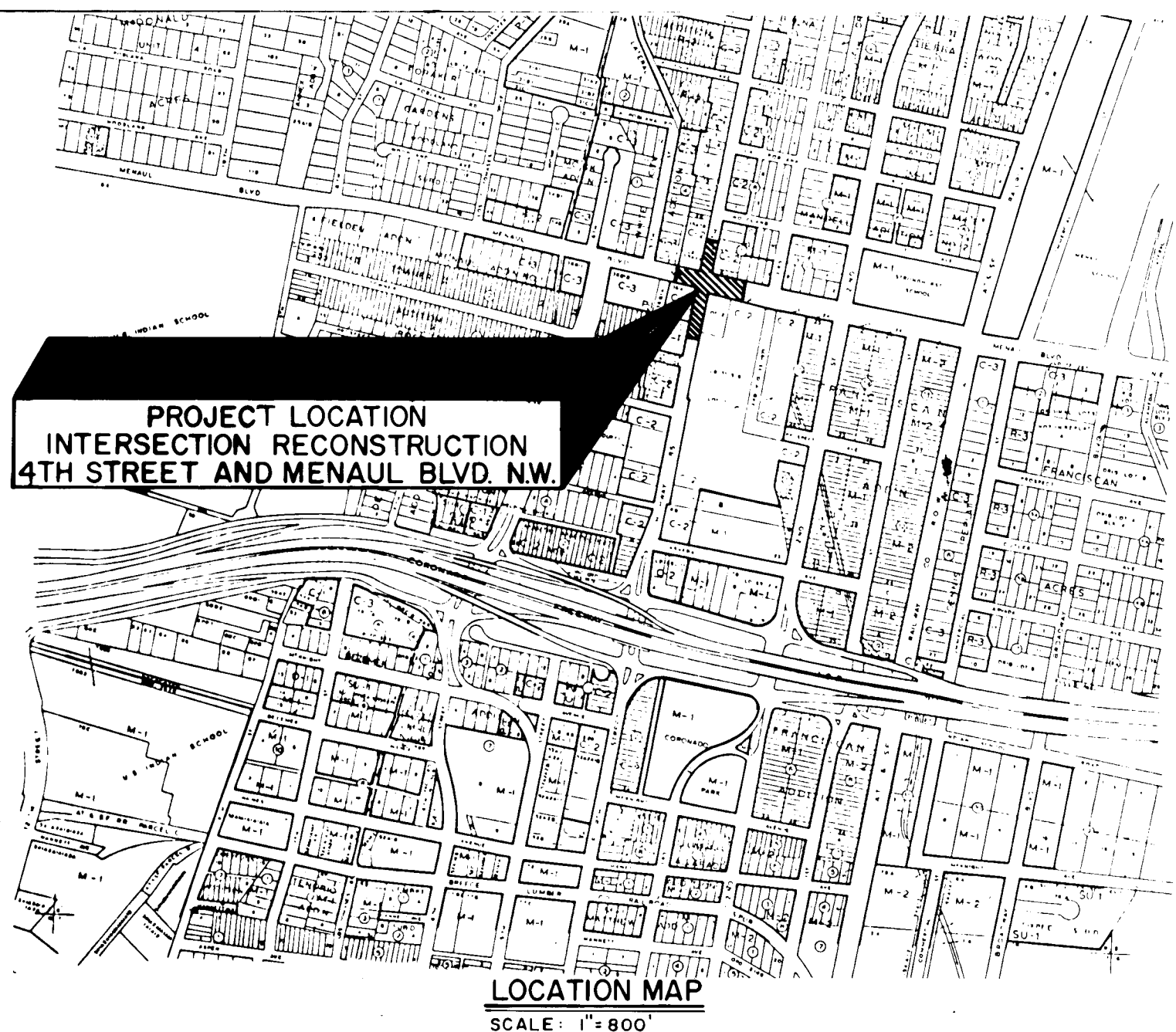


INTERSECTION RECONSTRUCTION 4TH STREET AND MENAUL BLVD. N.W.



JUNE 1984

GENERAL

<u>SHEET NO.</u>	<u>TITLE</u>
1. OF 24	TITLE SHEET, LOCATION MAPS AND INDEX OF DRAWINGS.
2. OF 24	GENERAL NOTES AND LEGEND.

4 TH. STREET AND MENAUL BLVD. N.W.

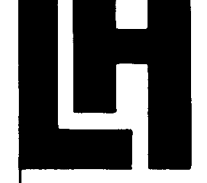
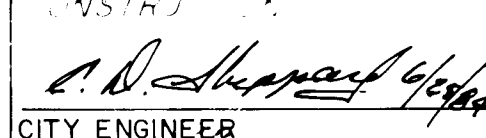
<u>SHEET NO.</u>	<u>TITLE</u>
3. OF 24	CONSTRUCTION PHASING AND TRAFFIC SIGNALIZATION LAYOUT.
4. OF 24	TRAFFIC CONTROL PLAN - PHASE 1.
5. OF 24	TRAFFIC CONTROL PLAN - PHASE 2.
6. OF 24	TRAFFIC CONTROL PLAN - PHASE 3.
7. OF 24	TRAFFIC CONTROL PLAN - PHASE 4.
8. OF 24	TRAFFIC CONTROL PLAN - PHASE 5.
9. OF 24	WATER VALVE SHUT OFF PLAN.
10. OF 24	MENAUL BLVD. N.W. UTILITY LAYOUT STA. 0+00.00 TO STA. 4+75.00.
11. OF 24	MENAUL BLVD. N.W. UTILITY LAYOUT STA. 4+75.00 TO STA. 8+00.00.
12. OF 24	4TH. STREET N.W. UTILITY LAYOUT STA. 0+00.00 TO STA. 3+50.00.
13. OF 24	4TH. STREET N.W. UTILITY LAYOUT STA. 3+50.00 TO STA. 7+00.00.
14. OF 24	JOINT LAYOUT.
15. OF 24	JOINT ELEVATION LAYOUT.
16. OF 24	MENAUL BLVD. N.W. PHASE 1 PAVING PLAN STA. 0+00.00 TO STA. 4+75.00.
17. OF 24	MENAUL BLVD. N.W. PHASE 1 PAVING PLAN STA. 4+75.00 TO STA. 8+31.43.
18. OF 24	MENAUL BLVD. N.W. PHASE 2 PAVING PLAN STA. 0+00.00 TO STA. 4+75.00.
19. OF 24	MENAUL BLVD. N.W. PHASE 2 PAVING PLAN STA. 4+75.00 TO STA. 8+62.13.
20. OF 24	4TH. STREET N.W. PHASE 3 PAVING PLAN STA. 3+50.00 TO STA. 7+00.00.
21. OF 24	4TH. STREET N.W. PHASE 4 PAVING PLAN STA. 3+50.00 TO STA. 7+00.00.
22. OF 24	4TH. STREET N.W. PHASE 5 PAVING PLAN STA. 0+00.00 TO STA. 4+50.00.
23. OF 24	TYPICAL JOINT DETAILS.
24. OF 24	MISCELLANEOUS DETAILS AND PAVING SECTIONS.
24A OF 24A	CHANGE ORDERS

LEEDSHILL-HERKENHOFF NO. 1859

RECORD DRAWING
MAY 3 1985
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

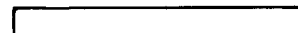
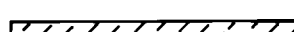
RECORD DRAWING INFORMATION	
CONTRACTOR:	Bender Construction Co.
INSPECTOR'S ACCEPTANCE:	K.W. Mount Feb. 28, 1985
ACCEPTANCE DATE FOR BENEFICIAL OCCUPANCY:	Jan. 23, 1985
WORK STAKED BY:	Kim Stelzer
FIELD VERIFICATION BY:	G.S. Gatewood

26 18710185

REV	SHEETS	CITY ENGINEER	DATE	USER TEST	DATE	PH TEST	DATE
APPROVAL OF RECORDING		APPROVAL OF RECORDING		APPROVAL OF RECORDING		APPROVAL OF RECORDING	
				LEEDSHILL-HERKENHOFF, INC. Copper Square, 500 Copper Ave. N.W. P.O. Box 1217 Albuquerque, New Mexico 87103 (505) 247-0294		APPROVED FOR CONSTRUCTION  CITY ENGINEER	
PROJECT NO. 1871		DIRECTOR OF TRANSPORTATION		SHEET 1 OF 24			

LEGEND

PROPOSED	EXISTING	DESCRIPTION
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
NA		TELEPHONE MANHOLE
		SANITARY SEWER LINE W/SIZE & TYPE
		STORM DRAIN LINE W/SIZE & TYPE
		WATER LINE W/SIZE & TYPE
NA		OVERHEAD ELECTRICAL LINES
		UNDERGROUND ELECTRICAL / TRAFFIC CONTROL
NA		UNDERGROUND TELEPHONE
NA		GAS LINES W/SIZE & TYPE
NA		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		WATER METER
		VALVE BOX
NA		POWER POLE
NA		LIGHT POLE
		TRAFFIC LIGHT
		TRAFFIC CONTROL BOX
		PULL BOX
NA		TELEPHONE BOOTH
		CURB & GUTTER
		SIDEWALK
		BLOCK WALL
		CHAIN LINK FENCE
		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
	NA	LIGHT POLE BASE

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

GENERAL NOTES

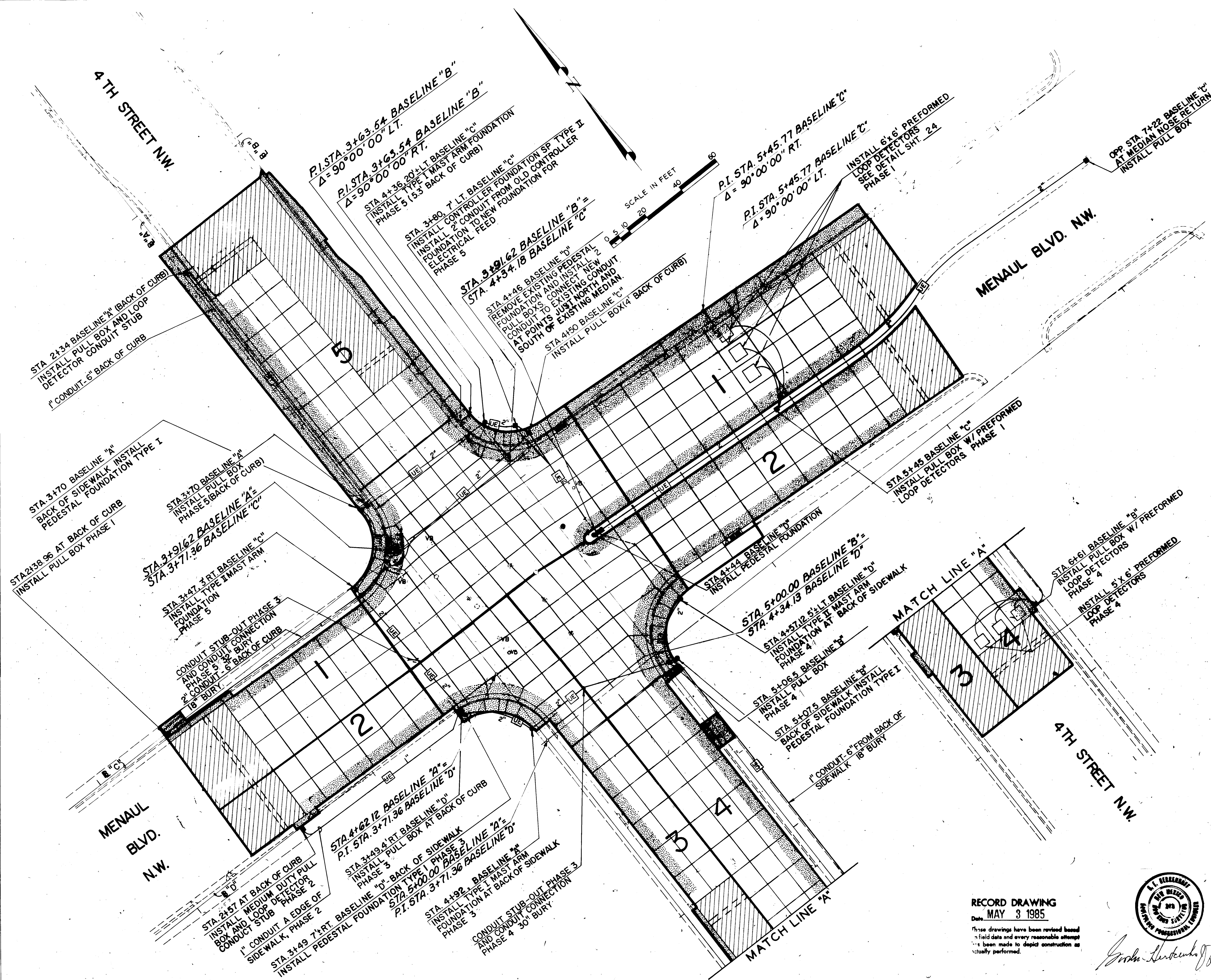
1. ALL WORK DETAILED ON THESE PLANS IS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1979 EDITION (REFERRED TO HEREINAFTER AS THE STANDARD SPECIFICATIONS) AND THE PROJECT SPECIFICATIONS TITLED "INTERSECTION RECONSTRUCTION 4TH STREET AND MENAUL BLVD. N.W."
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
3. 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 SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
4. THE REPLACEMENT OF THE EXISTING WATER AND SANITARY SEWER LINES AND THE INSTALLATION OF SOME NEW STORM DRAIN LINES WILL BE COMPLETED IN ADVANCE OF STARTING THE PAVEMENT WORK. TEMPORARY PAVEMENT WILL BE PLACED IN ALL TRENCHES REQUIRED FOR THE UTILITY REPLACEMENTS UNTIL THE PAVEMENT WORK STARTS IN EACH AREA. SOME OF THE EXTENSIONS OF EXISTING STORM DRAIN LINES MAY BE INCORPORATED INTO THE VARIOUS PAVEMENT PHASES OF THE INTERSECTION.
5. TACK COAT FOR SURFACE COURSE REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
6. ALL EXISTING MANHOLES AND VALVE BOXES IN THE INTERSECTION SHALL BE ADJUSTED TO THE NEW FINISH GRADE AS PART OF THE PAVING OPERATIONS.
7. THE CONTRACTOR SHALL CONTACT THE CITY OF ALBUQUERQUE TRAFFIC DIVISION ONE (1) WEEK IN ADVANCE OF ANY CHANGES REQUIRED IN THE TRAFFIC SIGNALIZATION OF THIS INTERSECTION. ALL REMOVAL AND NEW INSTALLATION OF TRAFFIC SIGNALS, CONTROLLERS AND SPLICE BOXES SHALL BE DONE BY THE CITY OF ALBUQUERQUE PERSONNEL.
8. ALL STREET WIDTHS, SIDEWALK WIDTHS, AND STREET ALIGNMENTS SHALL REMAIN AS EXISTING UNLESS OTHERWISE SHOWN ON THE PLANS.
9. ALL NEW STREET PAVING, DRIVEWAYS, SIDEWALKS, AND CURB AND GUTTERS, ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATION OF THOSE AREAS.
10. PERMANENT PAVEMENT STRIPING AND MARKINGS SHALL BE PLACED BY THE CITY TRAFFIC ENGINEER DIVISION AND ARE NOT A PART OF THIS CONTRACT.
11. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING CURB AND GUTTER DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. HE SHALL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND SHALL BE RESPONSIBLE FOR CLEANING SAME AT HIS OWN SHOULD SPLASHING OCCUR.
12. EXCAVATED MATERIALS WILL ONLY BE PLACED AS APPROVED BY THE PROJECT ENGINEER.
13. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA.
14. ALL PERMANENT AND CONSTRUCTION EASEMENTS ON PRIVATE PROPERTY WILL BE OBTAINED BY THE CITY OF ALBUQUERQUE PRIOR TO THE BEGINNING OF CONSTRUCTION.
15. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE, AS REQUIRED, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.

16. THE FOLLOWING MATERIAL SHALL BE MOVED FROM THE PROJECT AND STOCKPILED IN AS INDICATED IN SECTION 343 OF THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS:

CURB AND GUTTER
CATCH BASINS
SIDEWALK
DRIVEPADS

ALL COSTS INCURRED IN HAULING THIS MATERIAL TO THE DISPOSAL SITE DESIGNATED SHALL BE INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT SHALL BE MADE. STORAGE AREA FOR THIS PROJECT SHALL BE AREA D (ZONE ATLAS F-19); SOUTH SIDE OF BEAR CANYON ARROYO WEST OF THE CITY NURSERY NEAR PENNSYLVANIA AND OSUNA ROAD. CONTACT CITY STREET MAINTENANCE ENGINEER AT 766-7755 TO COORDINATE STOCKPILING. ASPHALT PAVEMENT AND BASE SHALL BE DISPOSED OF BY THE CONTRACTOR. COSTS OF HAULING THIS MATERIAL IS CONSIDERED INCIDENTAL TO THE PROJECT.
17. EXISTING MEDIAN CURB AND GUTTER AND STANDARD CURB AND GUTTER, NOT DISTURBED BY CONTRACTOR, BUT OUT OF ALIGNMENT, DISPLACED VERTICALLY, BADLY BROKEN AND/OR DETERIORATED, WILL BE REPLACED AS DIRECTED BY THE FIELD ENGINEER AND PAID FOR AT CONTRACT UNIT PRICES.
18. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DISTURBING EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.
19. ALL REFERENCE TO CITY STANDARD DRAWINGS WILL BE PER CITY OF ALBUQUERQUE CONTRACT DOCUMENTS FOR PUBLIC WORKS CONTRACT NO. 84-1.
20. THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS DIVISION OF THE WATER RESOURCES DEPARTMENT AT LEAST THREE WORKING DAYS IN ADVANCE OF ANY DAY FIRE HYDRANTS WILL BE TAKEN OUT OF AND RETURNED TO SERVICE.
21. MATCH FLOWLINES OF GUTTERS WHEN CONNECTING NEW CURB AND GUTTER TO EXISTING.
22. THE REMOVAL AND REPLACEMENT OF PRIVATE SIGNS AND OBSTRUCTIONS SHALL BE BY THE RESPECTIVE PROPERTY OWNERS UNLESS OTHERWISE NOTED. COORDINATION SHALL BE THE RESPONSIBILITY OF THE PROJECT ENGINEER.
23. ALL TRAFFIC CONTROL DEVICES REQUIRED FOR DRIVEWAY CLOSURES, UTILITY CONSTRUCTION OR FOR OTHER REASONS AND NOT SHOWN ON SIGNING PLANS SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL BE INCIDENTAL TO OTHER ITEMS OF WORK AND NO SEPARATE PAYMENT SHALL BE MADE. PRIOR TO PLACING THE TRAFFIC CONTROL DEVICES, THE CONTRACTOR SHALL NOTIFY THE AFFECTED OWNERS IN ACCORDANCE WITH SUBPARAGRAPH 6.20-3 OF THE SUPPLEMENTAL GENERAL CONDITIONS.
24. THE CONTRACTOR SHALL CONSTRUCT SPECIFIED UTILITY WORK FIRST AND SHALL BACKFILL AND TEMPORARILY PAVE ALL TRENCHES AND EXCAVATION AREAS PRIOR TO BEGINNING CONCRETE ROADWAY CONSTRUCTION.
25. ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE ENGINEER.
26. PROJECT SHALL BE COMPLETED AS QUICKLY AS POSSIBLE BOTH WITHIN EACH CONSTRUCTION PHASE AND IN OVERALL CONSTRUCTION TIME ALLOWED.
27. FLOWABLE P.C.C. - FLYASH CONCRETE SHALL BE USED FOR ALL PHASES FOR ROADWAY, C&G PAVEMENT IN ACCORDANCE WITH SECTION 338 OF THE SPECIFICATIONS. NO P.C.C. CONCRETE MIXTURE SHALL CONTAIN LESS THAN 6 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE.

