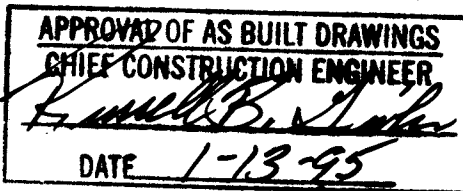


SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS PHASE I

INDEX

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RAILROAD YARD STA. 4+70 TO STA. 8_00	4
COMMERCIAL STREET STA. 8+00 TO STA. 12+40	5
MENAU BOULEVARD COMMERCIAL STREET TO BROADWAY BOULEVARD	6
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CITY OF ALBUQUERQUE
NEW MEXICO



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4272.900195

RECORD DRAWING
Richard Frost

SET NUMBER

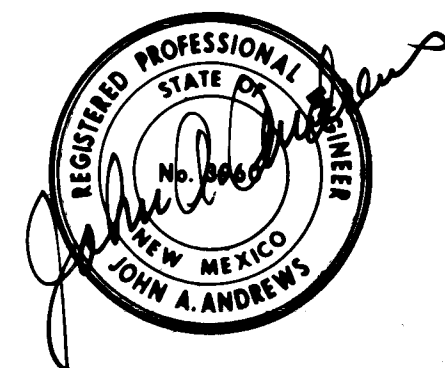


LOCATION MAP
ZONE ATLAS MAP H-14,H-15
SCALE: 1"=1000'

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION.
- REFERENCES MADE TO STANDARD DRAWINGS REFER TO CITY OF ALBUQUERQUE STANDARD DRAWINGS.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990), FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR WILL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY ENGINEER.
- WHEELCHAIR RAMP WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED AS SHOWN.
- CONTRACTOR SHALL PROVIDE 12" SUBGRADE PREPARATION UNDER ALL NEW PAVEMENT, CURBS & GUTTERS, VALLEY GUTTERS, AND CONCRETE FILLETS.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, CUT BACK EXISTING PAVEMENT TO A NEAT STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT, AND MATCH NEW TO EXISTING. NO SEPARATE PAYMENT SHALL BE MADE FOR SUCH CUTTING OF EXISTING PAVEMENT BUT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. CUTTING OF PAVEMENT SHALL BE IN CONFORMANCE WITH THE SPECIFICATIONS.
- WHERE REMOVAL OF EXISTING CURB & GUTTER ARE REQUIRED, SUCH REMOVAL SHALL BE MADE BACK TO THE NEAREST JOINT BEYOND THE REMOVAL REQUIRED.
- CURB & GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THE CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- WHEN CONSTRUCTION UNDER THIS PROJECT CONNECTS TO EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL PROVIDE AN EASY RIDING CONNECTION.
- MATCH FLOWLINES OF GUTTER WHEN CONNECTING NEW CURB & GUTTER TO EXISTING.
- ALL WATER VALVE BOXES AND SEWER MANHOLES IN THE CONSTRUCTION AREA ARE TO BE ADJUSTED TO FINISH GRADE UNDER THE CONTRACT.
- ANY PAVEMENT MARKINGS REMOVED OR DISTURBED DURING CONSTRUCTION SHALL BE REPLACED IN KIND BY CONTRACTOR.

REV SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE
APPROVAL OF REVISIONS						



ANDREWS, ASBURY & ROBERT, INC.
CONSULTING ENGINEERS
ALBUQUERQUE 91-619 NEW MEXICO

4272.90

APPROVED FOR
CONSTRUCTION
CITY ENGINEER
DATE 1-7-95

SHEET 1 OF 29

SCANNED BY
BY LASON



SCALE: 1" = 300' ±

LEGEND

- EXISTING SEWER LINE & MANHOLE
- NEW SEWER LINE & MANHOLE
- EXISTING WATERLINE & VALVE
- NEW WATERLINE & VALVE
- EXISTING FIRE HYDRANT
- NEW FIRE HYDRANT

RECORD DRAWING
Richard Smith

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	42	72	.	90	0	2	9	5						

SCANNED BY LASON

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS-PHASE 1
PROFILE SHEET INDEX

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>R. J. Boley</i>	1-7-93	WATER	<i>William Balch</i>	11-24-92
TRANSPORTATION	<i>N. R. W.</i>	12-02-92	WASTEWATER	<i>William Balch</i>	11-24-92
HYDROLOGY	<i>Steve Boley</i>	11-19-92			

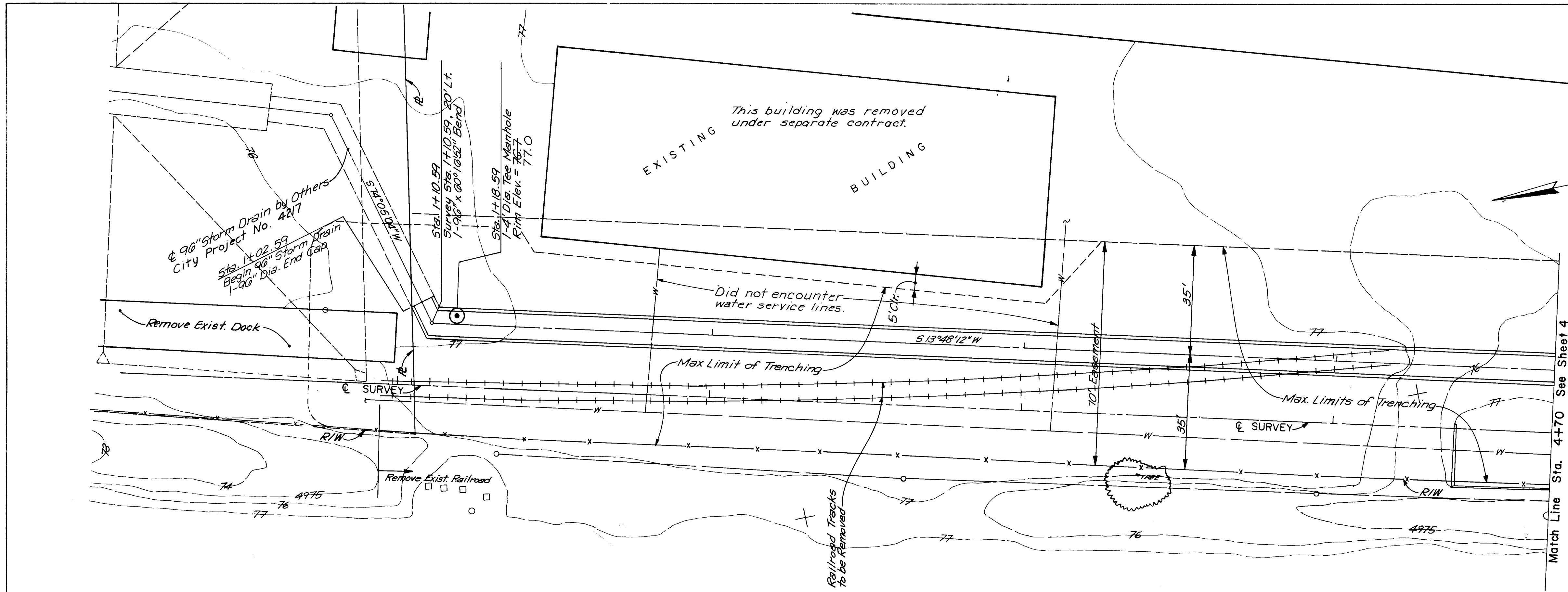
PROJECT NO.	4272.90	MAP NO.	H-14	SHEET	2	OF	29
-------------	---------	---------	------	-------	---	----	----

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	STA.	MARK	CONTRACTOR	DATE
1	10-91	STA. 1147+11	NSHC BRASS TABLE SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED IN THE MEDIAN OF THE 3200 BLOCK OF SECOND STREET, NW APPROXIMATELY 400 FEET SOUTH OF MILDRED AVE. ELEV. 4968.533	FMCI	5/94
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					

ENGINEER'S SEAL		REVISIONS		DESIGN	
NO.	DATE	REMARKS	BY	DATE	BY
1	Feb 1992				
2	Feb 1992				
3	Feb 1992				

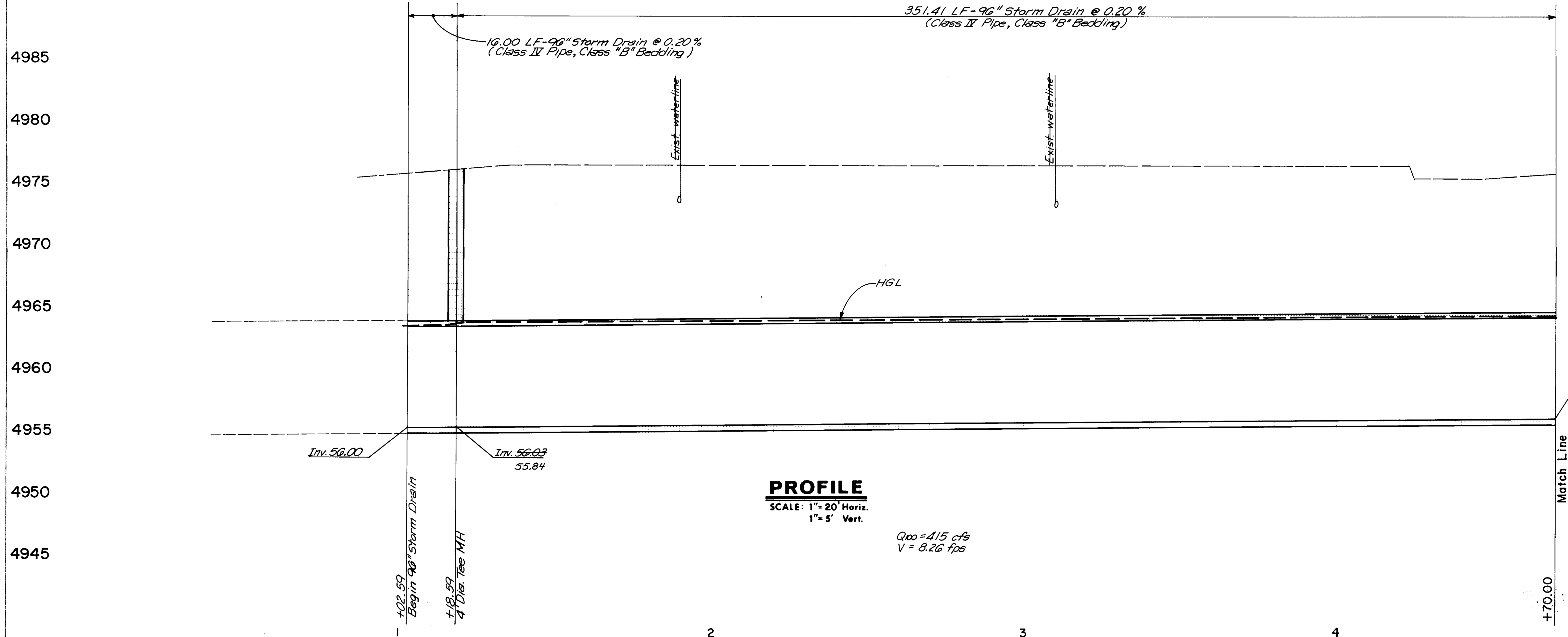
DESIGNED BY JM
DRAWN BY AM
CHECKED BY JM, JA

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
1960
JOHN A. ANDREWS
ANDREWS, ASBURY & ROBERT, INC.
ALBUQUERQUE, NEW MEXICO
91-619



PLAN
SCALE: 1" = 20'

RAILROAD YARD



PROFILE
SCALE: 1" = 20' Horiz.
1" = 5' Vert.

$Q_{100} = 415 \text{ cfs}$
 $V = 8.26 \text{ fps}$

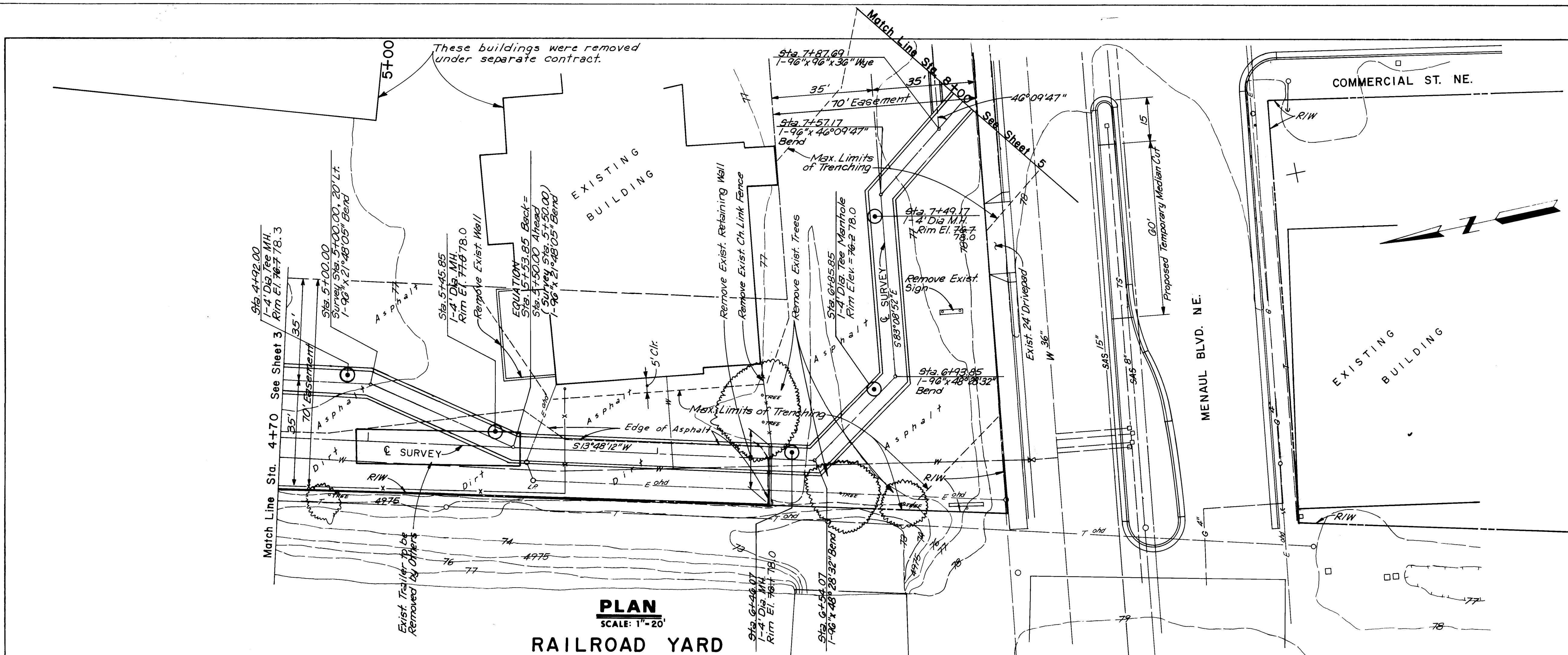
- Note:
- 1) Cast in place concrete pipe may be utilized as an option for all RCP storm drain this sheet.
 - 2) Pipe class and bedding shown are applicable to RCP option.
 - 3) Trench shoring may be required to limit trench width to the maximum shown on the plans. No extra measurement or payment will be made for such shoring.
 - 4) Contractor may remove any structures, tree or pavement within the 70' easement interfering with his operations except existing buildings. Replacement is not required unless otherwise specifically indicated.

Asbuilt Note:
Rim elevations were changed to match NZ's grading plan.

RECORD DRAWING
Richard Frost

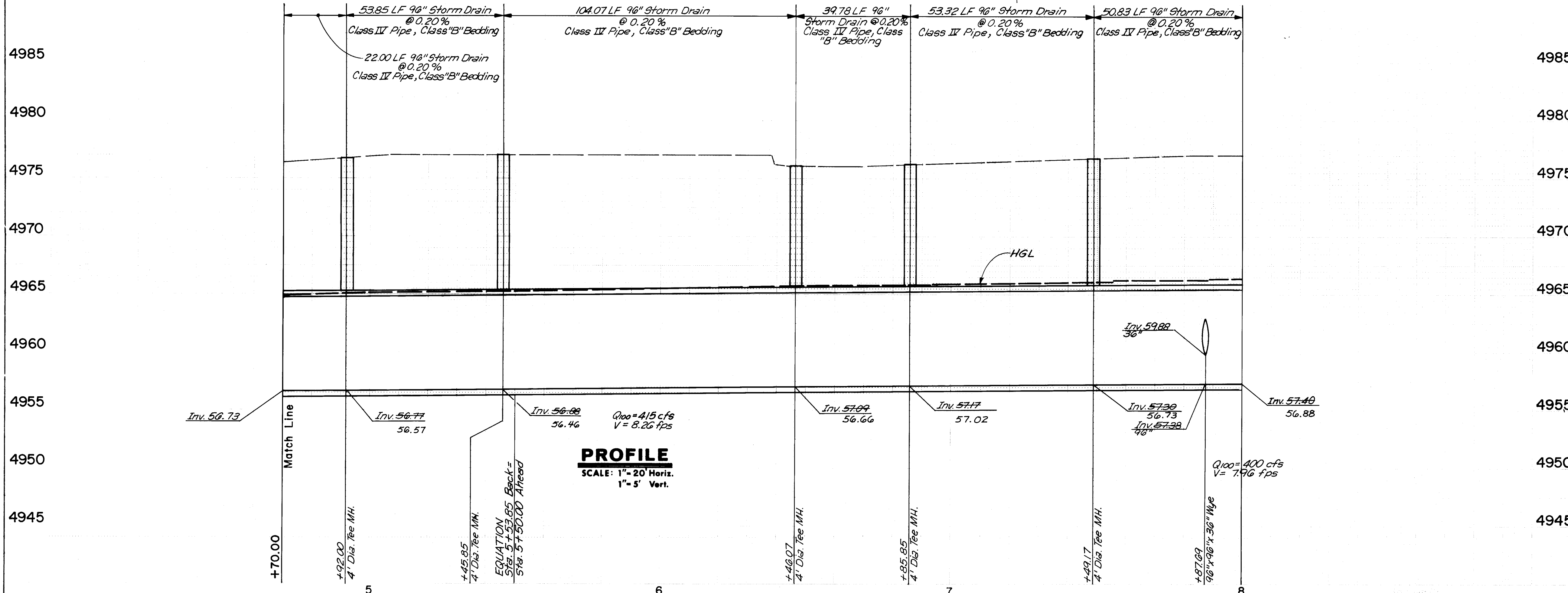
SCANNED BY
BY IASON

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
STA. 1+02.59	DATE 5/94	STA. NW47-11	DATE 10-91	NO	BY A.A.R.		ANDREWS ASSURRY & ROBERT, INC. A. ENGINEER 31-888
STA. 1+10.59	DATE 5/94	POST FLUSH WITH THE GROUND LOCATED IN THE MEDIAN OF THE 3200 BLOCK OF SECOND STREET, NW APPROXIMATELY 400 FEET SOUTH OF MILDRED AVE.	DATE 10-91	NO	BY A.A.R.		
PROJECT NO. 4272.90		MAP NO. H-14		SHEET 3 OF 29		CITY OF ALBUQUERQUE ENGINEERING GROUP	
TITLE SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS-PHASE I RAILROAD YARD-STA. 1+02.59 TO STA. 4+70		APPROVALS		REVISIONS		DATE	
ENGINEER		DATE		BY		DATE	
DATE 1-7-93		DATE Nov. 1991		DATE Dec. 1991		DATE Dec. 1991	
TRANSPORTATION		DATE 12-02-92		DATE 11-21-92		DATE 11-21-92	
HYDROLOGY		DATE 11-17-92		DATE 11-17-92		DATE 11-17-92	



PLAN
SCALE: 1"=20'

RAILROAD YARD



PROFILE
SCALE: 1"=20' Horiz.
1"=5' Vert.

Note:
1) Cast in place concrete pipe may be utilized as an option for all RCP storm drain this sheet.
2) Pipe class and bedding shown are applicable to RCP option.
3) Trench shoring may be required to limit trench width to the maximum shown on the plans. No extra measurement or payment will be made for such shoring.
4) Contractor may remove any structures, tree or pavement within the 70' easement interfering with his operations except existing buildings. Replacement is not required unless otherwise specifically indicated.

As built note:
Rim elevations were changed to match the NZ grading plan.

