

RIO RANCHO
UTILITIES CORPORATION
INTEL 24" WATER LINE
PHASE I
RIO RANCHO, NEW MEXICO

INDEX

SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2	OVERALL PLAN
3	23RD AVENUE STA. 10+00 TO STA. 22+50
4	23RD AVENUE STA. 22+50 TO STA. 35+50
5	23RD AVENUE STA. 35+50 TO STA. 48+50
6	23RD AVENUE STA. 48+50 TO STA. 53+31.14 GRANDE AVENUE STA. 53+31.14 TO STA. 56+09.16
7	COUNTY LINE STA. 56+09.16 TO STA. 62+01.07 NM 528 STA. 62+01.07 TO STA. 66+23.00
8	NM 528 STA. 66+23 TO STA. 68+10.47
9	29TH STREET STA. 10+00 TO STA. 23+00
10	29TH STREET STA. 23+00 TO STA. 33+78.00
11	19TH AVENUE STA. 10+00 TO STA. 16+12.34
12	MISCELLANEOUS DETAILS
12A	TRAFFIC CONTROL PLAN



RECORD DRAWINGS

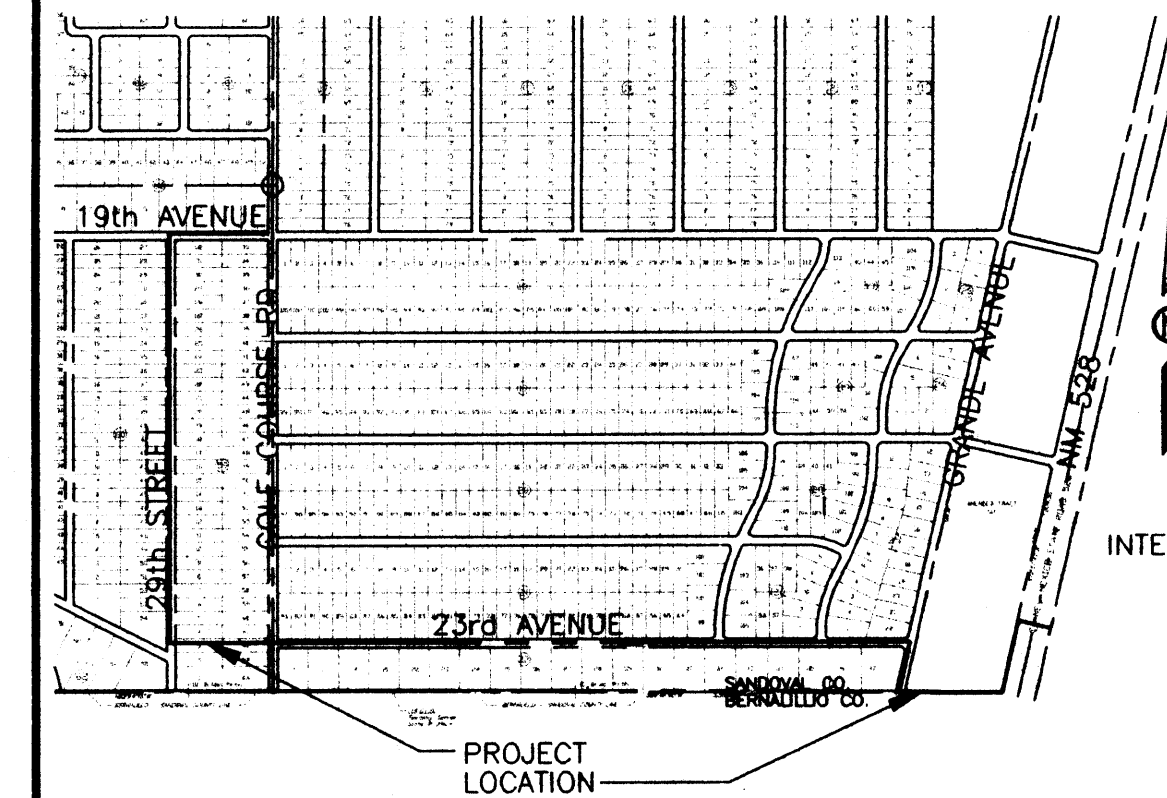
DATE 6/2/95

APPROVED FOR CONSTRUCTION
4-25-94

RIO RANCHO UTILITY CORP.

CITY OF RIO RANCHO

BHI JOB NO. 93252.20



VICINITY MAP
NOT TO SCALE

NOTICE TO CONTRACTORS

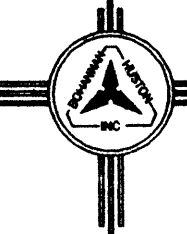
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, WITH CURRENT UPDATES.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO RIO RANCHO UTILITIES CORP. A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CITY OF RIO RANCHO. THE CONTRACTOR SHALL NOTIFY THE CITY PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- 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 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 ENGINEER. 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.

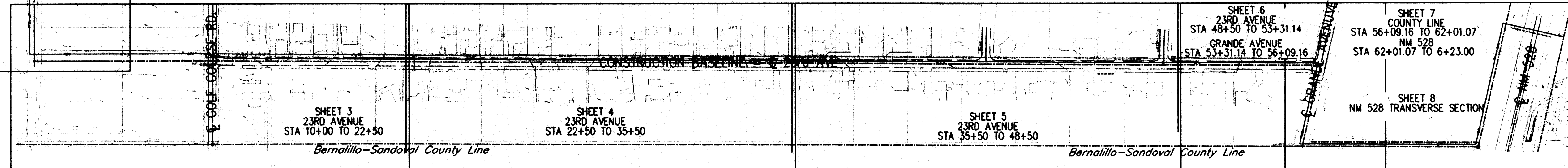
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY 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, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

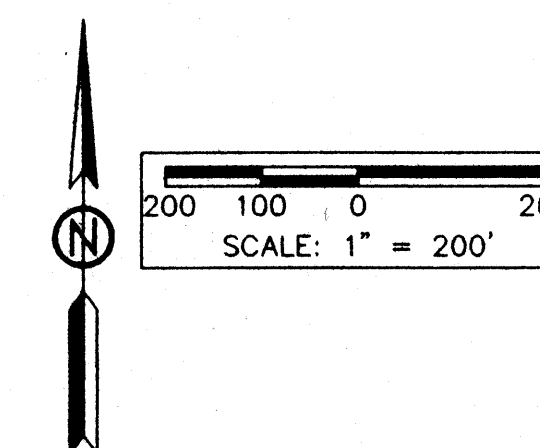
APPROVAL OF REVISIONS

 BOHANNON-HUSTON INC. ALBUQUERQUE, NEW MEXICO ENGINEERS PLANNERS PHOTOGRAMMETRISTS	6-22-95
	PROJECT NUMBER
	SHEET 162 OF 162



* LIMITED BY PIPE CONFIGURATION; ADJUST FOR FIELD CONDITIONS

1. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OF TRAFFIC OPEN AT ALL TIMES. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE M.U.T.C.D. THE CONTRACTOR SHALL MAINTAIN AND COORDINATE ACCESS WITH THE ADJACENT PROPERTY OWNERS.



OVERALL MAP



DATE 2/2/85

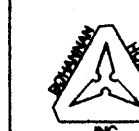
BHI JC d NO. 93252.20 RRUC WC

FILENAME: INMAP.DWG

1. ALL NEW PIPE SHALL BE CEMENT MORTAR LINED DUCTILE IRON, UNLESS NOTED OTHERWISE.
2. EXISTING WATER AND NATURAL GAS SERVICE LINES HAVE NOT BEEN LOCATED ON THESE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE WATER AND NATURAL GAS SERVICE LINES AND NOT DISRUPTING WATER OR NATURAL GAS SERVICE TO THE ADJACENT PROPERTY OWNERS.
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5. ALL VALVES LARGER THAN 12" SHALL BE BUTTERFLY VALVES.
6. MINIMUM COVER OVER THE WATER LINE SHALL BE 6'.
7. SEE SHEET 12 FOR WATER LINE DETAILS.
8. THE CONTRACTOR SHALL PROTECT EXISTING CURB & GUTTER BY PROVIDING TRENCH SLOPE PROTECTION.