1 2 3 4 5 6 7 8 9 10 11 2 6 1 8 7 1 0 2 8 5 RECORD DRAWING Date <u>MAY 3 1985</u> These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.										ENGINEER'S SEAL  <i>L. H. HERRINGTON</i>										SURVEY INFORMATION <table border="1"> <tr> <th colspan="2">FIELD NOTES</th> </tr> <tr> <td>NO.</td> <td>BY</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>										FIELD NOTES		NO.	BY																			BENCH MARKS										AS BUILT INFORMATION <table border="1"> <tr> <td>CONTRACTOR</td> <td> </td> </tr> <tr> <td>WORKED BY</td> <td> </td> </tr> <tr> <td>DATE</td> <td> </td> </tr> <tr> <td>INSPECTOR'S</td> <td> </td> </tr> <tr> <td>ACCEPTANCE BY</td> <td> </td> </tr> <tr> <td>DATE</td> <td> </td> </tr> <tr> <td>VERIFICATION BY</td> <td> </td> </tr> <tr> <td>DATE</td> <td> </td> </tr> <tr> <td>DRAWINGS</td> <td> </td> </tr> <tr> <td>SCHEMATIC BY</td> <td> </td> </tr> <tr> <td>DATE</td> <td> </td> </tr> <tr> <td colspan="2">MICRO-FILM INFORMATION</td> </tr> <tr> <td>RECORDED BY</td> <td> </td> </tr> <tr> <td>DATE</td> <td> </td> </tr> <tr> <td>NO.</td> <td> </td> </tr> </table>										CONTRACTOR		WORKED BY		DATE		INSPECTOR'S		ACCEPTANCE BY		DATE		VERIFICATION BY		DATE		DRAWINGS		SCHEMATIC BY		DATE		MICRO-FILM INFORMATION		RECORDED BY		DATE		NO.	
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DRAWING NO. 1871										MAP NO.										SHEET 2 OF 24																																																																																	



NOTE

- THE CONTRACTOR SHALL INCLUDE THE INSTALLATION OF TRAFFIC SIGNALIZATION FOUNDATIONS, PULL BOXES, AND CONDUIT IN EACH PHASE OF PAVEMENT CONSTRUCTION.
- SEE SHEET 10, 11, 12, & 13 FOR OTHER UTILITY LOCATIONS.
- SEE SHEETS 23 AND 24 FOR PAVING AND INSTALLATION DETAILS.

AS BUILT - IN CHARGE

Albuquerque City Survey Control Station 4-114, a square 12' chiseled on top of the concrete curb at the SSE curb return at the intersection of 4th St. and Menaul Blvd. NW. Elev. = 4965.48

ENGINEER'S SEAL

SURVEY INFORMATION

FIELD NOTES

DATE

BY

NO.

ACTUAL CONSTRUCTION SEQUENCE

1	-	PHASE 3
2	-	PHASES 2 & 4
3	-	PHASES 5 & 1W
4	-	PHASE 1E

CITY OF ALBUQUERQUE

TRANSPORTATION DEPARTMENT

TITLE: INTERSECTION RECONSTRUCTION 4TH STREET AND MENAUL BLVD. N.W. CONSTRUCTION PHASING & TRAFFIC SIGNALIZATION LAYOUT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	4/20/84	Liquid Waste	R. Pina	4/20/84
A.C.E. Design	<i>[Signature]</i>	6/20/84	Traffic	Danilo H. H...	6/20/84
A.C.E. Hydrology	<i>[Signature]</i>	6/20/84	Water	R. Pina	6/20/84

DRAWING NO 1871 **MAP NO** H-14 **SHEET** 3 **OF** 24

RECORD DRAWING

DATE MAY 3 1985

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

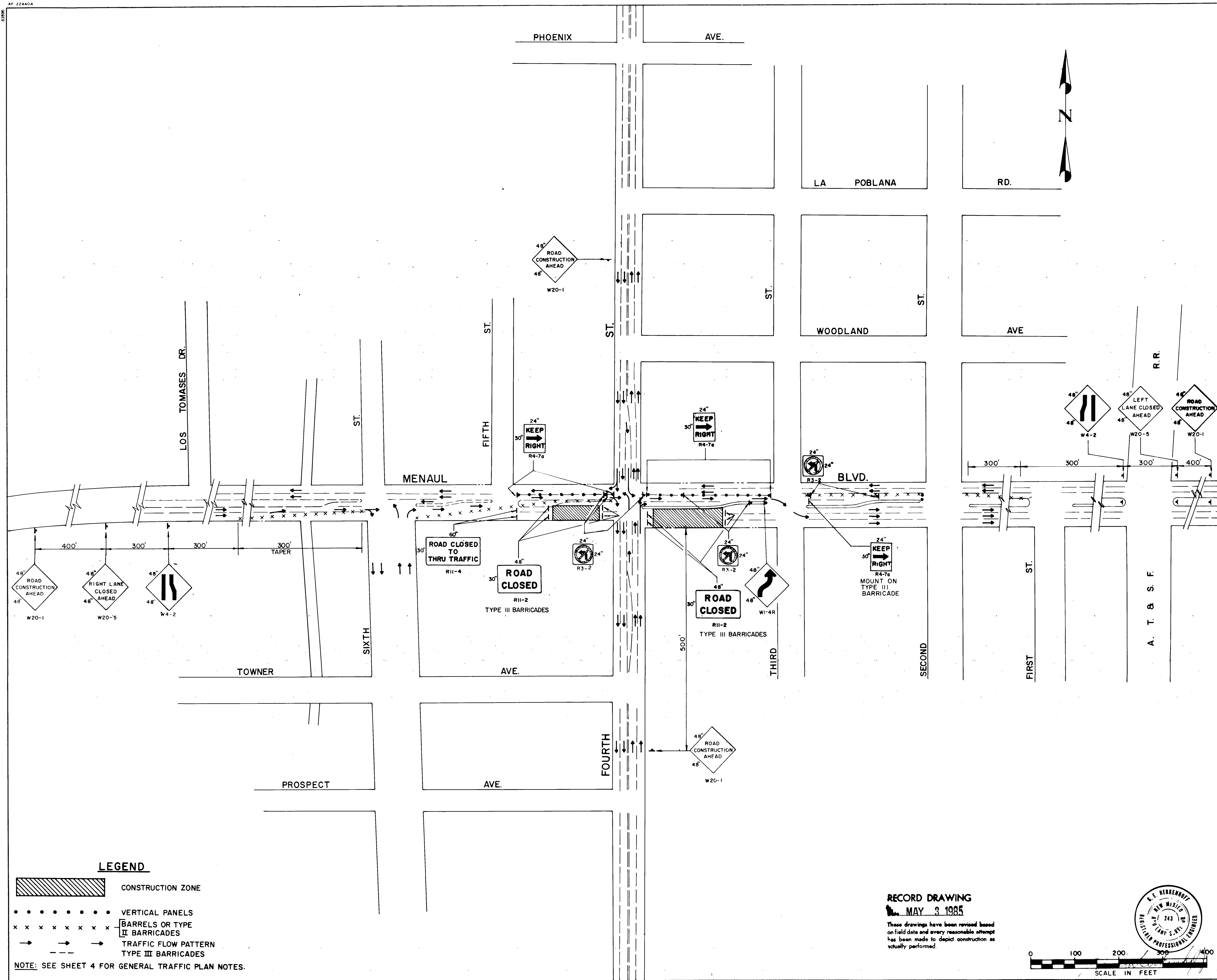
[Signature]

-
- LEGEND**
- CONSTRUCTION ZONE
 - VERTICAL PANELS
 - BARRELS OR TYPE II BARRICADES
 - TRAFFIC FLOW PATTERN
 - TYPE III BARRICADES
- SCALE IN FEET**
- 0 100 200 300 400
- Diagram Details:**
- Streets:** LOS TOMASES DR., FIFTH ST., MENAUL AVE., TOWNER AVE., PROSPECT AVE., FOURTH AVE., THIRD ST., SECOND ST., FIRST ST., BROADWAY.
 - Construction Zone:** Located between FIFTH ST. and THIRD ST. on MENAUL AVE.
 - Signs:**
 - W20-1: ROAD CONSTRUCTION AHEAD
 - W20-5: LEFT LANE CLOSED AHEAD
 - W4-2: RIGHT LANE CLOSED AHEAD
 - W13-1: 25 M.P.H.
 - R4-7a: KEEP RIGHT
 - R3-2: NO LEFT TURN
 - R11-2: ROAD CLOSED TO THRU TRAFFIC
 - W1-4R: RIGHT TURN AHEAD
 - W1-4L: LEFT TURN AHEAD
 - W4-2: RIGHT LANE CLOSED AHEAD
 - W20-5: LEFT LANE CLOSED AHEAD
 - Barriers:** Type II and III barricades are used to delineate the construction zone and traffic flow.
 - Taper:** A 300' taper is shown for the construction zone.
 - Scale:** The scale bar indicates distances in feet (0, 100, 200, 300, 400).

DRAWING NO. 1871	MAP NO. H-14	SHEET 4 OF 24
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ENGINEER'S SEAL	SURVEY INFORMATION		BENCH MARKS	AS BUILT INFORMATION	
	NO.	FIELD NOTES BY DATE		CONTRACTOR	DATE
			Albuquerque City Survey Control Station 4-114, a square, ☒ chiseled on the top of concrete curb at SSE curb return at the intersection of 4th St. and Menaul Blvd. NW. Elev. = 4965.43	WORK MANAGED BY INSPECTOR'S ACCEPTANCE BY FIELD VERIFICATION BY DRAWINGS CORRECTED BY	DATE DATE DATE DATE DATE DATE
				MICRO-FILM	RECORDED BY DATE
					NO

DESIGN			
DESIGNED BY <i>RDM</i>		DATE	<i>JAN. 1984</i>
DRAWN BY <i>KK</i>		DATE	<i>JAN 1984</i>
CHECKED BY <i>CD</i>		DATE	<i>JAN. 1984</i>
		REMARKS	BY



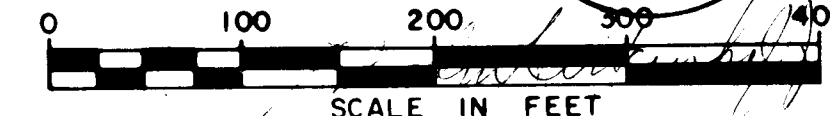
LEGEND

- CONSTRUCTION ZONE
- VERTICAL PANELS
- BARRELS OR TYPE II BARRICADES
- TRAFFIC FLOW PATTERN
- TYPE III BARRICADES

NOTE: SEE SHEET 4 FOR GENERAL TRAFFIC PLAN NOTES.

RECORD DRAWING
MAY 3 1985

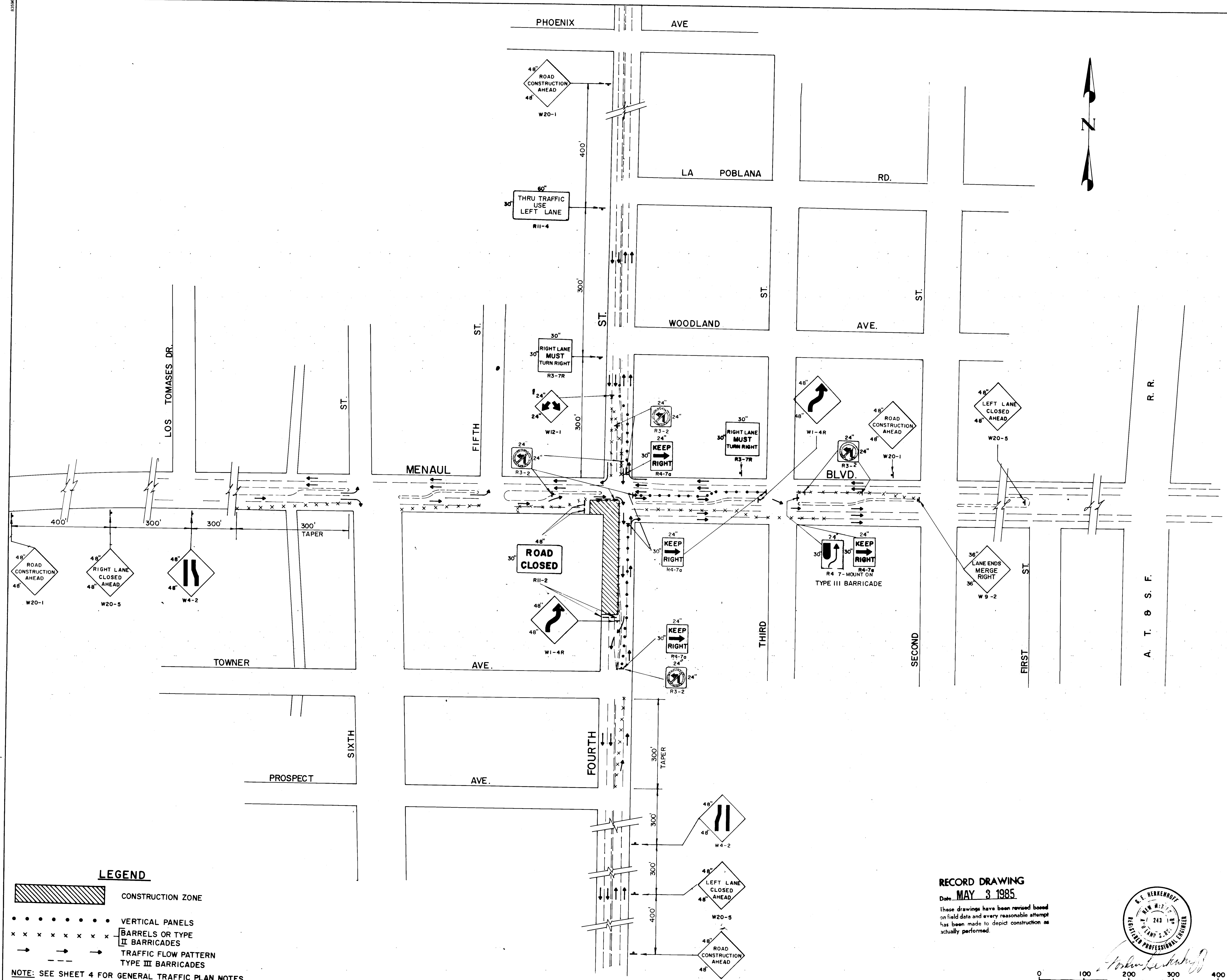
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.



26 18710585

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT					
TITLE: INTERSECTION RECONSTRUCTION 4TH STREET AND MENAUL BLVD. NW. TRAFFIC CONTROL PLAN PHASE 2					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	6/15/84	Liquid Waste	<i>[Signature]</i>	6/20/84
A.C.E. - Design	<i>[Signature]</i>	6/20/84	Traffic	<i>[Signature]</i>	6/20/84
A.C.E. - Hydrology	<i>[Signature]</i>	6/20/84	Water	<i>[Signature]</i>	6/20/84
DRAWING NO. 1871			MAP NO. H-14		
SHEET 5 OF 24					

BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		AS BUILT INFORMATION	
ALBUQUERQUE CITY SURVEY CONTROL STATION	4-H14, a square 12" chiseled on top of the concrete curb at the SE corner of the intersection of 4th St and Menaul Blvd. NW. Elev. = 4925.48	NO.	DATE			DATE	DATE
REMARKS	DESIGN	NO.	DATE	BY	DATE	RECORDED BY	DATE
DESIGNED BY RDM	DATE JAN 1984						
DRAWN BY JLB	DATE JAN 1984						
CHECKED BY CD	DATE JAN 1984						



LEGEND

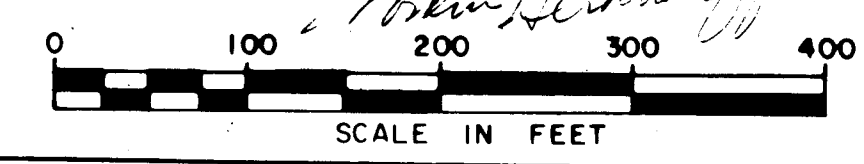
- CONSTRUCTION ZONE
- VERTICAL PANELS
- BARRELS OR TYPE II BARRICADES
- TRAFFIC FLOW PATTERN
- TYPE III BARRICADES

NOTE: SEE SHEET 4 FOR GENERAL TRAFFIC PLAN NOTES.

