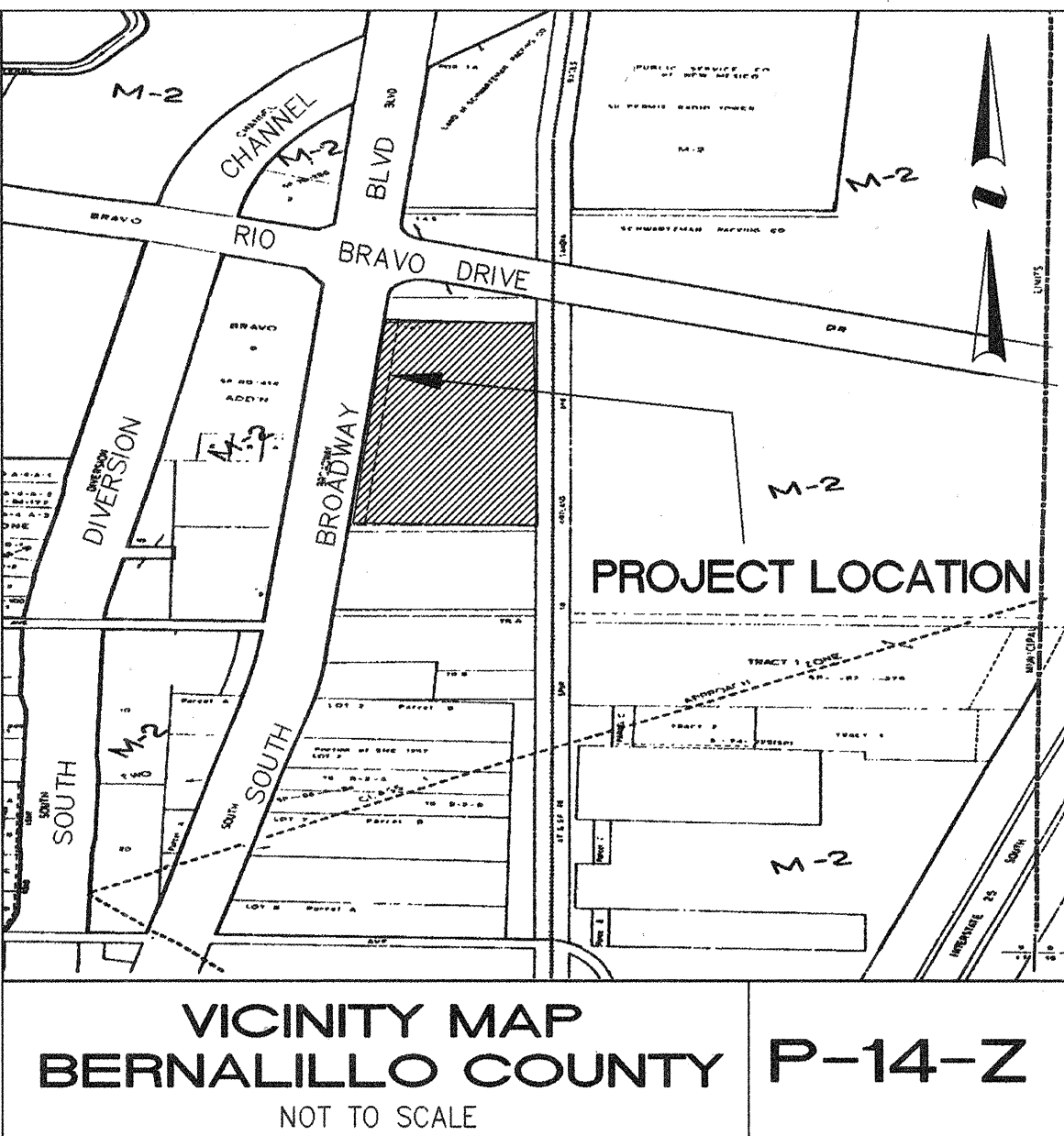


DIAL OIL UTILITY EXTENSION
Albuquerque, New Mexico



GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AND SHALL INCLUDE UPDATE NO. 6.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE & VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- CONTRACTOR SHALL SUPPORT ALL EXISTING UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR ALL SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWERLINE COSTS.
- ALL STATIONING REFERS TO SANITARY SEWER CENTERLINE STATIONING.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL CO-ORDINATE WITH WATER SYSTEMS DIRECTOR (TELEPHONE NUMBER: 857-8200) 7 WORKING DAYS PRIOR TO CONSTRUCTION WORK THAT MAY AFFECT EXISTING CITY PUBLIC WATER OR SEWER UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR TIME AND CO-ORDINATION OF WATER SHUT OFF. EXISTING CITY VALVES TO BE OPERATED BY CITY PERSONNEL ONLY.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL CONDUCT OPERATIONS IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY, AND TO PROTECT THEM FROM DAMAGE, INJURY, OR LOSS. CONTRACTOR SHALL ERECT AND MAINTAIN AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL ADHERE TO SECTION 19 (CONSTRUCTION TRAFFIC CONTROL) OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION W/UPDATE NO. 6.
- PROPOSED WATERLINE MATERIALS SHALL BE P.V.C. PIPE MEETING AWWA C900 REQUIREMENTS (6" - 12" DIAM.) ALL SEWER PIPE TO BE SDR 35 PVC.
- THE CONTRACTOR AGREES TO ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER & ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

