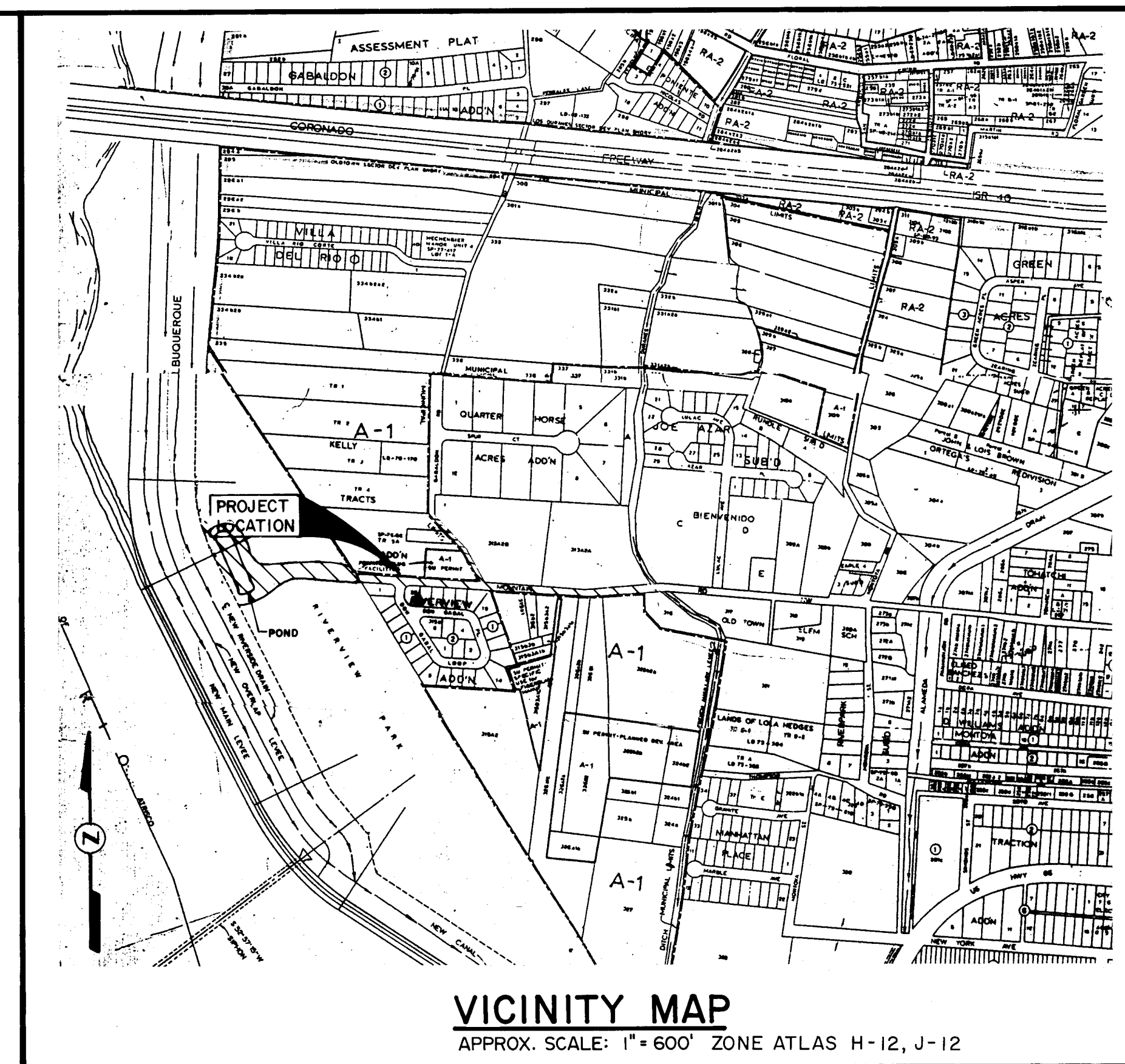




CONSTRUCTION PLANS FOR:

MOUNTAIN ROAD AND GABALDON ROAD STORM DRAINAGE IMPROVEMENTS

CITY OF ALBUQUERQUE



INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SITE MAP, LEGEND & GENERAL NOTES
3	MOUNTAIN ROAD- STA. 10+00 TO STA. 14+50
4	MOUNTAIN ROAD- STA. 14+50 TO STA. 19+00
5	MOUNTAIN ROAD- STA. 19+00 TO STA. 23+50
6	MOUNTAIN ROAD- STA. 23+50 TO STA. 25+46.41
7	GABALDON ROAD- STA. 0+00 TO STA. 3+25
8	OUTFALL TO RETENTION POND
9	SAN GABRIEL PARK RETENTION POND
10	SECTIONS & DETAILS
11	TRAFFIC CONTROL PLAN

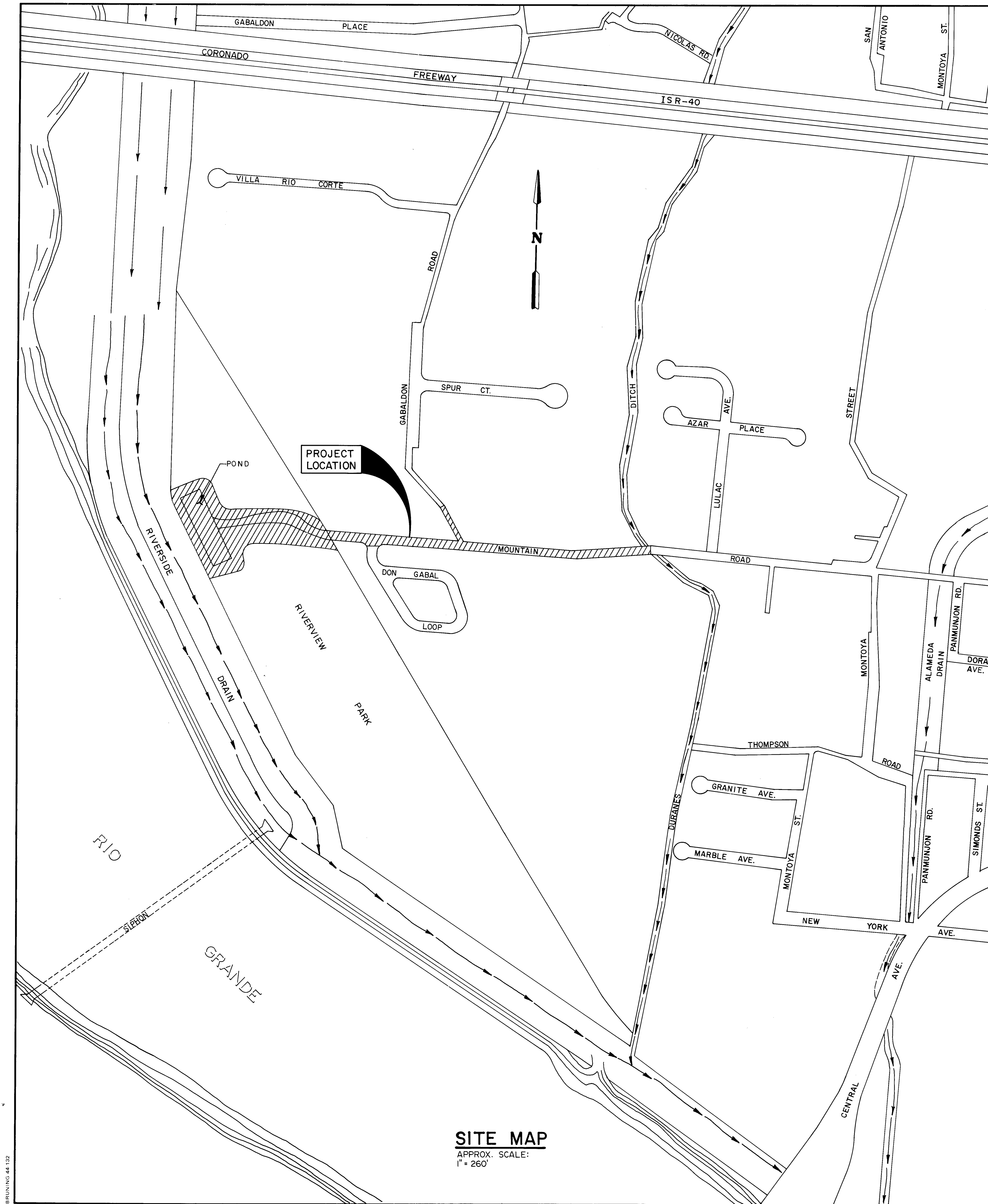
RECORD DRAWING

M. D. J.
12-11-87

Russell R. Smith
1-21-88

1 2 3 4 5 6 7 8 9 10 11 12
26 27 51 01 88

REV	3,4,5,6,7,8,9,10	SHEETS	CITY ENGR	DATE	USER	DEPT	DATE	USER	DEPT	DATE
APPROVAL OF REVISIONS										
				Greiner Engineering 2601 Wyoming Blvd. N.E. Albuquerque, New Mexico 87112 (505) 292-1936				APPROVED FOR CONSTRUCTION <i>David J. Holsinger</i> 2/3/87		
PROJECT NO. 0690555				2751				SHEET 1 OF 11		



SITE MAP
APPROX. SCALE:
1" = 260'

