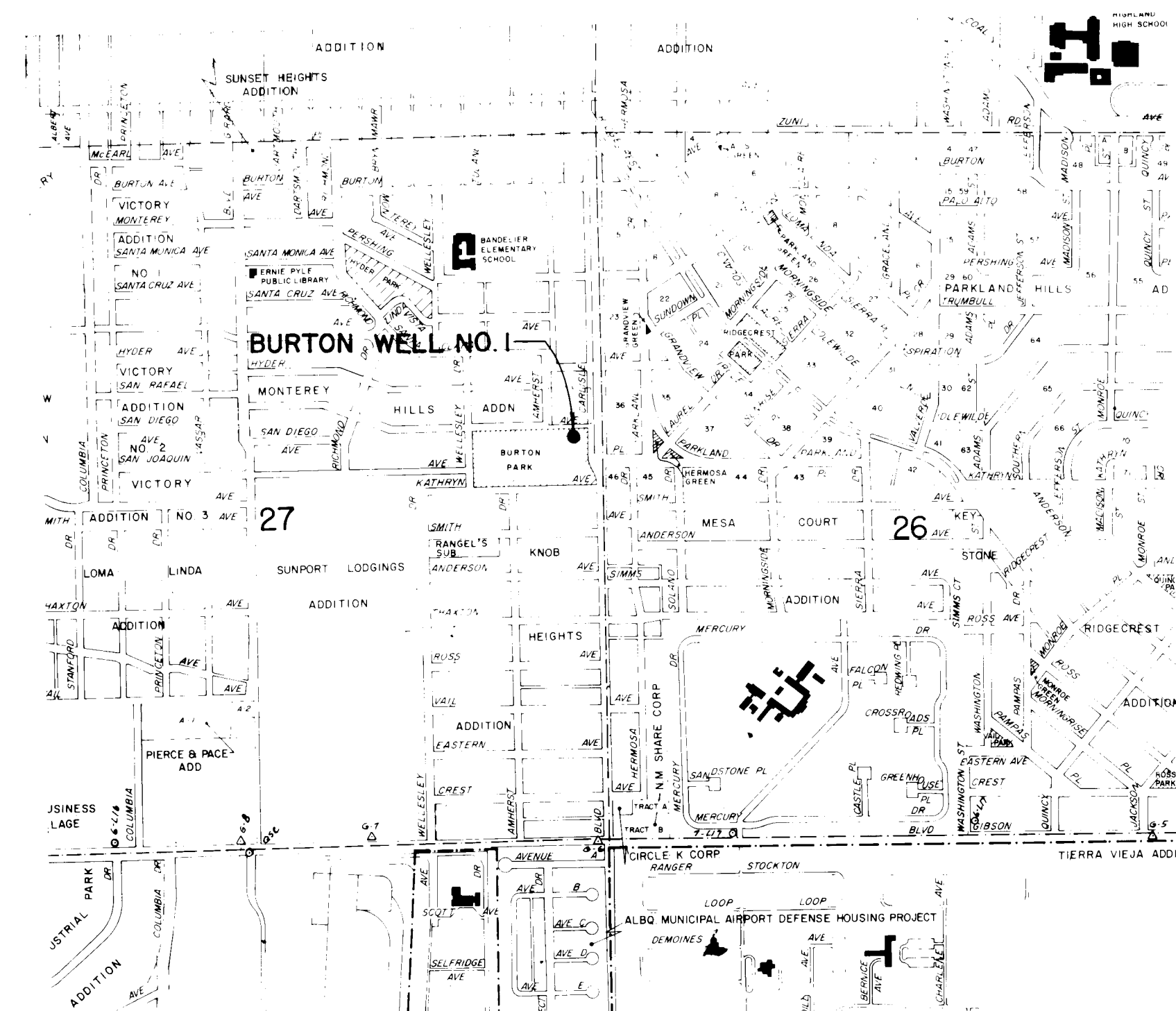
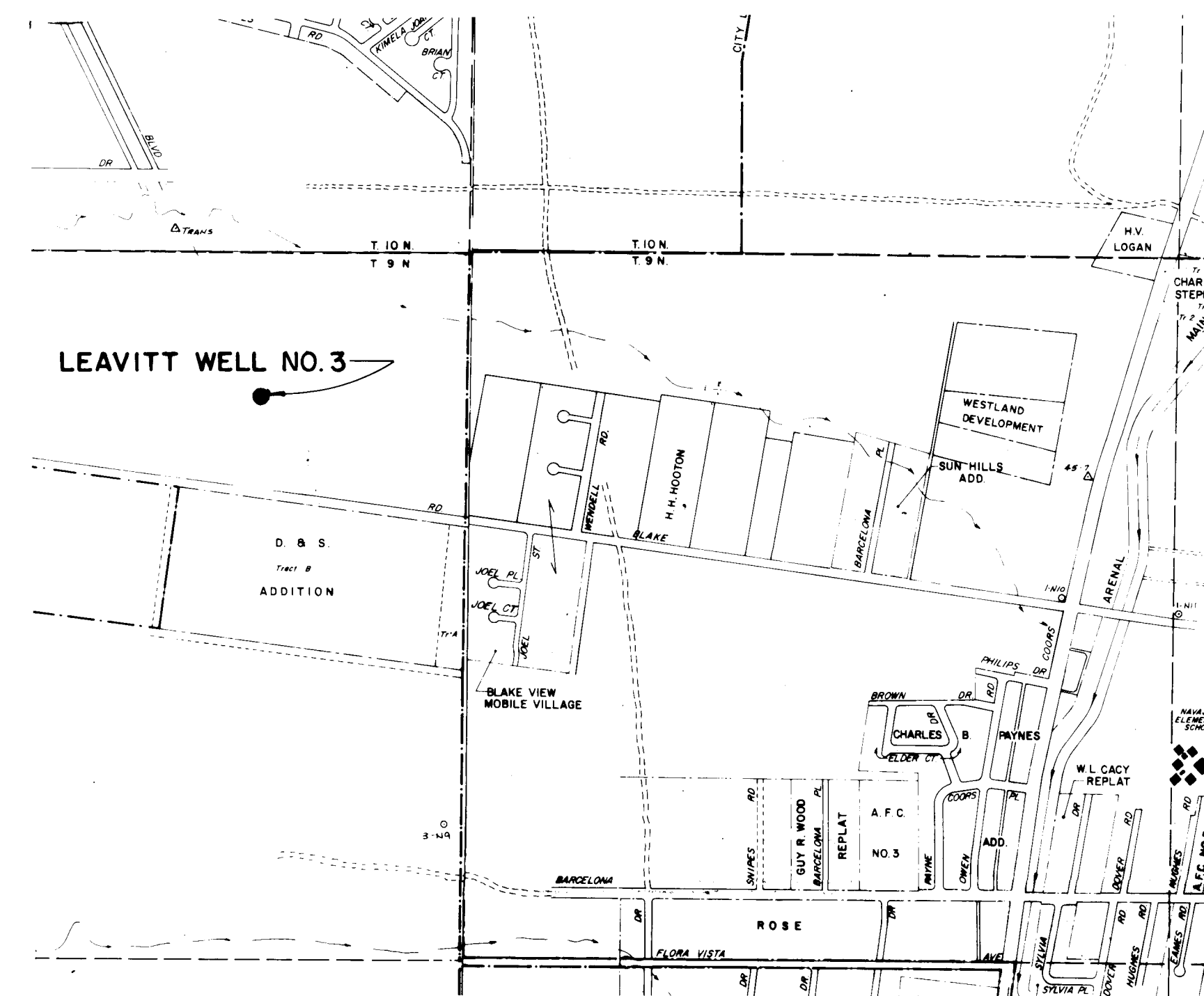