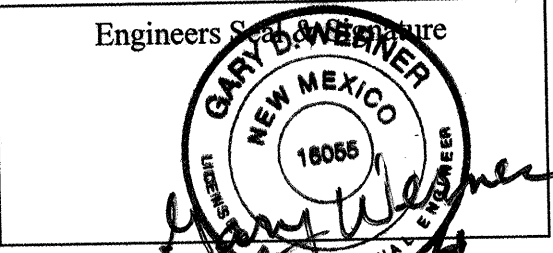
- CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF RECORD DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN OBTAINED AND RECORDED.
- EXISTING CURB AND GUTTER NOT CALLED OUT TO BE REMOVED UNDER THE CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- ALL FITTINGS ON WATERLINES SHALL HAVE JOINT RESTRAINTS IN ACCORDANCE WITH THE JOINT RESTRAINT LENGTHS SHOWN ON UTILITY PLAN AND PROFILE DRAWINGS AND ARE TO HAVE LOCKED MECHANICAL JOINTS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL EXISTING MONUMENTATION CONTROLS. IN THE EVENT OF INADVERTENT DESTRUCTION OR ALTERATION, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE CITY SURVEYOR.
- PNM (PUBLIC SERVICE CO. OF NEW MEXICO) WILL PROVIDE AT NO COST TO THE CITY OR TO THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
- ** WARNING ** - EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY 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. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

- ANY CONSTRUCTION OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- THESE PLANS DO NOT HAVE A TRAFFIC CONTROL PLAN INCLUDED. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN AS REQUIRED BY NMSHTD DISTRICT THREE TRAFFIC ENGINEER. ANY CHANGES TO PLANNED CONSTRUCTION AFFECTING TRAFFIC CONTROL MUST BE APPROVED BY THE DISTRICT THREE TRAFFIC ENGINEER. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH SECTION 635-TEMPORARY TRAFFIC CONTROL (FP-92). PROVISION SHALL BE MADE IN THE TOP FOR APPROPRIATE 24-HOUR ACCESS BY ADJACENT LAND/HOME OWNERS AND FOR EMERGENCY VEHICLES.

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY OF ALBUQUERQUE
DATE: 3/10/03

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gary D. Werner of the firm of Resource Technology, Inc. a Registered Professional Engineer in the state of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey information provided by Gary E. Gritsko, NMPS number 8686.



APPROVED FOR CONSTRUCTION

3/10/03
BERNALILLO COUNTY

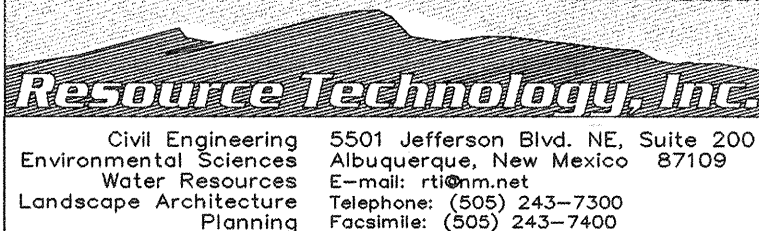
T. ELVIDIO V. DINIZ CERTIFY THAT THE DRAWING OF THE "AS-BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6973-81 0104

