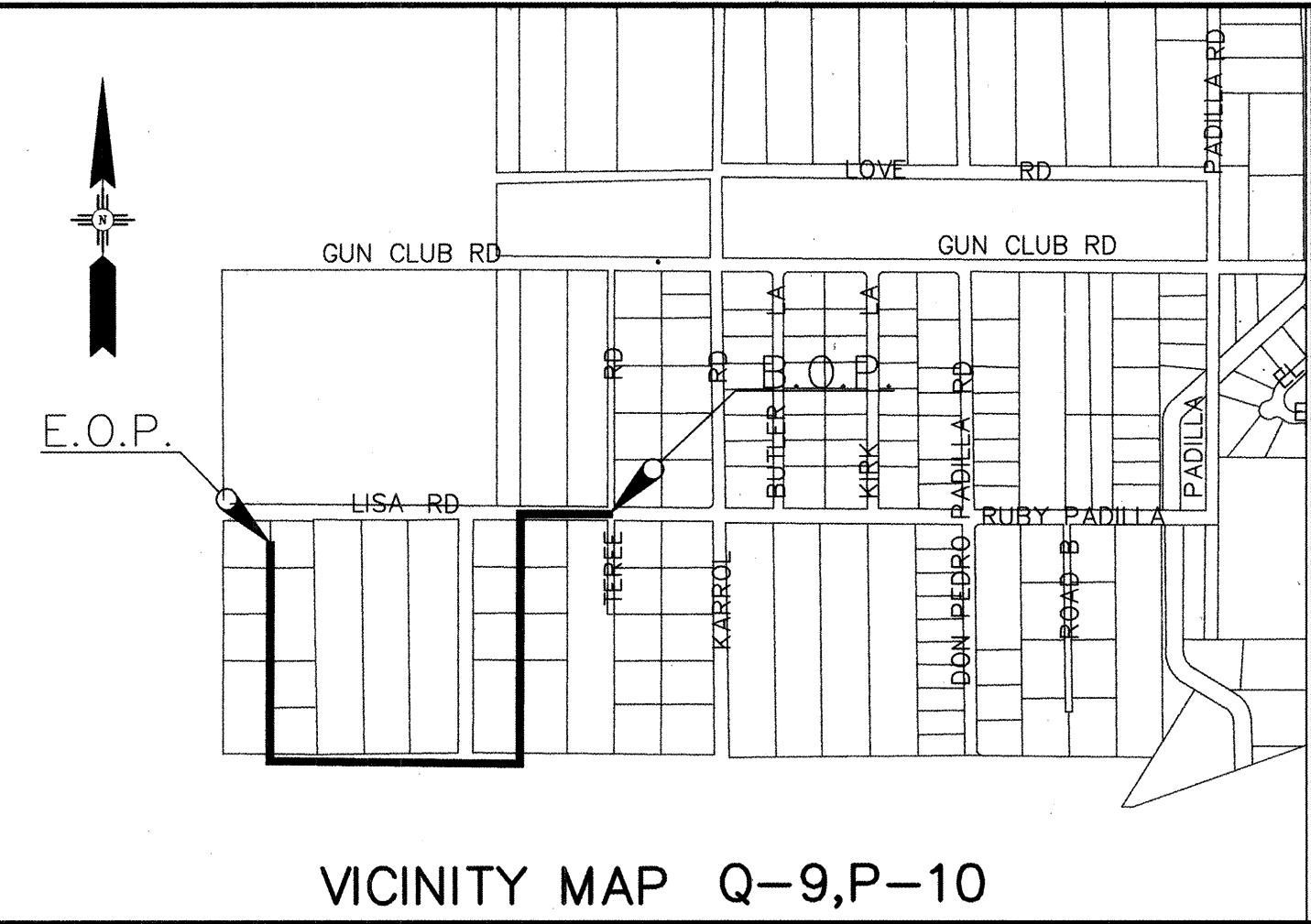


CONSTRUCTION PLANS FOR
SOUTHWEST VALLEY SEWER EXTENSIONS
DESIGNATED U-3 WEST AREA
COLLECTION SYSTEM

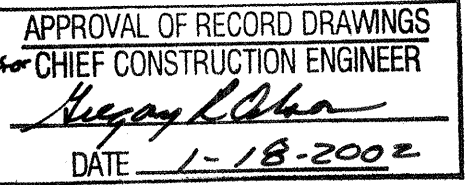
CITY OF ALBUQUERQUE PROJECT NUMBER 5103.12

