GENERAL NOTES

1. All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with the City of Albuquerque Standard Specifications for Public Works Construction 1986.
2. Prior to construction, the Contractor shall excavate & verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the Contractor shall notify the Engineer so that the conflict can be resolved with minimum delay.
3. Two (2) working days prior to any excavation, Contractor must contact Line Locating Service @ 765-1234 for location of existing utilities.
4. Contractor shall provide continuous water service to affected residences & businesses during construction period by installing a surface "shoe-fly" line or some other appropriate means to minimize service disruption.
5. Water Systems shall be contacted @ 823-4200, 3 working days prior to any shut-offs. All system shut-offs shall be as per Section 18.3 of the General Conditions.
6. All utilities and utility service lines shall be installed prior to paving. The surface course shall be installed after full approval and acceptance of the utility lines.
7. Pavement replacement and backfill shall be per City of Albuquerque standard drawing 2465. Curb and gutter, sidewalks, drivepads and curb returns damaged by the Contractor shall be replaced per City Standard Drawings 2415, 2430, 2425 and 2440.
8. The Contractor shall provide four project construction signs which are to be moved during the project at the direction of the Engineer.
9. Existing water lines to be replaced shall be removed & disposed of except where otherwise noted on the plans. The ends of abandoned lines shall be plugged, valves shall have the operating nut & valve can removed.
10. All water line replacement connections shall be per City of Albuquerque Standard Drawing No. 2301.
11. Water service lines, meters, & boxes shall be replaced, transferred, relocated & rehabilitated as per Section 802 of the technical specifications and the plans. Meter box relocations shall be as noted on the plans as per Standard Drawings 2360 and 2363.
12. Water service lines shall be replaced when the existing service line is either galvanized or lead, or when the service line must be lengthened to connect to the new water main per Section 802.4.2 of the specifications.
13. Tack coat requirements shall be determined by the City Engineer.
14. It is the Contractor's responsibility to locate and reconnect all existing sewer service connections per Section 905.6. Reconnections and transfers shall be paid for in accordance with the unit price listed on the bid proposal. However, those connections damaged while performing the work under this project shall be replaced at no additional cost to the City.
15. All sanitary sewer manholes shall be built in accordance with the City of Albuquerque Standard Drawing 2102. All sanitary sewer manholes shall be 4 feet in diameter unless otherwise noted.
16. On existing sewer manholes that are to be abandoned in place, remove and return the existing ring and cover and abandon the manhole as per Section 920.6.
17. Contractor shall support all existing, underground utility lines which become exposed during construction. Payment for supporting work shall be incidental to waterline and/or sewerline costs.
18. All existing sanitary sewer lines are concrete pipe except where noted otherwise on the plans.
19. The Contractor is hereby notified of the possibility of electrical shock when working near existing steel lines. Precautions shall be taken to ground any stray currents before separating steel pipes.
20. No separate payment will be made for expansion joint material noted on the plans. This will be considered incidental to waterline construction.

FY 1988-1989

WATER & SEWER LINE

RENEWAL PROGRAM

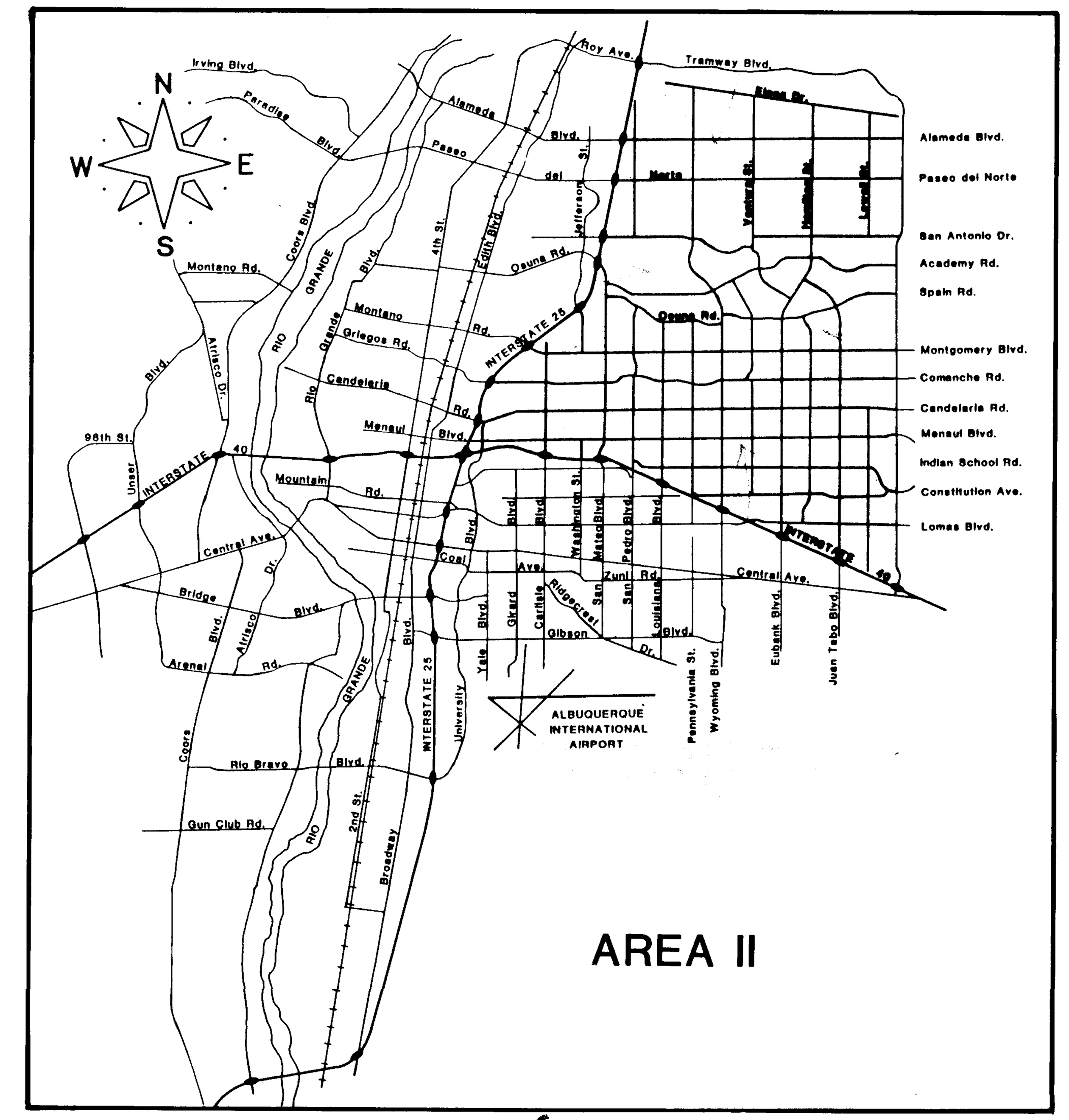
AREA II

CONSTRUCTION PLANS

FOR

PUBLIC WORKS DEPARTMENT

CITY OF ALBUQUERQUE



WARNING - EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

The Engineer has undertaken no field verification of the location, depth, size, or type of existing underground utility lines, makes no representation pertaining thereto, and assumes no responsibility or liability therefor. The Contractor shall inform itself of the location of any utility line in or near the area of the work in advance of and during excavation work. The Contractor is fully responsible for any and all damage caused by its failure to locate, identify, and preserve any and all existing utilities. The Contractor shall comply with State statutes, municipal and local ordinances, rules and regulations pertaining to the location of these lines and facilities, in planning and conducting excavation, whether by calling or notifying the utilities, complying with "Blue Stakes" procedures, or otherwise.

TABLE OF CONTENTS

DESCRIPTION	SHEET NO.
Title Sheet & Vicinity Map	1
Location Map	2
Water & Sewer Plan and Profile Sheets	3 - 21
Water Valve Shut-off Plans	22
Detail Sheet	23
Traffic Control	24

LEGEND

CI	Cast iron
S,ST	Steel
PVC	Polyvinyl chloride
SAS	Sanitary sewer
SD	Storm drain
○ PP	Power pole
OHE	Overhead electric
HPG	High pressure gas
Ext	Existing
2513	Street address
R&D	Remove & dispose
R&R	Remove & replace
FL EL	Flange elevation
□	Water meter box
→	Indicates valve to be closed

C of A PWD Maps & Records
26 35030193

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Russell B. Gale
DATE 7-15-93

RECORD DRAWING

WARNING

This is part of a record document. Record documents are based on reports ... assume any res... Users of rec... and advised to obtain independent verification of actual conditions.

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

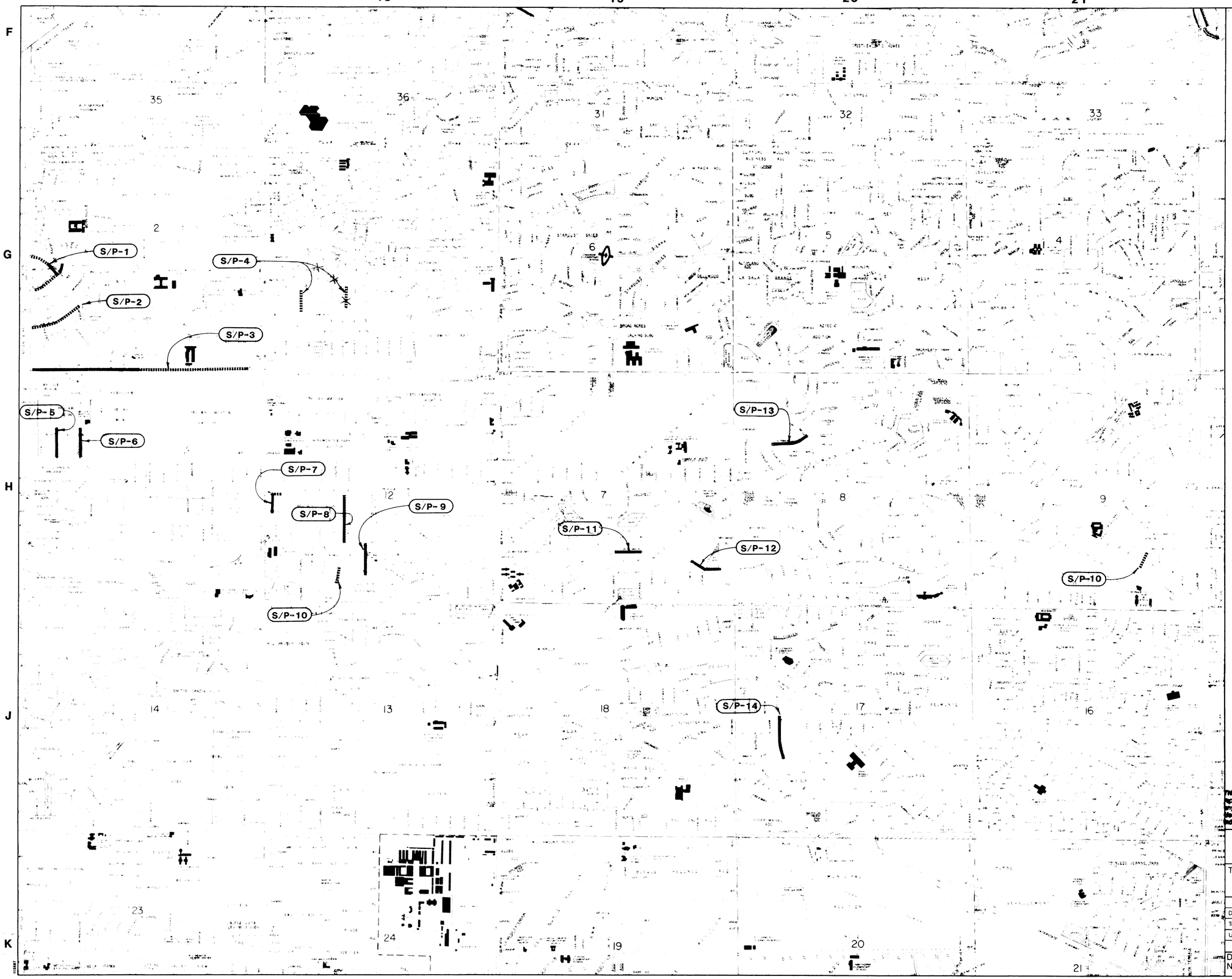
Thomas O. Isaacson
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR No.3895 NEW MEXICO THOMAS O. ISAACSON
5·5·89

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

APPROVED FOR CONSTRUCTION
David K. Broome
DATE: 12/12/89

DRAWING NO. 3503

SHEET 1 OF 24



SHEET INDEX

S/P No.	SHEET No(s).	STREET NAME
1	3	SHEPARD
1	4	CHEROKEE
2	5&6	ALTA MONTE
3	7-10	CANDELARIA
4	11	LA VETA ~~& VALENCIA~~ DELETED
5	12	SOLANO
6	13	BEL AIR
7	14	SAN MATEO E. ALLEY
8	15	VALENCIA E. ALLEY
9	16	CAGUA
10	17	VALENCIA & MARTHA
11	18	PENNSYLVANIA PL.
12	19	CUTLER
13	20	FAIRBANKS
14	21	LUTHY

N

SCALE:
1"=1000'

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
2 4 3 5 0 3 0 2 9 3

LEGEND

- WATERLINE REPLACEMENT
- SEWERLINE REHABILITATION
- WATERLINE & SEWERLINE REPLACEMENT/REHAB.
- S/P-12 SUBPROJECT WITH NUMBER
- G 17 ZONE ATLAS INDEXES

RECORD DRAWING

WARNING
This is part of a record document. Record documents are based on reports submitted by others. Engineers cannot assure nor assume any responsibility or liability for the accuracy of record documents. Users of record documents are cautioned and advised to obtain independent verification of actual conditions.