BURTON NO.1 AND LEAVITT NO.3 WELL DRILLING 1985



VICINITY MAP
SCALE: 1" = 1000'



VICINITY MAP
SCALE: 1" = 1000'

INDEX OF DRAWINGS

TITLE	SHEET NO.
COVER SHEET, VICINITY MAP AND INDEX OF DRAWINGS	1 OF 5
LEGEND AND GENERAL NOTES SHEET	2 OF 5
WELL SITES	3 OF 5
WELL DETAILS	4 OF 5
TEST PUMP CURVES AND LITHOLOGY LOGS	5 OF 5

26 24720186

Arthur J. Hunt
Date April 23, 1986

RECORD DRAWING
APR 3 1986
These drawings have been revised based on field data. It is the responsibility of the user to verify the accuracy of the data used in the construction of these drawings.

RECORD DRAWING INFORMATION
CONTRACTOR: Western Well & Pump, Inc.
INSPECTOR: Glenn Hammock
ACCEPTANCE DATE FOR BENEFICIAL OCCUPANCY: Feb. 28, 1986
WORK STAKED BY: Leedshill - Herkenhoff, Inc.
FIELD VERIFICATION BY: Leedshill - Herkenhoff, Inc.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT	DATE	USER DEPT	DATE
APPROVAL OF REVISIONS							
LEEDSHILL-HERKENHOFF, INC. Copper Square, 500 Copper Ave. N.W. P.O. Box 1217 Albuquerque, New Mexico 87103 (505) 247-0294				APPROVED FOR CONSTRUCTION			
PROJECT NO. 2472				SHEET 1 OF 5			

LEGEND

PROPOSED	EXISTING	DESCRIPTION
●	○	SANITARY SEWER MANHOLE
⊙	⊙	STORM DRAIN MANHOLE
NA	TELE MH	TELEPHONE MANHOLE
SAS 8" CP	SAS 8" CP	SANITARY SEWER LINE W/SIZE & TYPE
SD 48" RCP	SD 48" RCP	STORM DRAIN LINE W/SIZE & TYPE
W 6" CI	W 6" CI	WATER LINE W/SIZE & TYPE
NA	E	OVERHEAD ELECTRICAL LINES
UE	UE	UNDERGROUND ELECTRICAL /TRAFFIC CONTROL
NA	UT	UNDERGROUND TELEPHONE
NA	2" HP	GAS LINES W/SIZE & TYPE
NA	CT	CABLE TELEVISION LINES
		ENCASEMENT
		STORM DRAIN INLETS (GRADE ELEVATION GIVEN IN PLANS IS EXTENDED FLOW LINE)
		GATE VALVE
		BUTTERFLY VALVE
		FIRE HYDRANTS
		REDUCERS
		SAS SERVICE CONNECTION
		WATER SERVICE CONNECTION
		TEES
		CROSSES
		BENDS
		CAPS & PLUGS
NA	WM	WATER METER
VB	VB	VALVE BOX
NA	PP	POWER POLE
NA	LP	LIGHT POLE
TL	TL	TRAFFIC LIGHT
TC	TC	TRAFFIC CONTROL BOX
PB	PB	PULL BOX
NA	TB	TELEPHONE BOOTH
		CURB & GUTTER
4" SW	4" SW	SIDEWALK
		BLOCK WALL
		CHAIN LINK FENCE
XXXXXX	XXXXXX	FIELD FENCE
	NA	SPOT ELEVATIONS
NA		PROJECT / PHASE BOUNDARY
NA		RIGHT OF WAY LINES
NA		PROPERTY LINES (SIDE)
NA		PUBLIC EASEMENTS
	NA	CONSTRUCTION THIS PROJECT SPECIFIED ON DIFFERENT SHEET
LB	NA	LIGHT POLE BASE

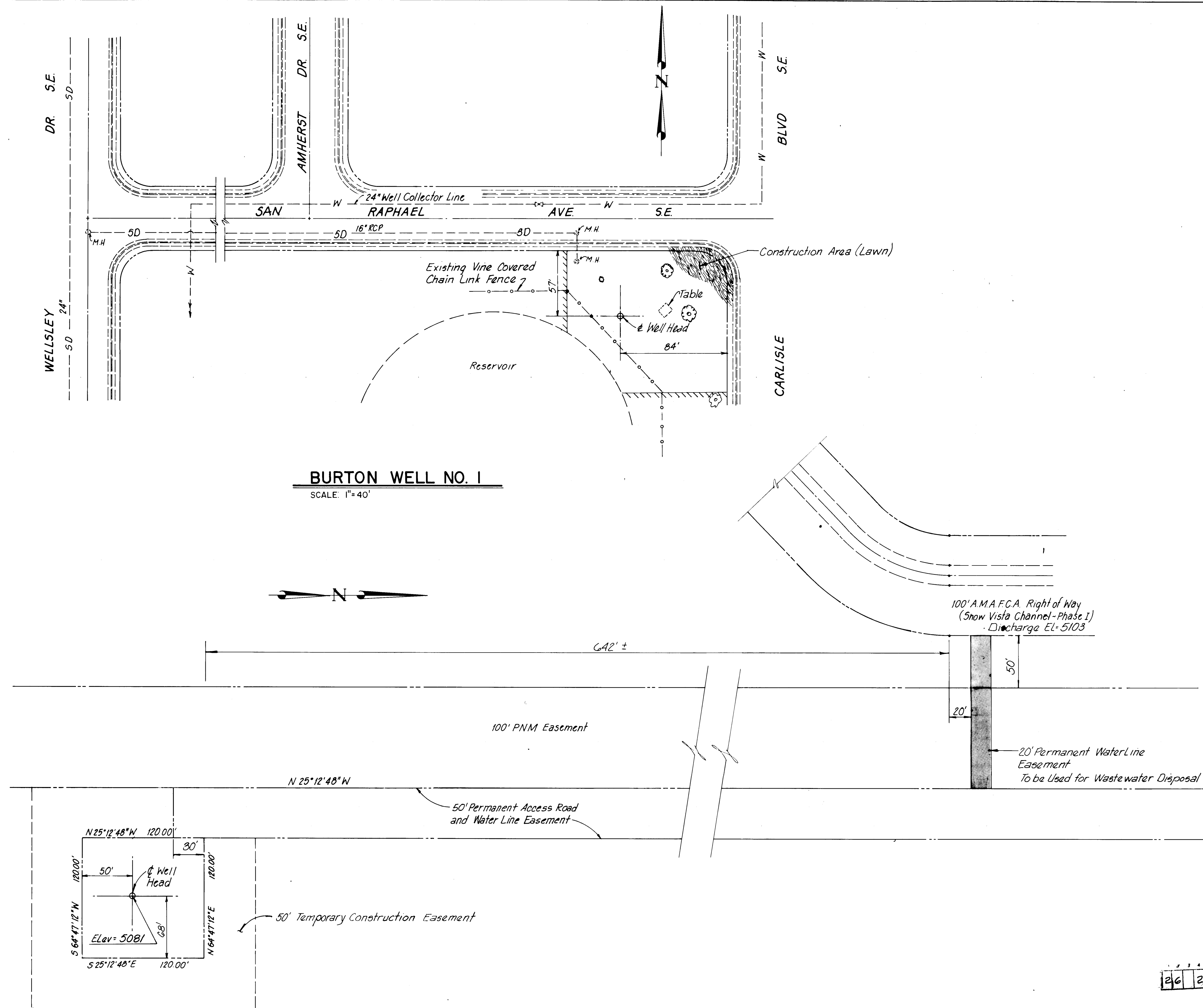
PROPOSED	EXISTING	DESCRIPTION
	EXISTING	RESIDENTIAL PAVING
		ARTERIAL PAVING
	EXISTING	CONCRETE PAVING
		TEMPORARY PAVING
		WHEELCHAIR RAMPS