MAY 2001

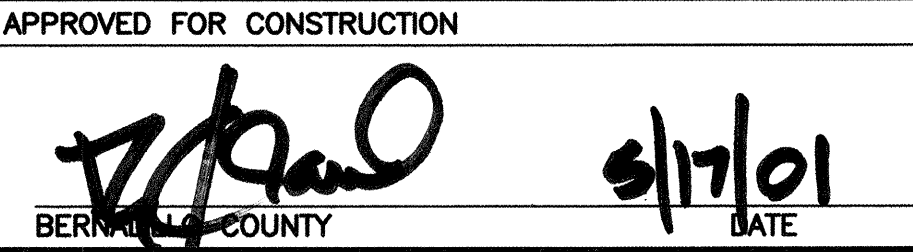


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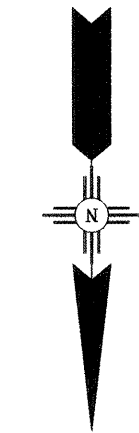
SHEET NO.	SHEET TITLE
1.	TITLE SHEET, VICINITY MAP
2.	GENERAL NOTES
3.	PLAN AND PROFILE - LISA ROAD STA. 10+00 TO 20+00
4.	PLAN AND PROFILE - LISA ROAD STA. 20+00 TO 30+00
5.	PLAN AND PROFILE - LISA ROAD STA. 30+00 TO 40+00
6.	PLAN AND PROFILE - LISA ROAD STA. 40+00 TO E.O.P.
7.	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS.
8.	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)



REV.	SHEETS	CITY ENGINEER	DATE	USER/DEPARTMENT	DATE	USER/DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	*****	
		DRC Chairman			5-17-01	APPROVED FOR CONSTRUCTION City Engineer Date	
		Transportation	N/A county				
		Water/Wastewater	N/A county		5-17-01		
		Hydrology	N/A county				
		CIP					
		Constr. Coord.	N/A county				
		CITY PROJECT No.		5103.12		Sheet	Of
						1	8



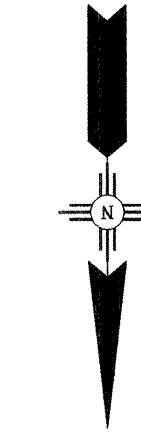
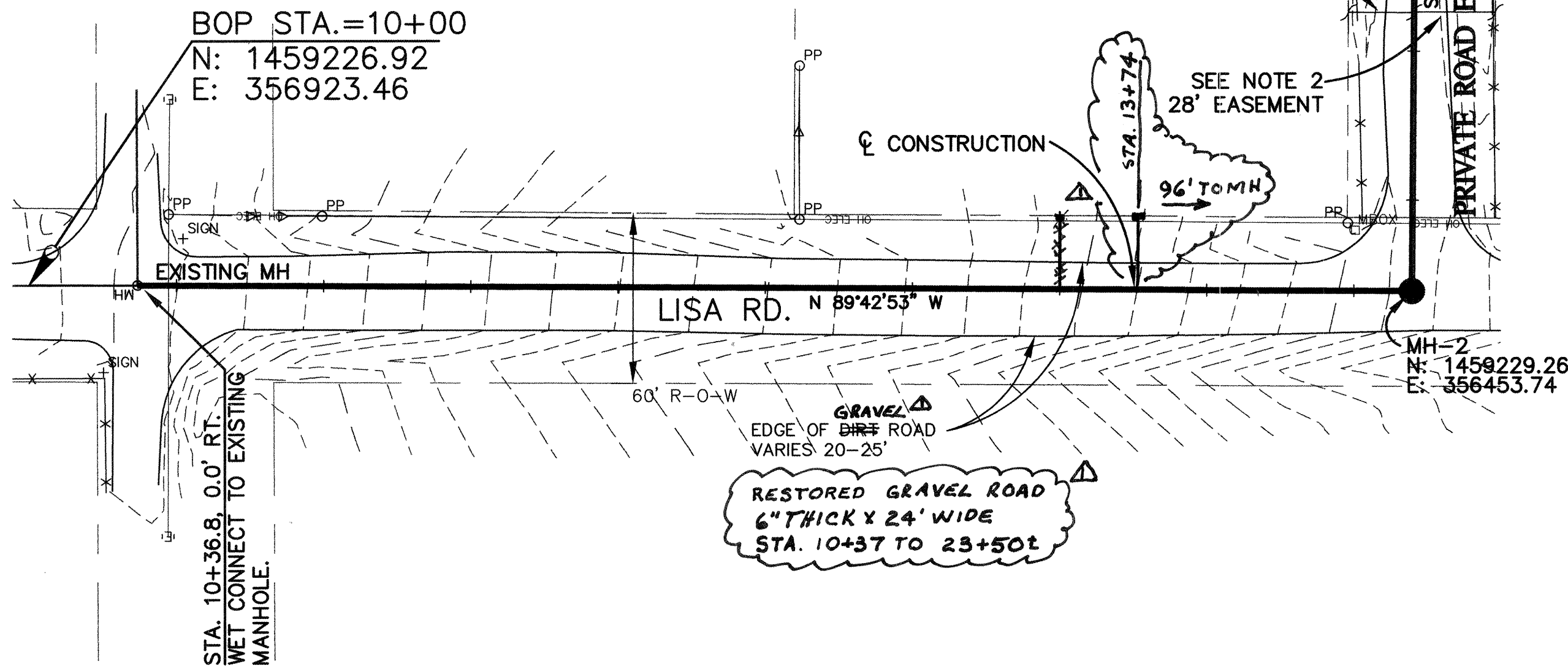
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Date: 5/16/2001 MWF
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SCALES:
1" = 40' HOR
1" = 10' VER