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTOR'S ACCEPTANCE BY A. OSTAPACK DATE 90-91
FIELD VERIFICATION BY ALAN O. DATE 90-91
DRAWINGS CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR NEW MEXICO No. 3895 THOMAS O. INFANTE
5-5-89

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

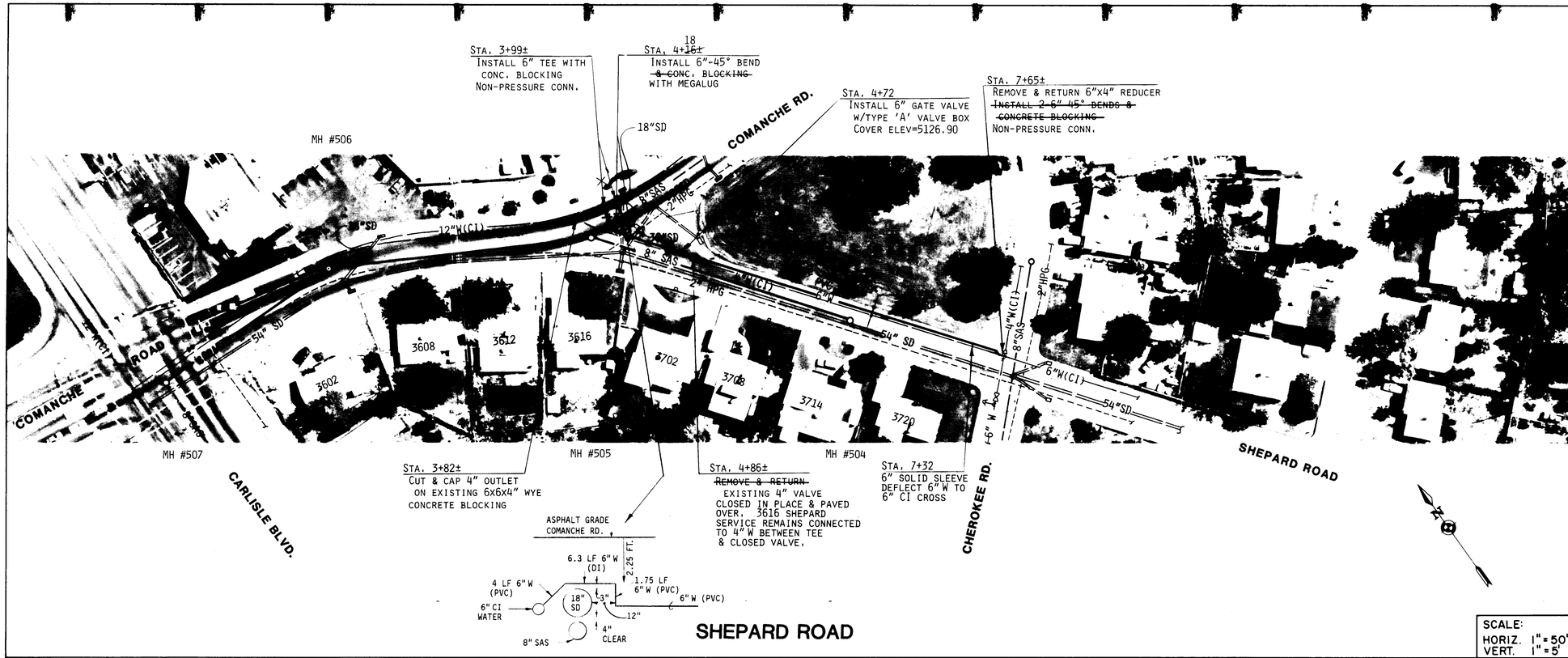
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY 88/89 Waterline & Sewerline Renewal Program, Area II

LOCATION MAP

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roy A. Rhea	5/24/89			
Trans. Dev	" "	"			
Utility Dev	[illegible]	5/24/89			

DRAWING NO. 3503 | MAP NO. | SHEET 2 OF 24



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

NOTES

1. SEE SHEET 4 FOR CONTINUATION OF REHABILITATION WORK ON CHEROKEE RD.
2. SUPPORT EXISTING GAS LINES IN THE VICINITY OF STATION 0+50 AND 2+75 AS REQUIRED FOR CONSTRUCTION.
3. THE EXISTING 4" WATERLINE SHALL BE REMOVED AND DISPOSED OF FROM APPROXIMATELY STA. 4+15 TO STA. 7+65.
4. ANY PARK FACILITIES DAMAGED BY THE CONTRACTOR SHALL BE RESTORED AT NO EXPENSE TO THE CITY.

RECORD DRAWING

WARNING
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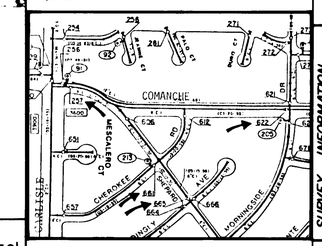
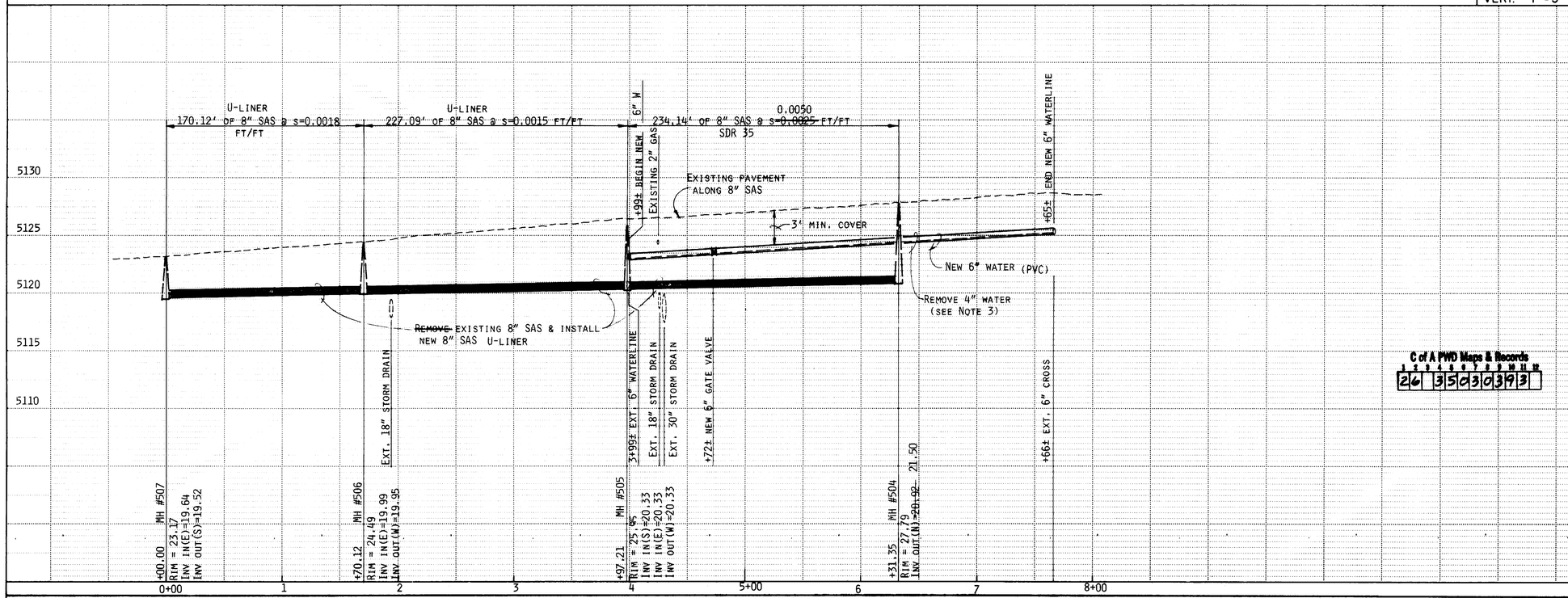




C of A PWD Maps & Records
26 3503030393

WATER VALVE
SHUT-OFF PLAN

WATER SERVICE REHABILITATION

SHEPARD ADDRESS	METER SIZE	(1)	(2)	(3)
3616	3/4"			X
3702	"			X
3708	"			X
3714	"			X
3720	"			X

KEY: (1) SERVICE LINE TRANSFER
(2) METER BOX RELOCATION & REPLACEMENT
(3) SERVICE LINE REPLACEMENT

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR No. 3895 NEW MEXICO THOMAS C. ISAACSON
5-5-89

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN
DESIGNED BY SMM DATE 10/88
DRAWN BY NA DATE 1/89
CHECKED BY DATE

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTOR A. OSTAPACK DATE 7/90
ACCEPTANCE BY ALAN O. DATE 7/90
FIELD DRAWINGS CORRECTED BY I & A DATE 8/90
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BRASS CAP "6-G17" SET IN THE FRONTAGE ROAD MEDIAN CURB ON CARLISLE BLVD. OPPOSITE AZTEC ROAD TO THE WEST.
ELEVATION: 5136.46

