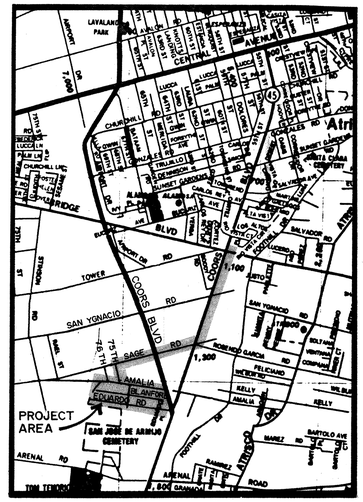
CITY OF ALBUQUERQUE, NEW MEXICO
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

CONSTRUCTION PLANS
FOR

SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

SOUTHWESTERN SKIES ADDITION

SHEET INDEX



ZONE ATLAS MAP: L-10, L-11

VICINITY MAP

GENERAL NOTES:

THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE EXECUTION OF THE WATER VALVE SHUT–OFF PLAN WITH THE WATER SYSTEMS DIVISION (857–8200) 3 WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER UTILITIES. SEE SHEET 4 OF 29 FOR WATER SHUT–OFF PLAN.

ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE C.O.A. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (AS AMMENDED WITH UPDATE #4) AND THE BERNALILLO COUNTY STANDARDS FOR PUBLIC WORKS CONSTRUCTION. WHERE CONFLICTS ARISE, THE MORE STRINGENT REQUIREMENT WILL BE ENFORCED.

TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260–1990, FOR LOCATION OF EXISTING UTILITIES.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. THE LOCATIONS OF ALL GAS, ELECTRIC, CABLE TV, AND TELEPHONE WERE OBTAINED FROM THEIR RESPECTIVE ORGANIZATIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL COORDINATE ALL UTILITY CROSSINGS WITH THEIR RESPECTIVE ORGANIZATIONS.

ALL COMPACTION FOR THIS PROJECT WILL BE 95% OF THE MAXIMUM DRY DENSITY PER ASTM D 1557.

THIS PROJECT IS SUBJECT TO THE TERMS AND CONDITIONS OF THE MASTER UTILITY EASEMENT AND RIGHT–OF–WAY AGREEMENT ENTERED INTO BETWEEN THE COUNTY OF BERNALILLO AND THE CITY OF ALBUQUERQUE, EFFECTIVE 08–20–90.

TRAFFIC CONTROL

THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATOR. A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT (841–2700) & BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT (843–6120).

ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET. THIS WORK SHALL BE INCIDENTAL TO THE TRAFFIC CONTROL. ALL RESTRIPING MUST MEET THE REQUIREMENTS OF THE SPECIFICATIONS AND MUST BE APPROVED BY THE CONSTRUCTION COORDINATOR.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Gregory Olson
DATE 5-13-97

RECORD DRAWINGS

THE DRAWING HAVE BEEN REVISED TO REFLECT THE CONSTRUCTED FIELD CONDITIONS IN ACCORDANCE WITH INFORMATION PROVIDED BY CONTRACTOR AND CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT.

GREGORY R. OLSON NEW MEXICO 7399 REGISTERED PROFESSIONAL ENGINEER
Gregory R. Olson, P.E. 5/13/97

City of Albuquerque

ALBUQUERQUE NEW MEXICO

JOHN W. STAPP NEW MEXICO 7719 REGISTERED PROFESSIONAL ENGINEER 12-10-93

STEVEN J. METZ NEW MEXICO 9220 REGISTERED PROFESSIONAL ENGINEER 12-9-93

APPROVED FOR CONSTRUCTION

Charles R Bowman 12/10/93
BERNALILLO COUNTY DATE

Ricardo B Rojo 12/10/93
CITY OF ALBUQUERQUE DATE

REVISION SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

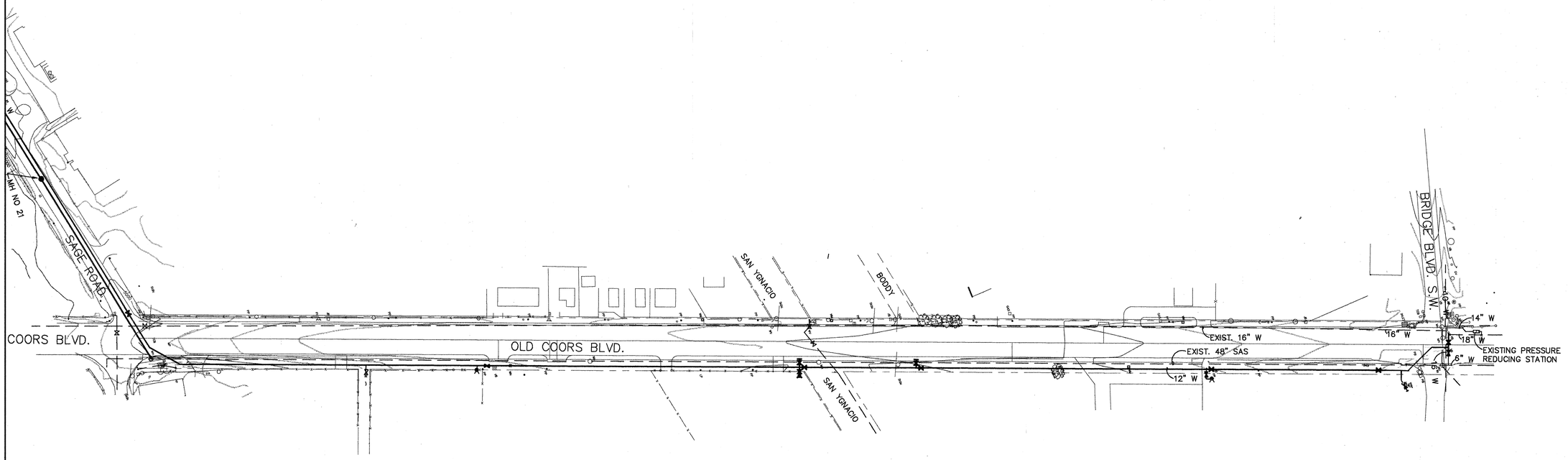
APPROVAL OF REVISIONS

WILSON & COMPANY

PROJECT NO. 4515.94

SHEET 1 OF 26

WCEA 103-504



0 100 200 300 400
SCALE IN FEET

SOUTH VALLEY
SEWER
93–504
NORTH AREA

AS BUILT MATERIALS

WATER MAINS 6"-12" = C-900 PVC
SEWER MAINS 8"-12" = SDR-35 PVC
SEWER SERVICES 4"-6" = CAST IRON
WATER SERVICES 3/4" - 2" = P.E. TUBING

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

BENCHMARK USED IS A STANDARD ACS BRASS CAP STAMPED "ACS 45–7A, 1978" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV.=4953.487
TBM #1 = PAINT SPOT AT TOP OF CURB @ S. CURB – END OF CURB ON EDUARDO RD., S.W. ELEV.=4969.27
TBM #2 = NE CORNER CONC. FENCE POST @ 3930 EDUARDO RD., S.W. ELEV.=4984.57

AS BUILT INFORMATION

CONTRACTOR J.R. HALE DATE 11/94
WORK STAKED BY J.R. HALE DATE
INSPECTOR'S ACCEPTANCE BY A. OSTAPACK DATE
FIELD VERIFICATION BY C.O.A. DATE
DRAWING CORRECTED BY WILSON CO. DATE 11/94
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

JOHN M. STOMBAUGH
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
12-8-93

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	JMS
		DRAWN BY	PAS
		CHECKED BY	WFZ
		DATE	NOV. 1993
		DATE	NOV. 1993
		DATE	NOV. 1993

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: OVERALL WATER AND SEWER PLAN
SOUTH VALLEY WATER AND SEWER
SYSTEM IMPROVEMNT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION		12-13-93	WASTE WATER		12/10/93
HYDROLOGY	N/A	12-10-93			
		12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10,L-11 | SHEET 2 OF 26

WILSON & COMPANY
WCEA #93–504

AMOLE CHANNEL R/W

75TH STREET

76TH STREET

SAGE ROAD

MH NO 18

MH NO 19

MH NO 20

MH NO 21

12" W

8" SAS

8" FIRELINE STUBOUT

OLD COORS BLVD.

SCALE IN FEET

0 100 200 300 400

SOUTH VALLEY
SEWER
93-504
NORTH AREA

MH NO. 17

MH NO. 16

MH NO. 15

MH NO. 14

MH NO. 13

MH NO. 12

MH NO. 10

MH NO. 9

MH NO. 8

MH NO. 7

MH NO. 6

MH NO. 5

MH NO. 4

MH NO. 3

MH NO. 2

MH NO. 1

150' R/W

AMOLE CHANNEL EAST ACCESS ROAD

AMALIA ROAD

BLANFORD ROAD

EDUARDO ROAD

AIRPORT RD

COORS BYPASS ROAD

OLD COORS BLVD.

6" W

8" SAS

10" W

12" W

8" SAS BY OTHERS
PROJECT 4823.90

Valves M11-71 & M11-72 were left closed as temp. Zone Boundary Between OW & NW ARO

Tie to Old W.L. @ Valve M11-121

NEW PRV BOXES Deleted MD

NOTE:
CONVERT EXIST. 6" W.L in Coors to Zone IW PRESSURE —
Following project compl. City Crews will open Valves M11-71 & 72 AND CLOSE VALVE M11-121
This will convert W. side of Coors to IW Pressure

* 20' SEWER & WATER EASEMENT
FILED: 1-27-99
BOOK: 9902 PAGE: 1268

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

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AS BUILT INFORMATION

CONTRACTOR J.R. HALE DATE: 11/94

WORK STAKED BY J.R. HALE DATE

INSPECTOR'S AS-BUILTS BY A. OSTAPACK DATE

FIELD VERIFICATION BY C.O.A. DATE

DRAWING CORRECTED BY WILSON CO. DATE: 1/96

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEER'S SEAL

JOHN M. STONE
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
12-21-93

REVISIONS

NO.	DATE	REMARKS	BY
DESIGNED BY		DESIGN	JMS
DRAWN BY		DATE	NOV. 1993
CHECKED BY		DATE	NOV. 1993
		DATE	NOV. 1993

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: OVERALL WATER AND SEWER PLAN
SOUTH VALLEY WATER AND SEWER
SYSTEM IMPROVEMNT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.J. Bradley	12-13-93	WATER		
TRANSPORTATION	W/R RHD	12-10-93	WASTE WATER		
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10, L-11 | SHEET 3 OF 26

WILSON & COMPANY

WCEA #93-504

WATER SHUT OFF PLAN

A. SHUT OFF VALVE NUMBERS 452, 453 AND 454. DRAIN EXISTING 6" WATER LINE. REMOVE AND SALVAGE EXISTING 6" VALVE.

B. CUT EXISTING 6" WATER LINE AND INSTALL NEW 6" VALVE.

C. INSTALL 12" GATE VALVE AND FITTINGS PER CONSTRUCTION PLAN SHEET 7. INSTALLATION OF 12" WATER LINE TO FOLLOW SEQUENCE OF CONSTRUCTION ON THIS SHEET

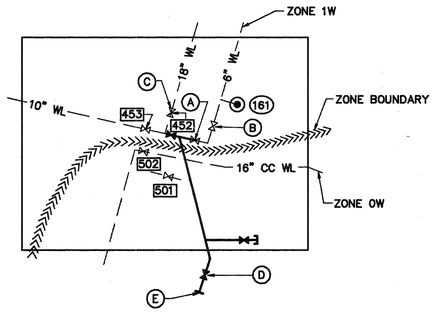
D. EXTEND 12" WATER LINE PER SEQUENCE OF CONSTRUCTION AND TRAFFIC CONTROL PLANS.

E. CONTRACTOR TO COMPLETE ALL TESTING REQUIREMENTS FOR ACCEPTANCE OF NEW 12" WATER LINE. UPON ACCEPTANCE OF WATER LINE, PRESSURIZE LINE TO ALLOW FOR OPENING OF INTERSECTION.

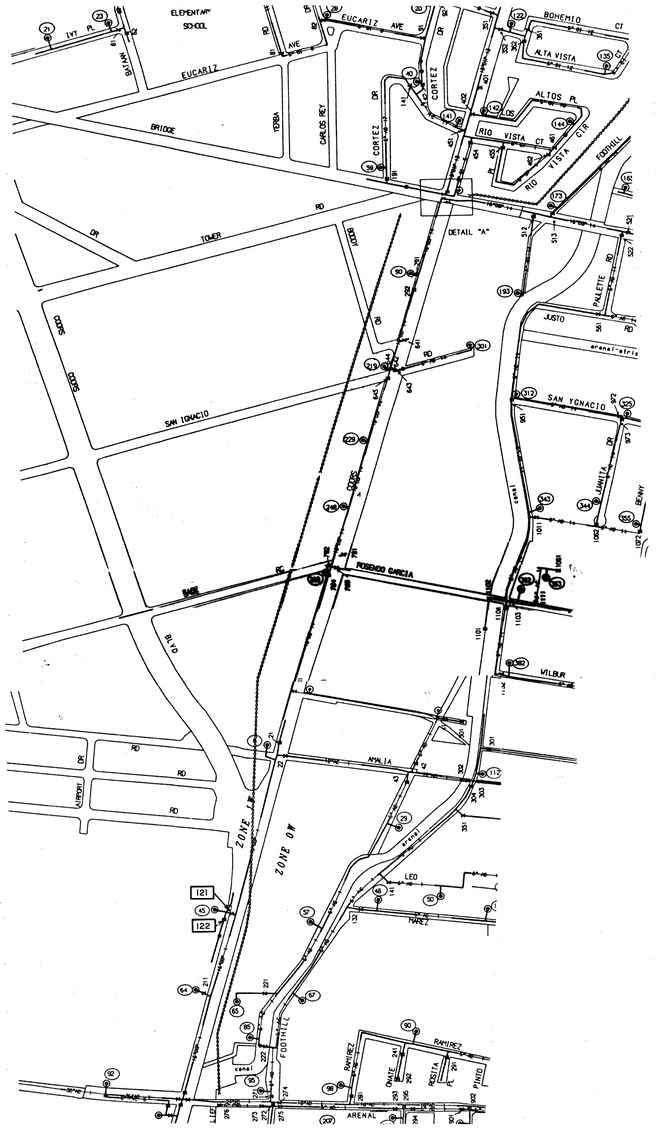
F. CONTINUE WITH WATER LINE INSTALLATION, TESTING AND ACCEPTANCE PER SEQUENCE OF CONSTRUCTION AND COA SPECIFICATIONS.

G. SHUT VALVES 121 AND 122 FOR INSTALLATION OF TEMPORARY PRV STATION.

H. ALL WATER VALVE SHUT OFFS FOR PROJECT TO BE COORDINATED WITH WATER SYSTEMS AND COA PROJECT MANAGER.



DETAIL "A"



SUGGESTED SEQUENCE OF CONSTRUCTION AND TRAFFIC HANDLING

INTERSECTION BRIDGE AND OLD COORS

CONSTRUCTION PHASE I
BUILD PORTION OF WATERLINE FROM MEDIAN TO OUTSIDE LANE SOUTHBOUND OLD COORS

TRAFFIC PHASE I
CLOSE CONTINUOUS LEFT TURN LANE & SOUTHBOUND LANES, PLACE TWO-WAY TRAFFIC ON NORTHBOUND LANES USING TRAFFIC SPLIT. SEE SHEET 24 AND 27 OF THE PLANS.

CONSTRUCTION PHASE II
BUILD WATERLINE SOUTHEASTERLY FROM MEDIAN ACROSS THE NORTHBOUND LANES TO THE EAST SIDE OF SANITARY SEWER.

TRAFFIC PHASE II
CLOSE CONTINUOUS LEFT TURN LANE AND NORTHBOUND LANES. PLACE TWO-WAY TRAFFIC ON SOUTHBOUND LANES USING TRAFFIC SPLIT.

CONSTRUCTION PHASE III
BUILD WATERLINE FROM STA. 10+82 TO STA. 34+25. 45.5' RT. TO 48' RT. CENTERLINE OLD COORS.

TRAFFIC PHASE III
TRAFFIC NORMAL ON OLD COORS USE TYPICAL SHOULDER WORK OPERATION. SEE SHEET 28 OF THE PLANS.

PHASE IV CONSTRUCTION
BUILD SANITARY SEWER & WATERLINE CROSSINGS AT INTERSECTION OF OLD COORS ROAD & SAGE ROAD. BUILD WATERMAIN & SANITARY SEWER FROM OLD COORS TO NEW COORS ROAD.
TRAFFIC PHASE IV
CLOSE OLD COORS ROAD SOUTH FROM BRIDGE AND AT INTERSECTION OLD COORS AND NEW COORS TO THRU TRAFFIC.

DETOURS (SEE SHEET 29 OF THE PLANS)
AT BRIDGE AND OLD COORS FOR SOUTHBOUND OLD COORS TRAFFIC WEST ON BRIDGE TO NEW COORS, SOUTH ON NEW COORS.

AT OLD COORS AND NEW COORS FOR NORTHBOUND TRAFFIC CLOSE OLD COORS NORTHBOUND TO THRU TRAFFIC DETOUR NORTH ON NEW COORS TO BRIDGE, EAST ON BRIDGE TO OLD COORS.

NOTE:
PLACE BARRICADES AT SAGE AND NEW COORS. CLOSE SAGE TO THRU TRAFFIC. BUILD SEWER AND WATERLINE TO MANHOLE AT NEW COORS.
PHASE V CONSTRUCTION
SLIPLINE WATER & SEWER ACROSS NEW COORS ON SAGE. COMPLETE SEWER LINE AND WATERLINE CONSTRUCTION ON EAST SAGE AND WEST SAGE. CROSSOVER WATERLINE AT 75TH STREET AND BUILD WATERLINE ON 75TH STREET TO AMALIA ROAD.

TRAFFIC PHASE V (FOR DETOUR SEE SHEET 30 OF THE PLANS)
A. CLOSE SAGE ROAD EAST AND WEST OF NEW COORS AND WEST OF OLD COORS TO THRU TRAFFIC. COMPLETE WORK ON EAST SAGE AND OPEN TO TRAFFIC. COMPLETE SEWER LINE TO MANHOLE ON WEST SAGE AND OPEN TO TRAFFIC.

B. BUILD WATERLINE NORTH OF EDGE OF PAVEMENT ON EAST SAGE TO 75TH STREET USING SHOULDER WORK OPERATIONS.

C. CROSS WATERLINE TO 75TH STREET USING ONE-LANE CLOSURE OPERATIONS.

D. USING SHOULDER WORK OPERATIONS ON 75TH STREET, MAINTAIN TWO-WAY TRAFFIC. IF NECESSARY DO A TEMPORARY GRAVEL WIDENING.

PHASE VI CONSTRUCTION
A. BUILD SEWER AND WATERLINE AMALIA ROAD.
B. BUILD SEWER AND WATERLINE BLANFORD ROAD.
C. BUILD SEWER AND WATERLINE EDUARDO ROAD.
D. BUILD SEWER AND WATERLINE AIRPORT ROAD.
E. SEWER CONNECTIONS EAST EDGE OF COORS BETWEEN AMALIA ROAD AND BLANFORD ROAD.

PHASE VI TRAFFIC
A. CLOSE 75TH STREET AND 76TH STREET TO THRU TRAFFIC. AMALIA ROAD NOT A THRU STREET USE CONSTRUCTION SIGNING AND BARRICADES AS NEEDED. (SEE TYPICALS) CONTRACTOR TO MAINTAIN ACCESS TO RESIDENTS.
B, C, AND D, NOT THRU STREETS, USE CONSTRUCTION SIGNING AND BARRICADES AS NEEDED (SEE TYPICALS) CONTRACTOR TO MAINTAIN ACCESS TO RESIDENTS.
E. USE SHOULDER WORK OPERATIONS SOUTHBOUND LANES NEW COORS ROAD WITH LANE CLOSURE AS NEEDED. SEE TYPICALS SHEET 24 & 25 OF THE PLANS.