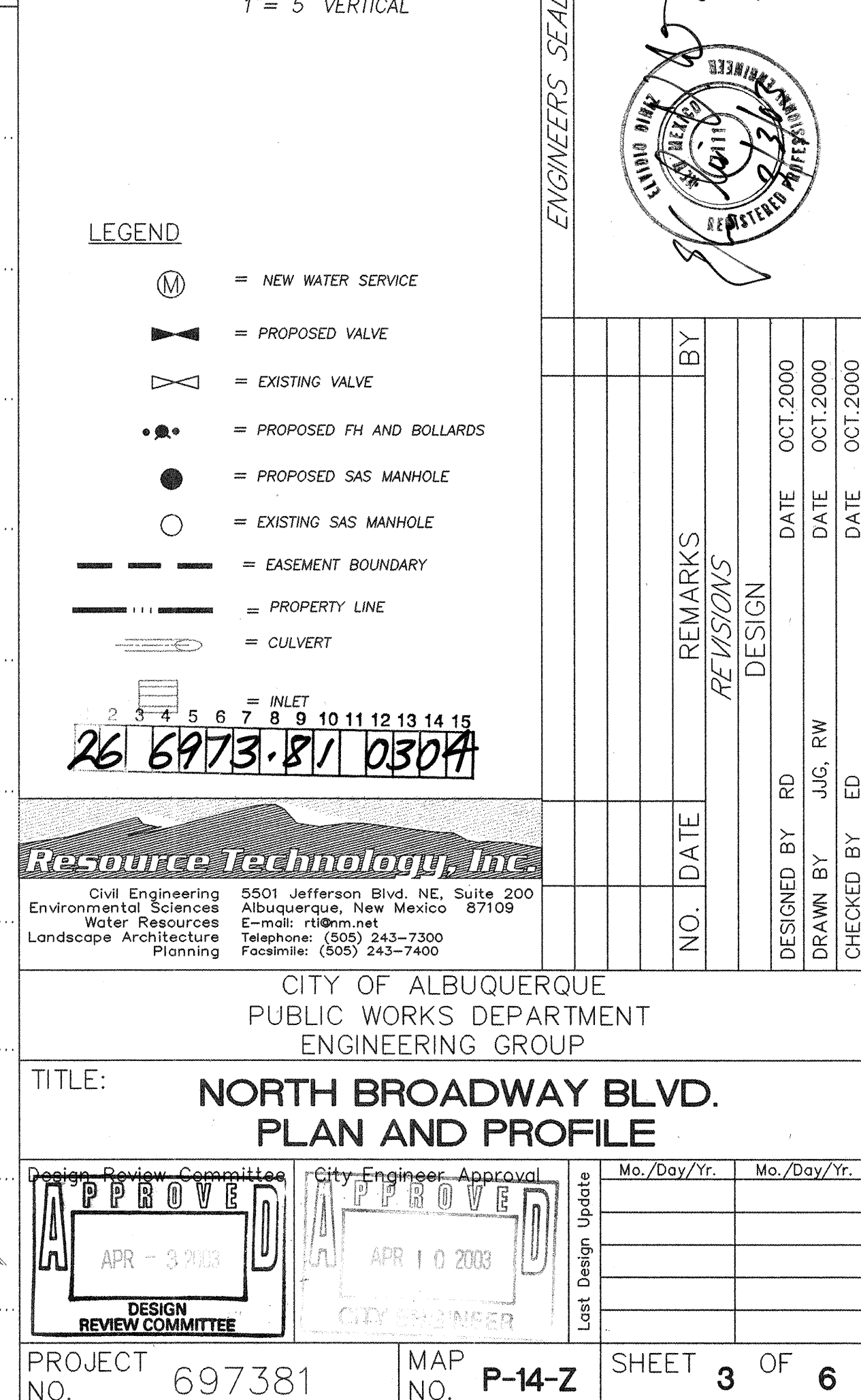
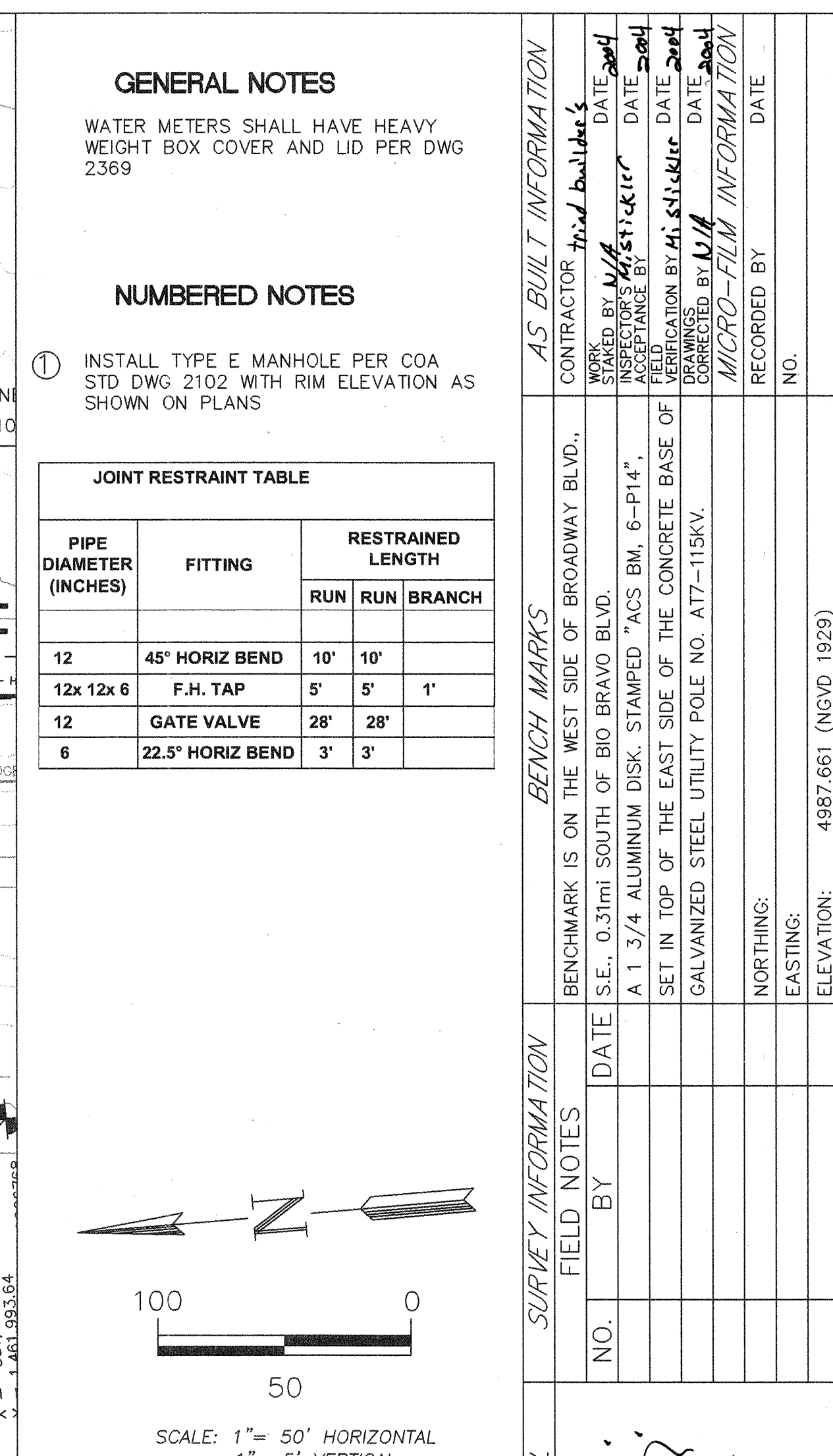