RECORD DRAWING

Date MAY 3 1985

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



26 118710685

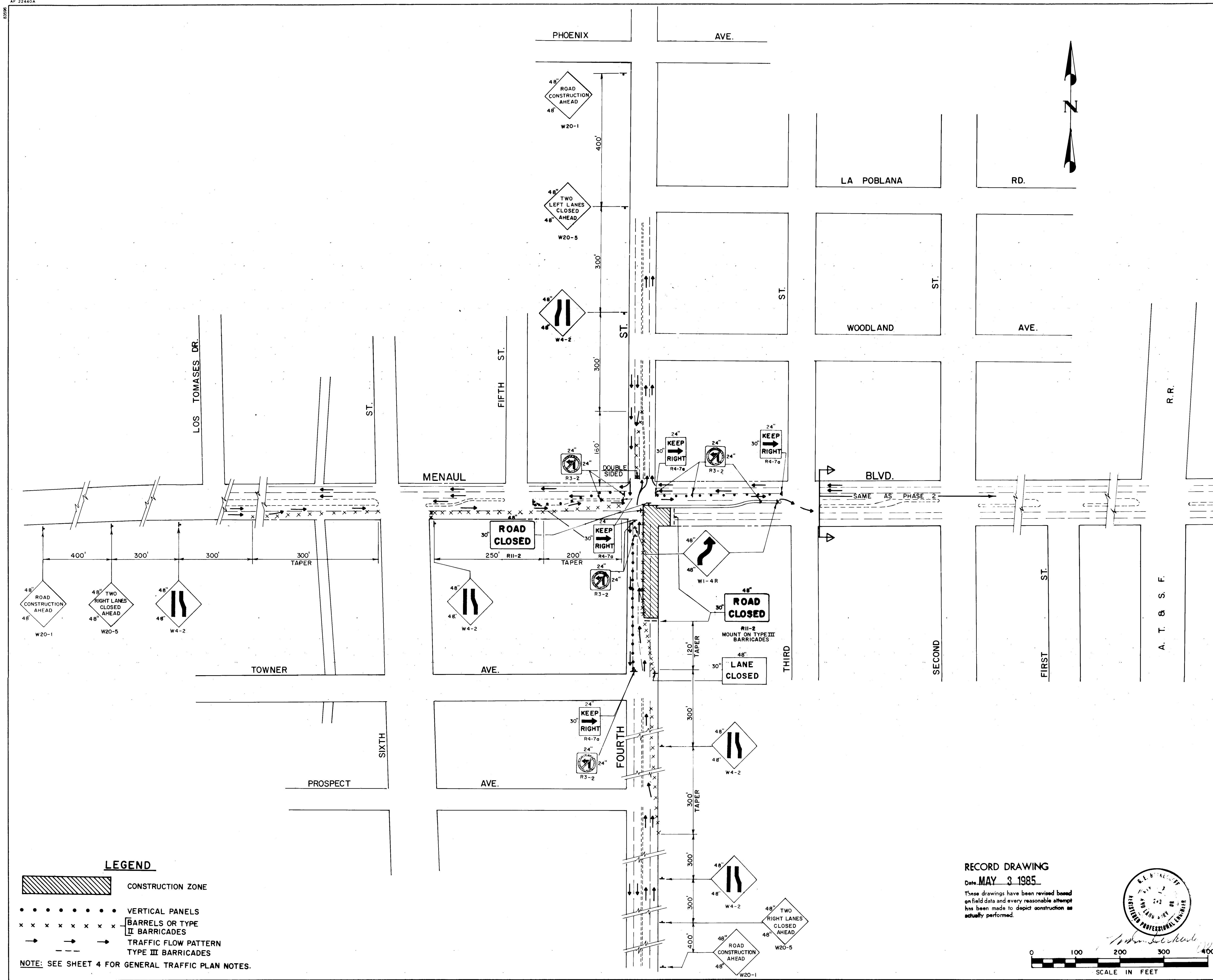
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: INTERSECTION RECONSTRUCTION
4TH STREET AND MENAUL BLVD. N.W.
TRAFFIC CONTROL PLAN PHASE 3

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	6/25/84	Liquid Waste	<i>[Signature]</i>	6/25/84
A.C.E. - Design	<i>[Signature]</i>	6/25/84	Traffic	<i>[Signature]</i>	6/25/84
A.C.E. - Hydrology	<i>[Signature]</i>	6/25/84	Water	<i>[Signature]</i>	6/25/84

DRAWING NO. 1871 MAP NO. H-14 SHEET 6 OF 24

ENGINEER'S SEAL			SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
NO.	DATE	REMARKS	NO.	DATE	BY	ALBUQUERQUE CITY SURVEY CONTROL STATION	CONTRACTOR	DATE	CONTRACTOR	DATE	NO.
						4-H14, a square, 1/4, chiseled on top of the concrete curb at the SSE curb return at the intersection of 4th St. and Menaul Blvd. NW. Elev. = 4965.48					
DESIGNED BY	DATE	REVISIONS	DESIGNED BY	DATE	REVISIONS						
DESIGNED BY RDM	DATE JAN 1984	DESIGN	DESIGNED BY RDM	DATE JAN 1984	DESIGN						
DRAWN BY JLB	DATE JAN 1984		DRAWN BY JLB	DATE JAN 1984							
CHECKED BY CD	DATE JAN 1984		CHECKED BY CD	DATE JAN 1984							



CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT			
TITLE: INTERSECTION RECONSTRUCTION 4TH STREET AND MENAUL BLVD. NW. TRAFFIC CONTROL PLAN PHASE 4			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>[Signature]</i>	6/20/84	Liquid Waste
A.C.E. - Design	<i>[Signature]</i>	6/20/84	Traffic
A.C.E. - Hydrology	<i>[Signature]</i>	6/20/84	Water

DESIGNED BY		DATE	
RDM	JAN 1984		

DRAWN BY		DATE	
LAB	JAN 1984		

CHECKED BY		DATE	
C.D.	JAN 1984		

REVISIONS	
NO.	DATE

REMARKS	

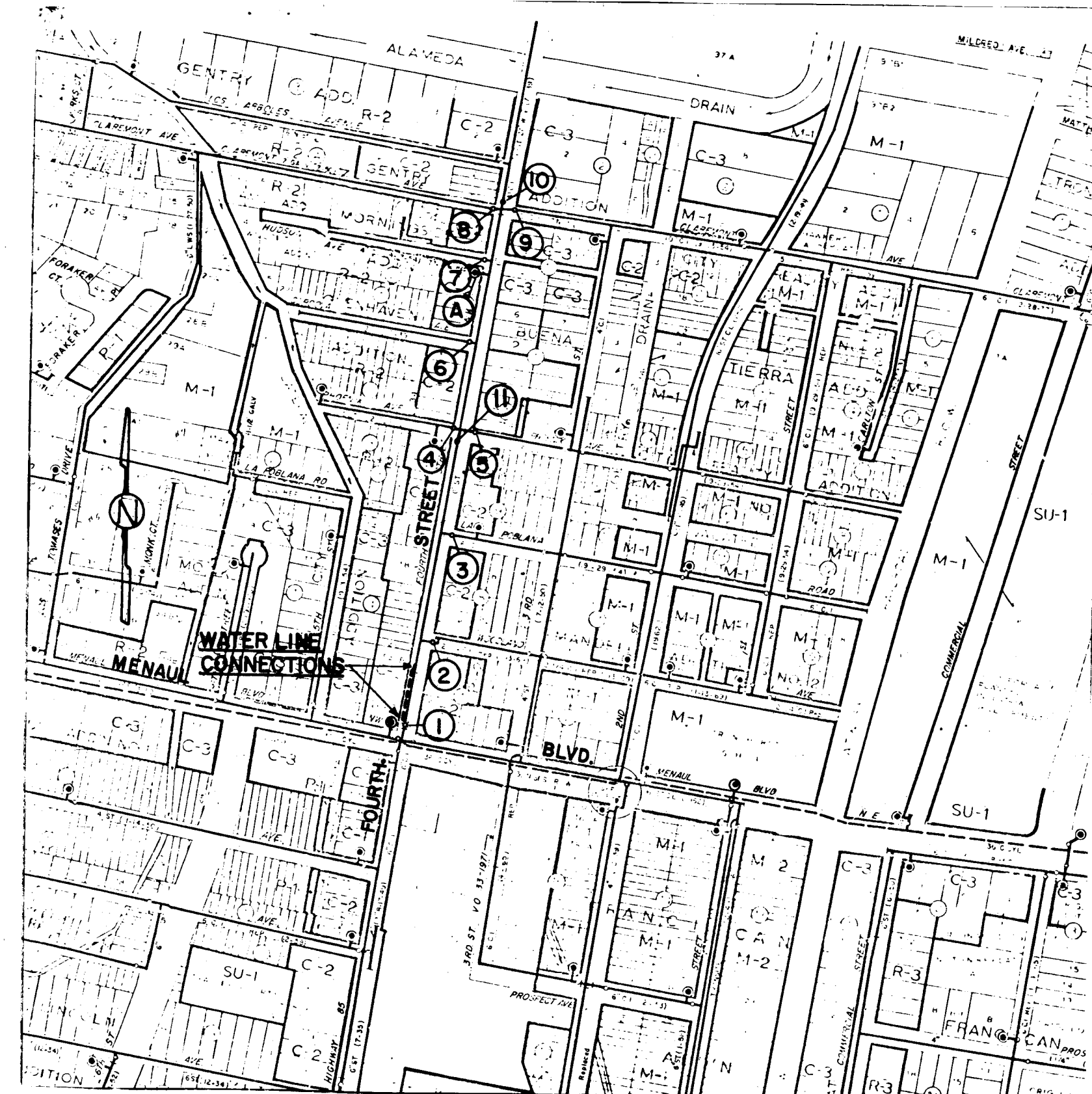
ENGINEER'S SEAL	

SURVEY INFORMATION	
NO.	BY

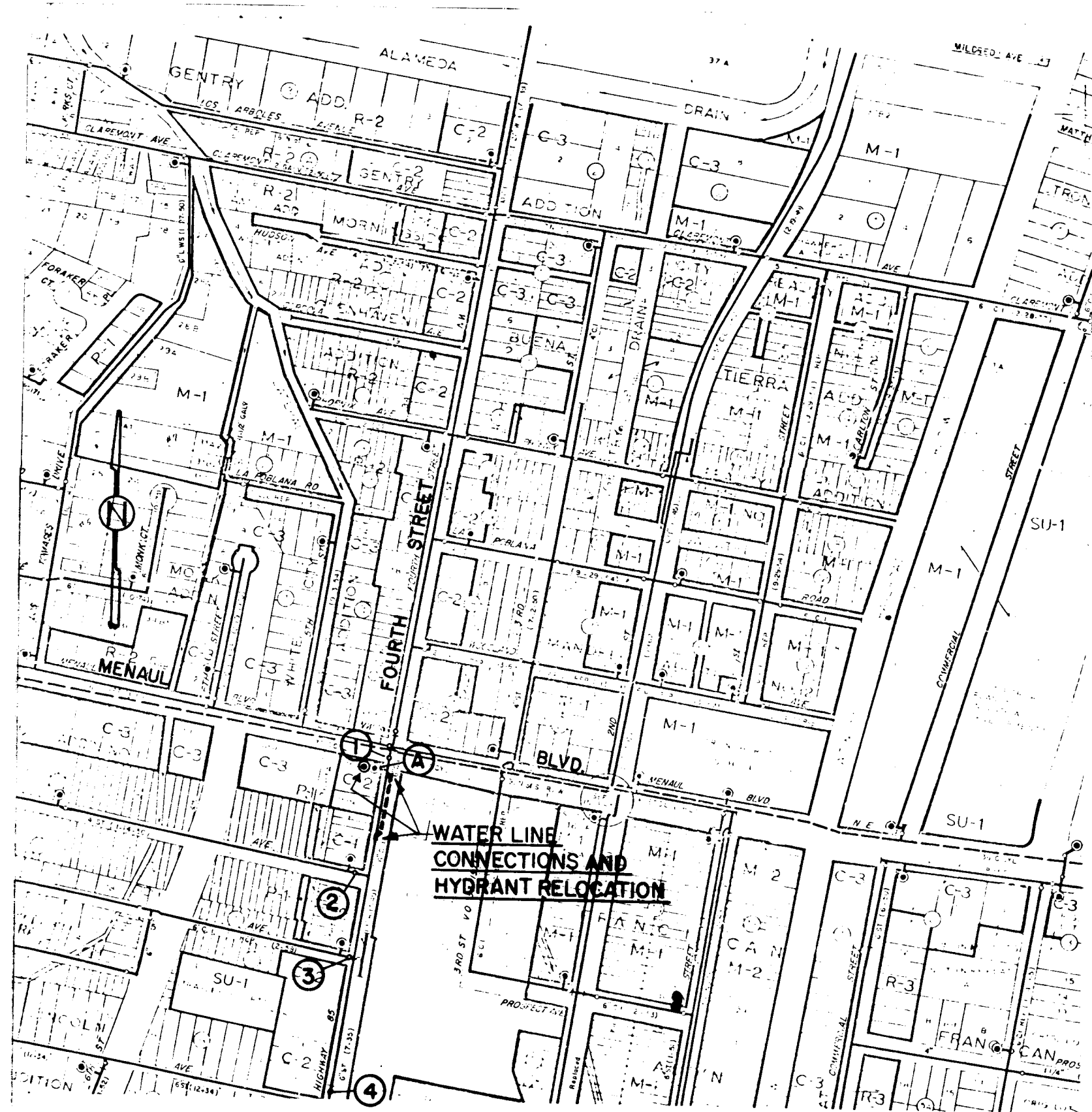
BENCH MARKS	
Albuquerque City Survey Control Station 4-H19, a square, chiseled on top of the concrete curb at the SSE curb return at the intersection of 4th St. and Menaul Blvd NW. Elev. = 4965.48	

AS BUILT INFORMATION	
CONTRACTOR	
INSPECTOR	
DATE	

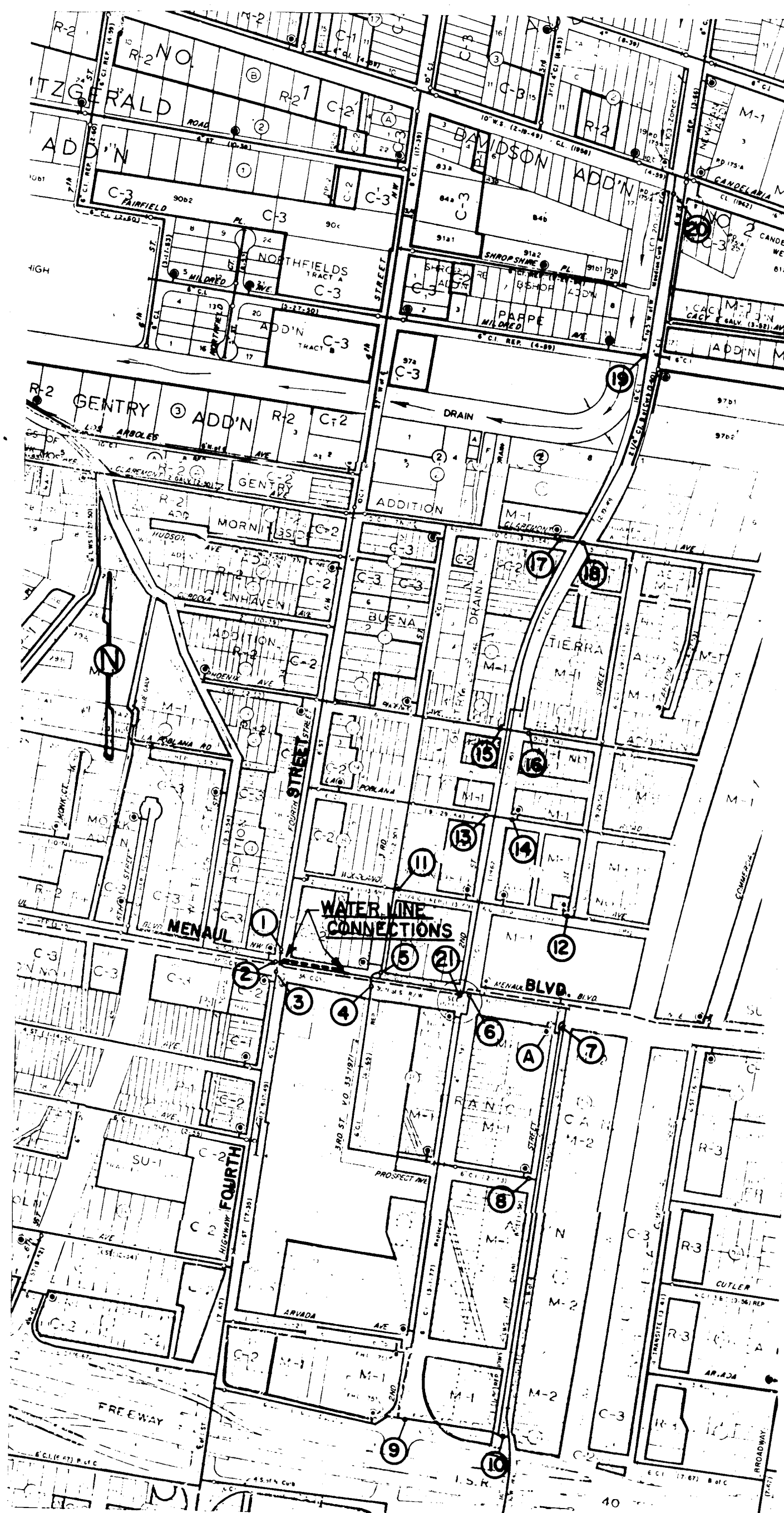
MICRO-FILM INFORMATION	
RECORDED BY	
NO.	
DATE	



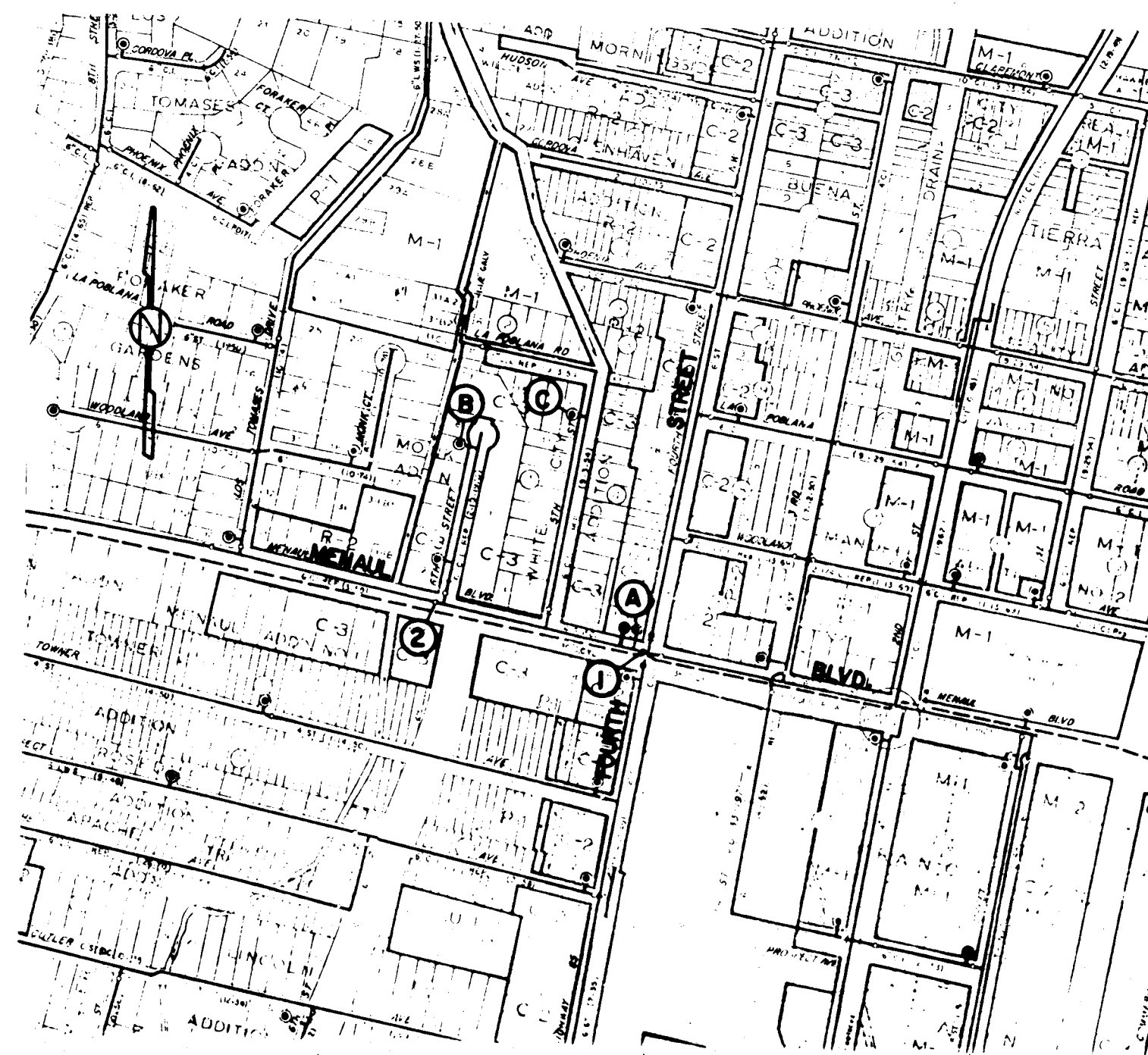
FOURTH STREET N.W. (NORTH OF MENAUL)
INSTALL 6" VALVE NO. 11 (SEE SHEET 12) CLOSE VALVES NO. 1 THROUGH 3 AND 11. RELIEVE PRESSURE AT FIRE HYDRANT 'A'. MAKE TWO CONNECTIONS AS SHOWN ON SHEET NO. 12 AND 13. OPEN VALVES NO. 1, 2, 3 AND 11. BLEED OFF AIR AT HYDRANT 'A'. MAXIMUM OUTAGE FOUR (4) HOURS.