1961/5

DESIGNED BY	DJG	DATE	1/94
DRAWN BY	BJB	DATE	1/94



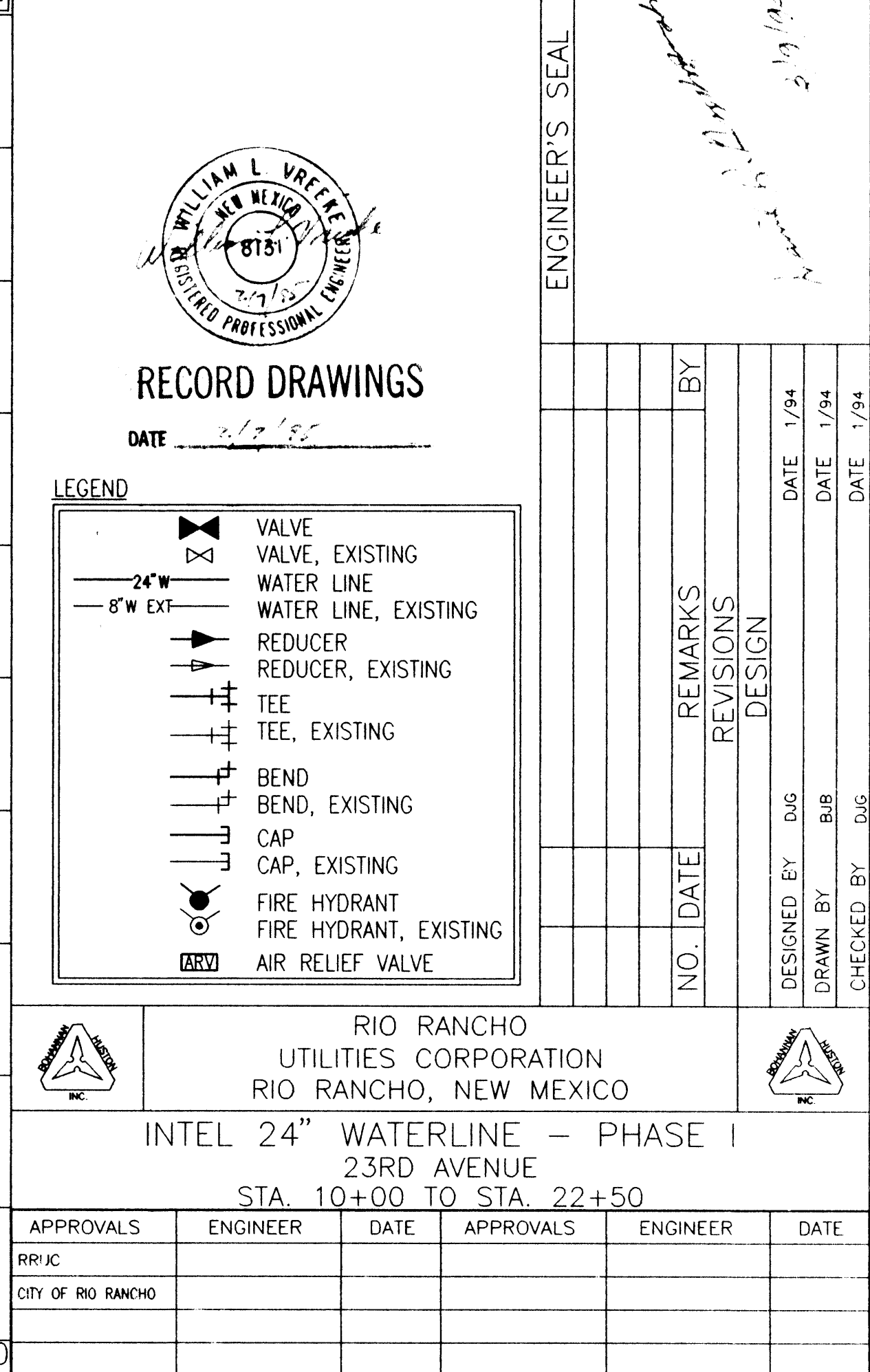
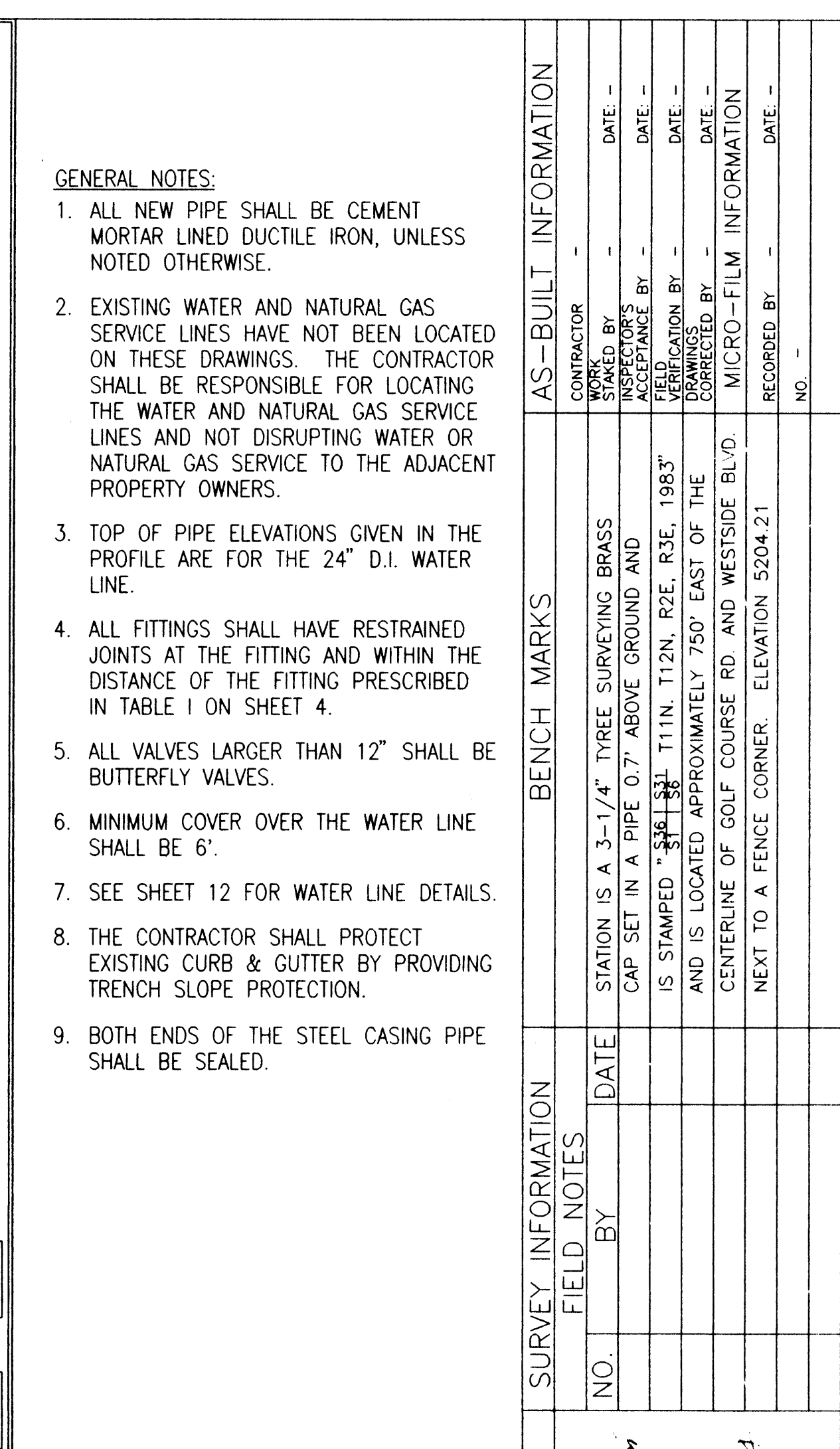
RIO RANCHO
UTILITIES CORPORATION
RIO RANCHO, NEW MEXICO

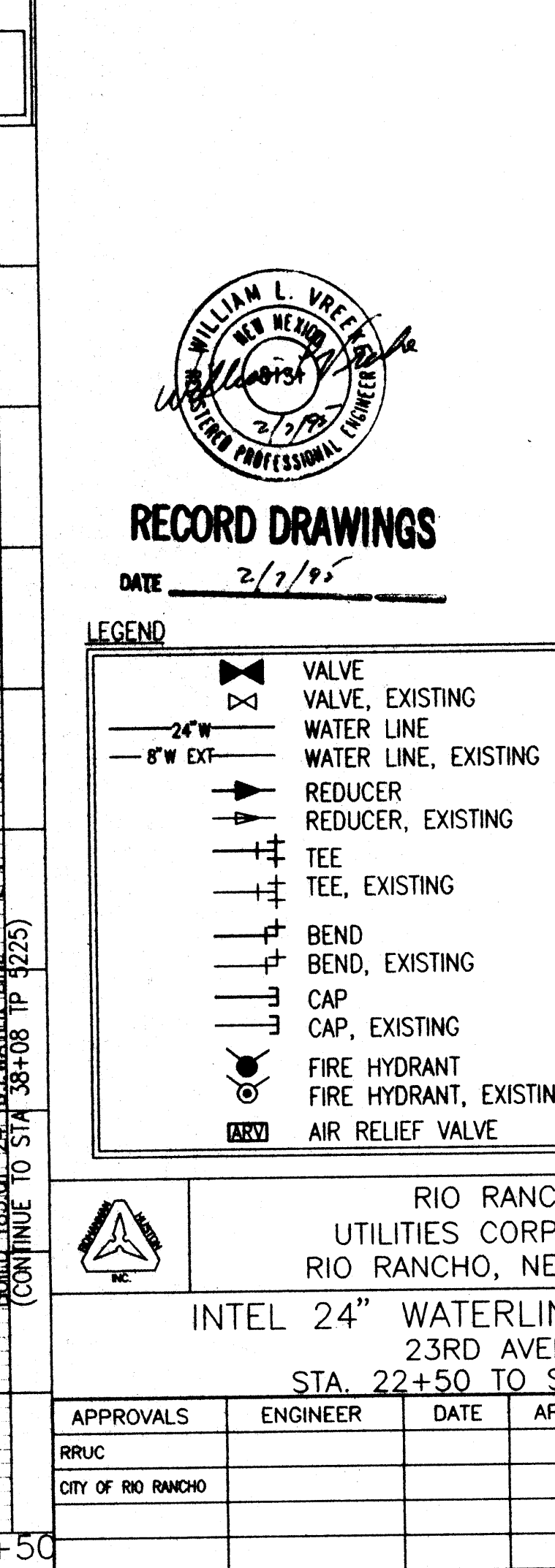
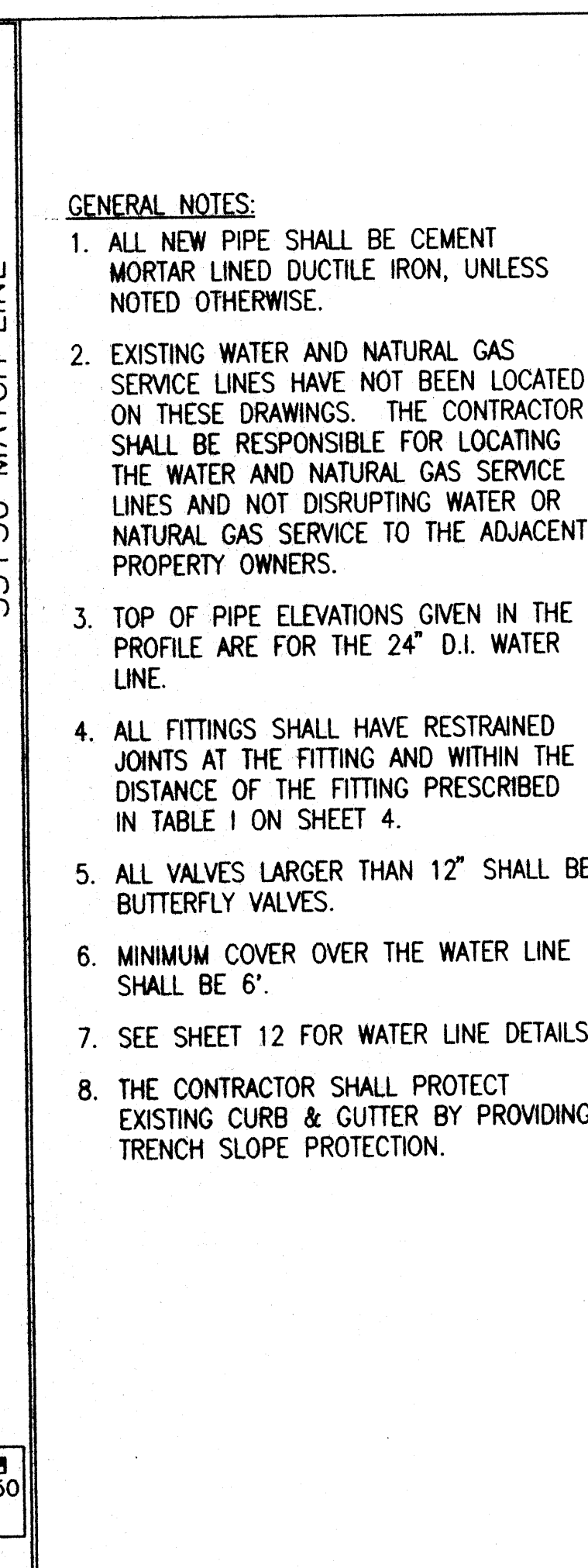