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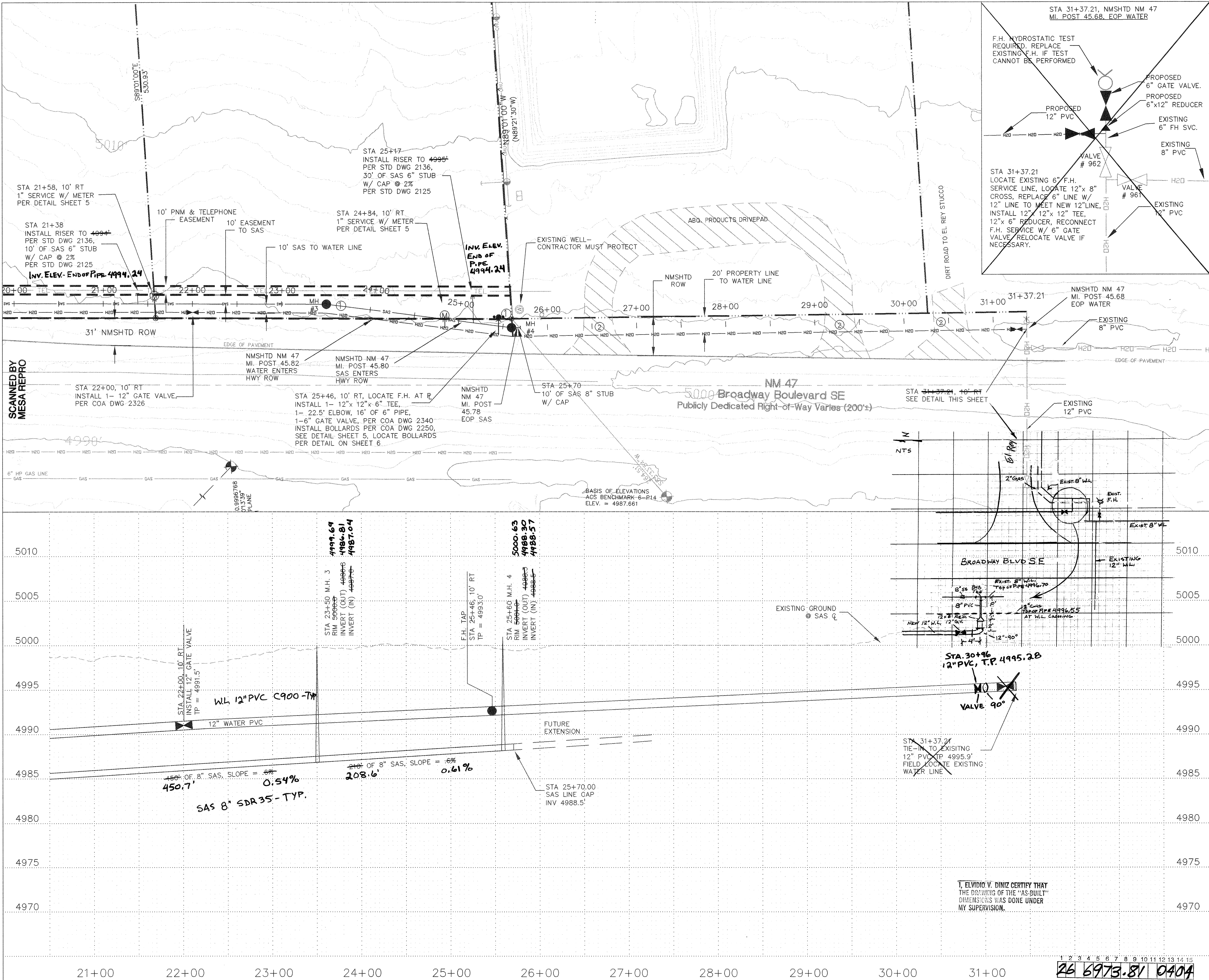
INDEX OF SHEETS