SURVEY INFORMATION
FIELD NOTES

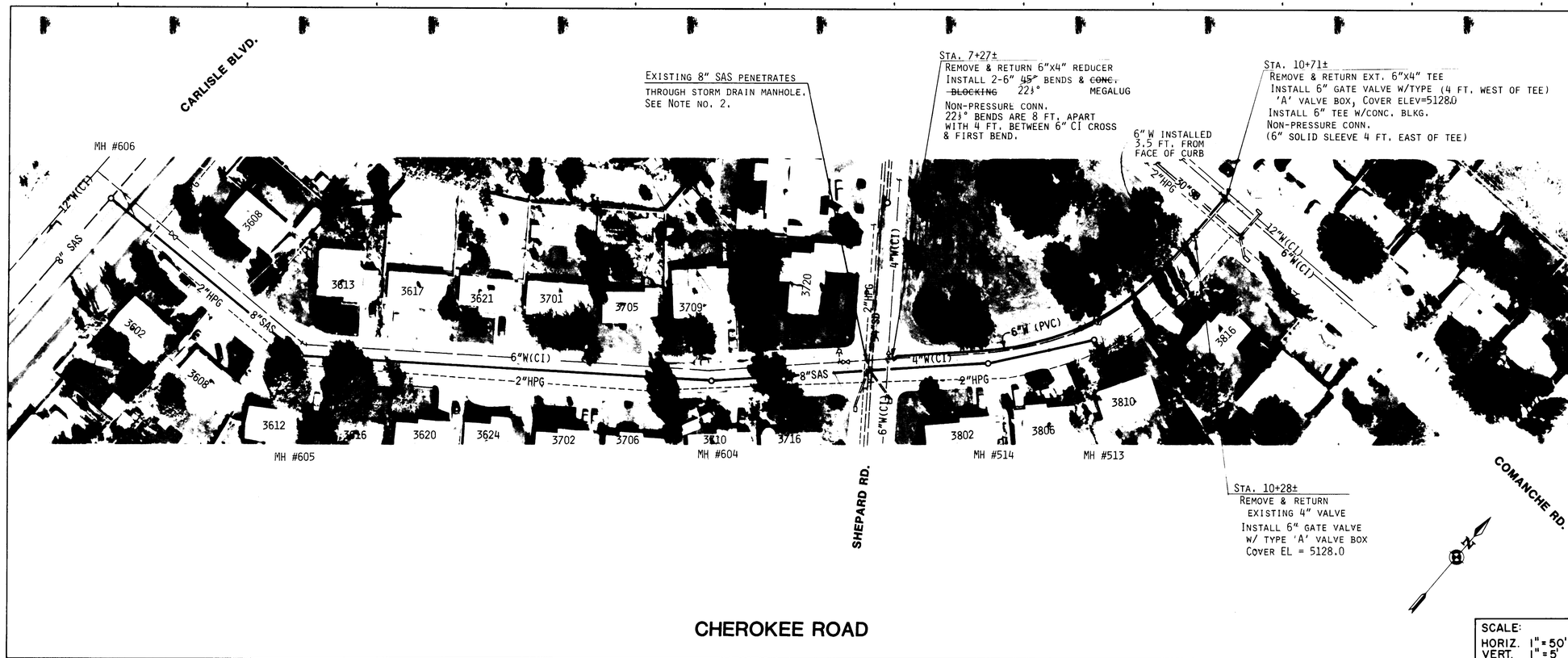
NO.	BY	DATE
	S.D.G.	7/88

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
SHEPARD ROAD

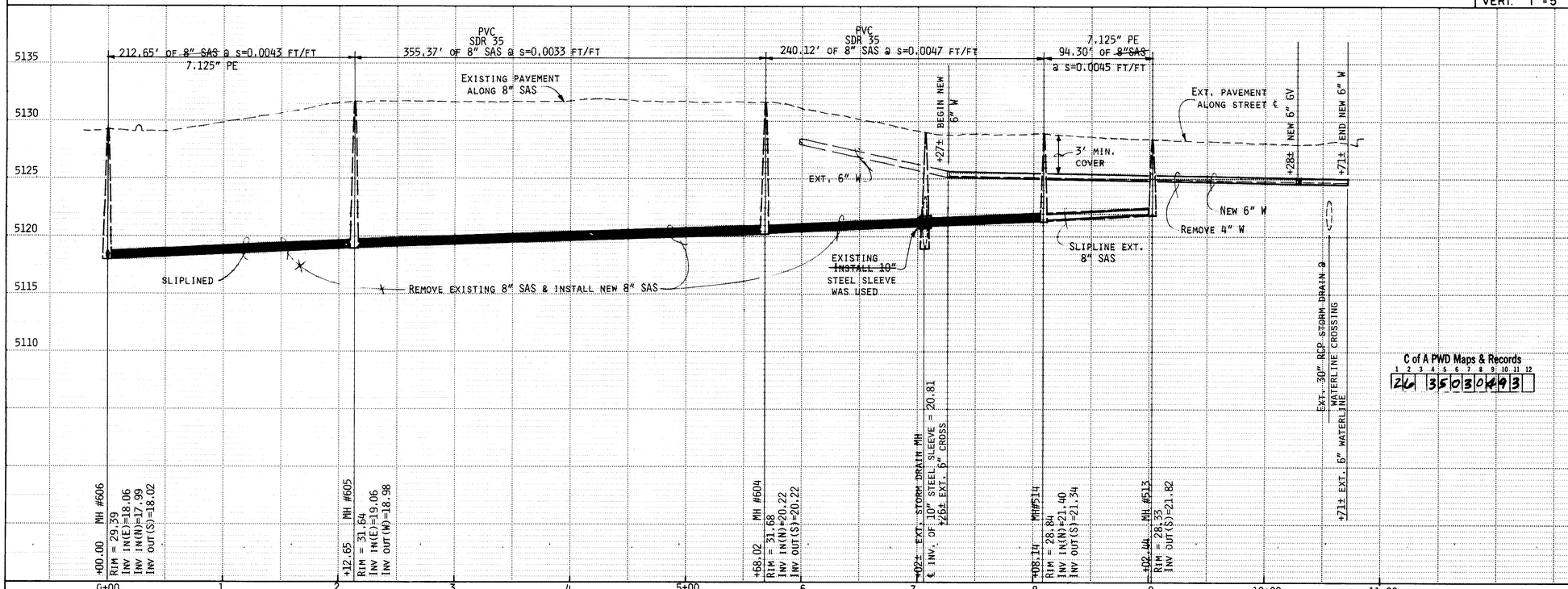
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			~~Liquid Waste~~		
Trans. Dev.		"	~~Traffic~~		
Utility Dev.			~~Water~~		

DRAWING NO. 3503 | MAP NO. G-17 | SHEET 3 OF 24



CHEROKEE ROAD

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



C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3503049 3

NOTES

1. SEE SHEET 3 FOR CONTINUATION OF REHABILITATION WORK ON SHEPARD RD. & WATER VALVE SHUT-OFF PLAN FOR THIS WORK.
   EXISTING SLEEVE USED
2. THE CONTRACTOR SHALL REMOVE & DISPOSE OF THE DI SANITARY SEWER LINE RUNNING THROUGH THE MANHOLE & REPLACE IT WITH A 10 INCH DIAMETER STEEL CASING. MANHOLE WALLS SHALL BE REPAIRED WITH GROUT. THE BELL END OF THE ADJACENT DOWNGRADE SECTION OF NEW 8" SAS SHALL BE LOCATED WITHIN 5' OF THE STEEL CASING. THE NEXT LENGTH OF 8" SAS SHALL BE INSERTED THROUGH THE CASING, WITH INSTALLATION THEN PROCEEDING NORMALLY UPGRADE.
3. THE EXISTING 4" WATER SHALL BE REMOVED & DISPOSED OF FROM STA. 7+27± TO STA. 10+71±.

WATER SERVICE REHABILITATION

CHEROKEE ADDRESS	METER SIZE	(1)	(2)	(3)
3802	3/4"			X
3806	"			X
3810	"			X

KEY: (1) SERVICE LINE TRANSFER
(2) METER BOX RELOCATION & REPLACEMENT
(3) SERVICE LINE REPLACEMENT

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTORS ACCEPTANCE BY A. OSTAPACK DATE 4/90
VERIFICATION BY ALAN O. DATE 1/91
CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BRASS CAP "6-G17" SET IN THE FRONTAGE ROAD MEDIAN CURB ON CARLISLE BLVD OPPOSITE AZTEC ROAD TO THE WEST.
ELEVATION: 5136.46

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	S.D.G.	7/88

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR THOMAS O. MOSER N.M. No. 3985
5-5-89

RECORD DRAWING

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Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

NO.	DATE	REMARKS	BY
		REVISIONS	

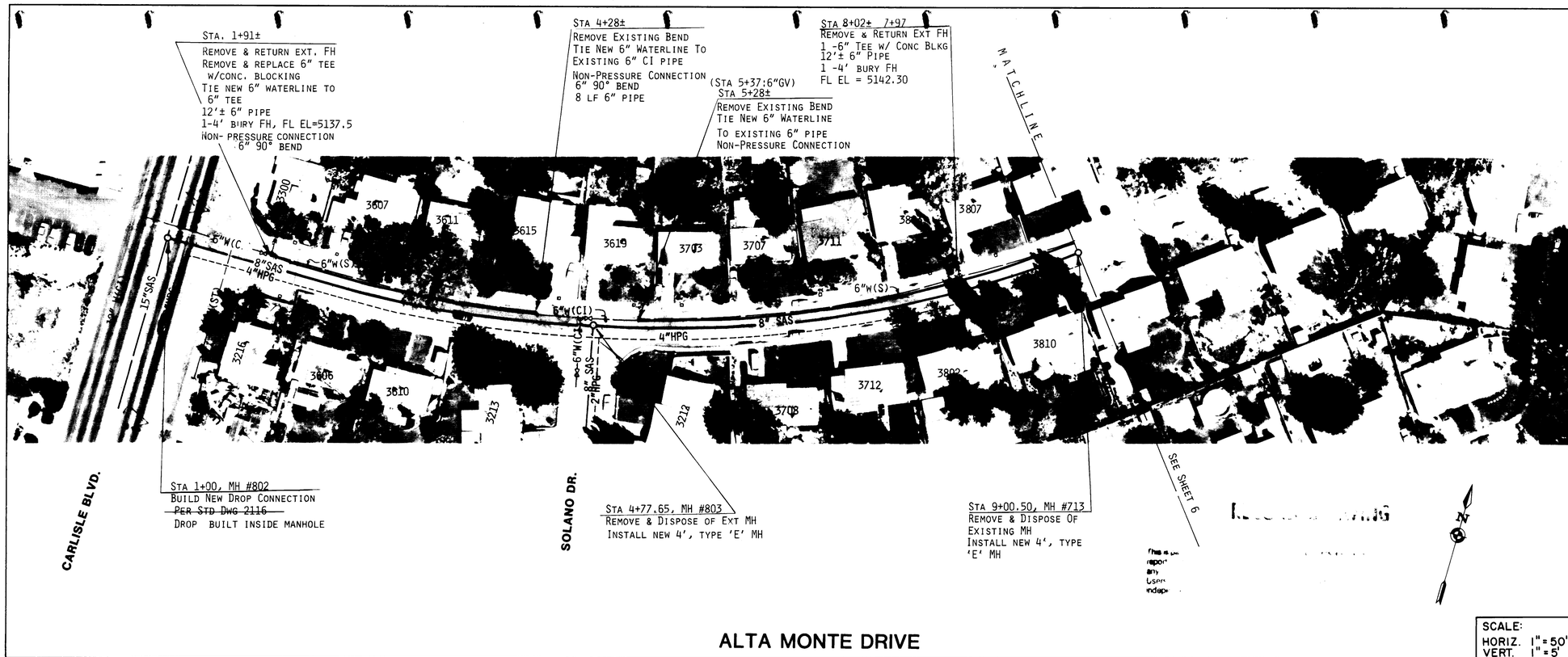
DESIGN		DATE
DESIGNED BY	SMM	10/88
DRAWN BY	NA	1/89
CHECKED BY		DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
CHEROKEE ROAD

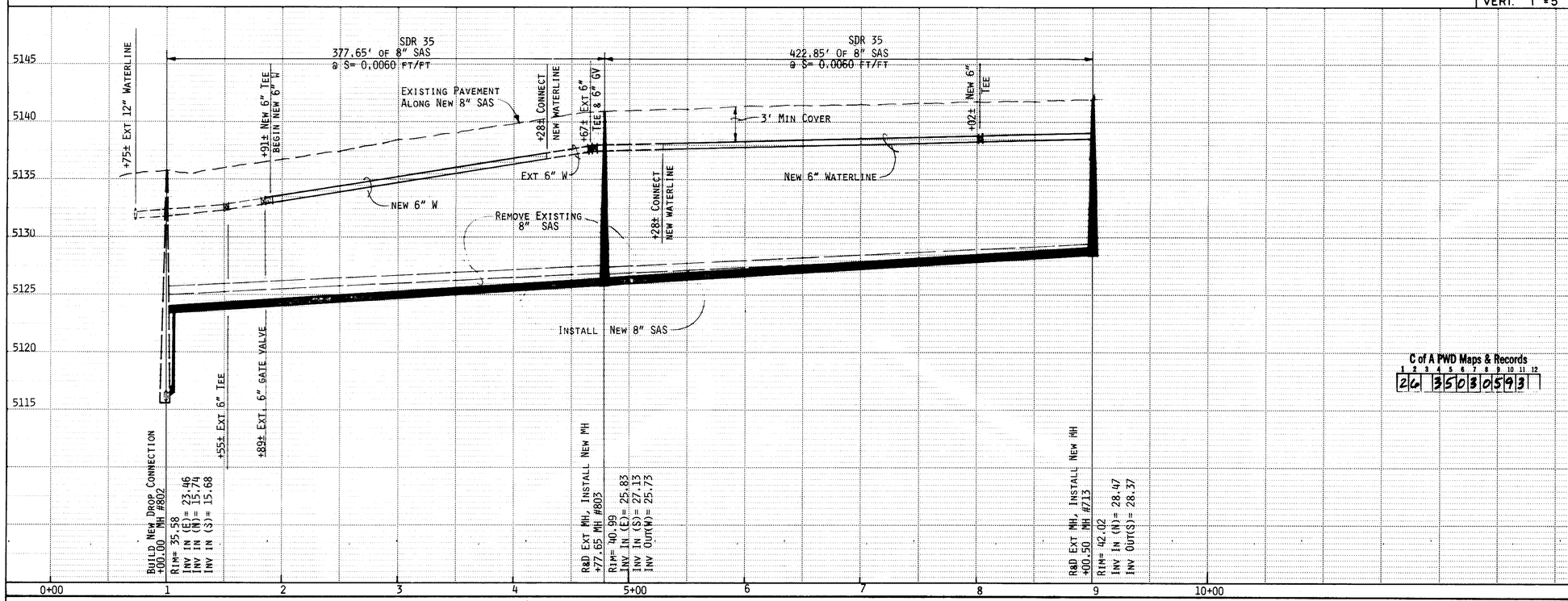
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			~~Liquid Waste~~		
Trans. Dev.			~~Traffic~~		
Utility Dev.			~~Water~~		

DRAWING NO. 3503 | MAP NO. G-17 | SHEET 4 OF 24



ALTA MONTE DRIVE

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



NOTES

1. SEE SHEET 22 FOR WATER VALVE SHUT-OFF PLAN FOR THIS WORK.
2. THE EXISTING 6 INCH STEEL WATERLINE SHALL BE REMOVED & DISPOSED OF FROM STA. 1+91± TO STA. 4+28± AND FROM STA. 5+28± TO APPROXIMATELY STA. 10+00.