FOURTH STREET N.W. (SOUTH OF MENAUL)
CLOSE VALVES NO. 1 THRU NO. 4. RELIEVE PRESSURE AT FIRE HYDRANT 'A'. MAKE TWO WATER LINE CONNECTIONS AS SHOWN ON SHEET NO. 13. DISCONNECT HYDRANT 'A'. INSTALL 8 FEET OF HYDRANT 'A' WATER LINE EXTENSION AND RECONNECT HYDRANT 'A'. OPEN VALVES NO. 1 THRU NO. 4. BLEED OFF AIR AT HYDRANT 'A'. MAXIMUM OUTAGE FOUR (4) HOURS.



MENAUL BLVD N.W. (EAST OF FOURTH STREET)
INSTALL 10" VALVE NO. 21 (SEE SHEET 11) CLOSE VALVES NO. 1 THROUGH 5 AND 21. RELIEVE PRESSURE AT FIRE HYDRANT 'A'. MAKE TWO CONNECTIONS AS SHOWN ON SHEET NO. 10 AND 11. OPEN VALVES NO. 1 THROUGH 5 AND 21. BLEED OFF AIR AT HYDRANT 'A'. MAXIMUM OUTAGE FOUR (4) HOURS.



MENAUL BLVD N.W. (WEST OF FOURTH STREET)
CLOSE VALVES NO. 1 AND 2. RELIEVE PRESSURE AT FIRE HYDRANT 'A'. REMOVE HYDRANT 'A' AND CAP 6" TEE. INSTALL NEW TEE AND PIPE WEST TO EXISTING TEE AND MOVE HYDRANT FROM EXISTING LOCATION TO NEW TEE. OPEN VALVES 1 AND 2. BLEED AIR AT HYDRANTS B AND C. MAXIMUM OUTAGE FOUR (4) HOURS.

GENERAL NOTES:

1. WATER SHUT-OFF PLANS SHOWN ARE FROM THE CITY OF ALBUQUERQUE WATER RECORD MAPS AND ARE PROVIDED FOR THE PURPOSE OF COORDINATING WATER VALVE CLOSURES WITH NEW WATER LINE CONNECTIONS. OPERATION OF THE EXISTING WATER SYSTEM SHALL BE IN ACCORDANCE WITH SECTION 18 OF THE SUPPLEMENTAL GENERAL CONDITIONS WHICH SHALL TAKE PRECEDENCE OVER THESE PLANS.
2. WATER SHUT-OFFS FOR CONNECTIONS SHALL NOT EXCEED FOUR (4) HOURS.
3. THE CONTRACTOR SHALL CONTACT CITY LINE MAINTENANCE AND THE FIRE DEPARTMENT PRIOR TO ANY AND ALL WATER LINE SHUT-OFFS. THE CONTRACTOR MAY ELECT TO MAKE WATER LINE CONNECTIONS AND FIRE HYDRANT RELOCATIONS DURING NON-BUSINESS HOURS.

RECORD DRAWING

Date MAY 3 1985

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



26 18710985

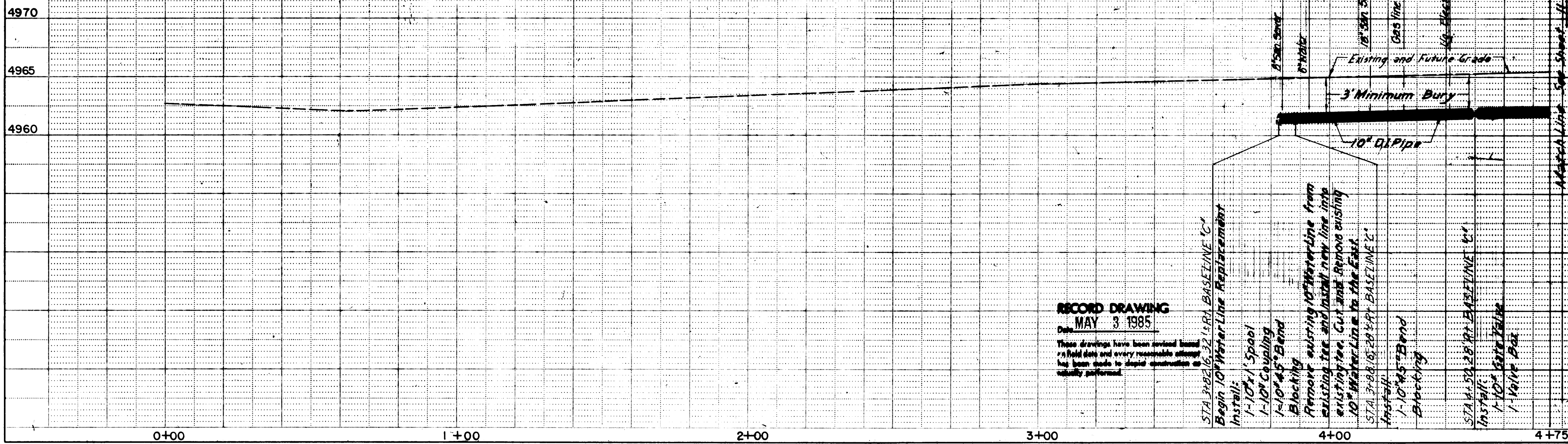
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: INTERSECTION RECONSTRUCTION
4TH STREET AND MENAUL BLVD. N.W.
WATER VALVE SHUT OFF PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	6/20/84	Liquid Waste	<i>[Signature]</i>	6/20/84
A.C.E. - Design	<i>[Signature]</i>	6/20/84	Traffic	<i>[Signature]</i>	6/20/84
A.C.E. - Hydrology	<i>[Signature]</i>	6/20/84	Water	<i>[Signature]</i>	6/20/84

DRAWING NO. 1871 MAP NO. H-14 SHEET 9 OF 24

BENCH MARKS			AS BUILT INFORMATION		
Albuquerque City Survey Control Station 4-H-14, a square 12' chiseled on the top of concrete curb at SSE curb return at the intersection of 4th St and Menaul Blvd NW Elev. = 4965.45			CONTRACTOR	DATE	
NO.	DATE		WORK	DATE	
BY			INSPECTED BY	DATE	
			ACCEPTANCE BY	DATE	
			FIELD	DATE	
			REVISIONS	DATE	
			DESIGNED BY RDM	DATE JAN 1984	
			DRAWN BY LAB	DATE JAN 1984	
			CHECKED BY CD	DATE JAN 1984	
			RECORDED BY	DATE	
			NO		



1. Contractor shall transfer all existing water services from the abandoned waterline to the new waterline. If service lines need to be extended the Contractor shall match type and size of existing service
2. The installation of the storm drain improvements may be incorporated into the paving phases of the project.
Relocate street light by Others
STA. 4+59.75, 3' R/L BASELINE "C"
Install: new 18" Storm Drain Line
Inn. Elev. = 62.20
See Sheet 16 for C.B. Data
STA. 4+43, 3' R/L BASELINE "C"
Remove Existing Single "C" Catch Basin and 12" S.D.

Remove L.P. Base (after relocation
by PNM)
Relocated Street light - by Others

STA. 4+59.13, 20.2' Lt BASELINE "D"
Existing Double "D" Catch Basin
and 18" Storm Drain Line to be
removed.

Sta 4120-11' L.F. @ "A"	Sta 4120-35' L.F. @ "A"
Rim El. = 65.13	Rim El. = 65.45
18" E. Inv. El. = 57.63	21" E. Inv. El. = 56.45
18" W. Inv. El. = 57.63	18" W. Inv. El. = 56.65
Inv. El. =	36 S. Inv. El. = 55.90
Inv. El. =	Inv. El. =

Sta 41974-425' L. 4%
 Kim El. = 65.41
 18" N. Inv. El. = 52.91
 18" S. Inv. El. = 53.07
 15" E. Inv. El. = 53.14
 Inv. El. =

Sta. 414939-30.1' Lt. Q "A"	Sta. 416920-30.5' Lt. Q "A"
Rim El. = 65.35	Rim El. = 65.29
36" N. Inv. El. = 56.85	36" S. Inv. El. = 56.84
Inv. El. =	18" N. Inv. El. = 60.89
Inv. El. =	Inv. El. =
Inv. El. =	Inv. El. =

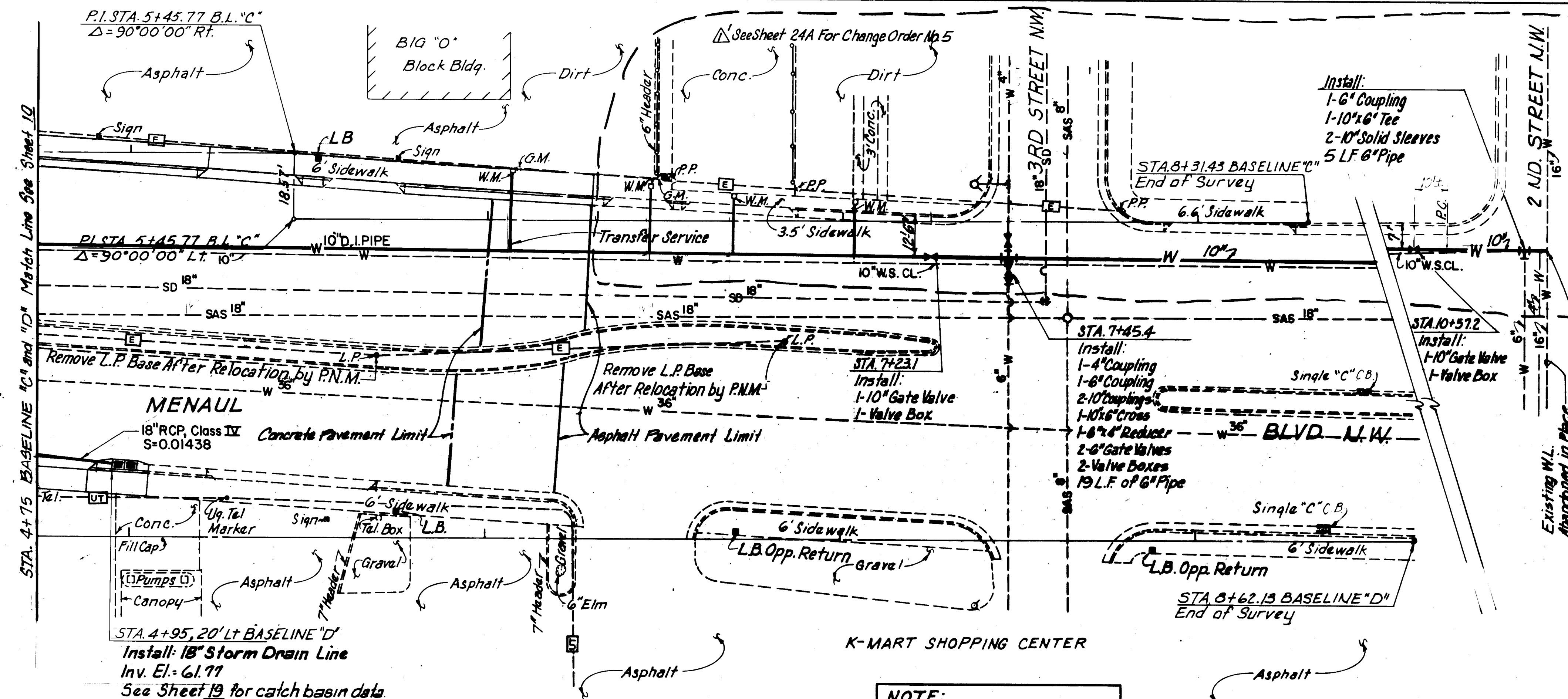
Sta 0186.1 - 36° RT. at C	Sta 0190.5 - 92 RT. at C
Rim El. = 62.63	Rim El. =
8° N. Inv. El. = 55.68	12° NE. Inv. El. = 50.38
8° W. Inv. El. = 56.60	10° E. Inv. El. = 57.79
8° E. Inv. El. = 56.60	18° SW Inv. El. = 58.91
Inv. El.:	12° N.W. Inv. El. = 59.16



TITLE: INTERSECTION RECONSTRUCTION
MENARD BLVD. N.W.
UTILITY PLAN AND PROFILE
STA. 0+0000 TO STA 4+75.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>EB</i>	6/20/84	Liquid Waste	<i>R. Pava</i>	6/20/84
A.C.E.-Design	<i>H. P. Olson</i>	6/20/84	Traffic	<i>NADWH</i>	6/20/84
A.C.E.-Hydrology	<i>Jim Zisch</i>	6/20/84	Water	<i>R. Pava</i>	6/20/84

DRAWING NO.	1871	MAP NO.	H-14	SHEET 10 OF 24
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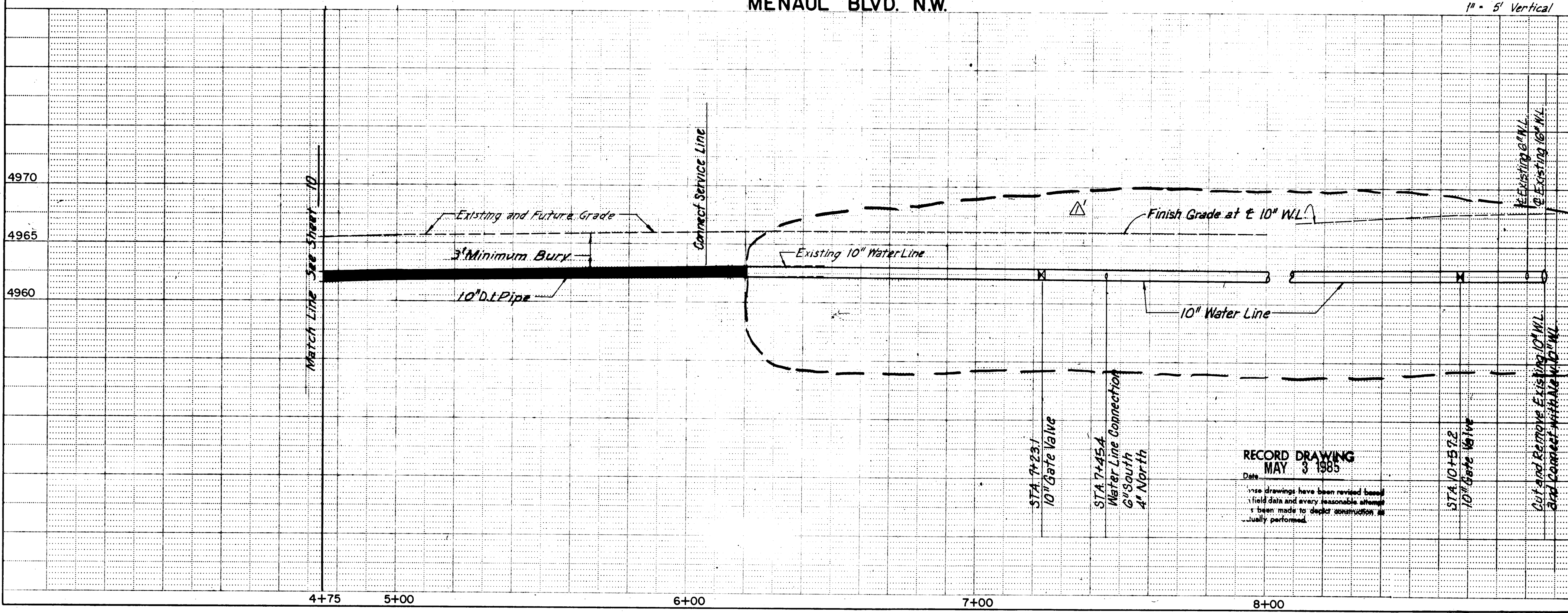


- NOTES:
1. Contractor shall transfer all existing water services from the abandoned waterline to the new waterline. If service lines need to be extended the Contractor shall match type and size of existing service.
 2. The installation of the storm drain improvements may be incorporated into the paving phases of the project.
 3. Contractor to install Light Bases at location labeled "L.B." for Street Lights. See detail sheet 24. Relocated Street lights to be reinstalled by P.N.M.
- Cut and Remove Existing 10" W.L. and Connect with New 10" W.L.