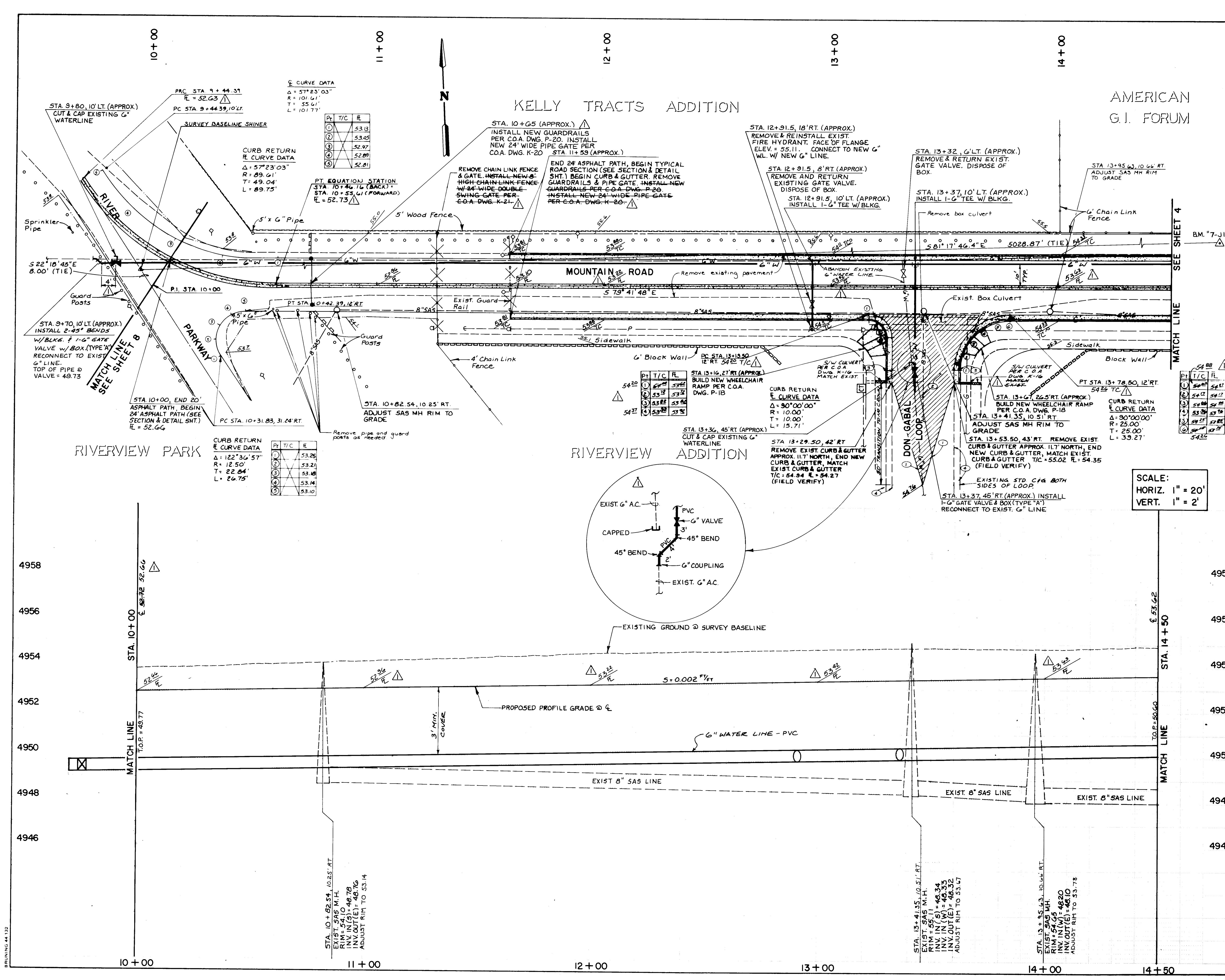
EXISTING			NEW			DESCRIPTION			EXISTING			NEW			DESCRIPTION		
---	SAS	---	---	---	---	SANITARY SEWER LINE	---	---	---	---	---	---	---	---	ASPHALT PAVING	---	---
---	---	---	---	---	---	SANITARY SEWER MANHOLE	---	---	---	---	---	---	---	---	CONCRETE ALLEY GUTTER	---	---
---	---	---	---	---	---	WATER LINE	---	---	---	---	---	---	---	---	UTILITY POLE	---	---
---	---	---	---	---	---	FIRE HYDRANT	---	---	---	---	---	---	---	---	UTILITY POLE & GUY WIRE	---	---
---	---	---	---	---	---	REDUCER	---	---	---	---	---	---	---	---	BLOCK WALL	---	---
---	---	---	---	---	---	GAS LINE	---	---	---	---	---	---	---	---	CHAIN LINK FENCE	---	---
---	---	---	---	---	---	OVERHEAD POWER LINE	---	---	---	---	---	---	---	---	WIRE OR WIRE MESH FENCE	---	---
---	---	---	---	---	---	UNDERGROUND TELEPHONE LINE	---	---	---	---	---	---	---	---	BOARD FENCE	---	---
---	---	---	---	---	---	CURB & GUTTER	---	---	---	---	---	---	---	---	POST	---	---
---	---	---	---	---	---	SIDEWALK	---	---	---	---	---	---	---	---	SIGN	---	---
---	---	---	---	---	---	TREE	---	---	---	---	---	---	---	---	WATER VALVE	---	---
---	---	---	---	---	---	LIGHT POLE	---	---	---	---	---	---	---	---	WATER METER	---	---
---	---	---	---	---	---	TELEPHONE RISER	---	---	---	---	---	---	---	---	RIGHT-OF-WAY	---	---
---	---	---	---	---	---	COTTONWOOD	---	---	---	---	---	---	---	---	WATER RISER	---	---
---	---	---	---	---	---	RUSSIAN OLIVE	---	---	---	---	---	---	---	---	ELEVATIONS	---	---
---	---	---	---	---	---	SALT CEDAR	---	---	---	---	---	---	---	---	SURVEY SHINER	---	---
---	---	---	---	---	---	LIMIT OF GRADING	---	---	---	---	---	---	---	---	BENCHMARK	---	---
---	---	---	---	---	---		---	---	---	---	---	---	---	---	CABLE TELEVISION LINE	---	---

- 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 Interim Standard Specifications Contract, 1985.
 - Two (2) working days prior to any excavation, CONTRACTOR must contact line locating service 765-1234, 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 so that the conflict can be resolved with minimum amount of delay.
 - All utilities and utility service lines shall be installed prior to paving.
 - Backfill compaction shall be according to specified use.
 - Task cost requirements shall be determined by the ENGINEER.
 - Deleted
 - If curb is depressed for a driveway or a handicap ramp, the driveway or ramp shall be constructed prior to acceptance of the curb and gutter.
 - All existing utilities shown here were taken as accurately as possible from record drawings and surface indications. It shall be the CONTRACTOR'S responsibility to protect, maintain in service, and verify exact locations of all affected utilities during construction of this project.
 - Curb return radii and street widths are to the lip of the curb unless otherwise indicated in the plans.
 - Where removal of existing curb and gutter or sidewalk is required, removal shall be to the nearest joint or saw cut.
 - When matching new paving to existing pavement, the CONTRACTOR shall saw cut into the existing paving 6" minimum on a right angle, or as directed by the ENGINEER to remove any broken, faveled, or cracked paving. The cost of this work shall be considered incidental to other items of work.
 - Curb and gutter, asphalt or utilities shown as existing and not to be removed under this contract which are damaged or displaced by the CONTRACTOR or his subcontractors, shall be replaced by the CONTRACTOR at his expense.
 - Existing materials to be removed and paid for on a unit basis shall be measured and the quantities approved by the ENGINEER before removal.
 - The CONTRACTOR will be responsible to replace at his expense any and all property corners destroyed in the process of construction. All property corners must be set by a Registered Land Surveyor. Records of any such surveys shall be given to the ENGINEER.
 - The CONTRACTOR will be required to confine his work within the construction limits and/or right-of-way to preserve existing vegetation and private property.
 - Utility relocations and new utility installations required by the construction of this project are to be coordinated by the CONTRACTOR during construction. No additional compensation will be allowed for delays or inconveniences caused by utility company work crews. The CONTRACTOR may be required to reschedule his activities to allow utility crews to perform their required work.
 - Access to local business and residences shall be kept open at all times. Temporary access closures, if required, must be scheduled at least twenty four (24) hours in advance with property owners and approved by the ENGINEER.
 - Fifty ton roller operation shall not be used on this project where underground utilities are present. The required compaction of these locations shall be effected by other types of approved compaction methods.
 - 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 existing water valve boxes and existing manholes shall be adjusted to finished grade.
 - EMD's shall be installed as per Standard Specification Section 170.
 - Reseed all disturbed areas outside of paving limits.
 - At the beginning of the project, the CONTRACTOR shall pothole up to 20 (twenty) times as directed by the ENGINEER in order to locate existing utility lines and evaluate their condition. The cost of this work shall be considered incidental to other items of work.
 - The CONTRACTOR shall coordinate with all utility companies (Gas Company of New Mexico, Public Service Company of New Mexico, Mountain Bell, Jones Interchange, and any other public or private utilities) for any required relocation and/or replacement of existing lines. Utility relocation and/or replacement shall be accomplished after roadway excavation and prior to pavement placement.

RECORD DRAWING

1 2 3 4 5 6 7 8 9 10 11 12
26 27 51 02 88

Greiner Engineering 2601 Wyoming NE Albuquerque, New Mexico 87112 (505) 292-1936					
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: MOUNTAIN RD. AND GABALDON RD. STORM DRAINAGE IMPROVEMENTS					
SITE MAP, LEGEND & GENERAL NOTES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	1/23/87	Liquid Waste	<i>[Signature]</i>	1-29-87
A.G.E. Design	<i>[Signature]</i>	1-29-87	for Traffic	<i>[Signature]</i>	1-29-87
A.G.E. Hydrology	<i>[Signature]</i>	1/29/87	Water	<i>[Signature]</i>	1-29-87
DRAWING NO.	2751	MAP NO.	H-12, J12	SHEET	2 OF 11



AS BUILT INFORMATION

NO.	DATE	BY	REMARKS
1	10/86	P. Turner	
2	9/86	P. Turner	
3	2/86	P. Turner	

KEYED NOTES

- The Contractor shall saw cut existing pavement leaving a smooth, clean cut before laying new residential street asphalt pavement concrete section.
- The Contractor shall remove the existing subgrade down to top of existing subgrade. The subgrade must be a minimum of 6" thick and have a minimum of 95% compaction. If subgrade does not meet these minimum requirements, subgrade must be upgraded.
- Transition end of return from Mountable C & G to existing Standard C & G.
- The Contractor shall exercise care to not damage existing C & G, sidewalk and pavement. Any extra damage shall be the Contractor's responsibility.

ENGINEER'S SEAL

RECORD DRAWING

REVISIONS

NO.	DATE	BY	REMARKS
1	12/1/87	J.M.	