SURVEY INFORMATION — FIELD NOTES

NO.	BY	DATE

BENCH MARKS

BENCHMARK USED IS A 3 1/4" ALUMINUM TABLET SET IN CONCRETE 0.5' ABOVE THE GROUND. STATION IS STAMPED "ACS, NM45-44, 1983", LOCATED IN THE INTERSECTION OF COORS BLVD. AND BRIDGE BLVD. ELEV.=5003.02

AS BUILT INFORMATION

CONTRACTOR J.R. HALE DATE:11/94
WORK OBSERVED BY J.R. HALE DATE
INSPECTOR'S FIELD NOTES BY A. OSTAPACK DATE
VERIFICATION BY COA DATE
DRAWINGS CORRECTED BY WILSON CO. DATE:11/94
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

JOHN M. KLEIN — NEW MEXICO — 12-01-21 — REGISTERED PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	JMS
	DATE		NOV. 1993
		DESIGNED BY	
		DRAWN BY	PAS
	DATE		NOV. 1993
		CHECKED BY	WFZ
	DATE		NOV. 1993

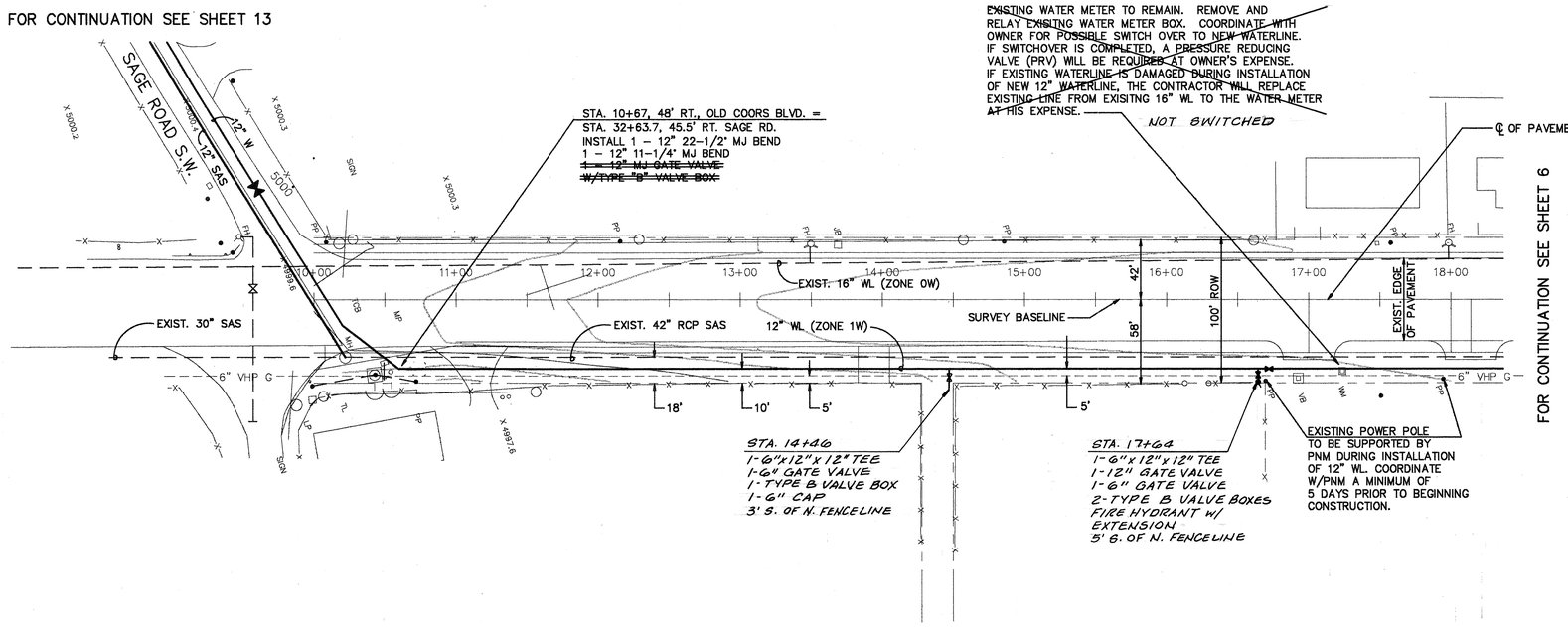
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
WATER SHUT-OFF PLAN/SEQUENCE OF CONSTRUCTION
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	S.G. Hadley	12-13-93	WATER		
TRANSPORTATION	N/A CHO	12-10-93	WASTE WATER		
HYDROLOGY	N/A	12/10/93			

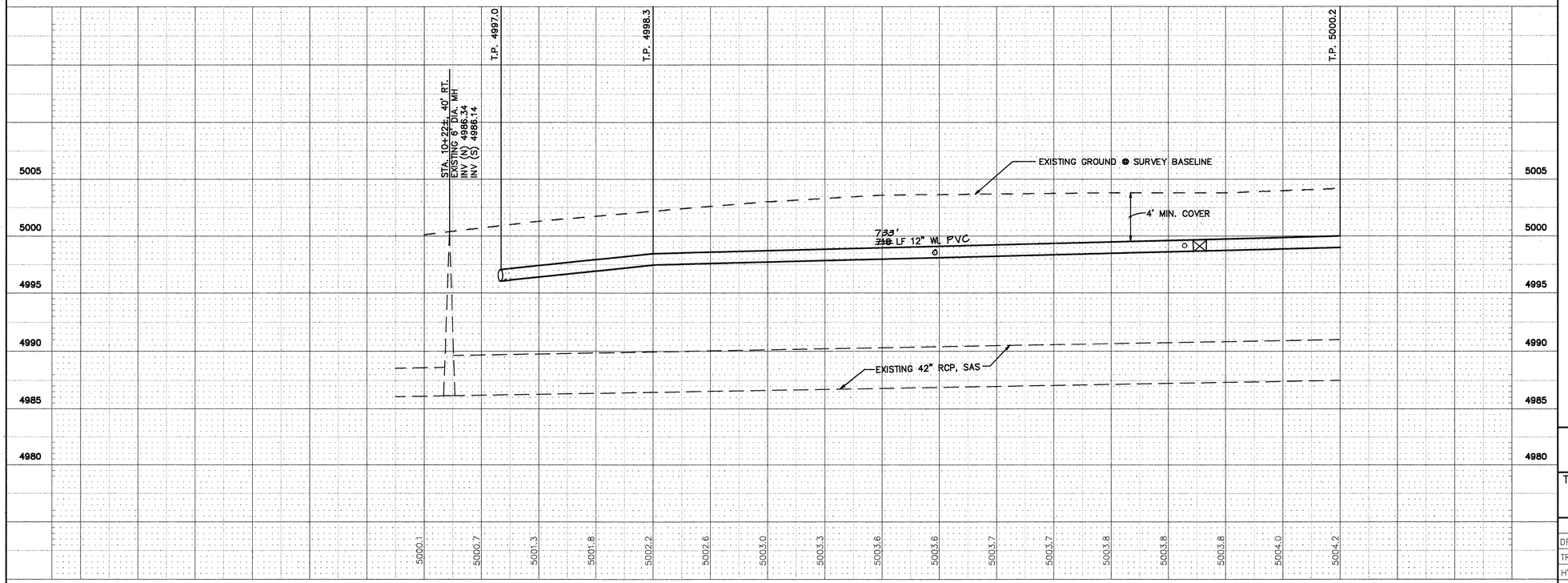
PROJECT NO.	MAP NO.	SHEET	OF
4515.94	L-10, L-11	4	26

WILSON & COMPANY — WCEA #93-504



OLD COORS BOULEVARD, S.W.

NOTE:
CONTRACTOR TO COORDINATE W/ BUSINESSES ALONG COORS TO ALLOW ACCESS AT ALL TIMES DURING CONSTRUCTION.



PLAN
SCALE: 1"=50'
PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
		TREE/SHRUB
G	G	GAS LINE
SD	SD	STORM DRAIN
UT	UT	UNDERGROUND TELEPHONE LINE
UE	UE	UNDERGROUND ELECTRICAL LINE
UC	UC	UNDERGROUND CABLE TV LINE

AS BUILT INFORMATION DATE: 11/94
CONTRACTOR: J.R. HALE DATE
WORK INSPECTOR'S: J.R. HALE DATE
ACCEPTANCE BY: A. OSTAPACK DATE
FIELD VERIFICATION BY: C.O.A. DATE
DRAWINGS CORRECTED BY: WILSON CO. DATE: 11/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BENCHMARK USED IS A 3 1/4" ALUMINUM TABLET SET IN CONCRETE 0.5' ABOVE THE GROUND. STATION IS STAMPED "ACS, NM45-44, 1983", LOCATED IN THE INTERSECTION OF COORS BLVD. AND BRIDGE BLVD.
ELEV=5003.02

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN W. STOMPOBOSSI, NEW MEXICO, REGISTERED PROFESSIONAL ENGINEER
12-1-93

NO.	DATE	REMARKS	BY	DATE
		REVISIONS		
		DESIGN		
		DESIGNED BY	JMS	NOV. 1993
		DRAWN BY	PAS	NOV. 1993
		CHECKED BY	WFZ	NOV. 1993

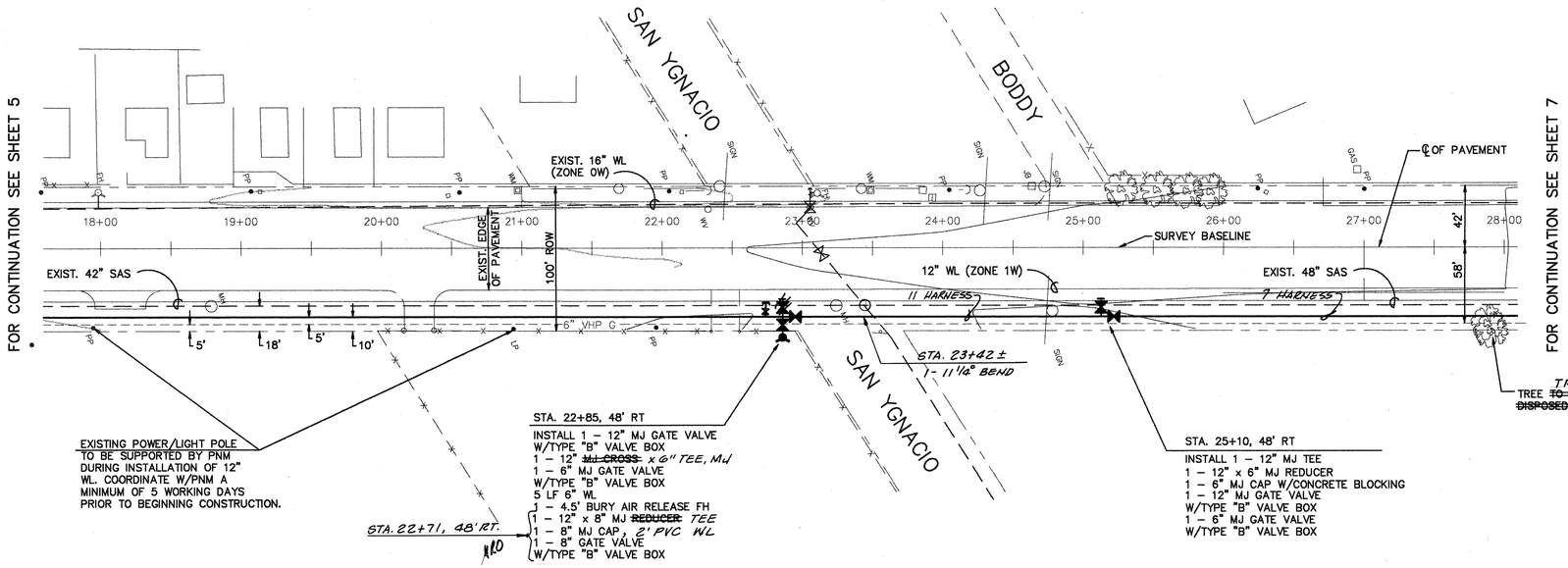
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: OLD COORS BOULEVARD
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	D.J. Goodaby	12-13-93	WATER		
TRANSPORTATION	N/A RHO	12-10-93	WASTE WATER		12/10/93
HYDROLOGY	N/A	12/10/93			

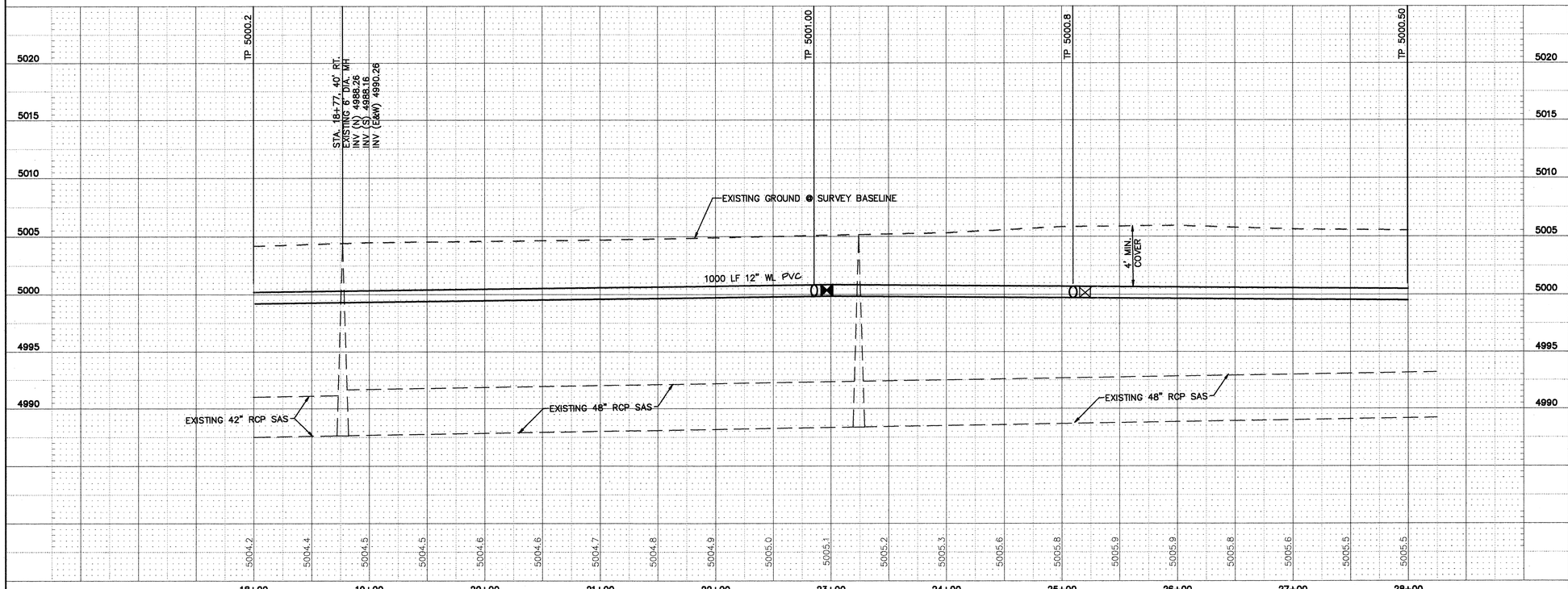
PROJECT NO. 4515.94 | MAP NO. L-10,L-11 | SHEET 5 OF 26

WILSON & COMPANY
WCEA #93-504



OLD COORS BOULEVARD, S.W.

NOTE:
CONTRACTOR TO COORDINATE W/ BUSINESSES ALONG COORS TO ALLOW ACCESS AT ALL TIMES DURING CONSTRUCTION.



PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
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	G	GAS LINE
	SD	STORM DRAIN
	UT	UNDERGROUND TELEPHONE LINE
	UE	UNDERGROUND ELECTRICAL LINE
	UC	UNDERGROUND CABLE TV LINE

AS BUILT INFORMATION
CONTRACTOR J.R. HALE DATE 11/94
WORK STAKED BY J.R. HALE DATE
INSPECTOR'S ACCEPTANCE BY A. OSTAPACK DATE
FIELD VERIFICATION BY C.O.A. DATE
DRAWINGS CORRECTED BY WILSON CO. DATE 11/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BENCHMARK USED IS A 3 1/4" ALUMINUM TABLET SET IN CONCRETE 0.5' ABOVE THE GROUND. STATION IS STAMPED "ACS, NM45-44, 1985". LOCATED IN THE INTERSECTION OF COORS BLVD. AND BRIDGE BLVD.
ELEV=5003.02

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JOHN W. STOMBAUGH NEW MEXICO PROFESSIONAL ENGINEER REGISTERED
12-13-93

REMARKS
REVISIONS
DESIGN DESIGNED BY JMS DATE NOV. 1993
DRAWN BY PAS DATE NOV. 1993
CHECKED BY WFZ DATE NOV. 1993
NO. DATE

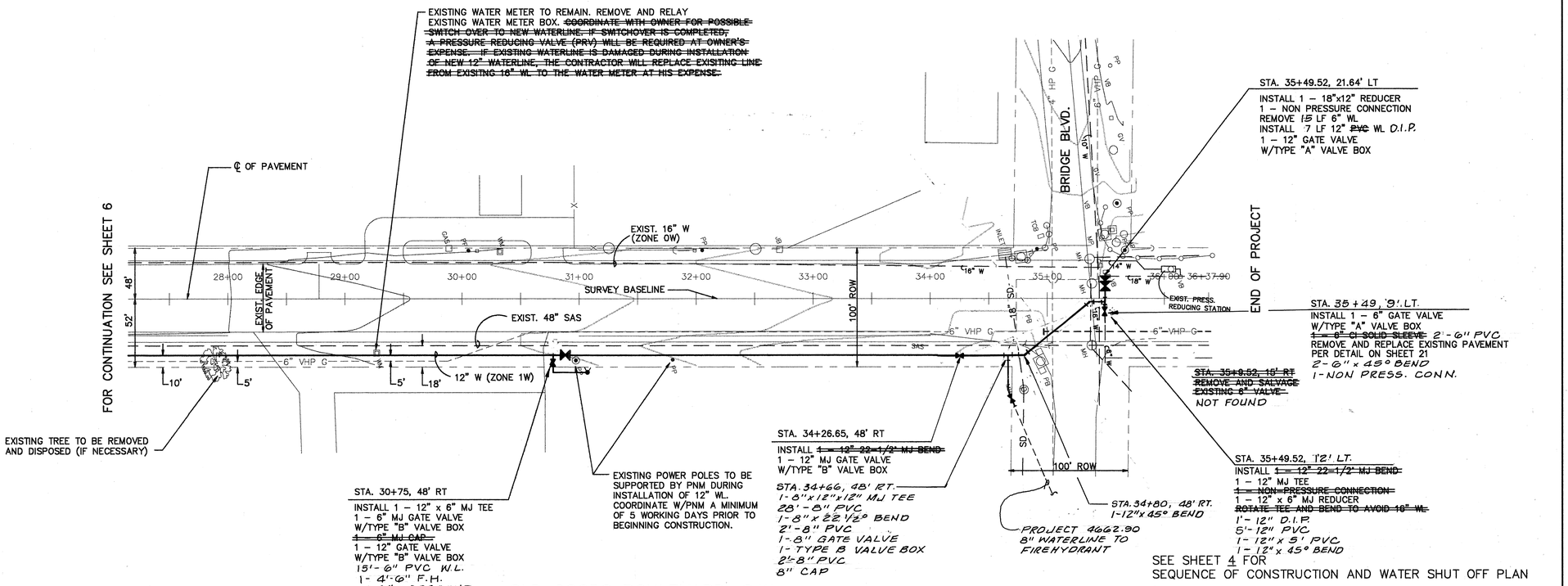
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: OLD COORS BOULEVARD
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

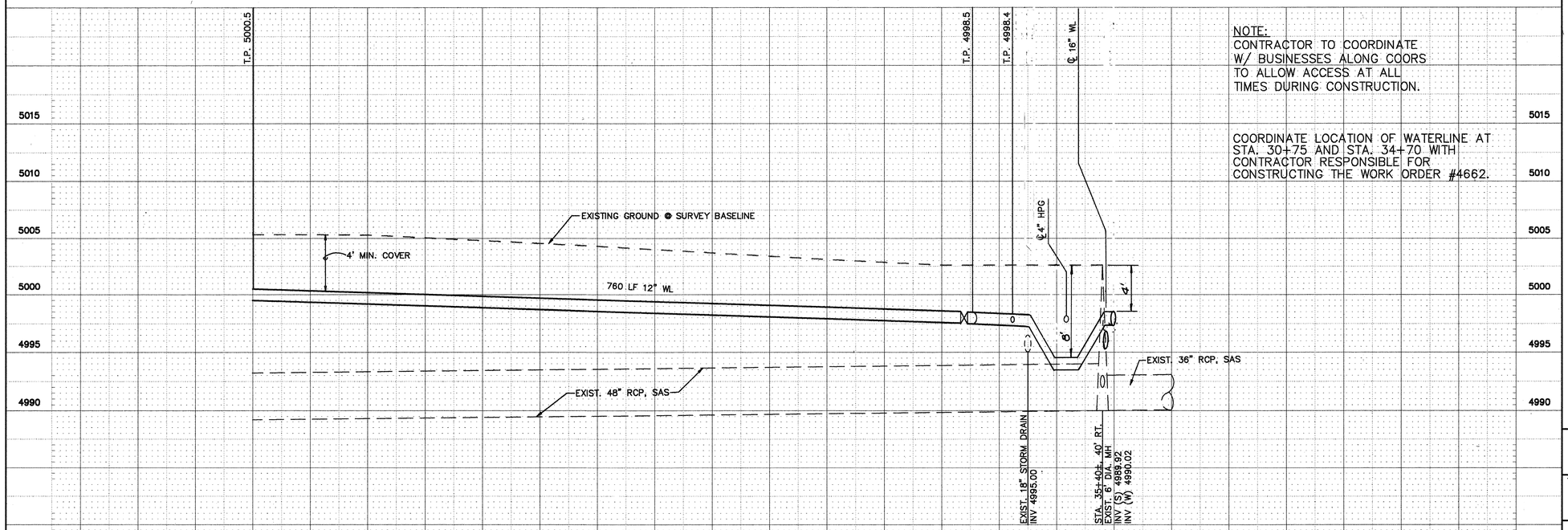
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	J.J. Goodlaxson	12-13-93	WATER		
TRANSPORTATION	N/A EHD	12-10-93	WASTE WATER		
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10,L-11 | SHEET 6 OF 26

WILSON & COMPANY WCEA #93-504



OLD COORS BOULEVARD, S.W.



NOTE:
CONTRACTOR TO COORDINATE W/ BUSINESSES ALONG COORS TO ALLOW ACCESS AT ALL TIMES DURING CONSTRUCTION.

COORDINATE LOCATION OF WATERLINE AT STA. 30+75 AND STA. 34+70 WITH CONTRACTOR RESPONSIBLE FOR CONSTRUCTING THE WORK ORDER #4662.

PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HORIZ. 1"=5' VERT.