SCALES

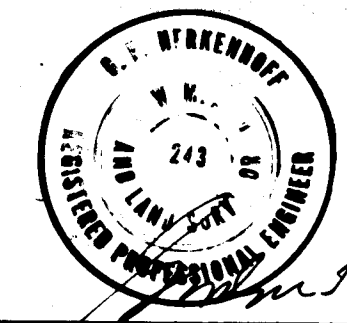
1" = 20' Horizontal	1" = 5' Vertical
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Sta. 7+56.63-22' R/L B.C. Sta. 7+61.33-26.9' R/L B.C.
Rim El. = 65.96 Rim El. = 65.92
18" N. Inv. El. = 58.16 10" S. Inv. El. = 54.87
18" W. Inv. El. = 58.06 10" N. Inv. El. = 54.32
12" E.S.E. Inv. El. = 61.16



RECORD DRAWING
MAY 3 1985

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



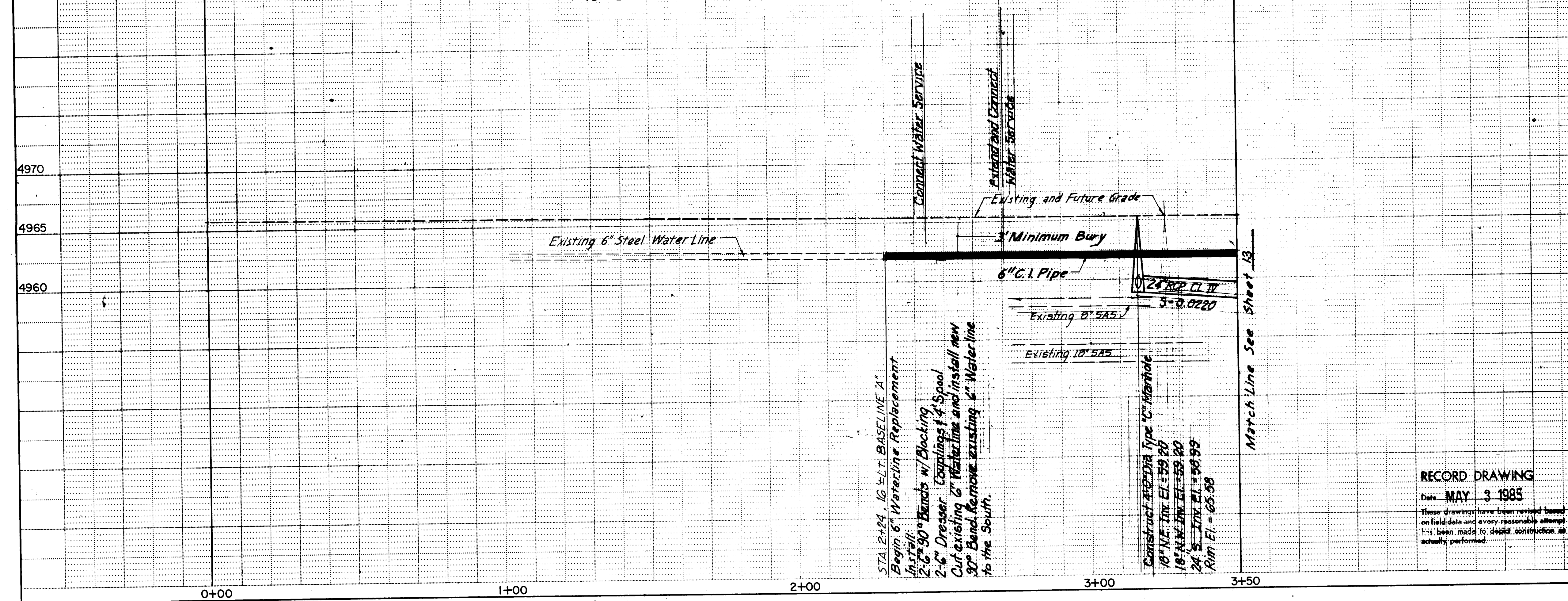
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: INTERSECTION RECONSTRUCTION
MENAU BLVD. N.W.
UTILITY PLAN AND PROFILE
STA. 4+75.00 TO STA. 8+62.13

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	RBG	6/20/84	Liquid Waste	R. Pava	6/20/84
A.C.E. - Design	Jim Zuck	6/20/84	Traffic	NA D.H.	6/20/84
A.C.E. - Hydrology	Jim Zuck	6/20/84	Water	R. Pava	6/20/84

DESIGNED BY RBG DATE Jan. 1984
DRAWN BY KHK DATE Jan. 1984
CHECKED BY CD DATE Jan. 1984

DRAWING NO. 1871 MAP NO. H-14 SHEET 11 OF 24



1. Contractor shall transfer all existing water services from the abandoned waterline to the new waterline. If service lines need to be extended the Contractor shall match type and size of existing service

1" = 20' Horizontal
1" = 5' Vertical

Rim El.= 65.54	Rim El.= 65.58
18" N. Inv. El.= 53.59	8" N. Inv. El.= 57.88
18" S. Inv. El.= 53.45	8" S. Inv. El.= 57.89
8" E. Inv. El.= 54.40	

Date MAY 3 1985

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

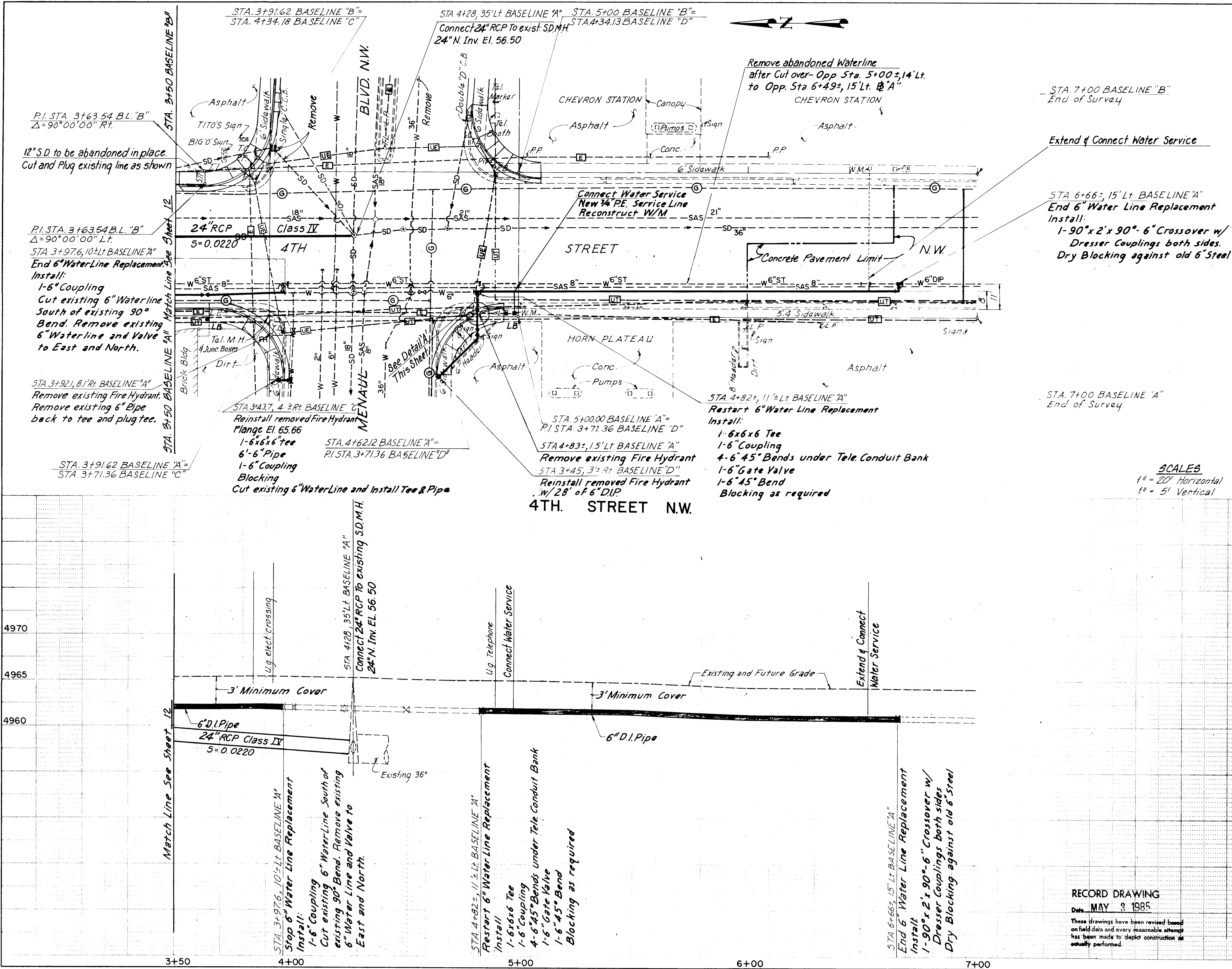
TITLE: INTERSECTION RECONSTRUCTION
4TH STREET N.W.
UTILITY PLAN AND PROFILE
STA. 0+00.00 TO STA. 3+50.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>EB</i>	6/25/84	Liquid Waste	<i>R. Peña</i>	6/20/84
A.C.E - Design	<i>M. Peña</i>	6/20/84	Traffic	<i>W. D. H.</i>	6/20/84
A.C.E - Hydrology	<i>M. Peña</i>	6/20/84	Water	<i>R. Peña</i>	6/20/84

DRAWING NO.	1871
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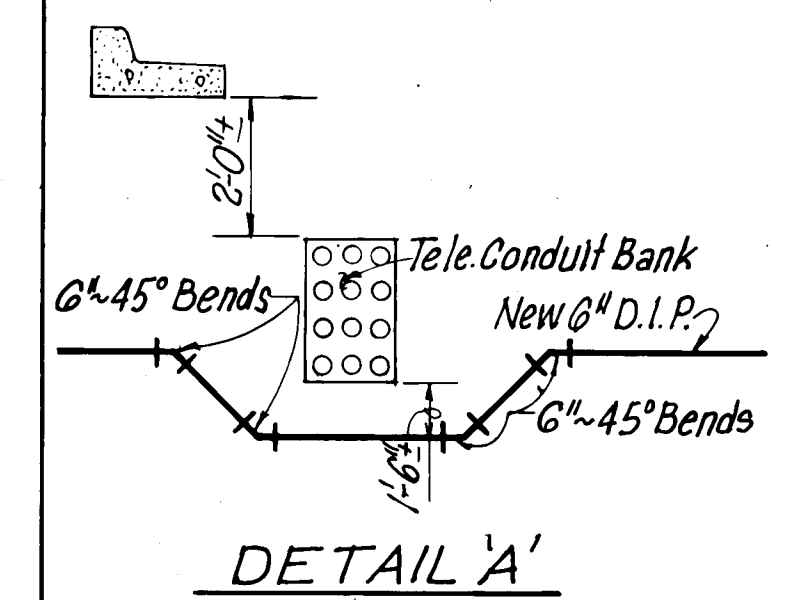
MAP NO.	H-14
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SHEET 12 OF 24



NOTE:

- Contractor shall transfer all existing water services from the abandoned waterline to the new waterline. If service lines need to be extended the Contractor shall match type and size of existing service.
- Contractor to install Light Bases at location labeled "LB" for Street Lights. See detail Sheet 24. Relocate street light to be reinstalled by P.N.M.

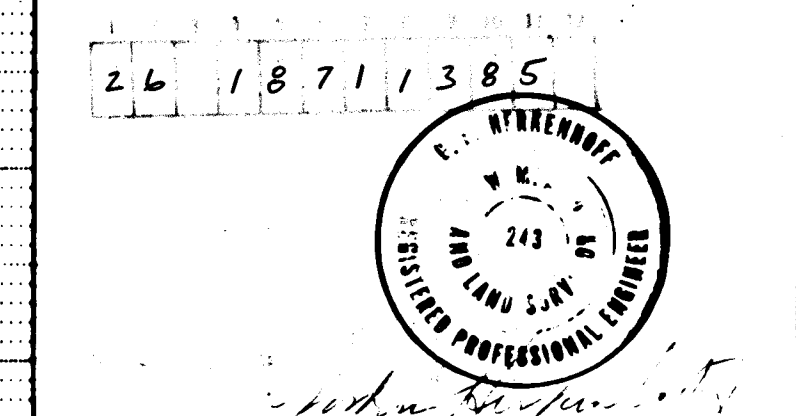


STATION	LINE	TYPE	INVERT	REMARKS
Sta 4+28-11' t.d. "A"	Rim El.	65.13		
18" E. Inv. El.	57.63			
18" W. Inv. El.	57.63			
Inv. El.	57.63			
Sta 4+28-35' t.d. "A"	Rim El.	65.45		
36" S. Inv. El.	55.90			
18" W. Inv. El.	56.65			
Inv. El.	56.45			
Inv. El.	56.45			

STATION	LINE	TYPE	INVERT	REMARKS
Sta 4+374-42.5' t.d. "A"	Rim El.	65.41		
18" N. Inv. El.	52.91			
21" S. Inv. El.	53.07			
18" E. Inv. El.	53.14			
8" W. Inv. El.	53.14			
Sta 4+499-38.1' t.d. "A"	Rim El.	65.35		
36" N. Inv. El.	56.85			
12" N.E. Inv. El.	58.38			
12" N.W. Inv. El.	59.16			
18" E. Inv. El.	57.79			
18" W. Inv. El.	57.61			
18" S.W. Inv. El.	58.91			

STATION	LINE	TYPE	INVERT	REMARKS
Sta 4+690-38.5' t.d. "A"	Rim El.	65.29		
18" N. Inv. El.	56.84			
36" S. Inv. El.	60.89			
Inv. El.	57.79			
Inv. El.	57.61			
Sta 4+861-36' R.T. "C"	Rim El.	62.63		
8" N. Inv. El.	55.68			
8" E. Inv. El.	56.60			
8" W. Inv. El.	56.60			

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CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: INTERSECTION RECONSTRUCTION
4TH STREET N.W.
UTILITY PLAN AND PROFILE
STA. 3+5000 TO STA. 7+0000

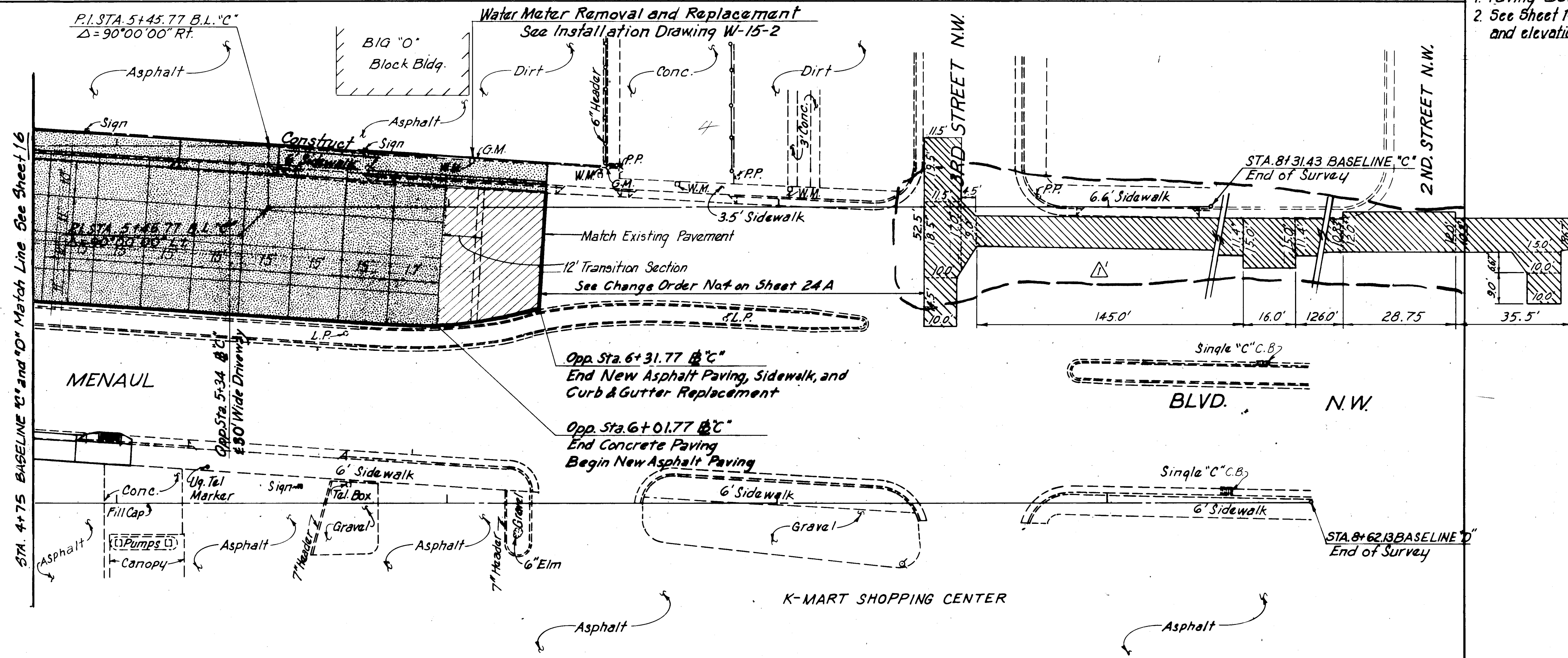
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Ed	6/20/84	Liquid Waste	R. Pena	6/20/84
A.C.E. - Design	W. J. Smith	6/20/84	Traffic	N.A. D. H.	6/20/84
A.C.E. - Hydrology	W. J. Smith	6/20/84	Water	R. Pena	6/20/84

DRAWING NO. 1871 **MAP NO.** H-14 **SHEET** 13 OF 24

RECORD DRAWING

Date: MAY 3 1985

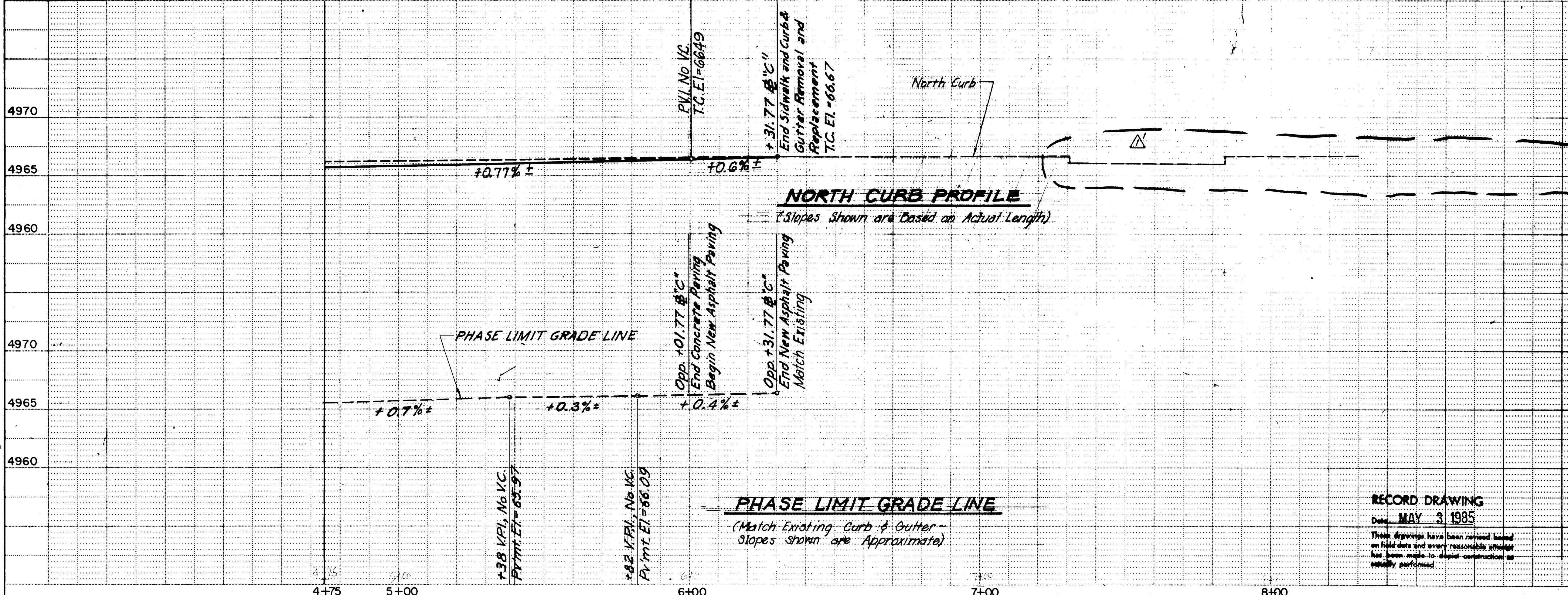
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.