INTEL 24" WATERLINE - PHASE I
OVERALL MAP

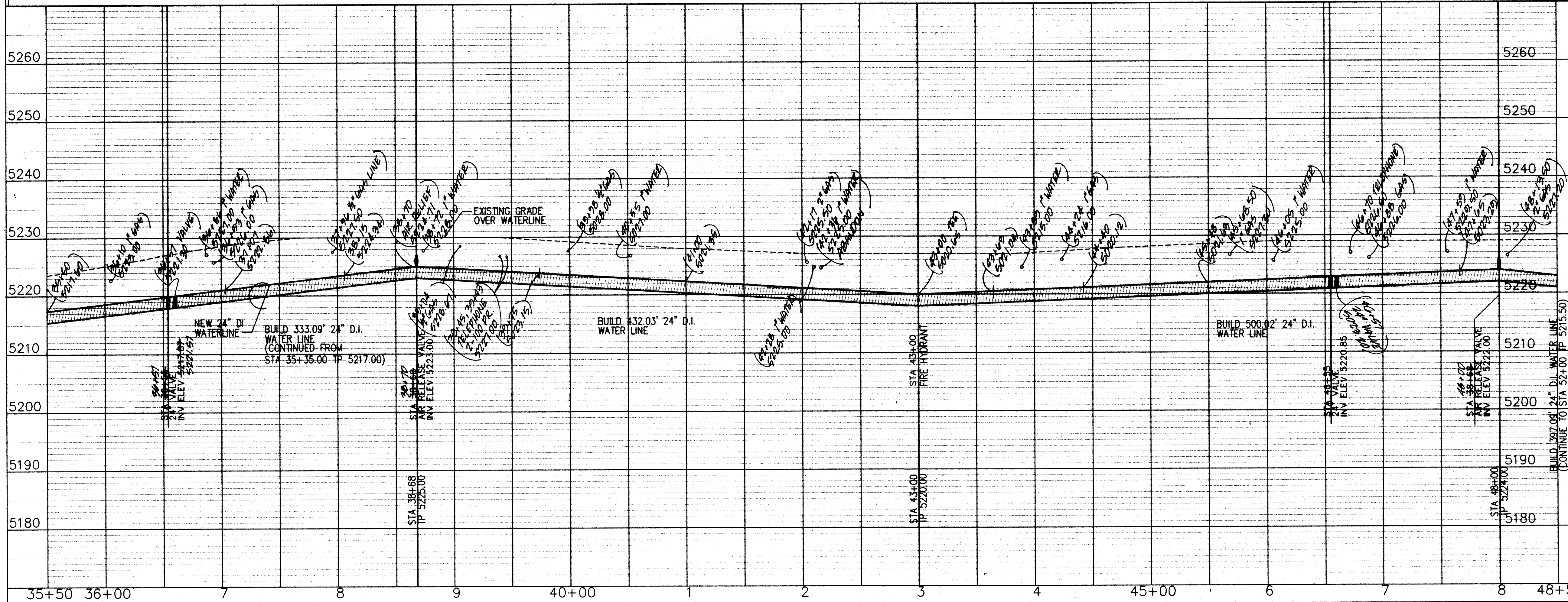
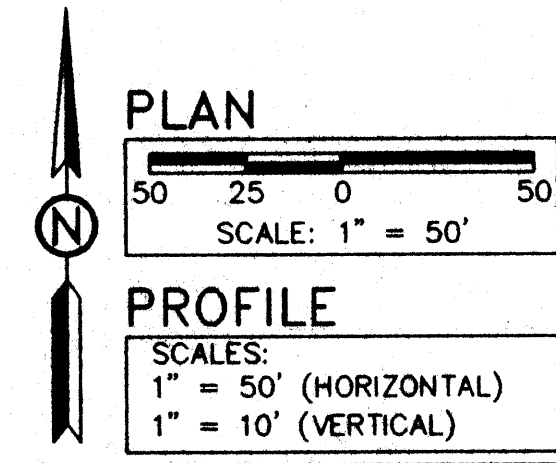
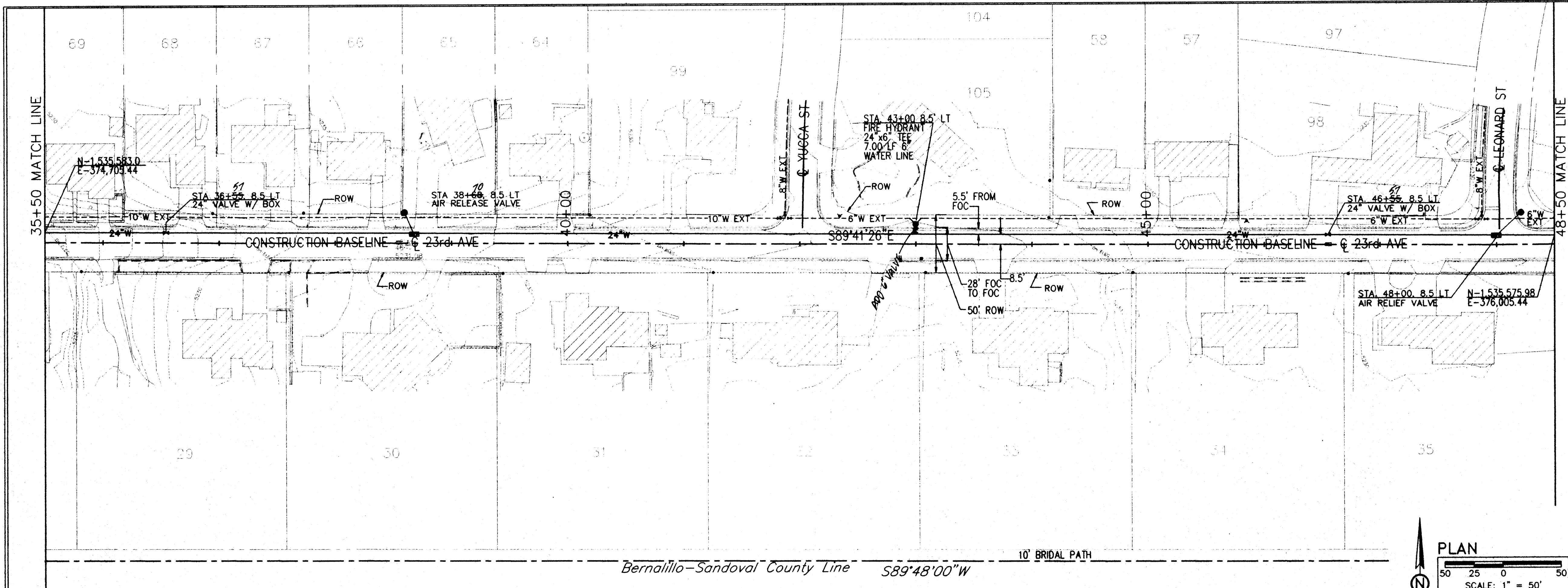
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
RRUC					
CITY OF RIO RANCHO					

DRAWING NO.	MAP NO.	SHEET: 2 OF 12
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G						ENGINEER'S SEAL  3/19/94		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION											
								NO.	BY	DATE	STATION IS A 3-1/4" DYRE SURVEYING BRASS CAP SET IN A PIPE 0.7' ABOVE GROUND AND IS STAMPED "361 S1 T11N. R2E, R3E, 1983" AND IS LOCATED APPROXIMATELY 750' EAST OF THE CENTERLINE OF GOLF COURSE RD. AND WESTSIDE BLVD. NEXT TO A FENCE CORNER. ELEVATION 5204.21	CONTRACTOR — SWAYED BY — INSPECTOR'S ACCEPTANCE BY — VERIFICATION BY — DRAWINGS CORRECTED BY — MICRO-FILM INFORMATION RECORDED BY — NO. —	DATE — DATE — DATE — DATE — DATE — DATE —										
NO. DATE						REMARKS																	
						REVSIONS																	
						DESIGN																	
DESIGNED BY DJG						DATE 1/94																	
DRAWN BY BJB						DATE 1/94																	
CHECKED BY DJG						DATE 1/94																	
APPROVALS								ENGINEER								DATE							
NO.								SHEET:								OF 12							
								4															



- GENERAL NOTES:
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 7. SEE SHEET 12 FOR WATER LINE DETAILS.
 8. THE CONTRACTOR SHALL PROTECT EXISTING CURB & GUTTER BY PROVIDING TRENCH SLOPE PROTECTION.



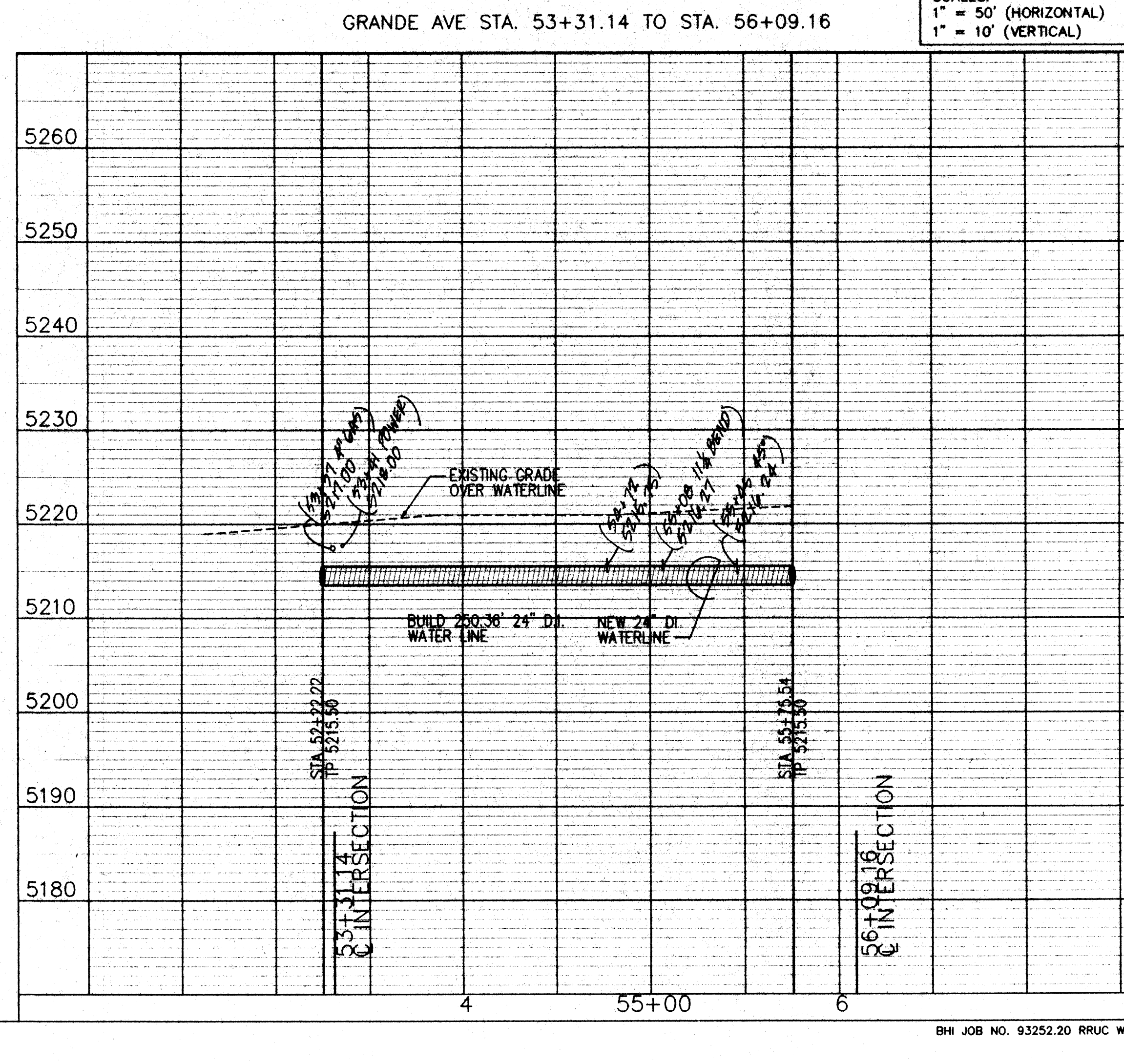
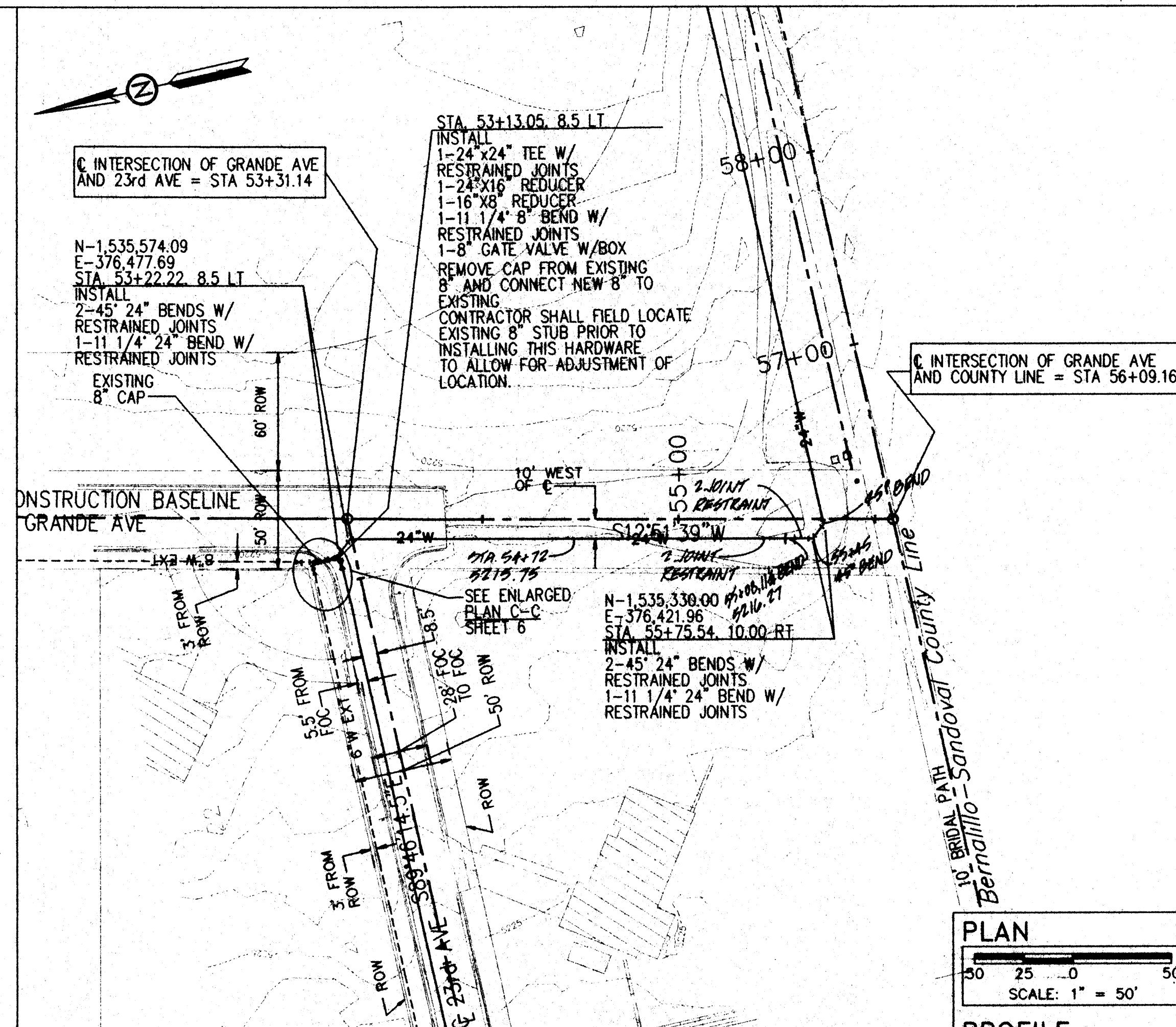
RECORD DRAWINGS

