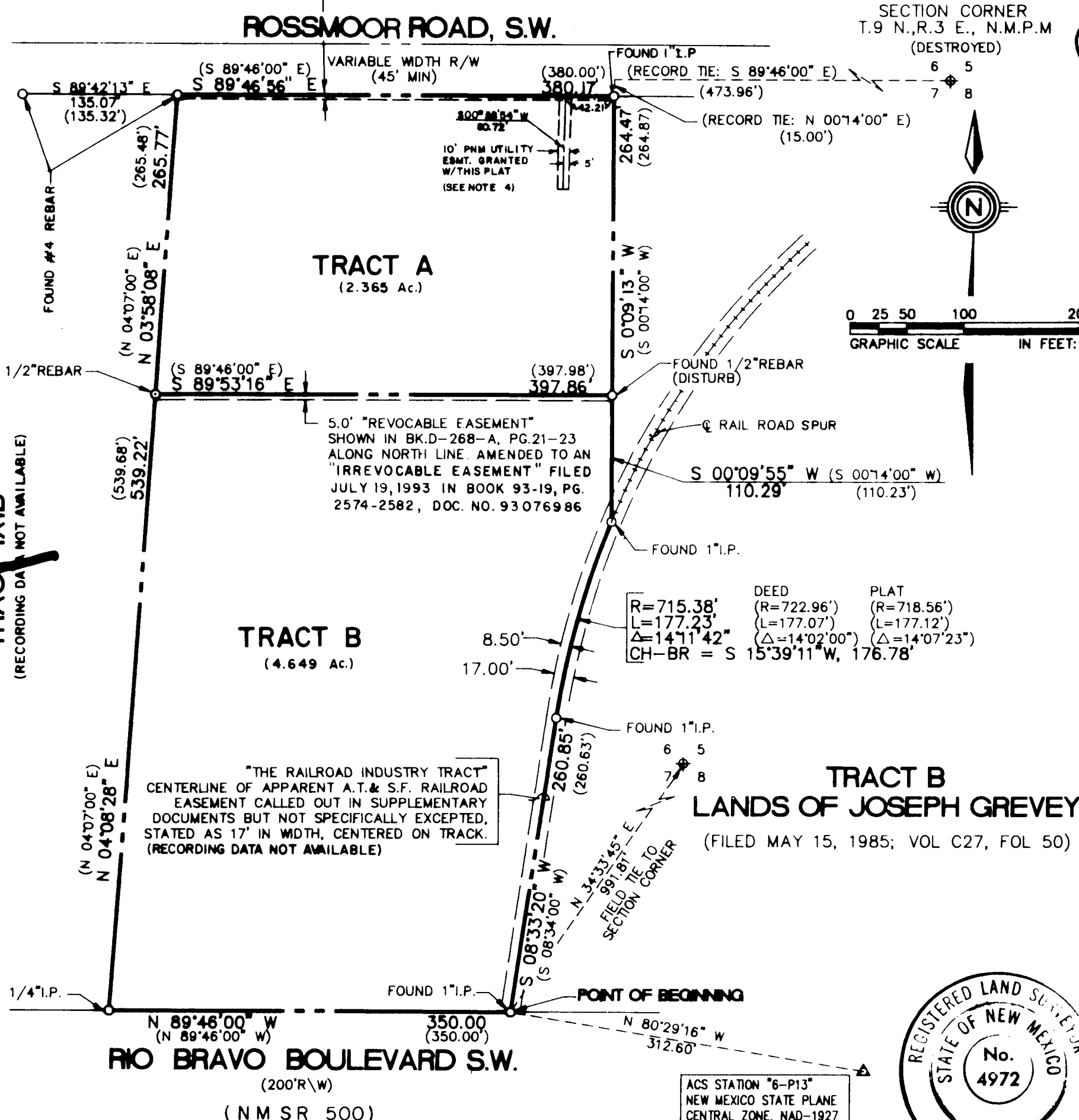
My Commission Expires: 11/19/95

NOTARY SEAL

Richard O. Quintana

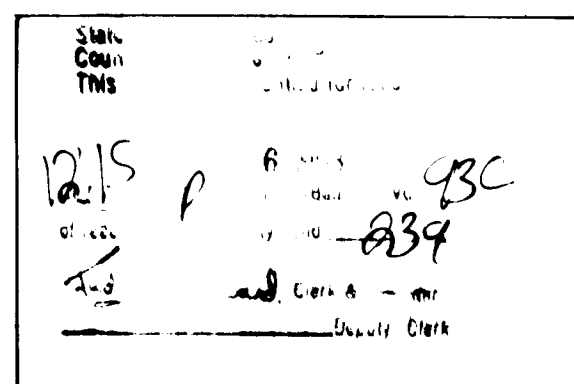
Notary Public, State of New Mexico

My Commission Expires: 3-25-93



93089.00 PLAT OF LANDS OF PAYLESS CASHWAYS/BYZ ENTERPRISES

TRACTS A AND B
SITUATE WITHIN
SECTION 7, T9N, R3E, N.M.P.M.
BERNALILLO COUNTY, NEW MEXICO
FEBRUARY, 1993



RESERVED FOR COUNTY CLERK

APPROVALS

SUBDIVISION CASE NUMBER: SP-93-140

DATE: 8/4/93

DATE: 8-16-93

DATE: 2-9-93

DATE: 2-09-97

DATE: 2-9-93

DATE: 8-11-93

DATE: 02-02-93

DATE: 2-9-93

DATE: 1-19-93

DATE: 1-19-93

DATE: 1-26-93

TREASURER'S CERTIFICATION:

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON UPC #1-013-053-470476-10506. PROPERTY OWNER OF RECORD: PAYLESS CASHWAYS, INC.

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON UPC #1-013-053-470516-10507. PROPERTY OWNER OF RECORD: BYZ ENTERPRISES

BERNALILLO COUNTY TREASURER'S OFFICE:

BY: *Arthur Kavanagh* DATE: 8/16/93

SURVEYOR'S CERTIFICATION:

I, C. A. SPIROCK, HEREBY AFFIRM THAT I AM A DULY QUALIFIED REGISTERED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO AND DO CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION; SHOWS ACCURATE DIMENSIONS, AND LAND AREAS; SHOWS ALL EASEMENTS AND RESTRICTIONS AS SHOWN ON THE PLAT OF RECORD OR MADE KNOWN TO ME BY THE OWNERS AND/OR PROPRIETORS OF THE SUBDIVISION SHOWN HEREON, TITLE COMPANIES, UTILITY COMPANIES OR OTHER PARTIES EXPRESSING AN INTEREST. I FURTHER CERTIFY THAT THIS PLAT MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, MEETS THE "MINIMUM STANDARDS FOR LAND SURVEYS" SET FORTH BY THE STATE OF NEW MEXICO AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

C. A. SPIROCK, N.M.P.S. #4972

DATE: 12/21/92

DATE: 12-23-92

SCALE: 1"=100'