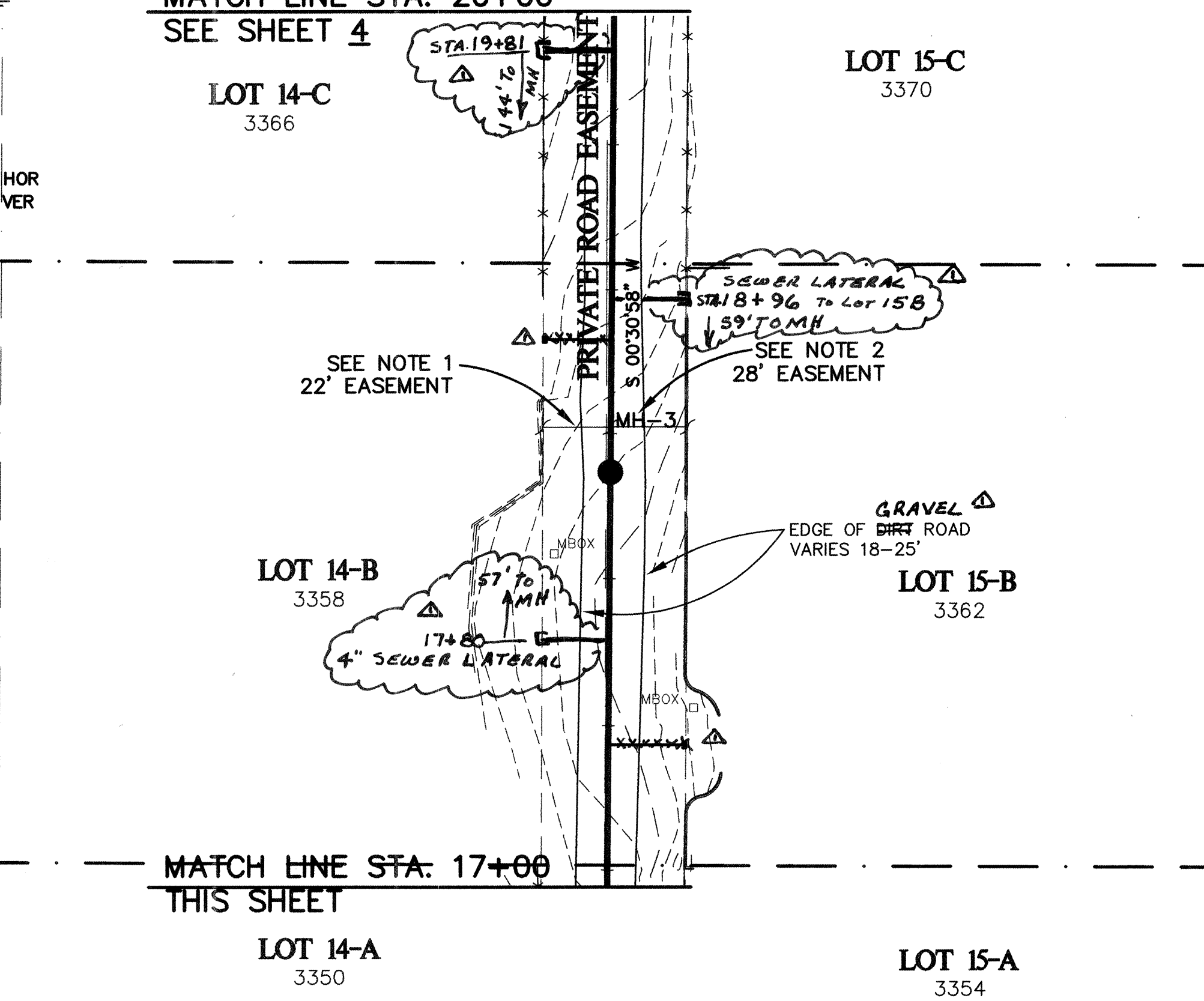
SANITARY SEWER SERVICE TABLE					
ADDRESS	STATION / OFFSET	LENGTH	SIZE	INVERT @ P	
3350	13+74 Δ 13+80, 25' LT.	25'	4"	4994.65	
3354	✓ 16+14, 27' RT.	27'	4"	4999.69	
3362	18+96 Δ 17+14, 27' RT.	27'	4"	5010.00	
3358	17+80 Δ 18+83, 25' LT.	25'	4"	5001.65*	

STATIONS LISTED ARE APPROXIMATE,
CONTRACTOR MUST FIELD LOCATE
ALL SERVICES. SEE GENERAL NOTE 16.
* BACK FLOW PREVENTION VALVE
RECOMMENDED ON PRIVATE LATERAL (NIC)