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
		TREE/SHRUB
	G	GAS LINE
	SD	STORM DRAIN
	UT	UNDERGROUND TELEPHONE LINE
	UE	UNDERGROUND ELECTRICAL LINE
	UC	UNDERGROUND CABLE TV LINE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
BENCHMARK USED IS A 3 1/4" ALUMINUM TABLET SET IN CONCRETE 0.5' ABOVE THE GROUND. STATION IS STAMPED "ACS, NM45-44, 1983". LOCATED IN THE INTERSECTION OF COORS BLVD. AND BRIDGE BLVD.
ELEV.=5003.02

AS BUILT INFORMATION
CONTRACTOR J.R. HALE DATE 11/94
WORK STAKED BY J.R. HALE DATE
INSPECTOR'S ACCEPTANCE BY A.COSTAPACK DATE
FIELD VERIFICATION BY C.O.A. DATE
DRAWINGS CORRECTED BY WILSON CO. DATE 11/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JOHN M. STOMP NEW MEXICO PROFESSIONAL ENGINEER REGISTERED
12-01-93

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	NOV. 1993	DESIGNED BY	JMS
	NOV. 1993	DRAWN BY	PAS
	NOV. 1993	CHECKED BY	WFZ

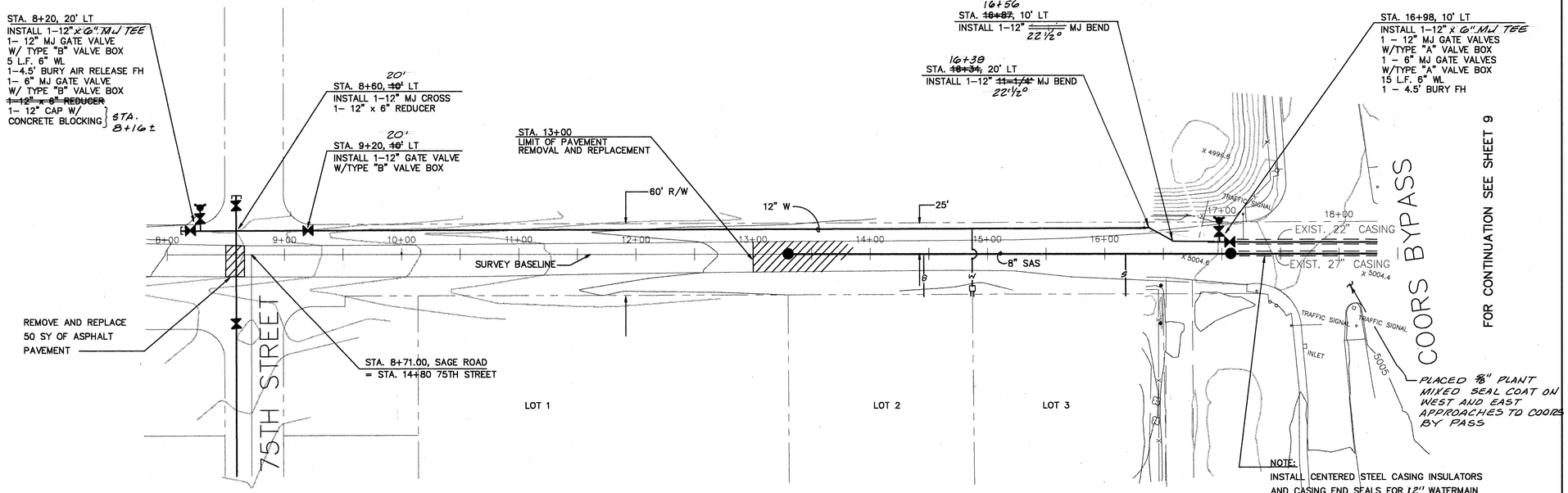
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: OLD COORS BOULEVARD
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	S.J. Bardsley	12-13-93	WATER	[illegible]	12/20/93
TRANSPORTATION	N/A R.H.O.	12-10-93	WASTE WATER		
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10,L-11 | SHEET 7 OF 26

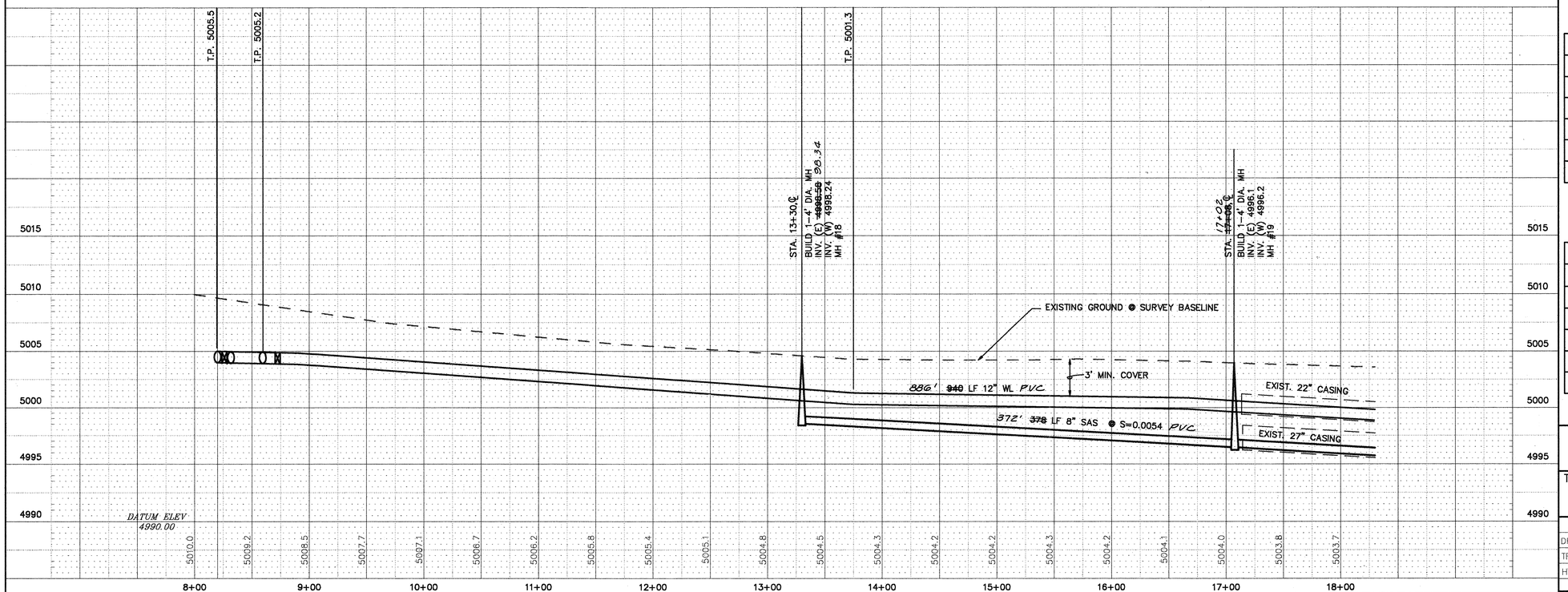
WILSON & COMPANY
WCEA #93-504



FOR CONTINUATION SEE SHEET 11

SAGE ROAD S.W.

NOTE: DOUBLE YELLOW ROAD CENTERLINE STRIPING REPLACED WHERE DISTURBED



PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
		TREE/SHRUB
G	G	GAS LINE
SD	SD	STORM DRAIN
UT	UT	UNDERGROUND TELEPHONE LINE
UE	UE	UNDERGROUND ELECTRICAL LINE
UC	UC	UNDERGROUND CABLE TV LINE

SEWER SERVICES

LOT	STATION	SIZE	LENGTH	INV. @ PL.
1				
2	14+45	4"	30'	5'
3	16+10	4"	30'	5'

WATER SERVICES

LOT	STATION	SIZE	LENGTH
1			
2	14+85	¾"	50'
3	14+85	¾"	50'

AS BUILT INFORMATION
CONTRACTOR U.E. HALE DATE 11/94
STAKED BY U.E. HALE DATE
INSPECTOR'S FIELD CHANGE BY A. OSTAPACK DATE
VERIFICATION BY C.O.A. DATE
CORRECTED BY WILSON CO. DATE 1-96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BENCHMARK USED IS A STANDARD ACS BRASS CAP STAMPED "ACS 45–74, 1978" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV.=4953.497
TBM #1 = PAINT SPOT AT TOP OF CURB @ S. CURB – END OF CURB ON EDUARDO RD., S.W. ELEV.=4989.27
TBM #2 = NE CORNER CONC. FENCE POST @ 3930 EDUARDO RD., S.W. ELEV.=4984.57

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN M. STOMP NEW MEXICO PROFESSIONAL ENGINEER REGISTERED
12-9-21

REMARKS / REVISIONS

NO.	DATE	BY
DESIGN	NOV. 1993	JMS
DRAWN	NOV. 1993	PAS
CHECKED	NOV. 1993	WFZ

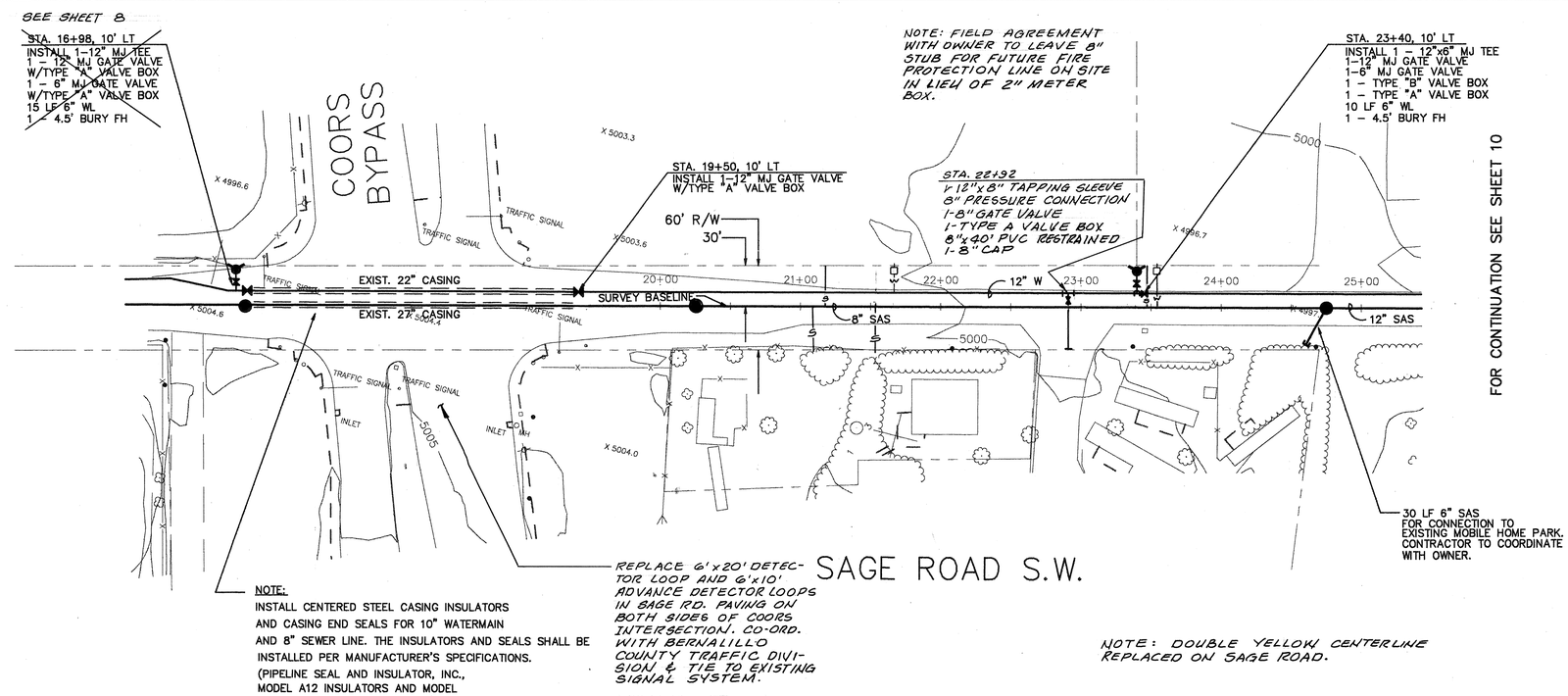
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

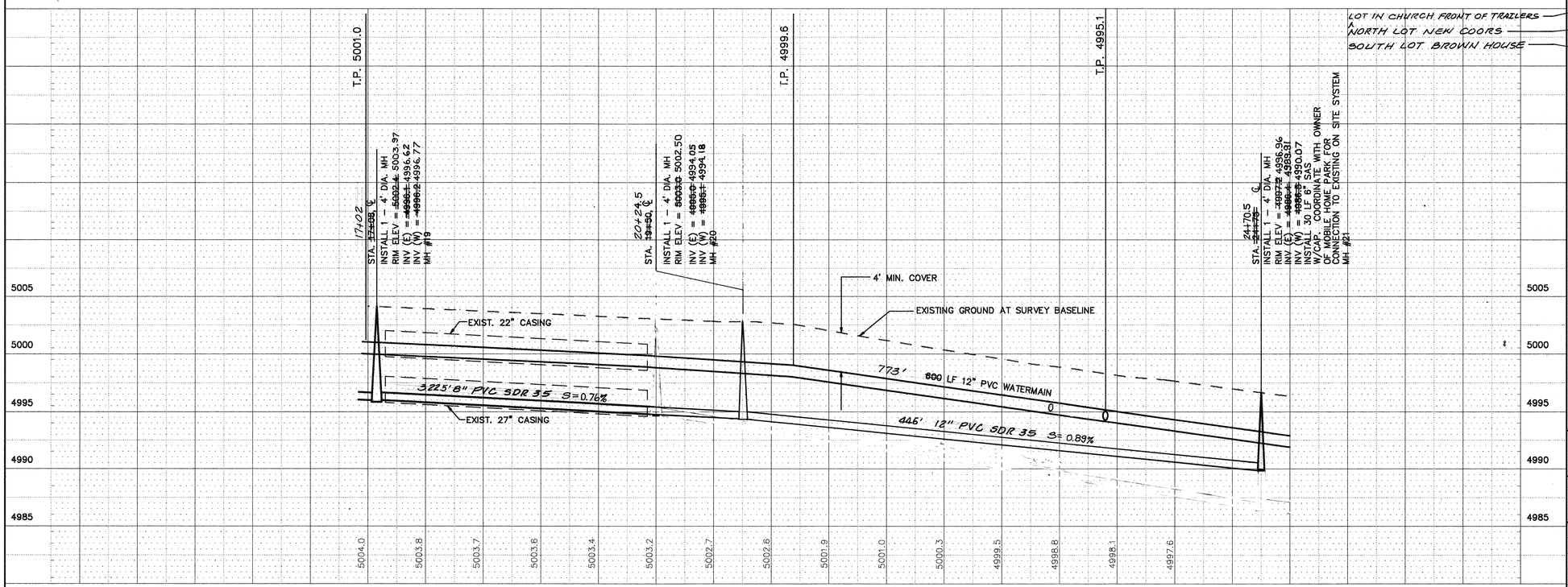
TITLE: SAGE ROAD
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	S.G. Loosley	12-13-93	WATER		
TRANSPORTATION	N/A RHO	12-10-93	WASTE WATER		12/1/93
HYDROLOGY	N/A	12/9/93			

PROJECT NO. 4515.94 | MAP NO. L-10,L-11 | SHEET 8 OF 26

WILSON & COMPANY WCEA #93-504





PLAN
SCALE: 1"=50'
PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

W&C

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
		TREE/SHRUB
G	G	GAS LINE
SD	SD	STORM DRAIN
UT	UT	UNDERGROUND TELEPHONE LINE
UE	UE	UNDERGROUND ELECTRICAL LINE
UC	UC	UNDERGROUND CABLE TV LINE

SEWER SERVICES

LOT	STATION	SIZE	LENGTH	INV. @ PL
	23±46	4"	30'	5'-6"
	21+17	4"	30'	5'
	21+53	4"	30'	5'
	21+08	4"	30'	

WATER SERVICES

LOT	STATION	SIZE	LENGTH
	21±65	3/4"	30'
	23+55	3/4"	30'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

BENCHMARK USED IS A STANDARD ACS BRASS CAP STAMPED "ACS 45-74, 1976" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV.=4953.487
TBM #1 = PAINT SPOT AT TOP OF CURB @ S. CURB - END OF CURB ON EDUARDO RD., S.W. ELEV.=4969.27
TBM #2 = NE CORNER CONC. FENCE POST @ 3930 EDUARDO RD., S.W. ELEV.=4984.57

AS BUILT INFORMATION

CONTRACTOR L.R. HALE DATE 11/94
WORK STAKED BY L.R. HALE DATE
INSPECTION & ACCEPTANCE BY A. OSTAPACK DATE
FIELD LOCATION BY C.O.A. DATE
DRAWINGS CORRECTED BY WILSON CO. DATE 11/94
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JOHN M. STOMBAUGH NEW MEXICO PROFESSIONAL ENGINEER REGISTERED
12-10-93

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	JMS NOV. 1993
		DESIGNED BY	PAS NOV. 1993
		DRAWN BY	WFZ NOV. 1993
		CHECKED BY	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SAGE ROAD S.W.
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

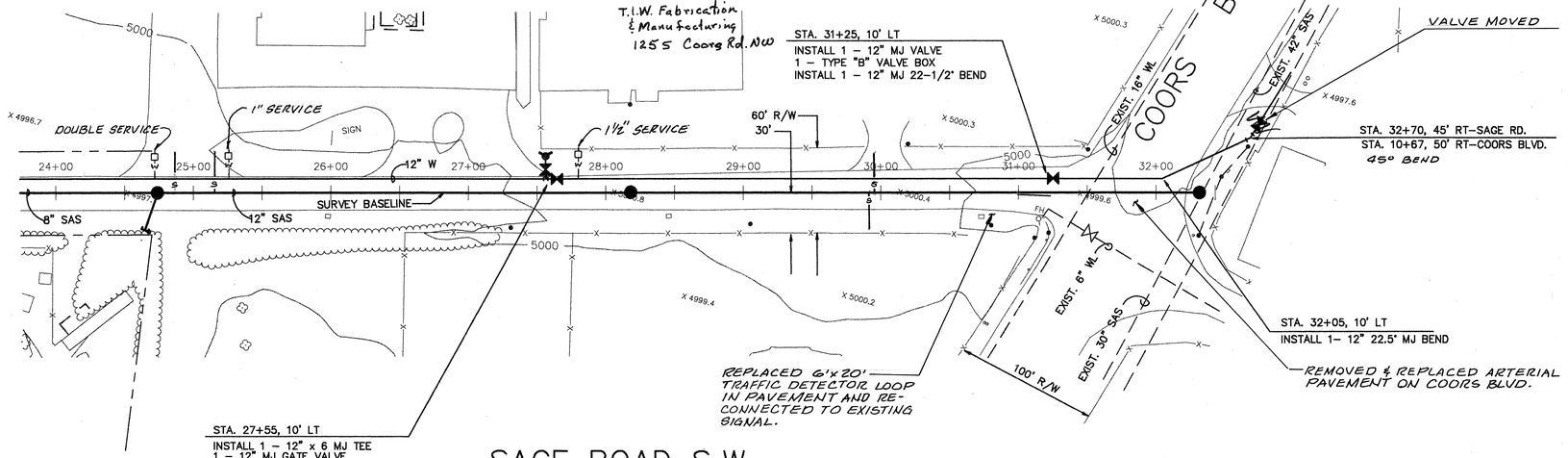
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	S.G. Eaton by	12-13-93	WATER		
TRANSPORTATION	N/A	12-10-93	WASTE WATER		
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10, L-11 | SHEET 9 OF 26

WILSON & COMPANY WCEA #93-504

FOR CONTINUATION SEE SHEET 9

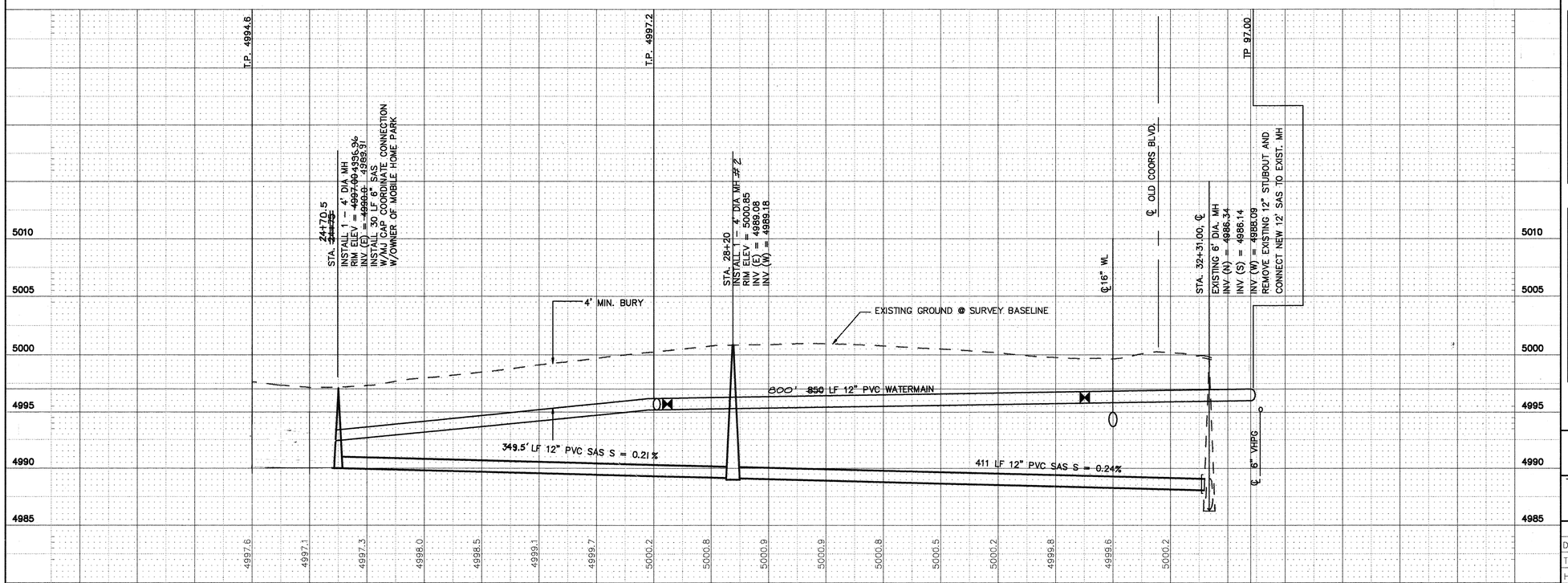
FOR CONTINUATION SEE SHEET 5



SAGE ROAD S.W.

NOTE: DOUBLE YELLOW CENTER LINE STRIPE REPLACED.