BY: SPS

DATE: 2-11-10-600

RECORD DRAWING

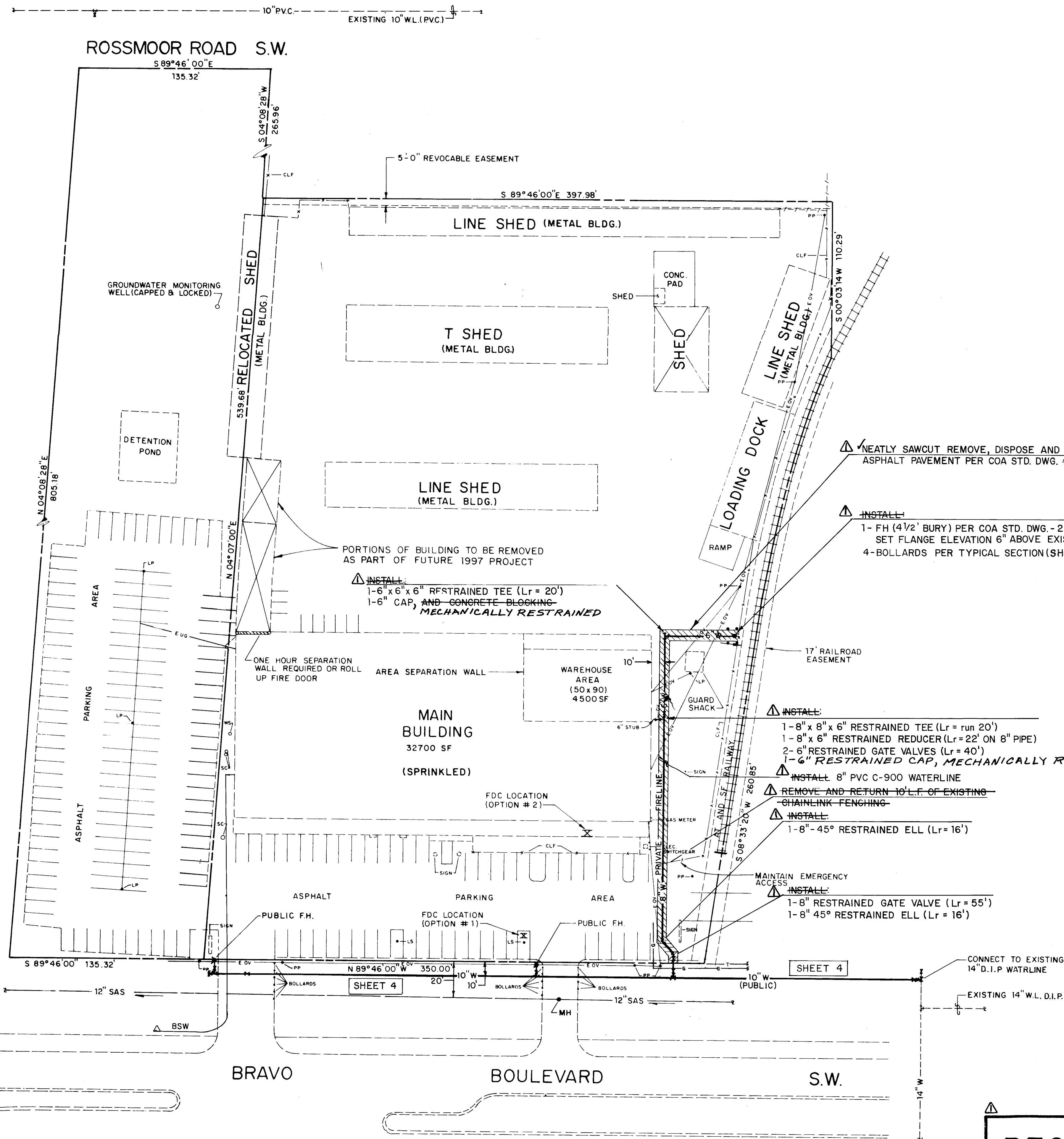
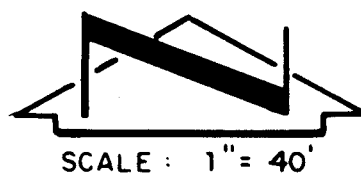
950021

24-5252.90 0296

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FURROWS - RIO BRAVO WATERLINE EXTENSION PLAT			
APPROVALS	ENGINEER	DATE	ENGINEER
DRC CHAIRMAN	<i>Sg. Bobbly</i>	9-26-95	<i>R.W. Kane</i>
TRANSPORTATION	<i>Sg. Bobbly</i>	9-26-95	<i>R.W. Kane</i>
HYDROLOGY	<i>N/A</i>	9/11/95	<i>BCPWD</i>
PROJECT NO.	MAP NO.	SHEET	OF
5252.90	P-13	2	7

AS BUILT INFORMATION	ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION		
			FIELD NOTES		CITY OF ALBUQUERQUE STATION X - 423, TOP OF A		CONTRACTOR HYDRO SYSTEMS		
			NO.		DATE		APPLIED BY J.M.A. DATE 03/96		
			N/A		J.M.A. 11/91		INSPECTOR'S ACCEPTANCE BY M.D.S. DATE 04/96		
			BY				DRAWINGS VERIFIED BY M.D.S. DATE 04/96		
REVISIONS						CHECKED BY M.D.S. DATE 04/96		MICRO-FILM INFORMATION	
DESIGN									
DESIGNED BY M.D.S. DATE 06/95									
DRAWN BY J.E.W. DATE 06/95									
CHECKED BY J.G.M. DATE 06/95									



RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen
Professional Engineer
No. 8547
Date 4-13-96