SCALES:
1" = 40' HOR
1" = 10' VER

MATCH LINE STA. 20+00
SEE SHEET 4

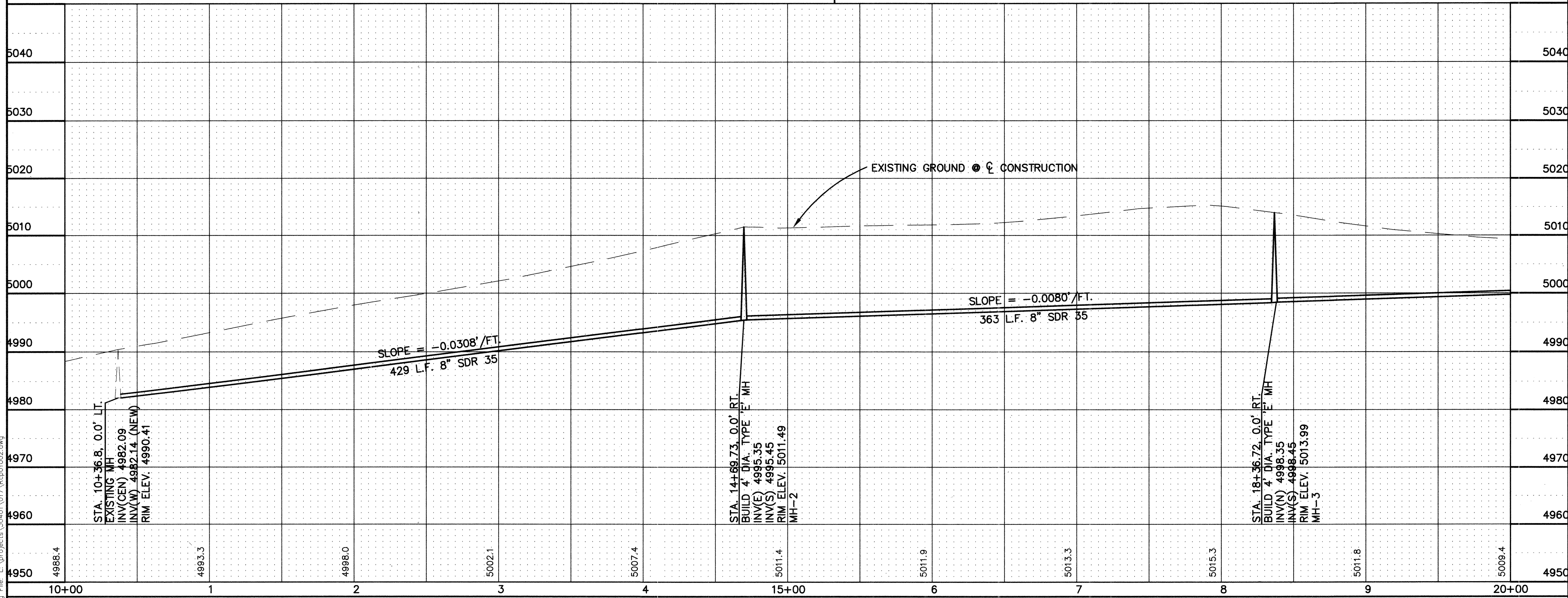


LEGEND

- + SIGN STREET SIGN
- CM-MB COMMUNITY MAILBOX
- ⊕ OVERHEAD ELECTRIC
- ▽ GUY DOWN
- PP POWER POLE
- MH EXISTING SANITARY MANHOLE
- TR TELEPHONE RISER
- WM WATER METER
- MBOX MAILBOX
- DESIGN 8" SAS
- DESIGN MANHOLE

NOTES:

- PERMANENT EASEMENT FILED 12/5/85.
BOOK C29, PAGE 6.
- PERMANENT EASEMENT FILED 2/19/86.
MISC. BOOK 3234, PAGE 132.



AS BUILT INFORMATION			
CONTRACTOR	J.R. Hale	DATE	10/01/01
WORK	SEWER	DATE	10/01/01
INSPECTOR	J.R. Hale	DATE	10/01/01
ACCEPTANCE BY	Gannett Fleming West, Inc.	DATE	10/01/01
VERIFICATION BY	G.O. Olson	DATE	10/01/01
DRAWINGS	CORRECTED BY G.O. Olson	DATE	11/01/01
MICRO-FILM INFORMATION			
RECORDED BY		NO.	

BENCH MARKS		SURVEY INFORMATION	
DATE	NO.	DATE	NO.
11/01/01		11/01/01	
RECORD DRAWING	NO.	RECORD DRAWING	NO.
NO.	DATE	NO.	DATE
11/01/01		11/01/01	
REVISIONS		REVISIONS	
DESIGN		DESIGN	
DESIGNED BY	JWV	DATE	MAY 2001
DRAWN BY	MDF	DATE	MAY 2001
CHECKED BY	AOB	DATE	MAY 2001



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
SOUTHWEST VALLEY SEWER EXTENSIONS
DESIGNATED U-3 WEST COLLECTION SYSTEM