WATER SERVICE REHABILITATION

STREET ADDRESS	METER SIZE	①	②	③
3216 CARLISLE	3/4"	X		
3300 "	"			X
3606 ALTA MONTE	"	X	X	
3607 " "	"			X
3610 " "	"	X	X	
3611 " "	"			X
3615 " "	"			
3619 " "	"			
3703 " "	"			X
3707 " "	"			X
3708 " "	"	X	X	
3711 " "	"			X
3712 " "	"	X	X	
3802 " "	"	X	X	
3803 " "	"			X
3807 " "	"			X
3810 " "	"	X		

KEY: ① SERVICE LINE TRANSFER
② METER BOX RELOCATION & REPLACEMENT
③ SERVICE LINE REPLACEMENT

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3503 05 93

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL DATE 1990
WORK STAKED BY G. MARQUEZ
INSPECTOR'S ACCEPTANCE BY T. ARCHULETA DATE 6-9-
FIELD VERIFICATION BY TONY A. DATE 6-9-
DRAWINGS CORRECTED BY I & A DATE 9-9-
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ASC BRASS CAP "6-G17" SET IN THE FRONTAGE ROAD MEDIAN CURB ON CARLISLE BOULEVARD OPPOSITE AZTEC ROAD TO THE WEST
ELEVATION= 5136.46

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	S.D.G.	7/88

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR
THOMAS O. ISAACSON
NEW MEXICO No. 3898
5-89

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

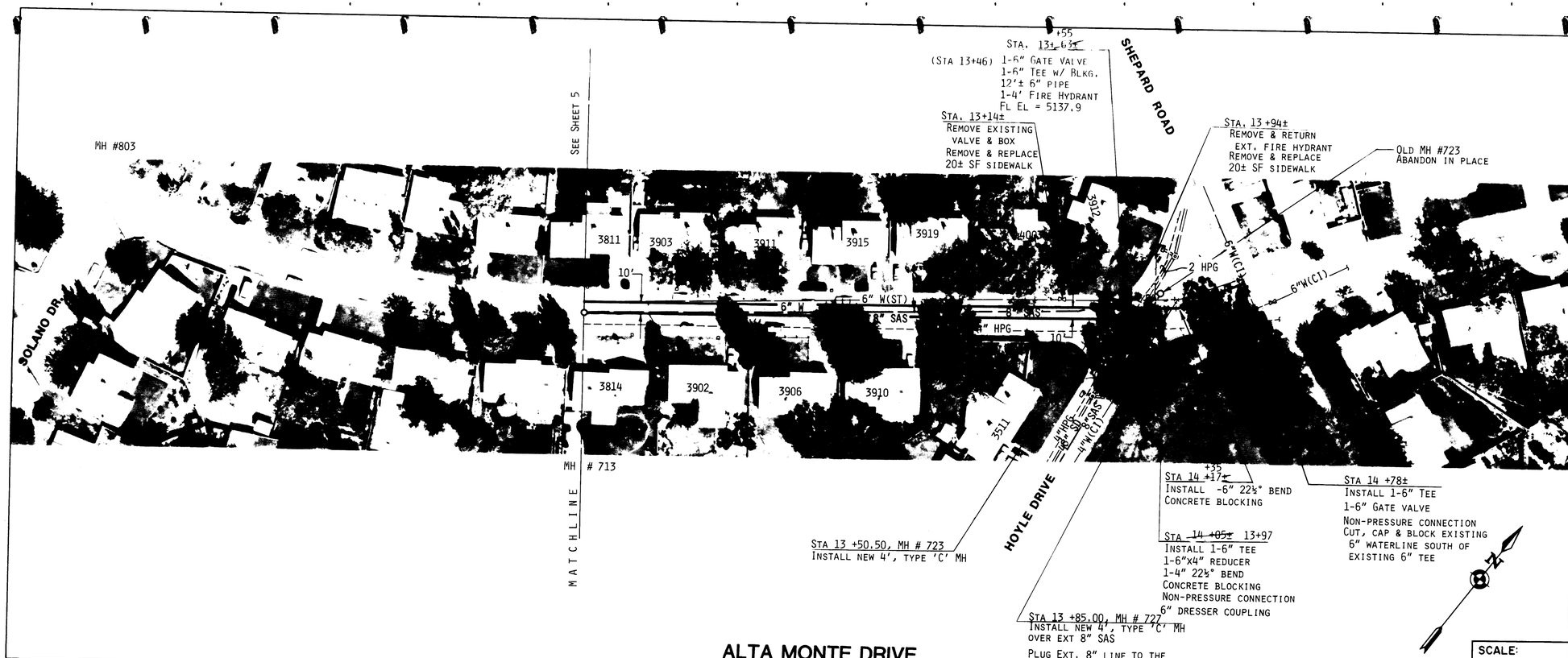
		DATE
DESIGNED BY	SMM	10/88
DRAWN BY	NA	1/89
CHECKED BY		DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
ALTA MONTE DRIVE

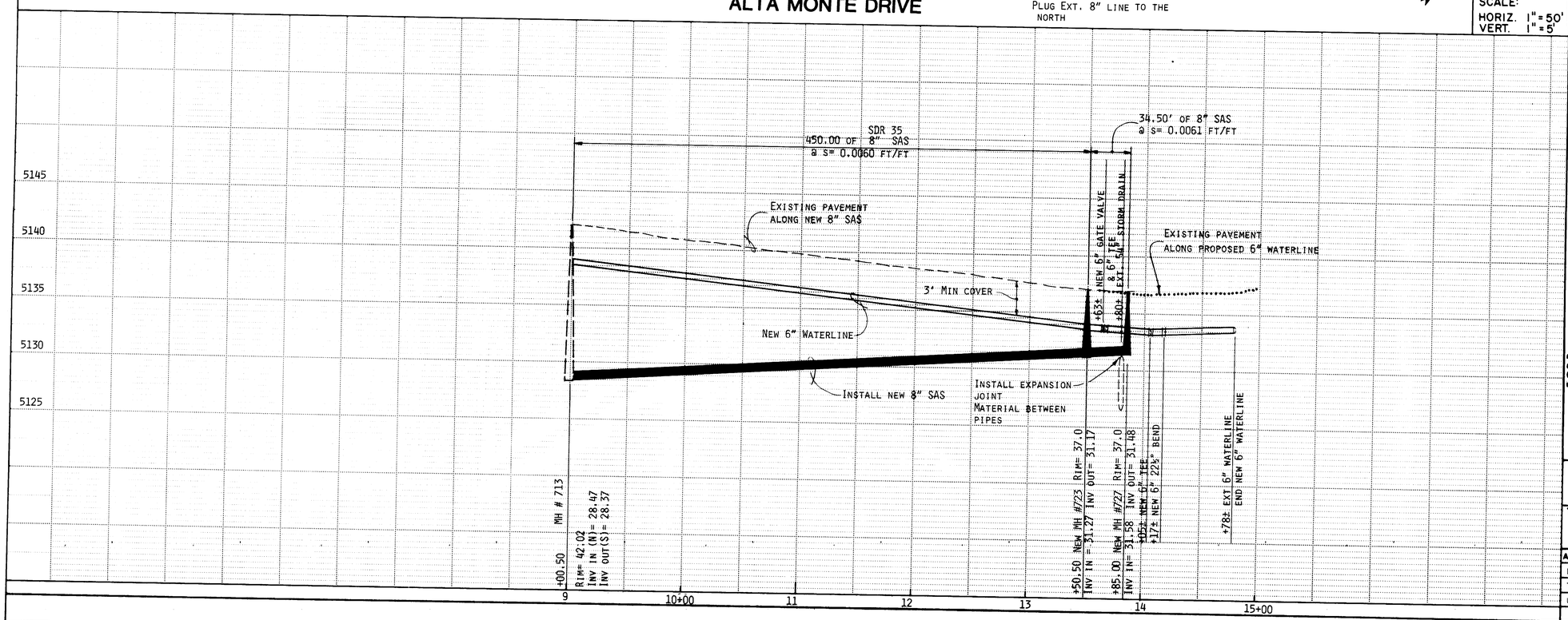
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			~~Liquid Waste~~		
Trans. Dev.	"		~~Traffic~~		
Utility Dev.			~~Water~~		

DRAWING NO.	MAP NO.	SHEET
3503	G-17	5 OF 24



ALTA MONTE DRIVE

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



NOTES

1. SEE SHEET 22 FOR WATER VALVE SHUT-OFF PLAN FOR THIS WORK.
2. THE EXISTING 8" SANITARY SEWER LINE AND 6" STEEL WATERLINE SHALL BE REMOVED & DISPOSED OF WHERE THE NEW PIPE AND THE OLD PIPE ARE SEPARATED BY LESS THAN 12 INCHES, MEASURED O.D. TO O.D.
3. THE CONTRACTOR SHALL LOCATE ONE OF THE NEW WATER SERVICES WITHIN 3 FEET OF THE HIGHPOINT ON THE NEW 6" WATERLINE (APPROX. STA. 9+00).

WATER SERVICE REHABILITATION

ALTA MONTE ADDRESS	METER SIZE	1	2	3
3811	3/4"			X
3814	"	X	X	
3902	"	X	X	
3903	"			X
3906	"	X		
3910	"	X	X	
3911	"			X
3915	"			X
3919	"			X
4003	"			X

KEY: (1) SERVICE LINE TRANSFER
(2) METER BOX RELOCATION & REPLACEMENT
(3) SERVICE LINE REPLACEMENT

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1-89
INSPECTORS
ACCEPTANCE BY T. ARCHULETA DATE 2-89
VERIFICATION BY TONY A. DATE 3-89
DRAWINGS CORRECTED BY I & A DATE 3-89
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ASC BRASS CAP "6-G17" SET IN THE FRONTAGE ROAD MEDIAN CURB ON CARLISLE BOULEVARD OPPOSITE AZTEC ROAD TO THE WEST.
ELEVATION= 5136.46

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	S.D.G.	7/88

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER
THOMAS G. SANCHEZ
No. 5995
STATE OF NEW MEXICO
5-5-89

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	SMM	10/88
DRAWN BY	NA	1/89
CHECKED BY		DATE

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 5 0 3 0 6 9 3

RECORD DRAWING

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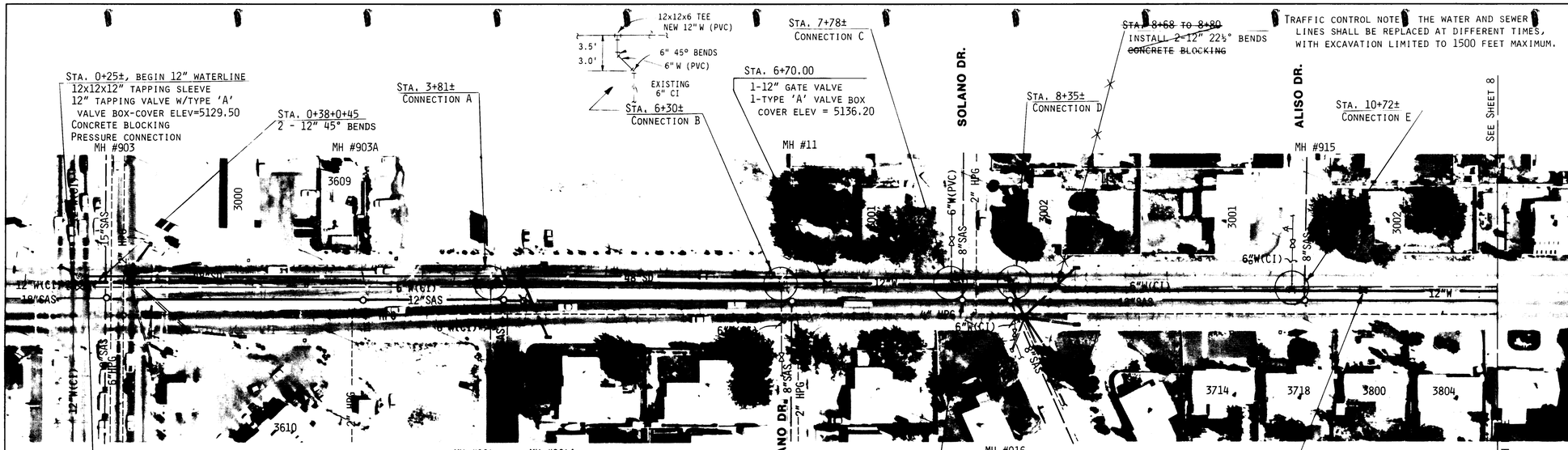
Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
ALTA MONTE DRIVE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Liquid Waste		
Trans. Dev.	"		Traffic		
Utility Dev.			Water		