DESIGNED BY J. McLin / R. Beltramo

DRAWN BY J. McLin

CHECKED BY M. Holstad

DATE 11/21/86

DATE 11/21/86

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: MOUNTAIN RD. AND GABALDON RD. STORM DRAINAGE IMPROVEMENTS
MOUNTAIN ROAD
STA. 10+00 TO STA. 14+50

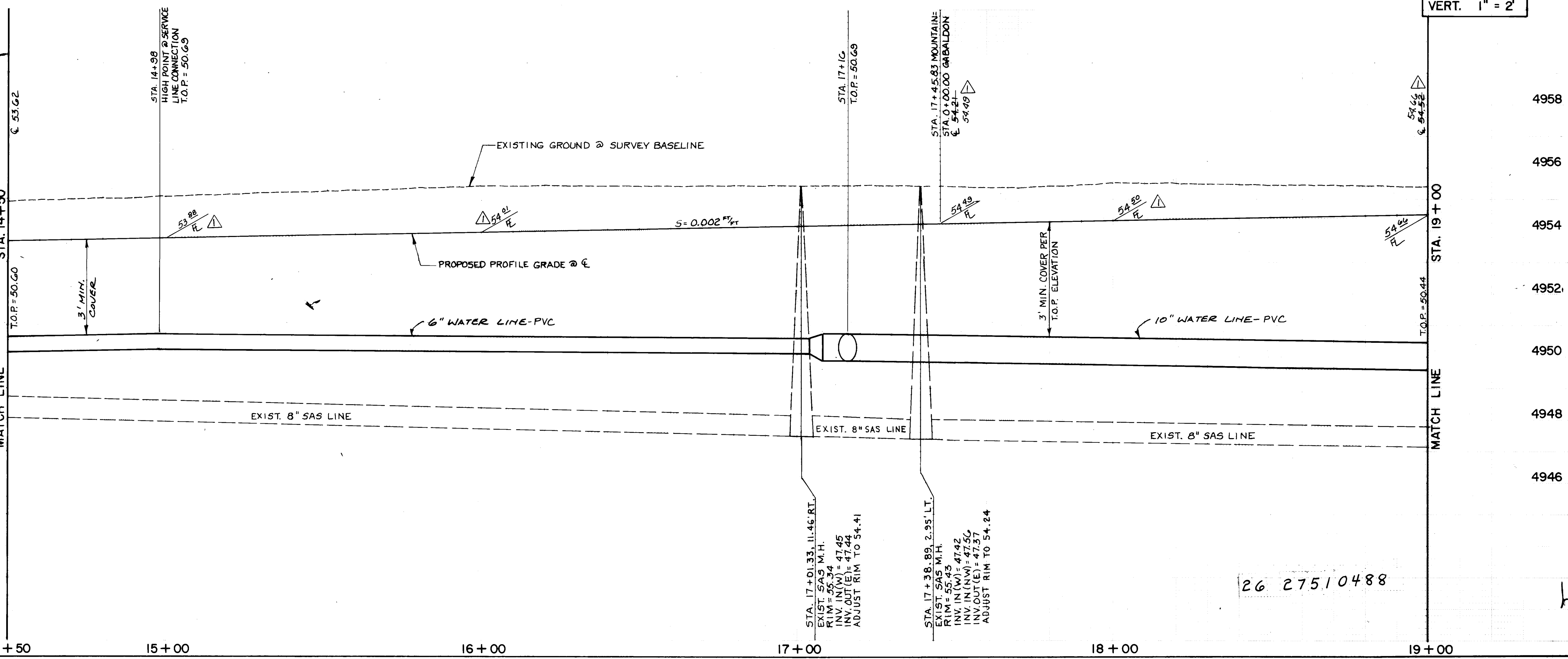
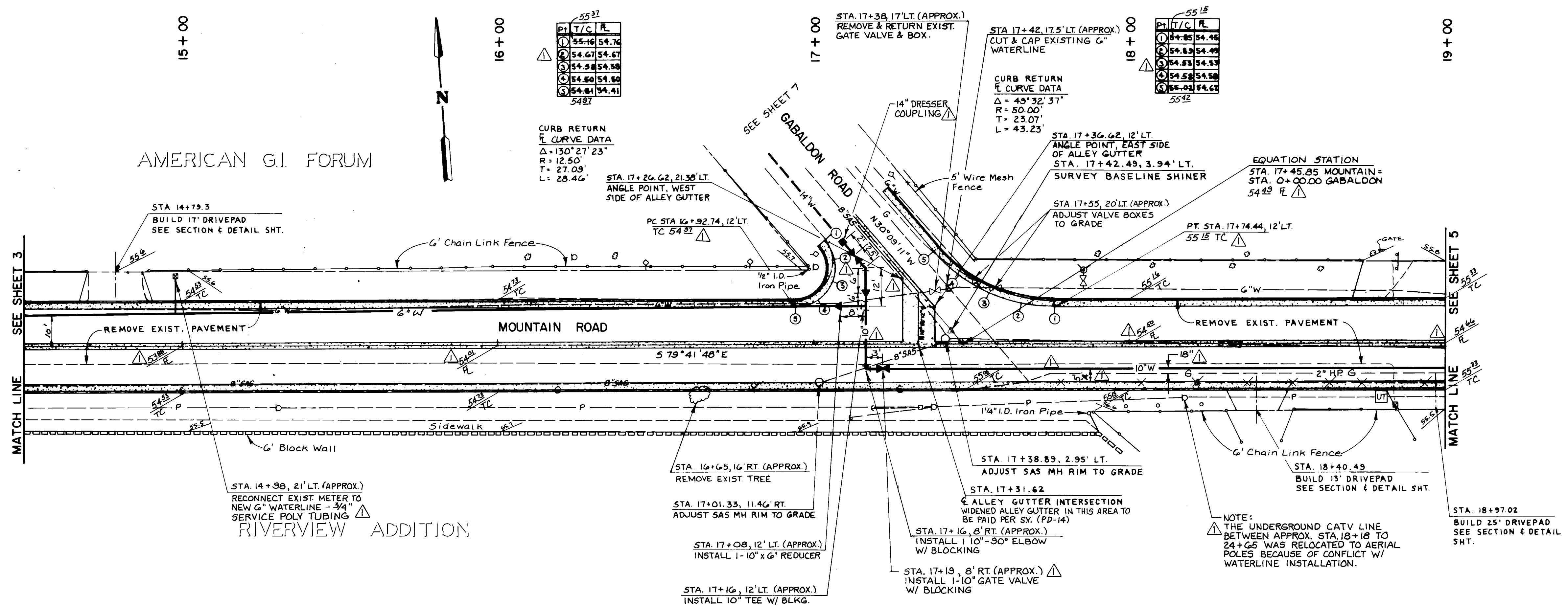
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	12/29/87	12/29/87	Liquid Waste	12/29/87	12/29/87
Asst. Eng.	12/29/87	12/29/87	Traffic	12/29/87	12/29/87
Asst. E - Hydrology	12/29/87	12/29/87	Water	12/29/87	12/29/87

DRAWING NO. 2751

MAP NO. H-12, J-12

SHEET 3 OF 11

PRINTING 44 132



RUNOFF CARRIED BY MOUNTAIN RD.
AT STA. 17+45.85
Q₁₀₀ = 7.00 cfs
V₁₀₀ = 1.26 fps
R₁₀₀ = 1.22 fms
RUNOFF CARRIED BY GABALDON RD.
AT STA. 0+00 (GABALDON)
Q₁₀₀ = 2.00 cfs
V₁₀₀ = 1.22 fms
R₁₀₀ = 1.22 fms
RUNOFF CARRIED BY MOUNTAIN RD.
AT STA. 14+50
Q₁₀₀ = 5.31 cfs
V₁₀₀ = 1.35 fps

- NOTES:
1. ABANDON EXISTING G" WATERLINE FROM STA. 9+80 TO STA. 17+42 (MOUNTAIN RD.) AND APPROX. 45' SOUTH ON DON GABAL LOOP.
 2. RECONNECT ANY EXISTING SERVICES TO NEW G" WATERLINE.
 3. EXISTING G" WATERLINE EAST OF STA. 17+42 TO REMAIN ACTIVE. EXISTING SERVICE CONNECTIONS TO REMAIN INTACT.

SCALE:
HORIZ. 1" = 20'
VERT. 1" = 2'

AS BUILT INFORMATION			
CONTRACTOR	DATE	REVISIONS	DATE
Standard ACS brass tablet stamped "J-135A", set flush with curb at N.E. corner of intersection of Rio Grande Blvd. NW and Mountain Rd. NW. State plane coordinates: x = 374,413.91 y = 1,491,407.67 Elev. = 4956.15 Temporary bench mark: East corner of intersection of Don Gabal Loop and Mountain Rd. NW. Elev. = 4957.67	10/86	1753	P. Turner
	9/86	1753	P. Turner
	2/86	1722	P. Turner

SURVEY INFORMATION			
NO.	BY	DATE	FIELD NOTES
1753	P. Turner	10/86	
1753	P. Turner	9/86	
1722	P. Turner	2/86	

ENGINEER'S SEAL			
NO.	DATE	REVISIONS	DATE
12/1/87	RECORD DRAWING		
12/1/87	REMARKS		
12/1/87	DESIGN		

RECORD DRAWINGS
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (SUNDANCE MECHANICAL AND UTILITY CORPORATION) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.