26 24 7 2 0 2 8 6

RECORD DRAWING
APR 3 1986
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed

PUBLIC WORKS DEPARTMENT
APPROVAL OF AS BUILT DRAWINGS
Arthur J. Hunt
Date April 23, 1986

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		APPROVALS	
NO	DATE	NO	DATE	NO	DATE			NO	DATE	NO	DATE	NO	DATE
CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT WATER SYSTEMS DIVISION													
TITLE BURTON NO. 1 AND LEAVITT NO. 3 WELL DRILLING-1985													
LEGEND AND GENERAL NOTES SHEET													
APPROVALS		ENGINEER		DATE		APPROVALS		ENGINEER		DATE			
City Engineer						Liquid Waste							
A C E - Design						Traffic							
A C E - Hydrology						Water							
DRAWING NO.		2472		MAP NO.		SHEET 2 OF 5							



BURTON WELL NO. 1

SCALE: 1" = 40'

LEAVITT WELL NO. 3

SCALE: 1" = 50'

1 2 3 4 5 6 7 8 9 10 11 12
26 24720386

RECORD DRAWING
APR 3 1986

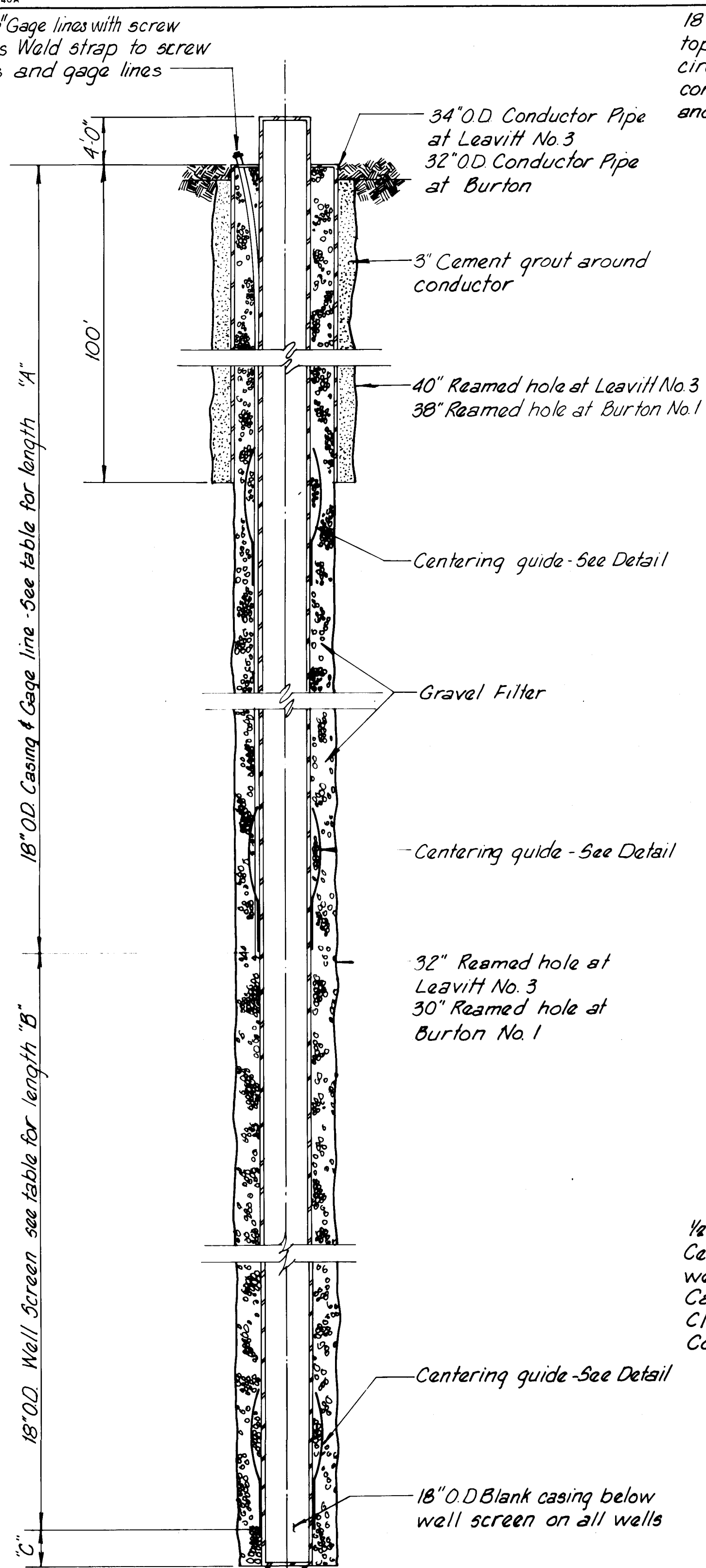
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

INVESTIGATION OF
APPROPRIATE SUBMIT DRAWINGS
By *Arthur J. Hurd*
Date *April 23, 1986*

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT WATER SYSTEMS DIVISION					
TITLE: BURTON NO. 1 AND LEAVITT NO. 3 WELL DRILLING-1985 WELL SITES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		
DRAWING NO. 2472			MAP NO. L-16N & N-9N		
SHEET 3			OF 5		

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	CONTRACTOR	WORKED BY	DATE
			Bench Mark 4.149 - Located in sewer pipe in NW Cor. of 86th St. & Sage Intersection - A 60 penny nail on the N. Side of power pole. Elev. = 5093.09 (Leavitt Well No. 3)		
			Bench Mark 7-L-16 - Located at the intersection of Wellsley Dr. & Hyder Ave. in the N.E. quadrant of intersection - A square 1/2" chiseled on top on concrete curb on ENE curb return. Elev. = 5302.061		
				REVISIONS	
				DESIGN	
				DATE	
				DATE	
				DATE	
				DATE	