SURVEY INFORMATION		FIELD NOTES		ENGINEER'S SEAL		REVISIONS		CITY OF ALBUQUERQUE		TITLE	
NO.	BY	DATE	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
1	A.A.F.R.	10-91	10-91	1	10-91	1	10-91	1	10-91	1	10-91
2				2		2		2		2	
3				3		3		3		3	
4				4		4		4		4	
5				5		5		5		5	
6				6		6		6		6	
7				7		7		7		7	
8				8		8		8		8	
9				9		9		9		9	
10				10		10		10		10	
11				11		11		11		11	
12				12		12		12		12	
13				13		13		13		13	
14				14		14		14		14	
15				15		15		15		15	

PROJECT NO. 4272.90

MAP NO. H-14

SHEET 4 OF 29

SCANNED BY BY LASON

RECORD DRAWING

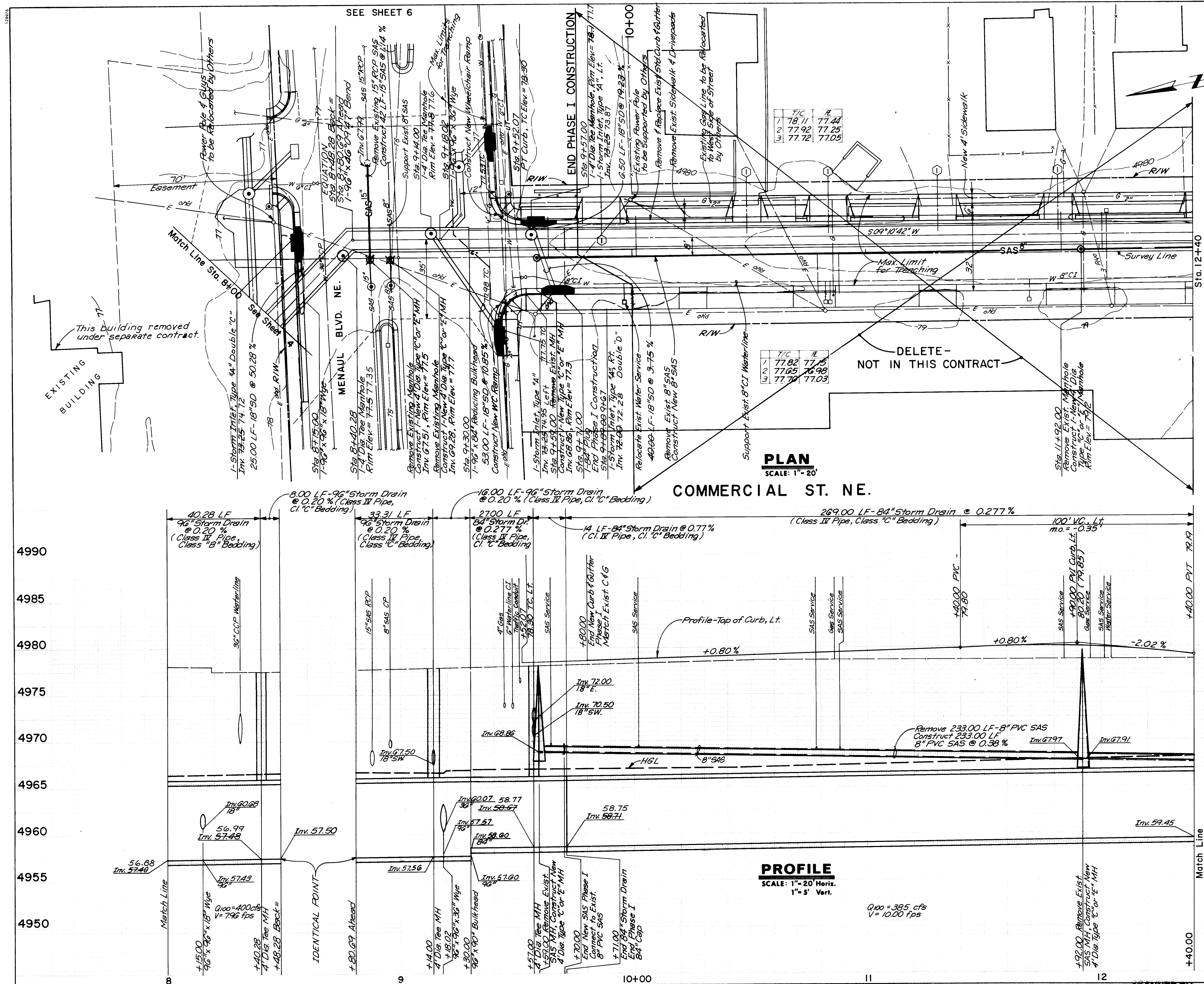
Richard Smith

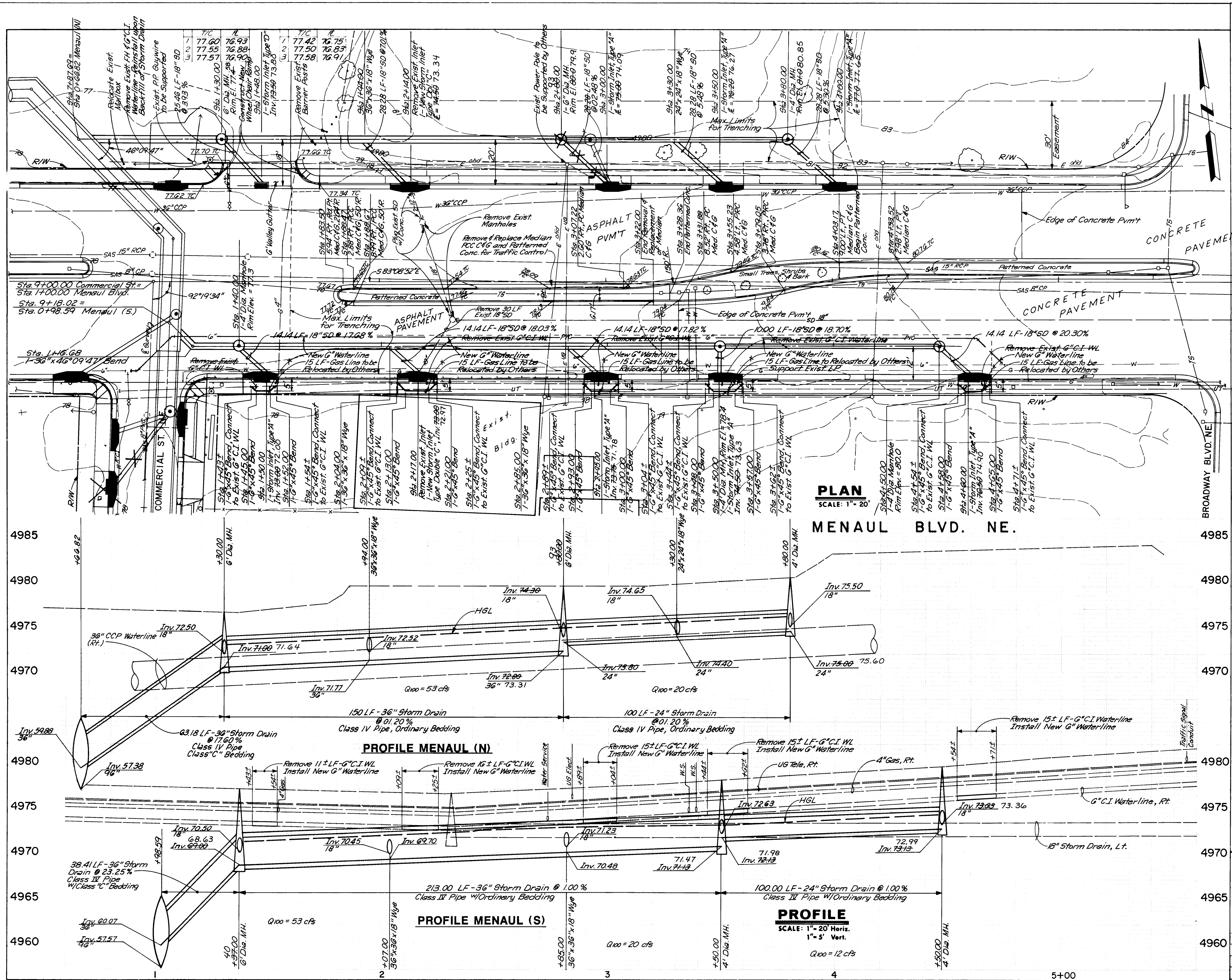
26 4-272.900495

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SECOND STREET & ODELIA
STORM DRAIN IMPROVEMENTS-PHASE I**
RAILROAD YARD-STA. 4+70 TO STA. 8+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	S.G. Barclay	1-7-93	WATER	William Balch	11-24-92
TRANSPORTATION	W.R. RND	12-2-92	WASTE WATER	William Balch	11-24-92
HYDROLOGY	Steve Robey	11-19-92			





- Note:
- 1) Cast in place concrete pipe may be utilized as an option for all RCP storm drain this sheet, except for MENAUL (S) Line.
 - 2) Pipe class and bedding shown are applicable to RCP option.
 - 3) Trench shoring may be required to limit trench width to the maximum shown on the plans. No extra measurement or payment will be made for such shoring.

As built note:
Waterline shown under S/W was abandoned previous to construction. Existing waterline was relocated as shown.

RECORD DRAWING
Richard Smith
26 4272.900695

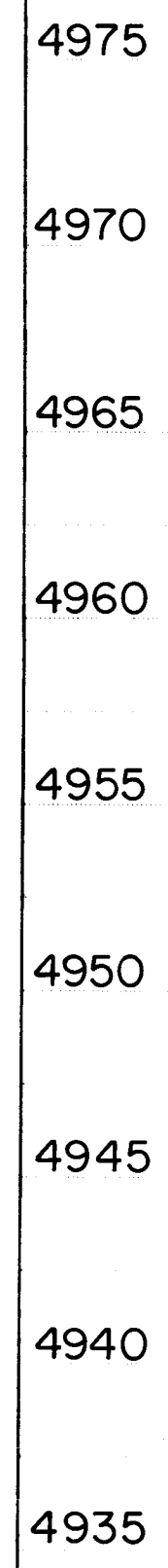
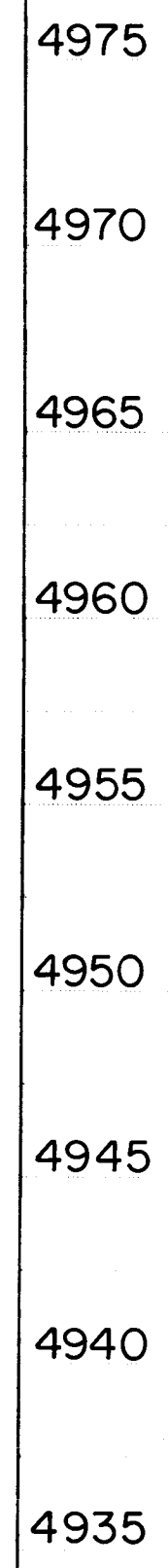
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS-PHASE I			
MENAUL BLVD. NW-COMMERCIAL ST. TO BROADWAY BLVD.			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	<i>[Signature]</i>	1-7-93	WATER
TRANSPORTATION	<i>[Signature]</i>	12-2-92	WASTE WATER
HYDROLOGY	<i>[Signature]</i>	11-9-92	
DESIGNED BY	JM	DATE Nov. 1991	DATE Dec. 1991
DRAWN BY	TL, AM		
CHECKED BY	JM, JA		
PROJECT NO.	4272.90	MAP NO.	H-14
		SHEET	6
		OF	29

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		ENGINEER'S SEAL	
CONTRACT NO.	ATMCI	STA. NW47-11	NMSHC BRASS TABLET SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED IN THE MEDIAN OF THE 3200 BLOCK OF SECOND STREET, NW APPROXIMATELY 400 FEET SOUTH OF MILDRED AVE.	DATE	10-91	BY	A.A.R.	NO.	
DATE	12-94	DATE	12-94	DATE	12-94	DATE	12-94	DATE	12-94
RECORDED BY	NO	ELEV.	4988.533	RECORDED BY	NO	ELEV.	4988.533	RECORDED BY	NO

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE

DESIGNED BY	JM	DATE	Nov. 1991
DRAWN BY	TL, AM	DATE	Dec. 1991
CHECKED BY	JM, JA	DATE	Dec. 1991

4975
4970
4965
4960
4955
4950
4945
4940
4935



As built note:
Existing services were
replaced with 1" Copper.

- As built note:
Existing services were
replaced with 1" Copper.

⑥ SURVEYLINE
(C OF STREET)

⑥ SURVEYLINE
(C OF STREET)

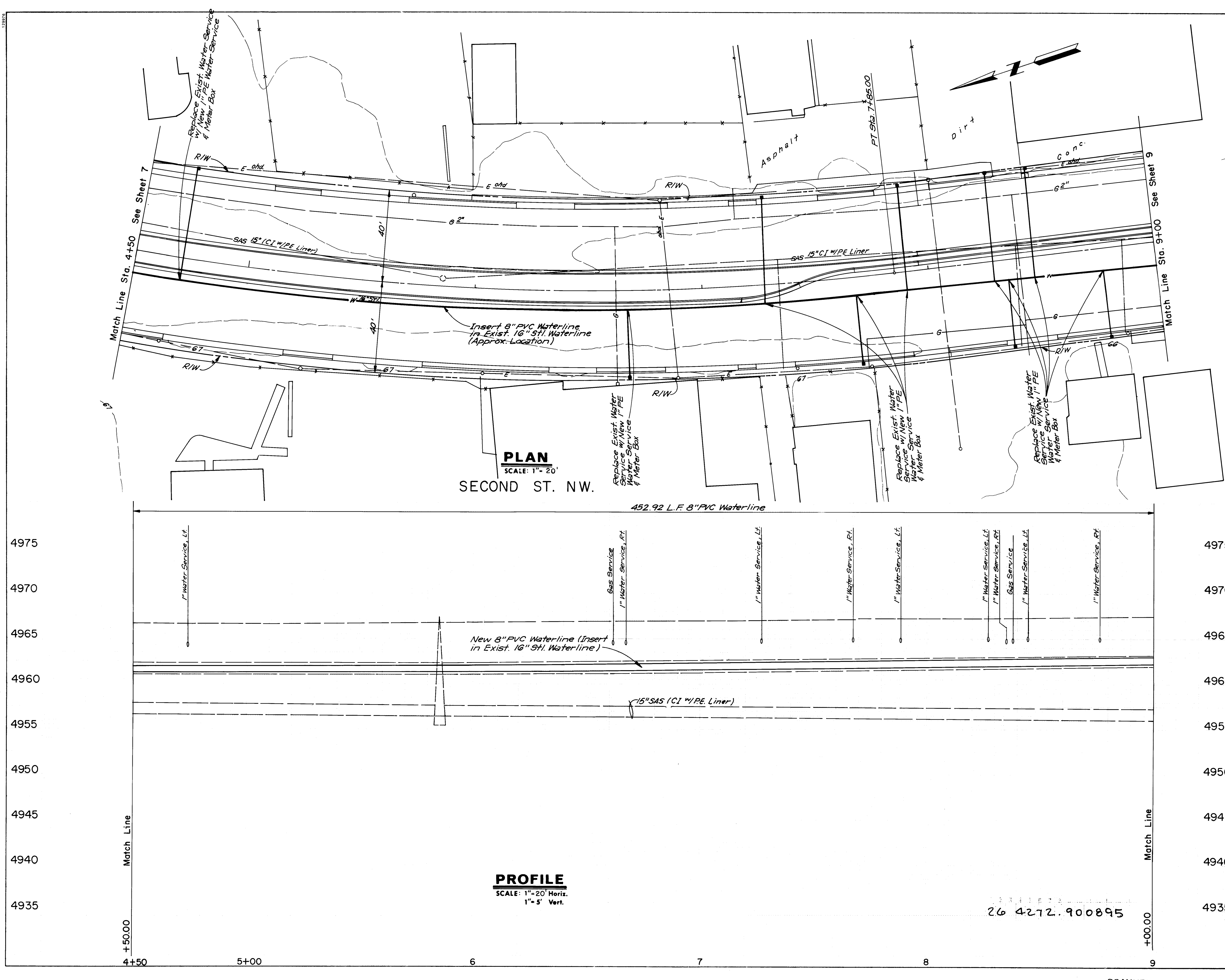
As built note:
Existing services were
replaced with 1" Copper.

26 4272.900795

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS-PHASE I STORM ST. WATERLINE-STA. 2+37 TO STA. 4+50											
APPROVALS		ENGINEER		DATE		APPROVALS		ENGINEER		DATE	
D.R.C. Chair		<i>B.G. Goshaly</i>		1-7-98		WATER		<i>William Bales</i>		11-24-92	
Trans. Dev		<i>Steve Davis</i>		12-2-92		WASTE WATER		<i>William Bales</i>		11-24-92	
Utility Dev		<i>H.M. Steve Davis</i>		11-19-92							

DRAWING NO. 4272.90	MAP NO. H-14	SHEET 7	OF 29
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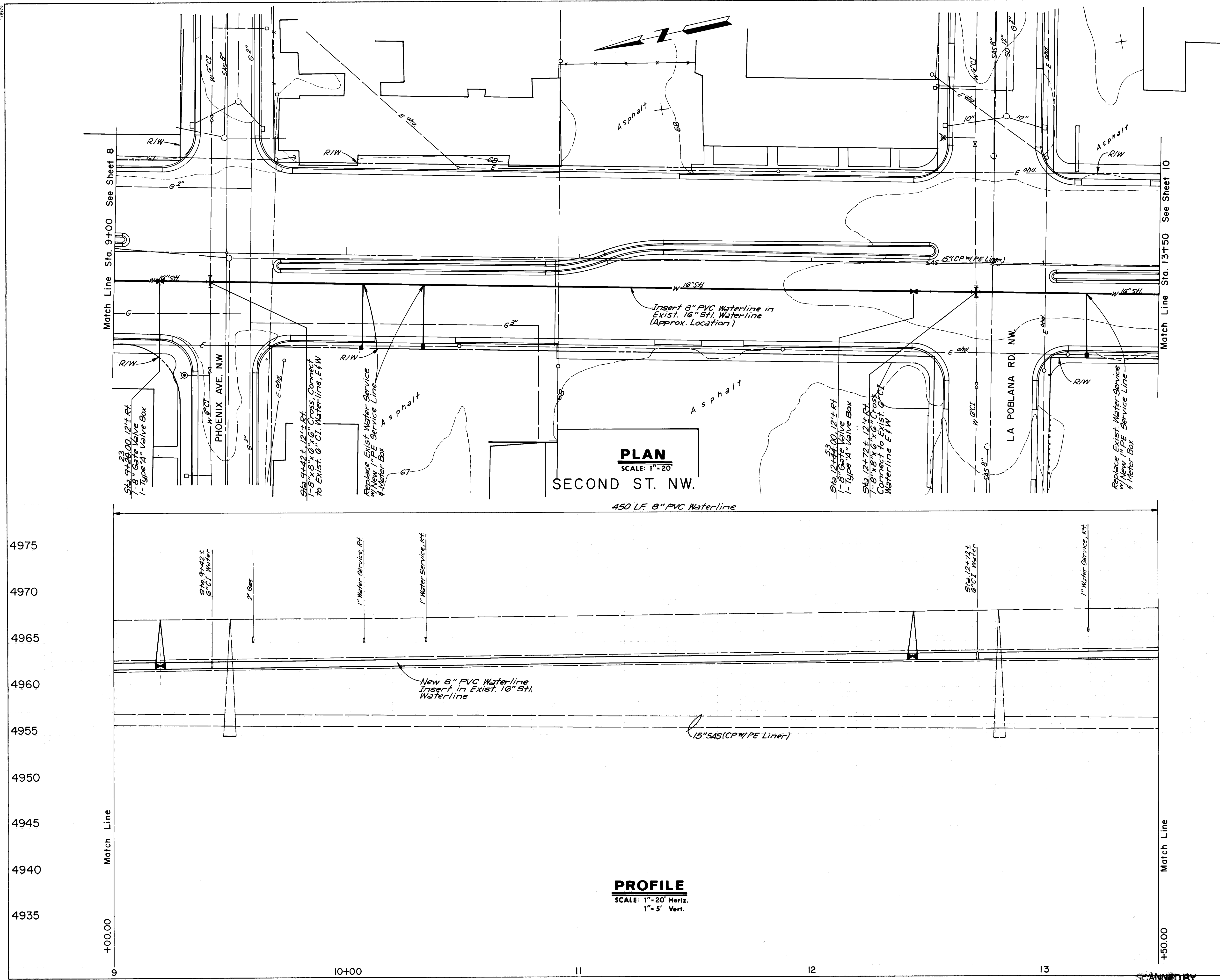
NOTE
See Sheet 7 for Size & Location
of Water Services.

CURVE DATA
@ SURVEYLINE
(@ OF STREET)
R= 1145.92'
L= 401.40'
T= 202.78'
Δ= 20°04'12"
Δ/20' JT= NA

RECORD DRAWING
Richard Smith

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS-PHASE I SECOND ST. WATERLINE - STA. 4+50 TO STA. 9+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>B.P. Gooding</i>	1-7-93	WATER	<i>William Balch</i>	11-24-92
Trans. Dev	<i>B. Gooding</i>	12-27-92	WASTE WATER	<i>William Balch</i>	11-24-92
Utility Dev	<i>Steve Gaby</i>	11-19-92			
DRAWING NO. 4272.90			MAP NO. H-14		
SHEET 8			OF 29		

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
STA. NM47-11	NMHC BRASS TABLET SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED IN THE MEDIAN OF THE 3200 BLOCK OF SECOND STREET, NW APPROXIMATELY 400 FEET SOUTH OF MILDRED AVE. ELEV. 4968.533	STA. NM47-11	NMHC BRASS TABLET SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED IN THE MEDIAN OF THE 3200 BLOCK OF SECOND STREET, NW APPROXIMATELY 400 FEET SOUTH OF MILDRED AVE. ELEV. 4968.533	NO	BY	DATE	DATE
MICRO FILM INFORMATION		MICRO FILM INFORMATION		MICRO FILM INFORMATION		MICRO FILM INFORMATION	



NOTE
See Sheet 7 for Size & Location
of Water Services.