DATE 2/7/95

LEGEND

	VALVE
	WATER LINE, EXISTING
	WATER LINE, EXISTING
	REDUCER, EXISTING
	TEE, EXISTING
	BEND, EXISTING
	CAP, EXISTING
	FIRE HYDRANT, EXISTING
	AIR RELIEF VALVE

RIO RANCHO UTILITIES CORPORATION RIO RANCHO, NEW MEXICO		
INTEL 24" WATERLINE - PHASE I 23RD AVENUE STA. 35+50 TO STA. 48+50		
APPROVALS	ENGINEER	DATE
RRUC		
CITY OF RIO RANCHO		
DRAWING NO.	MAP NO.	SHEET: 5 OF 12

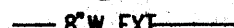




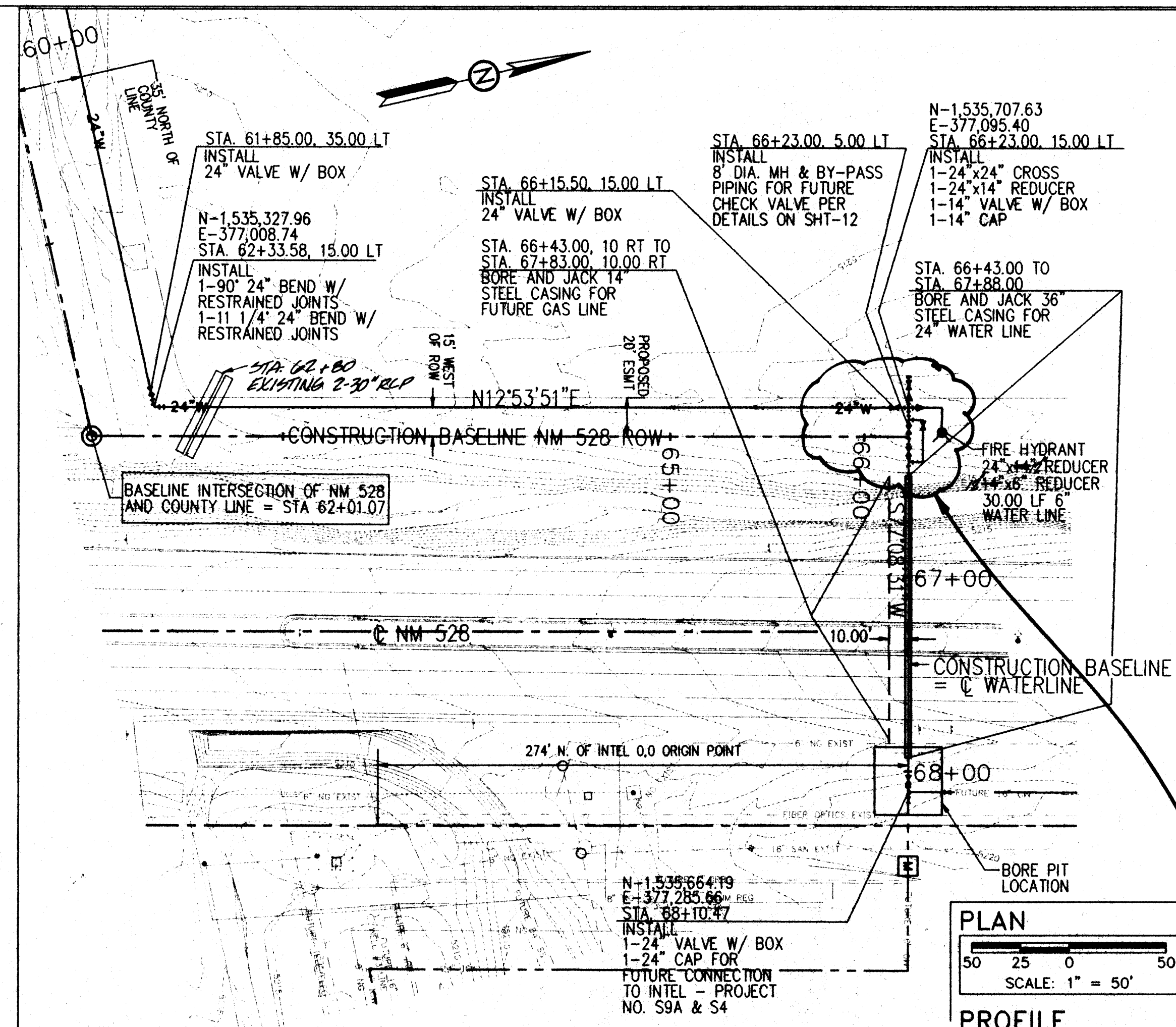
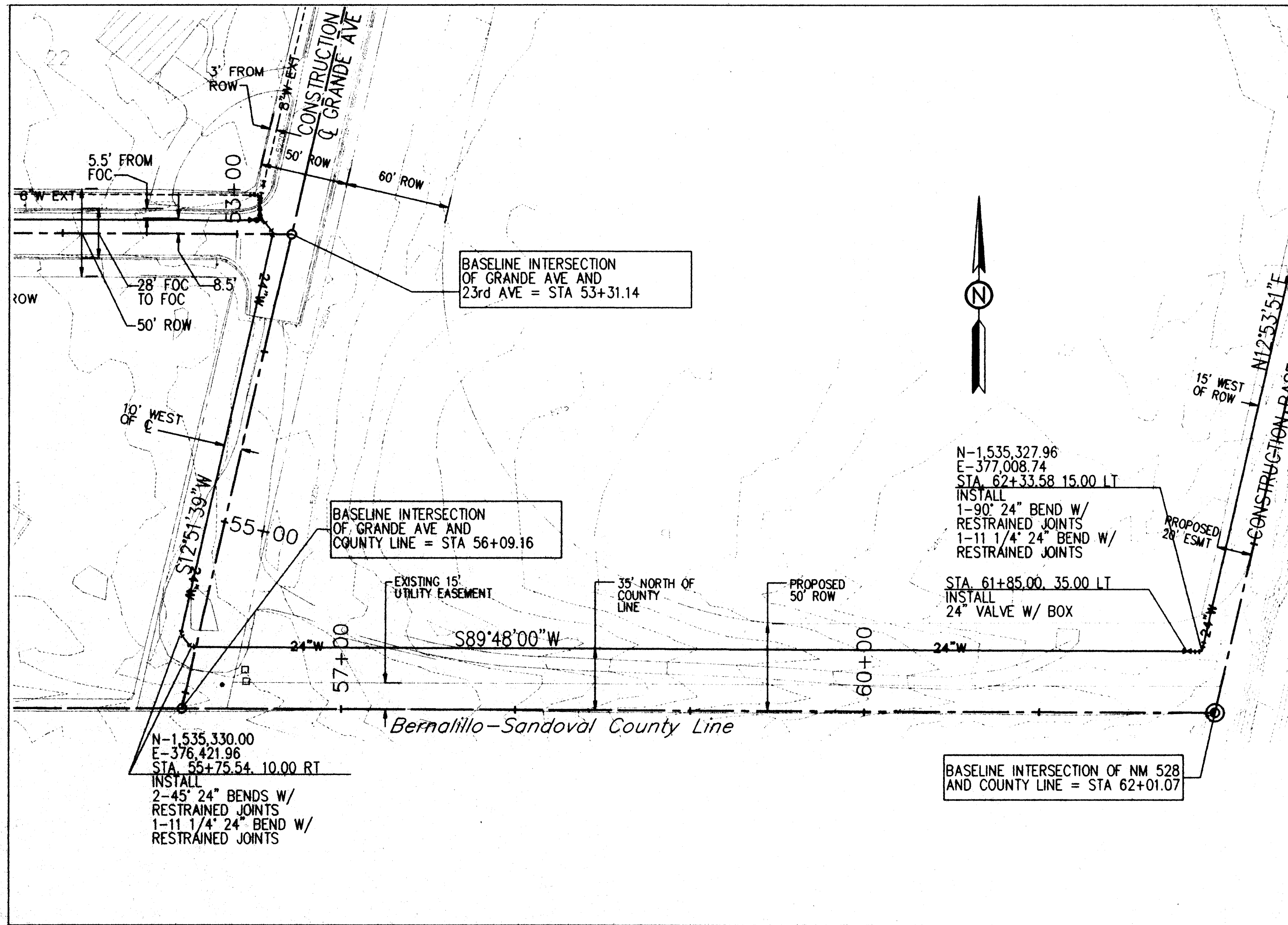
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DATE 2/7/88