NOTE: SEE TRAFFIC CONTROL SHEETS FOR COORS BLVD. CLOSING



PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
		TREE/SHRUB
G	G	GAS LINE
SD	SD	STORM DRAIN
UT	UT	UNDERGROUND TELEPHONE LINE
UE	UE	UNDERGROUND ELECTRICAL LINE
UC	UC	UNDERGROUND CABLE TV LINE

SEWER SERVICES				
LOT	STATION	SIZE	LENGTH	INV. @ PL
	24+86	4"	30'	5'-6"
	28+18	4"	30'	5'-6"
	29+92	4"	27'	6'-6"
	28+98	4"	30'	5'-6"

WATER SERVICES			
LOT	STATION	SIZE	LENGTH
	24+72		
	25+26	1"	
	27±78	1½"	

AS BUILT INFORMATION
CONTRACTOR J.J.R. HALE DATE 1-94
WORK STAKED BY J.R. HALE DATE
WORK/SURVEY ACCEPTANCE BY A.OSTAPACK DATE
FIELD VERIFICATION BY C.O.A. DATE
DRAWINGS CORRECTED BY WILSON CO. DATE 1-96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BENCHMARK USED IS A STANDARD ACS BRASS CAP STAMPED "ACS 45-7A, 1976" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV.=4953.487
TBM #1 = PAINT SPOT AT TOP OF CURB @ S. CURB – END OF CURB ON EDUARDO RD., S.W. ELEV.=4989.27
TBM #2 = NE CORNER CONC. FENCE POST @ 3930 EDUARDO RD., S.W. ELEV.=4984.57

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN W. STOLZ NEW MEXICO PROFESSIONAL ENGINEER REGISTERED
6-W-21

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	JMS
		DESIGNED BY	DATE NOV. 1993
		DRAWN BY	PAS DATE NOV. 1993
		CHECKED BY	WFZ DATE NOV. 1993

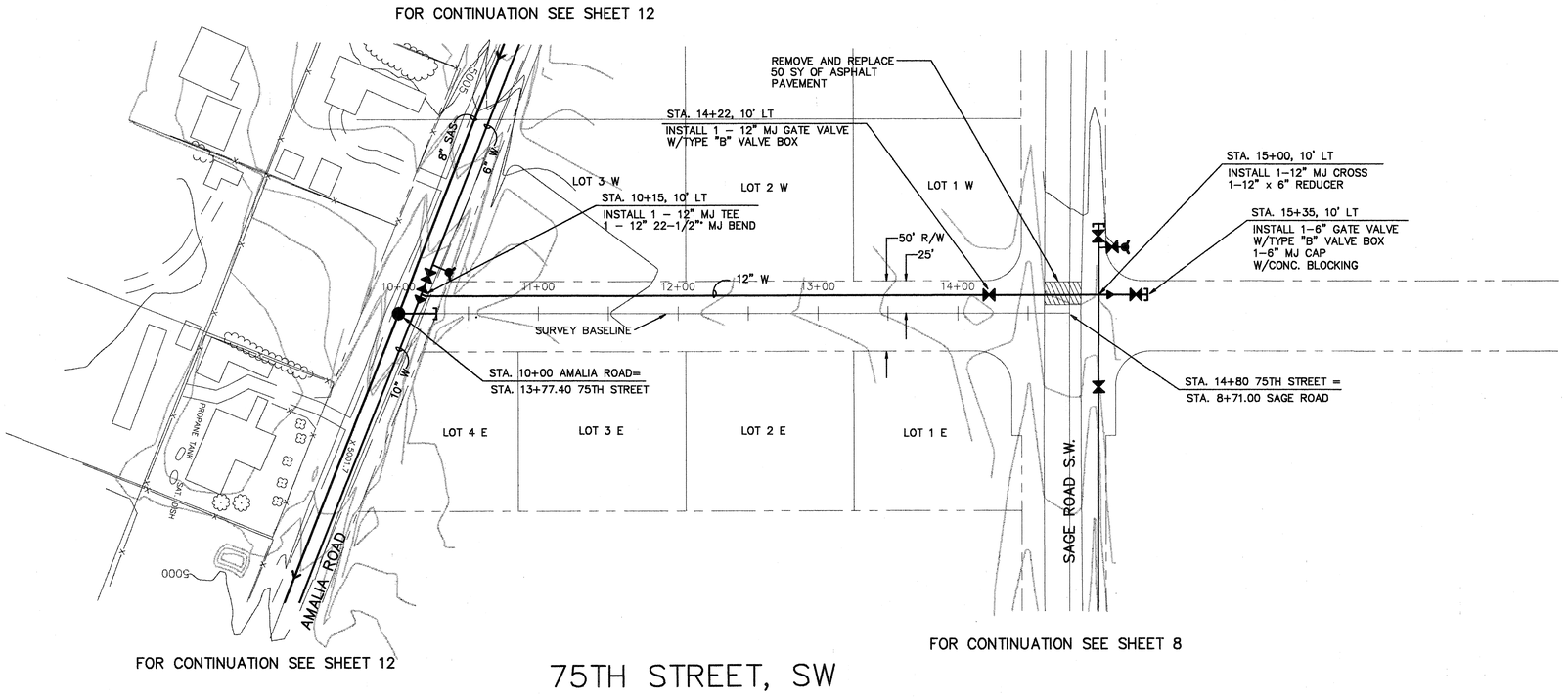
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SAGE ROAD
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

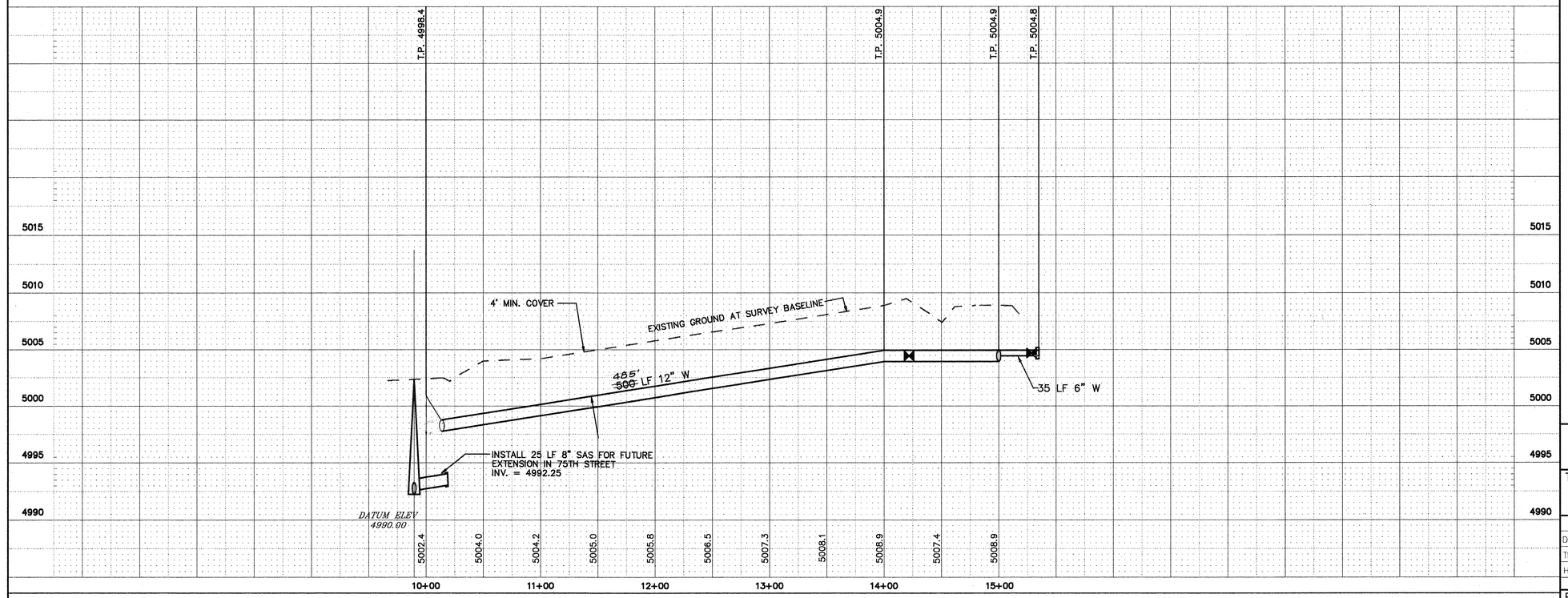
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	S.G. Goodaby	12-13-93	WATER		
TRANSPORTATION	N/A	12-10-93	WASTE WATER		
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10,L-11 | SHEET 10 OF 26

WILSON & COMPANY WCEA #93-504



75TH STREET, SW



PLAN
SCALE: 1"=50'
PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
		TREE/SHRUB
	G	GAS LINE
	SD	STORM DRAIN
	UT	UNDERGROUND TELEPHONE LINE
	UE	UNDERGROUND ELECTRICAL LINE
	UC	UNDERGROUND CABLE TV LINE

AS BUILT INFORMATION
CONTRACTOR J.R. HALE DATE 11/94
STAKED BY J.R. HALE DATE
INSPECTOR'S ACCEPTANCE BY A. ESTRADA DATE
FIELD VERIFICATION BY C.O.A. DATE
DRAWING CORRECTED BY WILSON CO. DATE 11/94
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BENCHMARK USED IS A STANDARD ACS BRASS CAP STAMPED "ACS 45-7A, 1976" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV.=4953.487
TBM #1 = PAINT SPOT AT TOP OF CURB @ S. CURB – END OF CURB ON EDUARDO RD., S.W. ELEV.=4989.27
TBM #2 = NE CORNER CONC. FENCE POST @ 3630 EDUARDO RD., S.W. ELEV.=4984.57

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN M. STOMP NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
12-10-93

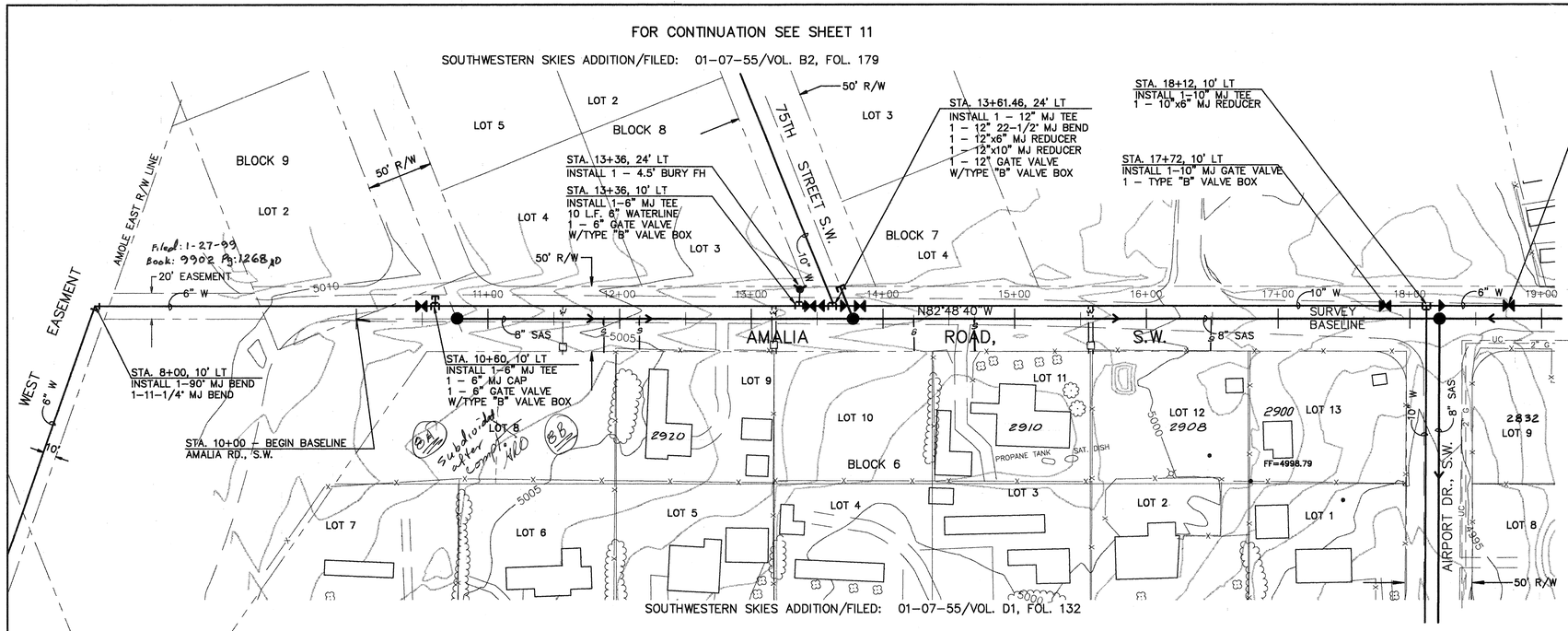
NO.	DATE	REMARKS	BY	DATE
		REVISIONS		
		DESIGN	JMS	NOV. 1993
		DESIGNED BY		
		DRAWN BY	PAS	NOV. 1993
		CHECKED BY	WFZ	NOV. 1993

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

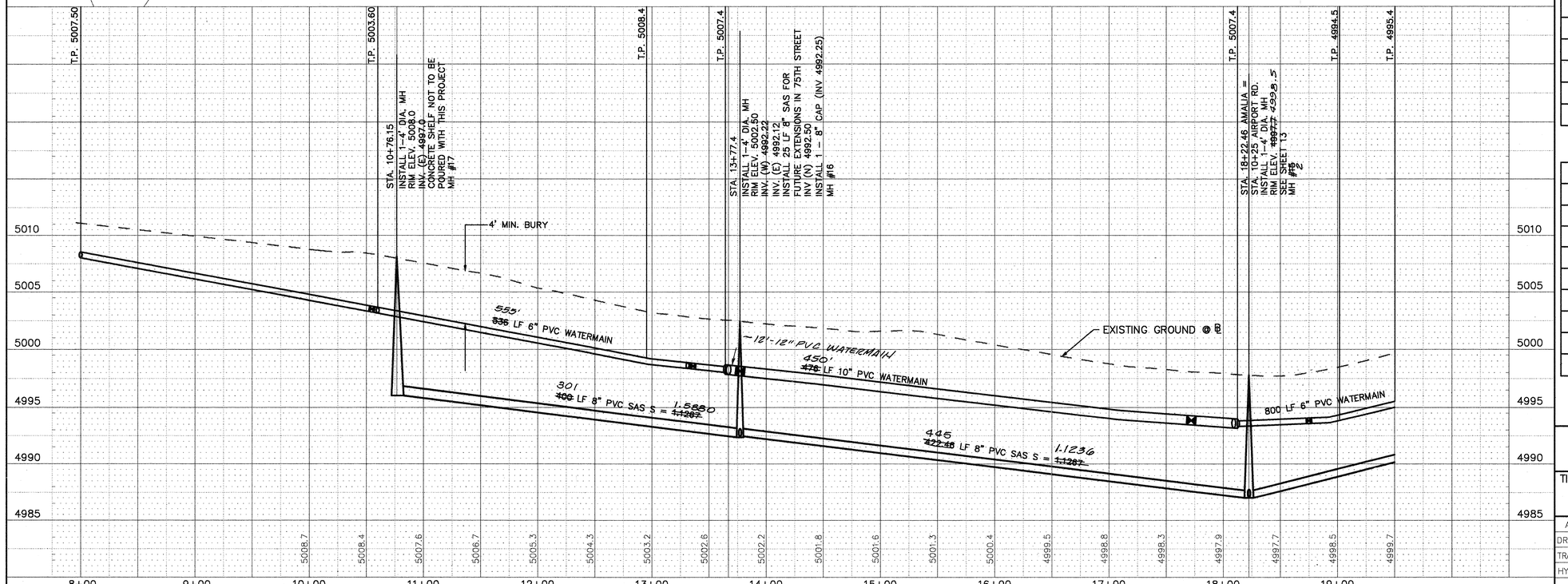
TITLE: 75TH STREET S.W.
SOUTH VALLEY WATER AND SEWER
SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	[signature]	12-13-93	WATER	[signature]	12/16/93
TRANSPORTATION	N/A	12-10-93	WASTE WATER		
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-11 | SHEET 11 OF 26



AMALIA ROAD, S.W.



PLAN
SCALE: 1"=50'
PROFILE
SCALE: 1"=50' HORIZ.
1"=5 VERT.

W&C

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
		TREE/SHRUB
	G	GAS LINE
	SD	STORM DRAIN
	UT	UNDERGROUND TELEPHONE LINE
	UE	UNDERGROUND ELECTRICAL LINE
	UC	UNDERGROUND CABLE TV LINE

SEWER SERVICES

LOT	STATION	SIZE	LENGTH	INV. @ PL
8	11+87	4"	30'	5'
9	12+15	4"	30'	5'
10	14+24	4"	30'	5'
11	14+69	4"	30'	5'
12	16+49	4"	30'	5'
13	17+64	4"	30'	5'

WATER SERVICES

LOT	STATION	SIZE	LENGTH
8	11±57	3/4"	
9	13±19	1 1/2"	
10	13±19	3/4"	
11	15±57		
12	15±57		
13			

AS BUILT INFORMATION
CONTRACTOR J.R. HALE DATE 11/94
WORK STAKED BY J.R. HALE DATE
ASSISTANCE BY A. OSTAPACK DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY C.O.A. DATE 11/96
DRAWINGS CORRECTED BY WILSON CO. DATE 11/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BENCHMARK USED IS A STANDARD AGS BRASS CAP STAMPED "ACS 45-7A, 1978" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV.=4953.487
TBM #1 = PAINT SPOT AT TOP OF CURB @ S. CURB - END OF CURB ON EDUARDO RD., S.W. ELEV.=4999.27
TBM #2 = NE CORNER CONC. FENCE POST @ 3930 EDUARDO RD., S.W. ELEV.=4984.57

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
JOHN M. STOMBAUGH NEW MEXICO PROFESSIONAL ENGINEER REGISTERED
12-01-93

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	
		DRAWN BY	
		CHECKED BY	

DESIGNED BY	JMS	DATE	NOV. 1993		
DRAWN BY	PAS	DATE	NOV. 1993		
CHECKED BY	WFZ	DATE	NOV. 1993		

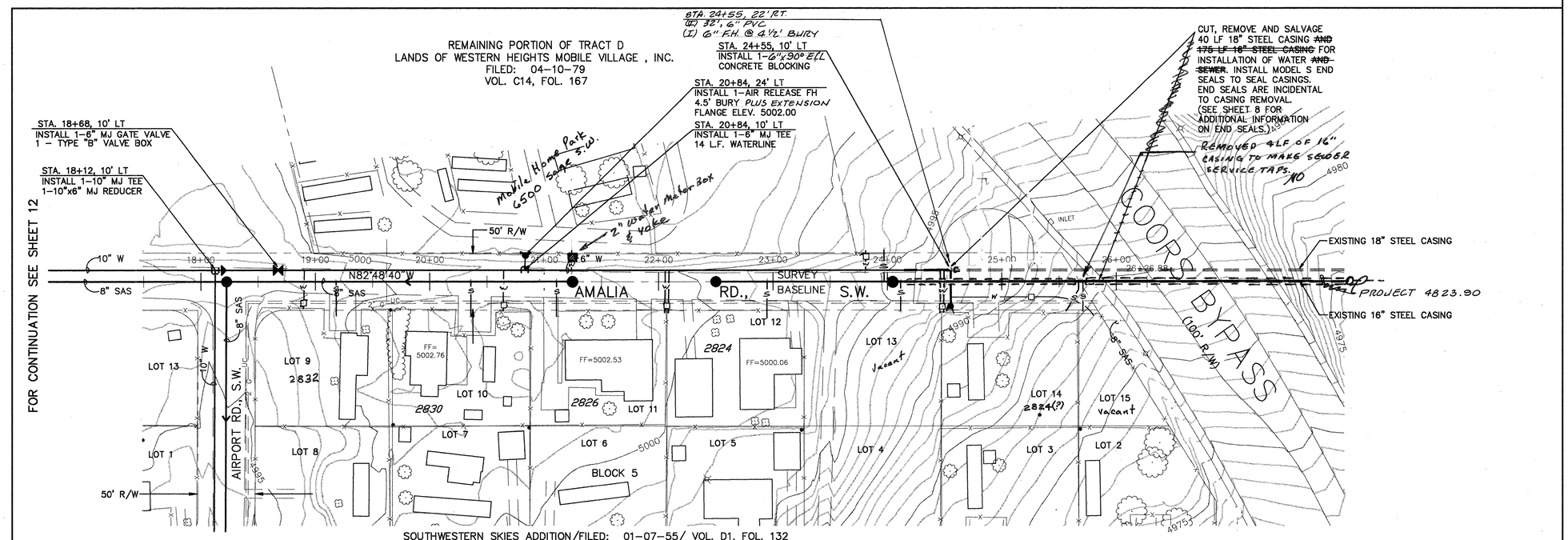
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMALIA ROAD, S.W.
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

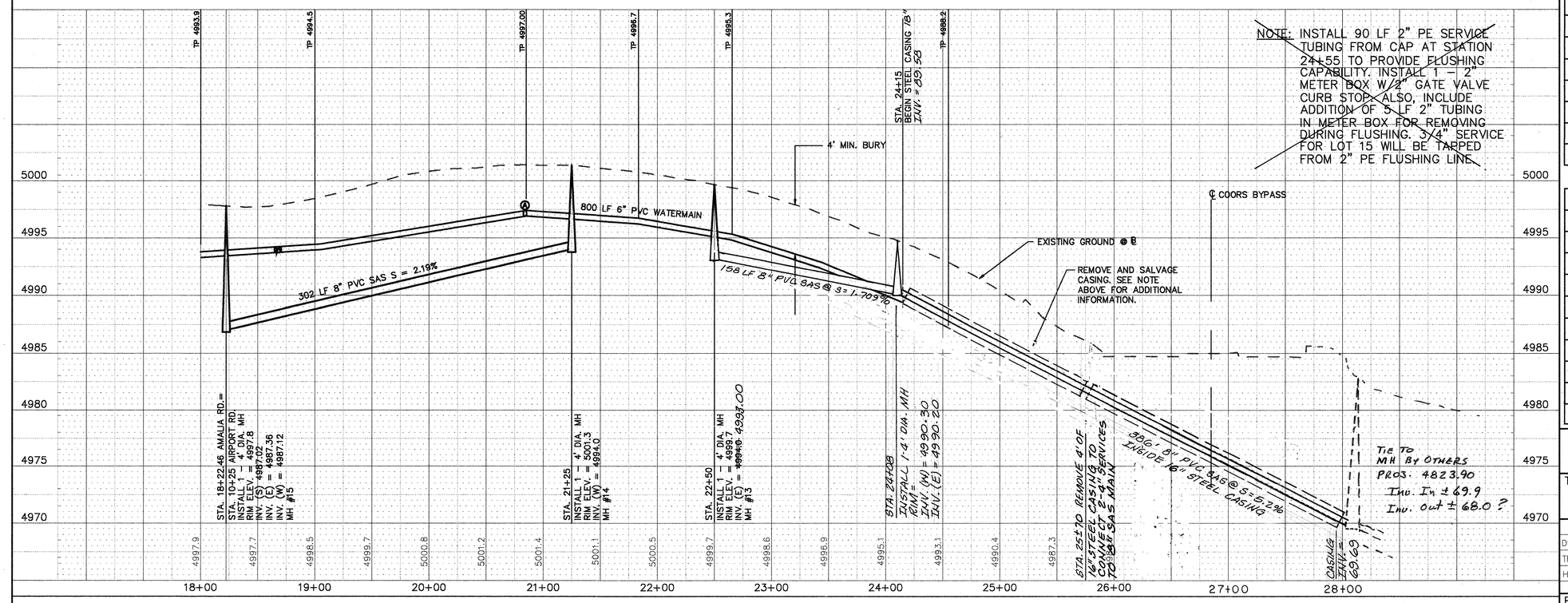
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION	N/A	12-13-93	WASTE WATER		12/10/93
HYDROLOGY	N/A RHO	12-10-93			
	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10, L-11 | SHEET 12 OF 26

WILSON & COMPANY
WCEA #93-504



AMALIA ROAD, S.W.



PLAN
SCALE: 1"=50'
PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
		TREE/SHRUB
G	G	GAS LINE
SD	SD	STORM DRAIN
UT	UT	UNDERGROUND TELEPHONE LINE
UE	UE	UNDERGROUND ELECTRICAL LINE
UC	UC	UNDERGROUND CABLE TV LINE

SEWER SERVICES

LOT	STATION	SIZE	LENGTH	INV. @ PL
9	19+18	4"	30'	5'
10	20+36	4"	30'	5'
11	21+11	4"	30'	5'
12	22+95	4"	30'	5'
LT.	23+97	4"	30'	5'
13	24+11	4"	25'	5'
14	25+68	4	25'	3.5'
15	25+70	4"	25'	3.5'

WATER SERVICES

LOT	STATION	SIZE	LENGTH
9	18+90	¾"	
10	20+65	¾"	
LT	21+13	2"	
11	22+05		
12	22+05		
LT	23+80	¾"	
18	24+46		
14	24+46		
15	24+55	¾"	

AS BUILT INFORMATION
CONTRACTOR U.R. HALE DATE 11/93
WORK STAKED BY J.R. HALE DATE
INSPECTED BY ACCEPTANCE BY A.OSTAPACK DATE
FIELD LOCATION BY C.O.A. DATE
DRAWINGS CORRECTED BY WILSON CO. DATE 11/93
RECORDED BY MICRO-FILM INFORMATION DATE
NO.