AS BUILT INFORMATION
DATE 5/94
BY AA:R
PROJECT NO. 4272.90
SHEET 9 OF 29

BENCH MARKS
STA. NM47-11
NMSHC BRASS TABLET SET IN TOP OF A CONCRETE
POST FLUSH WITH THE GROUND LOCATED IN THE
MEDIAN OF THE 3200 BLOCK OF SECOND STREET, NW
APPROXIMATELY 400 FEET SOUTH OF MILDRED AVE.
ELEV. 4968.533

SURVEY INFORMATION
DATE 10-91
BY AA:R
NO. 4272.90

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
ANDREWS, ASBURY & ROBERT, INC.
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

REVISIONS
NO. DATE REMARKS
1 11-21-92
2 11-21-92
3 11-21-92

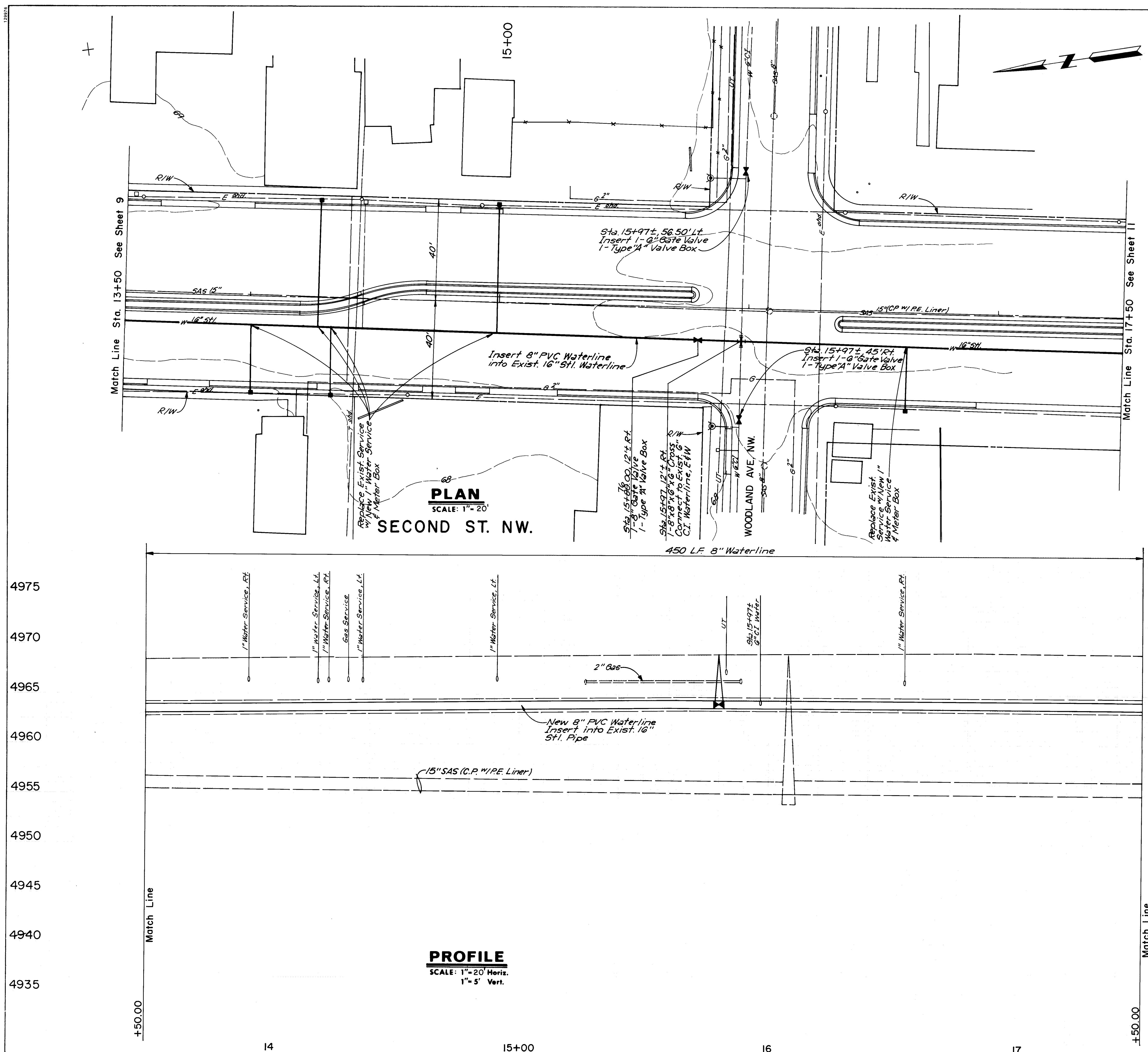
DESIGNED BY JM
DRAWN BY AM
CHECKED BY JM, JA

TITLE: SECOND STREET & ODELIA
STORM DRAIN IMPROVEMENTS-PHASE I
SECOND ST. WATERLINE - STA. 9+00 TO STA. 13+50

APPROVALS
ENGINEER DATE 1-7-93
DRC Chair 1-7-93
Trans Dev 1-7-93
Utility Dev 1-7-93

APPROVALS
ENGINEER DATE 11-21-92
DRC Chair 11-21-92
Trans Dev 11-21-92
Utility Dev 11-21-92

DRAWING NO. 4272.90
MAP NO. H-14
SHEET 9 OF 29



NOTE:
See Sheet 7 for Size & Location
of Water Services.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
DATE	9/94	STA. NM47-11	DATE	NO.	BY		REVISIONS
DATE	9/94	DATE	10-91	NO.	BY		
DATE	9/94	DATE	10-91	NO.	BY	DESIGNED BY	DATE
DATE	9/94	DATE	10-91	NO.	BY	DRAWN BY	DATE
DATE	9/94	DATE	10-91	NO.	BY	CHECKED BY	DATE

RECORD DRAWING
Richard Smith

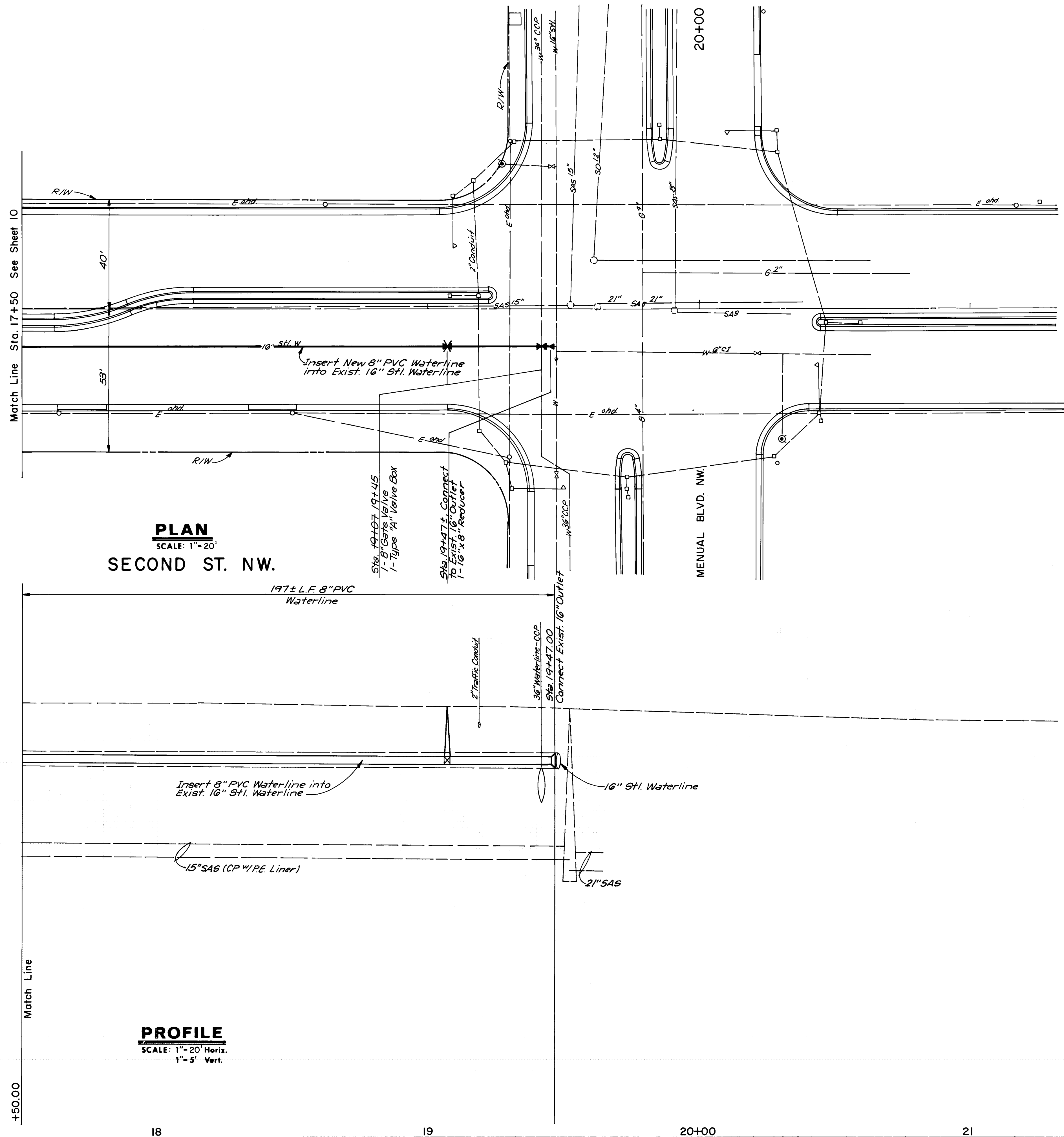
26 4272.901095

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SECOND STREET & ODELIA
STORM DRAIN IMPROVEMENTS-PHASE I**
SECOND ST. WATERLINE- STA. 13+50 TO STA. 17+50

APPROVALS	ENGINEER	DATE	APPROVALS	DATE
D.R.C. Chair	William Balch	1-7-93	WATER	William Balch 11-21-92
Trans. Dev.	William Balch	12-01-92	WASTE WATER	William Balch 11-21-92
Utility Dev.	William Balch	1-19-92		

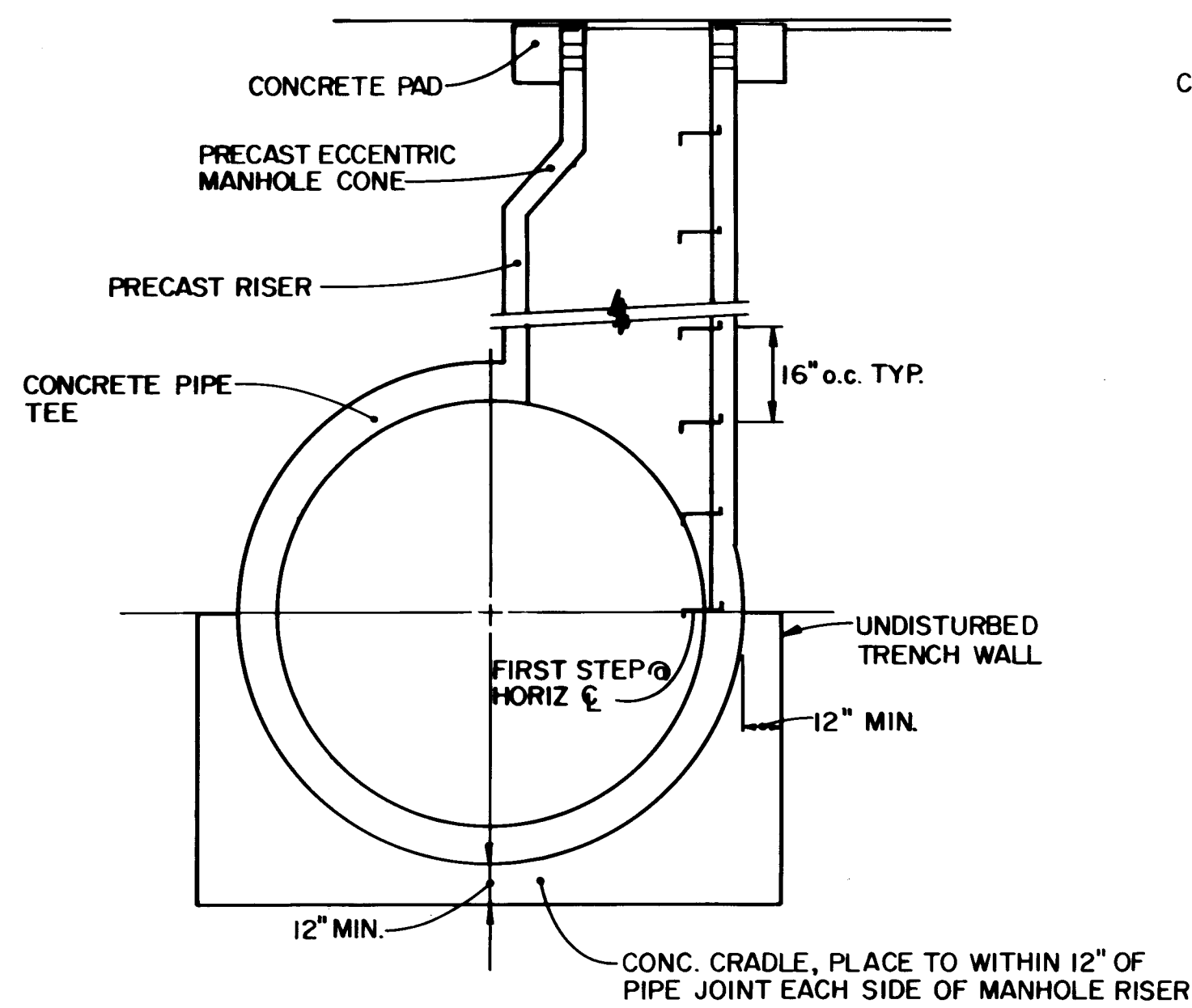
DRAWING NO. **4272.90** MAP NO. **H-14** SHEET **10** OF **29**



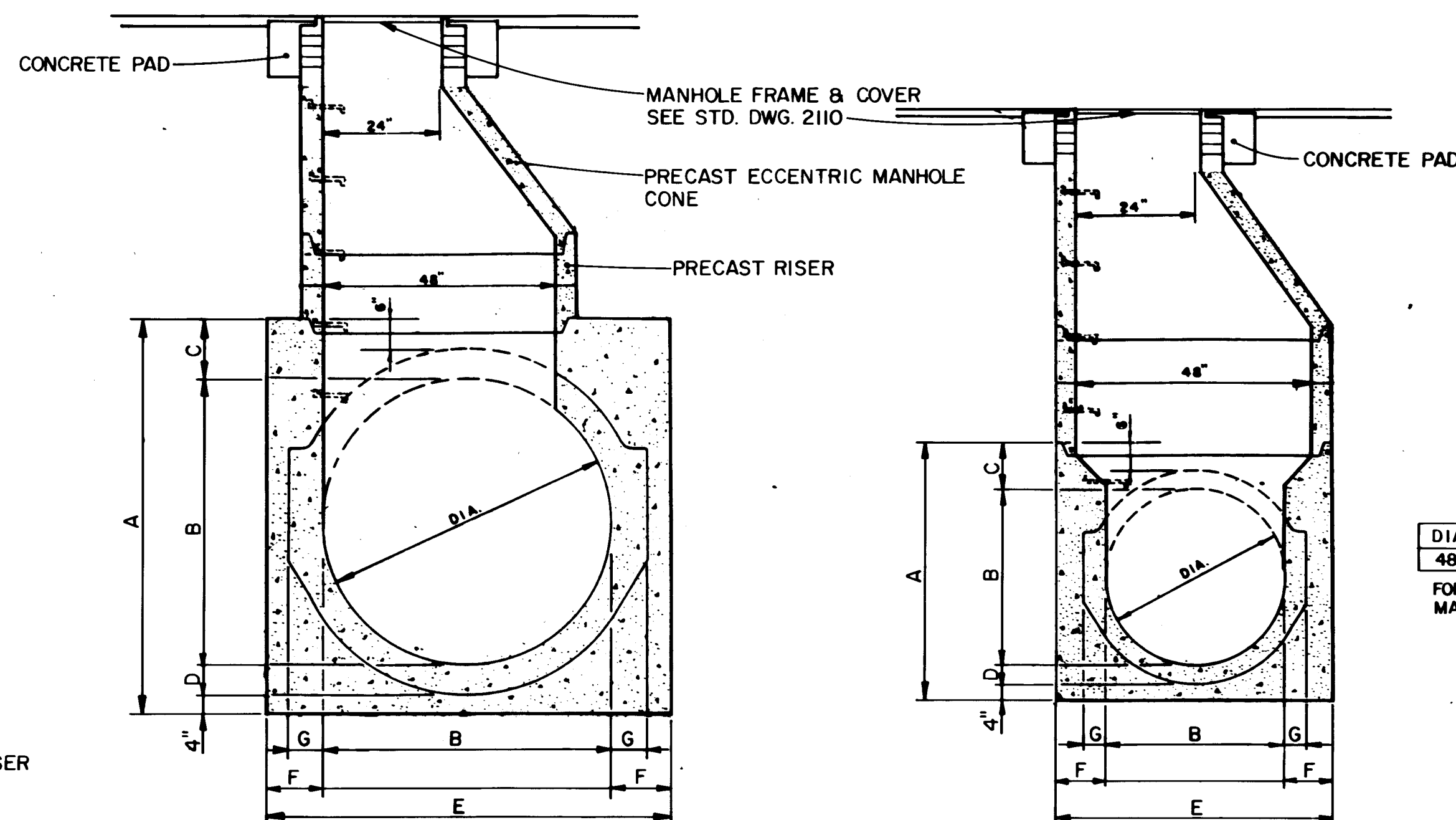
RECORD DRAWING
Richard Smith

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS-PHASE I SECOND ST. WATERLINE- STA. 17+50 TO STA. 19+47±					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>B. G. Seabolt</i>	1-7-93	WATER	<i>William Baker</i>	11-24-92
Trans. Dev	<i>R. Smith</i>	12-02-92	WASTE WATER	<i>William Baker</i>	11-24-92
Utility Dev	<i>HYD.</i>	<i>John DeLong</i>			
DRAWING NO. 4272.90			SHEET OF 11 29		

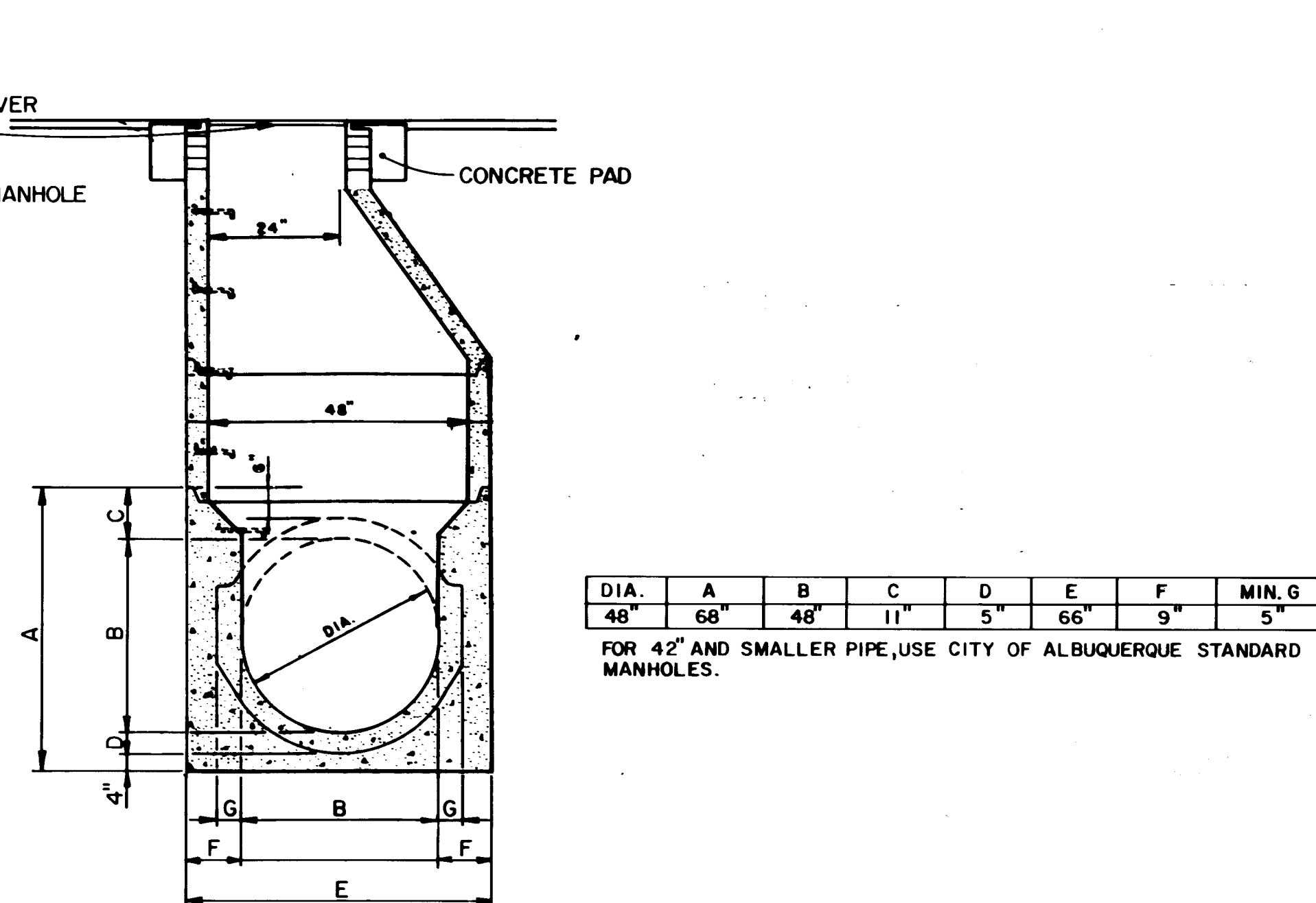
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		STA. NM47-11		CONTRACT NO. 87021	
		DATE		INSPECTOR'S FIELD RANGE BY		DATE	
		BY		NO.		DATE	
		A.A.R		NO.		DATE	
		10-91		NO.		DATE	
NO.		REMARKS		BY		DATE	
BY		NO.		DATE		DATE	
REVISIONS		NO.		DATE		DATE	
DESIGN		NO.		DATE		DATE	
DESIGNED BY J.M		DATE Mar. 1992		NO.		DATE	
DRAWN BY AM		DATE Mar. 1992		NO.		DATE	
CHECKED BY J.M, JA		DATE Mar. 1992		NO.		DATE	