DRAWING NO.	MAP NO.	SHEET
3503	G-17	6 OF 24

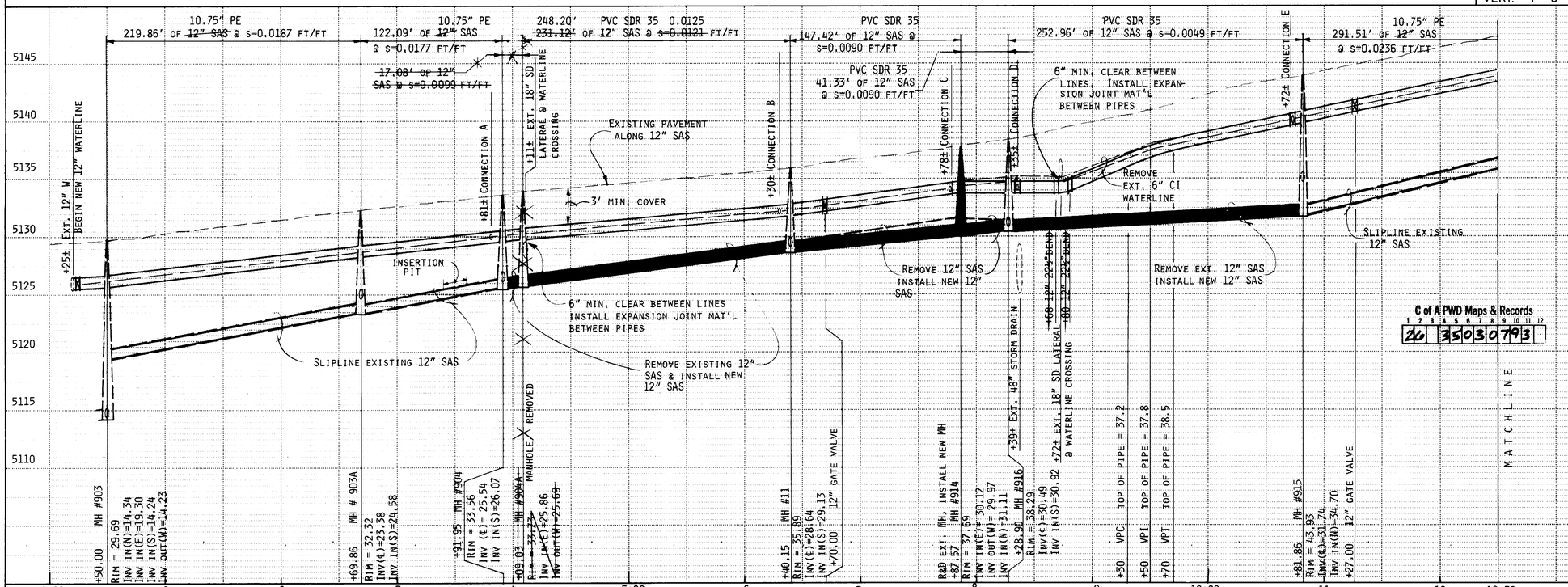


NOTES

1. CONTRACTOR SHALL UNCOVER THE EXISTING 12" WATERLINE IN CARLISLE BLVD. TO VERIFY THE HORIZONTAL POSITION FOR THE PROPOSED TAPPING SLEEVE. IF THE CONNECTION POINT SHIFTS NORTH OR SOUTH, THEN THE 12" WATERLINE SHALL BE DEFLECTED A MAXIMUM OF 3° PER JOINT TO BRING IT TO THE DESIGN ALIGNMENT.
2. CONTRACTOR TO VERIFY EXISTING DEPTH OF 18" STORM DRAIN LATERAL, 6" CAST IRON & 6" STEEL (ABANDONED) WATERLINES AT STA. 8+70. THE PROPOSED 12" WATERLINE SHALL BE INSTALLED DEEPER, BEGINNING AT STA. 7+80±, TO AVOID ANY GRADE CONFLICT AT THE PROPOSED CROSSING. NO PAYMENT WILL BE MADE FOR EXPANSION JOINT MATERIAL.
3. THE 12" TAPPING VALVE AT STA. 0+22± WILL BE CONSIDERED AS A 12" GATE VALVE FOR PAYMENT PURPOSES.
4. SEE WATER VALVE SHUT-OFF PLAN ON SHEET 22.
5. THE CONTRACTOR SHALL REMOVE & DISPOSE OF THE 6-INCH WATERLINE FROM STA. 0+27± TO STA. 24+99±.

WATERLINE CONNECTION TABLE

CONNECTION	12"x6" TEE	6" WATERLINE	6" TRANS. COUPLING	NON-PRESS. CONNECTION	REMOVE 6" TEE	CONCRETE BLOCKING	OTHER
A	1	~~10'~~ 7'	~~1~~ 0	1	1	X	6" SOLID " SLEEVE
B	1	~~10'~~ 4'	~~1~~ 0	1	1	X	2 - 6" 45° " BENDS
C	1	~~5'~~ 1'	~~1~~ 0	1	1	MEGALUGS ~~X~~	2 - 6" 45° BENDS (VER)
D	1	~~10'~~ 4'	1 0	1	1	MEGALUGS ~~X~~	~~6" 111° bend~~
E	1	~~5'~~ 4'	~~1~~ 0	1	1	MEGALUGS ~~X~~	2 - 6" 22½° " BENDS (VER)



WATER SERVICE REHABILITATION

STREET ADDRESS	METER SIZE	①	②	③
3001 SOLANO	3/4"			X
3002 SOLANO	"	X		
3001 ALISO	"			X
3002 ALISO	"			X
3000 CARLISLE	"	X	X	
CANDELARIA				
3609	"	X	X	
3610	"			X
3714	"	X	X	
3718	"			X
3800	"			X
3804	"	X	X	

KEY:
① SERVICE LINE TRANSFER
② METER BOX RELOCATION & REPLACEMENT
③ SERVICE LINE REPLACEMENT

RECORD DRAWING

WARNING
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Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3503 0793

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTORS FIELD FINANCE BY M. TENORIO DATE 5/90
VERIFICATION BY MIKE T. DATE 6/90
CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BRASS CAP "1-617" LOCATED IN THE MEDIAN ON CARLISLE BLVD. 42 FEET NORTH OF THE CENTER-LINE OF CANDELARIA RD. NE
ELEVATION: 5130.11

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	S.D.G.	7/88

ENGINEER'S SEAL
PROFESSIONAL ENGINEER No. 3895 REGISTERED
PROFESSIONAL SURVEYOR No. 4945 REGISTERED
5-5-89

NO.	DATE	REMARKS	BY

REVISIONS

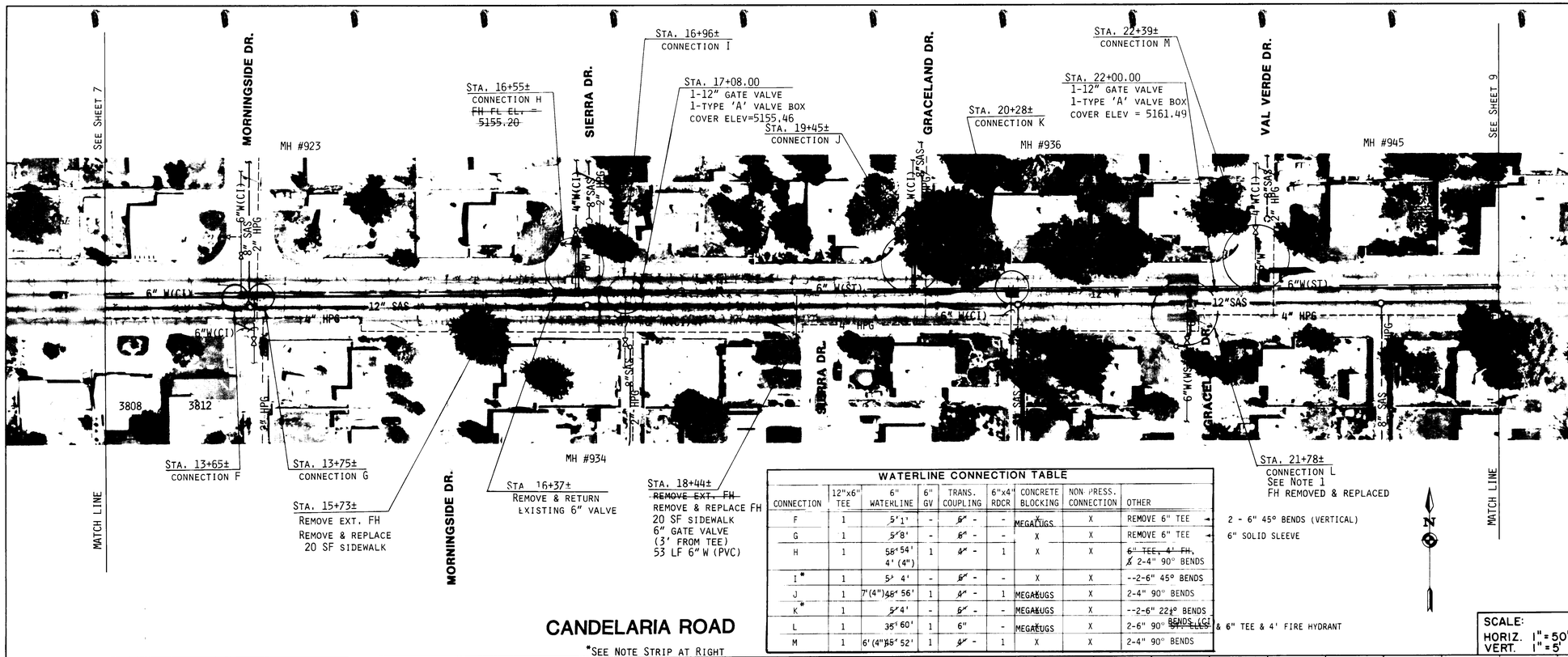
DESIGNED BY	SWM	DATE 10/88
DRAWN BY	NA	DATE 1/89
CHECKED BY		DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
CANDELARIA ROAD STA. 0+00 to 12+50

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair			~~Liquid Waste~~		
Trans. Dev.	"	"	~~Traffic~~		
Utility Dev.			~~Water~~		