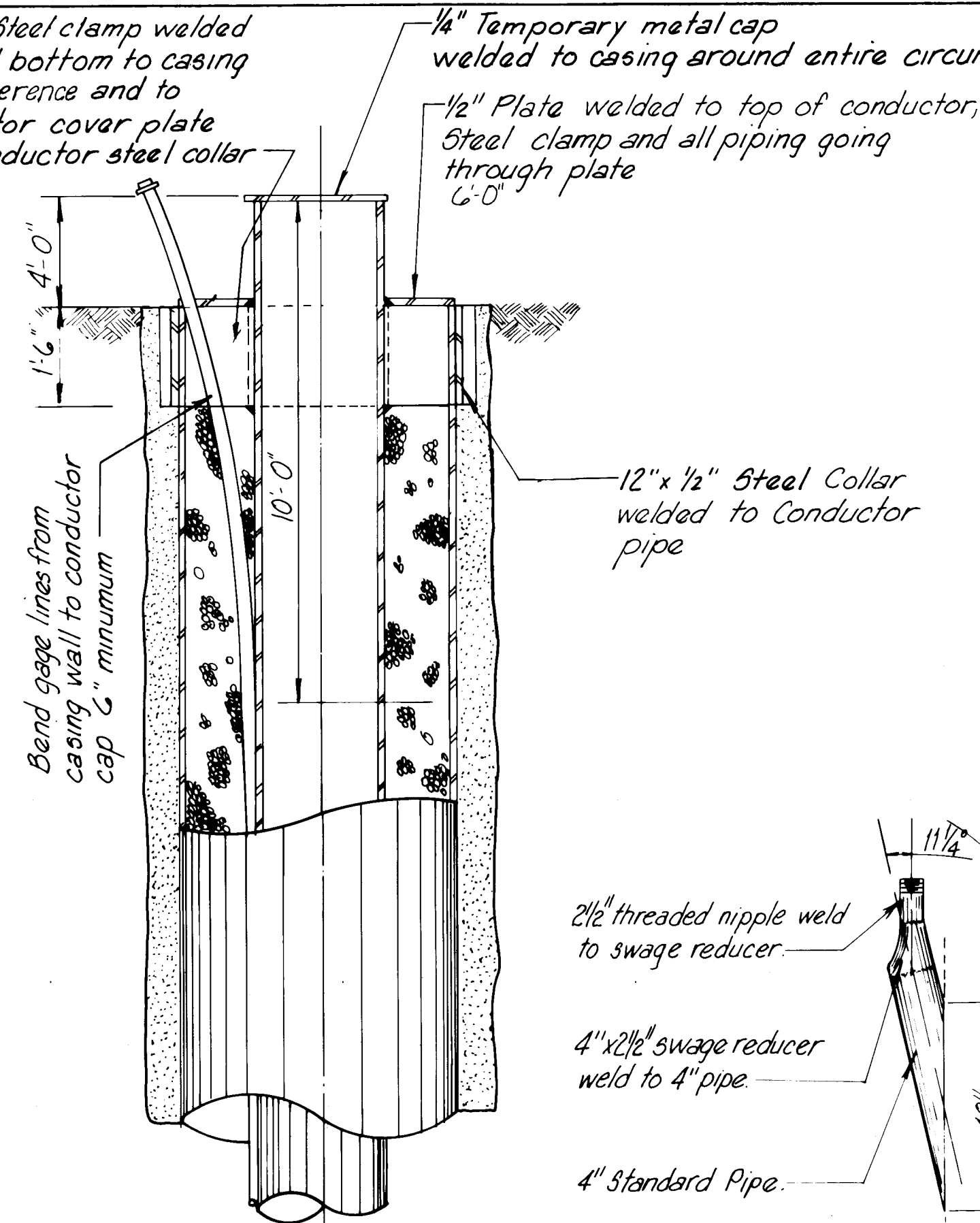
2-2 1/2" Gage lines with screw caps
Weld strap to screw caps and gage lines



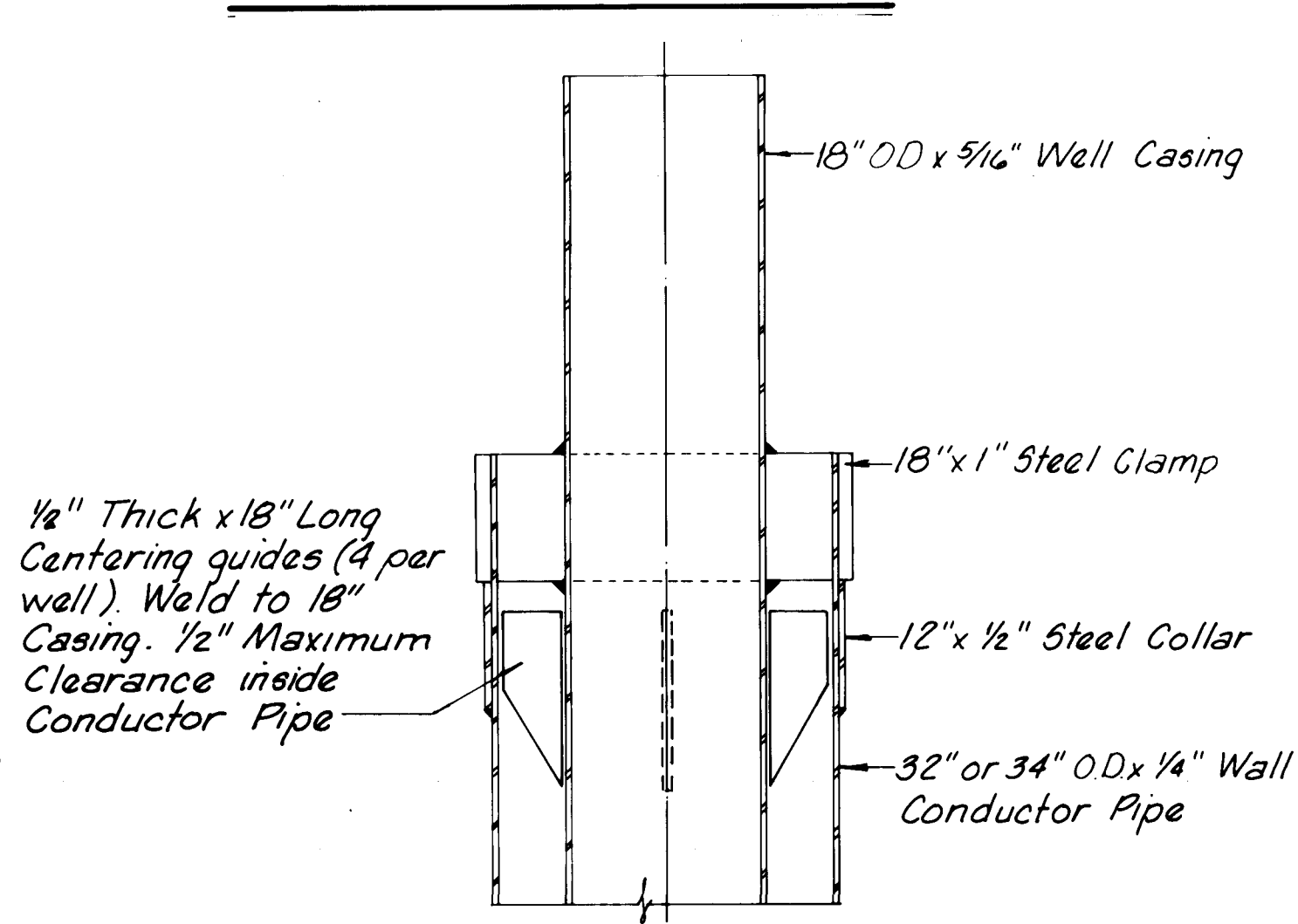
WELL DETAIL

DIMENSION TABLE			
WELL	DIM. "A"	DIM. "B"	DIM. "C"
BURTON NO. 1	676	616	20'
LEAVITT NO. 3	514	986	20'