RECORD DRAWING

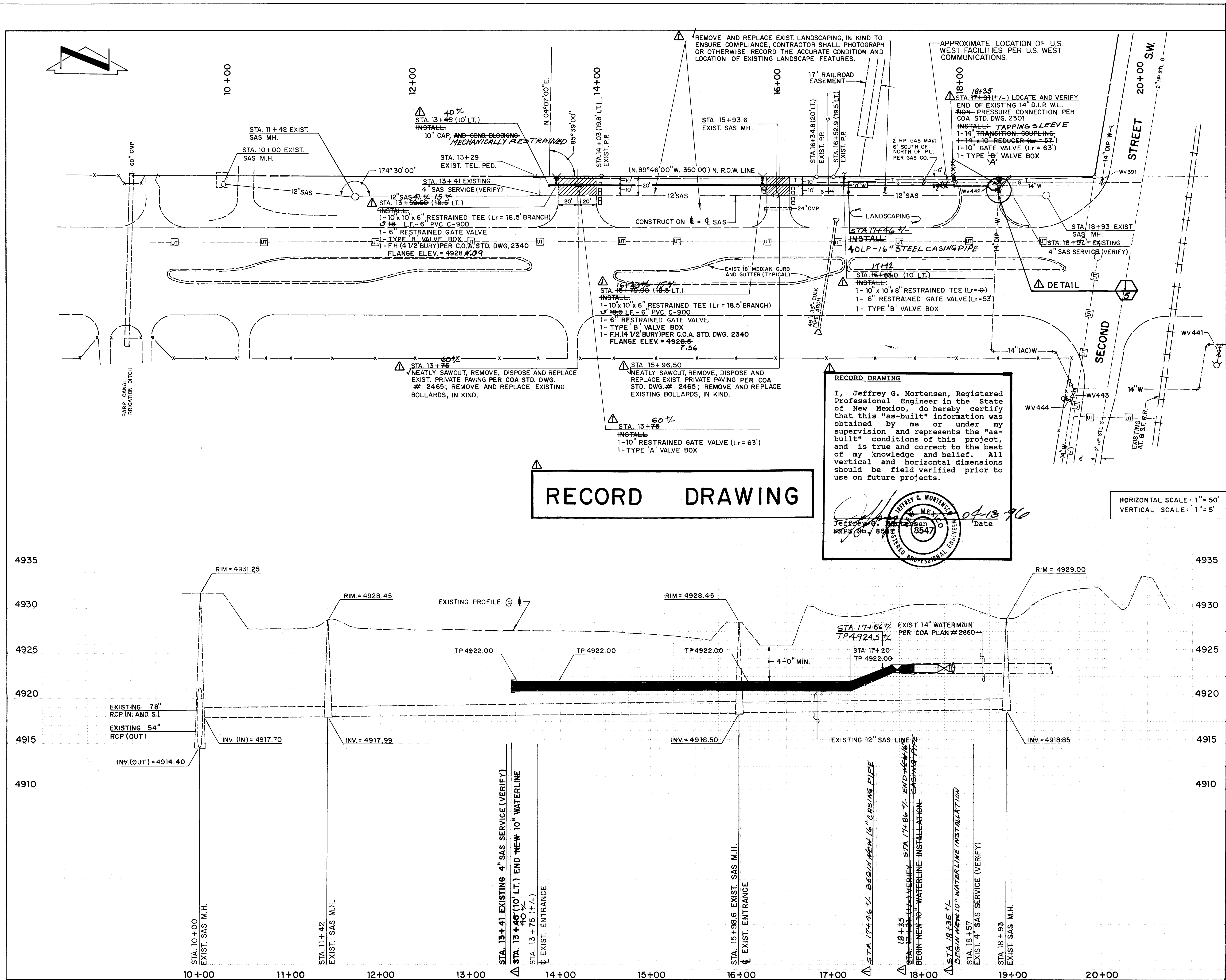
SCANNED BY
BYLASON 950021

- WATERLINE CONSTRUCTION NOTES:**
- ALL STATIONING IS BASED ON EXISTING SAS CENTERLINE UNLESS INDICATED OTHERWISE.
 - FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
 - FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
 - WATERLINE SHALL HAVE A MINIMUM COVER OF 4'0" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
 - ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
 - IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATION", METALLIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
 - VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
 - JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATERLINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
 - JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
 - WHERE WATER AND SANITARY SEWER LINES CROSS, THE SANITARY SEWER LINE SHALL BE CONCRETE ENCASED FOR A DISTANCE OF 10 FEET EACH SIDE OF THE CROSSING IF 18 INCHES OF VERTICAL SEPARATION DOES NOT EXIST.
 - FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		M.D.S.	
CONTRACTOR	HYDRO SYSTEMS	CITY OF ALBUQUERQUE	STATION X-423, TOP OF A	DATE	BY	NO.	DATE	NO.	DATE
JMA			STAINLESS STEEL ROD SET BENEATH A NGS ACCESS COVER BENCH MARK LOCATED SE. OF THE INTERSECTION OF AT & S.F. RAILROAD & RIO BRAVO BLVD. S.E. BEING 441 FT. EAST OF THE CENTERLINE OF THE TRACKS, APPROX. 87 FT. SOUTH OF A POWER POLE, 61 FT. WNW OF A FIRE HYDRANT. ELEVATION = 4928.15 FT. (M.S.L.D.)	11/91	JMA	N/A			
REVISIONS		DESIGN		DATE		BY		DATE	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
1	04/96	1	06/95	1	06/95	1	06/95	1	06/95