Notes:
1. Paving Details Sheet 23.
2. See Sheet 14 & 15 for Joint Layout and elevations.

MENAU BLVD. N.W. PHASE I

SCALES
1" = 20' Horizontal
1" = 5' Vertical



PHASE LIMIT GRADE LINE

(Match Existing Curb & Gutter - Slopes shown are Approximate)

RECORD DRAWING

Date: MAY 3 1985
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

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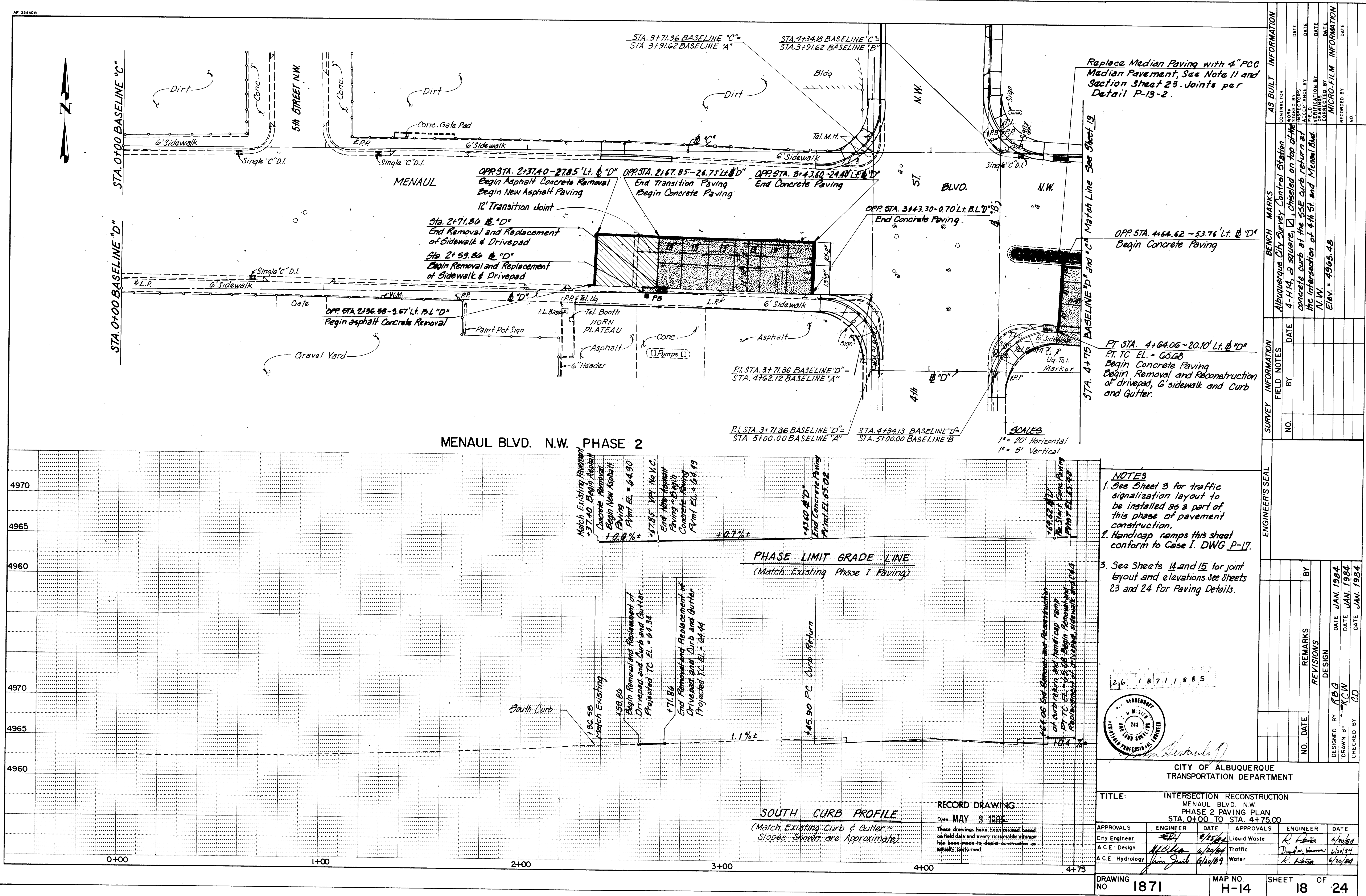
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: INTERSECTION RECONSTRUCTION
MENAU BLVD. N.W.
PHASE I PAVING PLAN
STA. 4+75.00 TO STA. 8+31.43

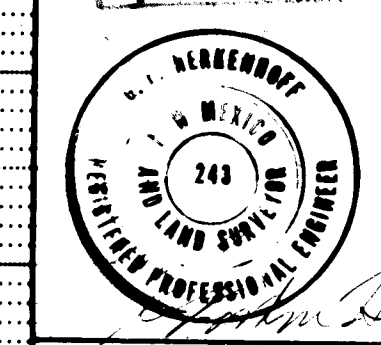
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R. B. G.	6/20/84	Liquid Waste	R. B. G.	6/20/84
A.C.E. - Design	M. J. H.	6/20/84	Traffic	D. J. H.	6/20/84
A.C.E. - Hydrology	J. M. J.	6/20/84	Water	R. B. G.	6/20/84

DRAWING NO. 1871 MAP NO. H-14 SHEET 17 OF 24

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ALBUQUERQUE CITY SURVEY CONTROL STATION	DATE	FIELD NOTES	BY	NO.	DATE
INSPECTOR	DATE	4-11-84, a square, 12, chiseled on top of the concrete curb at the SSE curb return at the intersection of 4th St. and Menaul Blvd. NW. Elev. = 4965.48	DATE				
VERIFICATION BY	DATE						
CORRECTED BY	DATE						
MICRO-FILM INFORMATION							
RECORDED BY	DATE						
NO.							



- NOTES**
- 1. See Sheet 3 for traffic signalization layout to be installed as a part of this phase of pavement construction.
 - 2. Handicap ramps this sheet conform to Case I. DWG P-17.
 - 3. See Sheets 14 and 15 for joint layout and elevations. See Sheets 23 and 24 for Paving Details.

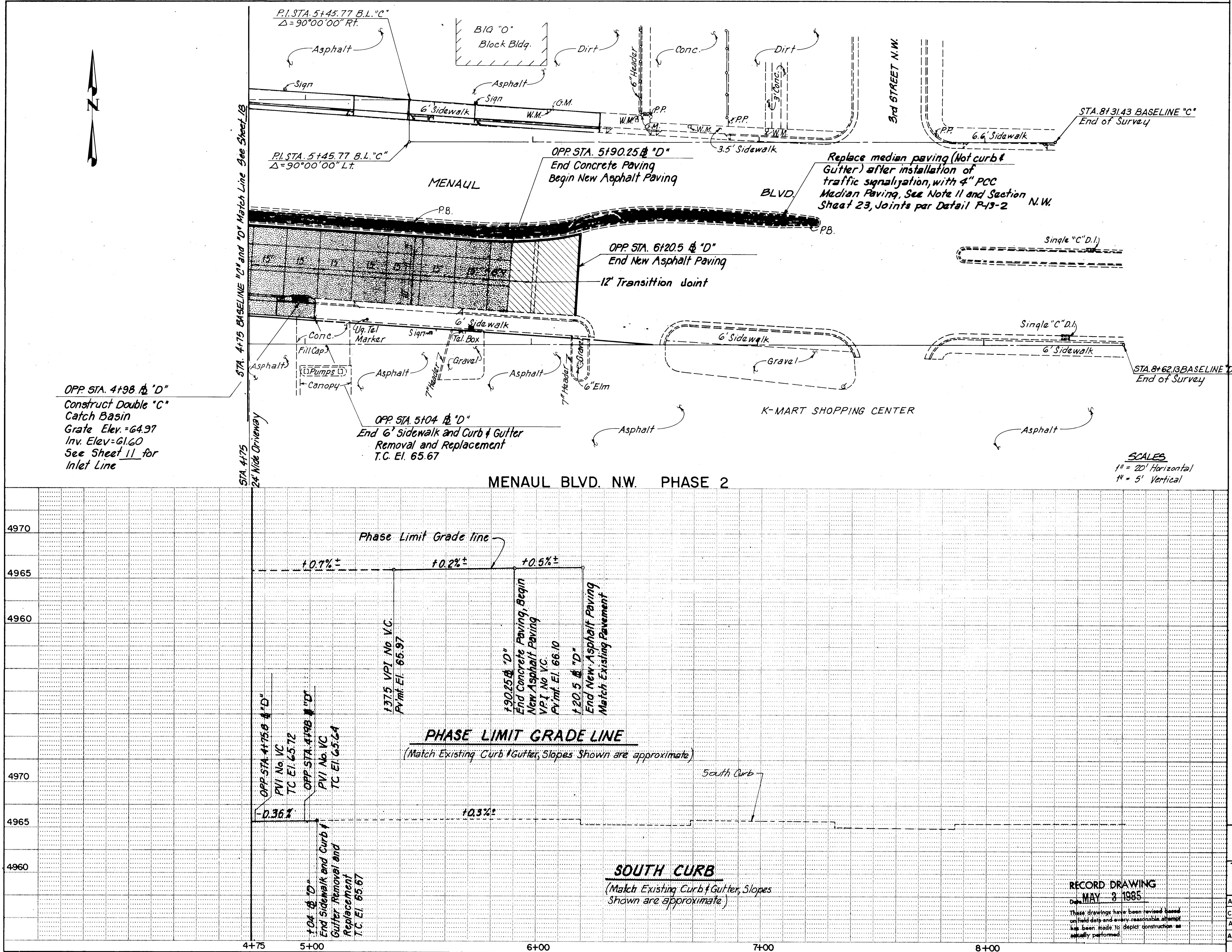


CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: INTERSECTION RECONSTRUCTION
MENAU BLVD. N.W.
PHASE 2 PAVING PLAN
STA. 0+00 TO STA. 4+75.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R. B. G.	6/20/84	Liquid Waste	R. B. G.	6/20/84
A.C.E. - Design	M. B. G.	6/20/84	Traffic	R. B. G.	6/20/84
A.C.E. - Hydrology	J. B. G.	6/20/84	Water	R. B. G.	6/20/84

DRAWING NO. 1871 MAP NO. H-14 SHEET 18 OF 24



NOTE

See Sheet 3 for traffic signalization layout to be installed as a part of this phase of pavement construction.

See Sheet 14 and 15 for joint layout and elevations
See Sheet 23 and 24 for paving details

SCALES

$1'' = 20'$ Horizontal
 $1'' = 5'$ Vertical

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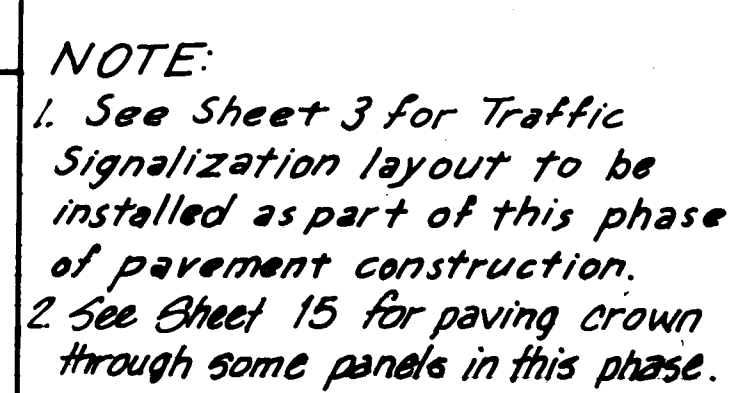


CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: INTERSECTION RECONSTRUCTION
MENAUD BLVD. N.W.
PHASE 2 PAVING PLAN
STA 4+75.00 TO STA 9+30.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>T. Boyd</i>	<i>6/25/84</i>	Liquid Waste	<i>R. Potts</i>	<i>6/20/84</i>
A.C.E.-Design	<i>A. J. [unclear]</i>	<i>6/20/84</i>	Traffic	<i>David W. [unclear]</i>	<i>6/20/84</i>
A.C.E.-Hydrology	<i>Jim [unclear]</i>	<i>6/24/84</i>	Water	<i>R. Potts</i>	<i>6/20/84</i>

DRAWING NO.	1871	MAP NO.	H-14	SHEET	19	OF	24
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1 2 3 4 5 6 7 8 9 10 11 12
Z 6 / 1 9 7 1 2 0 8 5

R. F. BREKENHOFF
W. H. S.
243
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS

John A. Brekenhoff

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT					
TITLE: INTERSECTION RECONSTRUCTION 4 TH STREET N.W. PHASE 3 PAVING PLAN STA. 3+5000 TO STA. 7+0000					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	4/20/84	Liquid Waste	<i>[Signature]</i>	4/20/84
A.C.E. - Design	<i>[Signature]</i>	4/20/84	Traffic	<i>[Signature]</i>	4/20/84
A.C.E. - Hydrology	<i>[Signature]</i>	4/20/84	Water	<i>[Signature]</i>	4/20/84
DRAWING NO. 1871		MAP NO. H-14		SHEET 20 OF 24	



Date MAY 3 1985

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

A circular professional engineer seal for C. E. Herkenhoff. The outer ring contains the text "C. E. HERKENHOFF" at the top and "REGISTERED PROFESSIONAL ENGINEER" at the bottom. The inner ring contains "NEW MEXICO" at the top and "AND LAND SURVEYOR" at the bottom. In the center of the seal is the number "243".

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

TITLE: INTERSECTION RECONSTRUCTION
4TH STREET N.W.
PHASE 4 PAVING PLAN
STA. 3+50.00 TO STA. 7+00.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	6/25/04	Liquid Waste	<i>R. Pinn</i>	6/20/04
A.C.E. - Design	<i>H. Ochoa</i>	6/20/04	Traffic	<i>D. Williams</i>	6/20/04
A.C.E. - Hydrology	<i>[Signature]</i>	6/20/04	Water	<i>[Signature]</i>	6/20/04

DRAWING NO.	1871	MAP NO.	H-14	SHEET	21	OF	24
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NOTE:

1. See Sheet 3 for Traffic Signalization Layout to be Installed as Part of this Phase of Pavement Construction.
2. See Sheet 15 for paving crown through some panels in this phase.
3. See Sheets 14 and 15 for joint Layout and Elevations.

[illegible]

STA. 0+00 BASELINE "A"

$$\begin{array}{r} 0+00 \\ \hline \end{array}$$

100

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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NOTE:

1. See Sheet 3 for Traffic Signalization Layout to be installed as part of this Phase of Pavement Construction.
2. See Sheet 15 for paving crown through some panels in this phase.
3. See Sheet 14 and 15 for Joint Layout & Elevations.
4. See Sheet 23 and 24 for paving details.
5. See Sheet 14 for Temporary Construction Easements and Right-of-Way locations.
6. Minimum strength for opening to traffic for this phase shall be 500 p.s.i. at three days as measured by ASTM C-78.
7. Construction time shall be held to an absolute minimum for this phase.