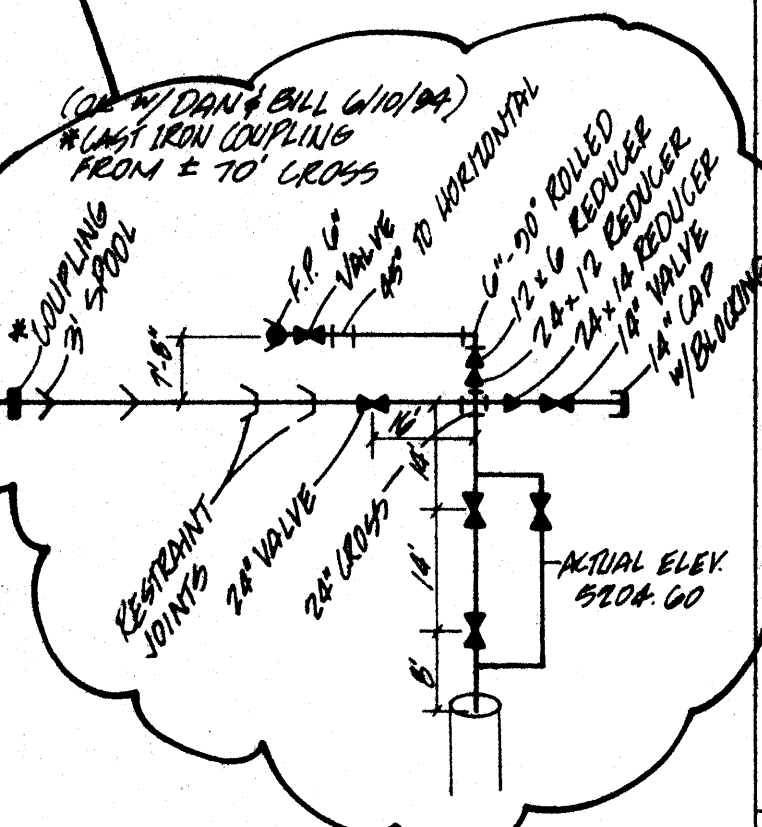
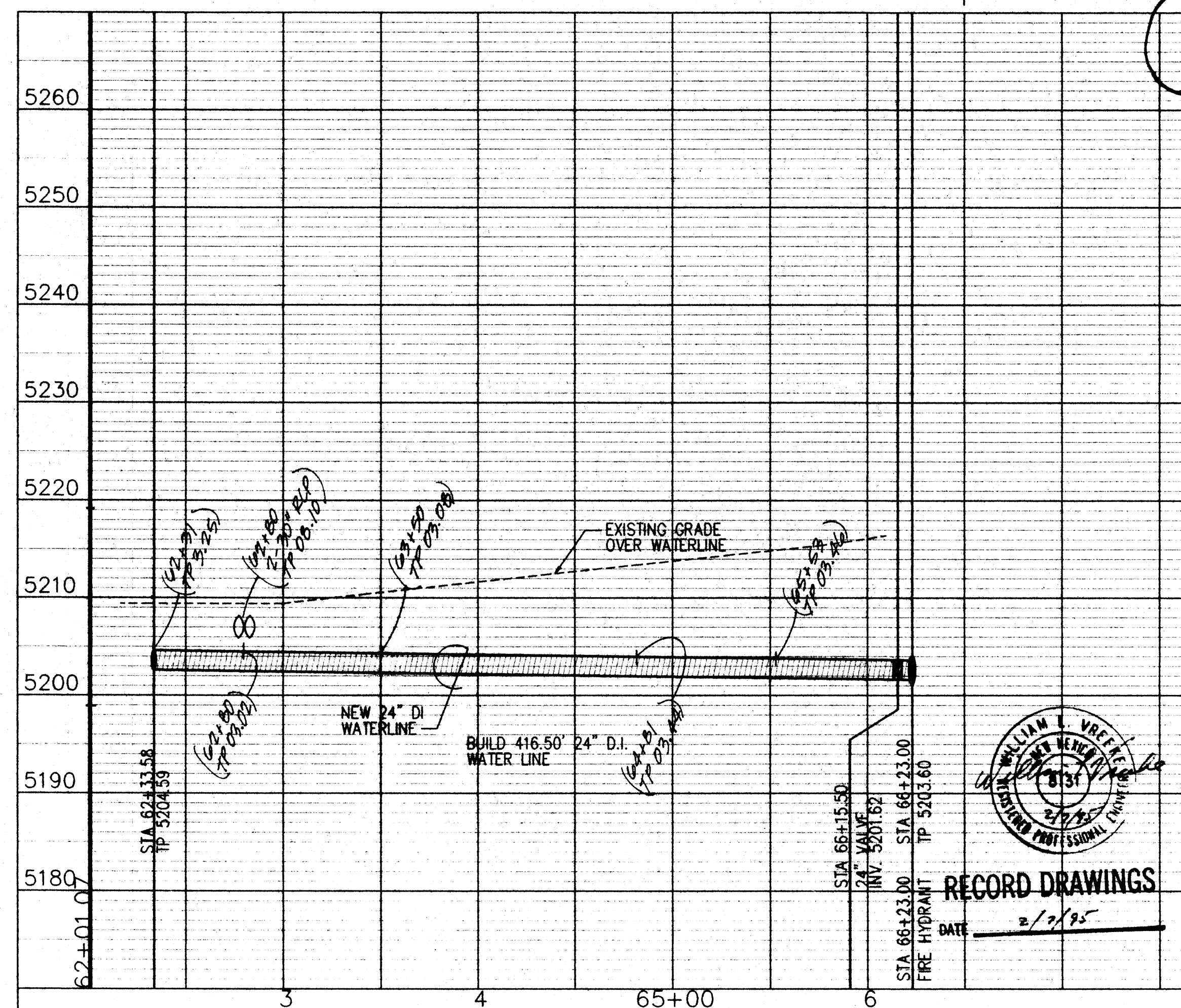
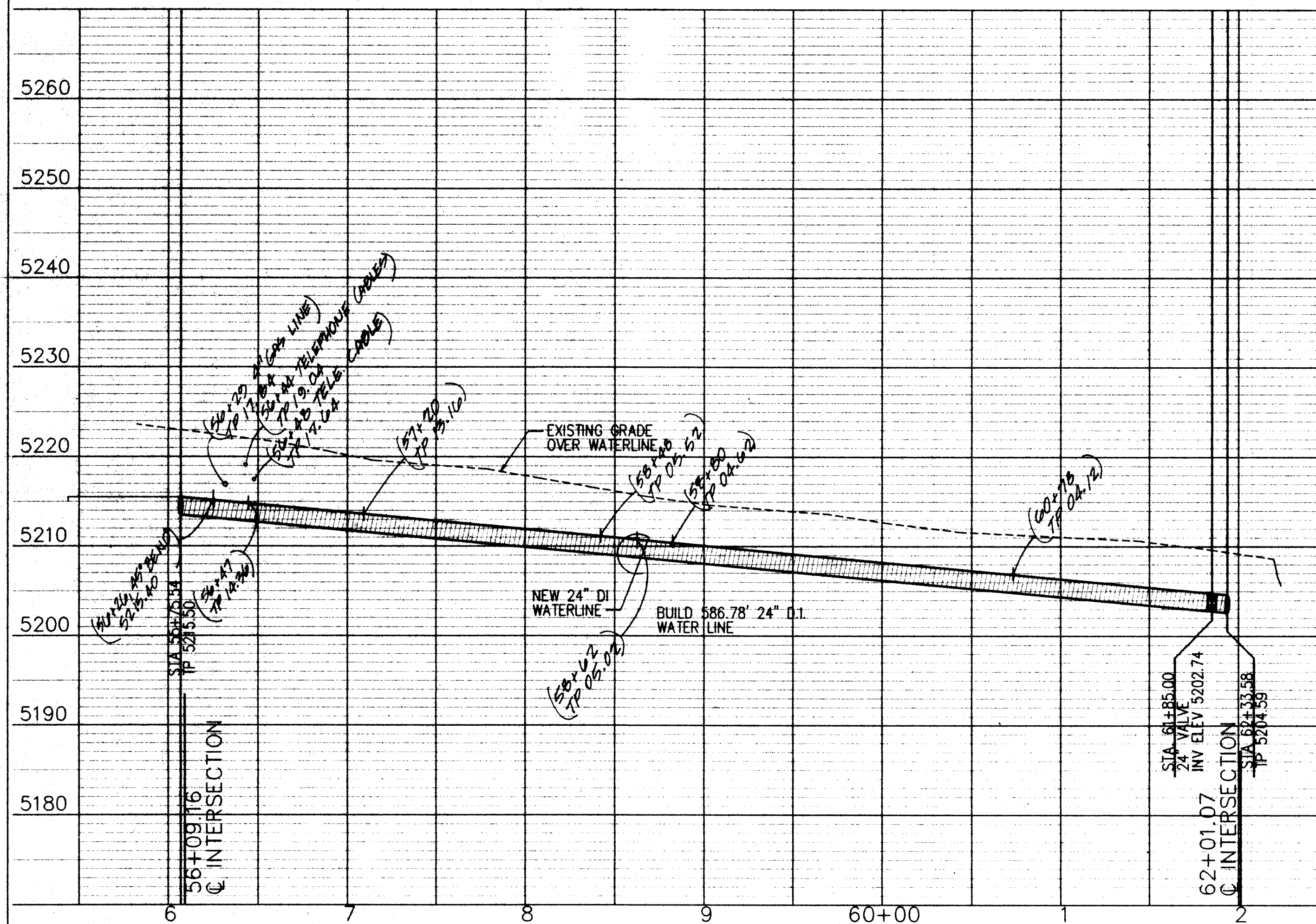
LEGEND

	VALVE
	VALVE, EXISTING
	WATER LINE
	WATER LINE, EXISTING
	REDUCER
	REDUCER, EXISTING
	TEE
	TEE, EXISTING
	BEND
	BEND, EXISTING
	CAP
	CAP, EXISTING
	FIRE HYDRANT
	FIRE HYDRANT, EXISTING
	AIR RELIEF VALVE

	RIO RANCHO UTILITIES CORPORATION RIO RANCHO, NEW MEXICO	
INTEL 24" WATERLINE – PHASE I 23RD AVENUE STA. 48+50 TO 53+31.14 GRANDE AVENUE STA. 53+31.14 TO STA. 56+09.16		
APPROVALS	ENGINEER	DATE
RRUC		
CITY OF RIO RANCHO		



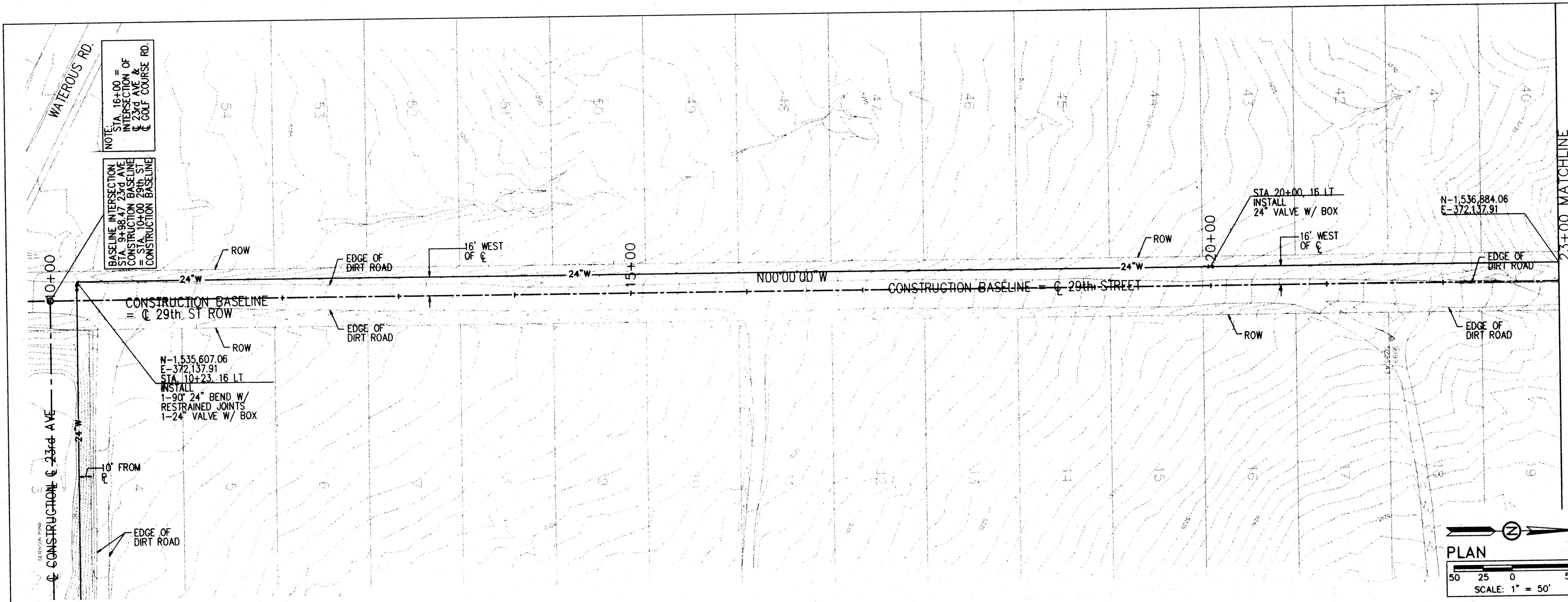
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 6. MINIMUM COVER OVER THE WATER LINE SHALL BE 6'.
 7. SEE SHEET 12 FOR WATER LINE DETAILS.
 8. THE CONTRACTOR SHALL PROTECT EXISTING CURB & GUTTER BY PROVIDING TRENCH SLOPE PROTECTION.
 9. THE 8" DIA. MH FOR THE FUTURE CHECK VALVE SHALL BE TYPE "C" AS PER THE CITY OF ALBUQUERQUE STD. DWG. 2101.
 10. BOTH ENDS OF THE STEEL CASING PIPE SHALL BE SEALED.