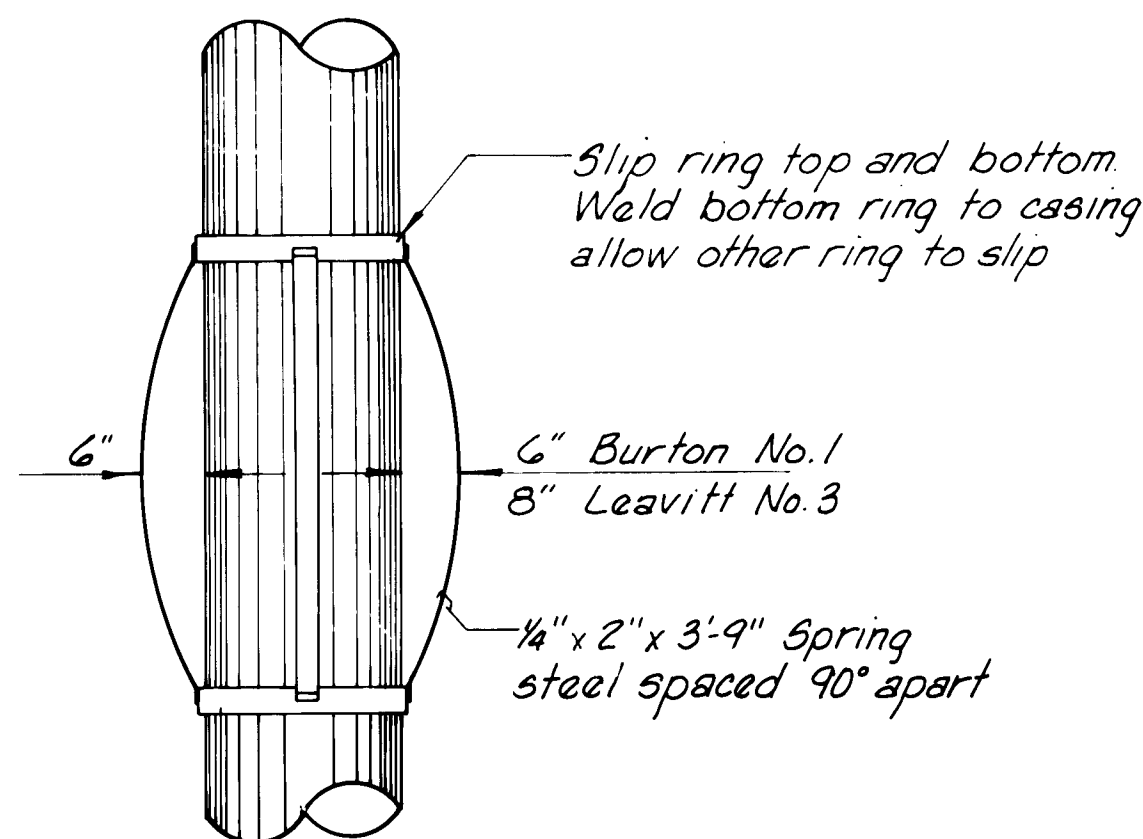
18"x1" Steel clamp welded top and bottom to casing circumference and to conductor cover plate and conductor steel collar