BENCH MARKS
BENCHMARK USED IS A STANDARD ACS BRASS CAP STAMPED "ACS 45-7A, 1978" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV.=4953.487
TBM #1 - PAINT SPOT AT TOP OF CURB @ S. CURB - END OF CURB ON EDUARDO RD., S.W. ELEV.=4989.27
TBM #2 - NE CORNER CONC. FENCE POST @ 3930 EDUARDO RD., S.W. ELEV.=4984.57

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

REMARKS
REVISIONS
DESIGN

NO.	DATE	BY
	DESIGNED BY	JMS NOV. 1993
	DRAWN BY	PAS NOV. 1993
	CHECKED BY	WFZ NOV. 1993

ENGINEER'S SEAL
JOHN M. STOMP
NEW MEXICO PROFESSIONAL ENGINEER
REGISTERED
12-13-93

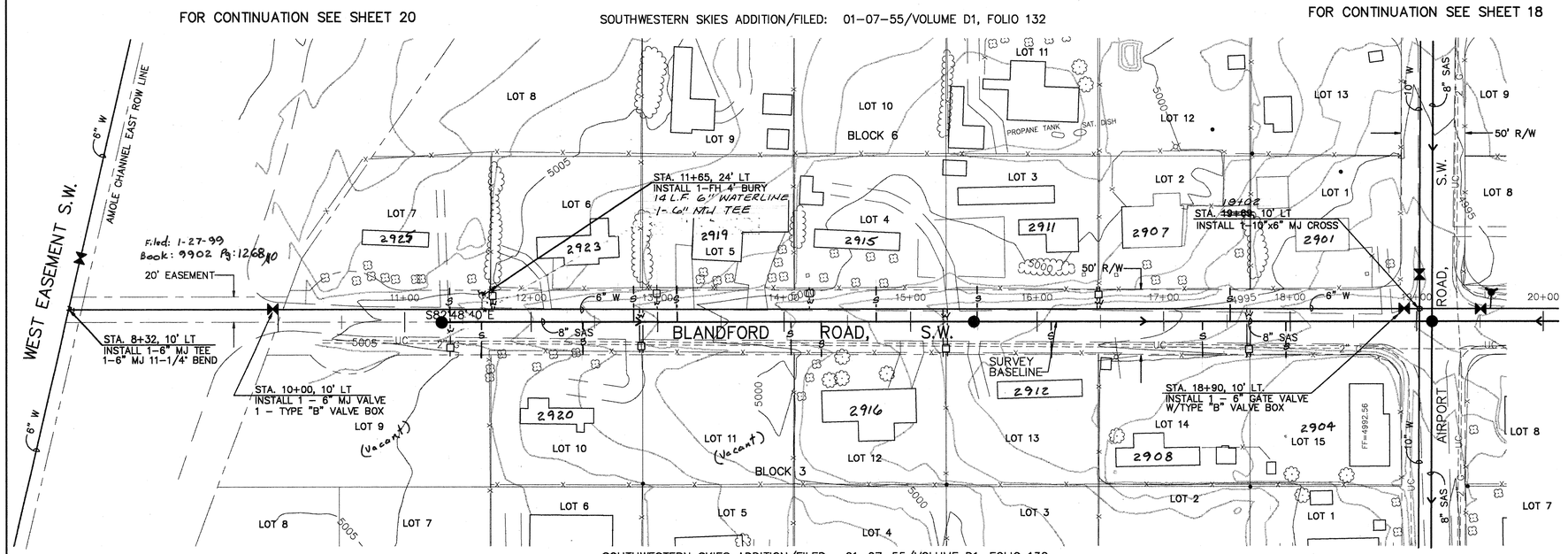
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

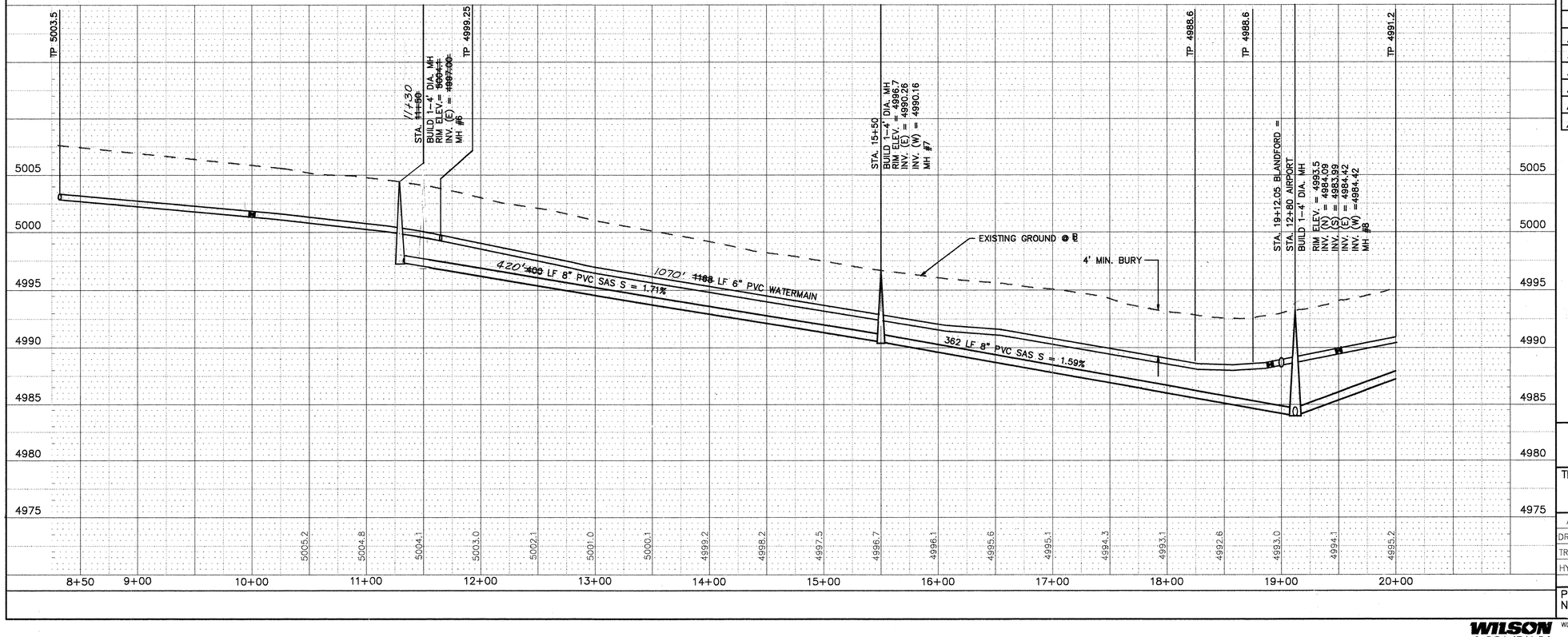
TITLE: AMALIA ROAD, S.W.
SOUTH VALLEY WATER AND SEWER
SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.J. Gonzales	12-13-93	WATER		
TRANSPORTATION	N/A RHD	12-10-93	WASTE WATER		12/10/93
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10,L-11 | SHEET 13 OF 26

WILSON & COMPANY
WCEA #93-504





PLAN
SCALE: 1"=50'
PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

WCC

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
		TREE/SHRUB
	G	GAS LINE
	SD	STORM DRAIN
	UT	UNDERGROUND TELEPHONE LINE
	UE	UNDERGROUND ELECTRICAL LINE
	UC	UNDERGROUND CABLE TV LINE

SEWER SERVICES

LOT	STATION	SIZE	LENGTH	INV. @ PL
2	17+52	4"	25'	5'
3	16+53	4"	25'	5'
4	14+73	4"	25'	5'
5	13+15	4"	25'	5'
6	12+90	4"	25'	5'
7	17+36	4"		
9	11+68	4"	25'	5'
10	12+40	4"	25'	5'
11	14+06	4"	25'	5'
12	14+29	4"	25'	5
13	16+11	4'	25'	5'
14	17+31	4'	25'	5'
15	17+97	4'	25'	5'

WATER SERVICES

LOT	STATION	SIZE	LENGTH
9	11+36	3/4"	
6&7	11+65	3/4"	
10&11	12+88	3/4"	
5	12+99	3/4"	
4	14+20	3/4"	
12&13	15+28	3/4"	
3&2	16+48	3/4"	
14&15	17+68	3/4"	

AS BUILT INFORMATION — DATE: 11/94
CONTRACTOR J.R. HALE — DATE
WORK STAKED BY J.R. HALE — DATE
WORK INSPECTED BY A. OSTRACK — DATE
ACCEPTANCE BY C.O.A. — DATE
FIELD LOCATION BY — DATE
DRAWINGS CORRECTED BY WILSON CO. — DATE: 11/96
RECORDED BY MICRO-FILM INFORMATION — DATE
NO.

BENCH MARKS
BENCHMARK USED IS A STANDARD ACS BRASS CAP STAMPED "ACS 45-74, 1978" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV. = 4953.467
TBM IS A 5/8" BAR W/CAP STAMPED "PANEL PT. 14" SET AT THE W. END OF EDUARDO ROAD, S.W. ELEV.=5004.94

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JOHN W. STOMP, JR. NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
12-17-93

REMARKS
REVISIONS
DESIGN — DESIGNED BY JMS — DATE NOV. 1993
DRAWN BY PAS — DATE NOV. 1993
CHECKED BY WFZ — DATE NOV. 1993
NO. | DATE | BY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: BLANDFORD ROAD, S.W.
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION	N/A CHD	12-10-93	WASTE WATER		12/10/93
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10, L-11 | SHEET 14 OF 26

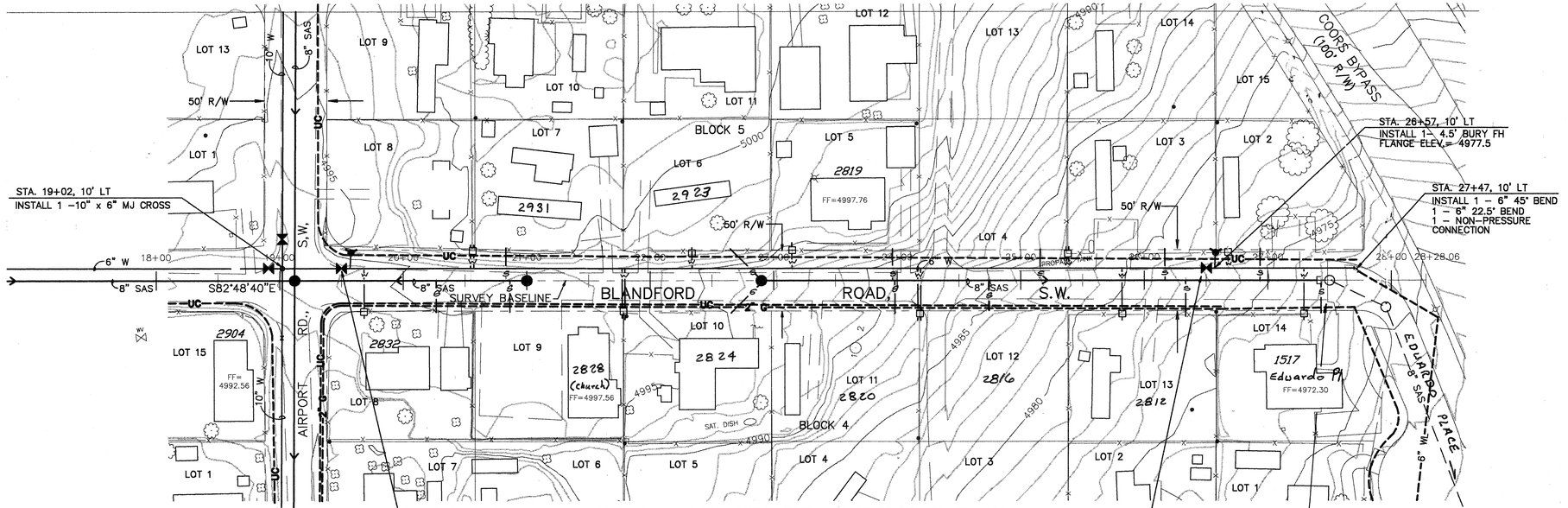
WILSON & COMPANY
WCEA #93-504

FOR CONTINUATION SEE SHEET 14

FOR CONTINUATION SEE SHEET 18

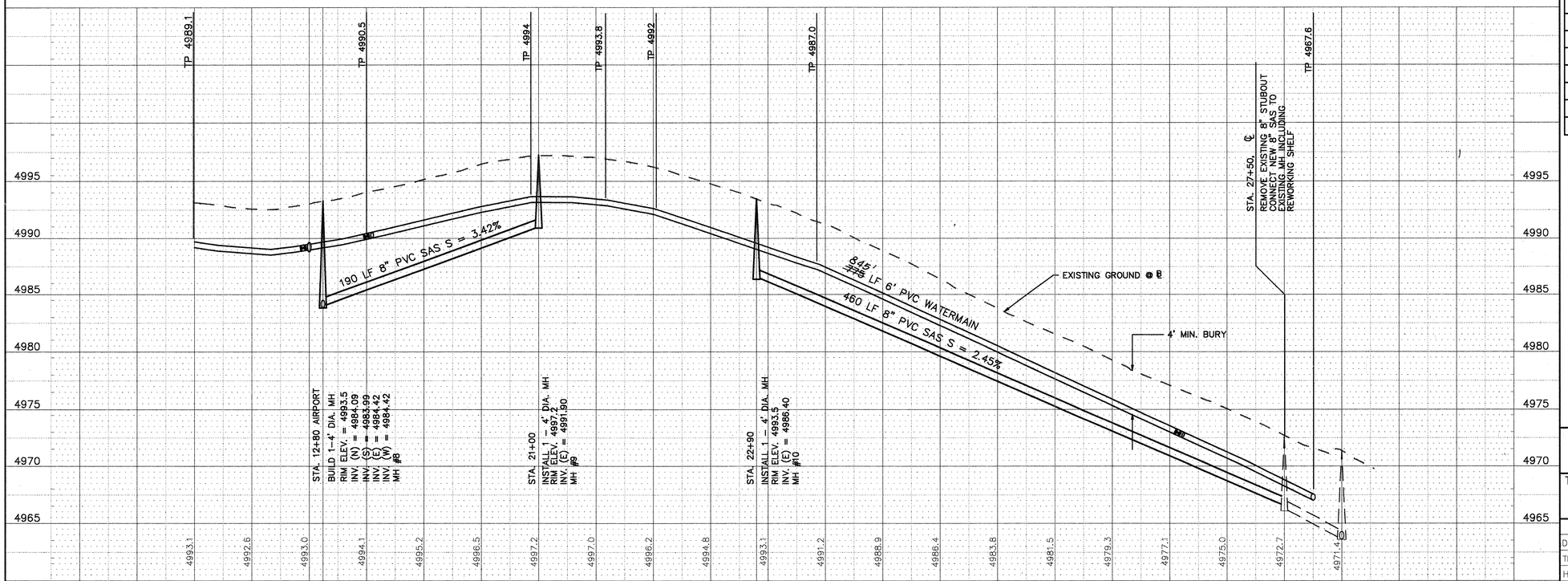
FOR CONTINUATION SEE SHEET 18

SOUTHWESTERN SKIES ADDITION/FILED: 01-07-55/VOL. D1, FOL. 132



SOUTHWESTERN SKIES ADDITION/FILED: 01-07-55/VOL. D1, FOL. 132

BLANDFORD ROAD, S.W.



PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

W&C

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
		TREE/SHRUB
	G	GAS LINE
	SD	STORM DRAIN
	UT	UNDERGROUND TELEPHONE LINE
	UE	UNDERGROUND ELECTRICAL LINE
	UC	UNDERGROUND CABLE TV LINE

SEWER SERVICES

LOT	STATION	SIZE	LENGTH	INV. @ PL
2	26+93	4"	25'	4'-6"
3	26+16	4"	25'	4'-6"
4	25+16	4"	25'	4'-6"
5	23+95	4"	25'	4'-6"
6	22+80	4"	25'	4'-6"
7	20+83	4"	25'	5'
8	SERVICE FROM AIRPORT RD.			
8(S)	20+27	4"	25'	5'
9	20+86	4"	25'	5'
10	22+90	4"	28'	5'
11	23+99	4"	28'	5'
12	24+73	4"	28'	4'-6"
13	23+33	4"	28'	4'-6"
14	27+43	4"	28'	4'-6" ±

WATER SERVICES

LOT	STATION	SIZE	LENGTH
2	26+67	3/4"	
3	25+38		
4	26+38		
5	23+14	3/4"	
6	22+33	3/4"	
7	20+56		
8	20+56		
8(S)	19+69	3/4"	
9	21+79		
10	21+79		
11	24+19		
12	24+19		
13	25+82	3/4"	
14	27+29	3/4"	

AS BUILT INFORMATION DATE: 1/94
CONTRACTOR: J.R. HALE DATE
WORK STAKED BY: J.R. HALE DATE
AS-BUILT NOTE ACCEPTANCE BY: A.OSTAPACK DATE
FIELD VERIFICATION BY: C.O.A. DATE
DRAWINGS CORRECTED BY: WILSON CO. DATE: 1/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BENCHMARK USED: IS A STANDARD AGS BRASS CAP STAMPED "AGS 45-7A, 1976" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV. = 4953.487
TBM IS A 5/8" BAR W/CAP STAMPED "PANEL P7, 14" SET AT THE W. END OF EDUARDO ROAD, S.W. ELEV.=5004.94

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN M. STOMP, III, NEW MEXICO, 9803, REGISTERED PROFESSIONAL ENGINEER
12-9-93

REMARKS
REVISIONS
DESIGN

NO.	DATE	BY
	NOV. 1993	JMS
	NOV. 1993	PAS
	NOV. 1993	WFZ

DESIGNED BY
DRAWN BY
CHECKED BY

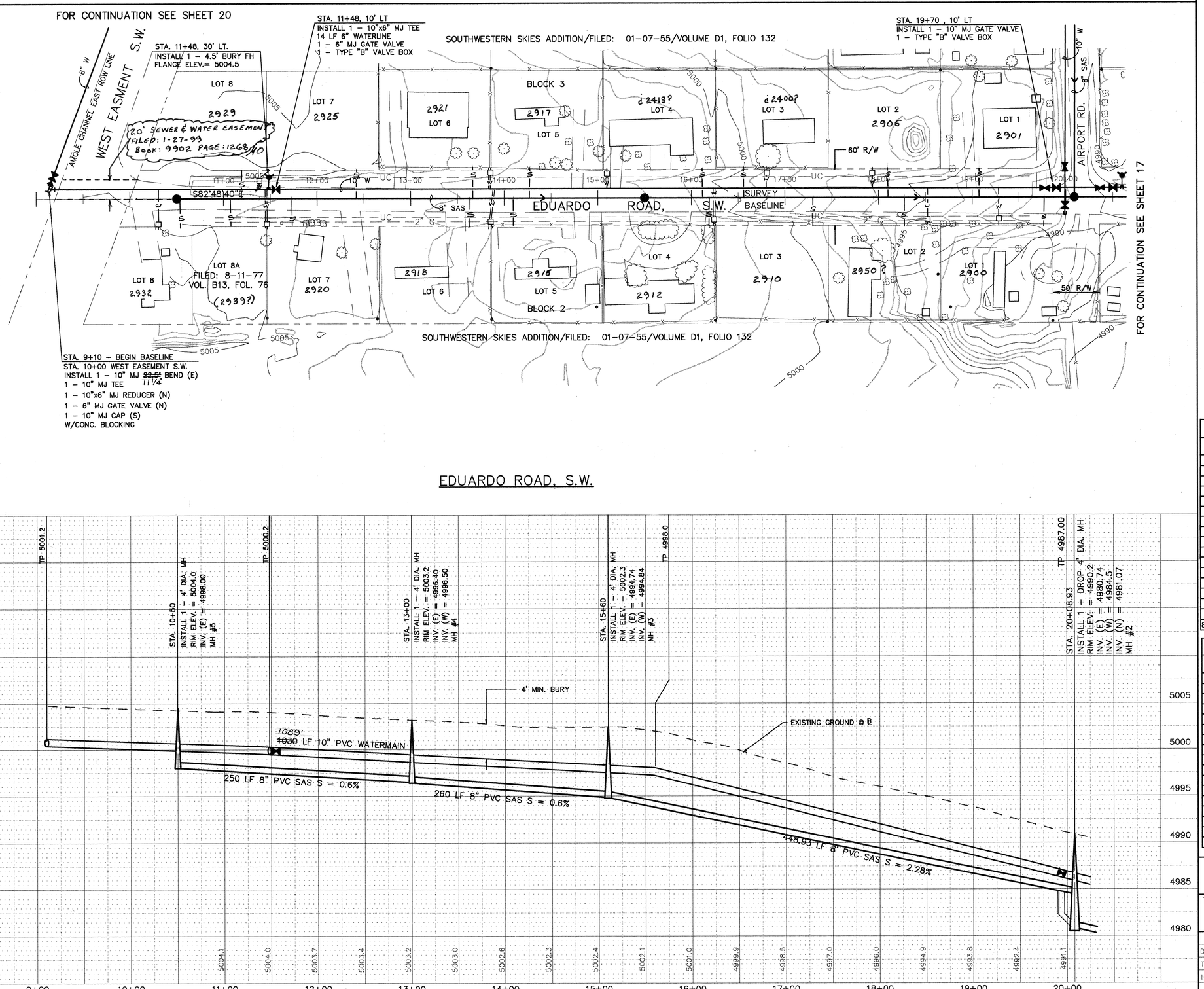
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: BLANDFORD ROAD, S.W.
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION	N/A	12-13-93	WASTE WATER		12/10/93
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10,L-11 | SHEET 15 OF 26

WILSON & COMPANY
WCEA #93-504



EDUARDO ROAD, S.W.