SHEET	TITLE
1	COVER SHEET
2	PLAT
3	BROADWAY BLVD UTILITIES - NORTH
4	BROADWAY BLVD UTILITIES - SOUTH
5	DETAILS SHEET
6	DETAIL SHEET AND SHUTOFF PLAN



REV.	SHEET	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman		4-3-03	APPROVED FOR CONSTRUCTION		
		Transportation		3-17-03			
		Water/Wastewater		3-17-03			
		Hydrology		2-17-03			
		Parks					
		Const. Coord.		4-3-03			
		City Project No.	697381	Sheet 1 Of 6			





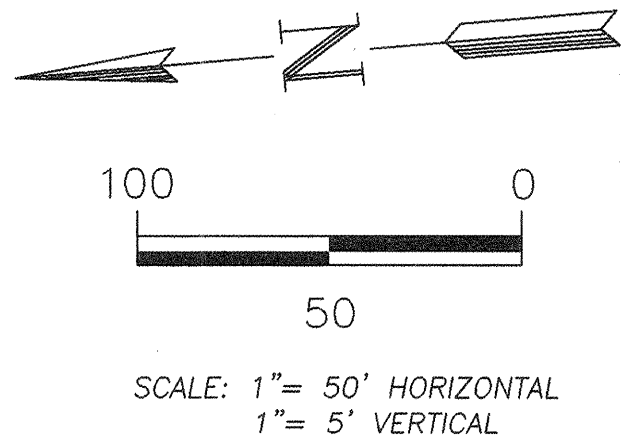
- GENERAL NOTES
- WATER METERS SHALL HAVE HEAVY WEIGHT BOX COVER AND LID PER DWG 2369
- NUMBERED NOTES
- 1

INSTALL TYPE E MANHOLE PER COA STD DWG 2102
- 2

CONTRACTOR TO SAW-CUT ALL CONCRETE DRIVEWAY CROSSINGS AND PROVIDE CONTINUOUS ACCESS TO PROPERTIES. CUTS MUST BE REFURBISHED TO ORIGINAL STATE.

Joint Restraint Table

PIPE DIAMETER (INCHES)	FITTING	RESTRAINED LENGTH		
		RUN	RUN	BRANCH
12	45° HORIZ BEND	10'	10'	
12x12x6	F.H. TAP	5'	5'	1'
12	GATE VALVE	28'	28'	
6	22.5° HORIZ BEND	3'	3'	



- LEGEND
- (M)

= NEW WATER SERVICE
- (X)

= PROPOSED VALVE
- (X)

= EXISTING VALVE
- = PROPOSED FH AND BOLLARDS
- = PROPOSED SAS MANHOLE
- = EXISTING SAS MANHOLE
- = EASEMENT BOUNDARY
- = PROPERTY LINE
- = CULVERT
- = INLET

Resource Technology, Inc.

Civil Engineering
Environmental Sciences
Water Resources
Landscape Architecture
Planning

5501 Jefferson Blvd. NE, Suite 200
Albuquerque, New Mexico 87109
E-mail: rti@rti.net
Telephone: (505) 243-7300
Facsimile: (505) 243-7400

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
NORTH BROADWAY BLVD.
PLAN AND PROFILE

APPROVED
DESIGN
REVIEW COMMITTEE
APR - 3 2003

APPROVED
CITY ENGINEER
APR 10 2003

City Engineer Approval
Mo./Day/Yr.
Mo./Day/Yr.