DRAWING NO.	MAP NO.	SHEET	OF
3503	G-17	7	24



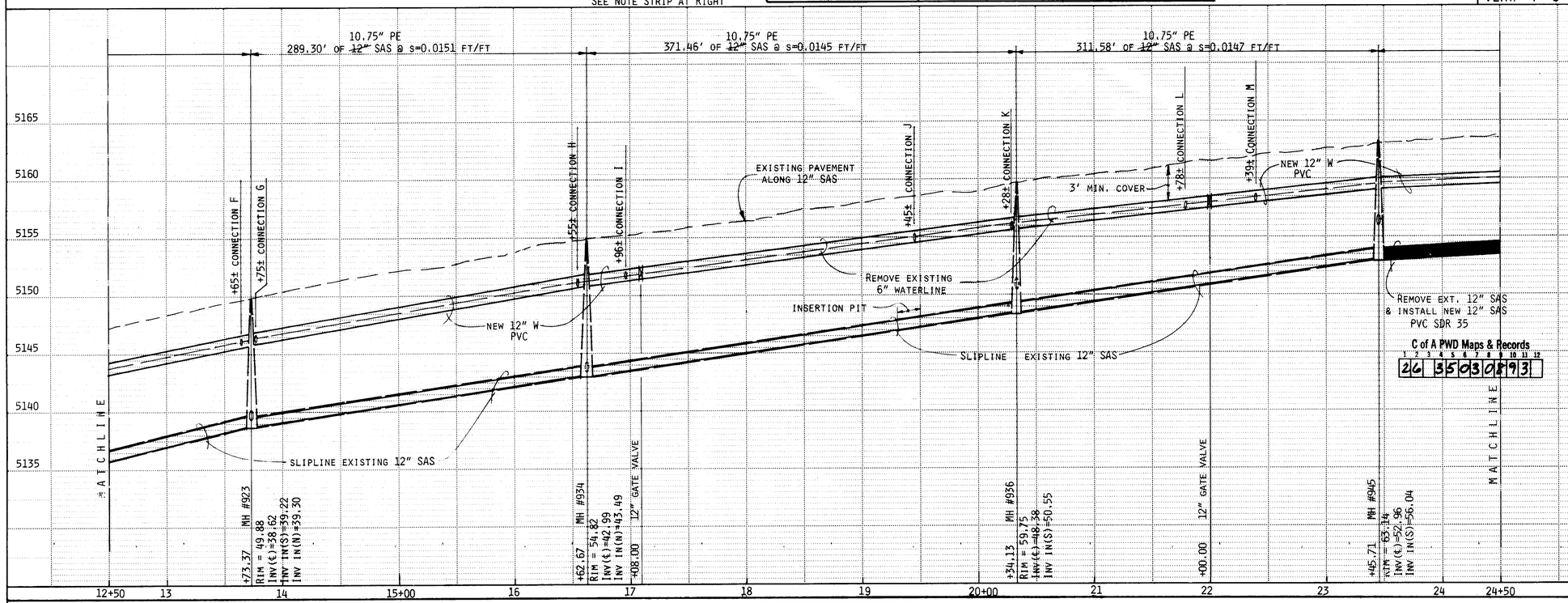
CANDELARIA ROAD

*SEE NOTE STRIP AT RIGHT

WATERLINE CONNECTION TABLE

CONNECTION	12"x6" TEE	6" WATERLINE	6" GV	TRANS. COUPLING	6"x4" RDCR	CONCRETE BLOCKING	NON PRESS. CONNECTION	OTHER	
F	1	~~5'1'~~	-	~~6"~~ -	-	~~X~~ MEGALUGS	X	REMOVE 6" TEE	2 - 6" 45° BENDS (VERTICAL)
G	1	~~5'8'~~	-	~~6"~~ -	-	X	X	REMOVE 6" TEE	6" SOLID SLEEVE
H	1	~~58'~~ 54' 4' (4")	1	~~4"~~ -	1	X	X	~~6" TEE, 4" FH,~~ ~~X~~ 2-4" 90° BENDS	
I*	1	~~5'~~ 4'	-	~~6"~~ -	-	X	X	--2-6" 45° BENDS	
J	1	7'(4")~~46'~~ 56'	1	~~4"~~ -	1	~~MEGALUGS~~	X	2-4" 90° BENDS	
K*	1	~~5'~~ 4'	-	~~6"~~ -	-	~~MEGALUGS~~	X	--2-6" 22½° BENDS	
L	1	~~35'~~ 60'	1	6"	-	~~MEGALUGS~~	X	2-6" 90° ~~W. LUG~~ BENDS (CI)	& 6" TEE & 4' FIRE HYDRANT
M	1	6'(4")~~45'~~ 52'	1	~~6"~~ -	1	X	X	2-4" 90° BENDS	

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



NOTES

1. CONTRACTOR SHALL VERIFY WATERLINE PIPE MATERIAL TYPE IN GRACELAND DR. SOUTH OF CANDELARIA. IF A PREVIOUS REPLACEMENT TO CI PIPE HAS BEEN MADE, THEN CONNECTION L REQUIRES THE SAME TYPE TIE-IN DETAILED FOR CONNECTION K.
2. SEE WATER VALVE SHUT-OFF PLAN ON SHEET 22.
3. THE EXISTING FIRE HYDRANTS ON THE SOUTH SIDE OF CANDELARIA AT MORNINGSIDE AND SIERRA ~~SHALL BE~~ WERE REMOVED AND REPLACED ~~WITH ONE HYDRANT ON THE NORTH SIDE OF CANDELARIA AT SIERRA DRIVE~~.

RECORD DRAWING

WARNING

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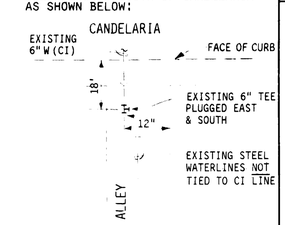
WATER SERVICE REHABILITATION

STREET ADDRESS	METER SIZE	1	2	3
3808 CANDELARIA	3/4"	X	X	
3812 CANDELARIA	"			X

KEY:
1. SERVICE LINE TRANSFER
2. METER BOX RELOCATION & REPLACEMENT
3. SERVICE LINE REPLACEMENT

CONNECTION NOTE:

WATERLINE CONNECTIONS I & K HAVE BEEN PLUGGED SOUTH OF CANDELARIA AS SHOWN BELOW:



Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTOR'S ACCEPTANCE BY M. TENORIO DATE 6/90
FIELD VERIFICATION BY MIKE T. DATE 9/90
DRAWINGS CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BRASS CAP "6-H17" SET FLUSH WITH THE CURB IN THE SW QUADRANT OF THE INTERSECTION OF GRACELAND DR. AND CANDELARIA RD. NE
ELEVATION = 5161.13

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	S.D.G.	7/88

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR No. 3898 NEW MEXICO THOMAS D. HAYES
5589

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

		DATE
DESIGNED BY	SNM	10/88
DRAWN BY	NA	1/89
CHECKED BY		DATE

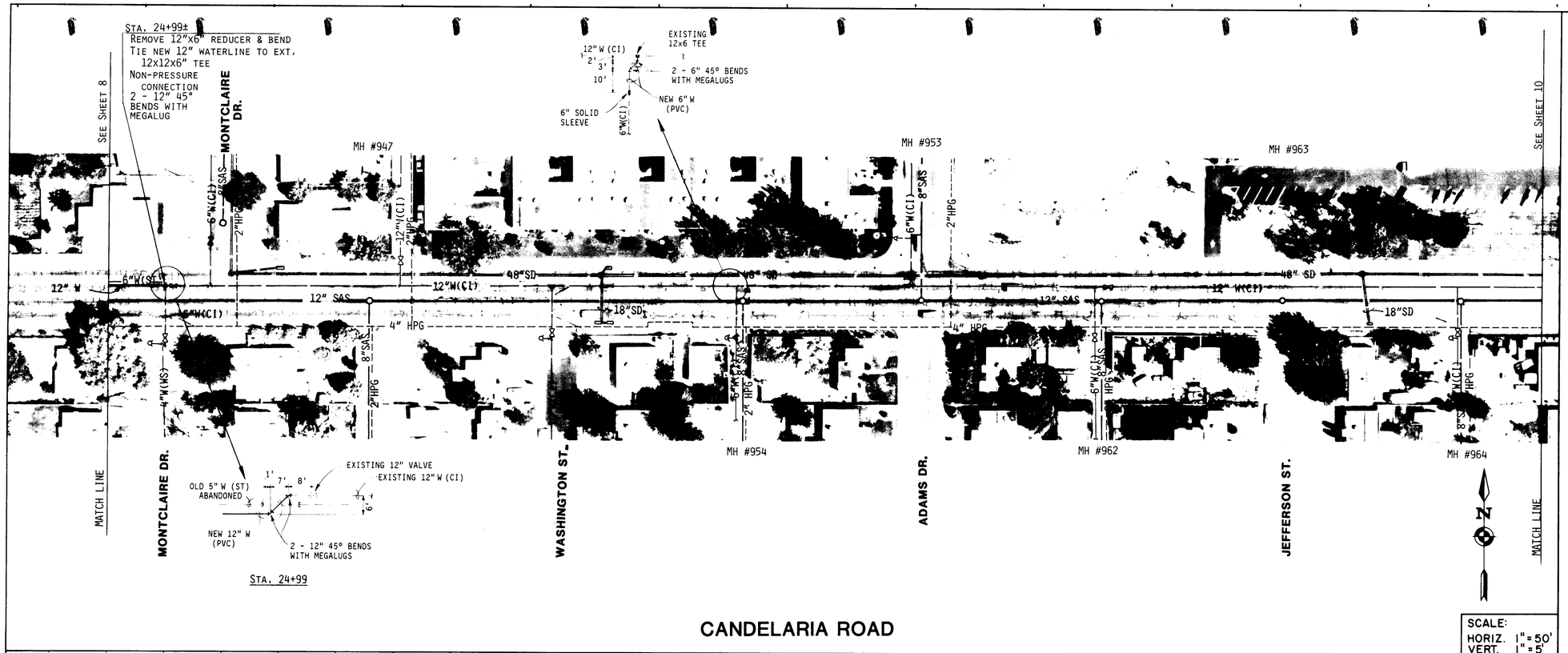
C of A PWD Maps & Records
26 3503 08 93

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
CANDELARIA ROAD STA. 12+50 TO STA. 24+50

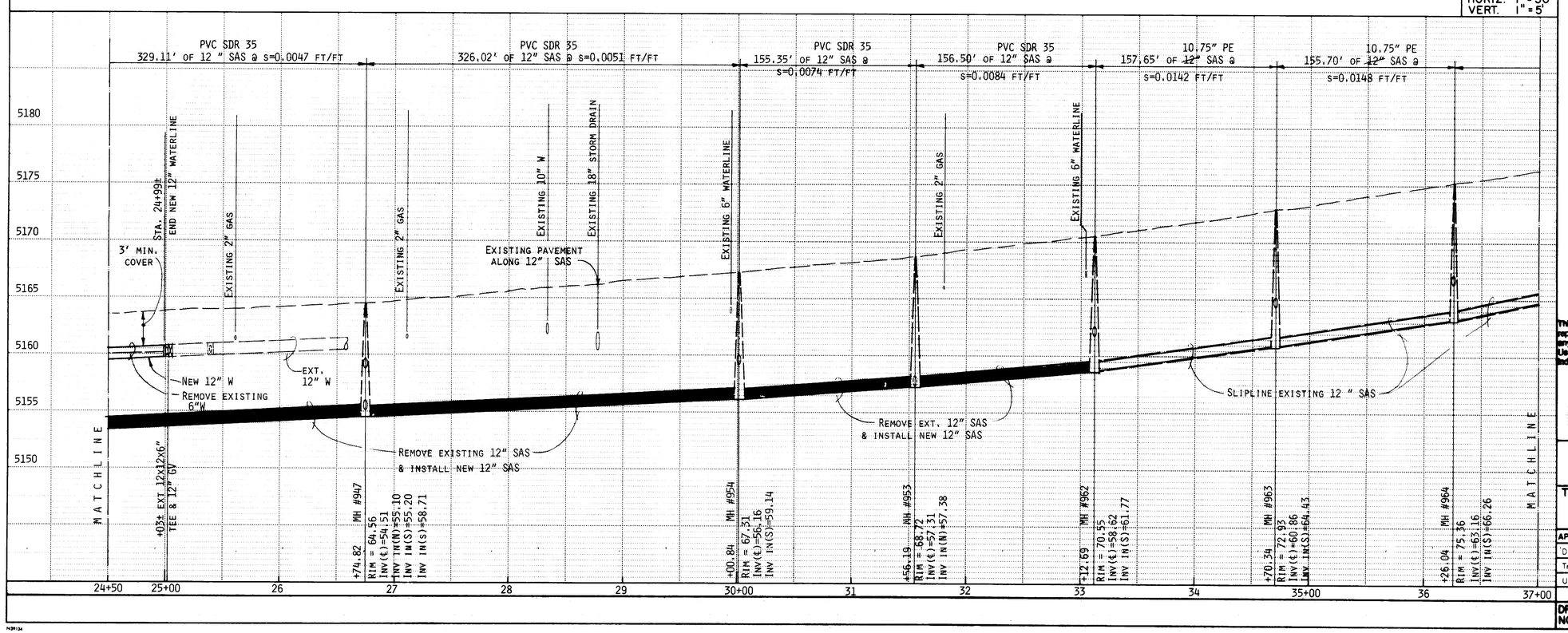
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			~~Liquid Waste~~		
Trans. Dev.	"	"	~~Traffic~~		
Utility Dev.			~~Water~~		

DRAWING NO. 3503 | MAP NO. G-17 | SHEET 8 OF 24



CANDELARIA ROAD

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



NOTES

1. SEE WATER VALVE SHUT-OFF PLAN ON SHEET 22.

RE-CORD DRAWING

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3503 0993

WARNING

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Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
CANDELARIA ROAD STA. 24+50 to STA. 37+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			~~Liquid Waste~~		
Trans. Dev.			~~Traffic~~		
Utility Dev.			Water		

DRAWING NO.	MAP NO.	SHEET	OF
3503	G-17	9	24

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTOR'S ACCEPTANCE BY A. OSTAPACK DATE 6/90
FIELD VERIFICATION BY ALAN O. DATE 6/90
CORRECTIONS BY I & A DATE 8/90
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BRASS CAP "6-H17" SET FLUSH WITH THE CURB IN THE SW QUADRANT OF THE INTERSECTION OF GRACELAND DR. AND CANDELARIA RD. NE
ELEVATION: 5161.13