PLAN
SCALE: 1"=50'
PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
		TREE/SHRUB
	G	GAS LINE
	SD	STORM DRAIN
	UT	UNDERGROUND TELEPHONE LINE
	UE	UNDERGROUND ELECTRICAL LINE
	UC	UNDERGROUND CABLE TV LINE

SEWER SERVICES

LOT	STATION	SIZE	LENGTH	INV. @ PL.
1	19+07	4"	30'	5'
2	18+09	4"	30'	5'
3	16+56	4"	30'	5'
4	16+12	4"	30'	5'
5	14+26	4"	30'	5'
6	13+65	4"	30'	5'
7	12+41	4"	30'	5'
8	11+18	4"	30'	5'
1(S)	19+76	4"	30'	5'
2(S)	18+27	4"	30'	5'
3(S)	17+30	4"	30'	5'
4(S)	16+19	4"	30'	5'
5(S)	14+09	4"	30'	5'
6(S)	13+62	4"	30'	5'
7(S)	11+72	4"	30'	5'
8(S)	10+53	4"	30'	5'
8A(S)	11+07	4"	30'	5'

WATER SERVICES

LOT	STATION	SIZE	LENGTH
1			
2	17+95	3/4"	
3	16+81	3/4"	
4	15+09	3/4"	
5	13+85	3/4"	
6	13+85		
7	11+38		
8	11+38		
1 (S)	19+28	3/4"	
2 (S)	18+53	3/4"	
3 (S)	16+24		
4 (S)	16+24		
5 (S)	13+86		
6 (S)	13+86		
7 (S)	11+45		
8 (S)	10+31	3/4"	
8A (S)	11+45		

AS BUILT INFORMATION DATE 11/94
CONTRACTOR J.R. HALE DATE
WORK STAKED BY J.R. HALE DATE
ACCEPTANCE BY A. OSTAPACK DATE
FIELD VERIFICATION BY COA DATE
DRAWINGS CORRECTED BY WILSON CO. DATE 12/93
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

BENCHMARK USED IS A STANDARD ACS BRASS CAP STAMPED "ACS 45-7A, 1978" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV. = 4953.487
TBM IS A 5/8" BAR W/CAP STAMPED "PANEL PT. 14" SET AT THE W. END OF EDUARDO ROAD, S.W. ELEV.=5004.94

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN M. STOMP III NEW MEXICO PROFESSIONAL ENGINEER REGISTERED
12-17-93

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	JMS DATE NOV. 1993
		DESIGNED BY	
		DRAWN BY	PAS DATE NOV. 1993
		CHECKED BY	WFZ DATE NOV. 1993

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

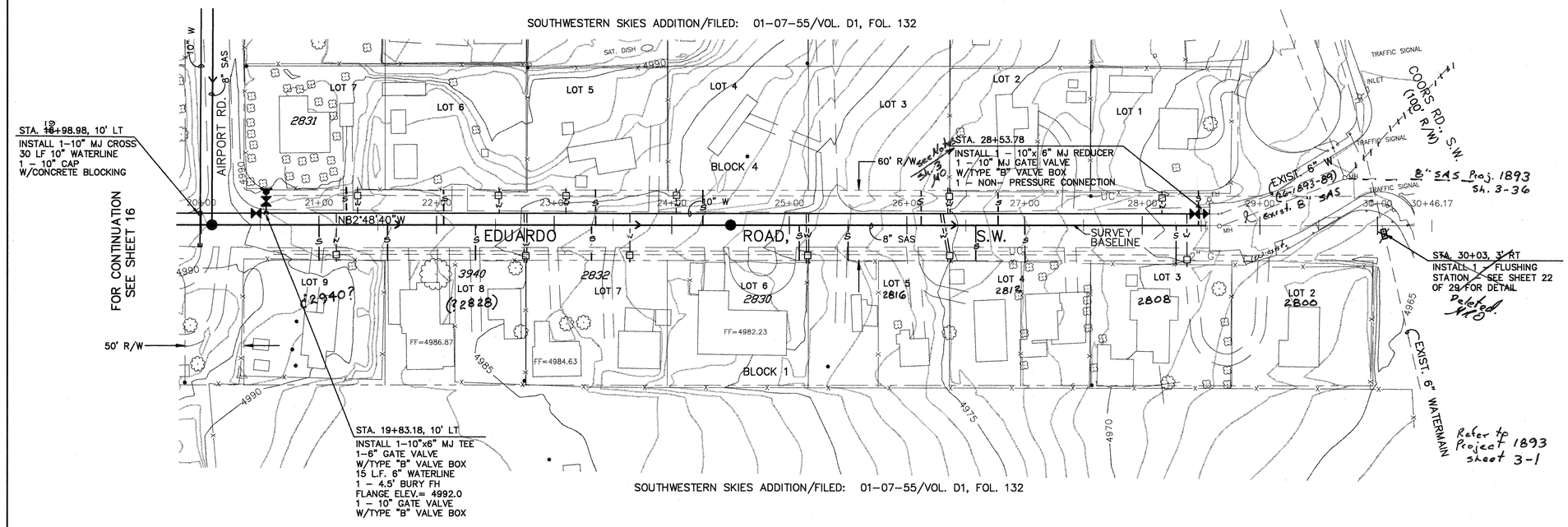
TITLE: EDUARDO ROAD, S.W.
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	S.G. Baadsby	12-13-93	WATER		
TRANSPORTATION	N/A	12-10-93	WASTE WATER		12/10/93
HYDROLOGY	N/A	12/10/93			

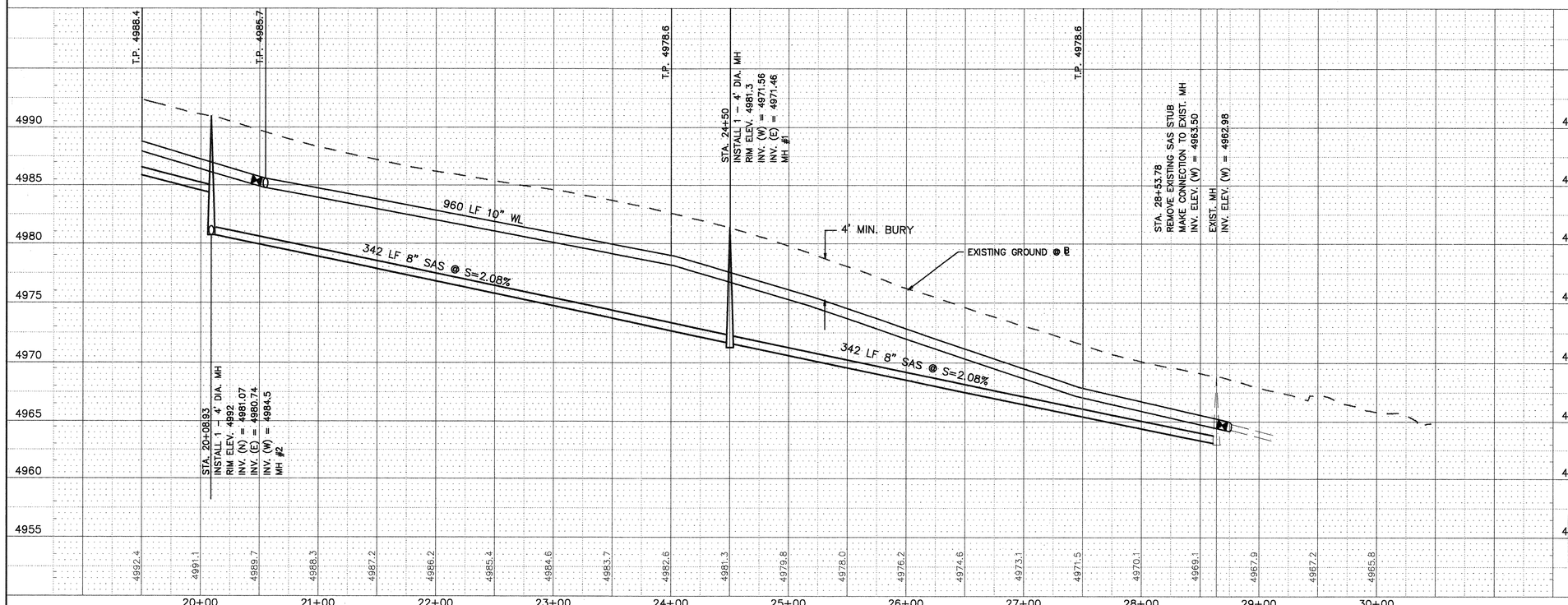
PROJECT NO. 4515.94 | MAP NO. L-10,L-11 | SHEET 16 OF 26

WILSON & COMPANY WCEA #93-504

FOR CONTINUATION SEE SHEET 18



EDUARDO ROAD, S.W.



PLAN
SCALE: 1"=50'
PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

LEGEND

NEW	EXIST.	
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
MH	MH	SANITARY SEWER MANHOLE
GATE / BUTTERFLY	WV	WATER VALVE
WM	WM	WATER METER
		FIRE HYDRANT
		TREE/SHRUB

SEWER SERVICES

LOT	STATION	SIZE	LENGTH	INV. @ PL
1	28+48	4"		
2	26+77	4"		
3	26+18	4"		
4	24+26	4"		
5	26+36	4"		
6	22+06	4"		
7	21+23	4"		
8(S)	21+55	4"		
9(S)	27+00	4"		
3(S)	28+28	4"		
4(S)	26+58	4"		
5(S)	25+50	4"		
6(S)	25+09	4"		
7(S)	23+32	4"		
8(S)	22+35	4"		
9(S)	21+00	4"		

WATER SERVICES

LOT	STATION	SIZE	LENGTH
1	28+17	3/4"	EXISTING
2	26+35		
3	26+35		
4	24+04	3/4"	
5	23+10	3/4"	
6	22+53	3/4"	
7	21+33	3/4"	
2 (S)			
3 (S)	28+38	3/4"	EXISTING
4 (S)	26+35		
5 (S)	26+35		
5&6 (S)	25+16		
7 (S)	23+64	3/4"	
7&8 (S)	22+76		
9 (S)	21+15	3/4"	

AS BUILT INFORMATION
CONTRACTOR J.R. HALE DATE 11/94
WORK STAKED BY J.R. HALE DATE
STAKING CHECKED BY A. OSTAPACK DATE
ACCEPTANCE BY C.O.A. DATE
FIELD INSPECTION BY C.O.A. DATE
DRAWINGS CORRECTED BY WILSON CO. DATE 12/96
RECORDED BY MICRO-FILM INFORMATION DATE
NO.

BENCH MARKS
BENCHMARK USED IS A STANDARD A&S BRASS CAP STAMPED "A&S 45-7A, 1978" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV. = 4953.487
TBM IS A 5/8" BAR W/CAP STAMPED "PANEL PT. 14" SET AT THE W. END OF EDUARDO ROAD, S.W. ELEV=5004.94

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
NEW MEXICO STATE ENGINEER JOHN M. WILSON REGISTERED PROFESSIONAL
12-01-93

REMARKS
REVISIONS
DESIGN
NO. DATE BY
DESIGNED BY JMS DATE NOV. 1993
DRAWN BY PAS DATE NOV. 1993
CHECKED BY WFZ DATE NOV. 1993

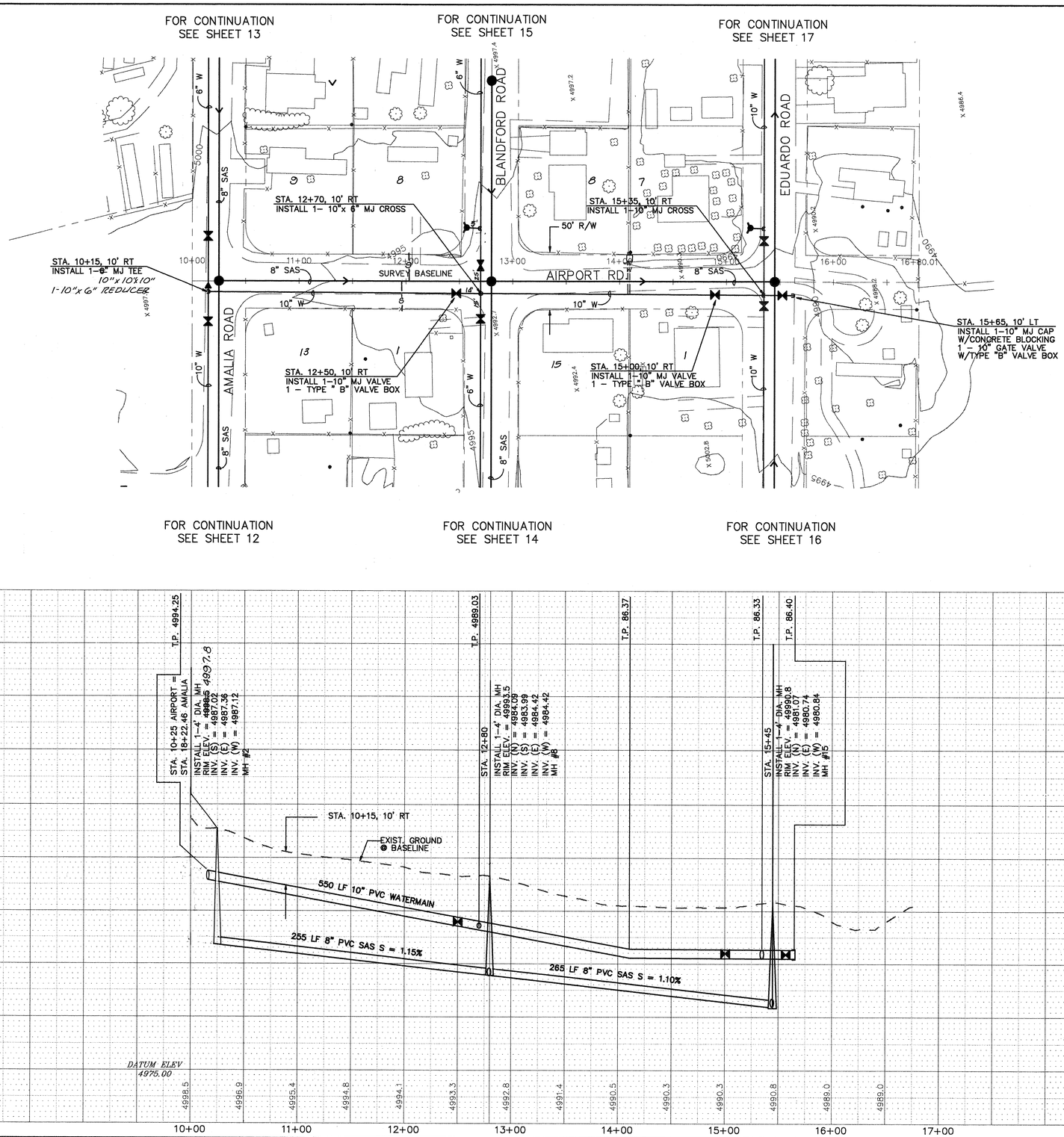
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: EDUARDO ROAD, S.W.
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.J. Kloosterboer	12-13-93	WATER		
TRANSPORTATION	N/A CHG	12-10-93	WASTE WATER	Hdl Evan	12/10/93
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10, L-11 | SHEET 17 OF 26

WILSON & COMPANY WCEA #93-504



PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

SEWER SERVICES				
LOT	STATION	SIZE	LENGTH	INV. @ PL
1	11+97	4"		
8	12+02	4"		

WATER SERVICES			
LOT	STATION	SIZE	LENGTH
8	12+09		
7	12+09		

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

BENCHMARK USED IS A STANDARD ACS BRASS CAP STAMPED "ACS 45-7A, 1976" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV.=4953.487
TBM #1 = PAINT SPOT AT TOP OF CURB @ S. CURB - END OF CURB ON EDUARDO RD., S.W. ELEV.=4989.27
TBM #2 = NE CORNER CONC. FENCE POST @ 3930 EDUARDO RD., S.W. ELEV.=4984.57

AS BUILT INFORMATION

CONTRACTOR	J.R. HALE	DATE 11/93
WORK STAKED BY	J.E. HALE	DATE
INSPECTOR'S AS-BUILT MARK BY	A. OSTAPACK	DATE
FIELD DIMENSION BY	C.O.A.	DATE
DRAWINGS CORRECTED BY	WILSON CO.	DATE 11/93
RECORDED BY	MICRO-FILM INFORMATION	DATE

NO.	

ENGINEER'S SEAL
12-2-93
JOHN M. STOMBAUGH NEW MEXICO PROFESSIONAL ENGINEER REGISTERED

NO.	DATE	REMARKS / REVISIONS	BY
	NOV. 1993	DESIGN	JMS
	NOV. 1993	DRAWN	PAS
	NOV. 1993	CHECKED	WFZ

DESIGNED BY
DRAWN BY
CHECKED BY

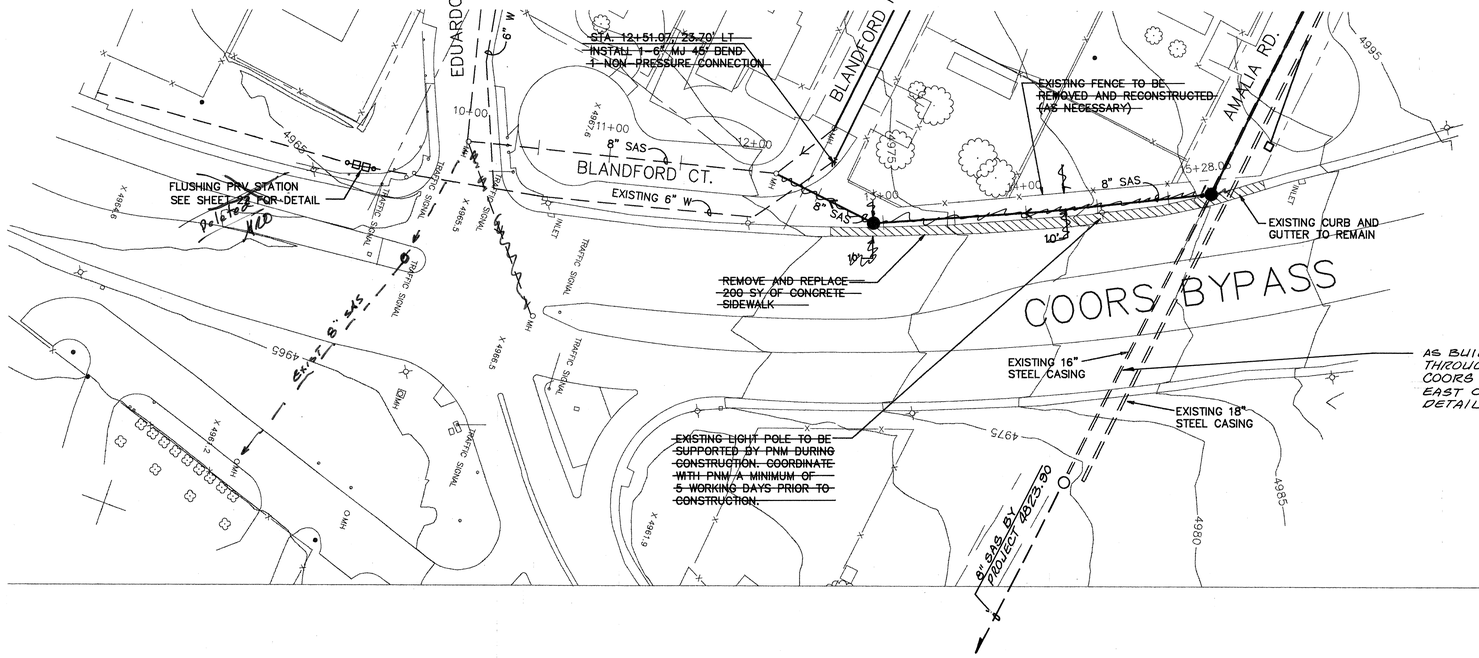
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

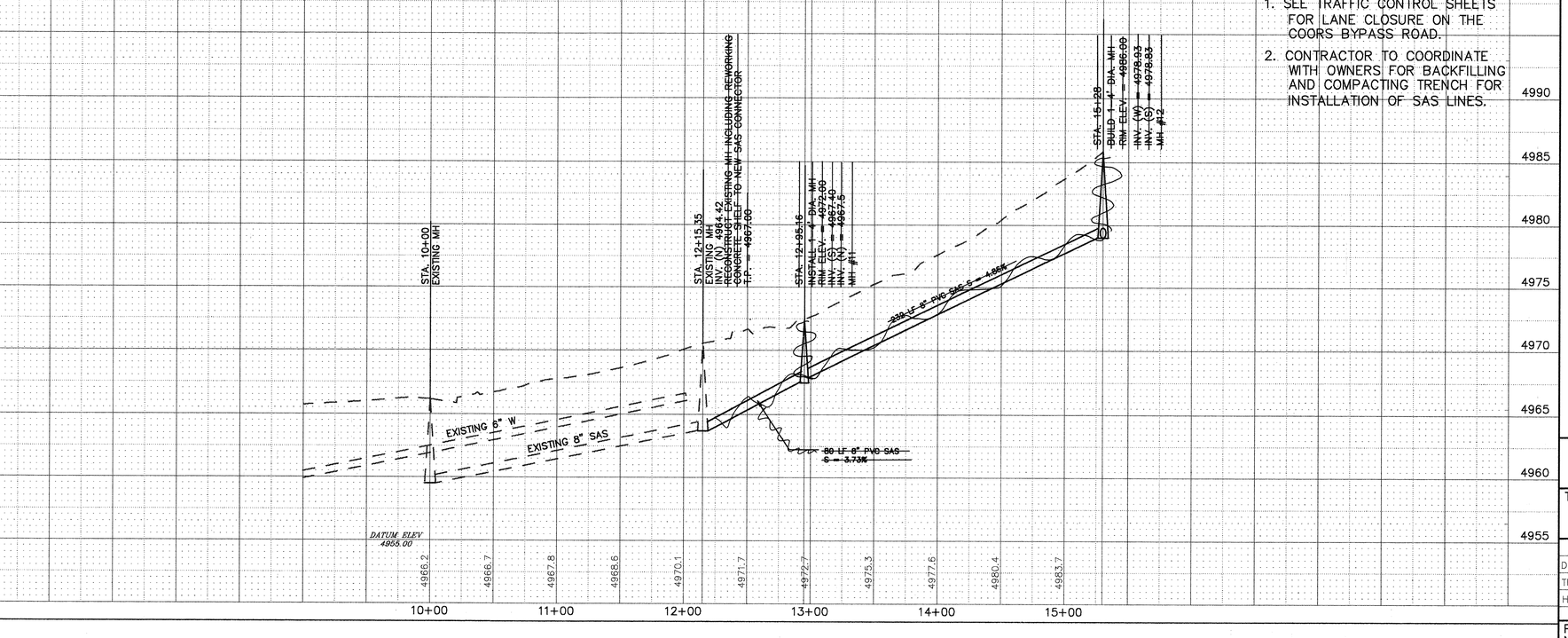
TITLE: AIRPORT ROAD, S.W.
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G. Goodwin	12-12-93	WATER		
TRANSPORTATION	N/A	12-10-93	WASTE WATER	[illegible]	12/9/93
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. K-12 | SHEET 18 OF 26

WILSON & COMPANY
WCEA #93-504





NOTES:
1. SEE TRAFFIC CONTROL SHEETS FOR LANE CLOSURE ON THE COORS BYPASS ROAD.
2. CONTRACTOR TO COORDINATE WITH OWNERS FOR BACKFILLING AND COMPACTING TRENCH FOR INSTALLATION OF SAS LINES.