20-5252.90 0396

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: FURROWS - RIO BRAVO WATERLINE EXTENSION SITE PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	S.G. Soble	9-26-95	WATER	R.W. Kane	8-8-95
TRANSPORTATION	N.A. RHO	9-26-95	WASTE WATER	R.W. Kane	8-8-95
HYDROLOGY	N.A. RHO	9-26-95	BCPWD	S. L. Smith	8-26-95
PROJECT NO.	5252.90	MAP NO.	P-13	SHEET	3 OF 7

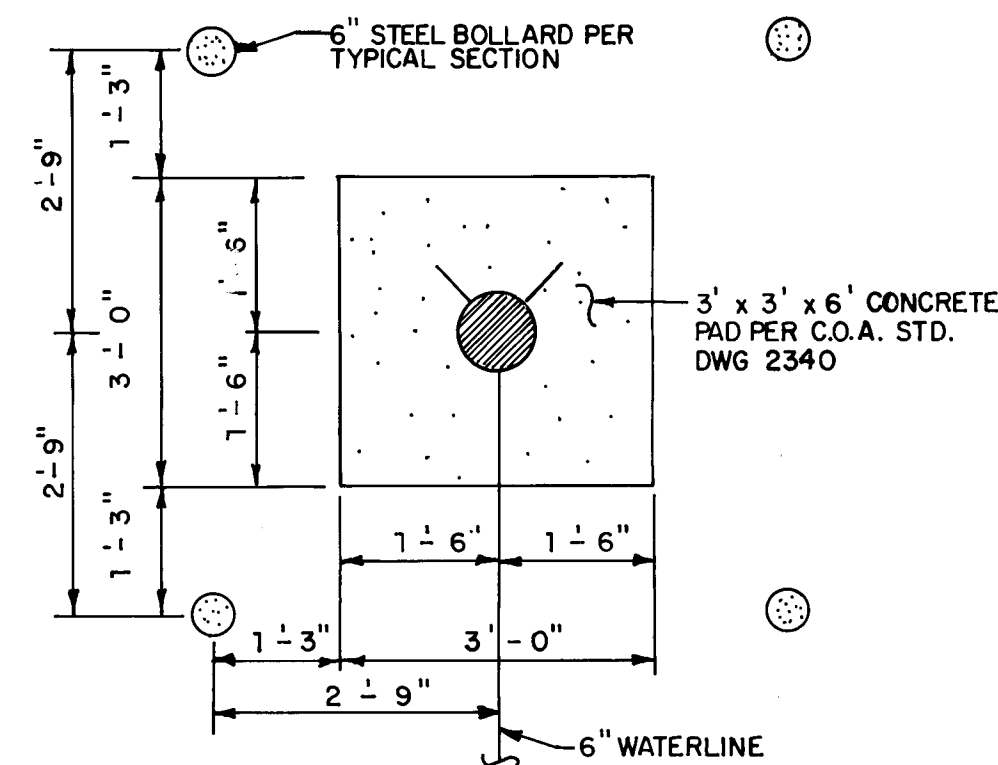


WATERLINE CONSTRUCTION NOTES:

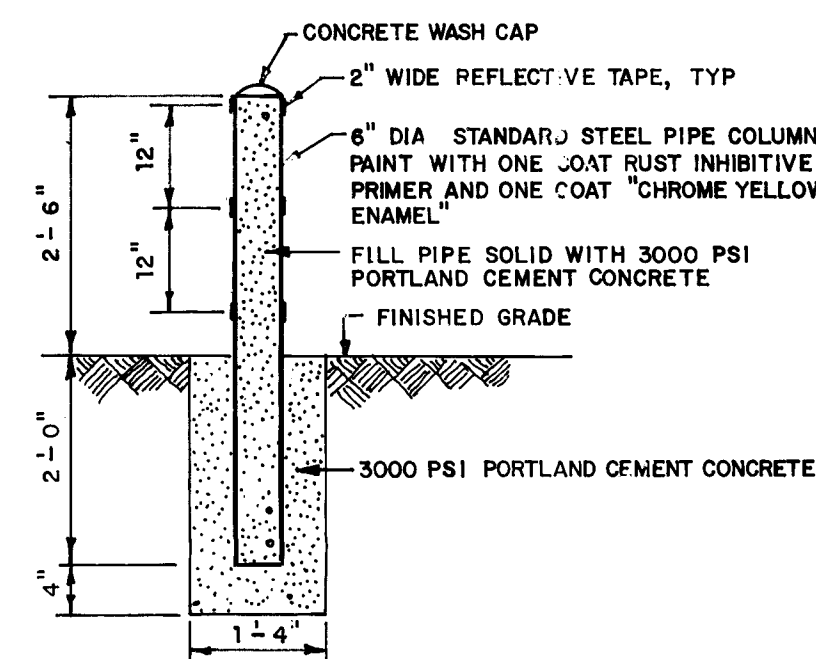
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- FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

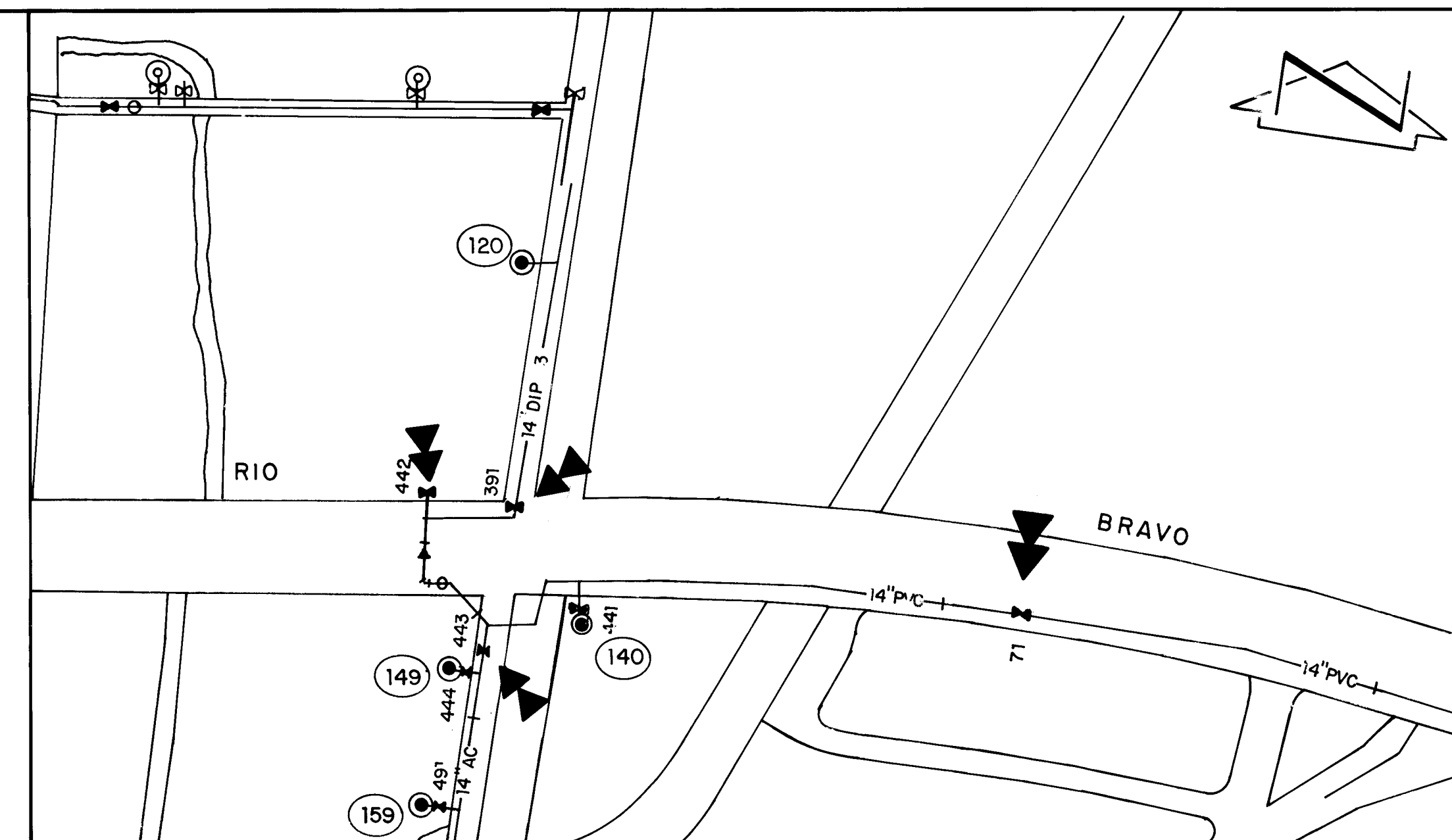
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: FURROWS - RIO BRAVO WATERLINE EXTENSION RIO BRAVO BLVD. STA. 13+45 TO STA. 17+91					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>R.W. Kane</i>	9-26-95	WATER	<i>R.W. Kane</i>	9-8-95
TRANSPORTATION	<i>M.A. RHO</i>	9-01-95	WASTE WATER	<i>R.W. Kane</i>	9-8-95
HYDROLOGY	<i>N.A. RHO</i>	9-11-95	BCPWD	<i>E. RHO</i>	8-25-95
PROJECT NO.	525290		MAP NO.	P-13	
			SHEET	OF	
			4		7