**RCP OPTION
FOR 48" DIA. & LARGER PIPE**



CAST-IN PLACE CONCRETE OPTION

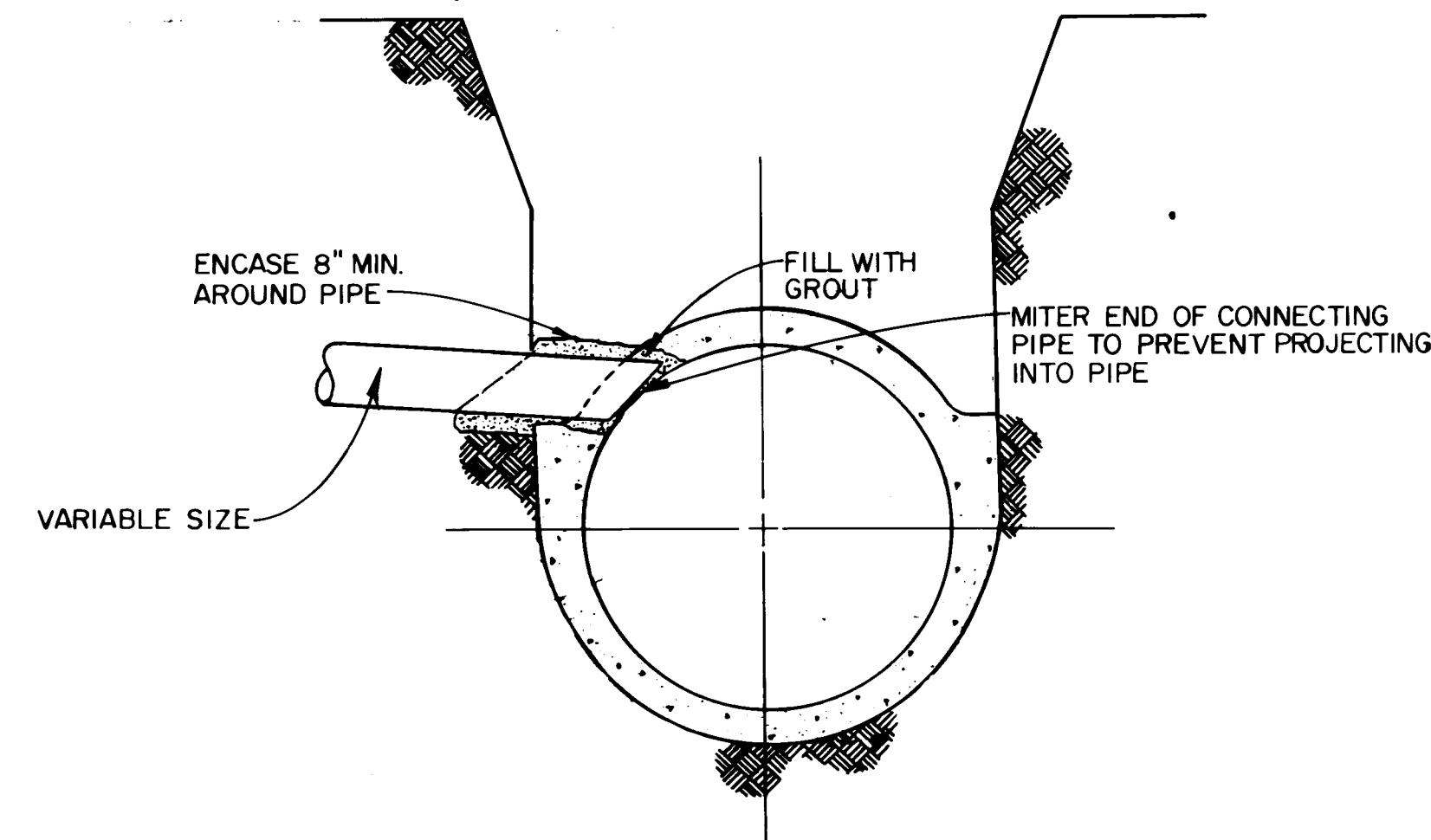


TYPICAL OFFSET MANHOLE

DIA.	A	B	C	D	E	F	MIN. G
54"	75"	54"	11 1/2"	5 1/2"	75"	10 1/2"	5 1/2"
60"	82"	60"	12"	6"	82"	11"	6"
66"	89"	66"	12 1/2"	6 1/2"	89"	11 1/2"	6 1/2"
72"	96"	72"	13"	7"	96"	12"	7"
84"	110"	84"	14"	8"	110"	13"	8"
96"	124"	96"	15"	9"	124"	14"	9"

DIA.	A	B	C	D	E	F	MIN. G
48"	68"	48"	11"	5"	66"	9"	5"

FOR 42" AND SMALLER PIPE, USE CITY OF ALBUQUERQUE STANDARD MANHOLES.



**TYPICAL PIPE CONNECTION TO
CAST-IN PLACE PIPE WITHOUT MANHOLE**

SCANNED BY
BY LASON

RECORD DRAWING
Richard Smith

26 4272.901895

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

PROJECT NO. 4272.90				MAP H-14		SHEET 13		OF 29	
DRG CHAIRMAN 1-7-93				WATER		DATE 11-21-92			
TRANSPORTATION 12-22-91				WASTE WATER		DATE 11-21-92			
HYDROLOGY 11-19-92									
DESIGNED BY J/M				DATE Dec. 1991		CHECKED BY J/M, JA		DATE Dec. 1991	
DRAWN BY AM				DATE Dec. 1991		REVISIONS			
NO.				DATE		BY			
REMARKS									
DESIGN									

ENGINEER'S SEAL		AS BUILT INFORMATION	
		CONTRACTOR: <i>AMCI</i> INSPECTOR'S: <i>COA</i> DATE: <i>12/91</i> VERIFICATION BY: <i>AA:R</i> DATE: <i>12/94</i> VERIFICATION BY: <i>COA</i> DATE: <i>12/94</i> VERIFICATION BY: <i>AA:R</i> DATE: <i>12/94</i> MICRO-FILM INFORMATION RECORDED BY: <i>NO</i> DATE: <i>NO</i>	
STA. 4047-11 NMSHC BRASS TABLET SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED IN THE MEDIAN OF THE 3200 BLOCK OF SECOND STREET, NW APPROXIMATELY 400 FEET SOUTH OF MILDRED AVE. ELEV. 4968.533		SURVEY INFORMATION FIELD NOTES NO. <i>AA:R</i> DATE <i>10-91</i>	
BENCH MARKS STA. 4047-11 NMSHC BRASS TABLET SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED IN THE MEDIAN OF THE 3200 BLOCK OF SECOND STREET, NW APPROXIMATELY 400 FEET SOUTH OF MILDRED AVE. ELEV. 4968.533		MICRO-FILM INFORMATION RECORDED BY: <i>NO</i> DATE: <i>NO</i>	

PROJECT NO. 4272.90	MAP NO. H-14	SHEET 14	OF 29
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CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

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

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LAKE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. "BLANKET" PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LAKE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

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.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP 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.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

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

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ~~CONTRACTOR SHALL NOT BEGIN WORK BEFORE 8:30 A.M. OR END WORK AFTER 4:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.~~

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

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

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

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

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

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, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPANCY 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.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLACED IMMEDIATELY COVERED OR REBARRICADED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

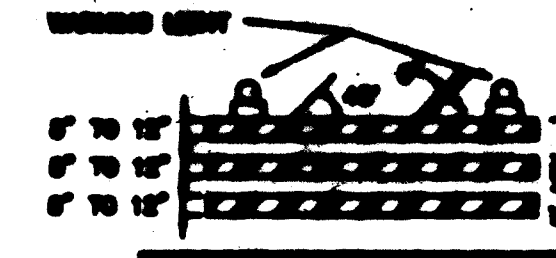
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 18 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

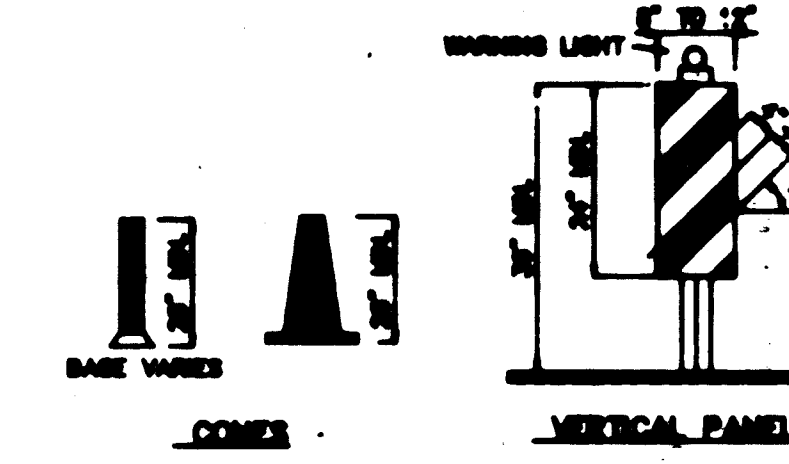
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES



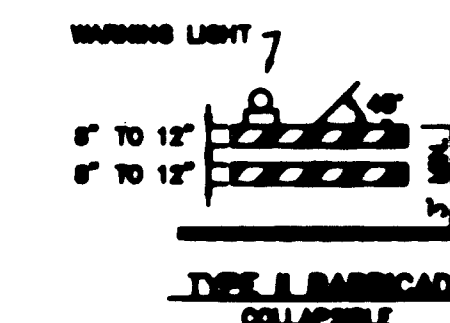
TYPE II BARRICADE



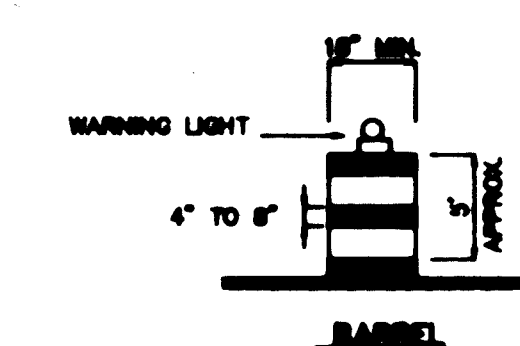
CONES

VERTICAL PANEL

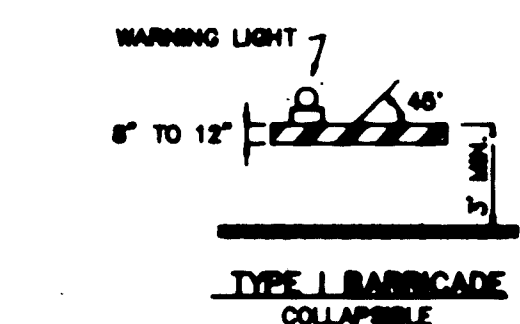
HIGH LEVEL WARNING DEVICE



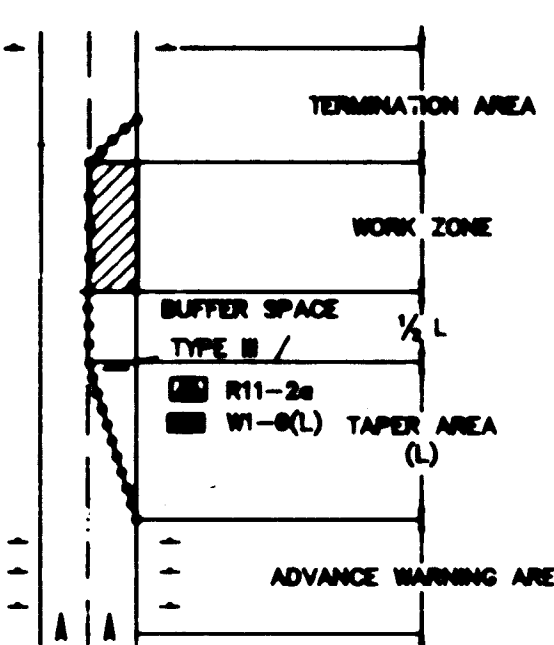
TYPE I BARRICADE



TYPE I BARRICADE



TYPE I BARRICADE



TRAFFIC CONTROL ELEMENTS

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARRIOL
- BARRICADE - TYPE II
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW
- THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		BEFORE TAPER	AFTER TAPER
20	70	75	80	8	20	20
25	105	115	125	8	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	485	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES

SPEED LIMIT (MPH)	MINIMUM DISTANCE IN FEET	
	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
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

TAPER CRITERIA

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
DOWNSIDE TAPERS	100 FEET PER LANE

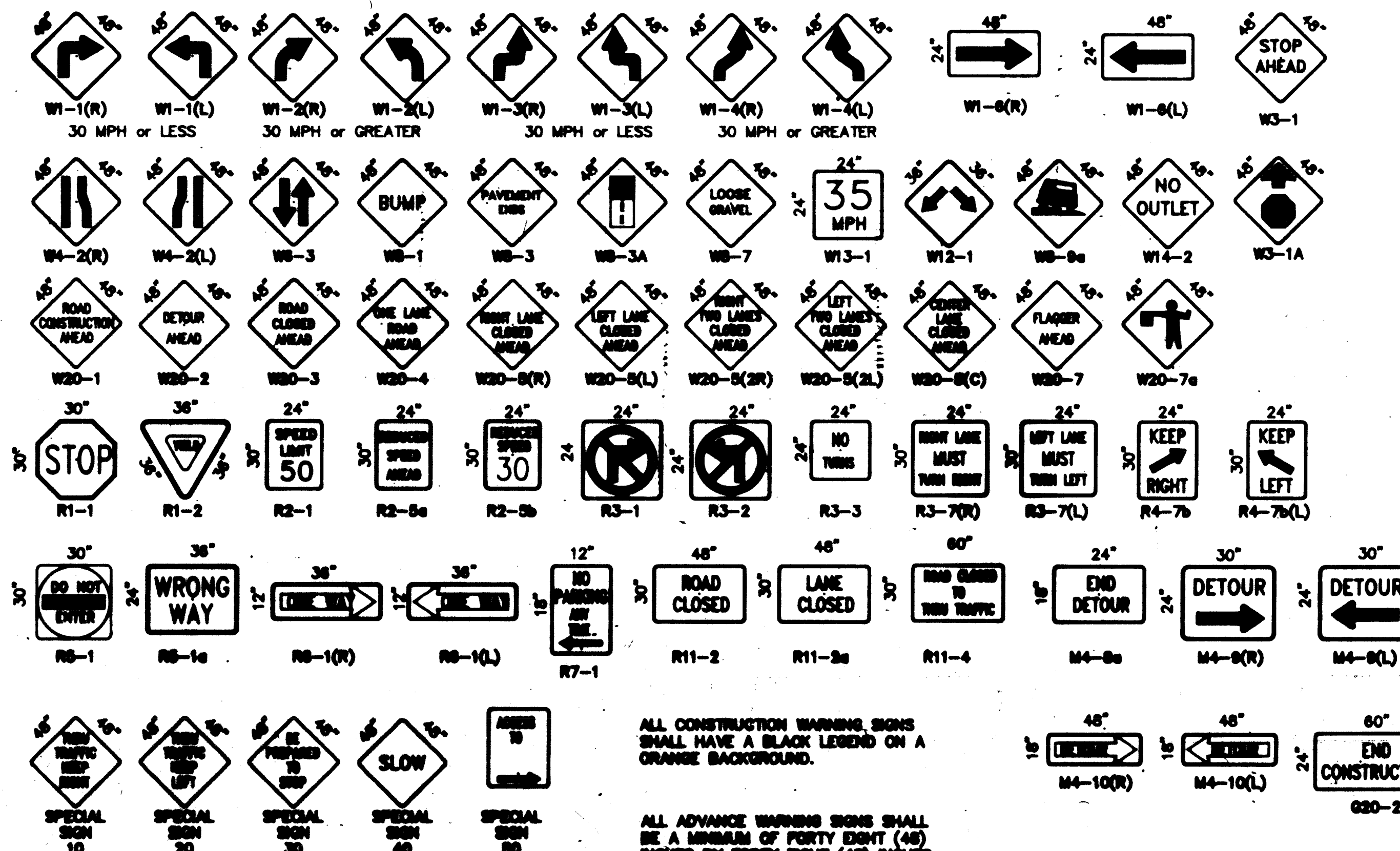
TAPER LENGTH COMPUTATION

SPEED LIMIT	L =
40 MPH OR LESS	$L = \frac{W^2}{S}$
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

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SIGN FACE DETAILS

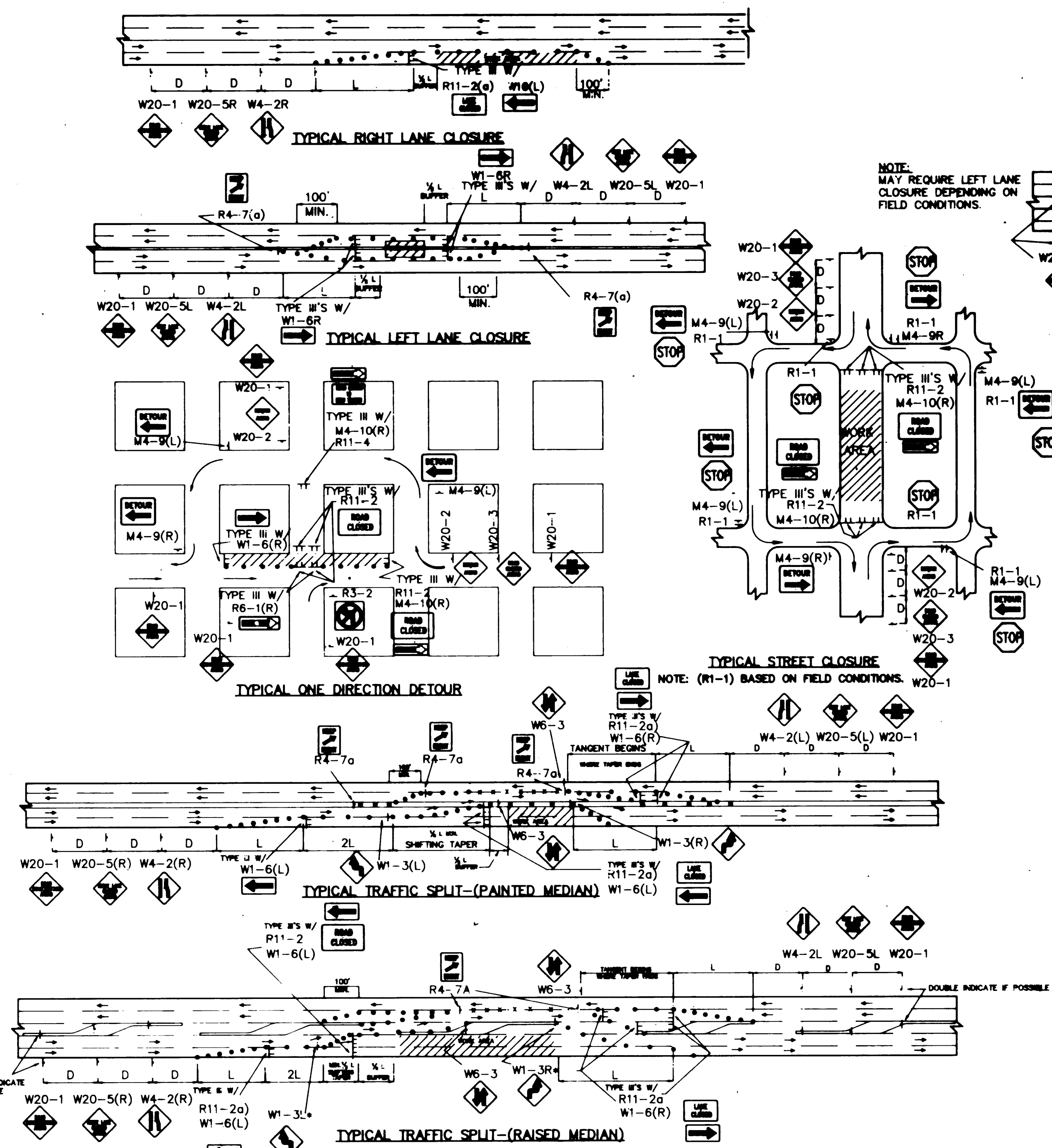


ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

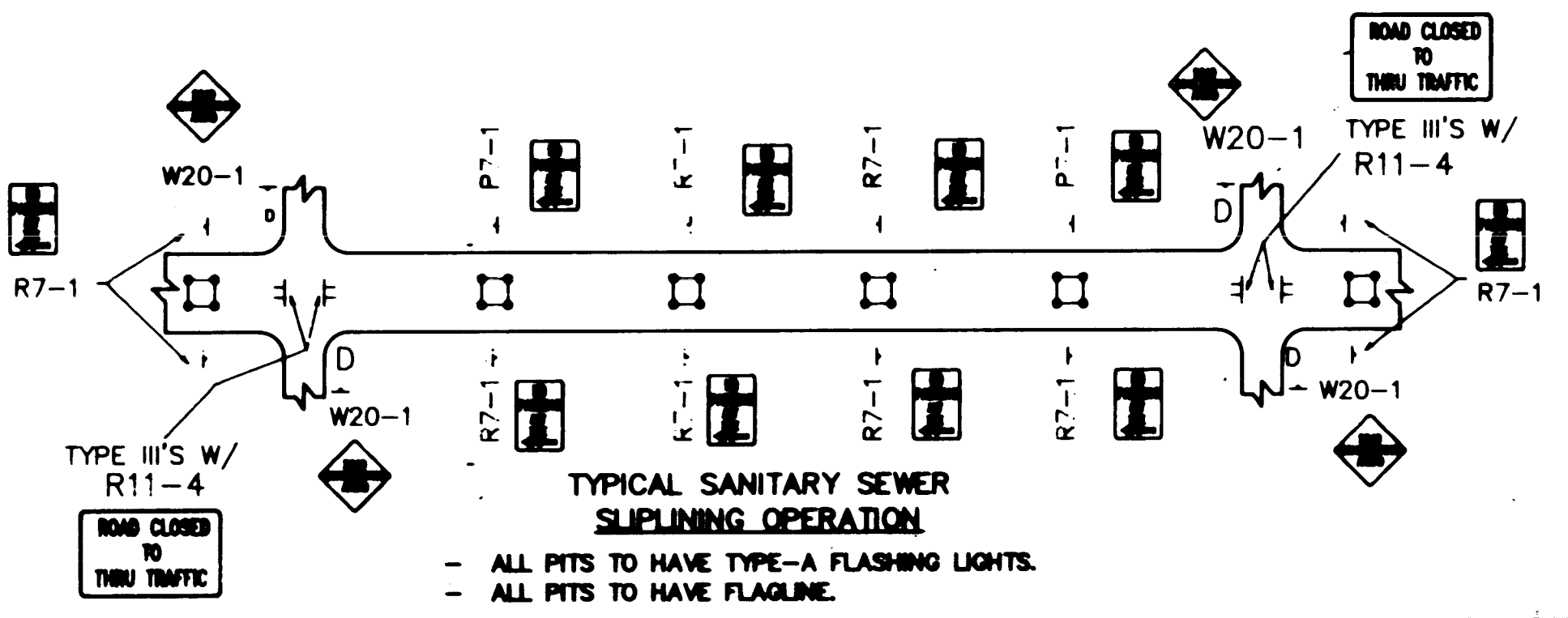
ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