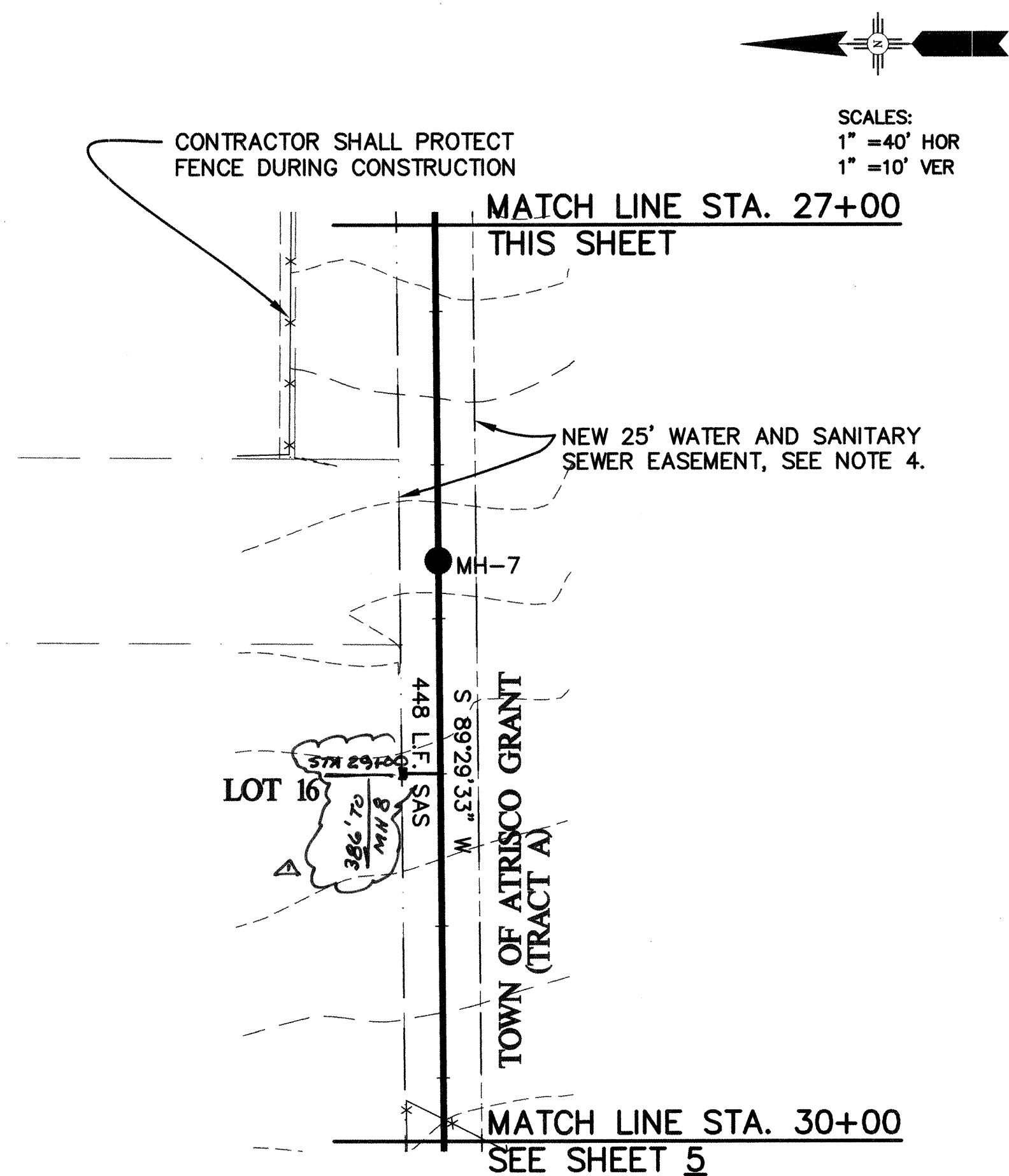
TITLE: LISA RD. STA. 10+00 TO 20+00

City Project No. 5103.12 Zone Map No. Q-9 Sheet 3 of 8

APPROVED MAY 1 2001
DESIGN REVIEW COMMITTEE

APPROVED MAY 1 2001
CITY ENGINEER

Ms./Day/Yr. Ms./Day/Yr.



STATIONS LISTED ARE APPROXIMATE,
CONTRACTOR MUST FIELD LOCATE
ALL SERVICES. SEE GENERAL NOTE 16.

LEGEND

- | | |
|---------|---------------------------|
| + SIGN | STREET SIGN |
| □ CM-MB | COMMUNITY MAILBOX |
| ⌈ E | OVERHEAD ELECTRIC |
| ▽ | GUY DOWN |
| ○ PP | POWER POLE |
| ○ MH | EXISTING SANITARY MANHOLE |
| □ TR | TELEPHONE RISER |
| □ WM | WATER METER |
| □ MBX | MAILBOX |
| — | DESIGN 8" SAS |
| ● | DESIGN MANHOLE |

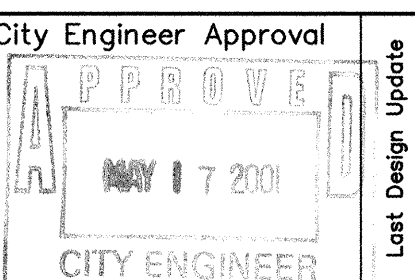
NOTES:

1. PERMANENT EASEMENT FILED 2/22/99,
BOOK 9903, PAGE 3171.
2. QUITCLAIM EASEMENT FILED 3/10/99,
BOOK 9904, PAGE 2069. AND
BOOK 9904, PAGE 9512 FILED 3/23/99
3. PERMANENT EASEMENT FILED 3/10/99,
BOOK 9904, PAGE 2070.
4. PERMANENT EASEMENT FILED 1/21/99.
BOOK 9901, PAGE 8034.
5. PERMANENT EASEMENT FILED 12/5/85.
BOOK C29, PAGE 6.
6. PERMANENT EASEMENT FILED 2/19/86.
MISC. BOOK 3234, PAGE 132.