OPP STA 4+40.1 - 49.5' Rt. 12" C"
End Concrete Paving

OPP. STA. 4+37.4 - 42.3' Lt. B "A"
End Concrete Paving

OPP. STA. 4+37.72-27.76' R/L. TO "A"
End Concrete Paving

SCALES

1" = 20' Horizontal
1" = 5' Vertical

RECORD DRAWING

Date **MAY 3 1995**

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

26 18712285



CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

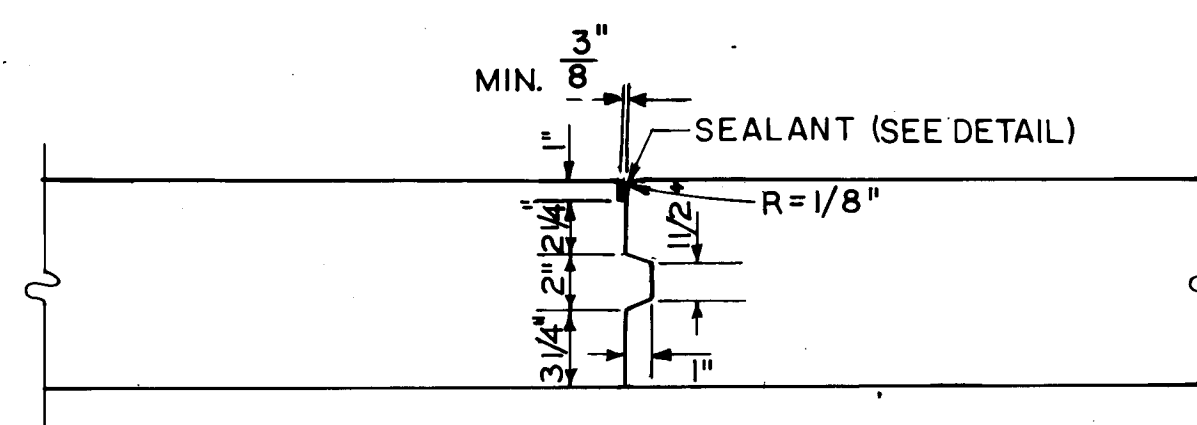
TITLE: INTERSECTION RECONSTRUCTION
4 TH STREET N.W.
PHASE 5 PAVING PLAN
STA. 0+00.00 TO STA. 4+50.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	6/25/84	Liquid Waste	<i>R. Davis</i>	6/20/84
A.C.E.-Design	<i>RFOL</i>	6/20/84	Traffic	<i>David A. Hansen</i>	6/20/84
A.C.E.-Hydrology	<i>Jim Zick</i>	6/20/84	Water	<i>R. Davis</i>	6/20/84

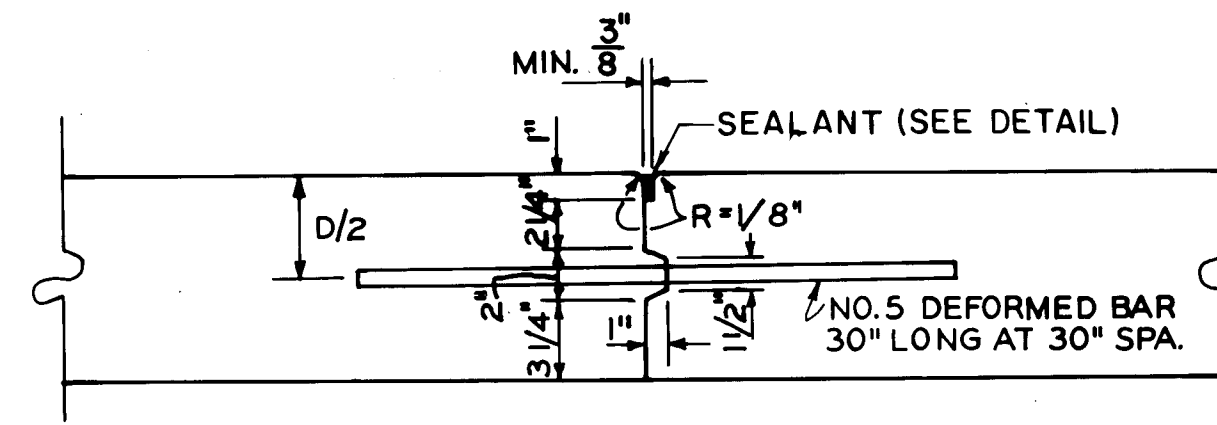
DRAWING NO.	1871
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MAP NO.	H-14
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SHEET 22 OF 24

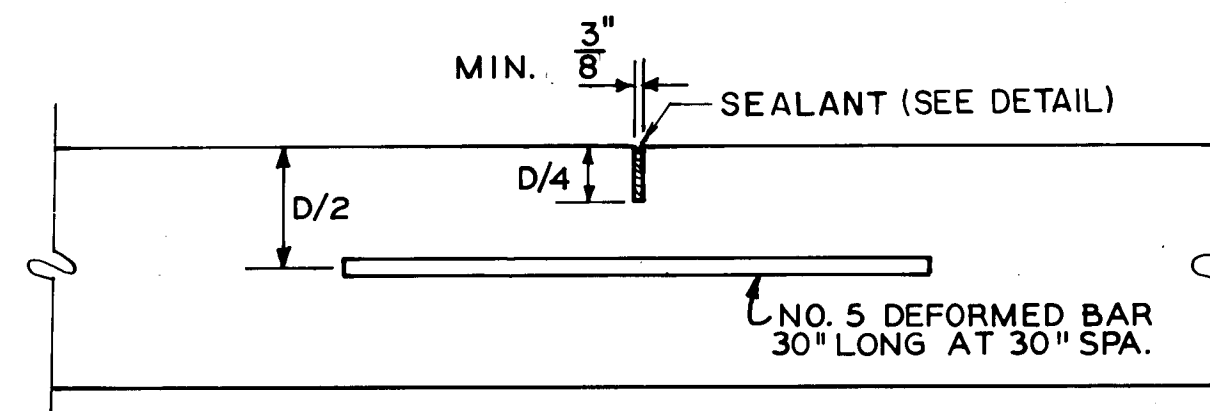
**JOINT TYPE "A"**

KEYED LONGITUDINAL CONSTRUCTION JOINT

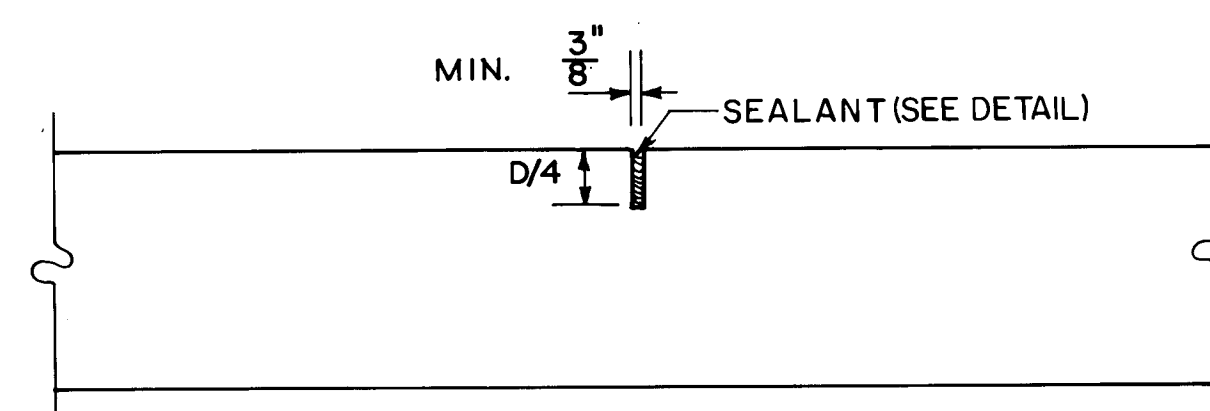
**JOINT TYPE "F"**

KEYED TRANSVERSE CONSTRUCTION JOINT WITH TIEBARS

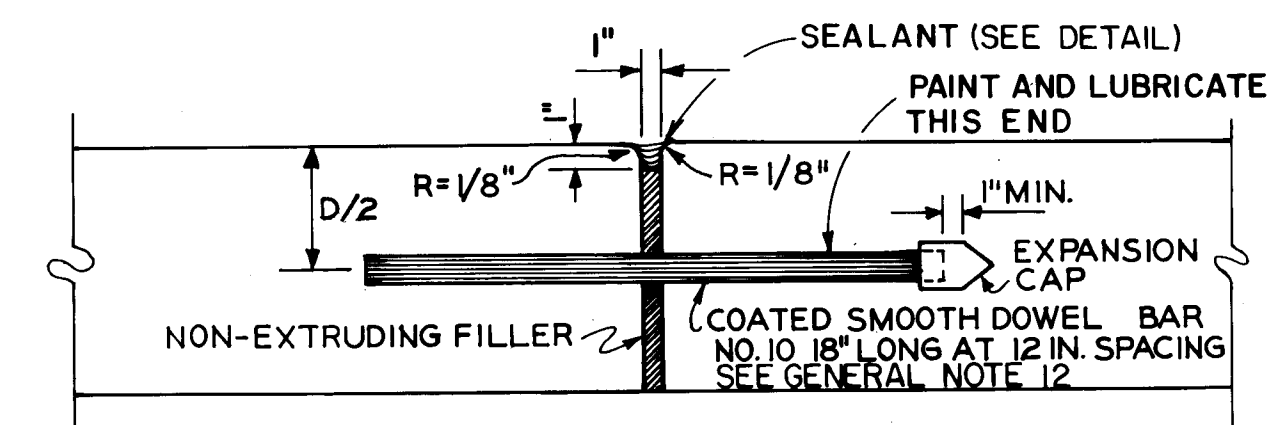
NOTE:
TYPE "F" JOINTS ARE TO BE USED AT E.O.P. & B.O.P. AND AT END OF DAYS PAVING, UNLESS DAYS PAVING ENDS AT AN EXPANSION JOINT. IF THE DISTANCE FROM THE LAST JOINT TO THE TYPE "F" JOINT REQUIRED WOULD BE LESS THAN 10 FT., THE DISTANCE BETWEEN THE LAST TWO JOINTS SHALL BE ADJUSTED SO THAT THE DISTANCE BETWEEN JOINTS WILL NOT BE LESS THAN 10 FT.

**JOINT TYPE "B"**

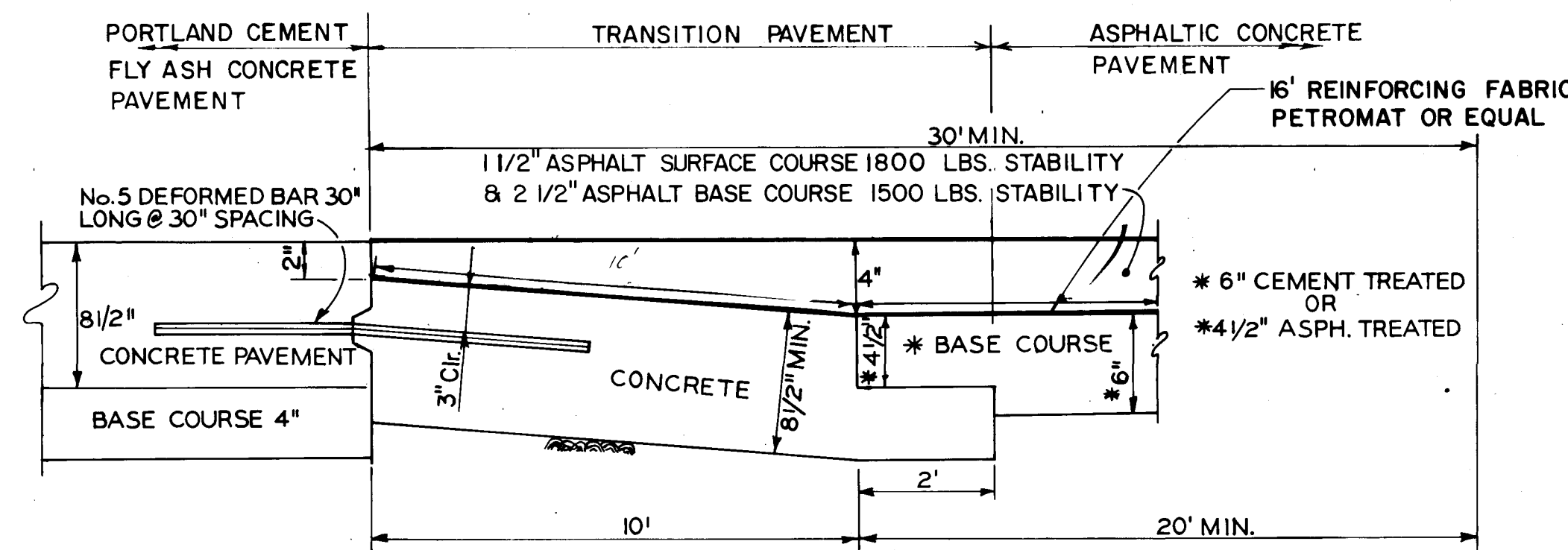
TRANSVERSE JOINT WITH TIEBARS

**JOINT TYPE "D"**

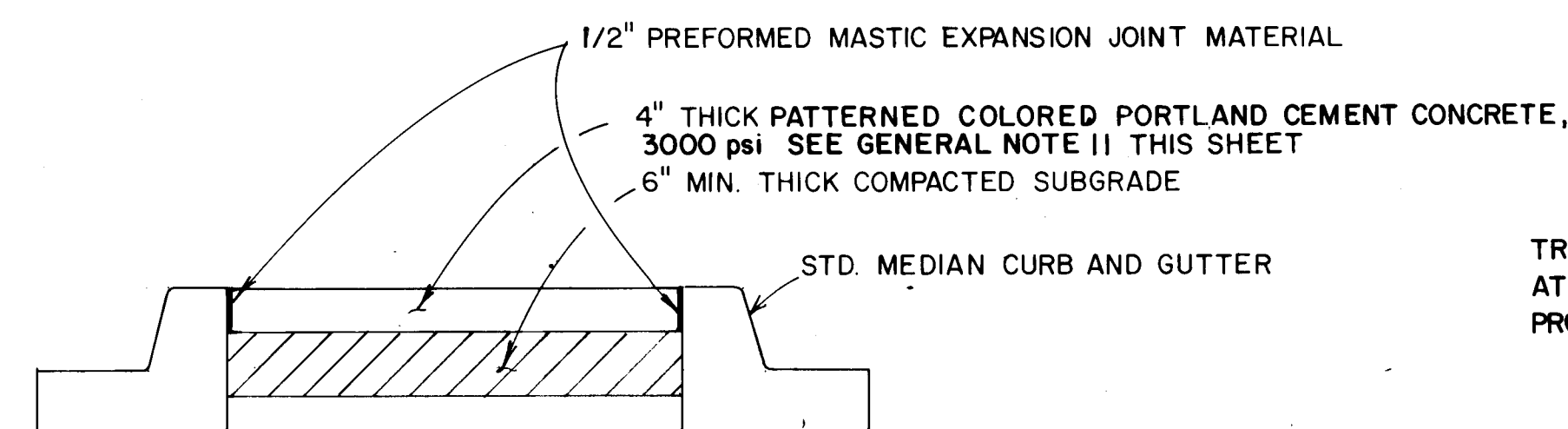
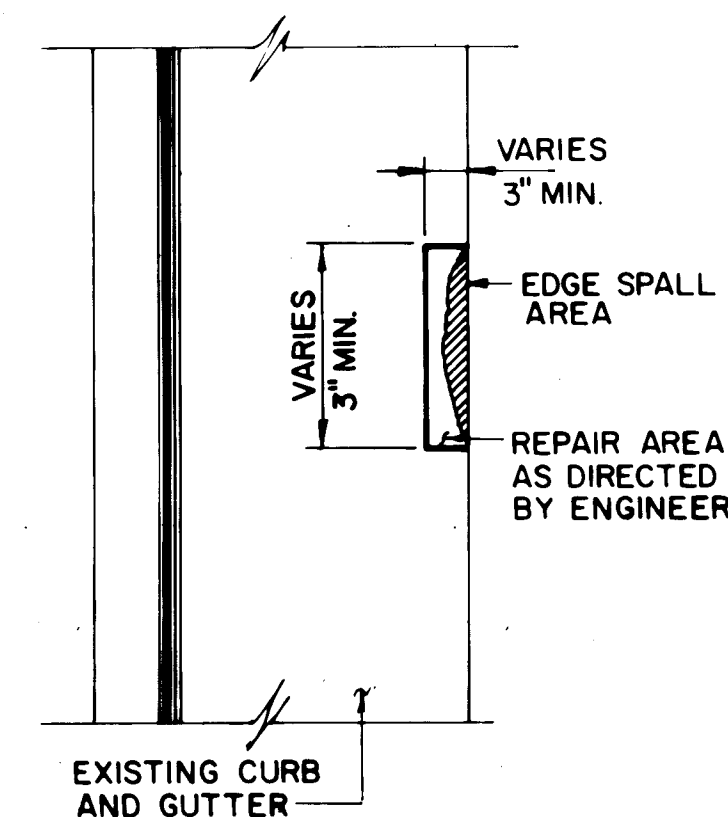
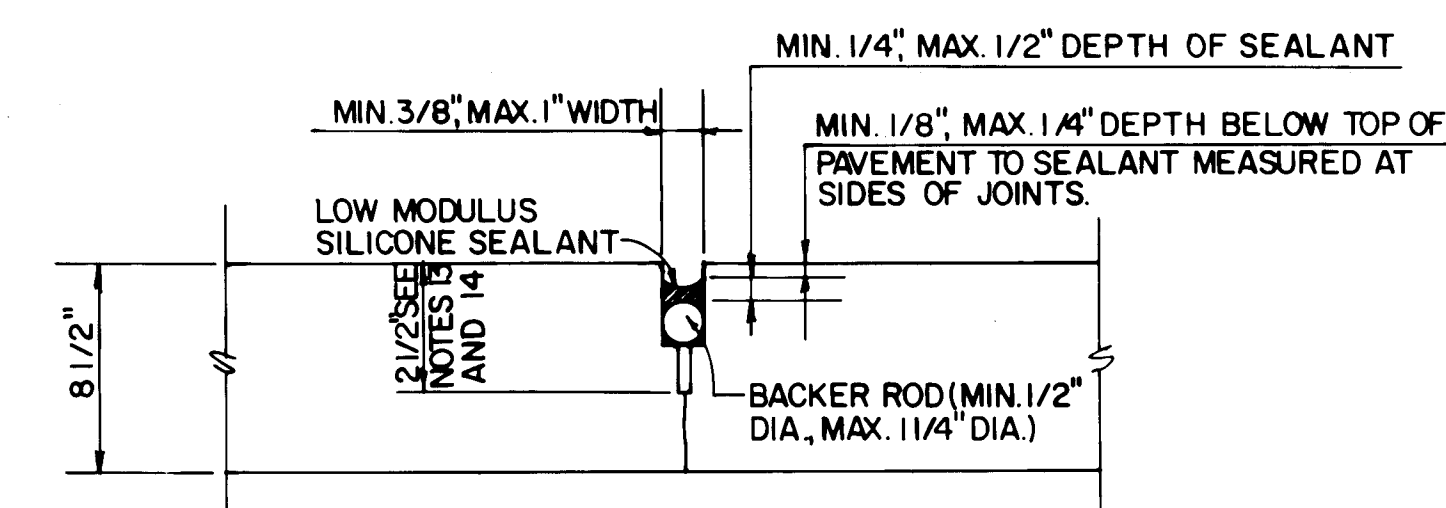
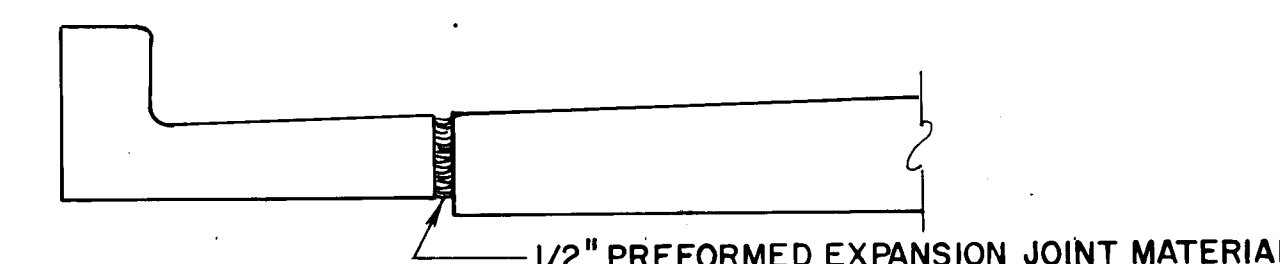
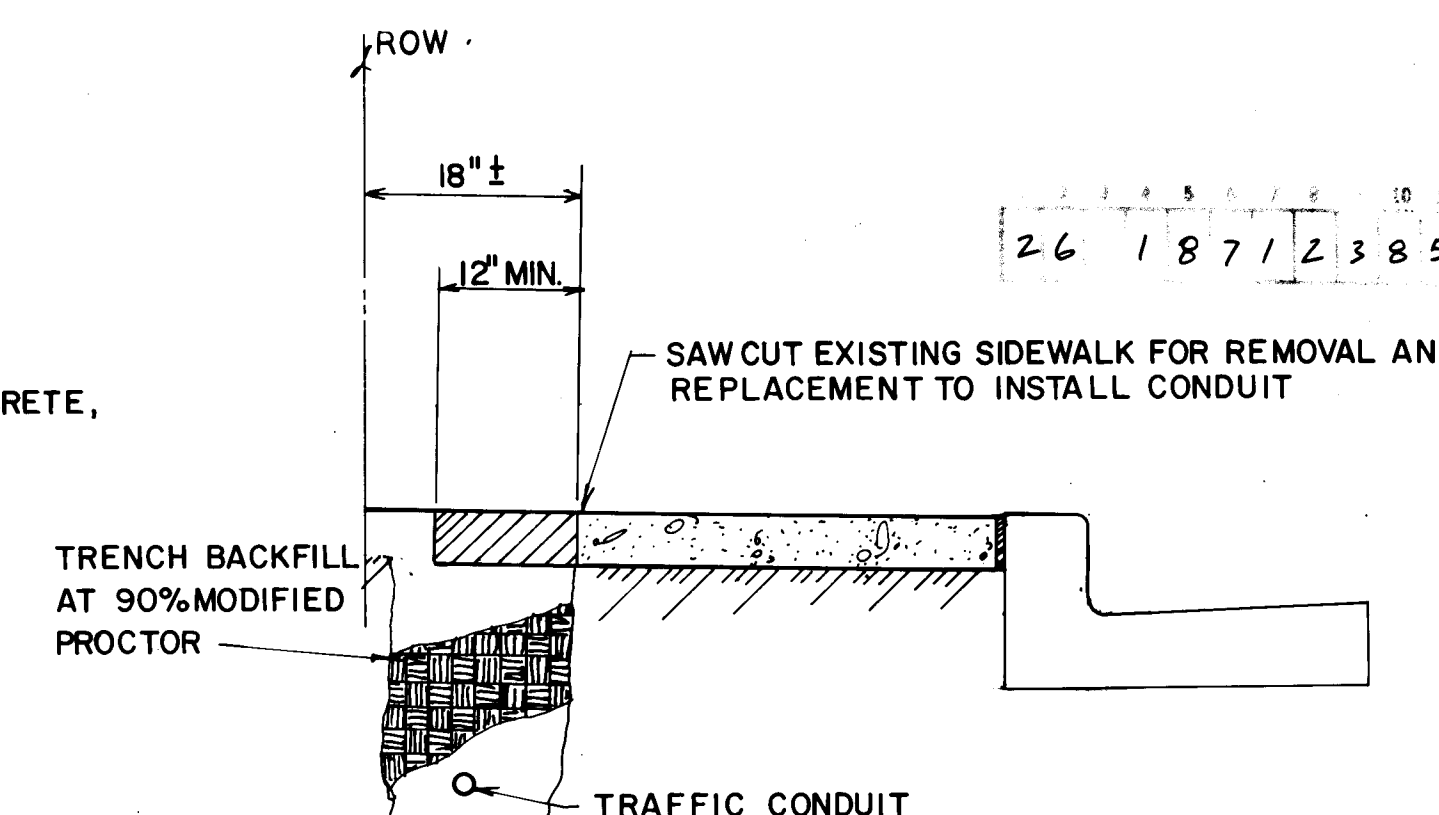
CONTRACTION JOINT