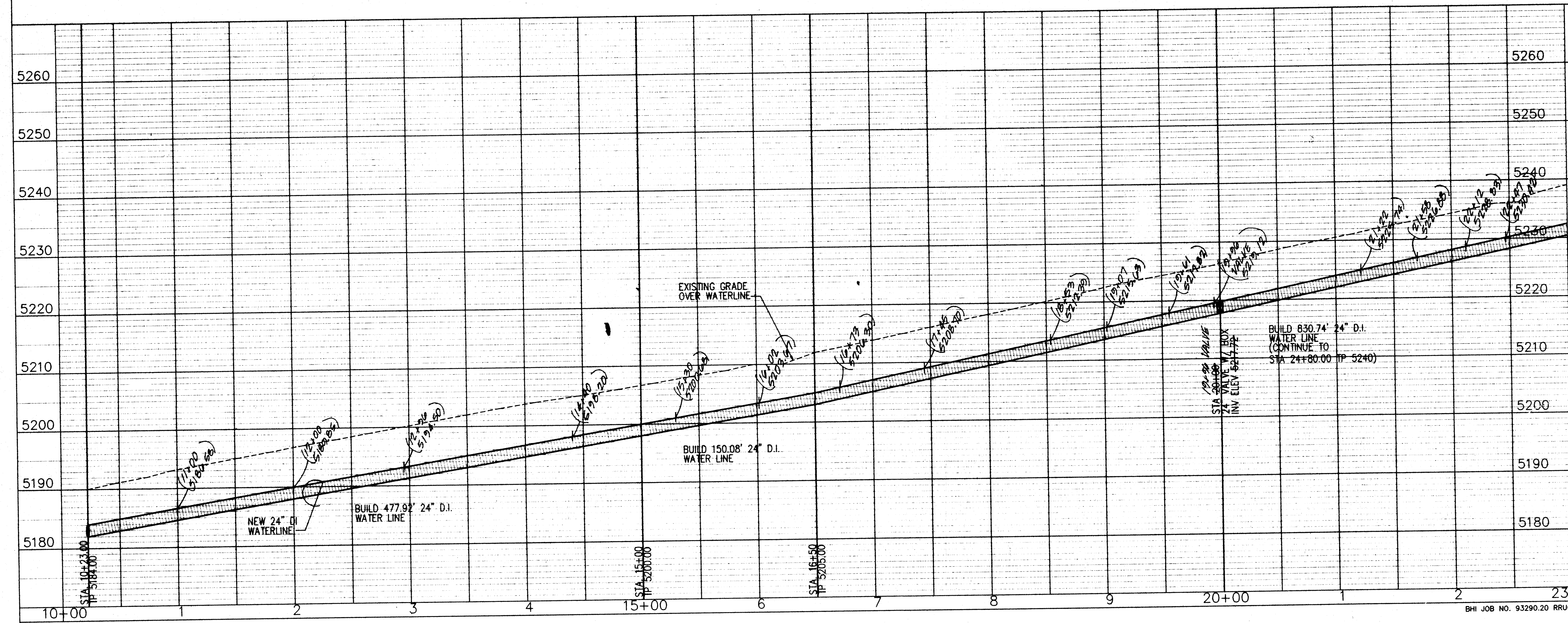
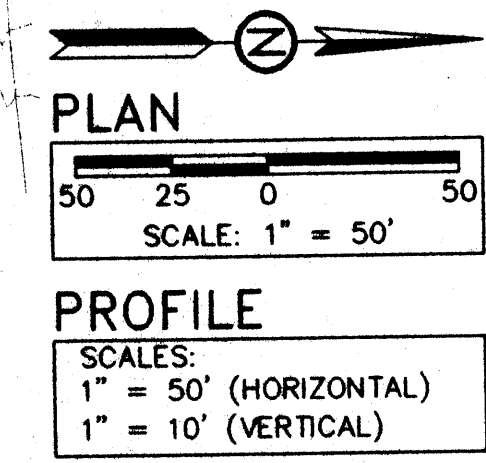
LEGEND

	VALVE
	WATER LINE, EXISTING
	REDUCER, EXISTING
	TEE, EXISTING
	BEND, EXISTING
	CAP, EXISTING
	FIRE HYDRANT
	AIR RELIEF VALVE

RIO RANCHO UTILITIES CORPORATION RIO RANCHO, NEW MEXICO			INTEL 24" WATERLINE - PHASE I COUNTY LINE STA. 56+09.16 TO 62+01.07 NM 528 WEST ROW STA. 62+01.07 TO STA. 66+23.00		
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
RRUC					
CITY OF RIO RANCHO					



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RECORD DRAWINGS
DATE 2/7/95

- LEGEND
- VALVE
 - VALVE, EXISTING
 - WATER LINE
 - WATER LINE, EXISTING
 - REDUCER
 - REDUCER, EXISTING
 - TEE
 - TEE, EXISTING
 - BEND
 - BEND, EXISTING
 - CAP
 - CAP, EXISTING
 - FIRE HYDRANT
 - FIRE HYDRANT, EXISTING
 - AIR RELIEF VALVE

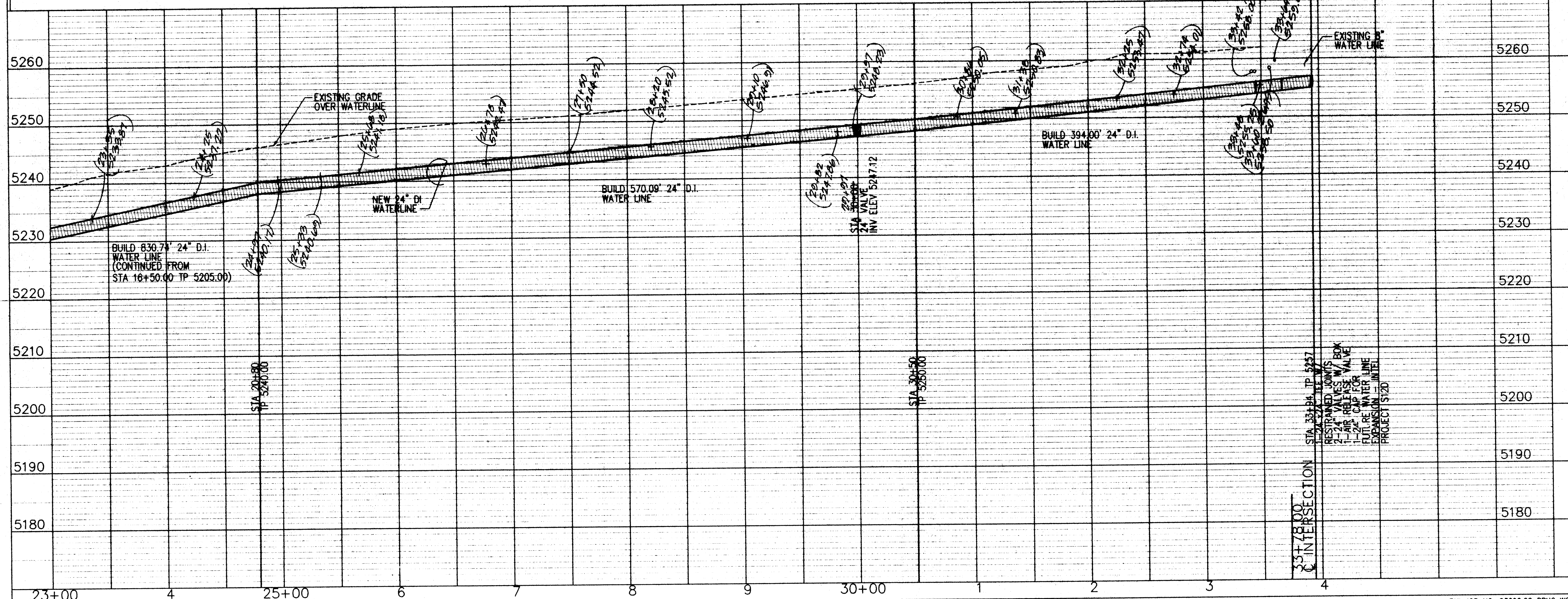
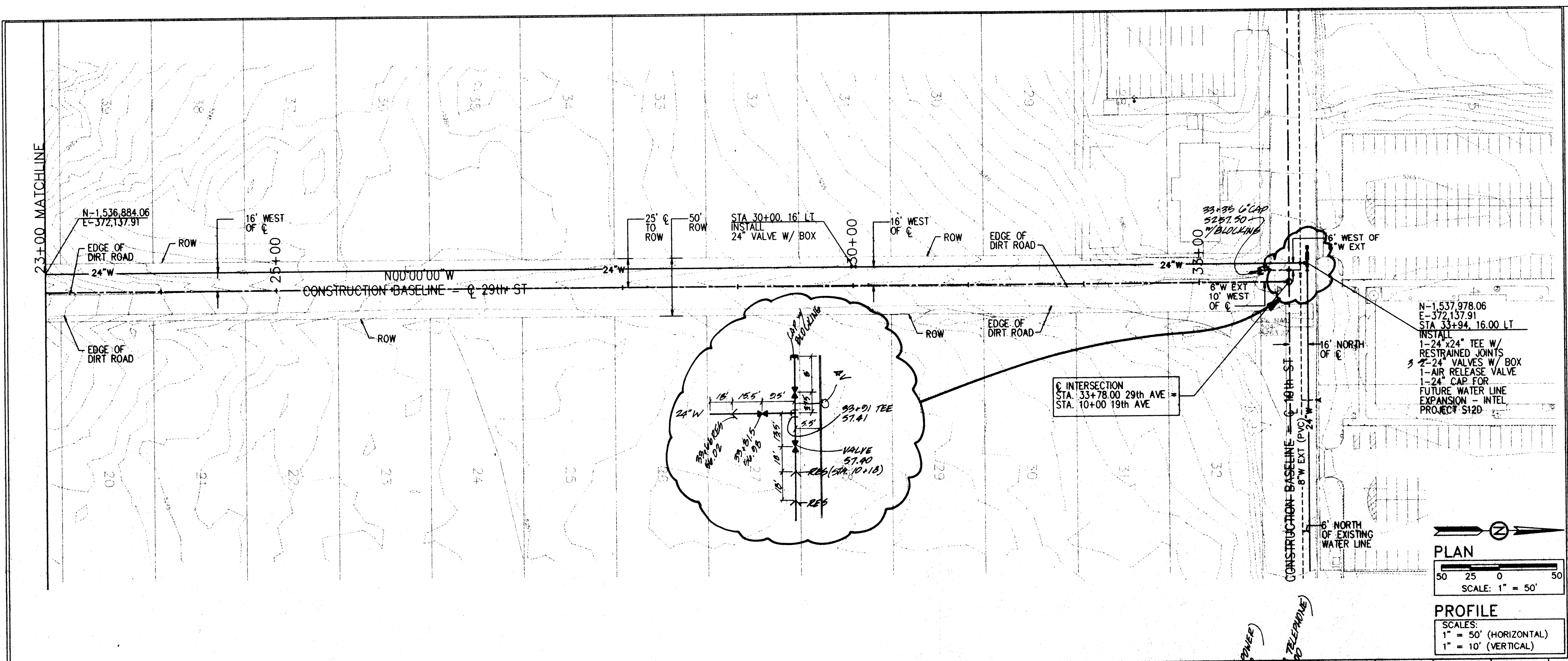
RIO RANCHO UTILITIES CORPORATION
RIO RANCHO, NEW MEXICO