RECORD DRAWING
Richard Smith

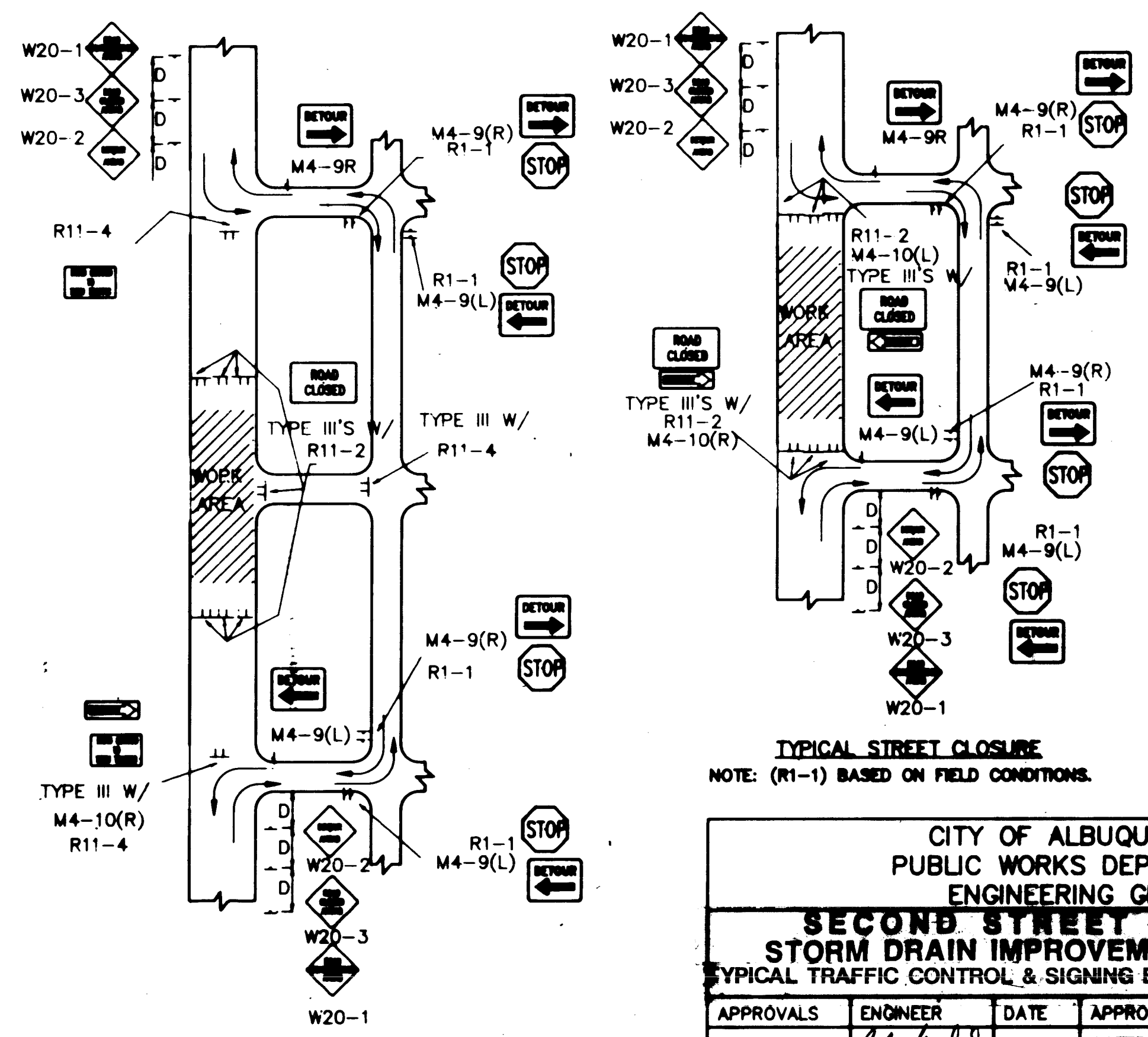
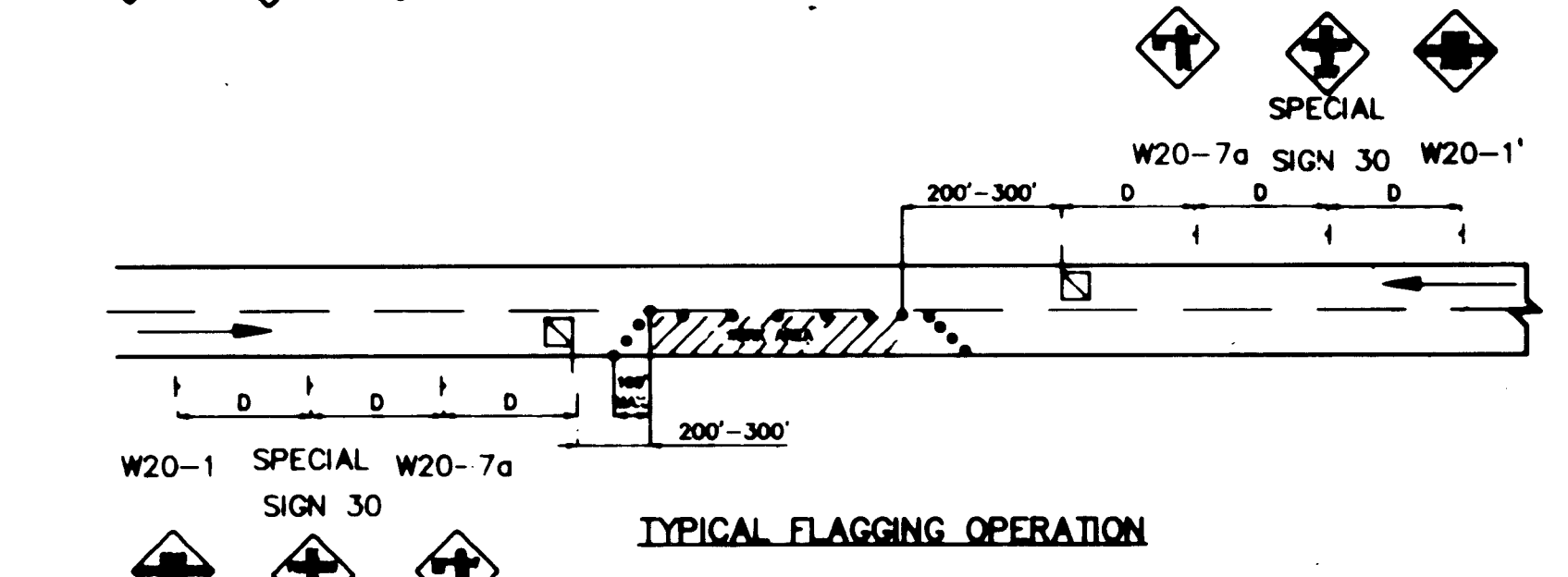
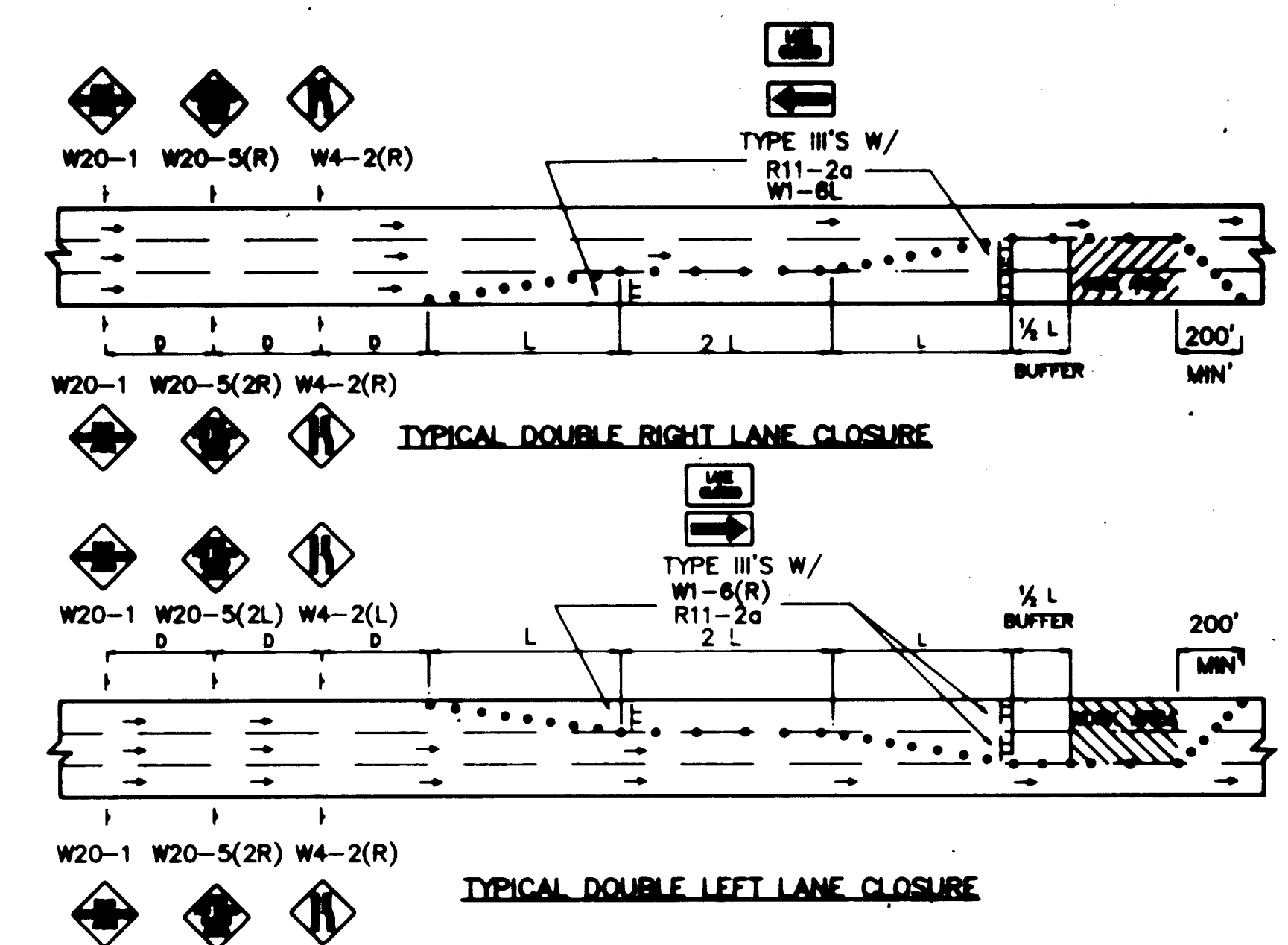
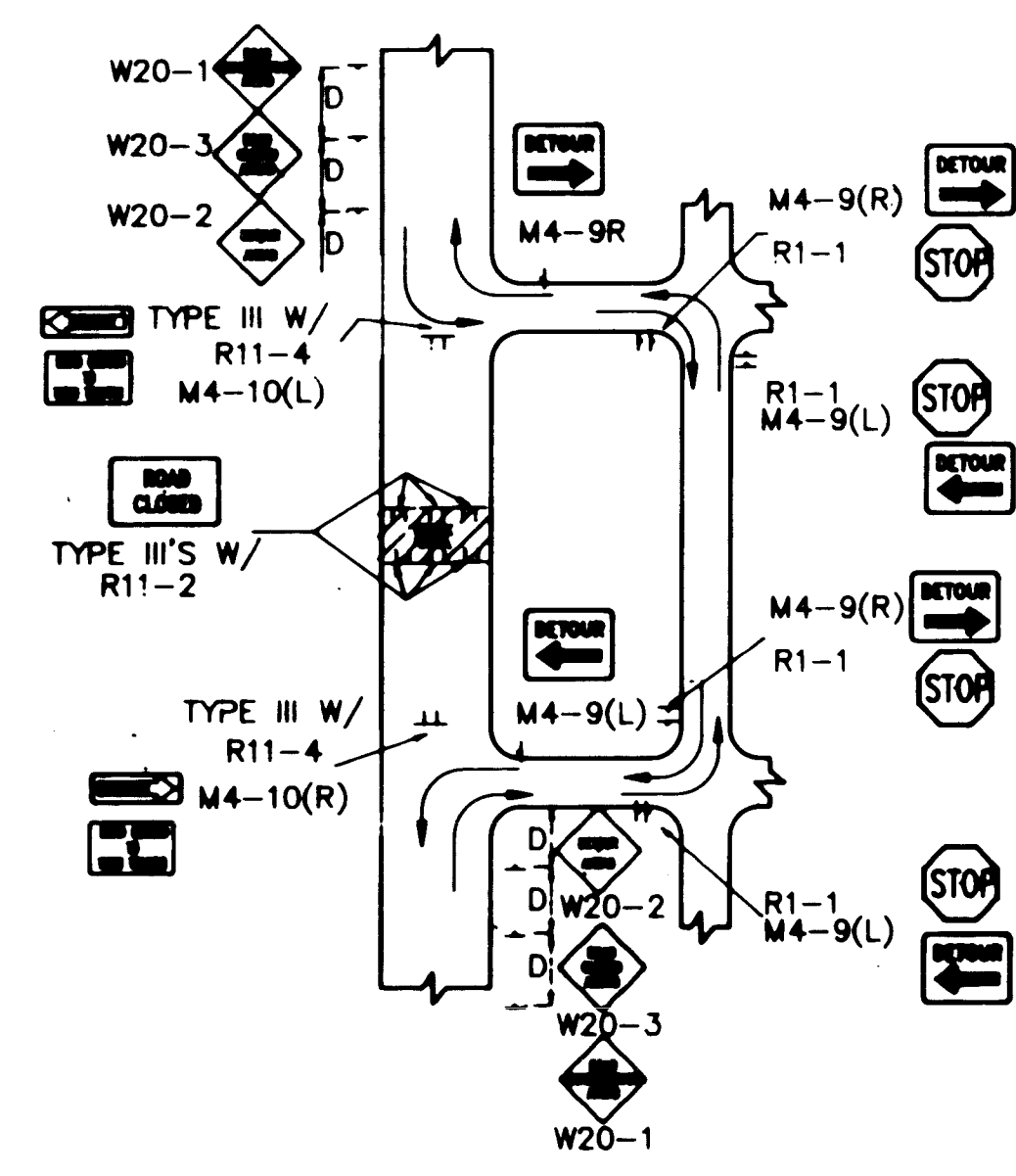
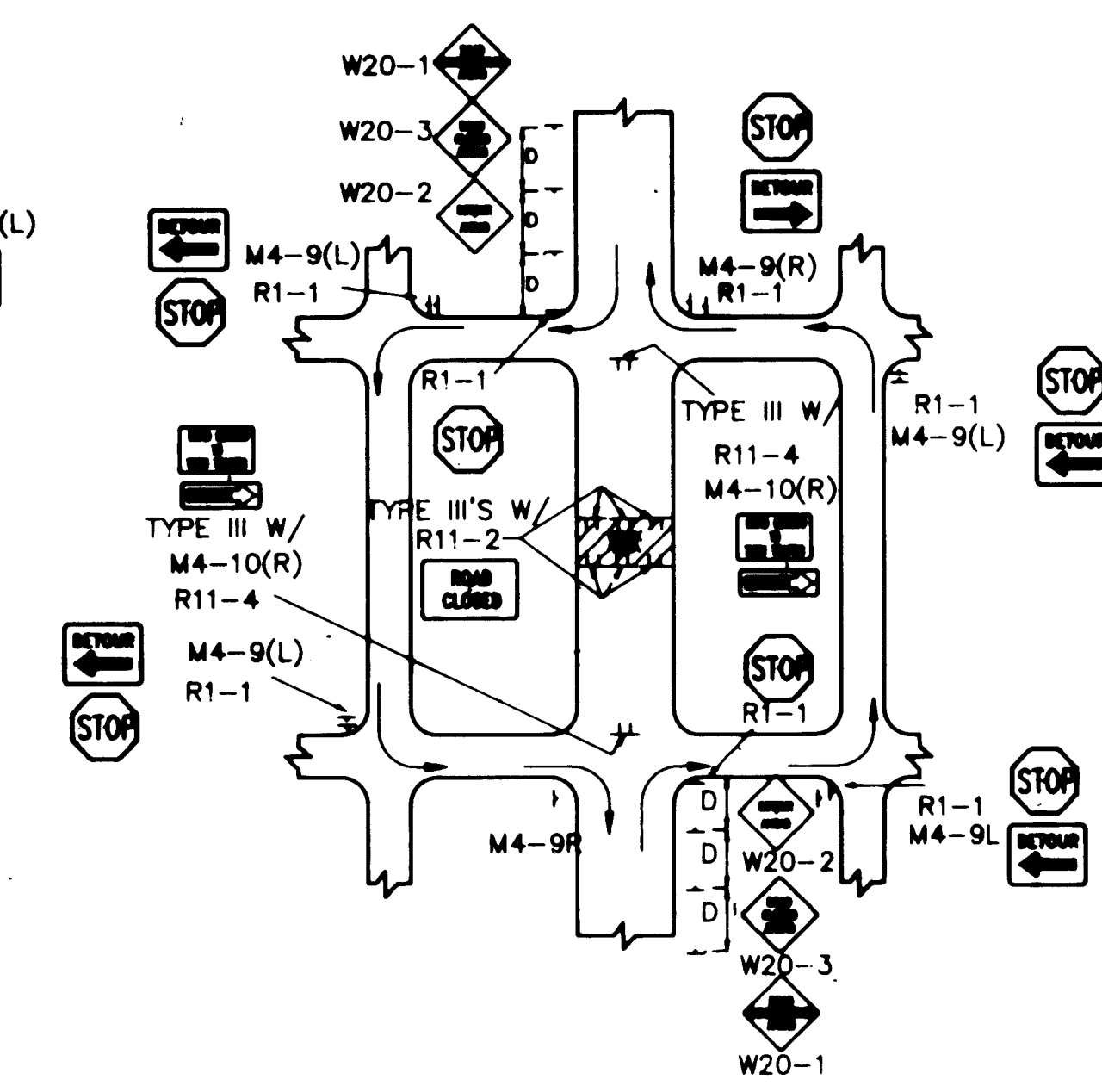
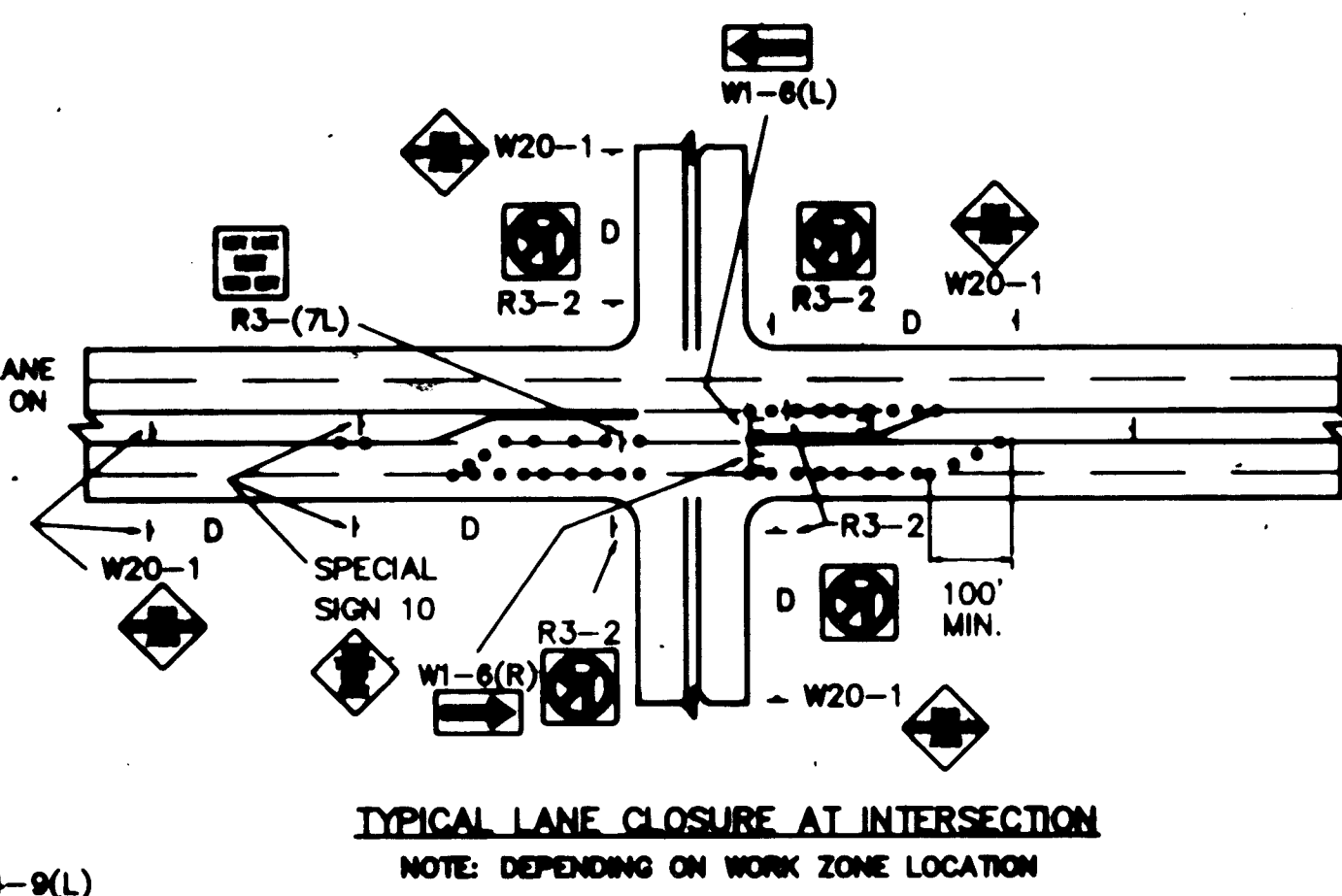
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
STORM DRAIN IMPROVEMENTS-PHASE I					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	12/7/93	WATER	12/24/93		
TRANSPORTATION	12/22/93	WASTE WATER	12/24/93		
HYDROLOGY	12/17/93				
PROJECT NO. 4272.90		MAP NO. H-14		SHEET OF 15 29	