PLAN
SCALE: 1"=50'
PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.

LEGEND

NEW	EXIST.	
		C & G
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
G	G	GAS LINE
SD	SD	STORM DRAIN
	UT	UNDERGROUND TELEPHONE LINE
	UE	UNDERGROUND ELECTRICAL LINE
	CATV	UNDERGROUND CABLE TV LINE
	TC	TRAFFIC SIGNAL CONDUIT
	TR	TELEPHONE BOX

AS BUILT INFORMATION
CONTRACTOR J.R. HALE DATE 11/94
WORK STAKED BY J.R. HALE DATE
INSPECTOR'S NOTEBOOK BY A. OSTAPACK DATE
FIELD DOCUMENTATION BY C.O.A. DATE
DRAWINGS CORRECTED BY WILSON CO. DATE 11/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

BENCHMARK USED IS A STANDARD ACS BRASS CAP STAMPED "ACS 45-7A, 1978" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD. S.W. ELEV.=4953.487
TBM #1 = PAINT SPOT AT TOP OF CURB @ S. CURB - END OF CURB ON EDUARDO RD., S.W. ELEV.=4989.27
TBM #2 = NE CORNER CONC. FENCE POST @ 3930 EDUARDO RD., S.W. ELEV.=4984.57

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN M. STOMBAUGH NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
12-11-93

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		JMS	DATE NOV. 1993
DRAWN BY		PAS	DATE NOV. 1993
CHECKED BY		WFZ	DATE NOV. 1993

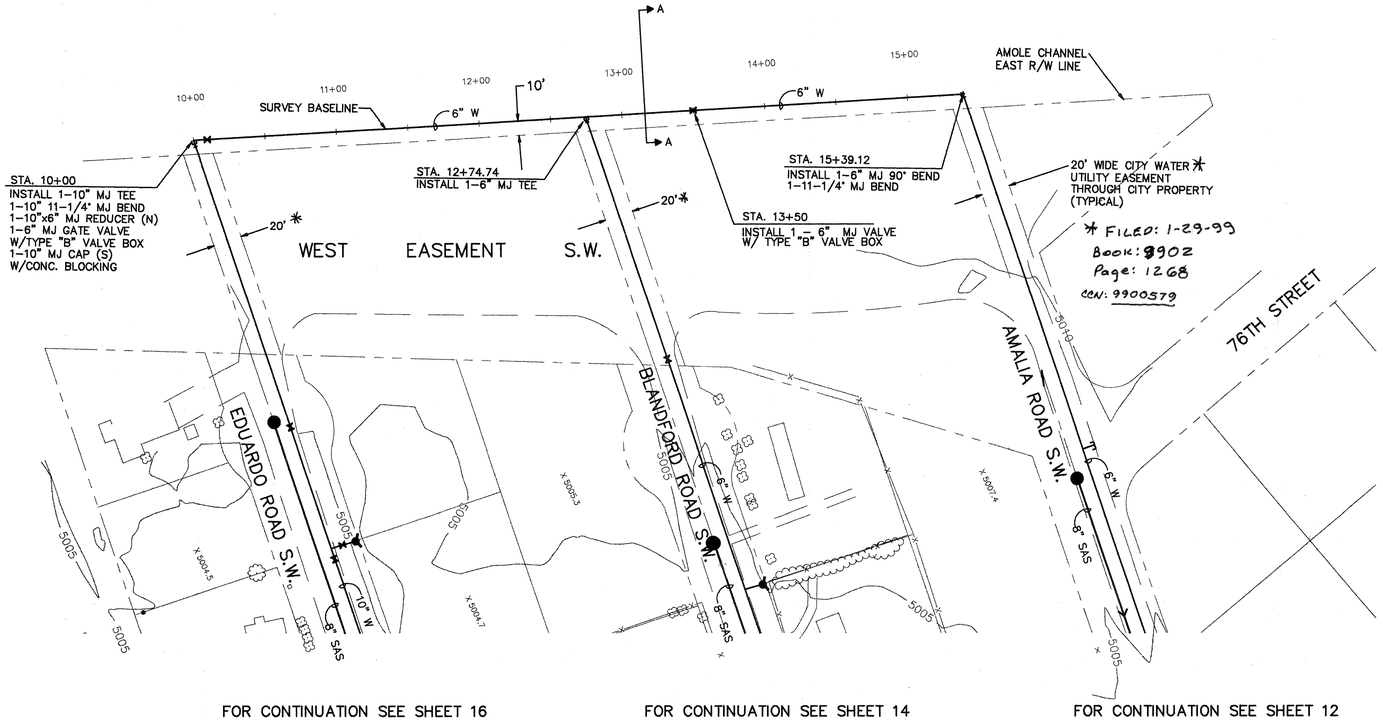
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COORS BYPASS-BLANDFORD COURT
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.J. Adderley	12-15-93	WATER		
TRANSPORTATION	N/A	12-10-93	WASTE WATER		
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10,L-11 | SHEET 19 OF 26

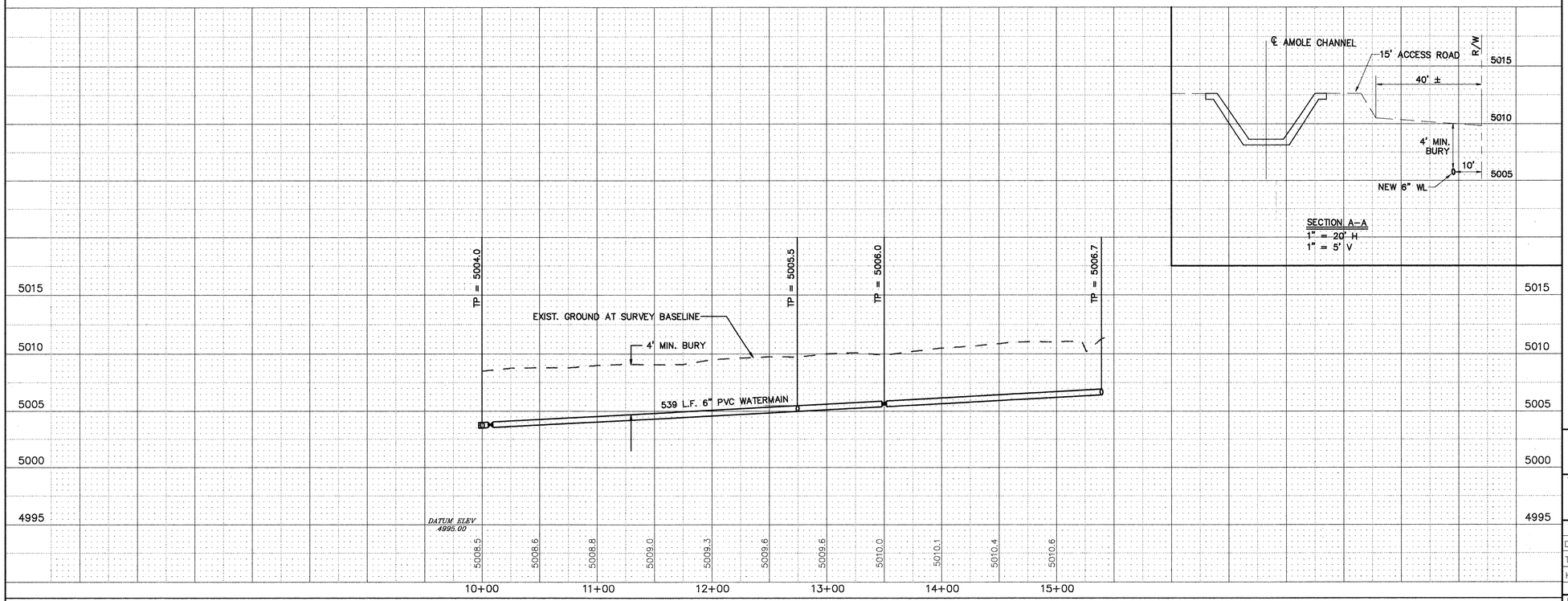
WILSON & COMPANY WCEA #93-504



FOR CONTINUATION SEE SHEET 16

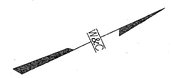
FOR CONTINUATION SEE SHEET 14

FOR CONTINUATION SEE SHEET 12



PLAN
SCALE: 1"=50'

PROFILE
SCALE: 1"=50' HORIZ.
1"=5' VERT.



LEGEND

NEW	EXIST.	
		C & G
SAS	SAS	SANITARY SEWER
W	W	WATER LINE
G	G	GAS LINE
SD	SD	STORM DRAIN
	UT	UNDERGROUND TELEPHONE LINE
	UE	UNDERGROUND ELECTRICAL LINE
	CATV	UNDERGROUND CABLE TV LINE
	TC	TRAFFIC SIGNAL CONDUIT
	TR	TELEPHONE BOX

AS BUILT INFORMATION
CONTRACTOR J.R. HALE DATE 11/94
WORK STAKED BY J.R. HALE DATE
INSPECTOR'S ASSISTANCE BY A. OSTAPACK DATE
FIELD VERIFICATION BY C.O.A. DATE
DRAWINGS CORRECTED BY WILSON CO. DATE 11/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

BENCHMARK USED IS A STANDARD ACS BRASS CAP STAMPED "ACS 45-74, 1976" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV.=4953.487
TBM #1 = PAINT SPOT AT TOP OF CURB @ S. CURB - END OF CURB ON EDUARDO RD., S.W. ELEV.=4969.27
TBM #2 = NE CORNER CONC. FENCE POST @ 3930 EDUARDO RD., S.W. ELEV.=4984.57

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JOHN M. STOMP NEW MEXICO PROFESSIONAL ENGINEER REGISTERED
12-17-93

REMARKS
REVISIONS

NO.	DATE	
		DESIGNED BY
		DRAWN BY
		CHECKED BY

DESIGN	JMS	NOV. 1993
DATE	PAS	NOV. 1993
BY	WFZ	NOV. 1993

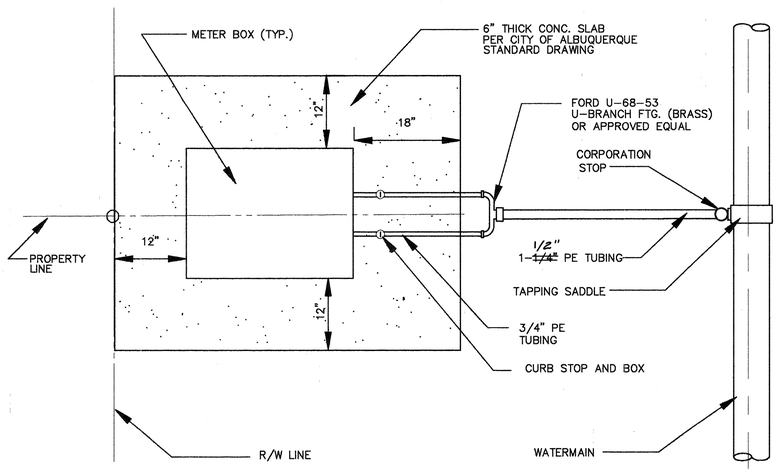
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: WEST EASEMENT S.W.
SOUTH VALLEY WATER AND SEWER
SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.A. Sanchez	12-13-93	WATER	[illegible]	12/16/93
TRANSPORTATION	N/A RHO	12-10-93	WASTE WATER		
HYDROLOGY	N/A GJC	12/10/93			

PROJECT NO. 4515.94
MAP NO. F-11,G-11
SHEET 20 OF 26

WILSON & COMPANY
WCEA #93-504



TYPICAL DOUBLE WATER SERVICE/SINGLE TAP INSTALLATION

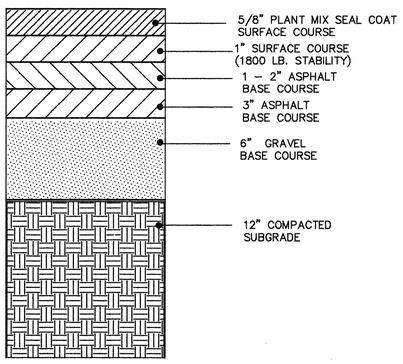
NTS

NOTE: THE PURPOSE OF THIS DETAIL IS TO SHOW HOW TO CONNECT STANDARD DOUBLE WATER SERVICE WITH ONE TAP AND LINE. THE CONTRACTOR IS REQUIRED TO CONSTRUCT THIS IN ACCORDANCE WITH STANDARD CITY OF ALBUQUERQUE AND BERNALILLO COUNTY DRAWINGS.

LENGTH OF RESTRAINED PIPE (feet)

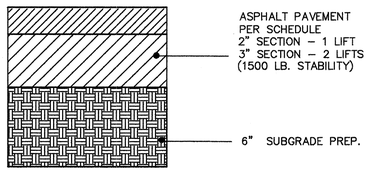
PIPE SIZE	90°	45°	22-1/2°	11 1/4°	TEE *	VALVE
4"	21'	9'	5'	3'	21'	52'
6"	28'	12'	6'	3'	37'	74'
8"	37'	15'	7'	4'	54'	99'
10"	44'	18'	7'	4'	69'	115'
12"	52'	21'	10'	5'	85	136

* Tee branch-each run pipe shall be min. 10' w/o joints



ARTERIAL PAVING SECTION

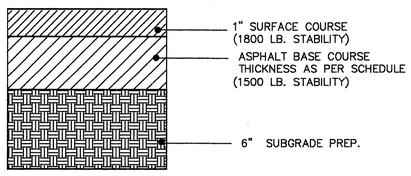
NTS



TEMPORARY PAVEMENT SECTION

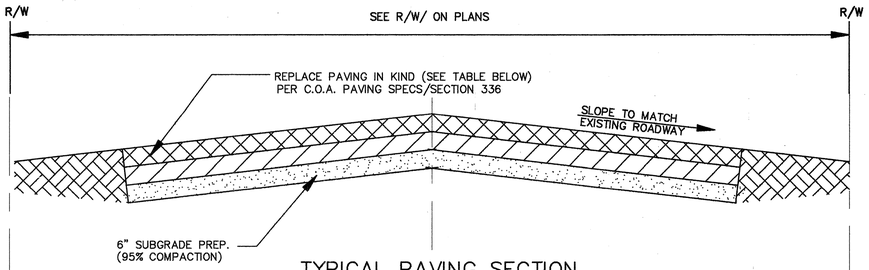
(INCIDENTAL TO TRAFFIC CONTROL)

NTS



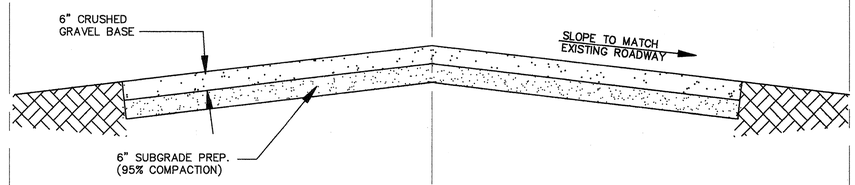
RESIDENTIAL PAVING SECTION

NTS



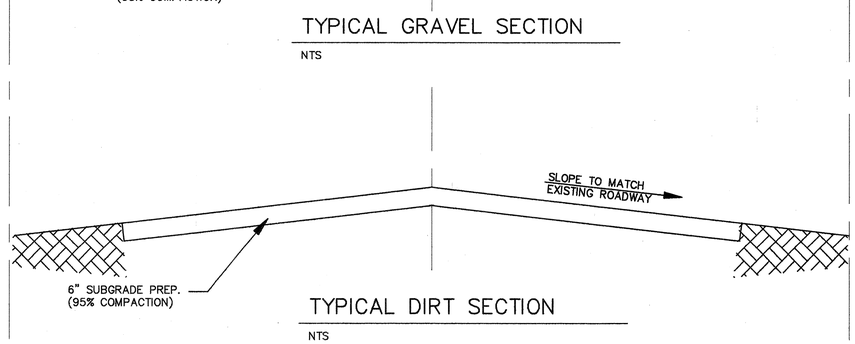
TYPICAL PAVING SECTION

NTS



TYPICAL GRAVEL SECTION

NTS



TYPICAL DIRT SECTION

NTS

TYPICAL ROADWAY SECTIONS

NTS

ROADWAY REPLACEMENT SCHEDULE

STREET NAME	TYPE	EXISTING THICKNESS	WIDTH	FINISH TOTAL THICKNESS
SAGE ROAD	PAVED	3"	24'	3"
COORS BLVD	PAVED	6"	AS NEEDED/APPROVED	6"
75TH STREET	DIRT	2.5"	24'	6"
AMALIA ROAD	GRAVEL	6"	24'	6"
BLANDFORD ROAD	GRAVEL	6"	24'	6"
EDUARDO ROAD	GRAVEL	6"	24'	6"
AIRPORT ROAD	GRAVEL	6"	24'	6"
~~BLANDFORD COURT~~	~~GRAVEL~~	~~6"~~	~~24'~~	~~6"~~
WEST EASEMENT	DIRT	6"	10'	6"

AS-BUILT INFORMATION 11/94
CONSTR/CTOR J.R. HALE
WORK STAKED BY J.R. HALE DATE
INSPECTION ACCEPTANCE BY A.OSTAPACK DATE
FIELD VERIFICATION BY C.O.A. DATE
DRAWINGS CORRECTED BY WILSON CO. DATE 11/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BENCHMARK USED IS A STANDARD ACS BRASS CAP STAMPED "ACS 45-7A, 1976" LOCATED 42.3' WEST OF THE INTERSECTION OF S. COORS RD. & BLAKE RD., S.W. ELEV.=4953.487
TBM #1 = PAINT SPOT AT TOP OF CURB @ S. CURB - END OF CURB ON EDUARDO RD., S.W. ELEV.=4969.27
TBM #2 = NE CORNER CONC. FENCE POST @ 3930 EDUARDO RD., S.W. ELEV.=4984.57

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JOHN M. STOMP NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
12-17-93

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY JMS DATE NOV. 1993
DRAWN BY PAS DATE NOV. 1993
CHECKED BY WFZ DATE NOV. 1993

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MISCELLANEOUS DETAILS
SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.J. Goodaby	12-13-93	WATER		
TRANSPORTATION	N/A CHD	12-10-93	WASTE WATER		12/7/93
HYDROLOGY	N/A	12/10/93			

JOB NO. 4515.94 | MAP NO. L-10,L-11 | SHEET 21 OF 26

WILSON & COMPANY WCEA #93-504

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 LANE 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, LANE 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 GA-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 GA-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 LETTERING ON BLUE REFLECTORIZED BACKGROUND WITH A 5/8" WHITE BORDER INSET 3/8". 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 AN 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 GA-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

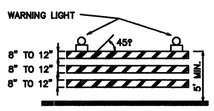
20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED 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 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

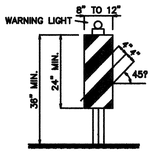
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

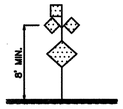


TYPE III BARRICADE

CONES



VERTICAL PANEL

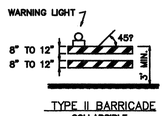


HIGH LEVEL WARNING DEVICE

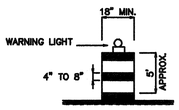
LEGEND

- WORK AREA
- BARRICADE – TYPE I, TYPE II, OR BARREL
- BARRICADE – TYPE III
- X VERTICAL PANEL
- WARNING SIGN
- D DISTANCE BETWEEN SIGNS – A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- S SPACING BETWEEN BARRICADES– A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- L TAPER LENGTH – SEE CHART BELOW

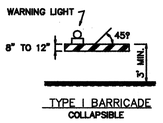
THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.



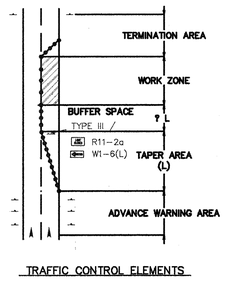
TYPE II BARRICADE COLLAPSIBLE



BARREL



TYPE I BARRICADE COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (FEET) 10' LANE	11' LANE	12' LANE	MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	50
25	105	115	125	6	25	60
30	150	165	180	7	30	70
35	205	225	245	8	35	80
40	270	295	320	9	40	90
45	450	495	540	13	45	100
50	500	550	600	13	50	100
55	550	605	660	13	55	40

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0–20	200	200
25–30	300	250
30–35	300	300
40–45	500	400
50–60	500–1600	500–1000

TAPER CRITERIA

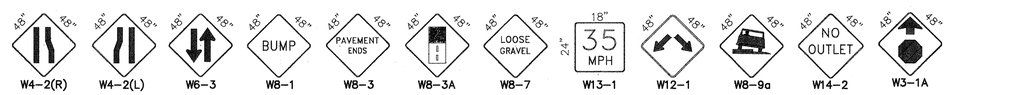
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	? L MINIMUM
SHOULDER TAPER	? L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

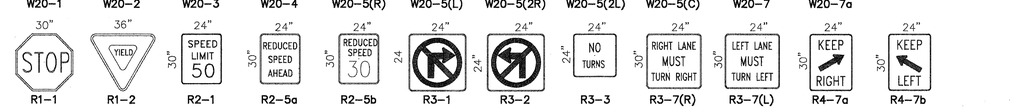
TAPER LENGTH COMPUTATION

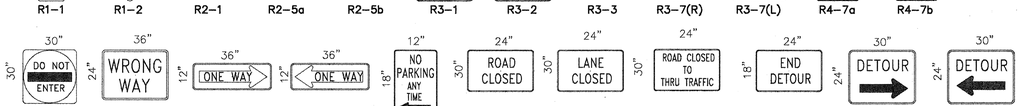
SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	L = W x S

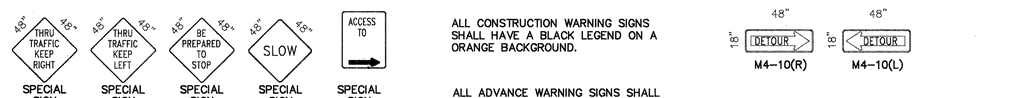
L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

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.

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES BY — DATE
NO.