**JOINT TYPE "E"**

TRANSVERSE DOWELLED EXPANSION JOINT



SEE SHEET 24 FOR PAVEMENT SECTIONS

TYPICAL PAVEMENT & TRANSITION SECTION**IMPRESSED PATTERN
CONCRETE MEDIAN PAVING SECTION****CURB & GUTTER SPALL REPAIR****SILICONE SEALANT-JOINT PLACEMENT****GUTTER TO PAVEMENT JOINT****CONDUIT INSTALLATION UNDER SIDEWALK****REPAIR PROCEDURE:**

1. SAW CUT PERIMETER OF REPAIR AREA MINIMUM 1" DEPTH.
2. REMOVE CONCRETE FROM REPAIR AREA TO SOUND CONCRETE - MINIMUM OF 1" DEPTH.
3. SAND BLAST AND THOROUGHLY CLEAR ALL SURFACES.
4. APPLY EPOXY BONDING AGENT-ADHESIVE ENGINEERING LPL 1001 OR EQUAL IN ACCORDANCE WITH MANUFACTURE'S DIRECTIONS.
5. FILL REPAIR AREA WITH FIBER REINFORCED CONCRETE, QUICKETE #1242 OR EQUAL IN ACCORDANCE WITH MANUFACTURERS DIRECTIONS.

GENERAL NOTES

1. ALL TRANSVERSE JOINTS ARE TO BE TYPE "B", "D", "E", "F", OR "J" AT THE DIRECTION OF THE ENGINEER. ALL LONGITUDINAL JOINTS ARE TO BE TYPE "A" OR "D" AT THE DIRECTION OF THE ENGINEER.
2. ALL NO. 10 SMOOTH DOWEL BARS ARE TO BE PAINTED AND HEAVILY GREASED ON THE EXPANSION END BEFORE PLACEMENT OF CONCRETE.
3. IN ALL CASES, DOWELS IN TRANSVERSE JOINTS ARE TO BE PERPENDICULAR TO JOINT.
4. EXPANSION JOINTS SHALL BE CONSTRUCTED AT THE DIRECTION OF THE ENGINEER. NUMBER AND LOCATION OF EXPANSION JOINTS WILL BE DEPENDENT UPON EXPANSIVE QUALITY OF CONCRETE AGGREGATES AND THE WEATHER TEMPERATURE.
5. ALL REBAR TO BE EPOXY COATED.
6. EXPANSION MATERIAL TO BE PLACED BETWEEN ALL CURB AND GUTTER AND NEW CONCRETE PAVEMENT; SIDEWALKS AND CURB AND GUTTER; AND BETWEEN MEDIAN PAVEMENT AND CURB AND GUTTER.
7. ALL JOINTS TO BE EXTENDED THROUGH ALL NEW MEDIANS.
8. ALL CONCRETE PAVEMENT JOINTS MAY BE FORMED BY SAW CUTTING OR INSERTION OF A PRE-MOLDED CRACK INDUCER.

TRANSVERSE EXPANSION JOINTS IN ALL SIDEWALKS AND DRIVEPADS SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAILS.

- JOINTS AT INTERSECTION WITH CURB-RETURNS SHALL BE RADIAL.

11. MATERIALS FOR IMPRESSED PATTERN, COLORED CONCRETE MEDIAN PAVING SHALL COMPLY WITH THE REQUIREMENTS OF THE NEW MEXICO STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, 1979, SECTION 101, FOR 3000 PSI CONCRETE AIR ENTRAINMENT. COLORING AGENT SHALL BE DAVIS NO. 1117 "TILE RED" INTEGRALLY ADDED AT A RATE OF 3 POUNDS PER BAG OF CEMENT OR APPROVED EQUAL. THE IMPRESSED PATTERN SHALL BE 5-1/2" X 8" RUNNING BOND, FLAT FINISH. PLACEMENT, FINISHING AND CURING SHALL BE PERFORMED IN ACCORDANCE WITH THE COLORING MANUFACTURERS RECOMMENDATIONS.

12. SMOOTH DOWEL BARS SHALL BE PLACED WITH CARE AND HELD IN PLACE WITH IMMOVABLE CAGES MAINTAINING DOWELS PARALLEL WITH GRADE AS MUCH AS POSSIBLE.

13. NO SEALANT SHALL BE INSTALLED WITHOUT JOINTS FIRST BEING INSPECTED FOR CLEANLINESS.

14. INITIAL SILICONE JOINT SEALANT PLACEMENT SHALL REQUIRE THE PRESENCE OF THE JOINT SEALANT MANUFACTURER'S REPRESENTATIVE.

RECORD DRAWING

MAY 3 1985

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

DATE: MAY 3 1985

DESIGNED BY RBC

DRAWN BY DC

CHECKED BY CD

DATE JAN 1984

DATE JAN 1984

DATE JAN 1984

DATE JAN 1984

DATE JAN 1984

DATE JAN 1984

DATE JAN 1984

DATE JAN 1984

DATE JAN 1984

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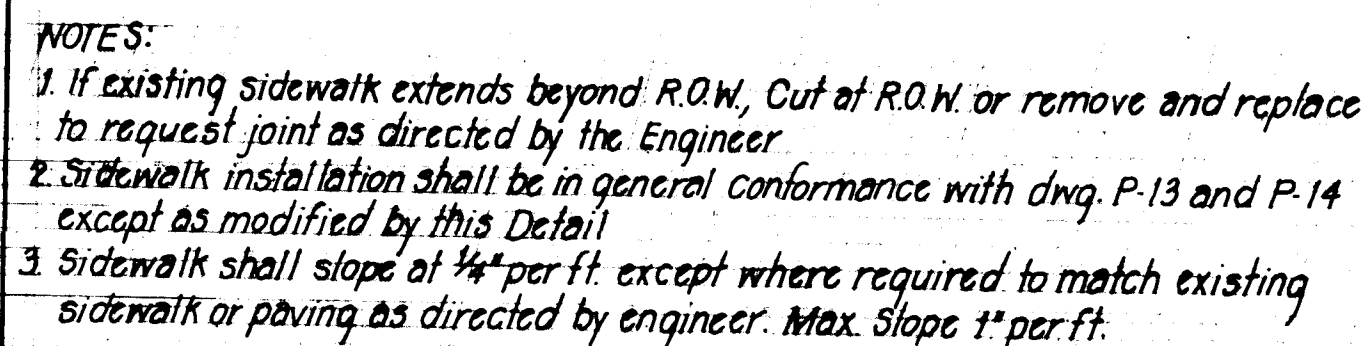
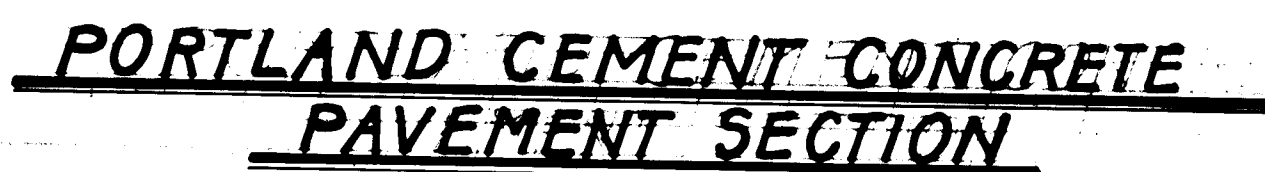
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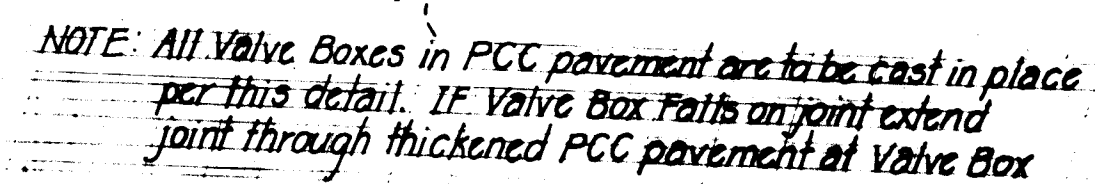
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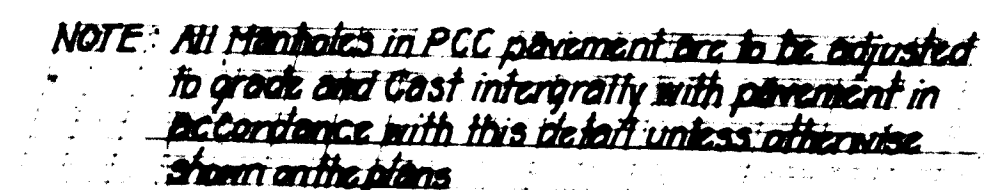
CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT					
TITLE: INTERSECTION RECONSTRUCTION 4TH STREET AND MENAUL BLVD. N.W.					
TYPICAL JOINT DETAILS AND PAVEMENT SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	CD	6/1/84	Liquid Waste	R. Pina	6/20/84
A.C.E. - Design	CD	6/1/84	Traffic	N.A. Smith	6/20/84
A.C.E. - Hydrology	CD	6/1/84	Water	R. Pina	6/20/84
DRAWING NO.	1871	MAP NO.		SHEET	23 OF 24



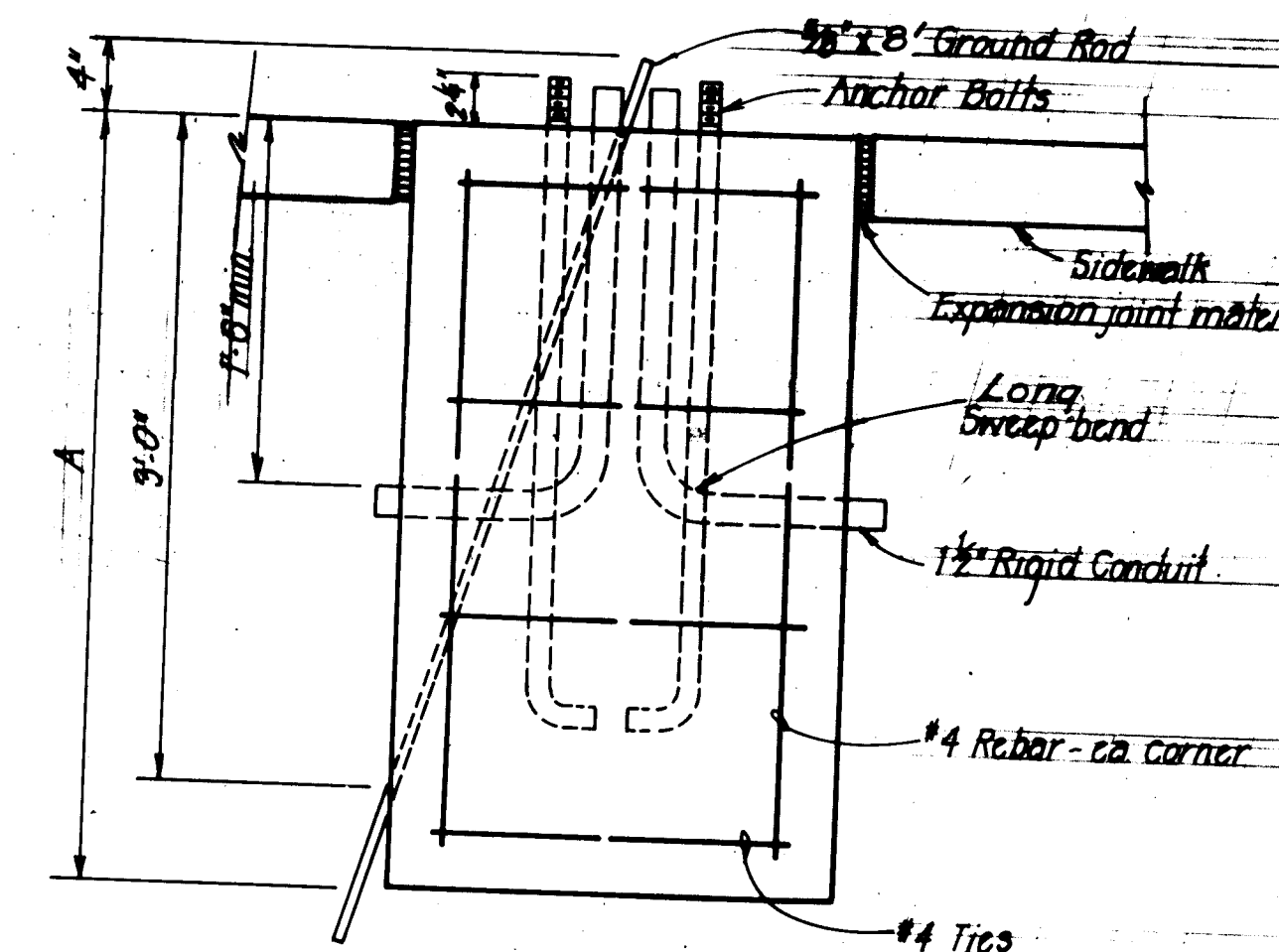
SIDEWALK REPLACEMENT DETAIL



VALVE BOX - PAVING DETAIL



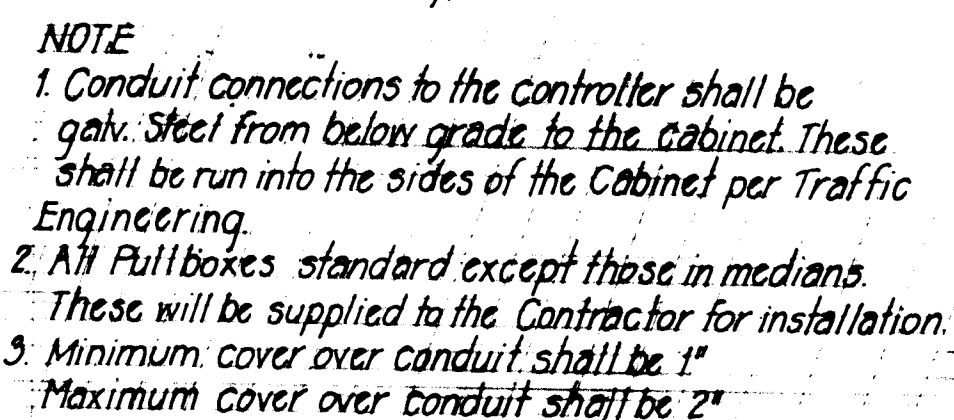
MANHOLE ADJUSTMENT- PAVING DETAIL



NOTE:
Contractor to Verify with PNM
Anchor Bolt Size and Pattern.

DETAIL~ LIGHT BASE

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PREFORMED LOOP DETECTOR DETAIL

[illegible]

DRAWING NO.	1871	MAP NO.	H-14	SHEET	24A	OF	24A
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