INTEL 24" WATERLINE - PHASE I
29TH STREET
STA. 10+00 TO STA. 23+00

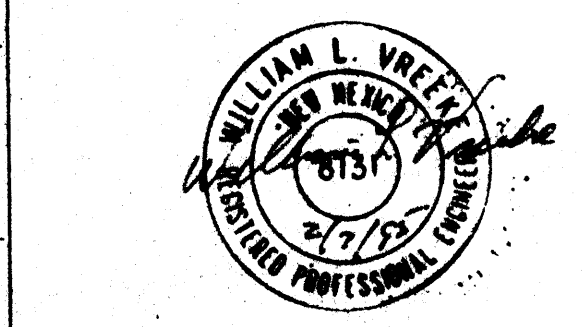
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
RRUC					
CITY OF RIO RANCHO					

DRAWING NO. MAP NO. SHEET: 9 OF 12

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		ENGINEER'S SEAL	
CONTRACTOR	DATE	STATION	DATE	NO.	BY	NO.	BY	NO.	BY
		STATION IS A 3-1/4" TYRE SURVEYING BRASS							
		CAP SET IN A PIPE 0.7' ABOVE GROUND AND							
		IS STAMPED "S&B 111N. T2N. R2E. 1983"							
		AND IS LOCATED APPROXIMATELY 750' EAST OF THE							
		CENTERLINE OF GOLF COURSE RD. AND WESTSIDE BLVD.							
		NEXT TO A FENCE CORNER ELEVATION 5204.21							



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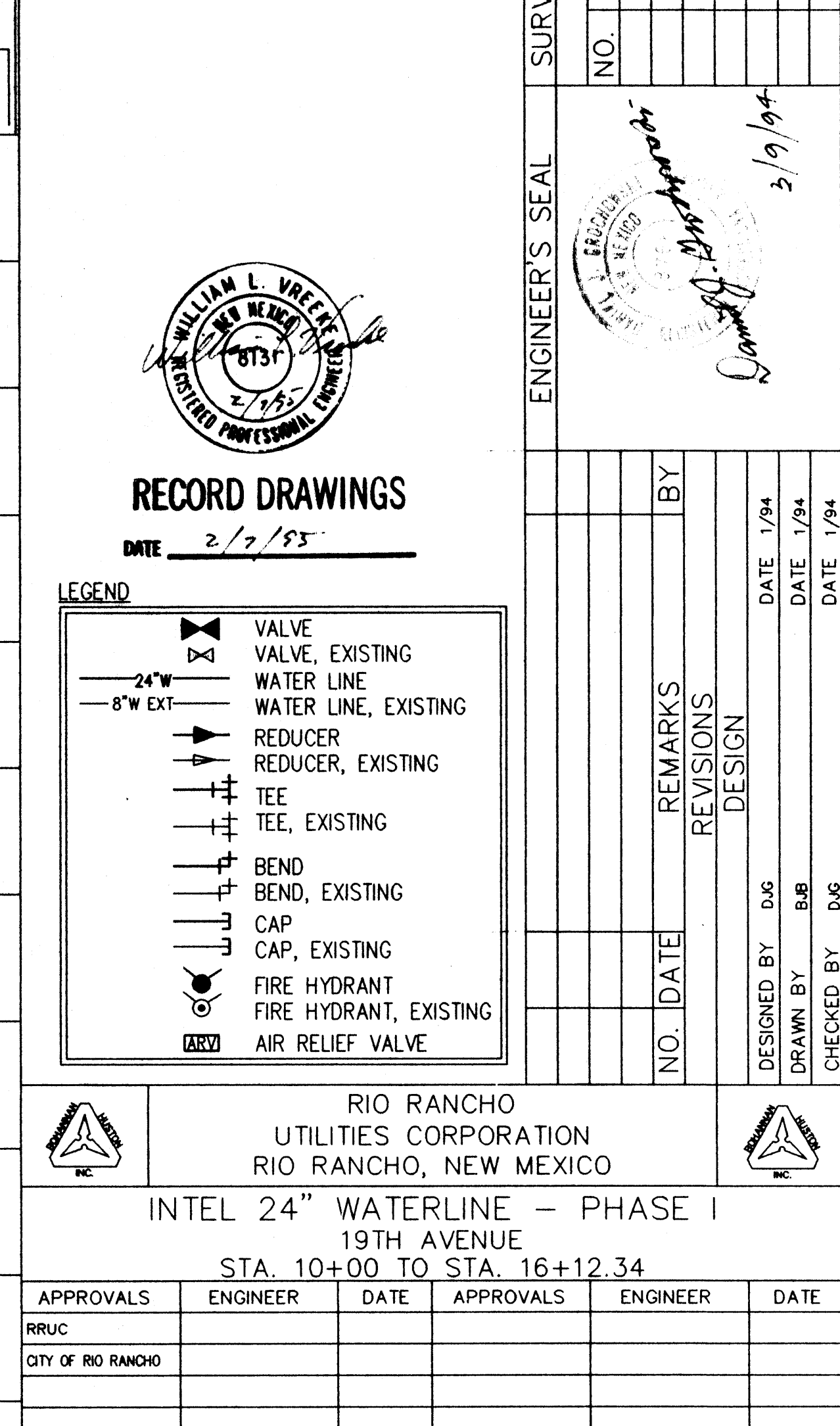
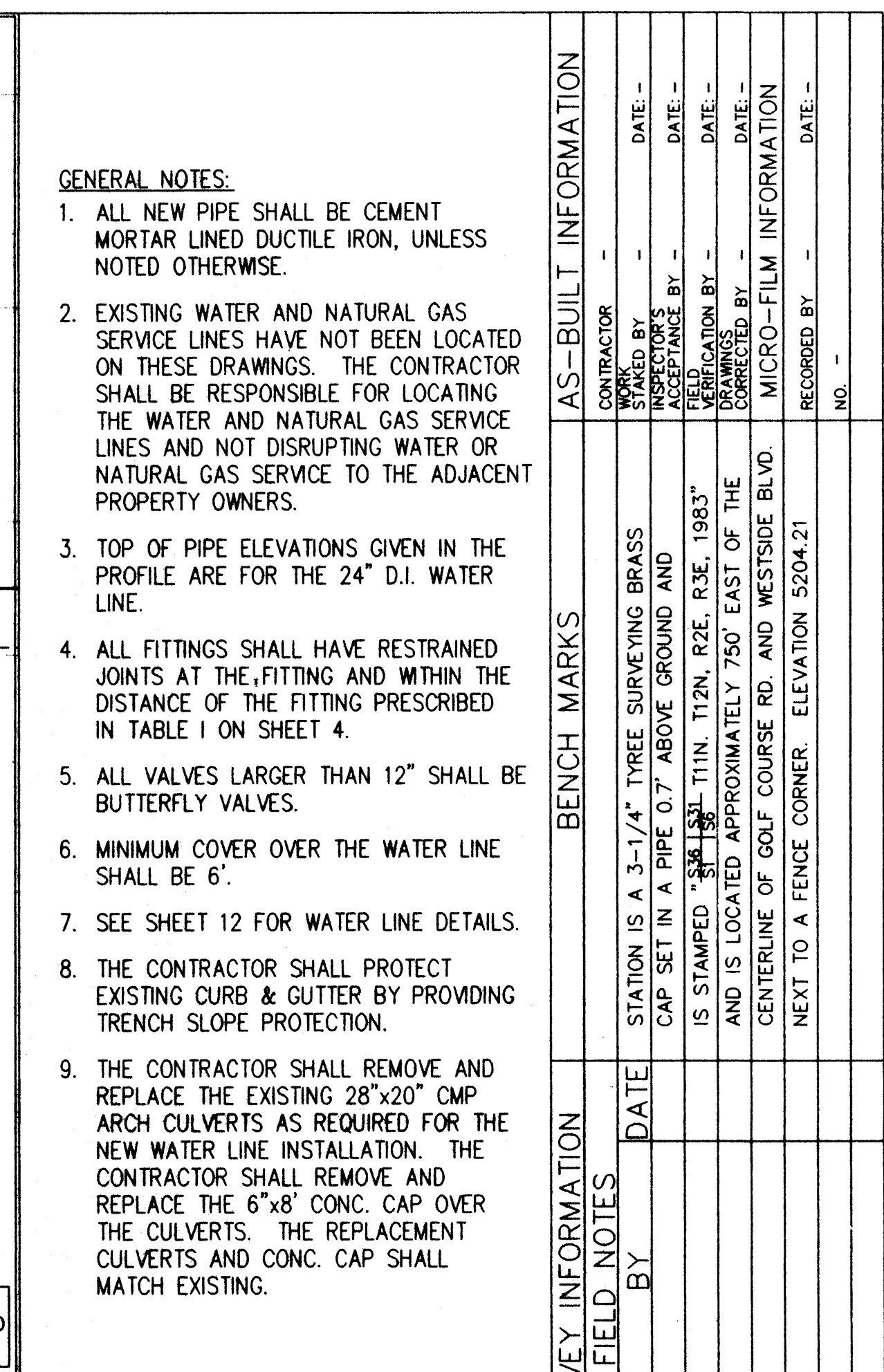