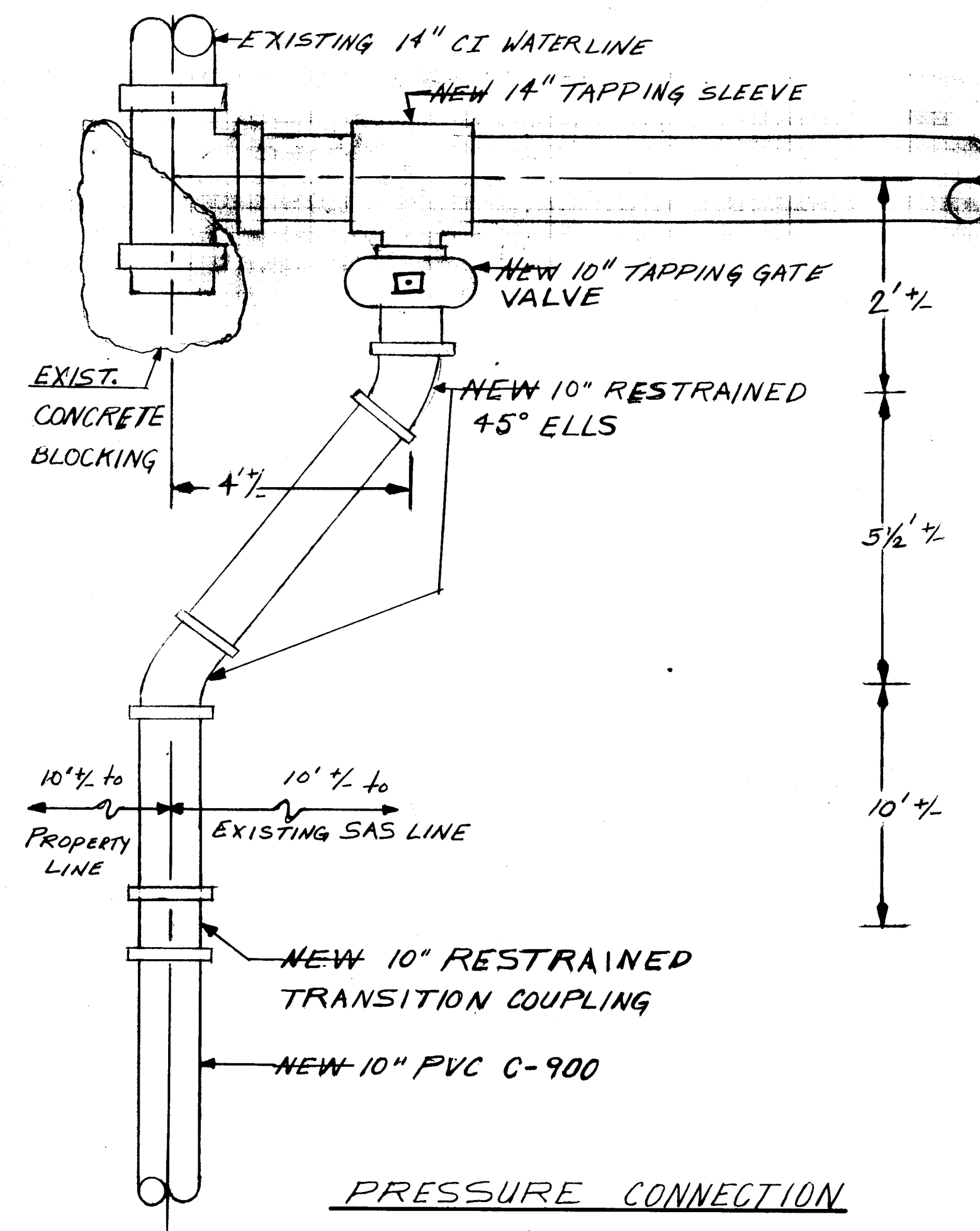
FIRE HYDRANT BOLLARD DETAIL
SCALE: 1" = 2'-0"