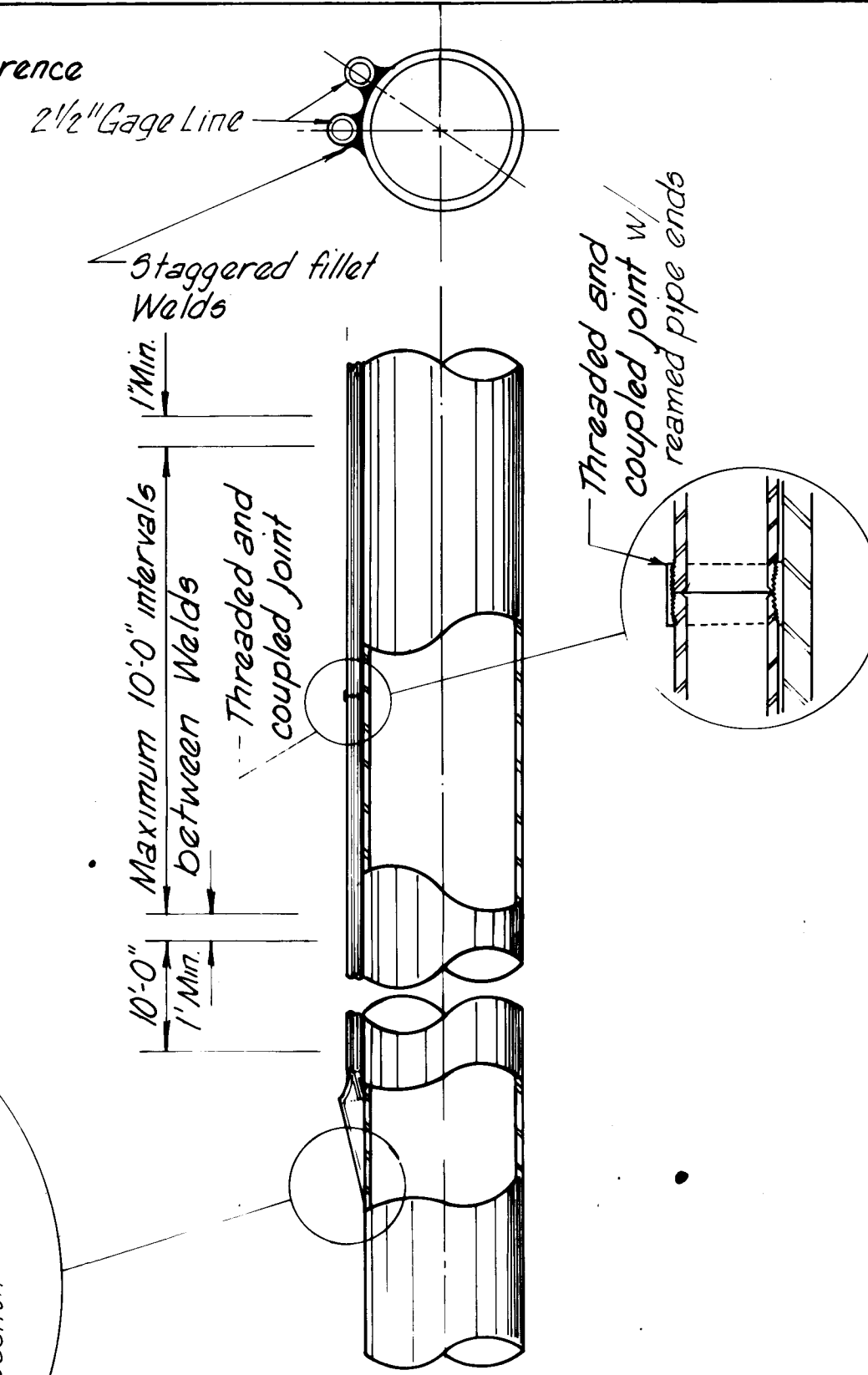
WELL HEAD DETAIL



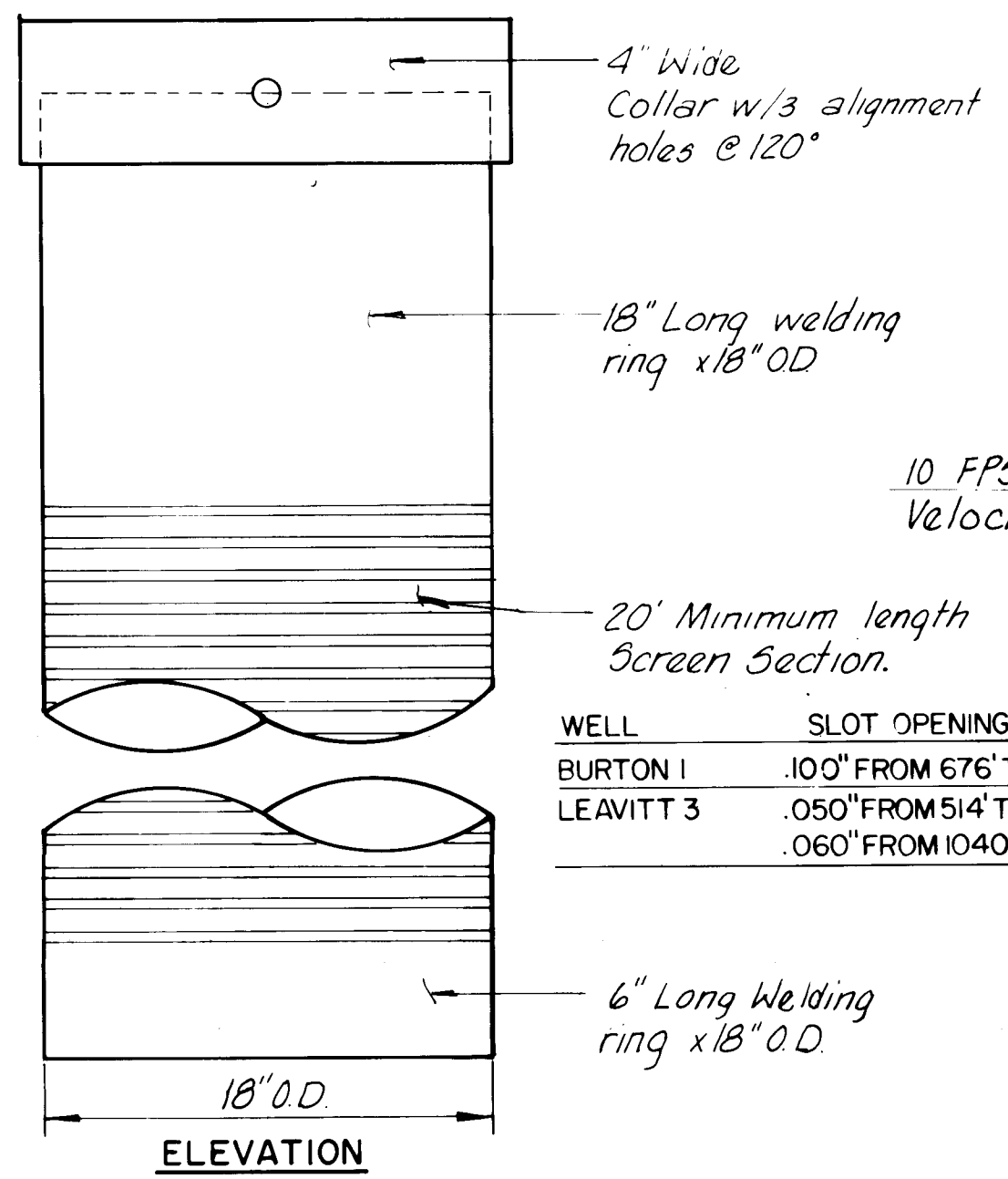
SURFACE CENTERING GUIDE DETAIL



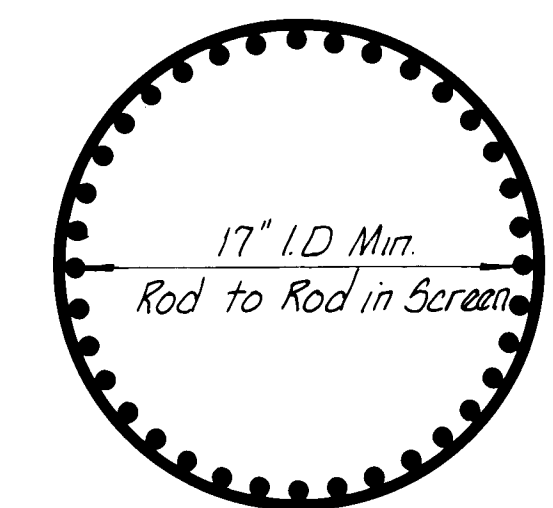
CENTERING GUIDE DETAIL



GAGE LINE DETAIL



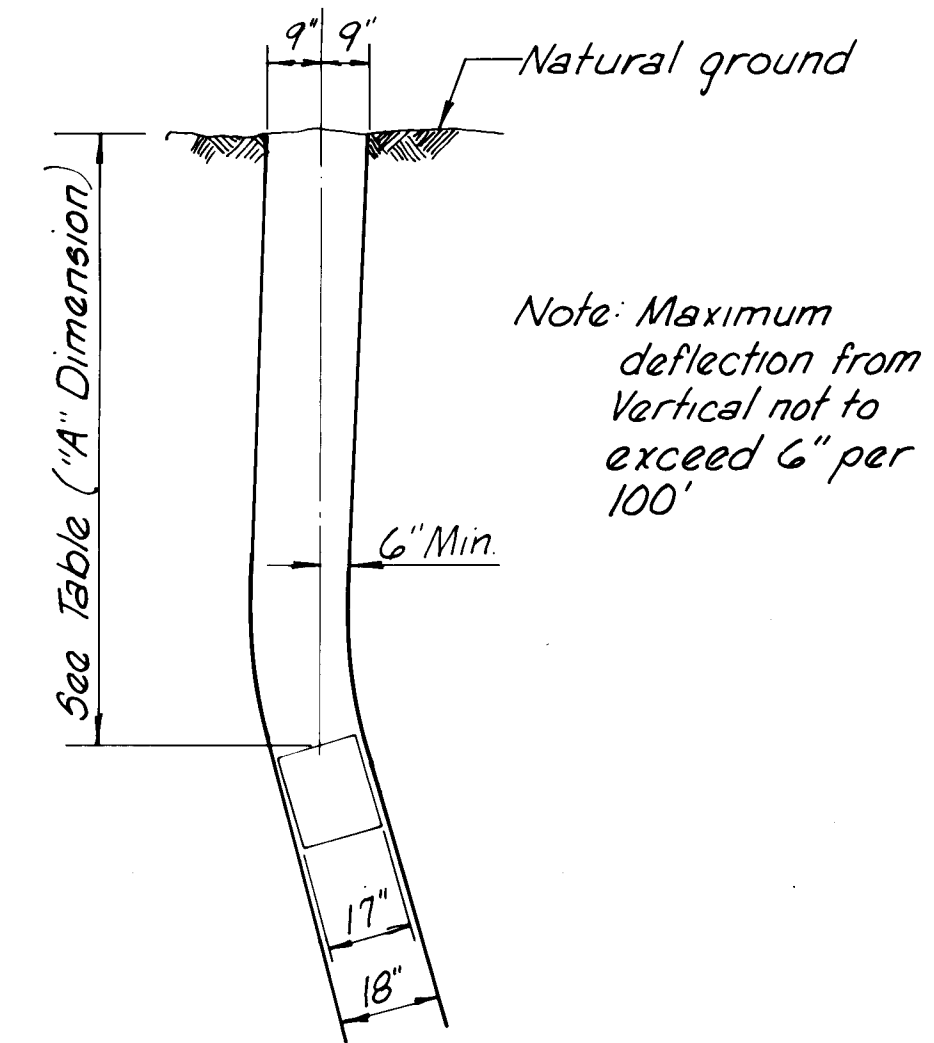
JETTING TOOL DETAIL



PLAN - SECTION

SCREEN DETAIL

GAGE AND GRAVEL FEED LINE PLACEMENT (DIRECTION FROM WELL)		
WELL	GAGE	GRAVEL
BURTON NO. 1	EAST	NONE
LEAVITT NO. 3	EAST	NONE