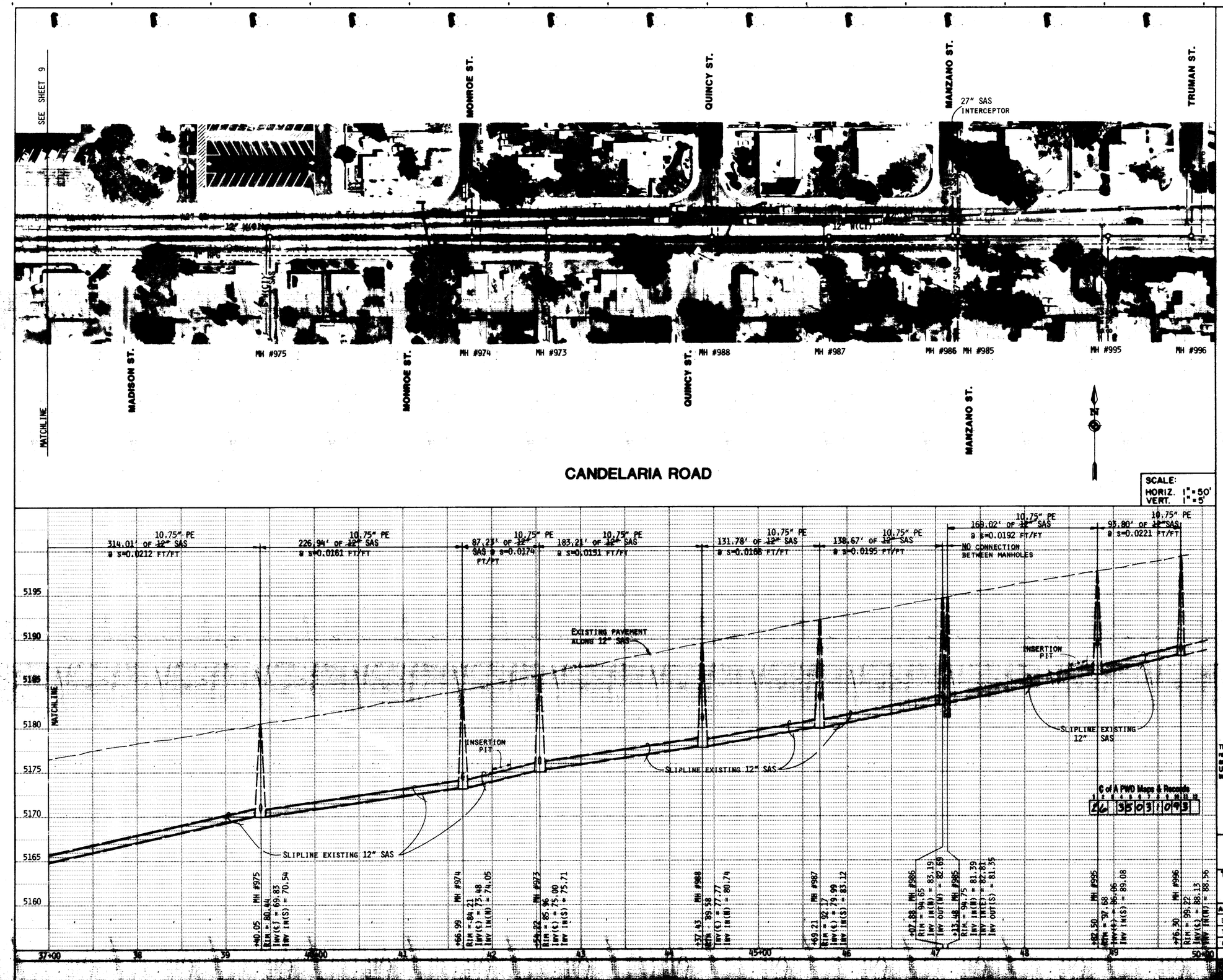
SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	S.D.G.	7/88

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR No. 5898 STATE OF NEW MEXICO
S.S.G.

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY SNM DATE 10/88
DRAWN BY NA DATE 1/89
CHECKED BY DATE



AS BUILT INFORMATION

CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTED BY
ACCEPTANCE BY A. OSTAPACK DATE 6/90
FIELD VERIFICATION BY ALAN O. DATE
DRAWINGS CORRECTED BY I & A. DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

ACS BENCHMARK "Z-617", A SQUARE CHISELED IN THE TOP OF THE ESE CURB RETURN AT THE INTERSECTION OF CANDELARIA BLVD. AND MADISON ST. NE
ELEVATION = 5178.09

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	S.D.G.	7/88

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY SMM DATE 10/88
DRAWN BY DATE
CHECKED BY DATE

RECORD DRAWING

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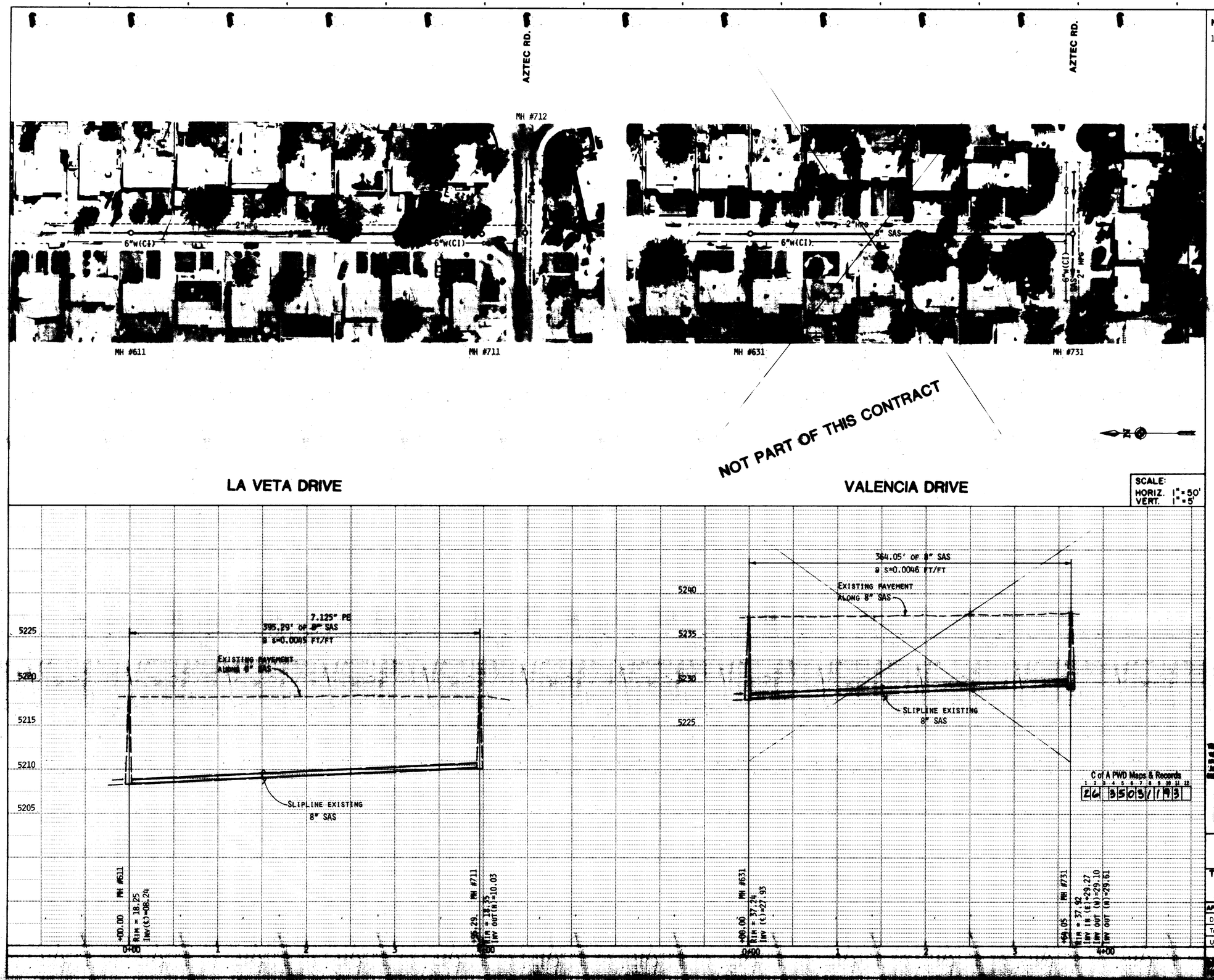
Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
CANDELARIA ROAD STA. 37+00 TO STA. 50+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		5/2/89			
Trans. Dev.	"	"	Traffic		
Utility Dev.			Water		

DRAWING 3502 MAP NO. F-17



NOTES

1. NO WATERLINE REPLACEMENT WORK IS SCHEDULED FOR EITHER OF THE TWO AREAS SHOWN ON THIS SHEET.

RECORD DRAWING

WARNING

The preparer of a record document, Record drawings are based on reports submitted by others. Engineers cannot assume responsibility for the accuracy of record drawings. Users of record documents are cautioned and advised to make independent verification of actual conditions.

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3505/1993

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
LA VETA DRIVE & VALENCIA DRIVE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Trans. Dev.			Traffic		
Utility Dev.			Parks		

DRAWING NO. 3506 MAP NO. E-19 SHEET NO. 1 OF 1

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY SWM DATE 11/88
DRAWN BY NA DATE 1/89
CHECKED BY DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER
NO. 5886
NEW MEXICO
5886