ENGINEER'S SEAL
JOHN M. STOMP III — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER
12-11-21

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY RICARDO ROYBAL P.E. DATE NOV. 1991
DRAWN BY CADD,- A.F.V. DATE NOV. 1991
CHECKED BY DATE

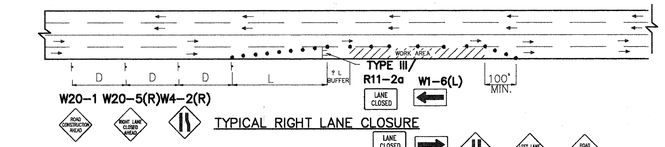
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

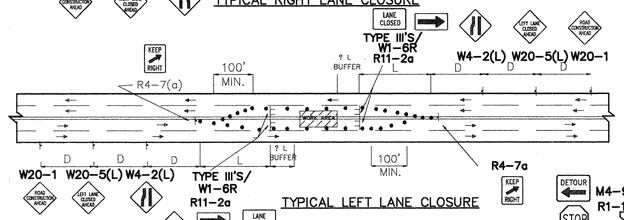
TITLE: SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

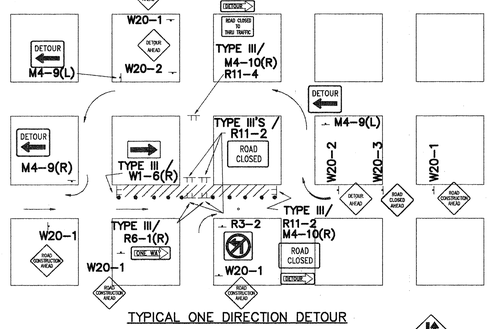
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G. Arnholdy	12-13-93	WATER		
TRANSPORTATION	N/A	12-10-93	WASTE WATER		
HYDROLOGY	N/A	12/10/93			

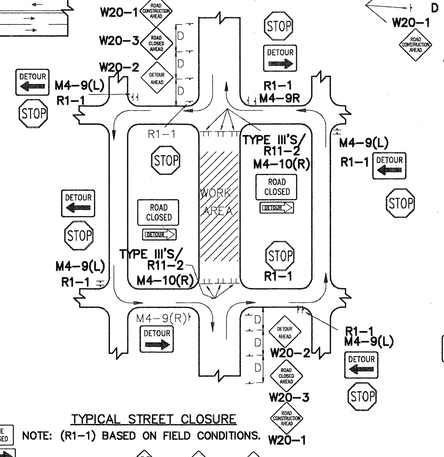
PROJECT NO. 4515.94
MAP NO. L-10, L-11 M-10, M-11
SHEET 23 OF 26

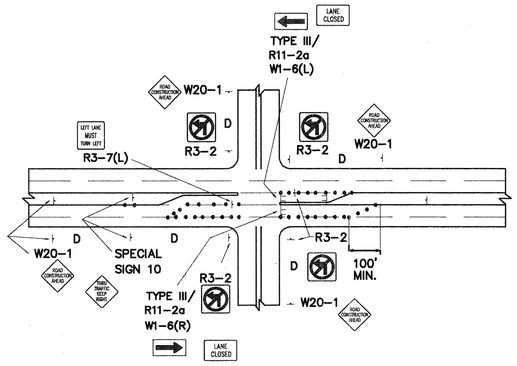
10-4-93
TRAFT.DWG (1=1')

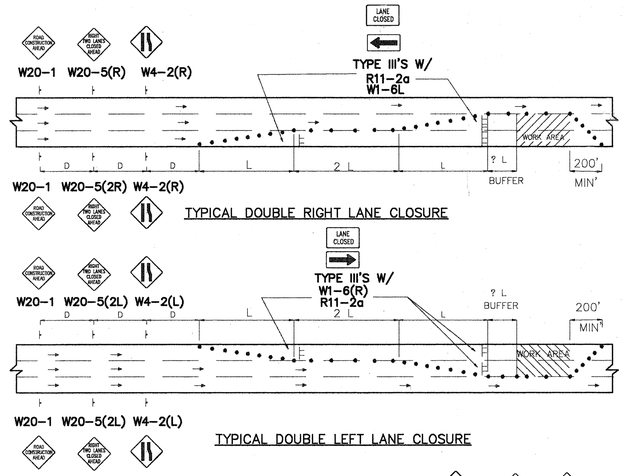


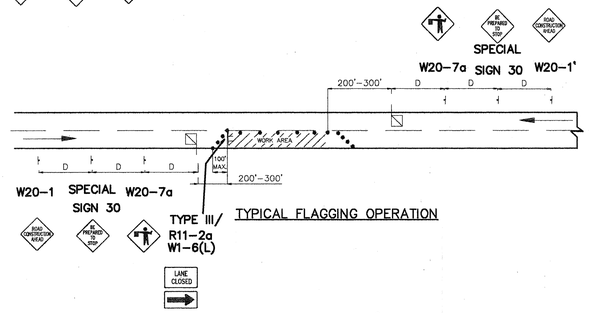


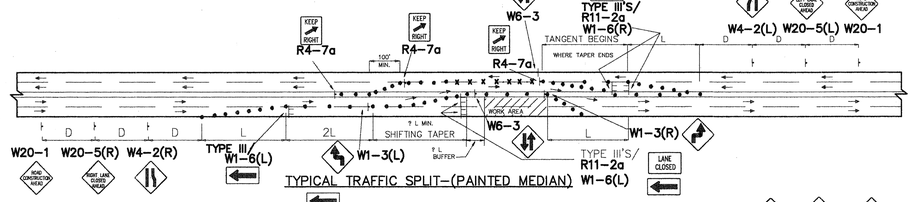


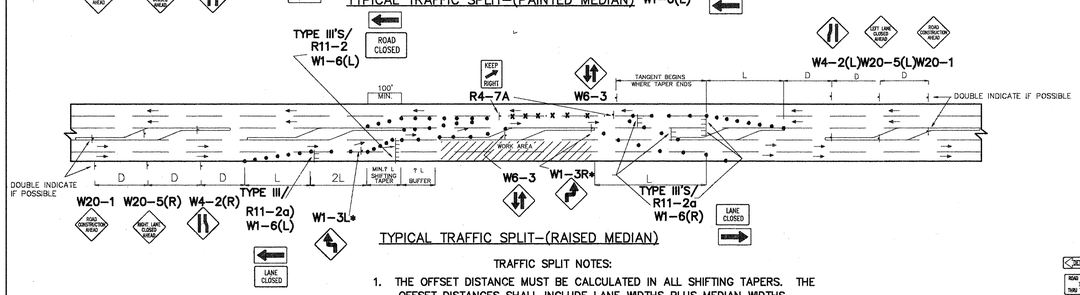






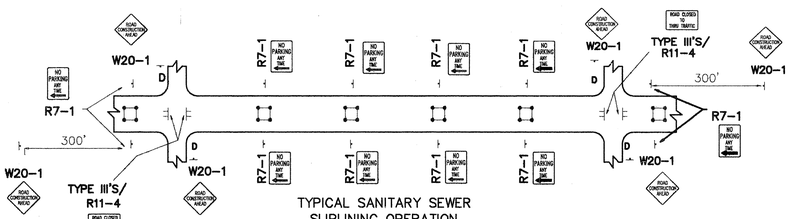


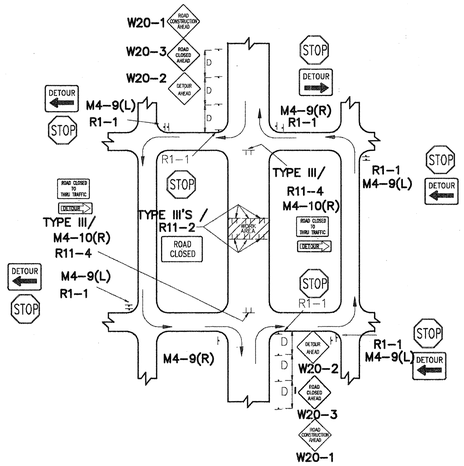


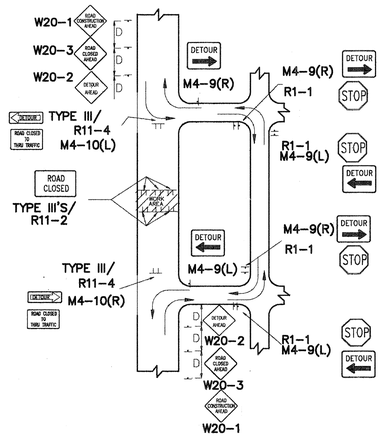


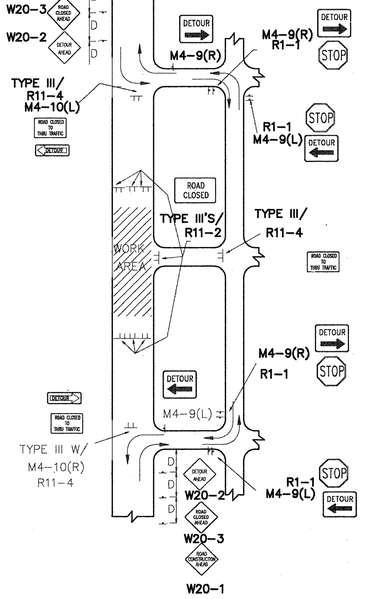
TRAFFIC SPLIT NOTES:

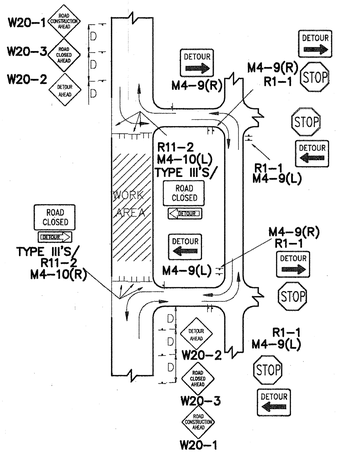
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. ? L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF ? L OR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











NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	RICARDO ROYBAL, P.E.	DATE	NOV. 1991
DRAWN BY	C.A.D.D./W.L.B./A.F.V.	DATE	NOV. 1991
CHECKED BY		DATE	

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STARTED BY — DATE
INSPECTOR'S FIELD ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
JOHN M. STOMP — NEW MEXICO — PROFESSIONAL ENGINEER — REGISTERED
CL-01-21

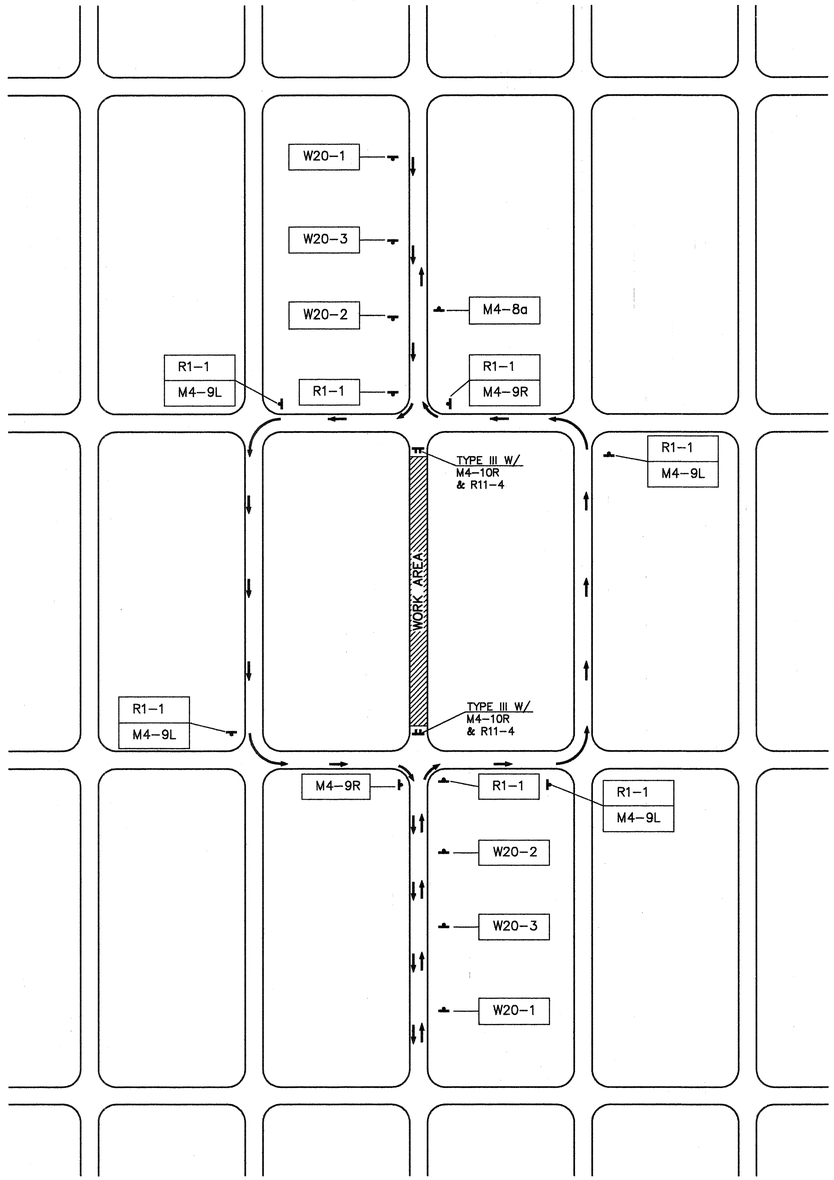
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT
TRAFFIC CONTROL SIGNING EXAMPLES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		12-13-93	WATER		
TRANSPORTATION	N/A	12-10-93	WASTE WATER		
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10, L-11 M-10, M-11 | SHEET OF 24 26

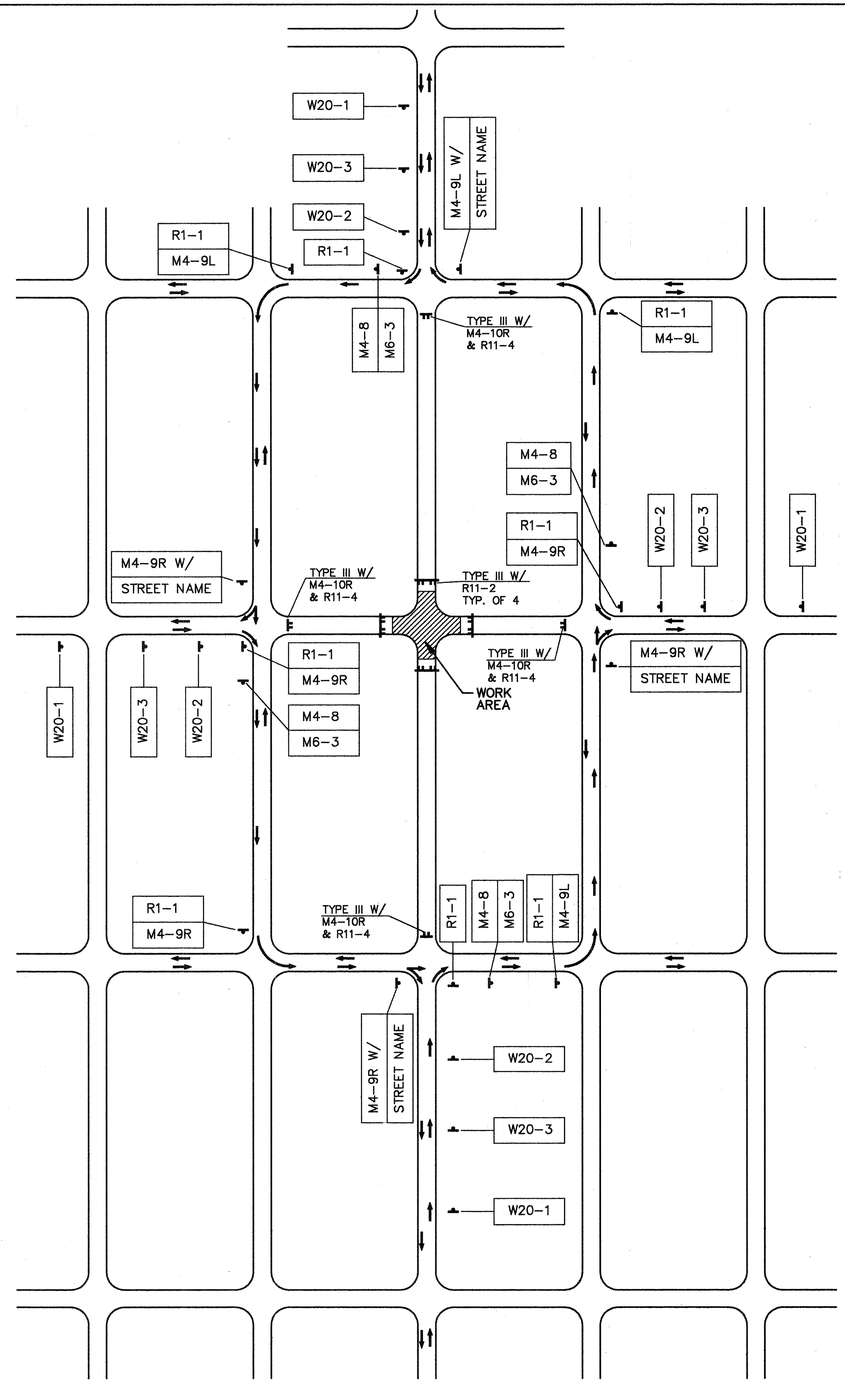
10-5-93
TRAFF2.DWG(1"=1')



TYPICAL RESIDENTIAL STREET CLOSURES
R1–1 BASED ON FIELD CONDITIONS

W&C

SCALE: 1" = 50'



TYPICAL RESIDENTIAL STREET CLOSURES
FOR CONSTRUCTION AT INTERSECTIONS
R1–1 BASED ON FIELD CONDITIONS

NOTES:

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
MATERIALS ACCEPTANCE BY — DATE
FIELD INSPECTION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JOHN M. STOMP III
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
12-10-93

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY — DATE
DRAWN BY — DATE
CHECKED BY — DATE

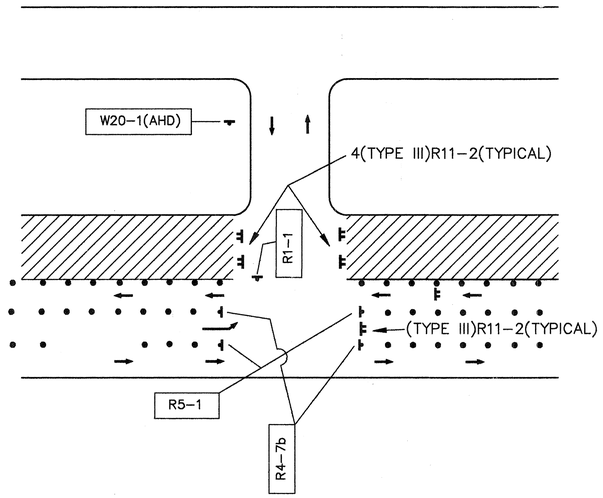
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT
TRAFFIC CONTROL
TYPICAL RESIDENTIAL STREET CLOSURES

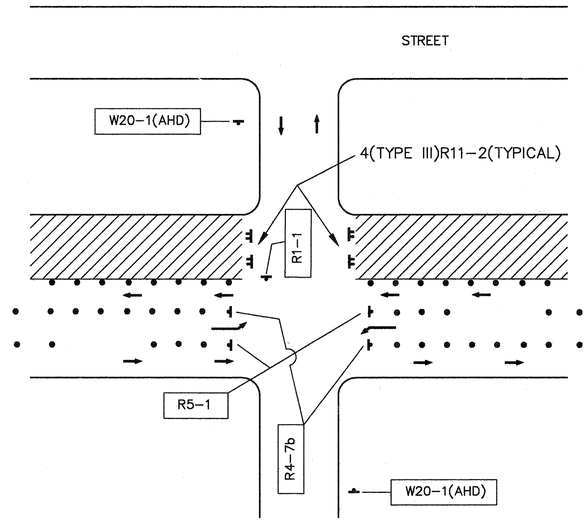
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.J. Beckley	12-13-93	WATER	[illegible]	12/10/93
TRANSPORTATION	N/A	12-10-93	WASTE WATER		
HYDROLOGY	N/A	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10, L-11 M-10, M-11 | SHEET 25 OF 26

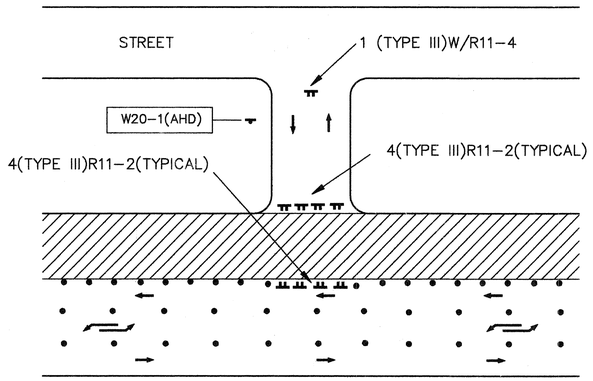
TC-19/COORS10/7/93.CO



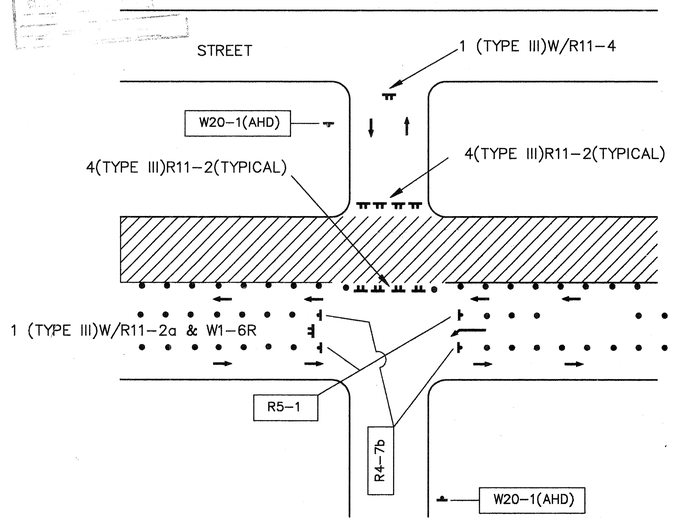
TYPICAL SIDE STREET INTERSECTION SIGNING
WHEN OPEN TO TRAFFIC



TYPICAL SIDE STREET INTERSECTION SIGNING
WHEN OPEN TO TRAFFIC



TYPICAL SIDE STREET INTERSECTION SIGNING
WHEN CLOSED TO TRAFFIC



TYPICAL SIDE STREET INTERSECTION SIGNING
WHEN CLOSED TO TRAFFIC

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
FINAL INSPECTION & ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JOHN M. STOMP — NEW MEXICO PROFESSIONAL ENGINEER — REGISTERED
12-10-93

REMARKS
REVISIONS
NO. | DATE | BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY — DATE
DRAWN BY — DATE
CHECKED BY — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE SOUTH VALLEY WATER AND SEWER SYSTEM IMPROVEMENT PROJECT
TRAFFIC CONTROL
TYPICAL SIDE STREET INTERSECTION SIGNING

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.A. Bartlett	12-13-93	WATER	H.H. Olson	12/10/93
TRANSPORTATION	N/A KHO	12-10-93	WASTE WATER		
HYDROLOGY	N/A JMC	12/10/93			

PROJECT NO. 4515.94 | MAP NO. L-10, L-11 M-10, M-11 | SHEET 26 OF 26

COORS/TC-8-10/7/93 GO