Greiner Engineering
2601 Wyoming NE
Albuquerque, New Mexico 87112
(505) 292-1936

DESIGNED BY J. McLin/R. Bellamo
DRAWN BY J. McLin
CHECKED BY M. Holstad

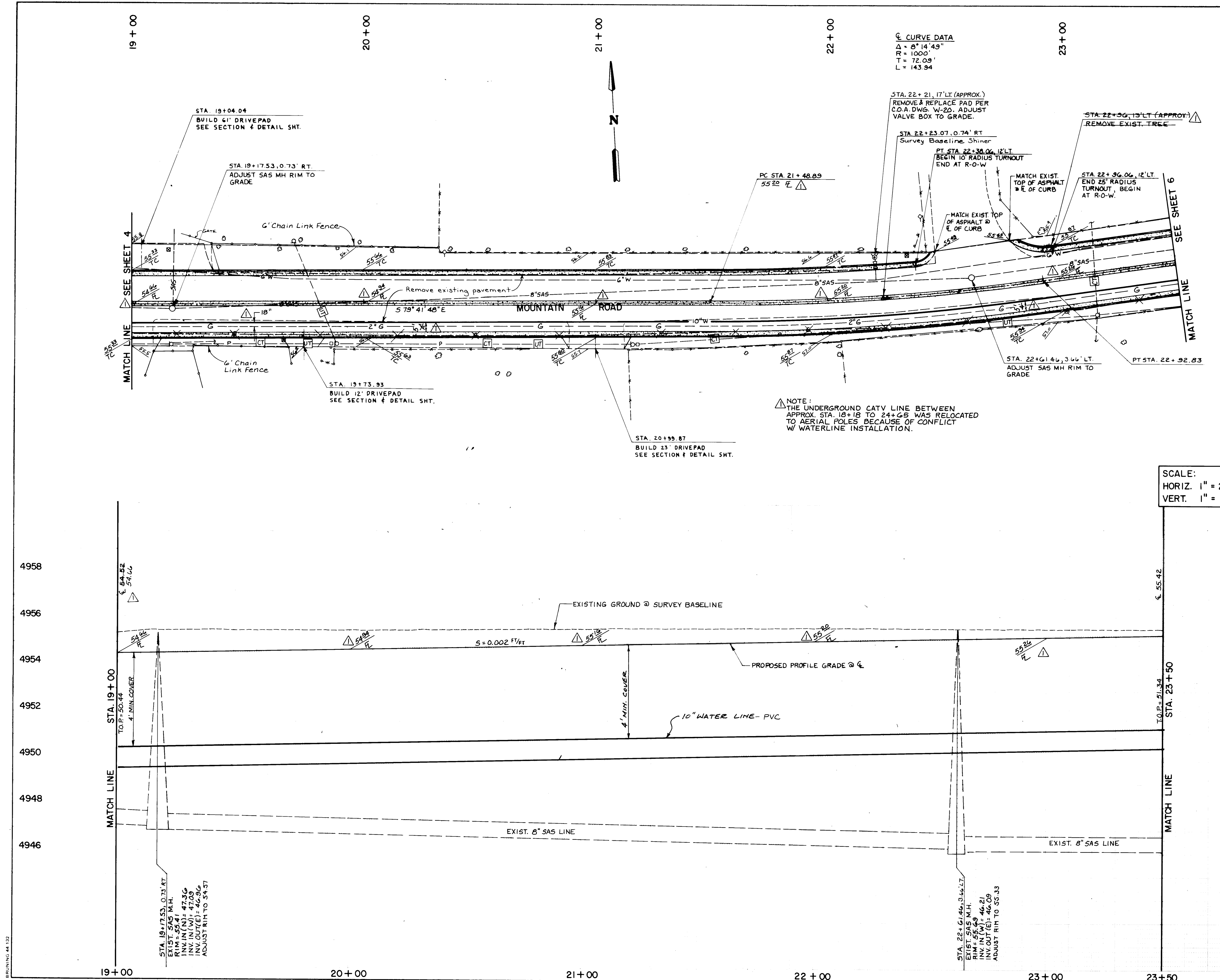
DATE 11/21/86
DATE 11/21/86
DATE 11/21/86

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: MOUNTAIN RD. AND GABALDON RD. STORM DRAINAGE IMPROVEMENTS
MOUNTAIN ROAD
STA. 14+50 TO STA. 19+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	J. McLin	11/21/87	Liquid Waste	J. McLin	1-29-87
Star-E-Design	J. McLin	1-29-87	Traffic	J. McLin	1-29-87
Star-E-Hydrology	J. McLin	1-29-87	Water	J. McLin	1-29-87

DRAWING NO. 2751 MAP NO. H12, J-12 SHEET 4 OF 11



RUNOFF CARRIED BY MOUNTAIN RD. AT STA. 19+00:

$Q_{100} = 4.49 \text{ cfs}$
 $V_{100} = 1.14 \text{ fps}$

NOTE:

- EXISTING 6" WATERLINE EAST OF STA. 17+42 TO REMAIN ACTIVE. EXISTING SERVICE CONNECTIONS TO REMAIN INTACT.
- CONTRACTOR SHALL NOTIFY JONES INTERCABLE 48 HOURS IN ADVANCE OF ANY EXCAVATION AT APPROXIMATE STATION 23+15.

AS BUILT INFORMATION

CONTRACTOR	DATE
Standard ACS	10/86
Survey	9/86
Field	2/86
Micro-Film	

ENGINEER'S SEAL

26 2751 0588

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (SUNDANCE MECHANICAL AND UTILITY CORPORATION) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.

11/2/87 12/1/87

Greiner Engineering

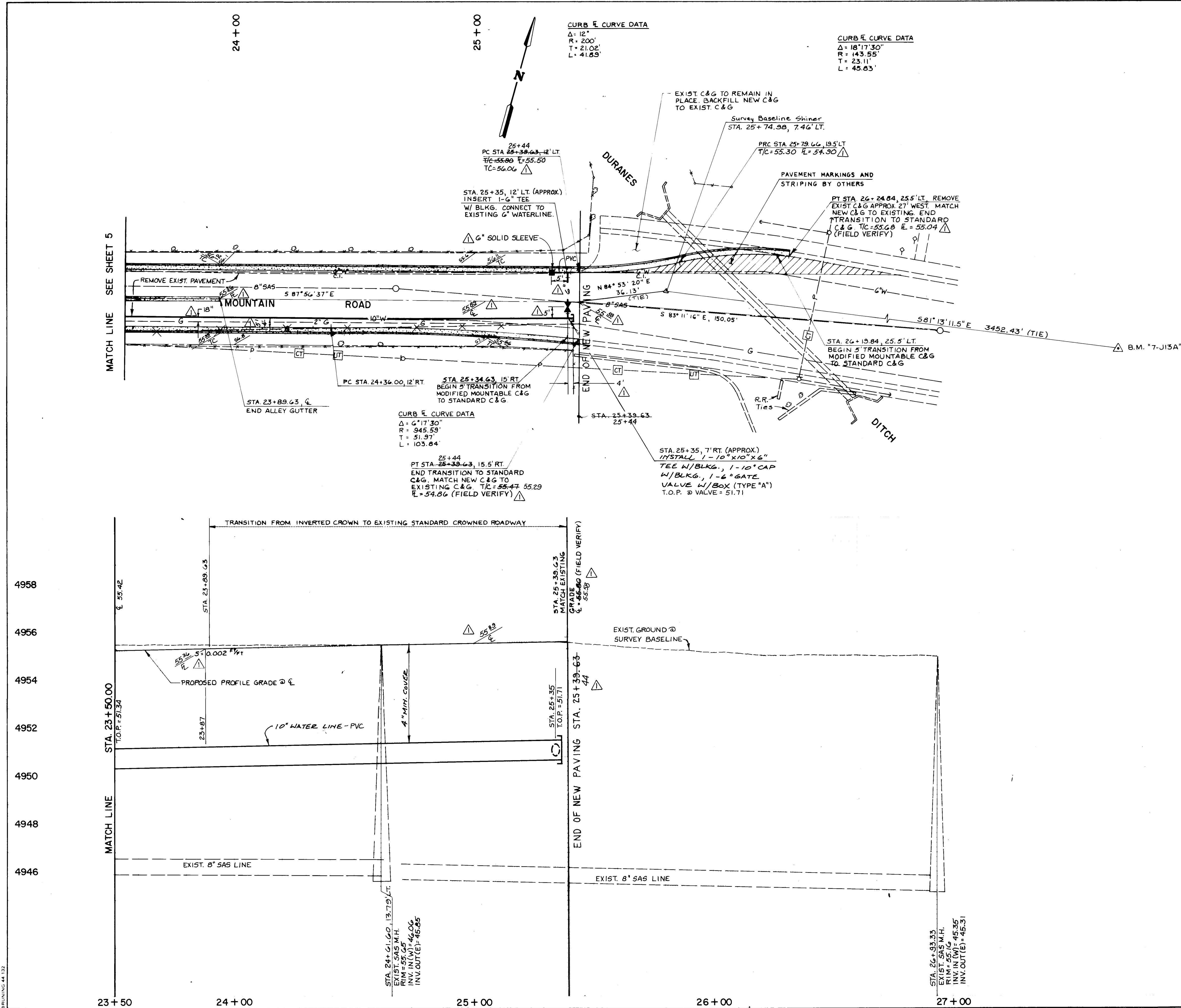
2601 Wyoming NE
Albuquerque, New Mexico 87112
(505) 292-1936

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: MOUNTAIN RD. AND GABALDON STORM DRAINAGE IMPROVEMENTS
MOUNTAIN ROAD
STA. 19+00 TO STA. 23+50

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		1/2/87	Liquid Waste		1-29-87
Design		1-29-87	Traffic		1-29-87
Hydrology		1-29-87	Water		1-29-87

DRAWING NO. 2751 MAP NO. H-12, J-12 SHEET 5 OF 11



SCALE:
HORIZ. 1" = 20'
VERT. 1" = 2'

RUNOFF CARRIED BY MOUNTAIN RD. AT STA. 23+50:

$Q_{100} = 0.87 \text{ CFS}$
 $V_{100} = 0.76 \text{ FPS}$

NOTE:
1. EXISTING 6" WATERLINE EAST OF STA. 17+42 TO REMAIN ACTIVE. EXISTING SERVICE CONNECTIONS TO REMAIN INTACT.

RECORD DRAWINGS
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (SUNDANCE MECHANICAL AND UTILITY CORPORATION) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.

MA 12-11-87

Greiner Engineering
2601 Wyoming NE
Albuquerque, New Mexico 87112
(505) 292-1936

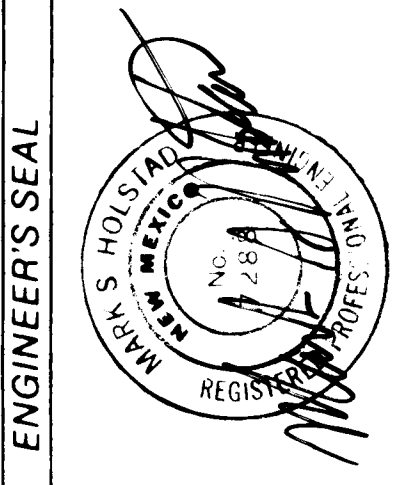
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: MOUNTAIN RD. AND GABALDON RD. STORM DRAINAGE IMPROVEMENTS
MOUNTAIN ROAD
STA. 23+50 TO STA. 25+39.63

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	1/2/87	Liquid Waste	<i>[Signature]</i>	1-29-87
ACE - Design	<i>[Signature]</i>	1-29-87	Traffic	<i>[Signature]</i>	1-29-87
ACE - Hydrology	<i>[Signature]</i>	1-29-87	Water	<i>[Signature]</i>	1-29-87