[illegible][illegible]

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SOUTHWEST VALLEY SEWER EXTENTIONS
DESIGNATED U-3 WEST COLLECTION SYSTEM
LISA RD. STA. 20+00 TO 30+00



City Project No.	Zone Map No.	Sheet	Of
5103.12	Q-9	4	8

Time: 14:24:59
Date: 5/16/2001 MWF
Drawing File: L:\Projects\3040\07\Rep0302.dwg

NOTE:
CONTRACTOR SHALL MAINTAIN
10' HORIZONTAL SEPARATION
FROM WATER LINE OR CONC.
ENCASE SEWER LINE

STA. 32+84, 2' LT. TO
STA. 36+85, 2' LT.
REMOVE AND REPLACE
401 L.F. 3-WIRE FENCE
W/POSTS.

SCALES:
1" = 40' HOR
1" = 10' VER
LOT 19-D
3640

LOT 19-C
3632

LOT 20-D
3644

CONTRACTOR SHALL REPAIR ANY
DAMAGE TO CMU WALL AT HIS
OWN EXPENSE.

MATCH LINE STA. 38+00
THIS SHEET

MATCH LINE STA. 38+00
THIS SHEET

MATCH LINE STA. 40+00
SEE SHEET 6

LEGEND

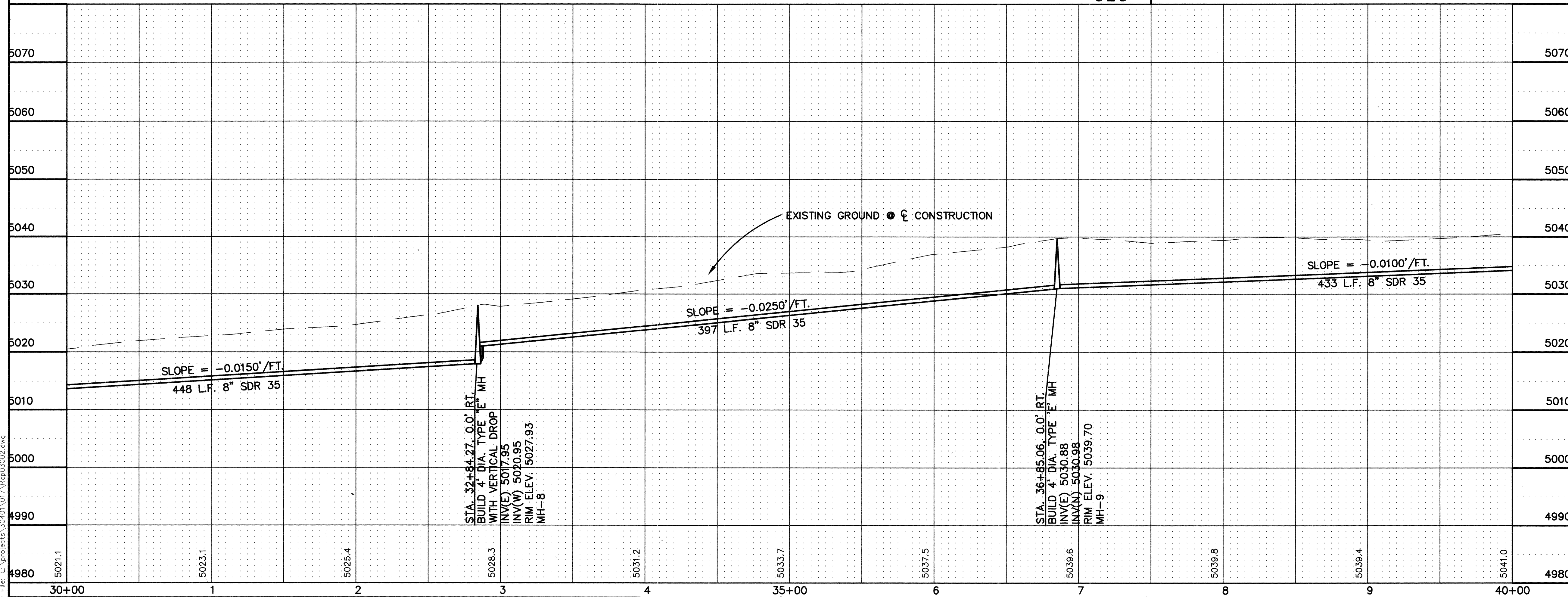
- + SIGN STREET SIGN
- CM-MB COMMUNITY MAILBOX
- ⊖ OVERHEAD ELECTRIC
- ▽ GUY DOWN
- PP POWER POLE
- MH EXISTING SANITARY MANHOLE
- TR TELEPHONE RISER
- WM WATER METER
- WAT SERV WATER FAUCET
- MBOX MAILBOX
- DESIGN 8" SAS
- DESIGN MANHOLE

NOTES:
CONTRACTOR SHALL COORDINATE LOCATION
OF WATER LINE OWNED BY TOM BENEVIDEZ
(873-2078)

CONTRACTOR SHALL PROTECT GATE
DURING CONSTRUCTION.