- TRAFFIC SPLIT NOTES:**
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 2. 1/4 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
 3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/4 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
 5. REDUCED SPEED MAY BE CONSIDERED.
 6. • USE 1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



NOTE: MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.



26 4272.901695
TYPICAL STREET CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS.
RECORD DRAWING

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

**SECOND STREET & ODELIA
STORM DRAIN IMPROVEMENTS-PHASE I**

TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF.M.U.T.C.D.)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	1-7-93	WATER	<i>[Signature]</i>	11-24-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTE WATER	<i>[Signature]</i>	11-24-92
HYDROLOGY	<i>[Signature]</i>	11-19-92			

PROJECT NO. 4272.90

MAP NO. H-14

SHEET 16 OF 29

AS BUILT INFORMATION

DATE: 11-24-92
BY: A.A.F.R.
REMARKS: CONCRETE POST FLUSH WITH THE GROUND LOCATED IN THE MEDIAN OF THE 1200 BLOCK OF SECOND STREET, NW APPROXIMATELY 400 FEET SOUTH OF HILDED AVE. ELEV. 4956.533

ENGINEER'S SEAL

REVISIONS

NO. DATE

DESIGNED BY: RICARDO ROYAL, P.E. DATE: NOV. 1991
DRAWN BY: C.A.D.D./W.L.B./A.F.V. DATE: NOV. 1991
CHECKED BY: DATE

TRAFFIC CONTROL GENERAL NOTES

1. TRAFFIC CONTROL PLANS AND QUANTITIES MAY VARY AS FIELD CONDITIONS DICTATE. TRAFFIC CONTROL WILL BE PAID FOR ON A LUMP SUM BASIS AND SHALL INCLUDE PLACING, RELOCATING AND MAINTAINING TRAFFIC CONTROL DEVICES AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE PROJECT MANAGER. NO ADDITIONAL PAYMENT WILL BE MADE FOR CHANGES IN PLANS AND QUANTITIES DUE TO FIELD CONDITIONS.

2. TEMPORARY 'NO PARKING ANYTIME' SIGNS ARE REQUIRED ON THE WEST SIDE OF SECOND STREET FROM LA POBLANA ROAD TO MENAUL BOULEVARD DURING ALL PHASES OF THE SECOND STREET WATER LINE WORK. THE 'NO PARKING ANYTIME' SIGNS SHALL BE INSTALLED BY THE CITY TRAFFIC ENGINEERING OPERATIONS SECTION; THE CONTRACTOR SHALL NOTIFY TRAFFIC ENGINEERING (telephone 764-1599) OF THE NEED FOR INSTALLATION 3 WORKING DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE WATER LINE.

3. THE CITY WILL PLACE A NOTICE OF CONSTRUCTION ACTIVITY IN LOCAL NEWSPAPER(S) AT LEAST TWO WEEKENDS PRECEDING THE BEGINNING OF EACH MAJOR PHASE OF CONSTRUCTION. THE CONTRACTOR WILL PROVIDE THE PROJECT MANAGER WITH TIMELY SCHEDULE AND DETOUR INFORMATION AND UPDATES FOR PREPARATION OF THESE NOTICES. THERE WILL BE NO DIRECT COMPENSATION FOR THIS CONTRACTOR SERVICE.

4. DOWNSTREAM TAPERS SHALL BE 100' MINIMUM.

5. CONTRACTOR SHALL PROVIDE ALL TEMPORARY STRIPING FOR EACH CONSTRUCTION PHASE.

6. TEMPORARY STRIPING SHALL BE PLACED WHERE THE CONTRACTOR'S OPERATION HAS OBLITERATED THE EXISTING OR PREVIOUS TEMPORARY STRIPING AT THE END OF EACH WORKDAY. THE TEMPORARY STRIPING SHALL BE FOUR (4) INCH WIDE PLASTIC TAPE AS APPROVED BY THE PROJECT MANAGER.

7. CONTRACTOR SHALL REMOVE ALL EXISTING CONFLICTING STRIPING FOR EACH PHASE.

8. SAME DIRECTION CENTERLINE SHALL BE SKIP WHITE STRIPING EXCEPT REVERSE CURVES. ALL REVERSE CURVES CENTERLINE SHALL BE SOLID WHITE STRIPING.

9. OPPOSITE DIRECTION CENTERLINE SHALL BE 4" DOUBLE YELLOW SOLID STRIPING WITH 4" SPACE BETWEEN STRIPES.

10. ADJUSTMENT OF TRAFFIC CONTROL IN FIELD WILL BE ALLOWED ONLY WITH THE APPROVAL OF THE PROJECT MANAGER.

11. ADJUSTMENT OF STRIPING IN FIELD WILL BE ALLOWED ONLY WITH THE APPROVAL OF THE PROJECT MANAGER.

12. CONTRACTOR SHALL INSPECT AND MAINTAIN ALL BARRICADES AT LEAST TWICE EACH WORK DAY AND ONCE DURING THE HOURS OF DARKNESS. ANY UNACCEPTABLE SITUATIONS ENCOUNTERED WILL BE CORRECTED IMMEDIATELY. THE CONTRACTOR SHALL KEEP A TRAFFIC CONTROL DIARY IN A FORMAT APPROVED BY THE PROJECT MANAGER. THIS DIARY SHALL BECOME A PART OF THE CITY'S PERMANENT FILE FOR THE PROJECT.
13. ALL ADVANCE WARNING SIGNS AND BARRICADES MUST BE INSTALLED BEFORE CONSTRUCTION AS DIRECTED BY THE ENGINEER.

14. ALL SIGN LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATIONS WILL BE SELECTED IN THE FIELD TO MEET EXISTING CONDITIONS AND APPROVED BY THE PROJECT MANAGER.

15. ALL ADVANCE WARNING SIGNS NOT DIRECTLY APPLICABLE SHALL BE REMOVED COMPLETELY, BE COMPLETED COVERED OR TURNED AWAY FROM ONCOMING TRAFFIC.

16. ALL ADVANCE WARNING SIGNS WILL BE GROUND MOUNTED OR SINGLE OR DOUBLE POSTS WITH THE BOTTOM OF THE SIGN 7 FEET ABOVE SIDEWALK LEVEL. EXISTING POSTS MAY BE USED AT SOME LOCATIONS WITH THE APPROVAL OF THE PROJECT MANAGER. PORTABLE SIGN SUPPORT WILL BE ACCEPTABLE AS AN ALTERNATE WITH THE APPROVAL OF THE PROJECT MANAGER.

17. ALL EXISTING REGULATORY SIGNS THAT NEED TO BE REMOVED, RELOCATED OR REINSTALLED SHALL BE DONE BY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING DIVISION. THE CONTRACTOR SHALL NOTIFY THE TRAFFIC ENGINEERING DIVISION 3 WORKING DAYS IN ADVANCE OF ANY REQUIRED WORK.

18. TRAFFIC CONTROL DEVICES REQUIRED AFTER DARK ARE TO BE EQUIPPED WITH WARNING LIGHTS. TYPE (A) FLASHING WARNING LIGHTS SHALL BE USED ON ALL ADVANCE WARNING SIGNS AND ON ALL DEVICES WHICH ARE INTENDED TO WARN MOTORISTS OR PEDESTRIANS OF HAZARDS OR OBSTRUCTION IN OR NEAR THE TRAVEL PATH. TYPE (C) STEADY BURN LIGHTS SHALL BE USED ON ALL DEVICES WHICH ARE INTENDED TO DEFINE THE TRAVEL PATH. THIS INCLUDE TAPERS AND TANGENTS.

19. BARRELS AND BARRICADES ARE NOT TO BE INTERMIXED IN THE SAME SERIES OF CHANNELIZATION.

20. BARRELS AROUND OPEN EXCAVATIONS AND VALVE REPAIRS ARE TO BE SPACED AT 10 FEET.

21.

22. LANE CLOSURES AND OTHER INDIVIDUAL SITUATIONS WILL BE ADDRESSED AS THEY ARISE. BARRICADING IS SUBJECT TO REVISION UPON APPROVAL OF THE ASSISTANT CITY ENGINEER FOR CONSTRUCTION COORDINATION. THE SECTIONS OF ROADWAY WHICH REMAIN OPEN TO TRAFFIC SHALL BE IN GOOD RIDING CONDITION AND FREE OF HAZARD TO TRAFFIC AND PEDESTRIANS.

23. MINOR CROSS STREETS MAY ONLY BE BLOCKED IF SUFFICIENT ALTERNATE ACCESS IS AVAILABLE TO AFFECTED PROPERTIES OR AS DETERMINED BY THE PROJECT MANAGER.

24. ANY ADJUSTMENT TO TRAFFIC SIGNAL PHYSICAL PLANT OR SIGNAL TIMING MUST BE APPROVED BY AND COORDINATED WITH THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS DIVISION.

Asbuilt note:
Traffic control phasing during construction deviated from that shown on these plans to fit existing conditions and contractors schedule.

RECORD DRAWING
Richard Smith

26 4272.90 1795

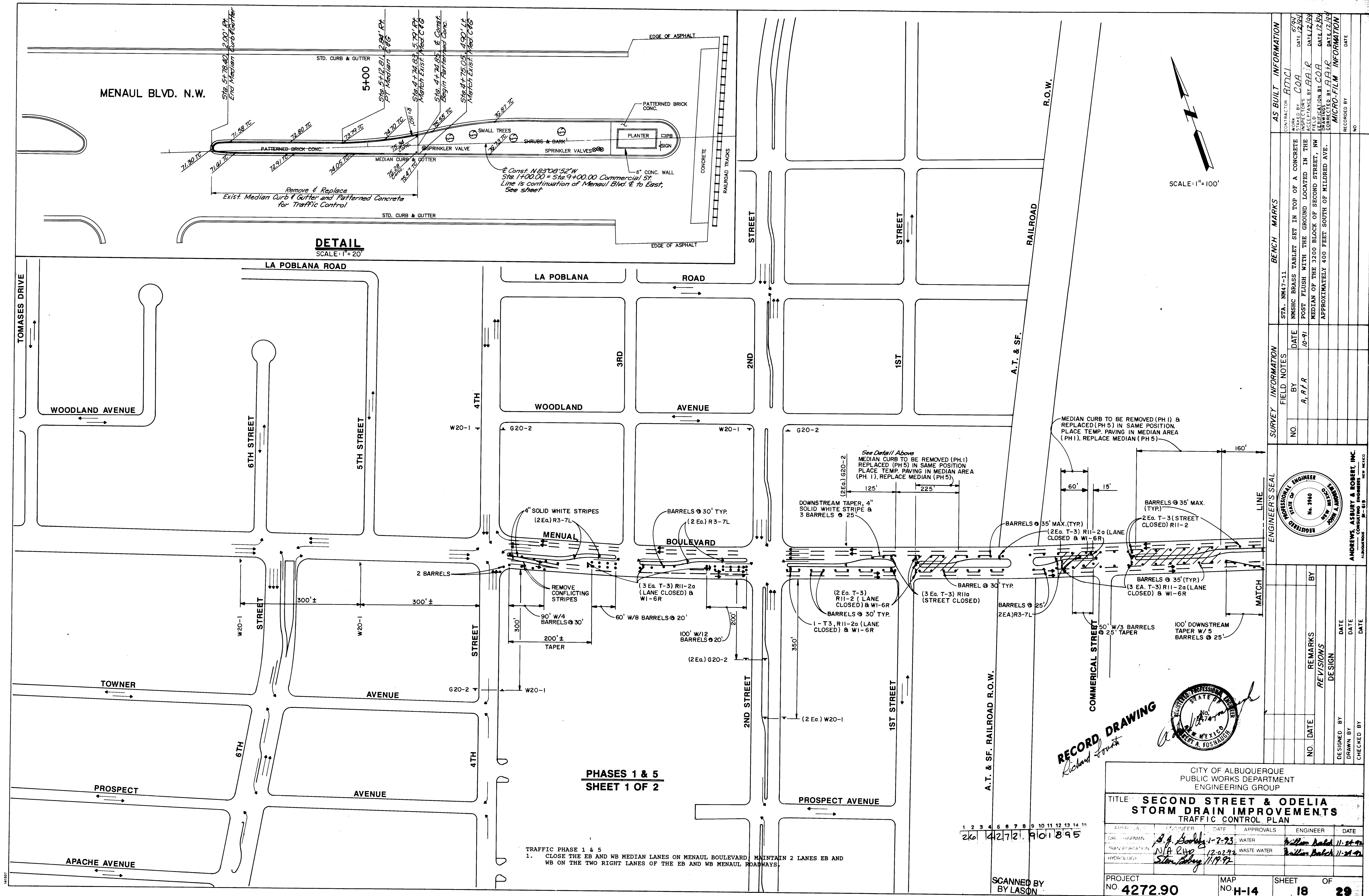


SCANNED BY
BY LASON

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS-PHASE I TRAFFIC CONTROL GENERAL NOTES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>B.A. Goble</i>	<i>1-7-93</i>	WATER	<i>William Balch</i>	<i>11-24-92</i>
TRANSPORTATION	<i>N/A RHD</i>	<i>12-02-92</i>	WASTE WATER	<i>William Balch</i>	<i>11-24-92</i>
HYDROLOGY	<i>Steve Bohrer</i>	<i>11-19-92</i>			
PROJECT NO. 4272.90		MAP NO. H-14	SHEET 17 OF 29		

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		STA. NM47-11		CONTRACTOR <i>RTCI</i>	
		DATE <i>10-91</i>		DATE <i>12/94</i>		DATE <i>12/94</i>	
		BY <i>A.A.F.R.</i>		POST FLUSH WITH THE GROUND LOCATED IN THE		WORK STAKED BY <i>COA</i>	
				MEDIAN OF THE 3200 BLOCK OF SECOND STREET, NW		FIELD ACCEPTANCE BY <i>AA:R</i>	
				APPROXIMATELY 400 FEET SOUTH OF WILDRED AVE.		FIELD LOCATION BY <i>COA</i>	
				ELEV. 4968.533		DRAWINGS CORRECTED BY <i>AA:R</i>	
						MICRO-FILM INFORMATION	
						RECORDED BY	
						DATE	
						NO	

ANDREWS, ASBURY & ROBERT, INC.
ALBUQUERQUE 811-619 NEW MEXICO



DETAIL
SCALE: 1" = 20'

PHASES 1 & 5
SHEET 1 OF 2

TRAFFIC PHASE 1 & 5
1. CLOSE THE EB AND WB MEDIAN LANES ON MENAUL BOULEVARD. MAINTAIN 2 LANES EB AND WB ON THE TWO RIGHT LANES OF THE EB AND WB MENAUL ROADWAYS.

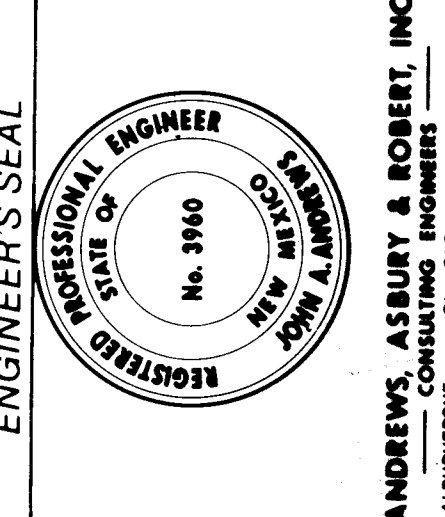
RECORD DRAWING
Richard Foust



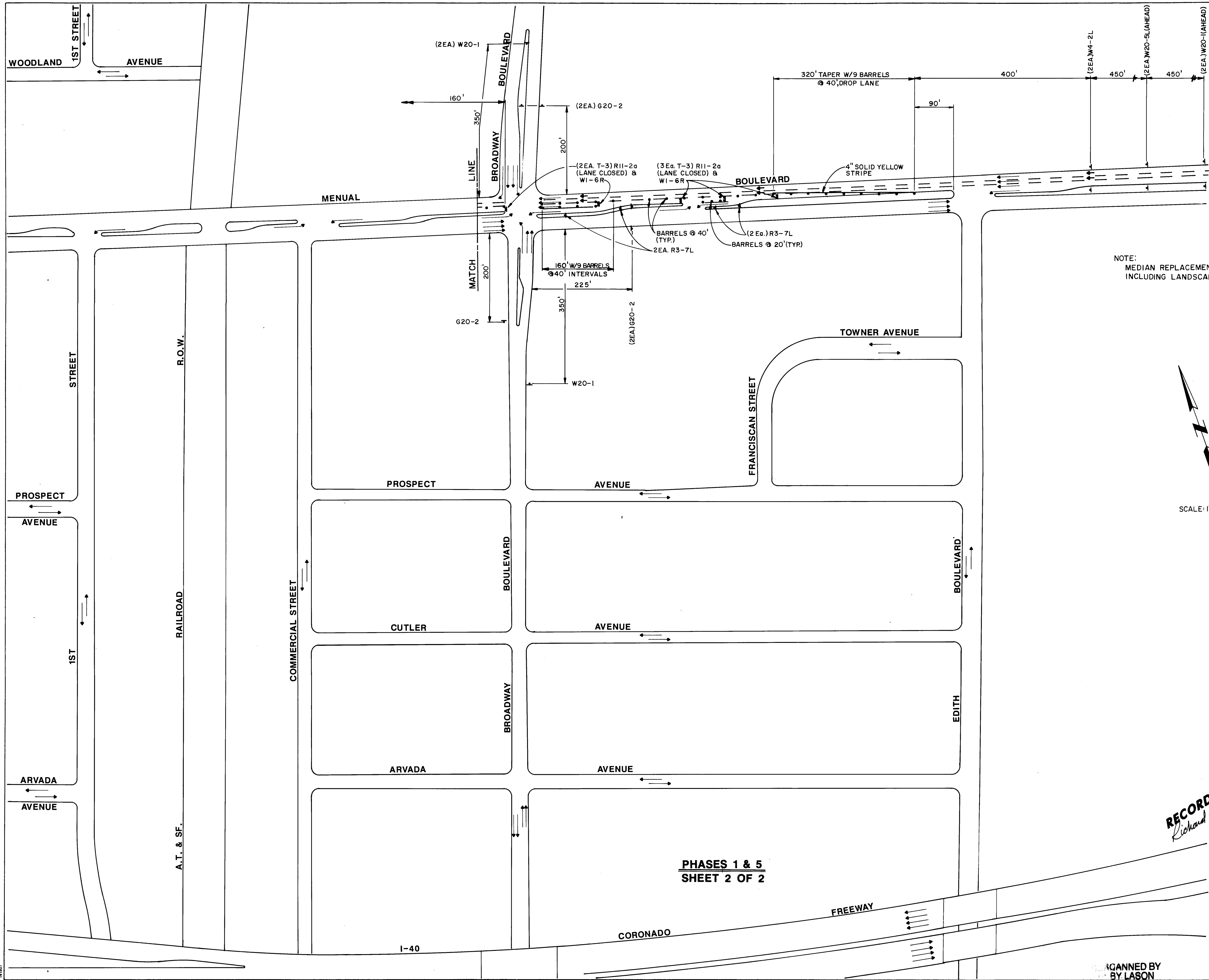
SCANNED BY
BY LASON

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS TRAFFIC CONTROL PLAN					
DESIGNED BY	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRAWN BY	TRANSPORTATION	1-7-93	WATER	William Balch	11-21-92
CHECKED BY	HYDROLOGY	1-19-92	WASTE WATER	William Balch	11-21-92
PROJECT NO. 4272.90		MAP NO. H-14		SHEET 18 OF 29	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	BY	FIELD NOTES	STA.	MARK
1	10-91	A, R, R		5747-11	CONTRACTOR B.M.C.I.
2					WORK BY COA
3					INSPECTOR'S DATE 12/24/92
4					ACCEPTANCE BY B.A.R. DATE 12/24/92
5					FIELD LOCATION BY COA DATE 12/24/92
6					DRAWINGS BY B.A.R. DATE 12/24/92
7					CORRECTED BY B.A.R. DATE 12/24/92
8					MICRO-FILM INFORMATION
9					RECORDED BY
10					DATE



REVISIONS		DESIGN	
NO.	DATE	BY	REMARKS
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			



NOTE:
MEDIAN REPLACEMENT TO BE "IN KIND"
INCLUDING LANDSCAPING.