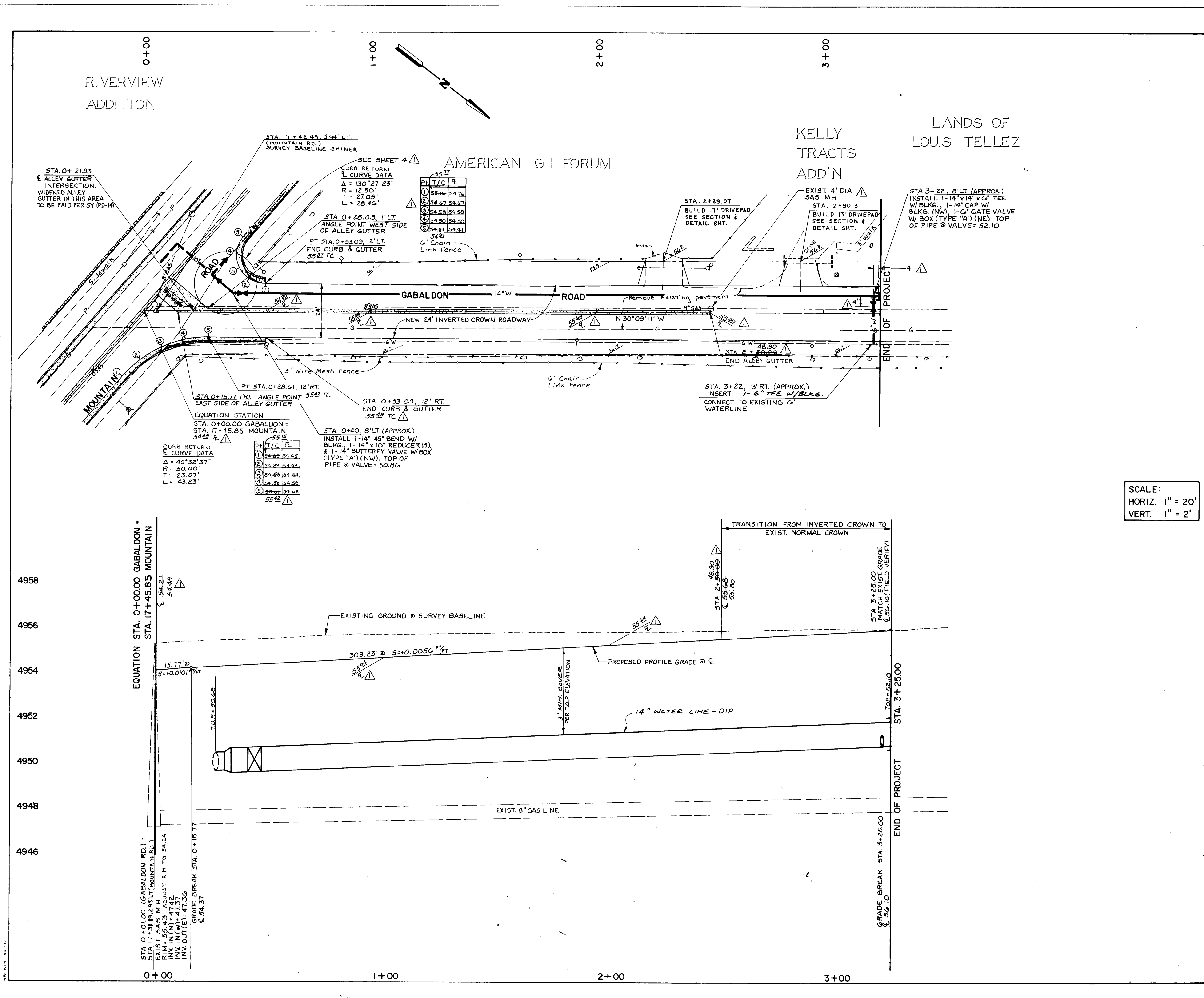
DRAWING NO. 2751
MAP NO. H-12, J-12
SHEET 16 OF 11

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	Standard ACS cross table stamped "T-J13A", set flush with curb at N.E. corner of intersection of Rio Grande Blvd. N.W. and Mountain Rd. N.W. State plane coordinates: X = 374,413.91 Y = 1,491,407.67 Elev. = 4956.15	CONTRACTOR	NO
1753	P. Turner	10/86		STAMPED BY	DATE
1753	P. Turner	9/86		FIELD	DATE
1722	P. Turner	2/86		SAFETY BY	DATE
				CONNECTED BY	DATE
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
					NO



REVISIONS	REMARKS	DATE	BY
NO.	DATE	DATE	DATE
1	12/11/87	11/21/86	11/21/86
2	12/11/87	11/21/86	11/21/86

DESIGNED BY J. McMillin
DRAWN BY J. McMillin
CHECKED BY M. Holstad



RUNOFF CARRIED BY GABALDON RD. AT STA. 0+00:

$Q_{100} = 2.06 \text{ cfs}$
 $V_{100} = 1.22 \text{ fps}$

NOTE:
1. EXISTING 6" WATERLINE TO REMAIN ACTIVE. EXISTING SERVICE CONNECTIONS TO REMAIN INTACT.

SCALE:
HORIZ. 1" = 20'
VERT. 1" = 2'

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK BY	DATE
INSPECTION BY	DATE
FIELD BY	DATE
REVISIONS	DATE
DESIGN	DATE
DRAWN BY	DATE
CHECKED BY	DATE

SURVEY INFORMATION

NO.	BY	DATE
1753	P. Turner	10/86
1753	P. Turner	9/86
1722	P. Turner	2/86

ENGINEER'S SEAL

PROJECT NO. 0690555

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (SUNDANCE MECHANICAL AND UTILITY CORPORATION) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.

12-11-87

Greiner Engineering

2601 Wyoming NE
Albuquerque, New Mexico 87112
(505) 292-1936

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

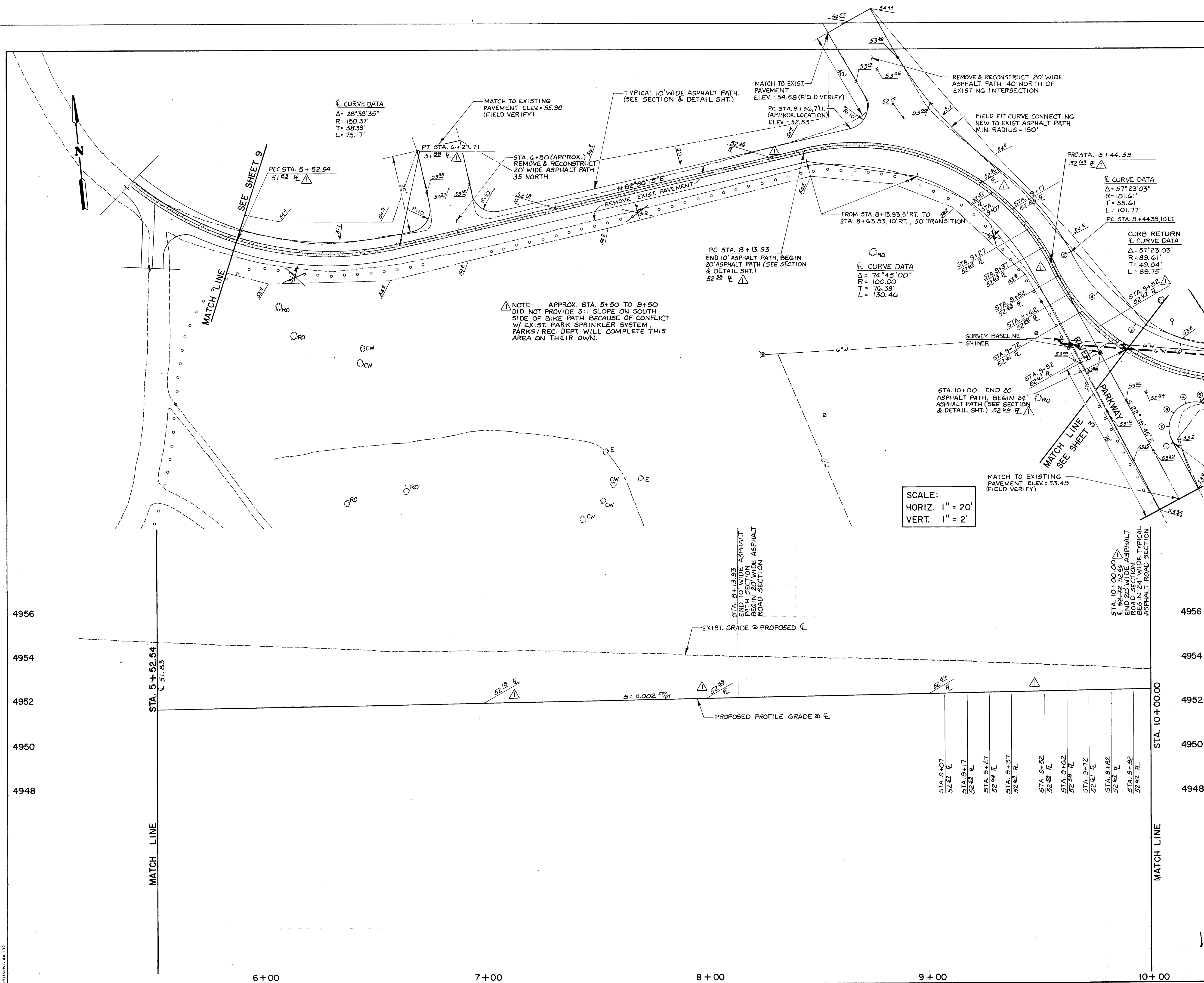
TITLE: MOUNTAIN RD. AND GABALDON RD. STORM DRAINAGE IMPROVEMENTS
GABALDON ROAD
STA. 0+00 TO STA. 3+25

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		1/29/87	Liquid Waste		1/29/87
A-E-E-Design		1/29/87	Traffic		1/29/87
A-E-E-Hydrology		1/29/87	Water		1/29/87

DRAWING NO. 2751

MAP NO. H-12, J-12

SHEET 7 OF 11



RUNOFF CARRIED BY 20' ASPHALT PATH
@ STA. 8+13.33:
 $Q_{100} = 7.41 \text{ cfs}$
 $V_{100} = 1.28 \text{ fps}$

RUNOFF CARRIED BY 10' ASPHALT PATH
@ STA. 5+52.54:
 $Q_{100} = 7.41 \text{ cfs}$
 $V_{100} = 1.73 \text{ fps}$

NOTES:
1. SOD REMOVAL - CONTRACTOR TO CONTACT AND COORDINATE SOD REMOVAL WITH PARKS AND RECREATION MANAGEMENT DEPARTMENT - BOB MARTINEZ @ PH. N° 883-4062. CONTRACTOR IS TO INDICATE LIMITS OF SOD REMOVAL REQUIRED.
2. CONTRACTOR SHALL REMOVE AND REPLACE WOODEN GUARD POSTS AS NEEDED.

PH	T/C	EL
1	53.13	
2	53.05	
3	52.97	
4	52.89	
5	52.81	

PH	T/C	EL
1	53.25	
2	53.21	
3	53.18	
4	53.14	
5	53.10	

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	DATE	BY	CONTRACTOR	DATE	BY	NO.	DATE	BY		REVISIONS	
INSPECTOR	DATE	BY	INSPECTOR	DATE	BY	NO.	DATE	BY		DESIGN	
ACCEPTANCE BY	DATE	BY	ACCEPTANCE BY	DATE	BY	NO.	DATE	BY		REVISIONS	
VERIFICATION BY	DATE	BY	VERIFICATION BY	DATE	BY	NO.	DATE	BY		DESIGN	
MICRO-FILM INFORMATION			MICRO-FILM INFORMATION			MICRO-FILM INFORMATION			MICRO-FILM INFORMATION		
RECORDED BY	DATE	BY	RECORDED BY	DATE	BY	RECORDED BY	DATE	BY	PROJECT NO. 0690555		

26 27510888

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (SUNDANCE MECHANICAL AND UTILITY CORPORATION) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.