SANITARY SEWER SERVICE TABLE					
ADDRESS	STATION / OFFSET	LENGTH	SIZE	INVERT	REMARKS
3640	35+52 ← 35+50, 14' RT.	14'	4"	5030.15	
3644-3632	38+01 ← 37+70, 12' LT.	12'	4"	5034.65	
See Sh. 6 → 3632	40+27 ← 39+60, 13' RT.	13'	4"	5036.85	
LOT 18	34+43 RT			5' BURY	

STATIONS LISTED ARE APPROXIMATE,
CONTRACTOR MUST FIELD LOCATE
ALL SERVICES. SEE GENERAL NOTE 16.



AS BUILT INFORMATION	
CONTRACTOR	J.R. HALE
DATE	10/16/01
STATIONED BY	J.R. HALE
DATE	10/16/01
FIELD ACCEPTANCE BY	G. OLSO
DATE	10/16/01
DRAWING BY	G. OLSO
DATE	10/16/01
CHECKED BY	G. OLSO
DATE	11/16/01
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	

BENCH MARKS	
DATE	10/16/01
BY	J.R. HALE
FIELD NOTES	
NO.	
DATE	
BY	
ENGINEER'S SEAL	
DATE	
BY	



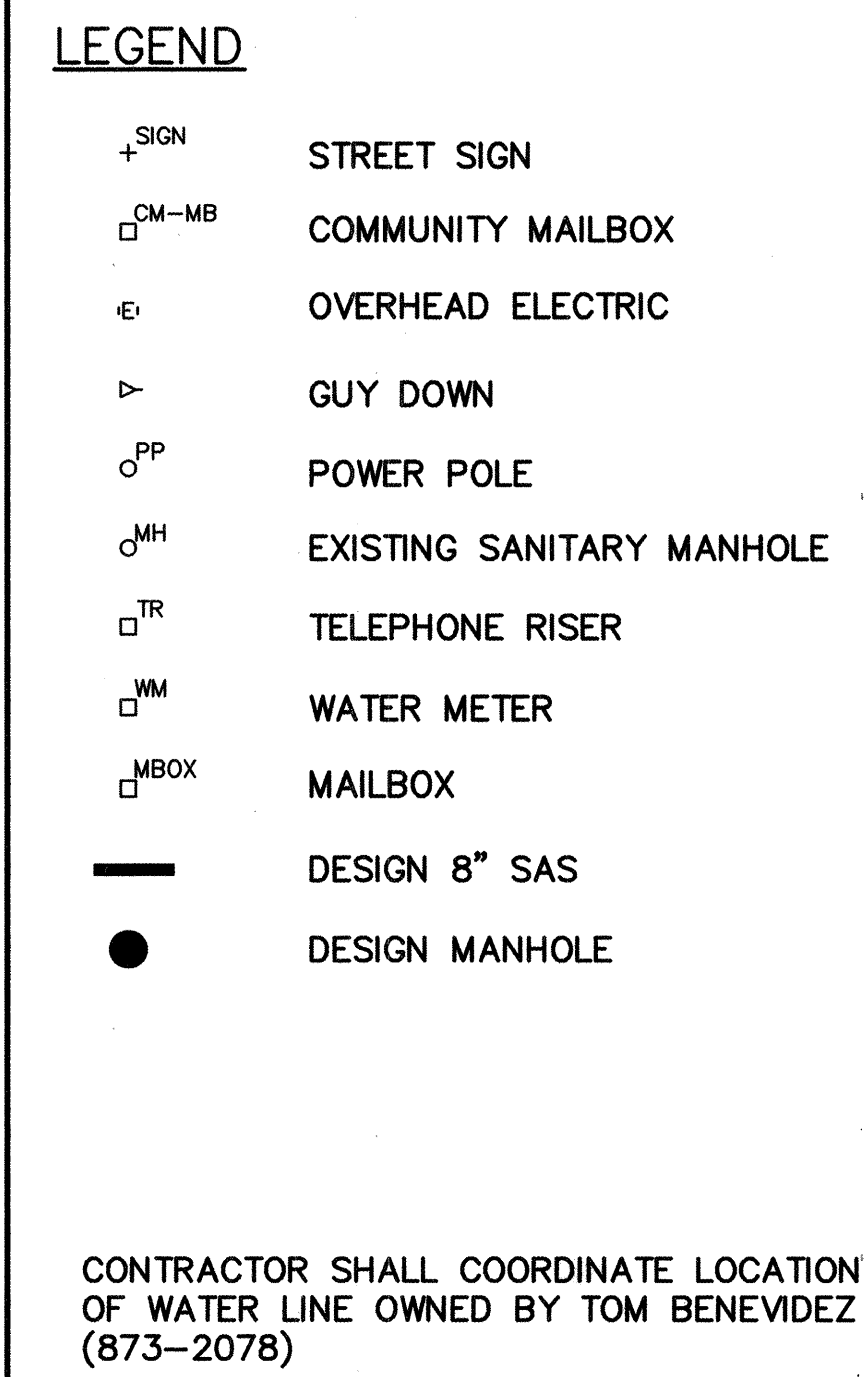
RECORD DRAWING NOTES	
NO.	DATE
1	11/01
REVISIONS	
NO.	DATE
1	11/01
DESIGN	
DESIGNED BY	JWV
DRAWN BY	MDP
CHECKED BY	AOB
DATE	MAY 2001