SCALE: 1"=100'

PHASES 1 & 5
SHEET 2 OF 2

RECORD DRAWING
Richard Smith

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4272.90 1995

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
No. 3940
JOHN A. ANDREWS

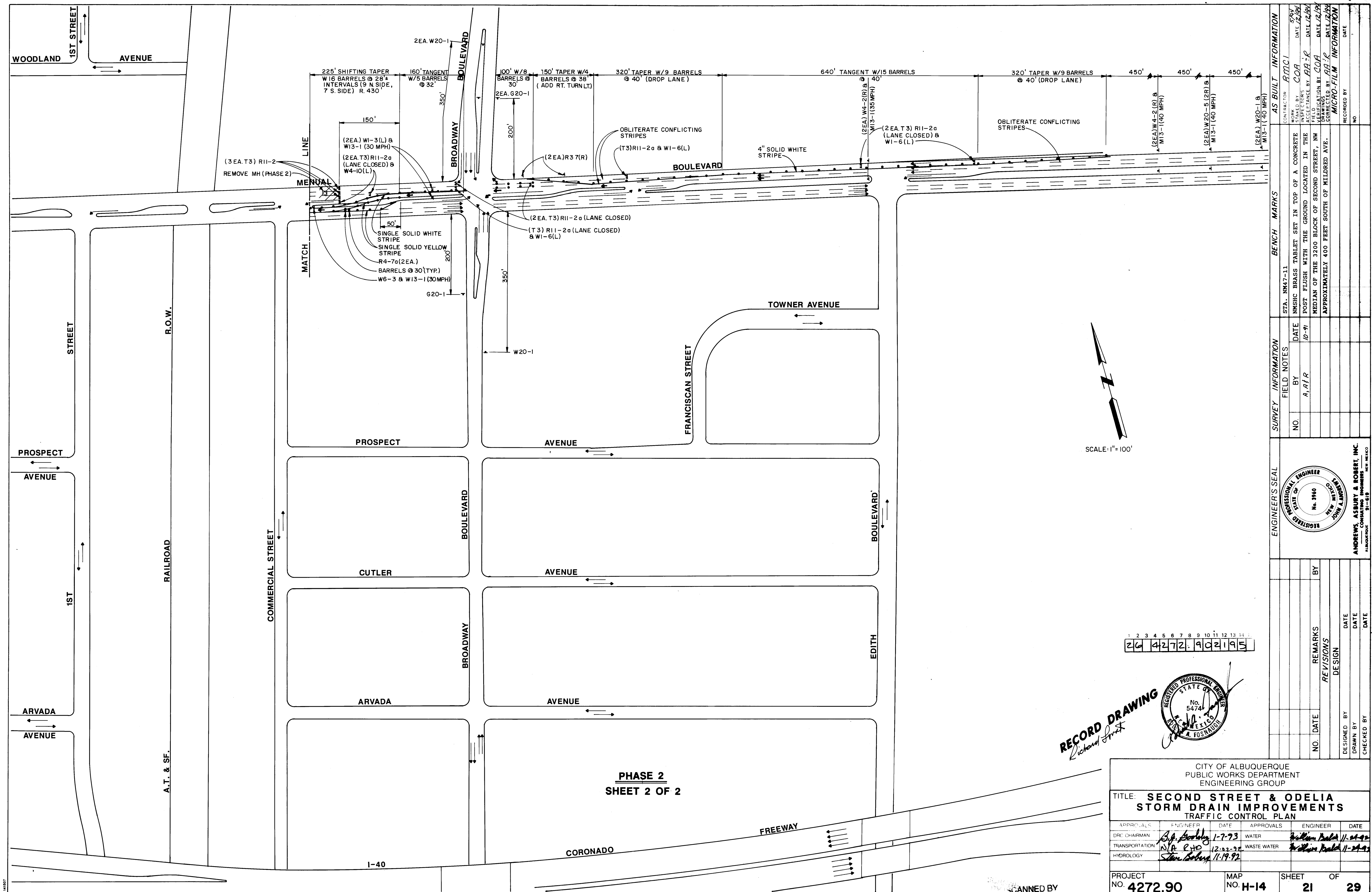
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS TRAFFIC CONTROL PLAN					
APPROVAL	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>R. J. Koolhaas</i>	1-7-93	WATER	<i>William Balch</i>	11-24-92
TRANSPORTATION	<i>N/A RHO</i>	12-23-92	WASTE WATER	<i>William Balch</i>	11-24-92
HYDROLOGY	<i>Steve Boling</i>	11-19-92			
PROJECT NO. 4272.90		MAP NO. H-14		SHEET 19 OF 29	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	STA. NM47-11	CONTRACTOR	DATE
	A, A, R	10-91		ATMCI	9/94
				WORK STARTED BY	DATE
				INSPECTOR'S FIELD CHECK BY	DATE
				FIELD LANE BY	DATE
				VERIFICATION BY	DATE
				CORRECTED BY	DATE
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO	

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
No. 3940
JOHN A. ANDREWS

ANDREWS, ASBURY & ROBERT, INC.
ALBUQUERQUE, NEW MEXICO



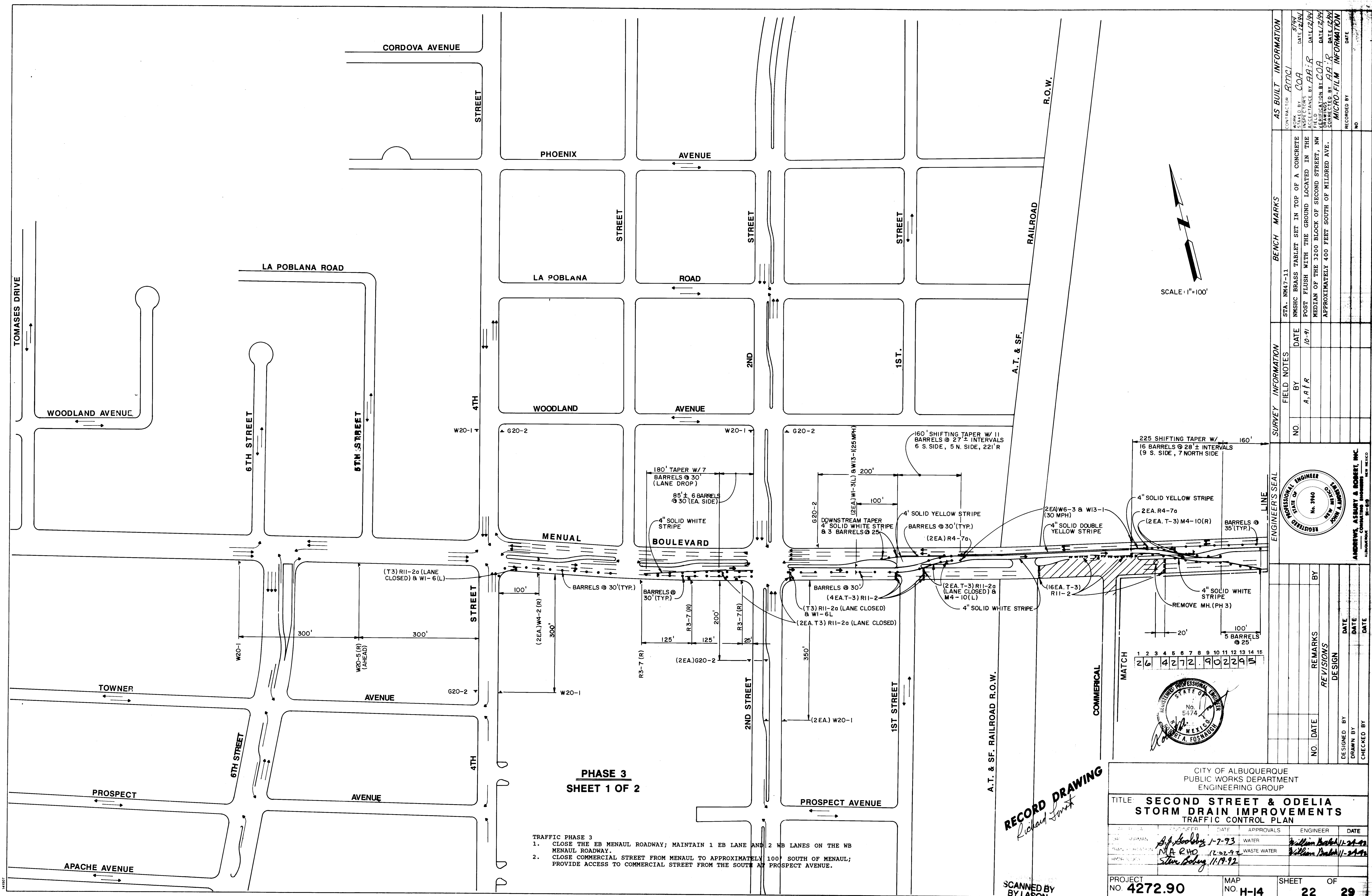
RECORD DRAWING
Richard Smith

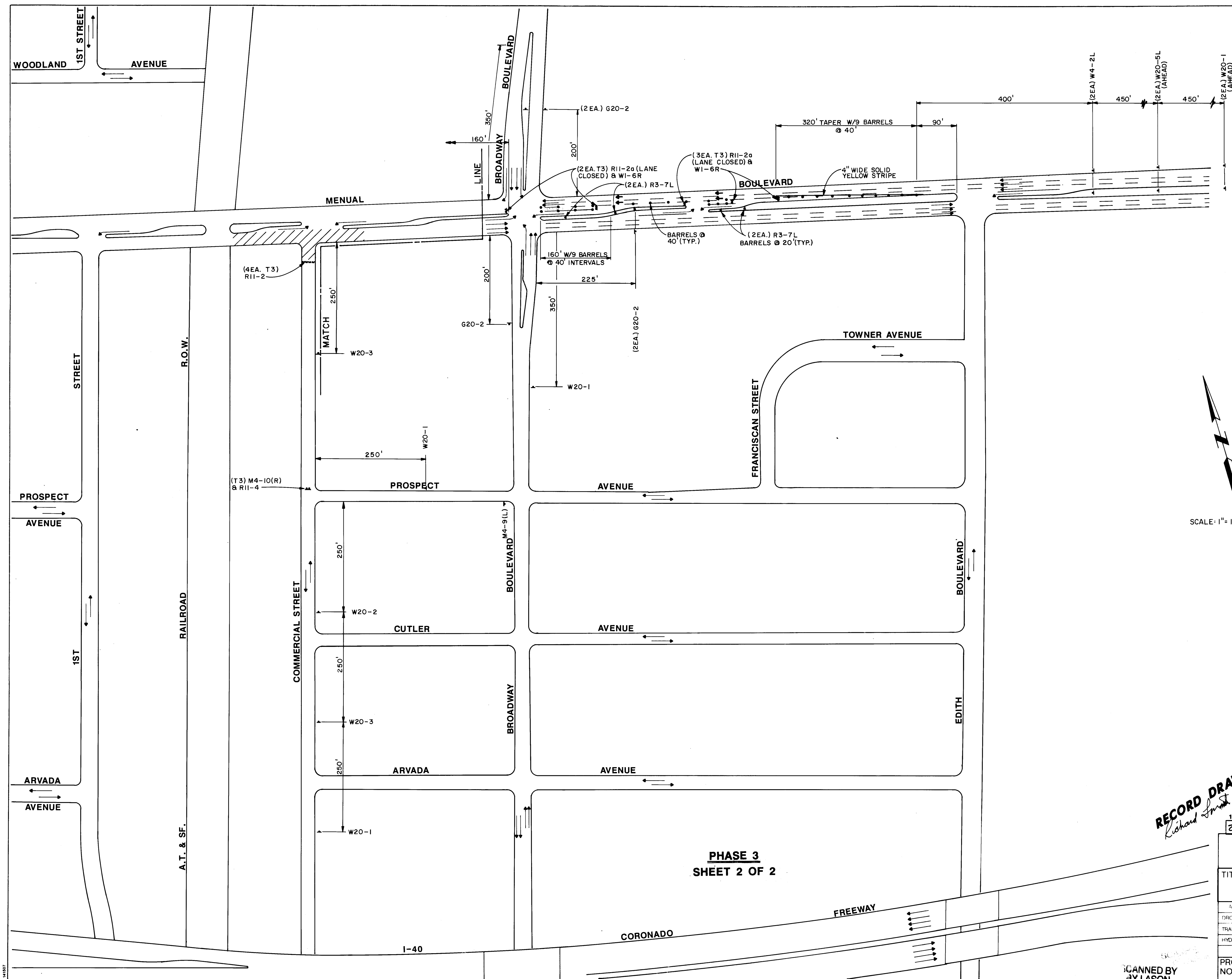
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
No. 5474
A. FOSNAUGH

1 2 3 4 5 6 7 8 9 10 11 12 13 14
26 42 72 90 21 95

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS TRAFFIC CONTROL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B.P. Smith</i>	1-7-93	WATER	<i>William Rada</i>	11-24-92
TRANSPORTATION	<i>N.A. RHO</i>	12-22-92	WASTE WATER	<i>William Rada</i>	11-24-92
HYDROLOGY	<i>Steve Bohling</i>	11-19-92			
PROJECT NO. 4272.90		MAP NO. H-14		SHEET 21 OF 29	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	STA.	MARK	CONTRACTOR	DATE
1	10-91	1047-11	INSHC BRASS TABLET SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED IN THE MEDIAN OF THE 3200 BLOCK OF SECOND STREET, NW APPROXIMATELY 400 FEET SOUTH OF MILDRED AVE.	COA	12/94
2				INSPECTOR'S FIELD VERIFICATION BY	DATE
3				AA:R	12/94
4				VERIFICATION BY	DATE
5				AA:R	12/94
6				CORRECTED BY	DATE
7				AA:R	12/94
8				MICRO-FILM INFORMATION	
9				RECORDED BY	DATE
10				NO	





PHASE 3
SHEET 2 OF 2

RECORD DRAWING
Robert A. Fosnait

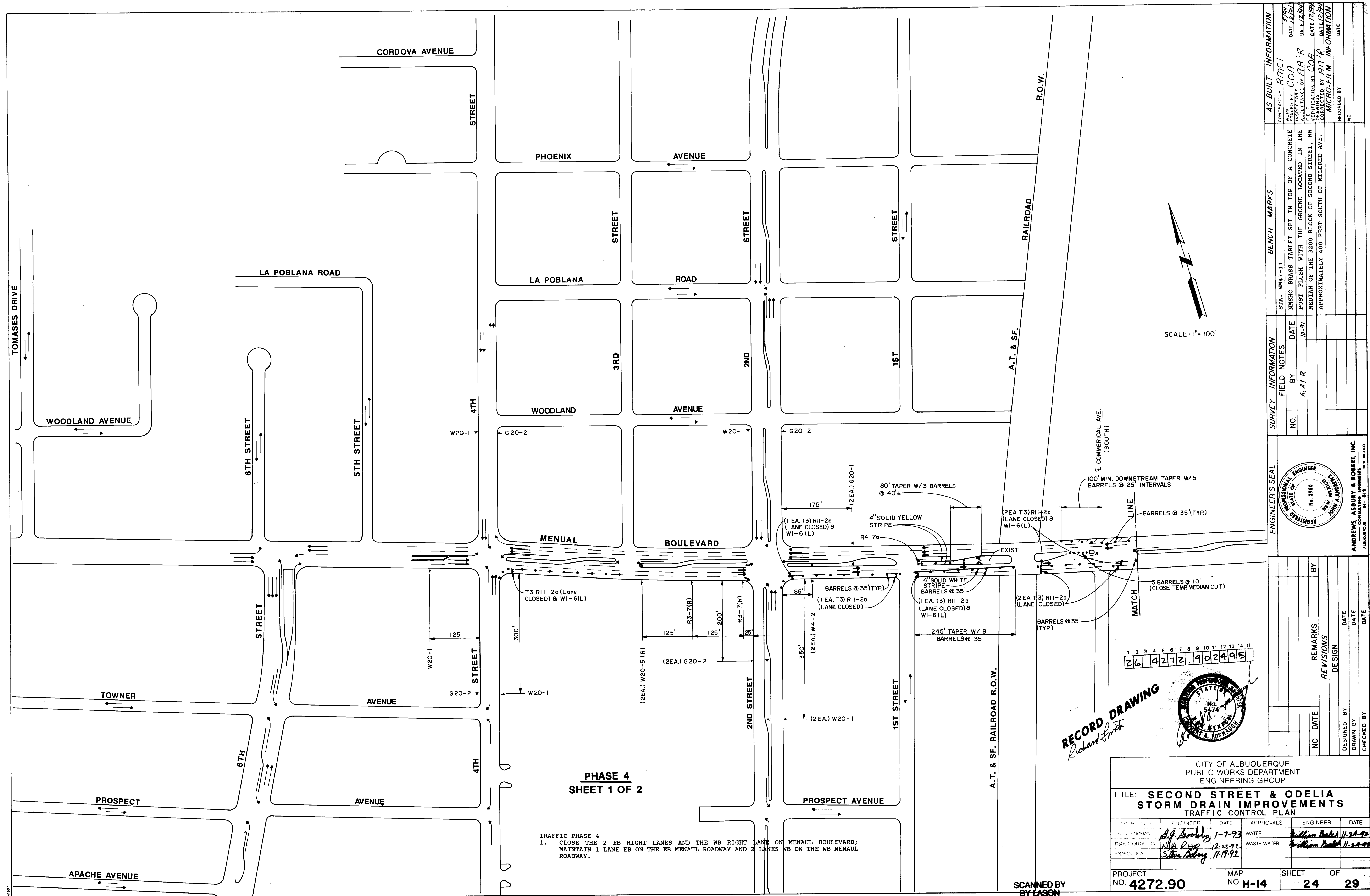


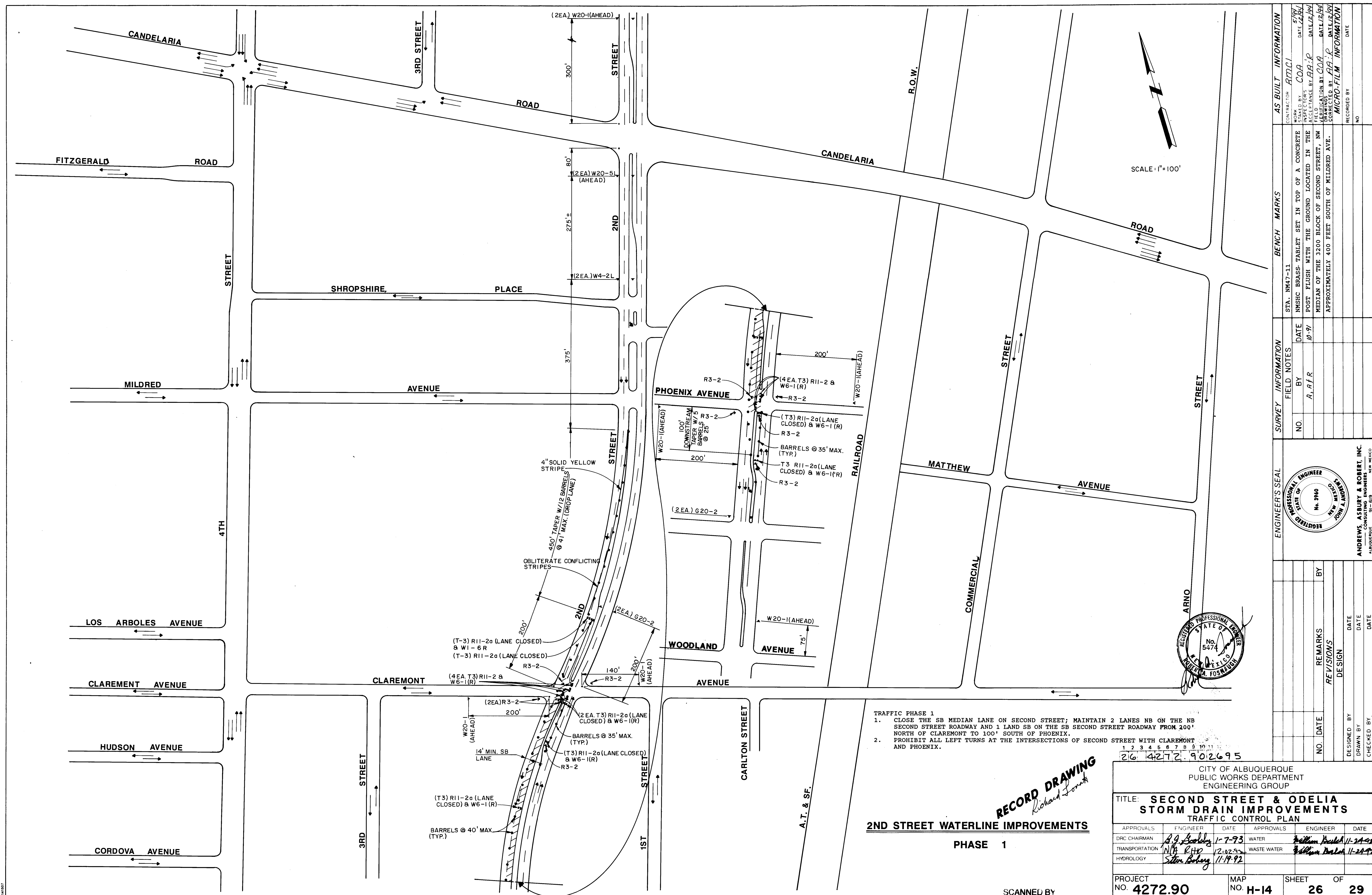
SCANNED BY
BY LASON

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 42 72 90 23 95

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS TRAFFIC CONTROL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>Alfred Bradley</i>	1-7-93	WATER	<i>William Bault</i>	11-24-92
TRANSPORTATION	<i>Alfred Bradley</i>	12-02-92	WASTE WATER	<i>William Bault</i>	1-24-93
HYDROLOGY	<i>Steven Bailey</i>	11-19-92			
PROJECT NO. 4272.90		MAP NO. H-14		SHEET 23 OF 29	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	STA.	DESCRIPTION	CONTRACTOR	DATE
	10-91	11-11	NMHC BRASS TABLET SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND LOCATED IN THE MEDIAN OF THE 3200 BLOCK OF SECOND STREET, NW APPROXIMATELY 400 FEET SOUTH OF MILDRED AVE.	RTCI	5/90
				INSPECTOR'S CORRECTION BY	DATE
				AA:R	12/24/91
				VERIFICATION BY	DATE
				AA:R	12/24/91
				CORRECTED BY	DATE
				AA:R	12/24/91
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	