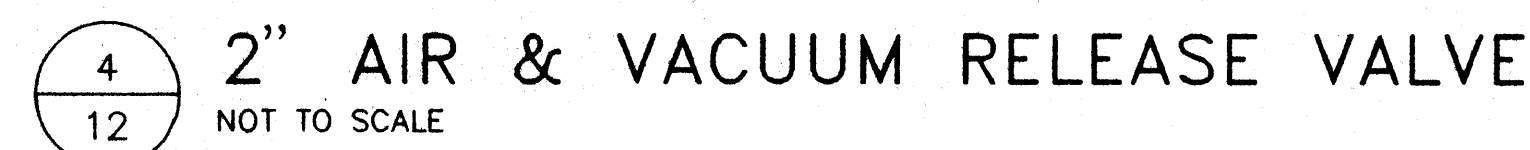
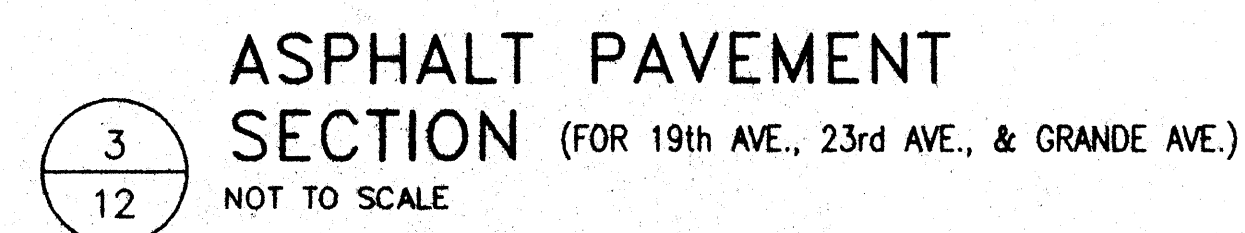
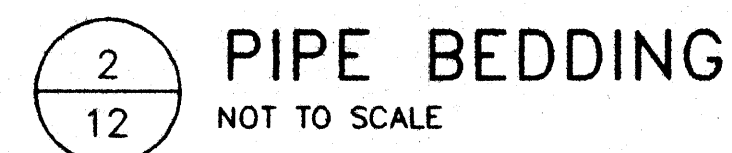
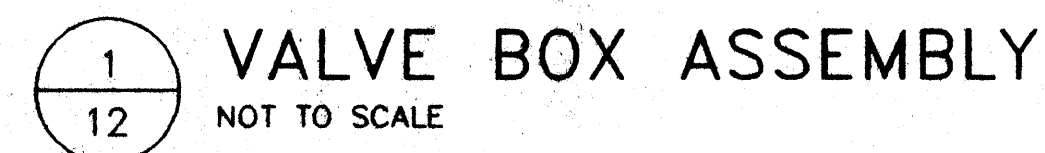
RECORD DRAWINGS
DATE 2/7/95

LEGEND

	VALVE
	WATER LINE, EXISTING
	WATER LINE, EXISTING
	REDUCER
	REDUCER, EXISTING
	TEE
	TEE, EXISTING
	BEND
	BEND, EXISTING
	CAP
	CAP, EXISTING
	FIRE HYDRANT
	FIRE HYDRANT, EXISTING
	AIR RELIEF VALVE

RIO RANCHO UTILITIES CORPORATION RIO RANCHO, NEW MEXICO					
INTEL 24" WATERLINE - PHASE I 29TH STREET STA. 23+00 TO STA. 33+78.00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
RRUC					
CITY OF RIO RANCHO					
DRAWING NO.			MAP NO.		SHEET: 10 OF 12





					ENGINEER'S SEAL	SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION		
					 <i>Daniel J. Grelund</i> 3/10/14	FIELD NOTES						
						NO.	BY	DATE			CONTRACTOR	-
											WORK SHED BY	
											FIELD LAYOUT BY	DATE -
											ACCEPTANCE BY	DATE -
										TRAINING CORRECTED BY	DATE -	
											MICRO-FILM INFORMATION	
											RECORDED BY	-
											DATE -	
											NO.	-
DESIGNED BY	DGC											
DRAWN BY	BUB											



RECORD DRAWINGS

DATE 2/7/95

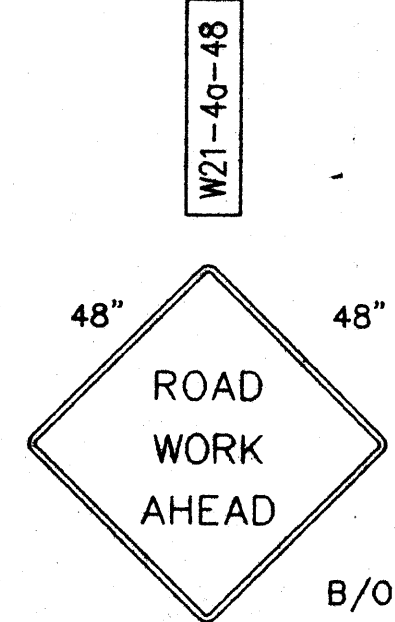
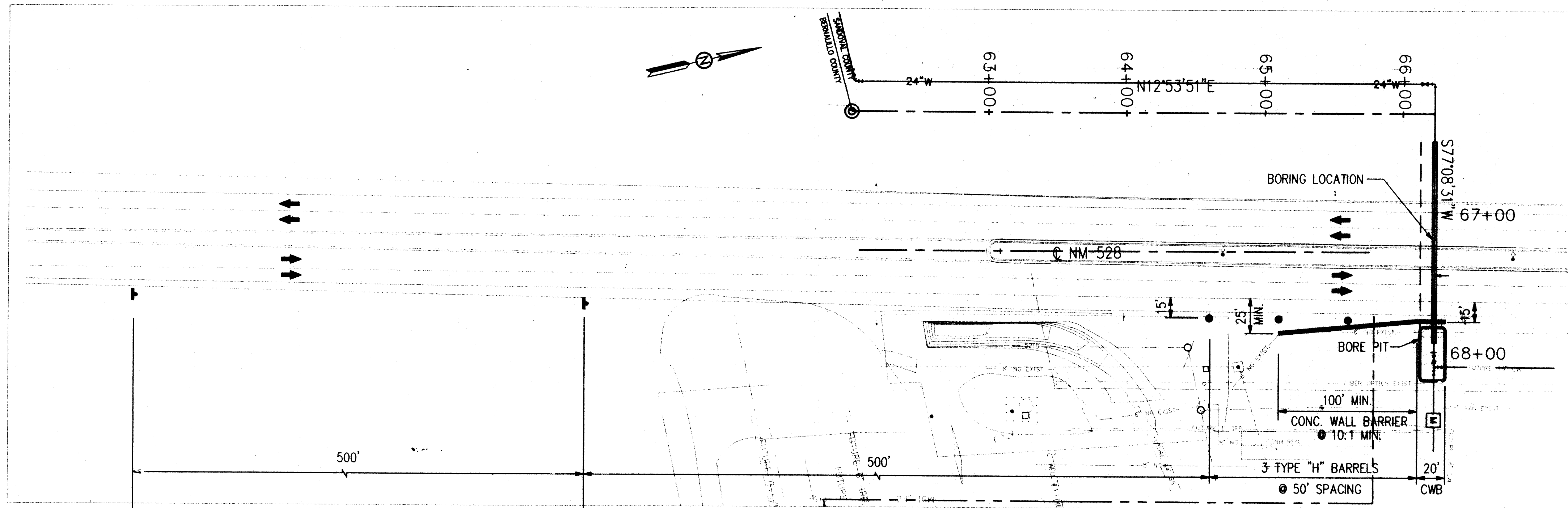


RIO RANCHO
UTILITIES CORPORATION
RIO RANCHO, NEW MEXICO

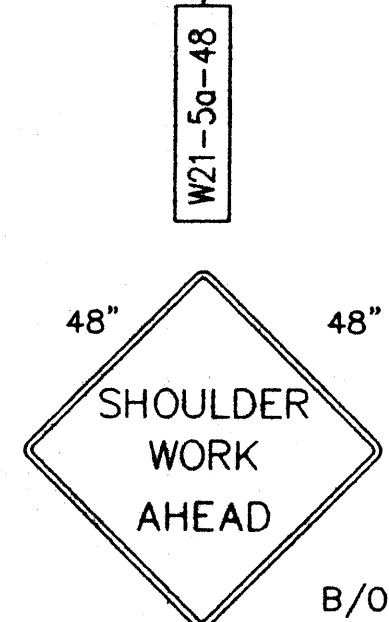
INTEL 24" WATERLINE - PHASE I
MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
RRUC					
CITY OF RIO RANCHO					

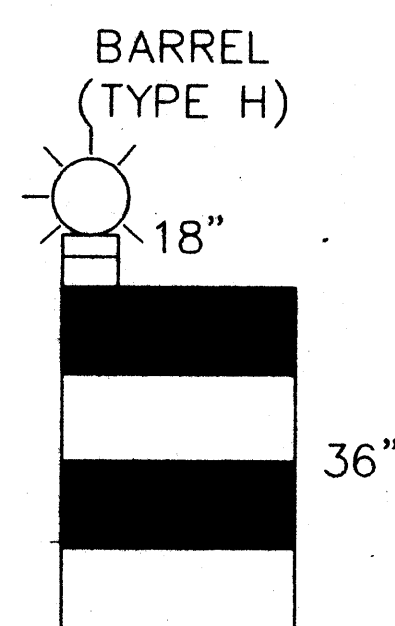
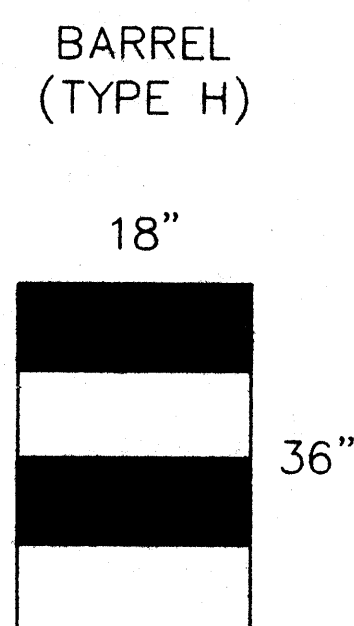
WC	DRAWING NO.	MAP NO.	SHEET: 12 OF 12
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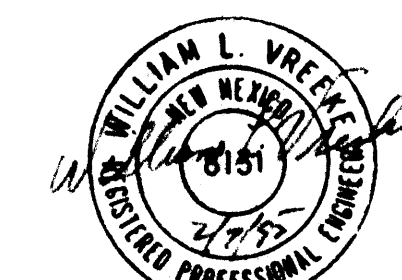
W21-4a-48



W21-5a-48



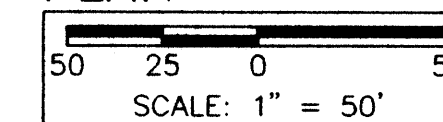
TYPE "H" BARRELS SHALL BE BALLASTED WITH SAND BAGS. A MAXIMUM OF 100 LBS. OF BALLAST SHALL BE USED. REFLECTIVITY III-A SHEETING SHALL BE USED ON TYPE "H" BARRELS. FOR NIGHT TIME USE, WARNING LIGHTS WILL BE REQUIRED ON CHANNELIZING DEVICES.



RECORD DRAWINGS

DATE 2/7/95

PLAN



TRAFFIC CONTROL LEGEND

- TYPE "H" BARREL
- ↑ SIGN
- CONCRETE WALL BARRIER



RIO RANCHO
UTILITIES CORPORATION
RIO RANCHO, NEW MEXICO

INTEL 24" WATERLINE - PHASE I
TRAFFIC CONTROL PLAN
AT NM 528 CROSSING

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
RRUC					
CITY OF RIO RANCHO					

DRAWING NO. MAP NO. SHEET: 12A OF 12

NOTE:

CONCRETE WALL BARRIER SHALL BE 32" HIGH (MIN.), AND SHALL BE OF 10'-0" OR 12'-6" LENGTH. ALL TRAFFIC DEVICES SHALL BE APPROVED BY THE NMSHTD DISTRICT TRAFFIC ENGINEER.

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	NO.	DATE	CONTRACTOR	DATE
				STATION IS A 3-1/4" TYREE SURVEYING BRASS	
				CAP SET IN A F 3E 0.7' ABOVE GROUND AND	
				IS STAMPED "SM 111N T12N R2E R3E 1983"	
				AND IS LOCATED APPROXIMATELY 750' EAST OF THE	
				CENTERLINE OF GOLF COURSE RD. AND WESTSIDE BLVD.	
				NEXT TO A FENCE CORNER. ELEVATION 5204.21	
				MICRO-FILM INFORMATION	
				RECORDED BY	NO.

3/9/95

DESIGNED BY	DATE	1/94
DUG		
DRAWN BY	DATE	1/94
LAH		
CHECKED BY	DATE	1/94
DUG		