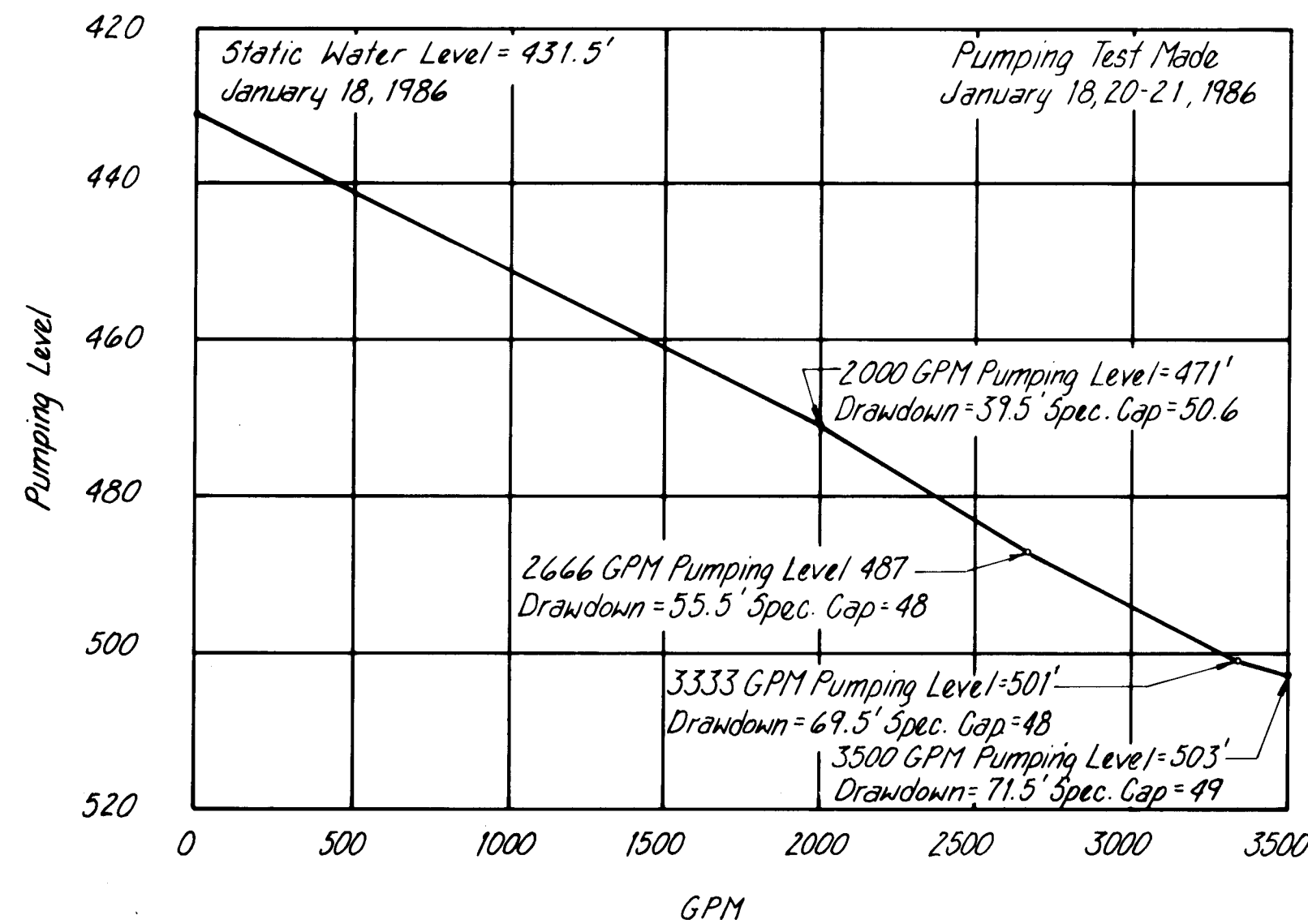
DEFLECTION DETAIL

APPROVED FOR AS BUILT DRAWINGS
Date April 23, 1986

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY	NO.	BY
INSPECTED BY	DATE	INSPECTED BY	DATE				
ACCEPTANCE BY	DATE	ACCEPTANCE BY	DATE				
REVISIONS	DATE	REVISIONS	DATE				
DESIGNED BY	DATE	DESIGNED BY	DATE				
DRAWN BY	DATE	DRAWN BY	DATE				
CHECKED BY	DATE	CHECKED BY	DATE				

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT WATER SYSTEMS DIVISION					
TITLE: BURTON NO. 1 AND LEAVITT NO. 3 WELL DRILLING-1985 WELL DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO.	2472	MAP NO.		SHEET	4 OF 5

RECORD DRAWING
APR 3 1986
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.