12/1/87 12/1/87

Greiner Engineering

2601 Wyoming NE
Albuquerque, New Mexico 87112
(505) 292-1936

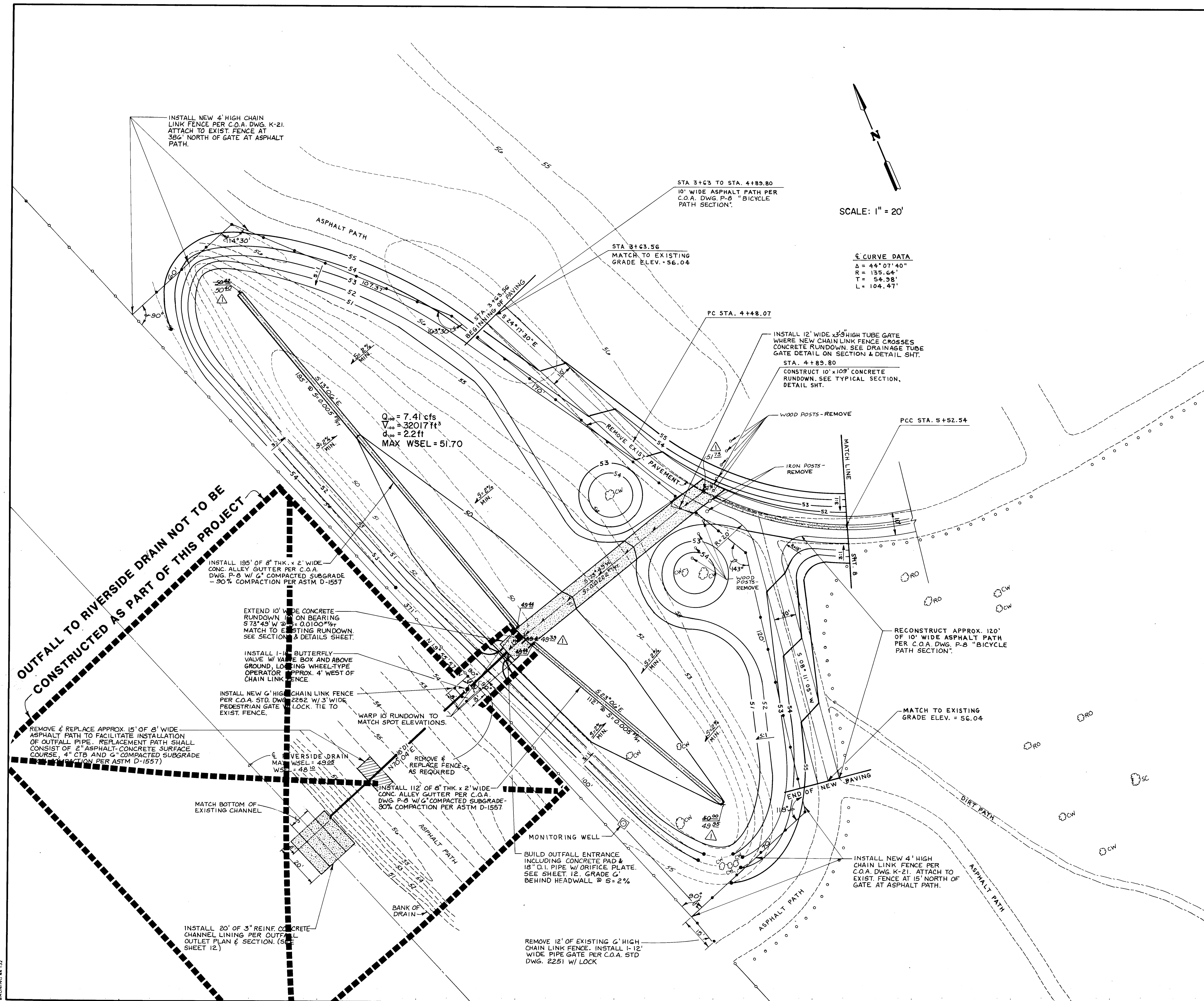
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

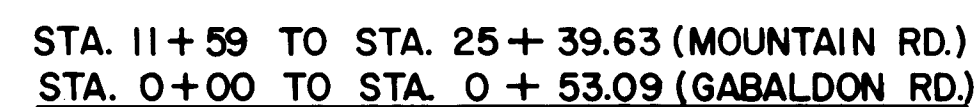
TITLE: MOUNTAIN RD. AND GABALDON RD. STORM DRAINAGE IMPROVEMENTS

OUTFALL TO RETENTION POND

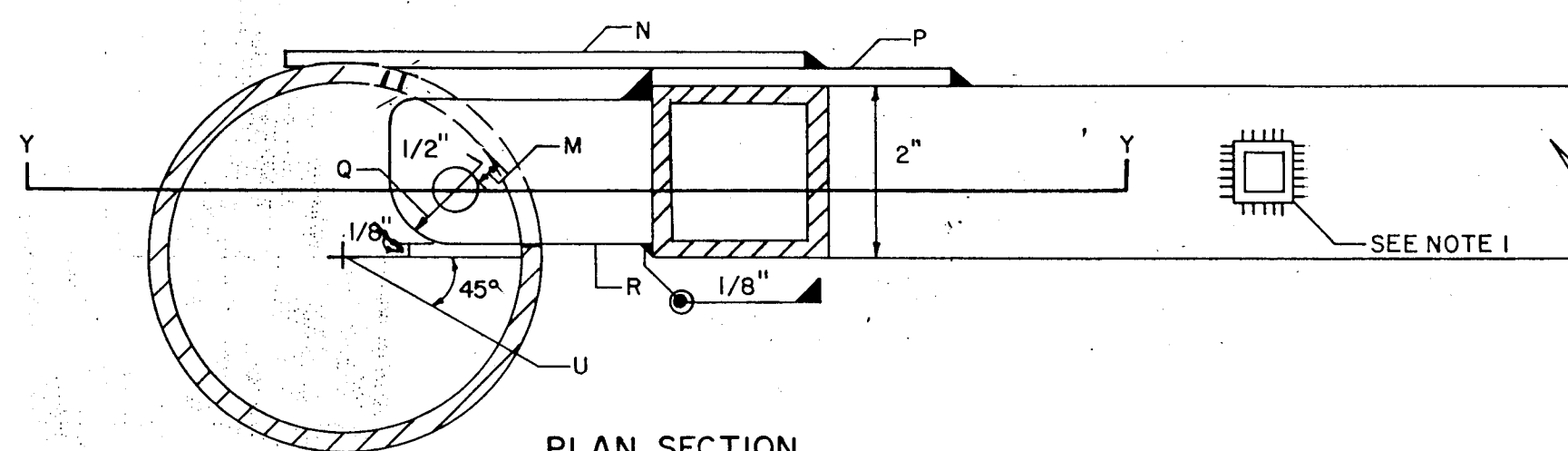
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	J. McLin	1/29/87	Liquid Waste	W/W	1-29-87
A.C.E. - Design	J. McLin	1-29-87	Traffic	W/W	1-29-87
A.C.E. - Hydrology	J. McLin	1-29-87	Water	W/W	1-29-87

DRAWING NO.	2751	MAP NO.	H-12, J-12	SHEET	8	OF	11
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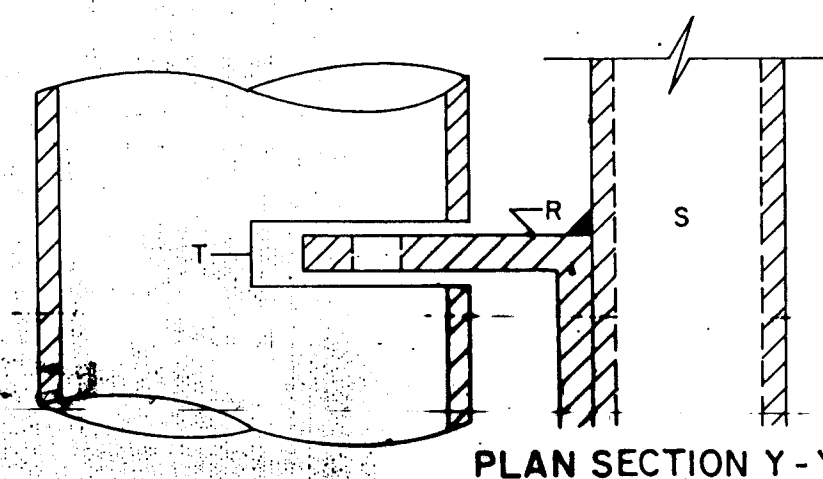