TYPICAL BOLLARD SECTION
SCALE: 1" = 2'-0"



WATER VALVE SHUTOFF PLAN
△ (NOT USED / PRESSURE CONNECTION AS SHOWN BELOW)



△ DETAIL
SCALE: 1" = 2'-0"

RECORD DRAWING

- WATER VALVE SHUTOFF PLAN REQUIREMENTS:
- AS A MINIMUM, THE FOLLOWING VALVES SHALL BE CLOSED TO FACILITATE THE PROPOSED CONNECTIONS:
 - RIO BRAVO BLVD. 71, 442 391
 - 2ND ST. 443
 - THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING WATERLINE. ALL SHUTOFFS SHALL BE PERFORMED BY THE WATER SYSTEM DIVISION PERSONNEL (857-8200).
 - THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT THE NECESSARY SHUTOFFS AND CONNECTIONS.
 - EXISTING WATER VALVE AND WATERLINE INFORMATION OBTAINED FROM CITY OF ALBUQUERQUE PUBLIC WORKS DEPT. AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAP P-13.
 - AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT THE WATER SYSTEM DIVISION NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST 24 HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
24-9292-170 06/96

RECORD DRAWING
I, Jeffrey G. Mortensen, a Registered Professional Engineer under the laws of the State of New Mexico, do hereby certify that this "as-built" information was obtained and provided by the Contractor, Landforms, Inc., as the "as-built" conditions of this project. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen
Professional Engineer
No. 8547
State of New Mexico
13 96

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: FURROWS - RIO BRAVO WATERLINE EXTENSION SECTIONS AND DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	9-26-95	WATER	<i>[Signature]</i>	9-8-95
TRANSPORTATION	<i>[Signature]</i>	9-28-95	WASTE WATER	<i>[Signature]</i>	9-8-95
HYDROLOGY	<i>[Signature]</i>	9-14-95	BCPWD	<i>[Signature]</i>	8-25-95
PROJECT NO.	5252.90	MAP NO.	P-13	SHEET	5 OF 7

AS-BUILT & CERTIFY		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				FIELD NOTES				CONTRACT NO. HYDRO SYSTEMS	
				NO.		DATE		WORK	
				N/A		11/91		STAINED BY J.M.A.	
								DATE 03/96	
								INSPECTED BY M.D.S.	
								DATE 04/96	
								FIELD	
								VERIFICATION BY M.D.S.	
								DATE 04/96	
								CORRECTION	
								CONNECTED BY M.D.S.	
								DATE 04/96	
								MICRO-FILM INFORMATION	
								RECORDED BY	
								DATE	
								NO.	

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 8:30 A.M. OR END WORK AFTER 4:00 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 OCCUPANCY 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 ITS PLACEMENT AND MAINTENANCE.

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

PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- NO CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY CAN OCCUR WITHOUT AN APPROVED TRAFFIC CONTROL PLAN. THE CONTRACTOR MUST SUBMIT A TRAFFIC CONTROL PLAN TO THE BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT A MINIMUM OF FOUR (4) WORKING DAYS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY.
- FOR THE PURPOSES OF THIS PROJECT, "CONSTRUCTION COORDINATION" SHALL BE REPLACED WITH "TRAFFIC CONTROL MANAGER, TRAFFIC CONTROL DIVISION, BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT". CONTACT MARTIN J. GARCIA, P.E. (848-1543), 2400 BROADWAY S.E.
- THE PARKING OF CONSTRUCTION EQUIPMENT OR VEHICLES WITHIN PUBLIC RIGHT-OF-WAY SHALL NOT BE PERMITTED.

SIGN FACE DETAILS