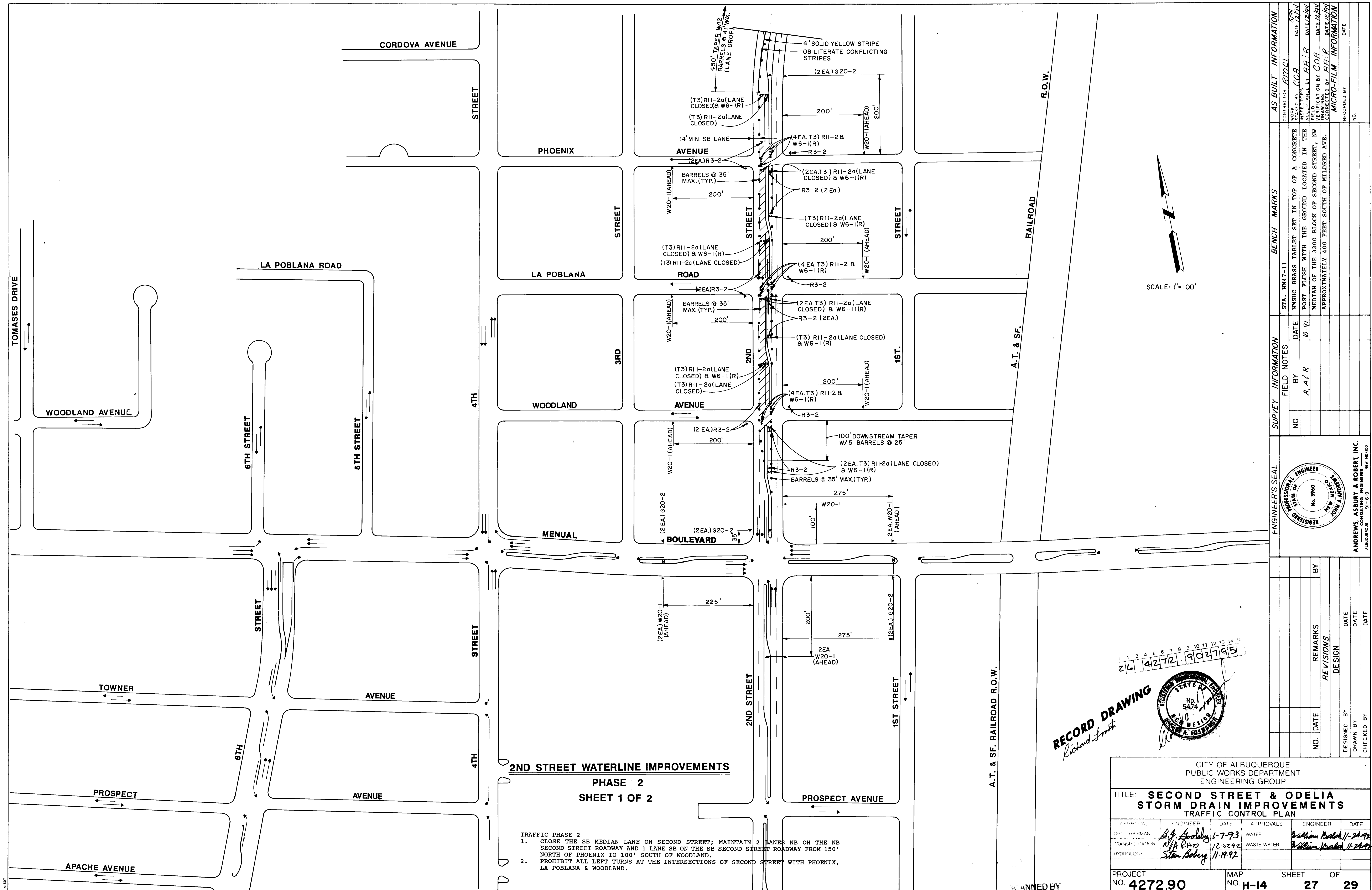


TRAFFIC PHASE 1
1. CLOSE THE SB MEDIAN LANE ON SECOND STREET; MAINTAIN 2 LANES NB ON THE NB SECOND STREET ROADWAY AND 1 LANE SB ON THE SB SECOND STREET ROADWAY FROM 200' NORTH OF CLAREMONT TO 100' SOUTH OF PHOENIX.
2. PROHIBIT ALL LEFT TURNS AT THE INTERSECTIONS OF SECOND STREET WITH CLAREMONT AND PHOENIX.

RECORD DRAWING
Richard J. Smith
2ND STREET WATERLINE IMPROVEMENTS
PHASE 1

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS TRAFFIC CONTROL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B.G. Bailey</i>	1-7-93	WATER	<i>William Bailey</i>	11-24-92
TRANSPORTATION	<i>N.H. RHO</i>	12-02-92	WASTE WATER	<i>William Bailey</i>	11-24-92
HYDROLOGY	<i>Steve Bailey</i>	11-19-92			
PROJECT NO.	4272.90		MAP NO.	H-14	SHEET 26 OF 29

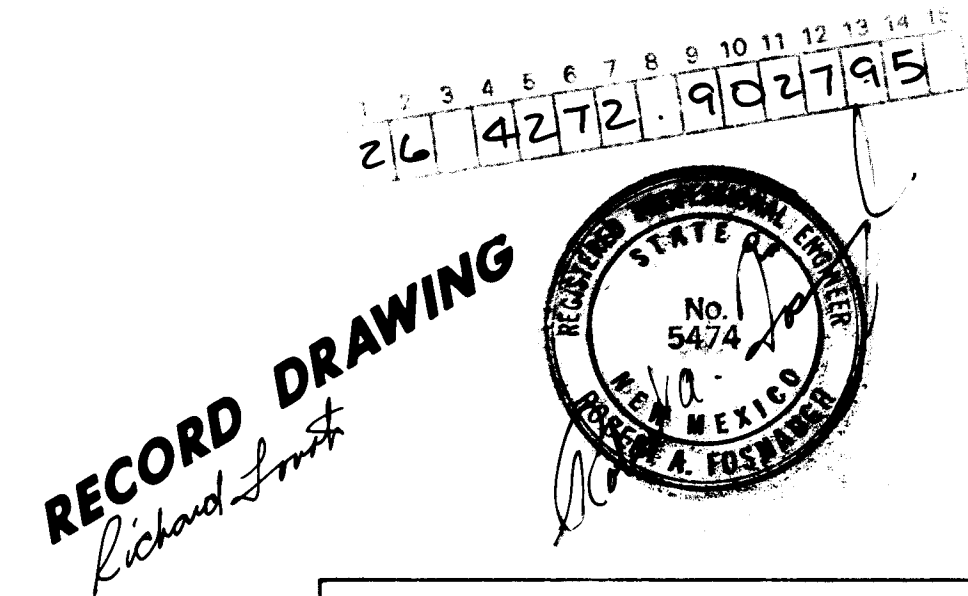
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		NO.	BY	DATE	STA. NM47-11	CONTRACTOR	DATE
			A, A/R	10-91		RMCI	5/94
						COA	12/24
						INSPECTOR'S FIELD VERIFICATION BY	DATE
						AA-R	12/24
ANDREWS, ASBURY & ROBERT, INC. CONSULTING ENGINEERS ALBUQUERQUE, N.M. 87102		REVISIONS	BY	DATE	RECORDED BY	NO.	DATE
		DESIGN					



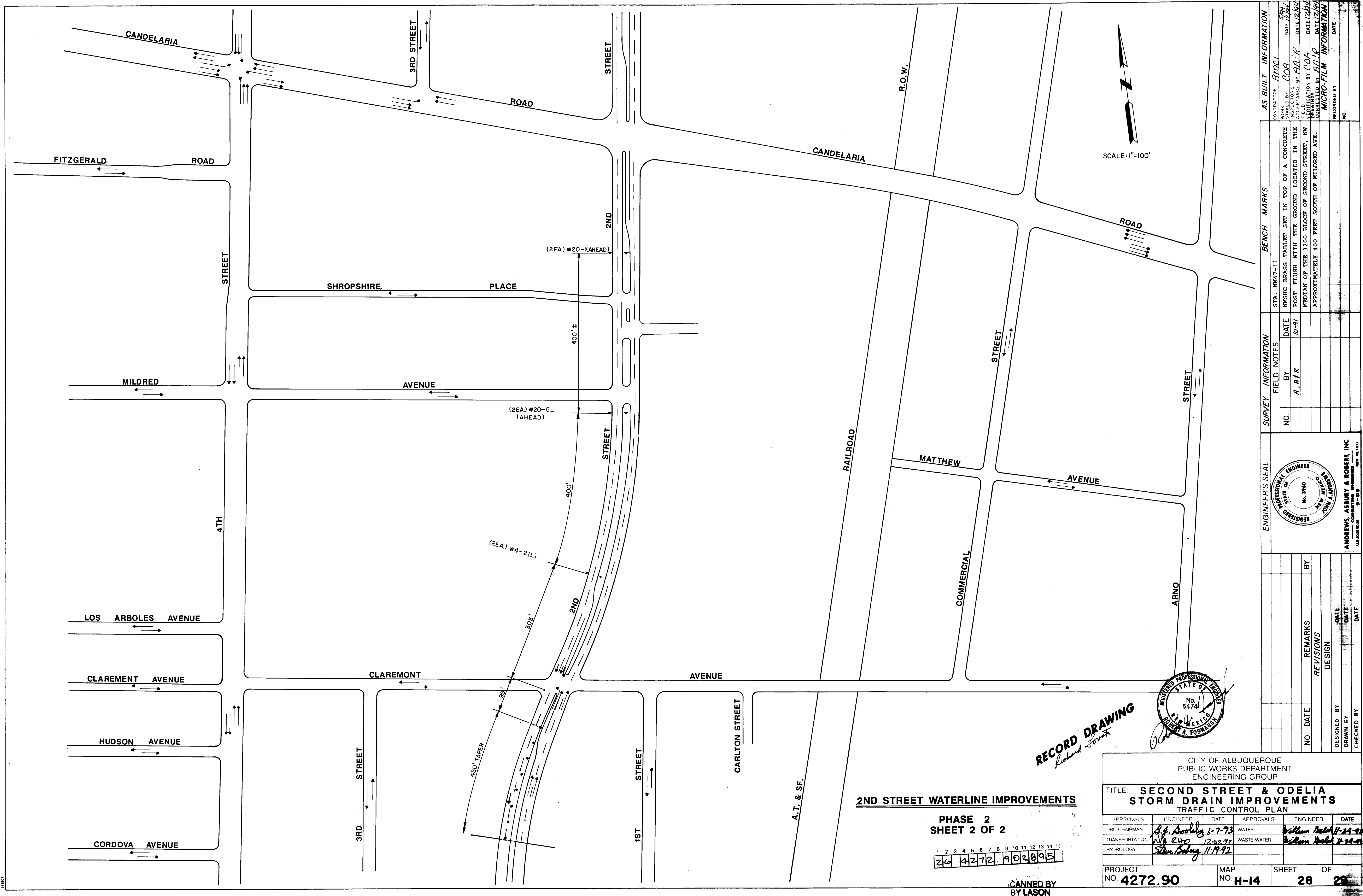
141807

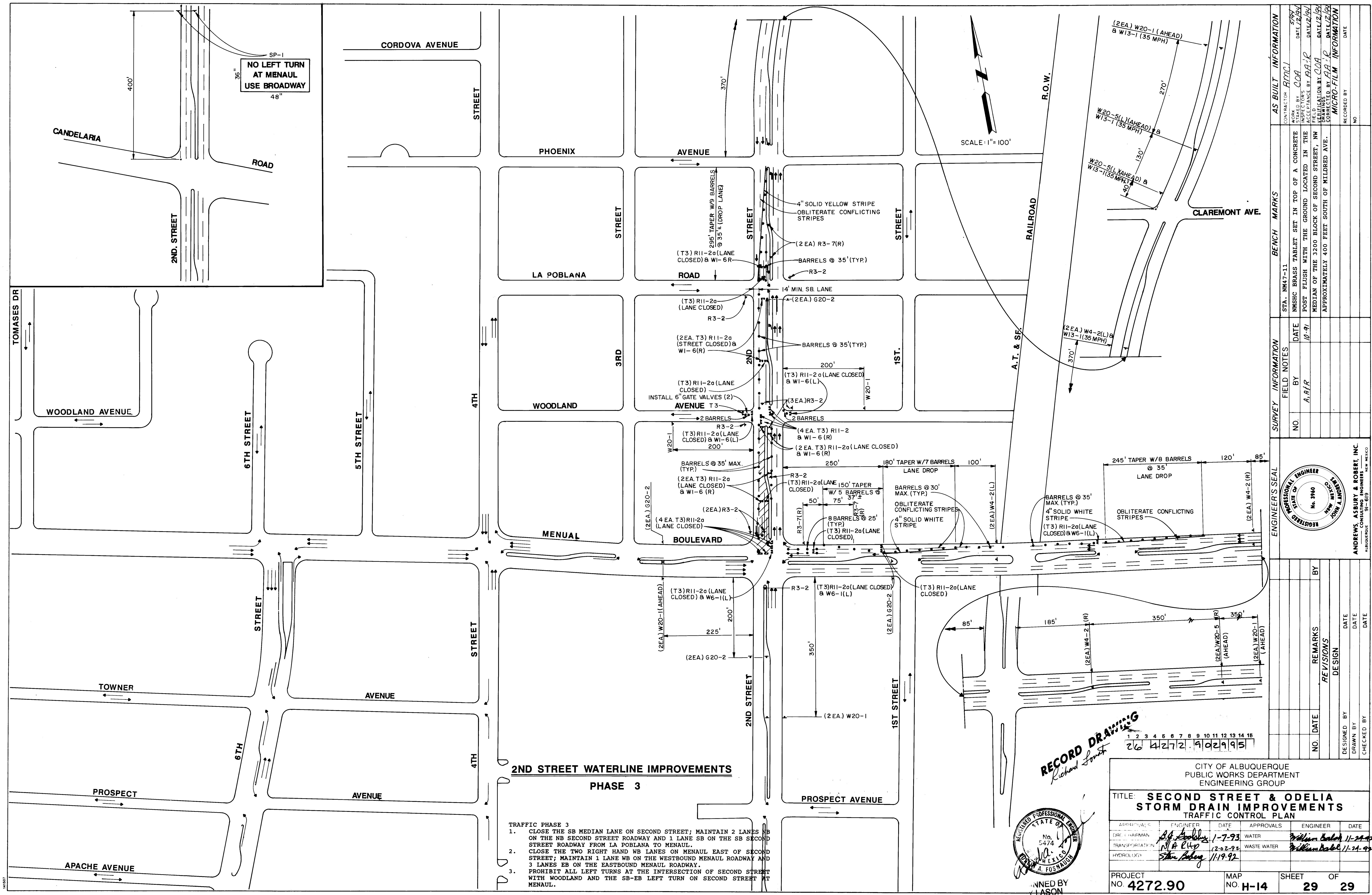
2ND STREET WATERLINE IMPROVEMENTS
PHASE 2
SHEET 1 OF 2

- TRAFFIC PHASE 2
1. CLOSE THE SB MEDIAN LANE ON SECOND STREET; MAINTAIN 2 LANES NB ON THE NB SECOND STREET ROADWAY AND 1 LANE SB ON THE SB SECOND STREET ROADWAY FROM 150' NORTH OF PHOENIX TO 100' SOUTH OF WOODLAND.
 2. PROHIBIT ALL LEFT TURNS AT THE INTERSECTIONS OF SECOND STREET WITH PHOENIX, LA POBLANA & WOODLAND.



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS TRAFFIC CONTROL PLAN					
APPROVAL	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CHIEF ENGINEER	B. J. Goodley	1-7-93	WATER	William Bales	11-24-92
TRANSPORTATION	N. P. Ray	12-3-92	WASTE WATER	William Bales	11-24-92
HYDROLOGY	Stan Robey	11-19-92			
PROJECT NO.	4272.90	MAP NO.	H-14	SHEET	27 OF 29





2ND STREET WATERLINE IMPROVEMENTS
PHASE 3

- TRAFFIC PHASE 3
1. CLOSE THE SB MEDIAN LANE ON SECOND STREET; MAINTAIN 2 LANES NB ON THE NB SECOND STREET ROADWAY AND 1 LANE SB ON THE SB SECOND STREET ROADWAY FROM LA POBLANA TO MENAUL.
 2. CLOSE THE TWO RIGHT HAND WB LANES ON MENAUL EAST OF SECOND STREET; MAINTAIN 1 LANE WB ON THE WESTBOUND MENAUL ROADWAY AND 3 LANES EB ON THE EASTBOUND MENAUL ROADWAY.
 3. PROHIBIT ALL LEFT TURNS AT THE INTERSECTION OF SECOND STREET WITH WOODLAND AND THE SB-EB LEFT TURN ON SECOND STREET AT MENAUL.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	DATE	BY	STA.	MARK	DATE	NO.	BY	DATE	REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 3940 JOHN A. ANDERSON		
INSPECTOR'S	DATE	BY	DATE	DATE	DATE	DATE	DATE	DATE			
FIELD	DATE	BY	DATE	DATE	DATE	DATE	DATE	DATE	ANDREWS, ASBURY & ROBERT, INC. ALBUQUERQUE, NEW MEXICO		
VERIFICATION	DATE	BY	DATE	DATE	DATE	DATE	DATE	DATE			
CORRECTED	DATE	BY	DATE	DATE	DATE	DATE	DATE	DATE	DESIGNED BY DRAWN BY CHECKED BY		
MICRO-FILM	DATE	BY	DATE	DATE	DATE	DATE	DATE	DATE			
RECORDED	DATE	BY	DATE	DATE	DATE	DATE	DATE	DATE	REVISIONS DESIGN		
NO	DATE	BY	DATE	DATE	DATE	DATE	DATE	DATE			
NO	DATE	BY	DATE	DATE	DATE	DATE	DATE	DATE	CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP		
NO	DATE	BY	DATE	DATE	DATE	DATE	DATE	DATE			
TITLE: SECOND STREET & ODELIA STORM DRAIN IMPROVEMENTS TRAFFIC CONTROL PLAN			APPROVALS			ENGINEER			DATE		
PROJECT NO. 4272.90			ENGINEER			DATE			DATE		
MAP NO. H-14			ENGINEER			DATE			DATE		
SHEET 29			ENGINEER			DATE			DATE		
OF 29			ENGINEER			DATE			DATE		