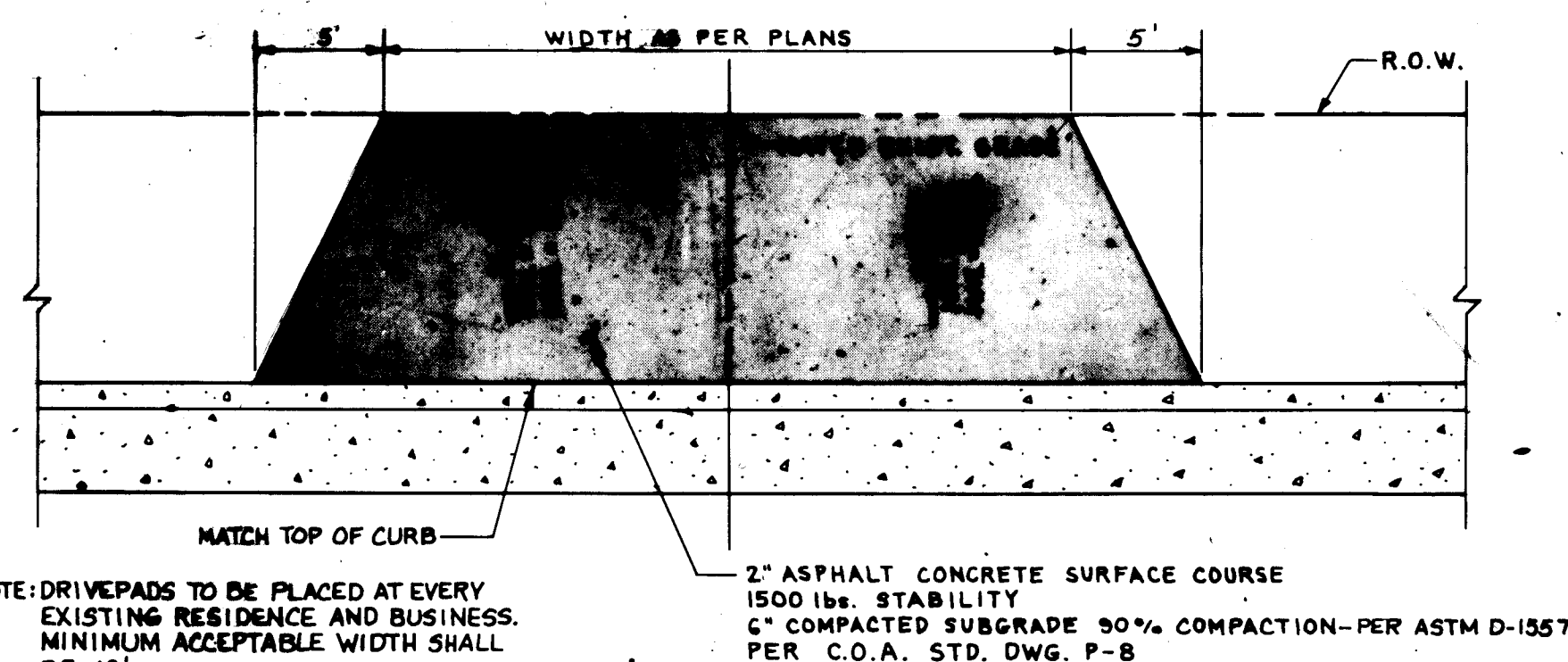
TYPICAL ROAD SECTIONS
N.T.S.



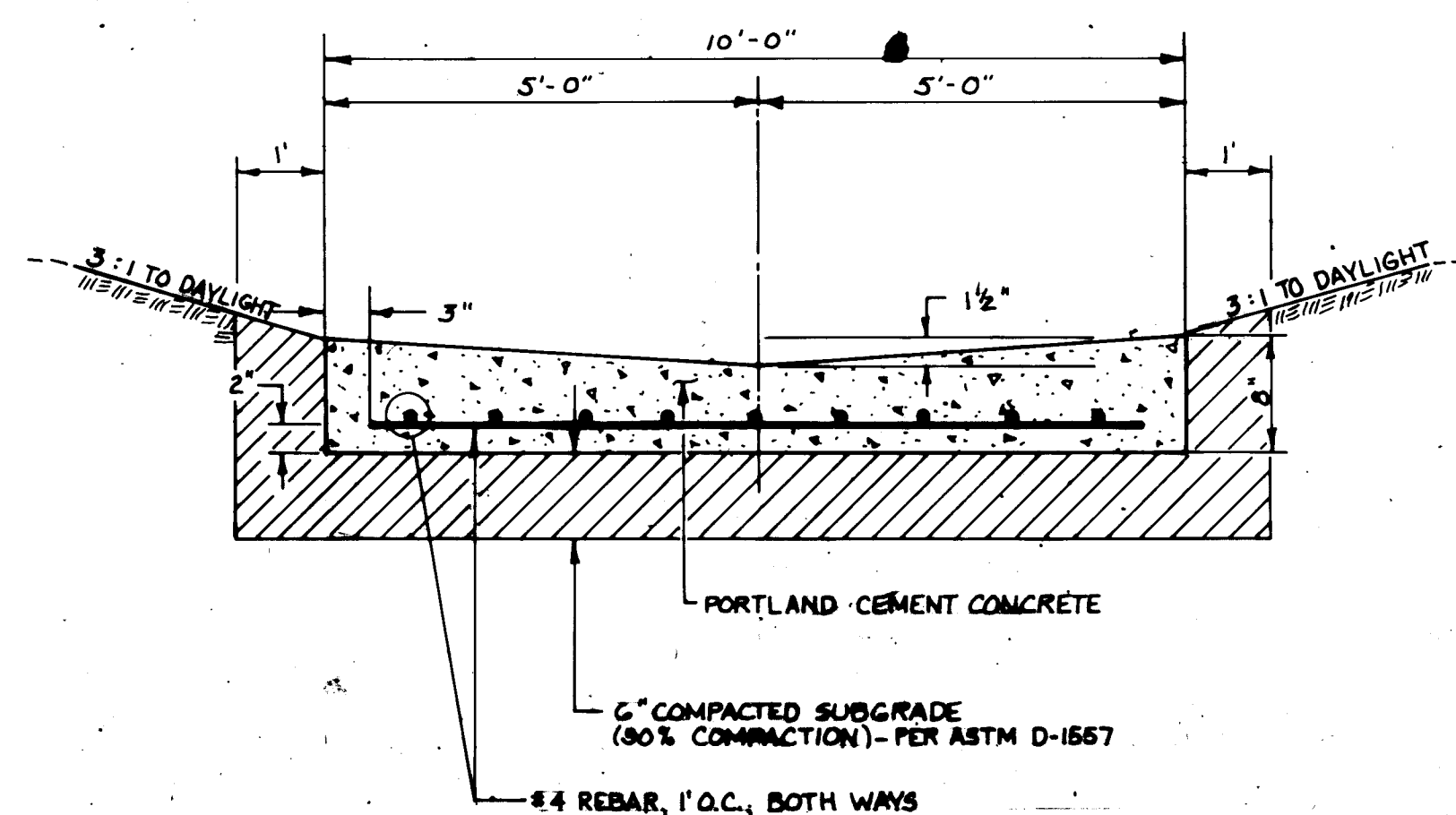
PLAN SECTION



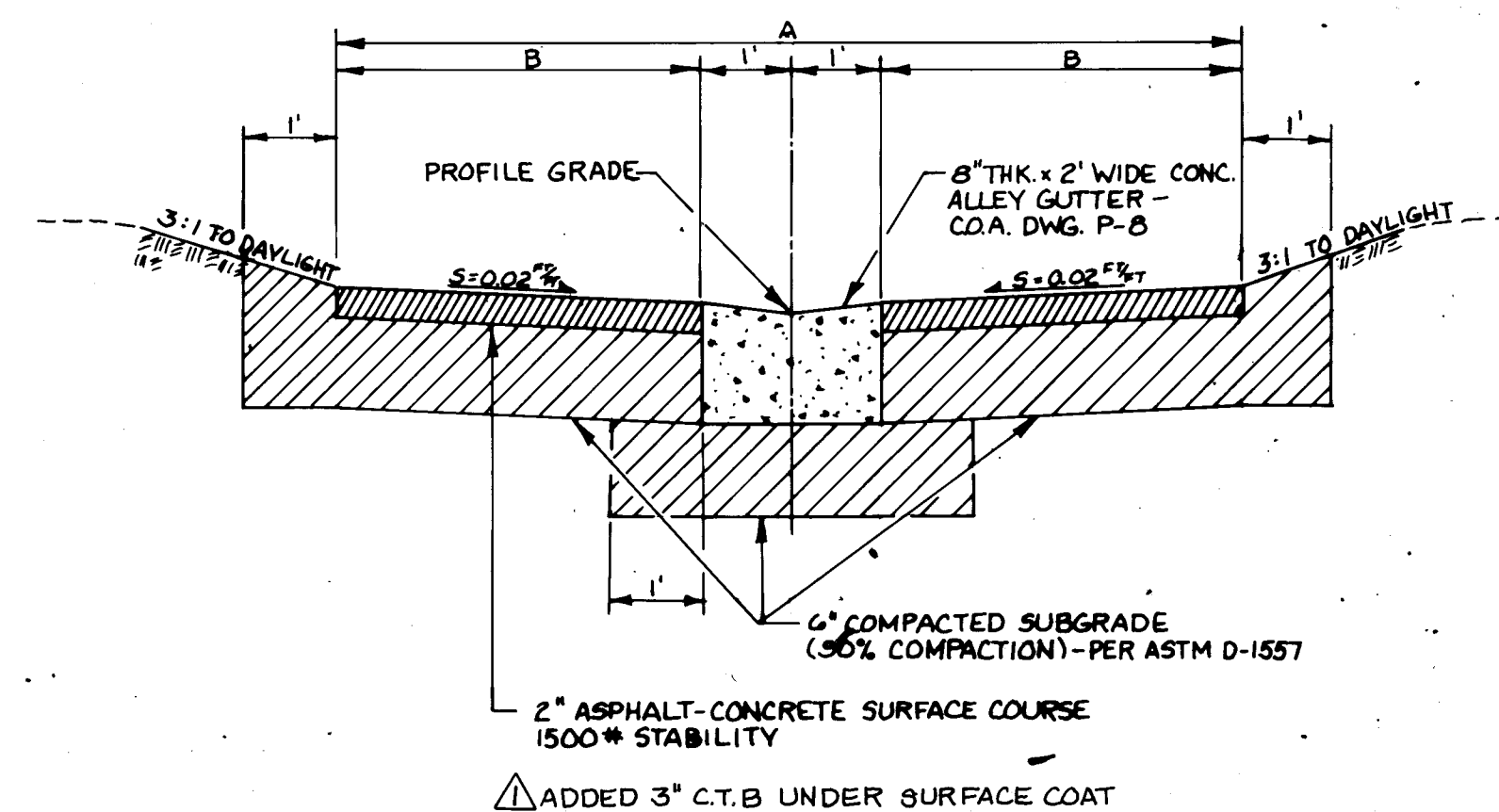
PLAN SECTION Y-Y



DRIVEPAD DETAIL
N.T.S.



CONCRETE RUNDOWN



TYPICAL PATH SECTION

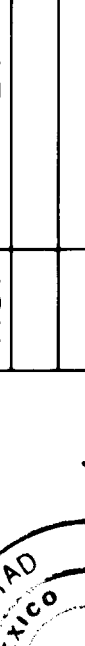
GENERAL NOTES:

1. WELDS TO BE CONTINUOUS ALL AROUND, 3/32" FILLET, TYPICAL FOR GATE TUBES AND GUSSETS.
2. REMOVE SLAG AND BURRS AFTER FABRICATION.
3. CITY TO FURNISH LOCK.
4. FINISH: AS SPECIFIED BY THE PLANS. IF NO FINISH SPEC'D. THEN PAINT WITH ONE SHOP COAT OF ZINC RICH PRIMER AND TWO COATS OF ALUMINUM PAINT. (AASHTO M-69)

CONSTRUCTION NOTES:

- A. 4" STEEL POST W/WELDED CAP ON TOP, FILL W/CONC. TO BOTTOM OF LOCK POCKET.
- B. LOCK POCKET & GATE LATCH PER DETAIL THIS DWG.
- C. 2"x2" $\square$ STEEL TUBING x 1/8" WALL THICKNESS, VERTICAL FRAME, W/1/8" PLATE. CAP WELDED TO TOP.
- D. 3/4" x 3/4" $\square$ STEEL TUBING x 1/16" WALL THICKNESS @ 6" O.C. MAX.
- E. 4" SCHEDULE 40 STEEL POST CONC. FILLED.
- F. SLEEVE HINGLES PER STD. DETAIL DWG. 225-1
- G. 2"x2" $\square$ STEEL TUBING x 1/8" WALL THICKNESS FOR HORIZONTAL.
- H. 6" x 6" x 1/8" GUSSETED PLATE. $\blacktriangle$, 4 PLACES.