DESIGNED BY
JUG/RW
DATE
OCT.2000

DRAWN BY
ED
DATE
OCT.2000

CHECKED BY

PROJECT NO. 697381
MAP NO. P-14-Z
SHEET 4 OF 6

AS BUILT INFORMATION

CONTRACTOR

WORK STARTED BY: Survey
ACCEPTANCE BY: Technician
DATE: 11/11/03

BENCH MARKS

BENCHMARK IS ON THE WEST SIDE OF BROADWAY BLVD.
I.S.E., 0.31mi SOUTH OF BIG BRAVO BLVD.
A 1 3/4 ALUMINUM DISK, STAMPED "ACS BM, 6-P14",
SET IN TOP OF THE EAST SIDE OF THE CONCRETE BASE OF
DRAWINGS
GALVANIZED STEEL UTILITY POLE NO. AT7-11SKV.
DATE: 11/11/03
CORRECTED BY: WERNER
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

SURVEY INFORMATION

FIELD NOTES

DATE

BY

NO.

ENGINEERS SEAL

SEAL

NO.

DATE

REMARKS

BY

DESIGN

DATE

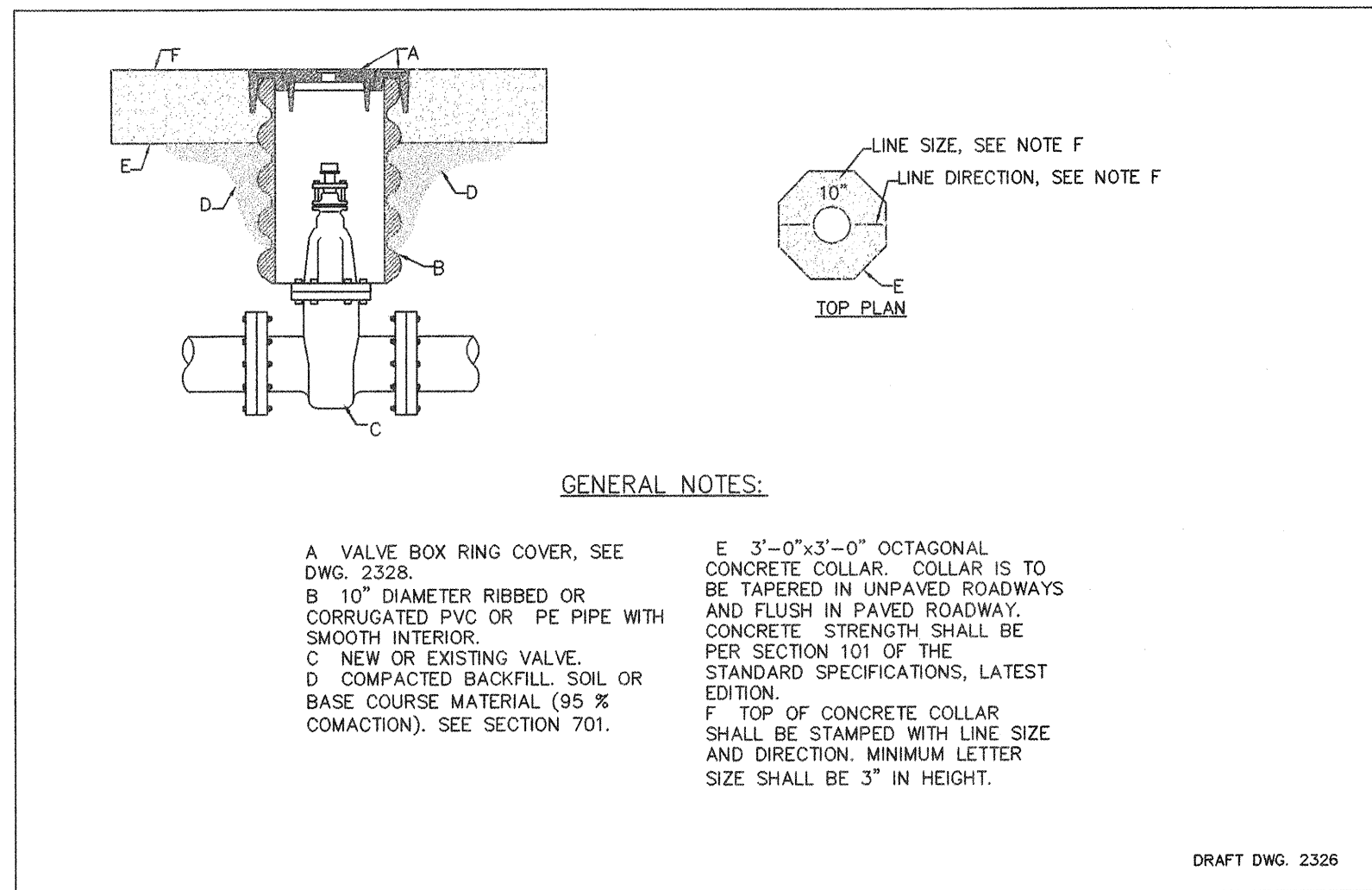
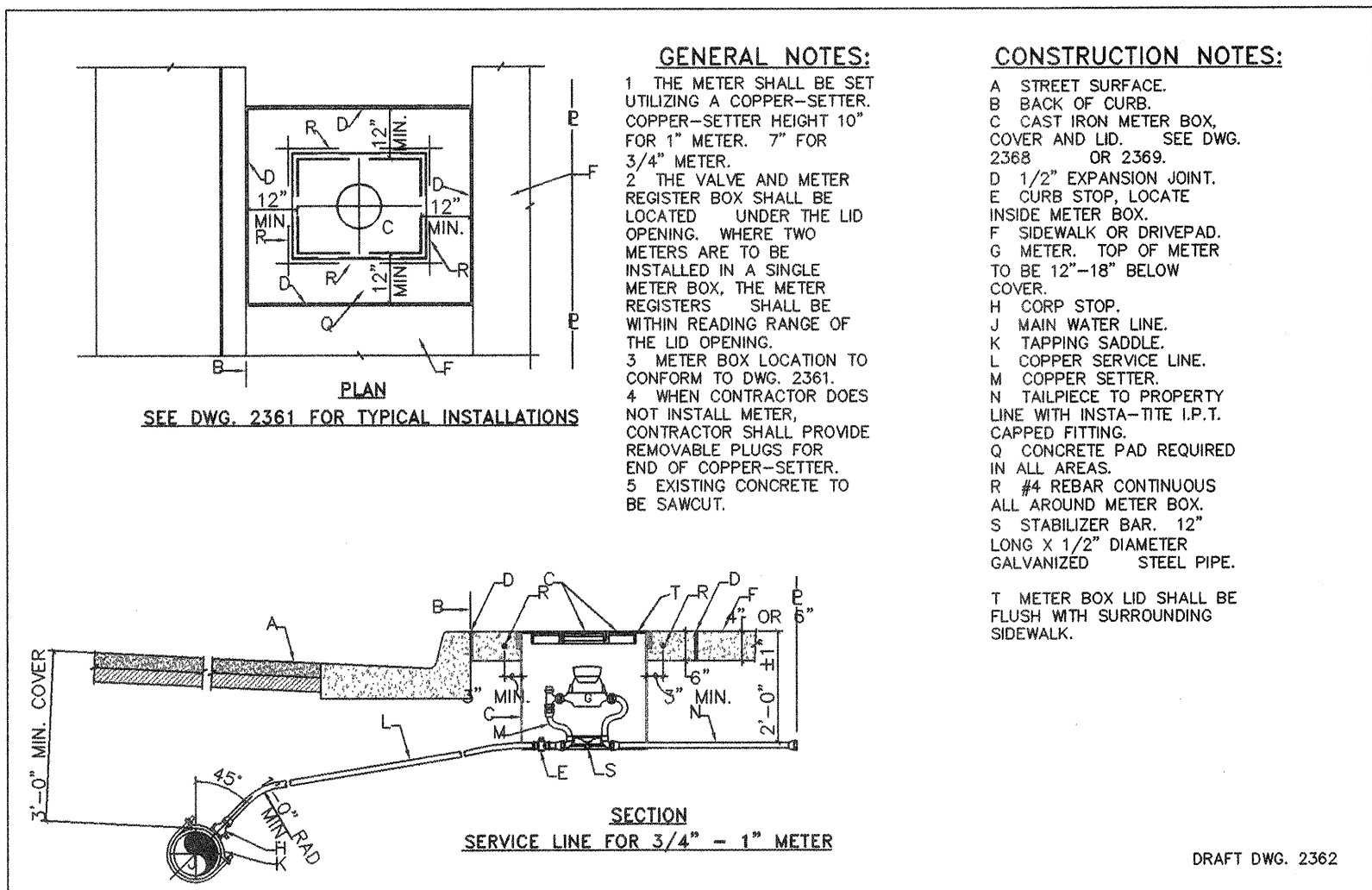
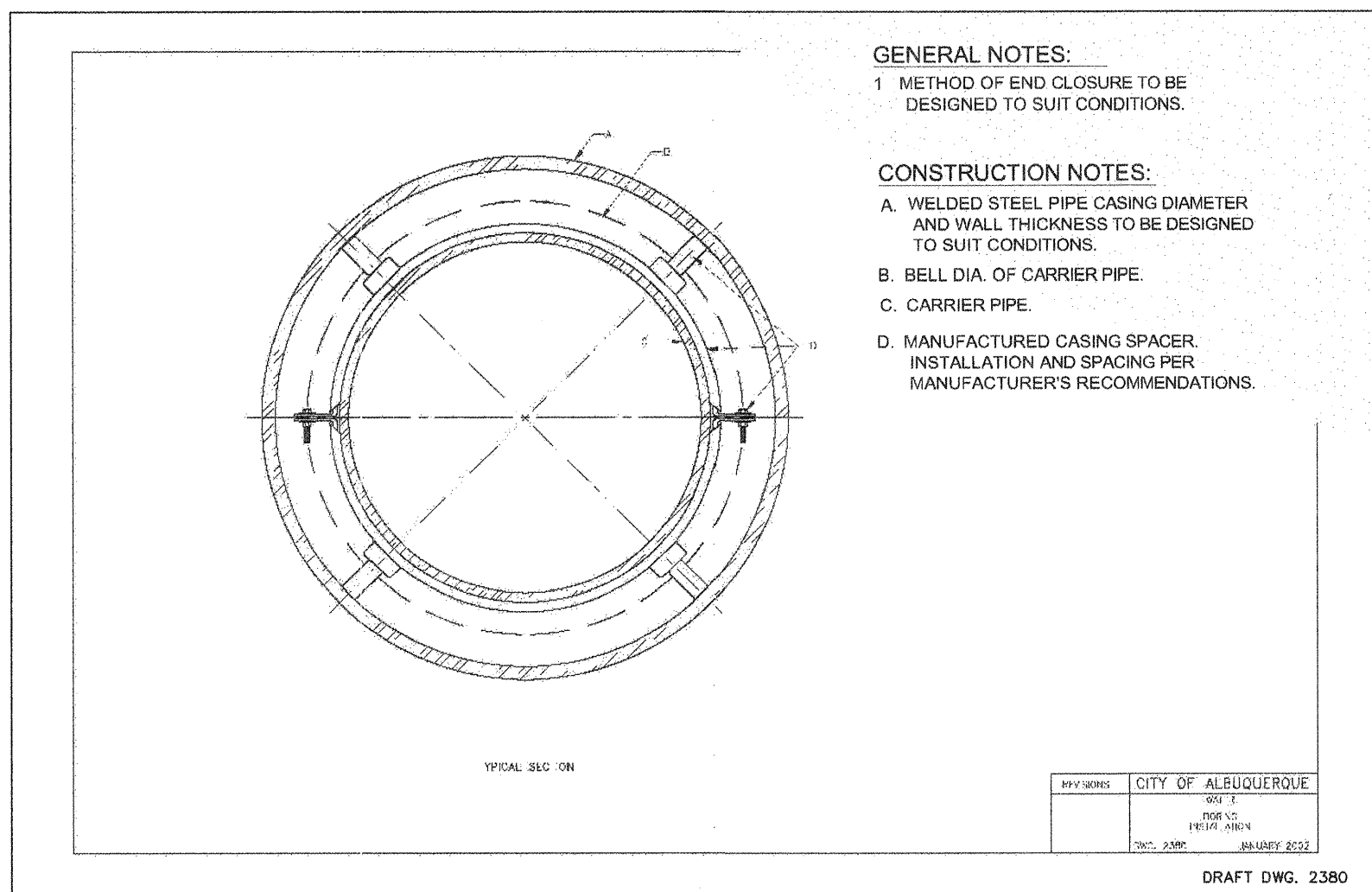
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DATE