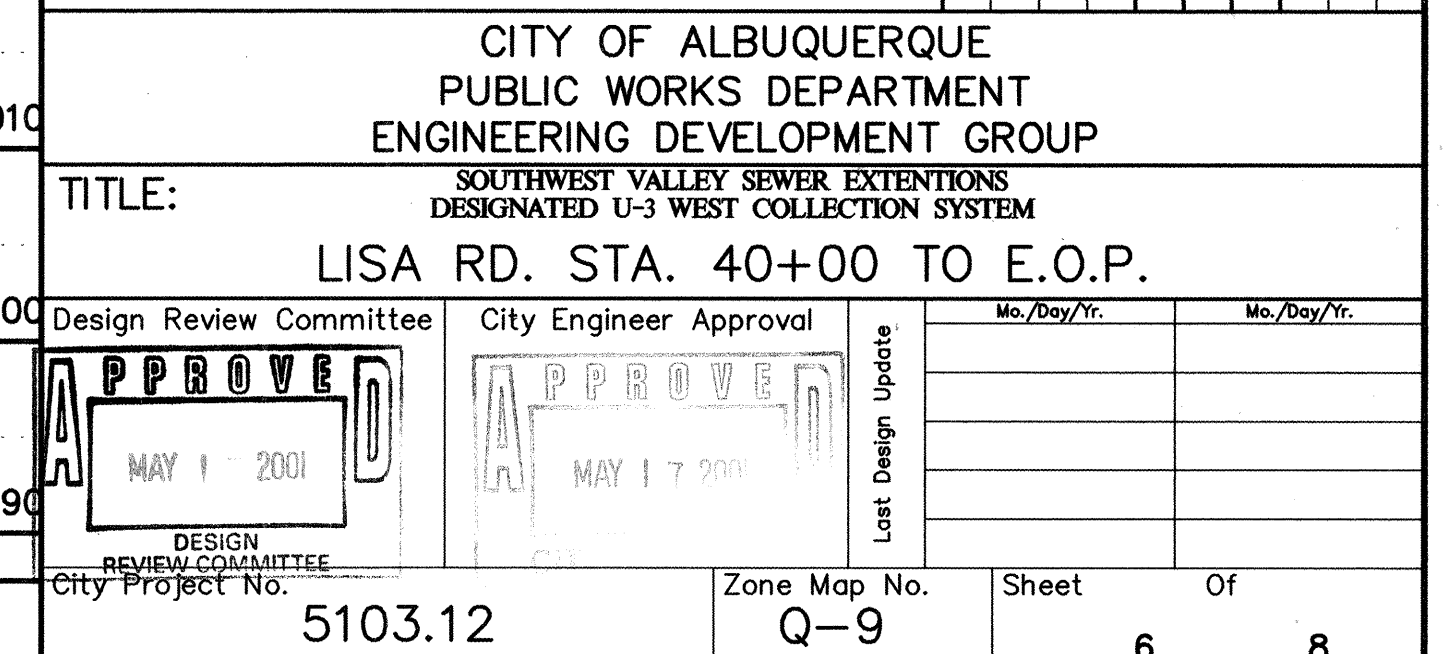
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
SOUTHWEST VALLEY SEWER EXTENSIONS
DESIGNATED U-3 WEST COLLECTION SYSTEM
LISA RD. STA. 30+00 TO 40+00

4990	Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
4980	APPROVED	APPROVED	May 17 2001	May 17 2001
City Project No.		Zone Map No.	Sheet	Of
5103.12		Q-9	5	8



20  **Gannett Fleming West, Inc.**
ENGINEERS AND PLANNERS



1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADE 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.

3. 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.

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.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP FOR EACH PHASE 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.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE IS MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

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.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

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, ORANGE LETTERING ON WHITE BACKGROUND. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

9. 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.

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 WORKS CONSTRUCTION, AS WELL AS OTHER SECTIONS.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36", UNLESS OTHERWISE SPECIFIED IN THE PLANS, WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.

28. IMPACT ATTENUATORS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEM NUMBER 0019.01-CONSTRUCTION TRAFFIC CONTROL AND BARRICADING AND NO ADDITIONAL MEASUREMENT OR PAYMENT WILL BE MADE.



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

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM SPACING IN FEET	DEVICE AFTER TAPER
	10' LANE	11' LANE	12' LANE			
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

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
15	100	100
20	150	150
25	200	200
30	250	250
35	300	300
40	350	350
45	400	400
50	450	450
55	500	500
60	550	550
65	600	600
70	650	650
75	700	700
80	750	750
85	800	800
90	850	850
95	900	900
100	950	950

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

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

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



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SOUTHWEST VALLEY SEWER EXTENTIONS
DESIGNATED U-3 WEST COLLECTION SYSTEM
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
-------------------------	------------------------	-------------	-------------

COA	STD	t Design Update		

City Project No.	Zone Map No.	Sheet	Of
5103.12	Q-9	7	8