- M. DRILL HOLE IN FIELD TO PROVIDE 1/8" MAX. "SLOP
- N. 1/8" STEEL STOP PLATE.
- P. 1/8" STEEL GUSSET PLATE.
- Q. 3/4" RADIUS.
- R. 3" x 3" x 3/8" ANGLE, 1 - 5/8" LONG.
- S. 2" ID TUBING.
- T. 5/8" SLOT, ± 75° OF POST CIRCUMFERENCE.
- U. 1/2" Ø FINGER LOCK, 6 1/4" ABOVE LOCK SLOT & 1/2" WIDE x 4" HIGH. 1/2" ACCESS HOLE, LOCK POSTS TOP OF HOLE 1" BELOW LOCK SLOT.

ENGINEER'S SEAL										SURVEY INFORMATION				BENCH MARKS				AS BUILT INFORMATION			
										FIELD NOTES											
										NO.		BY									
DESIGNED BY J. McClin / R. Beltramo DATE 11/21/86																					
DRAWN BY J. McClin / B. Chavez DATE 11/21/86																					
CHECKED BY M. Beltramo DATE 11/21/86																					
REVISIONS																					
DESIGN																					
NO. DATE RECORD DRAWING REMARKS BY																					
12/1/87																					
Waste																					
Traffic																					
Water																					
SHEET 10 OF 11																					

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RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (SUNDANCE MECHANICAL AND UTILITY CORPORATION) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.

MA 12-11-87

Greiner Engineering

2601 Wyoming NE
Albuquerque, New Mexico 87112
(505) 292-1936

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: MOUNTAIN RD. AND GABALDON RD. STORM DRAINAGE IMPROVEMENTS

SECTIONS & DETAILS

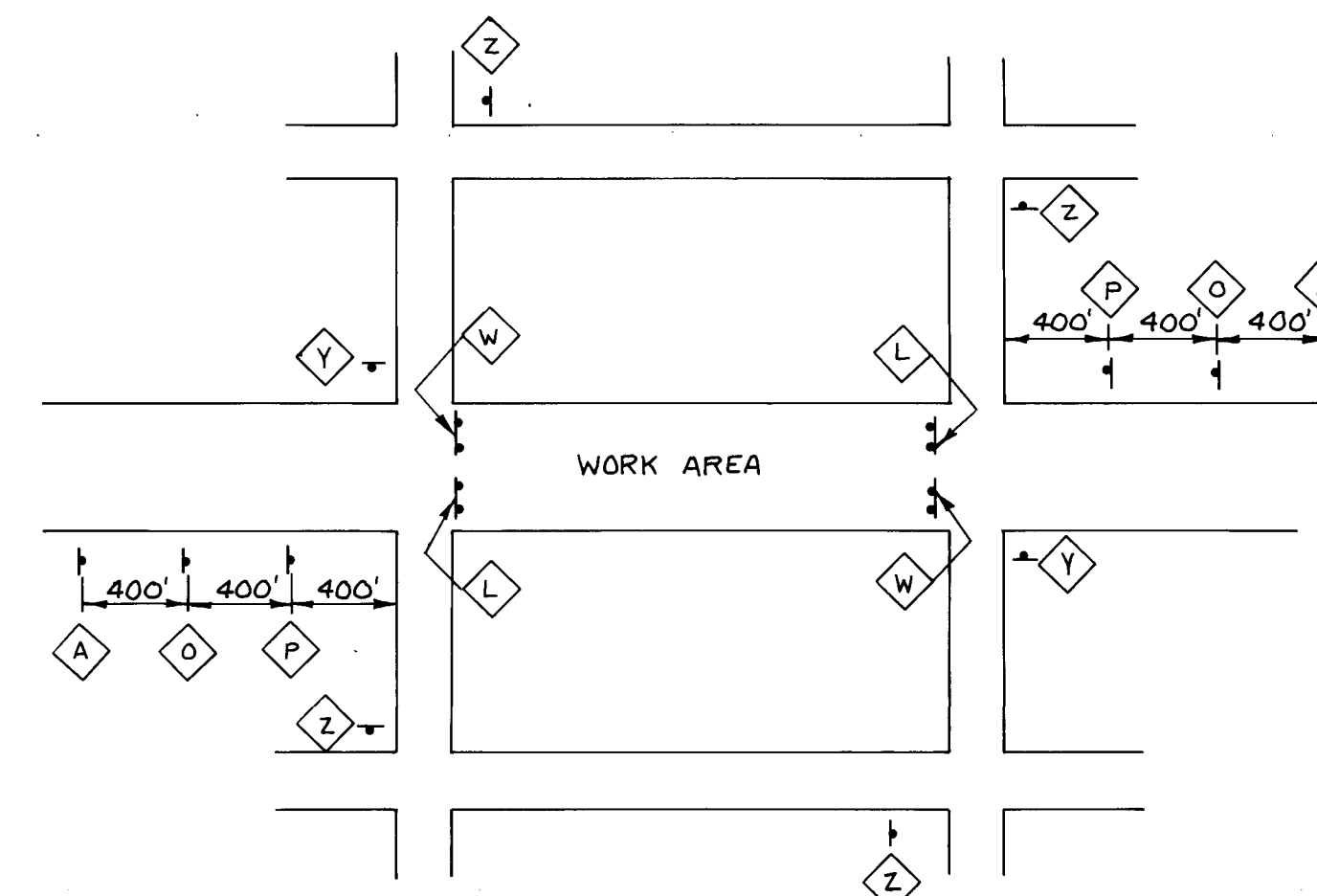
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	1/23/87	Liquid Waste	<i>[Signature]</i>	1-29-87
ACE Design	<i>[Signature]</i>	1-29-87	for Traffic	<i>[Signature]</i>	1/29/87
AG-E-Hydrology	<i>[Signature]</i>	1/29/87	Water	<i>[Signature]</i>	1-29-87

DRAWING NO.	2751	MAP NO.	SHEET	10	OF	11
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W20-1 A	W20-5R B	W4-2R C	W20-5RR D	W20-5L E	W4-2L F	W20-5LL G	W20-4 H	W20-7a I
W6-3 J	W1-4L K	W1-4R L	W20-5C M	W12-1 N	W20-3 O	W20-2 P	W8-1 Q	W5-1 R
R4-7a S	R3-2 T	R3-1 U	M4-10 V	R11-2 W	R11-4 X	M4-9R Y	M4-9L Z	
W1-7 AA	W1-6 BB	CC	W1-1R DD	W1-1L EE	FF	W13-1 GG	W13-1 HH	

SPEED LIMIT (M.P.H.)	TAPER LENGTH (FEET)			MAXIMUM DISTANCE BETWEEN DEVICES (FEET)	MINIMUM NUMBER OF DEVICES REQUIRED
	10 FOOT LANE	11 FOOT LANE	12 FOOT LANE		
25	104	115	125	25	6
30	150	165	185	30	7
35	204	225	245	35	8
40	267	293	320	40	9
45	450	495	540	45	13
50	500	550	600	50	13
55	550	605	660	55	13

- BARRICADE - TYPE I, TYPE II, OR A BARREL
- ┆ SIGN
- H VERTICAL PANEL
- ┆ BARRICADE - TYPE III
- ☒ FLAG PERSON



The diagram shows a construction area with a 100' TAPER 5 BARRELS @ 25' on both sides. The central area is labeled 'WORK AREA'. Dimensions of 300' ± are indicated between markers A, CC, and T. A checkmark is present in a box on the right side of the diagram.

Diagram illustrating a typical right lane closure on a two-lane road. The closure is marked by diamond-shaped markers A, B, and C, spaced 400' apart. The taper length is 540' with 13 barrels at a 45-degree angle. The work area is indicated by a series of dots. A Type III Barricade with a BB is shown at the end of the work area. A note refers to a typical minor street closure.

Diagram illustrating a 4-lane highway with a 100-foot wide work area. The diagram shows a 540-foot taper with 13 barrels at 45 degrees, followed by a 400-foot section with 13 barrels at 45 degrees. The work area is 100 feet wide and 100 feet long. The diagram is labeled "WORK AREA" and "TYPE III BARRICADES W/ BB".

1. Contractor shall adhere to Section 19 of the City of Albuquerque Interim Standard Specifications for Public Works Construction Manual.
2. During construction, contractor must maintain access to all feeder streets.
3. Contractor shall maintain access to each private residence and business (G.I. Forum) affected by the construction.
4. Cost of maintaining access to private residence, feeder street, and businesses (G.I. Forum) will be incidental to the contract.
5. As directed by the City of Albuquerque Traffic Engineer, at the intersection of Mountain Road and Cabaldon Road, all left turns will be prohibited during construction
6. Construction shall be conducted as follows: During the day, contractor must maintain free flow of traffic on Mountain Road and adjoining feeder streets either by employing approved detour plans, flagging operation, limiting excavation, limited construction area, or a combination of each.
7. Each night, contractor shall backfill all open excavations, allowing two way traffic to flow freely.

BENCH MARKS

SURVEY INFORMATION

ENGINEER'S SEAL

PROJECT NO. 0690555

2601 Wyoming NE
Albuquerque, New Mexico 87112
(505) 292-1936

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: MOUNTAIN RD. AND GABALDON RD. STORM DRAINAGE IMPROVEMENTS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	1/2/87	Liquid Waste	<i>[Signature]</i>	1-29-87
ACE Design	<i>[Signature]</i>	1-29-87	Traffic	<i>[Signature]</i>	1-29-87
ACE Hydrology	<i>[Signature]</i>	1-29-87	Water	<i>[Signature]</i>	1-29-87

DRAWING NO.	2751	MAP NO.	H-12-J-12	SHEET	11	OF	11
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MA 12
12-11-80