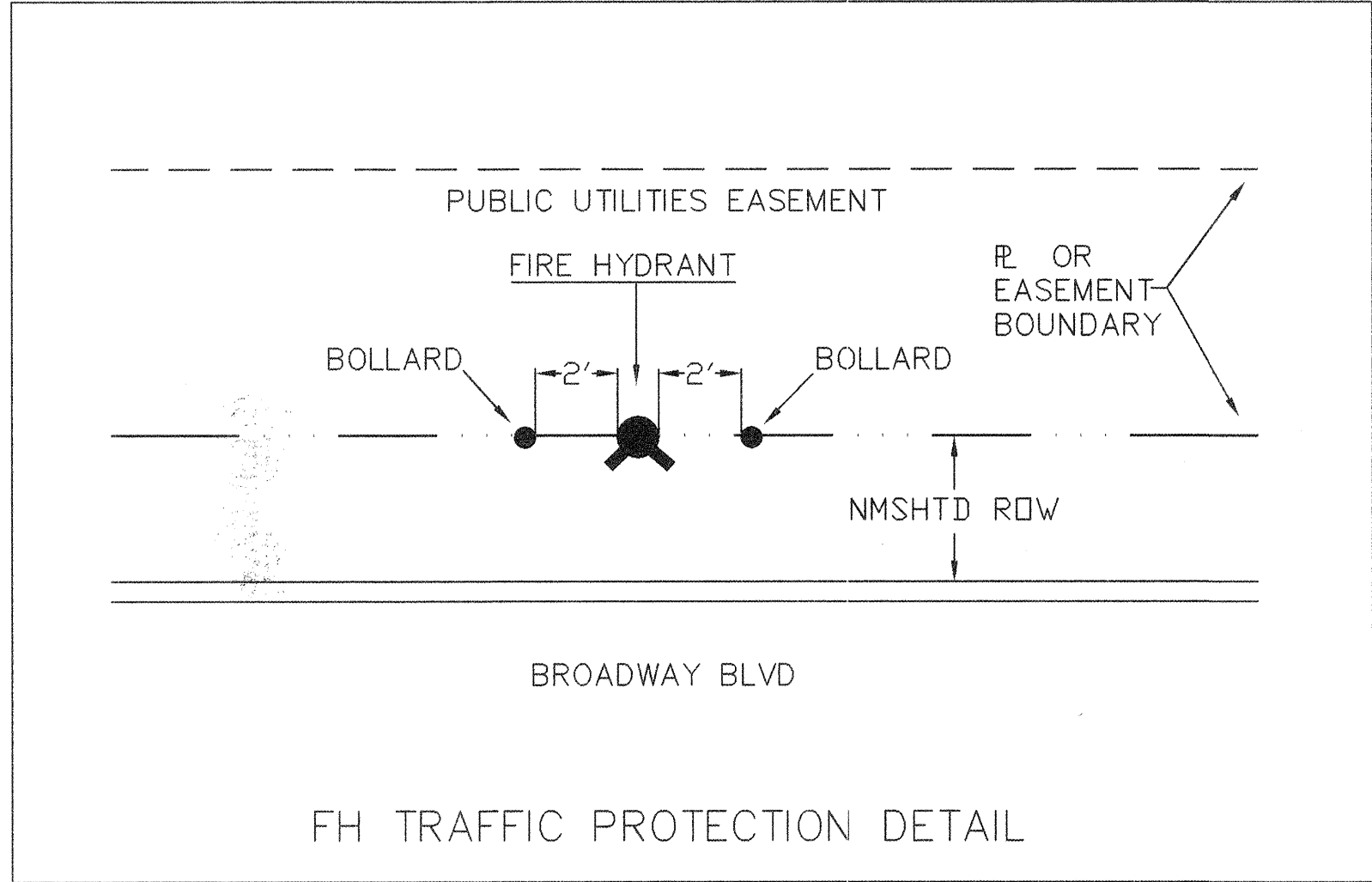
CITY OF ALBUQUERQUE
DEPARTMENT
DIVISION

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
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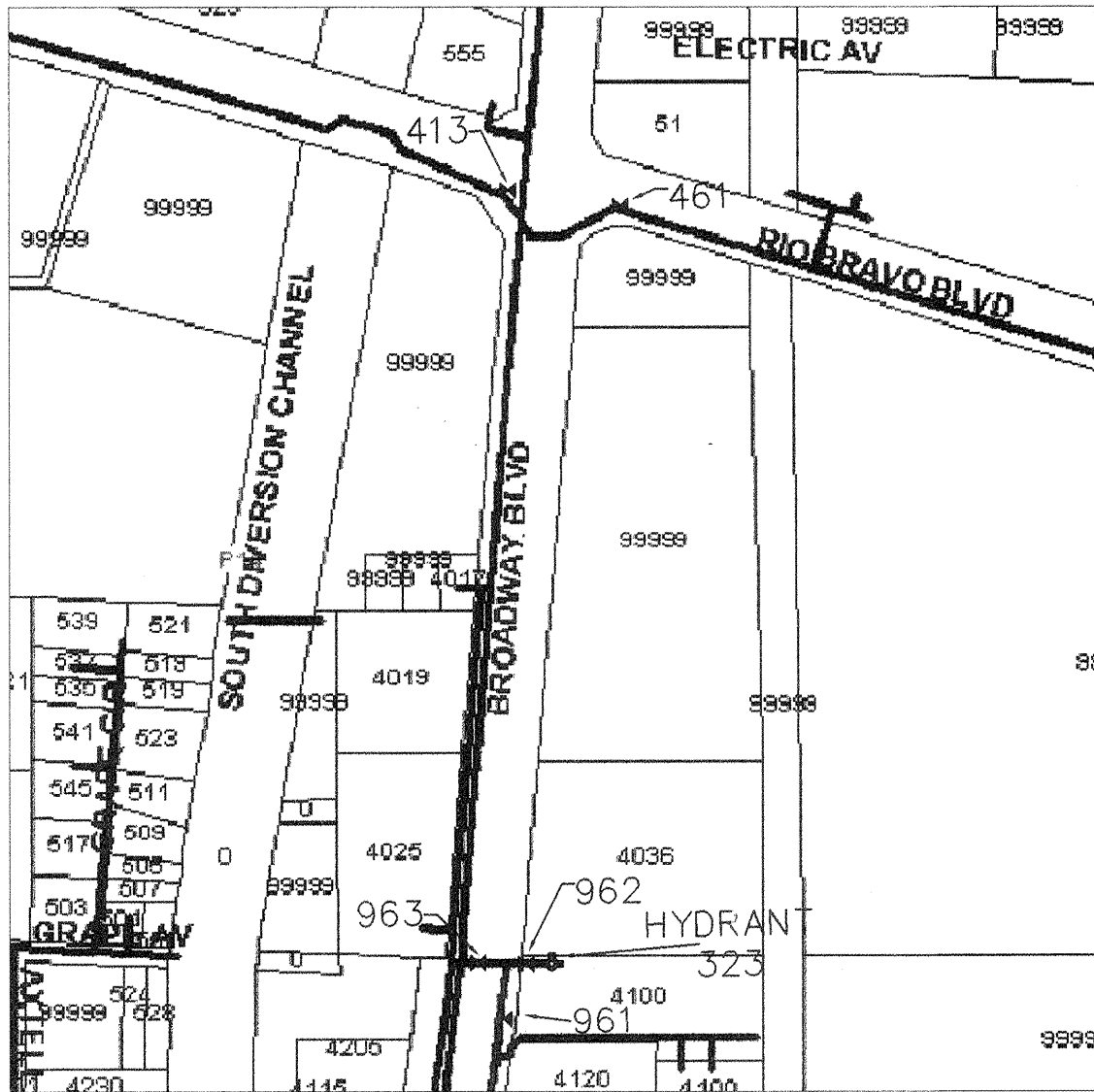
PROJECT NO.	697381	MAP NO.	P-14-Z	SHEET 5 OF 6
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[illegible]

SCANNED BY
MESA REPRO



WATER SHUTOFF PLAN



1. Only city crews may operate valves.
2. Contractor shall contact water systems at 857-4200 seven (7) working days before necessary shut-off.
3. Contractor to notify fire dept five (5) working days before shutting down fire hydrant.
4. Contractor to tag fire hydrant which is not working.
5. Shut off the following valves:
 - A. Shut off valve 413 at West side of Broadway/Rio Bravo intersection.
 - B. Shut off valve 461 at East side of Broadway/Rio Bravo intersection.
 - C. Shut off valve 963 at West side of connection.
 - D. Shut off valve 961 at South side of connection.

I, ELYDIO V. DINIZ CERTIFY THAT THE DRAWING OF THE "AS-BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6973-81 0604

CITY OF ALBUQUERQUE DEPARTMENT DIVISION	
TITLE: DIAL OIL UTILITY EXTENSION BROADWAY BLVD DETAIL SHEET + SHUTOFF PLAN	
DESIGNED BY RD	DATE OCT, 2002
DRAWN BY RW	DATE OCT, 2002
CHECKED BY EVO	DATE OCT, 2002
DESIGN REVIEW COMMITTEE	
APPROVED APR - 3 2003	
CITY ENGINEER APPROVAL	
Mo./Day/Yr.	
Mo./Day/Yr.	
PROJECT NO. 697381	
MAP NO. P-14-Z	
SHEET 6 OF 6	

ENGINEERS SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	NO.	BY	DATE	BENCHMARK IS ON THE WEST SIDE OF BROADWAY BLVD., S.E. 0.31 MI SOUTH OF RIO BRAVO BLVD. A 1 3/4 ALUMINUM DISK. STAMPED "ACS BM, 6-P14". SET IN THE EAST SIDE OF THE CONCRETE BASE OF GALVANIZED STEEL UTILITY POLE NO. AT7-ITSKY.		CONTRACTOR	DATE
	REMARKS	BY	DATE			WORK STARTED BY	DATE
	REVISIONS	BY	DATE			INSPECTED BY	DATE
	DESIGN	BY	DATE			FIELD CHECKED BY	DATE
	DESIGNED BY	RD	DATE			DRAWN BY	DATE
		RD	DATE			CHECKED BY	DATE
		RW	DATE			RECORDED BY	DATE
		EVO	DATE			NO.	DATE