Burton Well No. 1

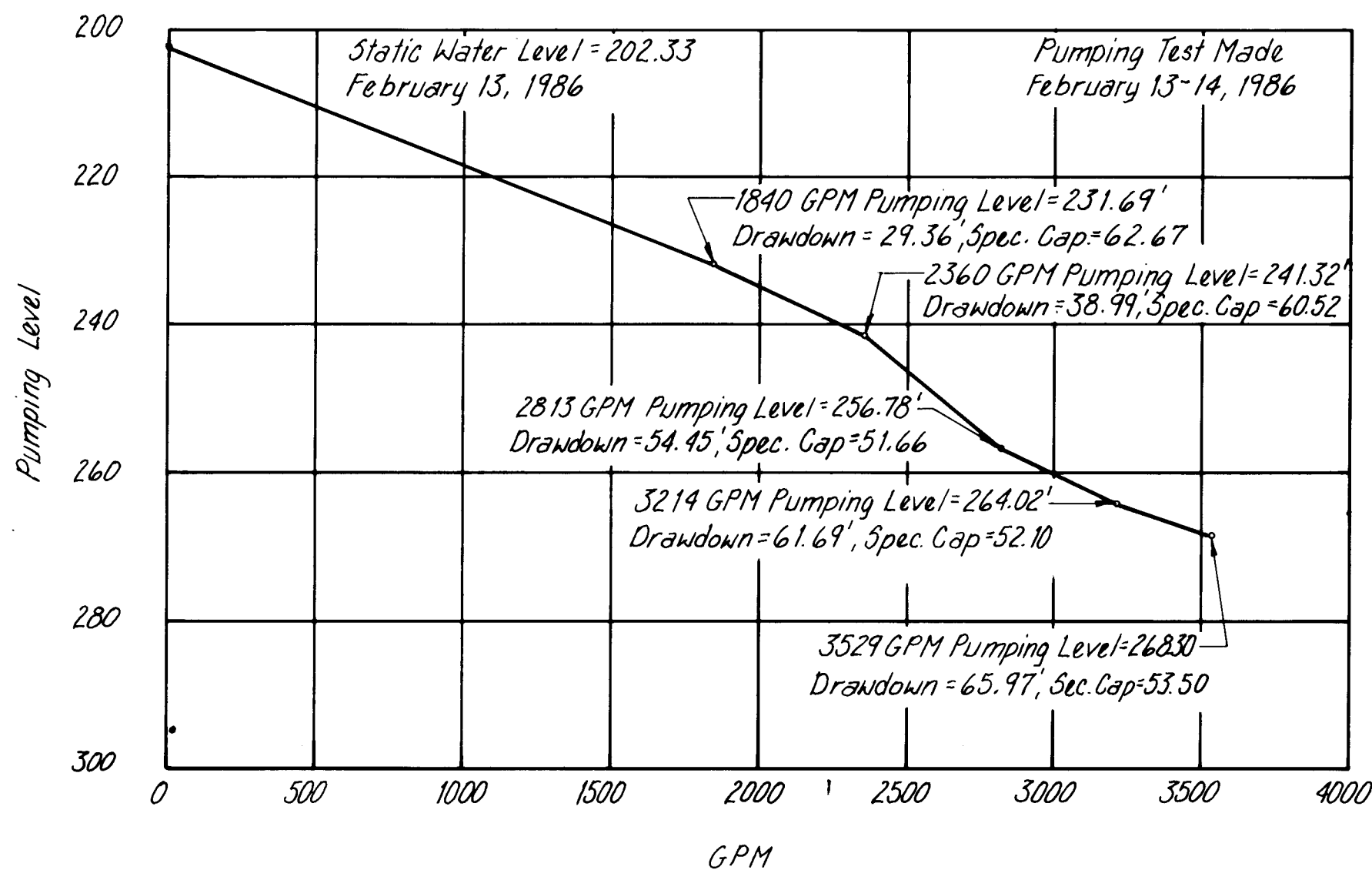
Lithology Log
Burton No. 1

Depth

0 - 10
10 - 20
20 - 70
70 - 90
90 - 110
110 - 120
120 - 130
130 - 140
140 - 150
150 - 160
160 - 200
200 - 210
210 - 240
240 - 250
250 - 270
270 - 280
280 - 300
300 - 320
320 - 350
350 - 400
400 - 420
420 - 480
480 - 490
490 - 500
500 - 580
580 - 590
590 - 610
610 - 660
660 - 700
700 - 720
720 - 730
730 - 740
740 - 750
750 - 770
770 - 780
780 - 790
790 - 810
810 - 820
820 - 830
830 - 840
840 - 850
850 - 890
890 - 900
900 - 940
940 - 960
960 - 1010

Description

Top soil, sandy loam, some caliche
Caliche, poorly sorted sand
Sand, medium to coarse, some pebbles
Sand, fine to coarse, some pebbles
Sand, fine to medium, well sorted
Gravel, well sorted
Sand, medium, well sorted
Sand, medium to coarse, fair sorting
Sand, coarse, fair sorting
Gravel, very coarse
Sand, medium to very coarse
Gravel, medium to coarse, poorly sorted
Sand, medium, well sorted
Gravel, medium
Sand, medium, well sorted
Gravel, coarse
Sand, medium to coarse, fairly well sorted
Sand, fine to medium, well sorted
Sand, medium to coarse and fine gravel
Gravel, coarse, medium rounded
Sand, medium to coarse, clean
Gravel, coarse, with clay stringers
Gravel, coarse, clean
Sand, coarse to medium, clean
Gravel, coarse, sand & clay
Sand, clay, some medium gravel
Gravel, coarse sand, some clay
Clay, some sand and gravel
Gravel, sand & clay
Sand, medium
Gravel, some clay
Sand, very coarse, some clay
Sand, medium
Sand & gravel, some clay
Sand, some clay
Sand & gravel, some clay
Sand, medium
Clay, some sand
Sand, medium, some silt, clay & small gravel
Sand, coarse to gravel, small
Sand, coarse to gravel, coarse, trace of clay
Clay, some sand, silt & small gravel
Clay
Clay, some sand & gravel
Clay
Clay, small gravel, fine sand
Medium gravel, coarse sand, trace of clay
Clay, some sand & small gravel
Small gravel, sand, some clay
Clay, some small gravel & sand
Medium sand, small gravel & clay
Coarse sand to small gravel, clean
Medium sand, clay & small gravel
Clay, sand & medium gravel
Medium to coarse sand w/some clay
Coarse sand to small gravel, clean
Coarse sand, medium gravel & clay
Small gravel, coarse sand & trace of clay
Medium to coarse sand, small gravel & clay
Sand, medium to coarse, clean. Some clay 1260' to 1270'
Clay, some sand
Sand, medium & clay
Clay, few sand & gravel stringers
Sand, gravel & clay



Leavitt Well No. 3

Lithology Log
Leavitt No. 3

Depth

0 - 20
20 - 30
30 - 60
60 - 70
70 - 90
90 - 100
100 - 230
230 - 240
240 - 270
270 - 320
320 - 340
340 - 390
390 - 420
420 - 840
840 - 900
900 - 940
940 - 990
990 - 1000
1000 - 1040
1040 - 1070
1070 - 1200
1200 - 1210
1210 - 1240
1240 - 1250
1250 - 1350
1350 - 1360
1360 - 1527

Description

Sand, silty, fine, tan
Gravel, medium, clean, gray
Sand & gravel, fine to medium, tan
Sand, fine, tan
Sample missing
Sand, coarse & gravel to 1", gray
Sand, fine to medium, some clay
Clay, brown
Clay, sandy, fine to medium sand, tan
Sand, fine to medium, tan, some clay
Sand, fine to medium, tan
Sand, fine, clayey, tan
Sand, fine to medium, some clay, tan
Clay, slightly sandy, light brown
Sand, clayey, fine, light brown
Clay, silty, light brown
Sand, fine silty, tan
Sand, medium, tan
Sand, medium to coarse, clean, tan
Sand, fine to medium, tan
Sand, medium to coarse, clean, tan
Sand, coarse & fine gravel, gray
Sand, coarse, gray
Sand, fine to coarse, gray
Sand, medium to coarse & some small gravel, gray
Sand, fine to medium, gray
Sand, medium to coarse, some small gravel, gray

GRAVEL PACK GRADATION - % PASSING

U.S. SIEVE NO.	3	4	5	6	7	8	10	12	14	16	18	QUANTITY PLACED
BURTON NO. 1	950	60	28	13	8	5	4	3	1	-	-	155 CY
LEAVITT NO. 3	-	-	99	88	71	51	36	23	8	5	4	320 CY

RECORD DRAWING

ADR 3 1986

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed

PUBLIC WORKS DEPARTMENT
CITY OF ALBUQUERQUE
Arthur J. Stuart
April 23, 1986

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
WATER SYSTEMS DIVISION

TITLE: BURTON NO. 1 AND LEAVITT NO. 3 WELL DRILLING - 1985

TEST PUMPING CURVES AND LITHOLOGY LOGS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

DRAWING NO. 2472 MAP NO. SHEET 5 OF 5