SURVEY INFORMATION

FIELD NOTES

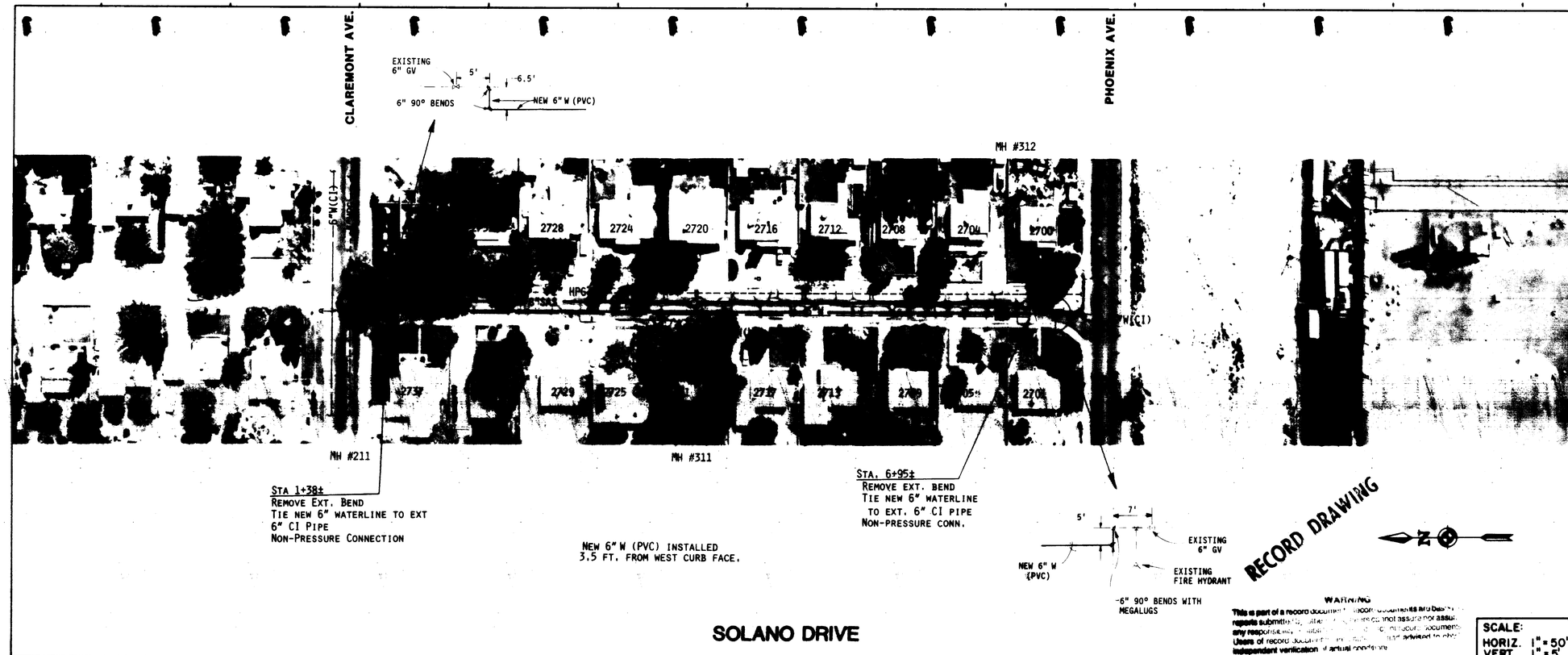
NO.	BY	DATE
	S. D. G.	7/88

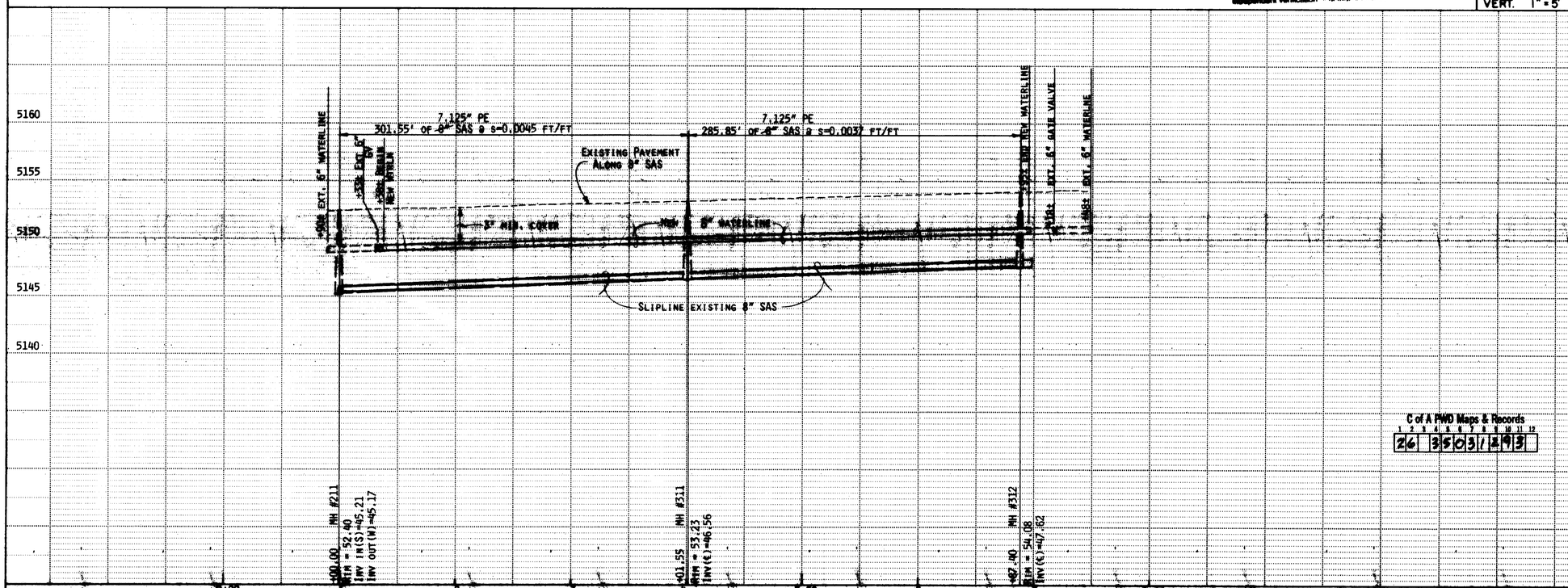
BENCH MARKS

NMSHC BRASS CAP "MM 367-6" LOCATED 10 FEET NORTH OF THE NOSE OF THE MEDIAN IN SAN MATEO BLVD NE NORTH OF ITS INTERSECTION WITH ARVILLA AVENUE NE
ELEVATION = 5207.26

AS BUILT INFORMATION

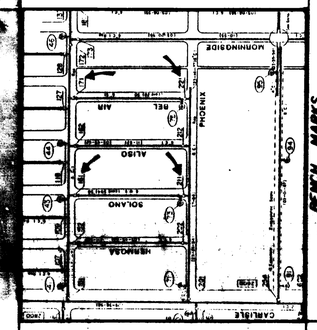
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTORS ACCEPTANCE BY A. OSTAPACK DATE 4/90
FIELD VERIFICATION BY ALAN O. DATE 4/90
VERIFICATION BY DATE
CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.





NOTES

1. ~~THE EXISTING~~ 6" STEEL WATERLINE SHALL BE ~~REMOVED AND~~ DISPOSED OF FROM STA. 1+38± TO STA. ~~6+95±.~~ OLD WATERLINES WERE ABANDONED IN PLACE.



WATER VALVE
SHUT-OFF PLAN

KEY TO WATER SERVICE REHAB. TABLE

1. SERVICE LINE TRANSFER
2. METER BOX RELOCATION & REPLACEMENT
3. SERVICE LINE REPLACEMENT

WATER SERVICE REHABILITATION

SOLANO ADDRESS	METER SIZE	1	2	3
2700	3/4"			
2701	"			
2704	"	X	X	
2705	"			X
2708	"	X	X	
2709	"			X
2712	"	X	X	
2713	"			X
2716	"	X	X	
2717	"			X
2720	"	X	X	
2721	"			X
2724	"	X	X	
2725	1-4"			X
2728	3/4"	X	X	
2729	"			X
2732	"	X	X	
2733	"			X
2736	"	X	X	
2737	"			X

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 35031293

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
SOLANO DRIVE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D/R C. Chair			Liquid Waste		
Trans. Dev.			Traffic		
Utility Dev.			Water		

ENGINEER'S SEAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	S.D.G.	7/88

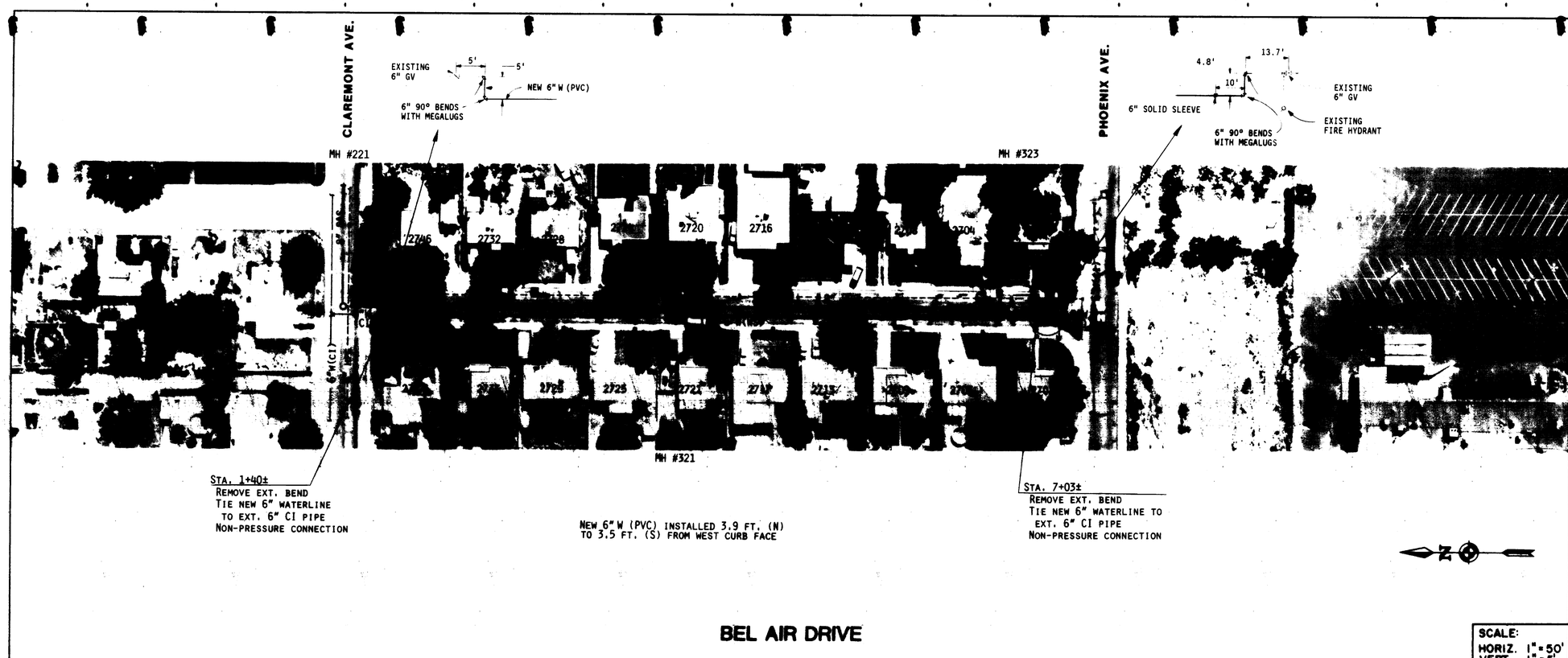
REVISIONS

NO.	DATE	REMARKS	BY

DESIGNED BY SMH DATE 12/88
DRAWN BY NA DATE 1/89
CHECKED BY DATE

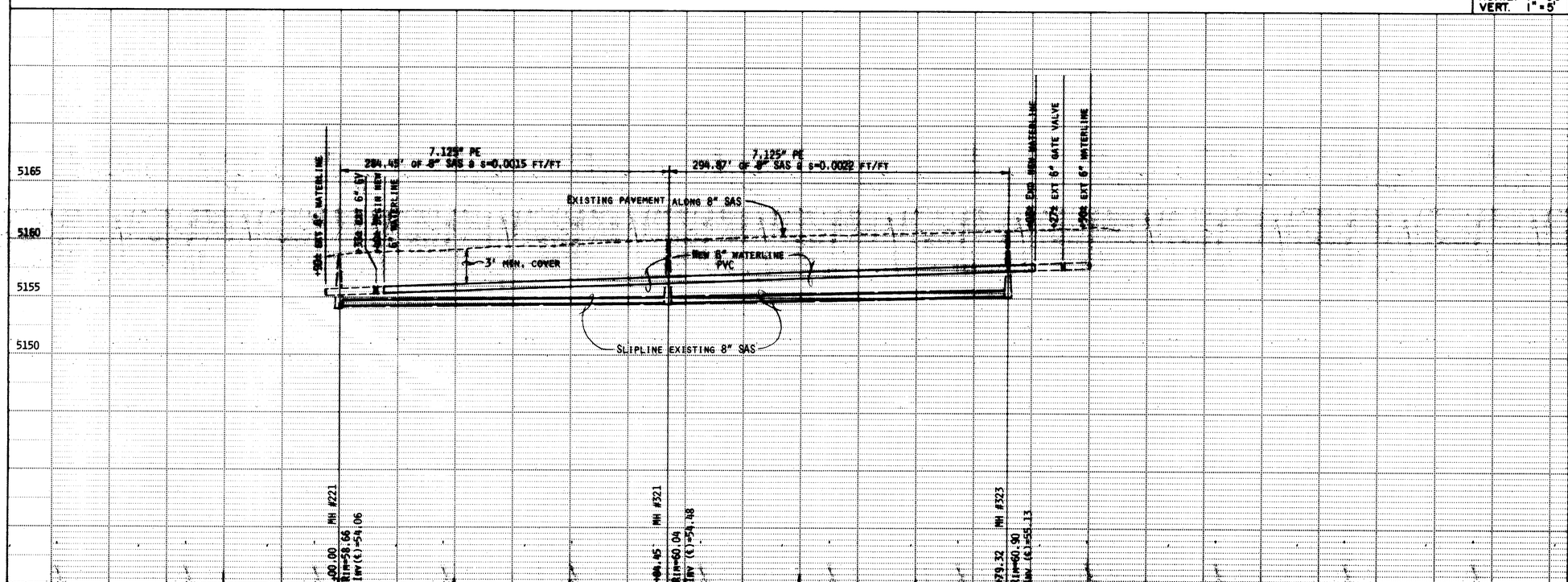
AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTED BY
ACCEPTANCE BY A. OSTAPACK DATE 4/90
FIELD VERIFICATION BY ALAN O. DATE 4/90
DRAWINGS CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BRASS CAP "6-H17 A" LOCATED IN THE MEDIAN OF CARLISLE BLVD. NE 191 FEET NORTH OF THE CENTERLINE OF PHOENIX AVE. NE
ELEVATION: 5148.74



BEL AIR DRIVE

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



NOTES

1. SEE SHEET 12 FOR WATER VALVE SHUT-OFF PLAN.
2. ~~THE EXISTING~~ 6" STEEL WATERLINE SHALL BE REMOVED AND DISPOSED OF FROM STA. 1+40± TO STA. ~~7+03±~~. OLD WATERLINES WERE ABANDONED IN PLACE.

RECORD DRAWING

WARNING
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WATER SERVICE REHABILITATION

BEL AIR ADDRESS	METER SIZE	1	2	3
2700	3/4"	X	X	
2701	"			X
2704	"	X		
2705	"			X
2708	"	X	X	
2709	"			X
2712	"	X	X	
2713	"			X
2716	"	X	X	
2717	"			X
2720	"	X	X	
2721	"			X
2724	"	X	X	
2725	"			X
2728	"	X	X	
2729	"			X
2732	"	X	X	
2733	"			X
2737	"			X
2746	"	X	X	

KEY:
1. SERVICE LINE TRANSFER
2. METER BOX RELOCATION & REPLACEMENT
3. SERVICE LINE REPLACEMENT

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 35 03 15 93

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
BEL AIR DRIVE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Liquid Waste		
Trans. Dev.			Traffic		
Utility Dev.			Water		

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTORS ACCEPTANCE BY A. OSTAPACK DATE 4/90
VERIFICATION BY ALAN O. DATE 4/90
DRAWINGS CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BRASS CAP " G-H17A " LOCATED IN THE MEDIAN OF CARLISLE BLVD N E 191 FEET NORTH OF THE CENTERLINE OF PHOENIX AVE N E
ELEVATION = 5148.74

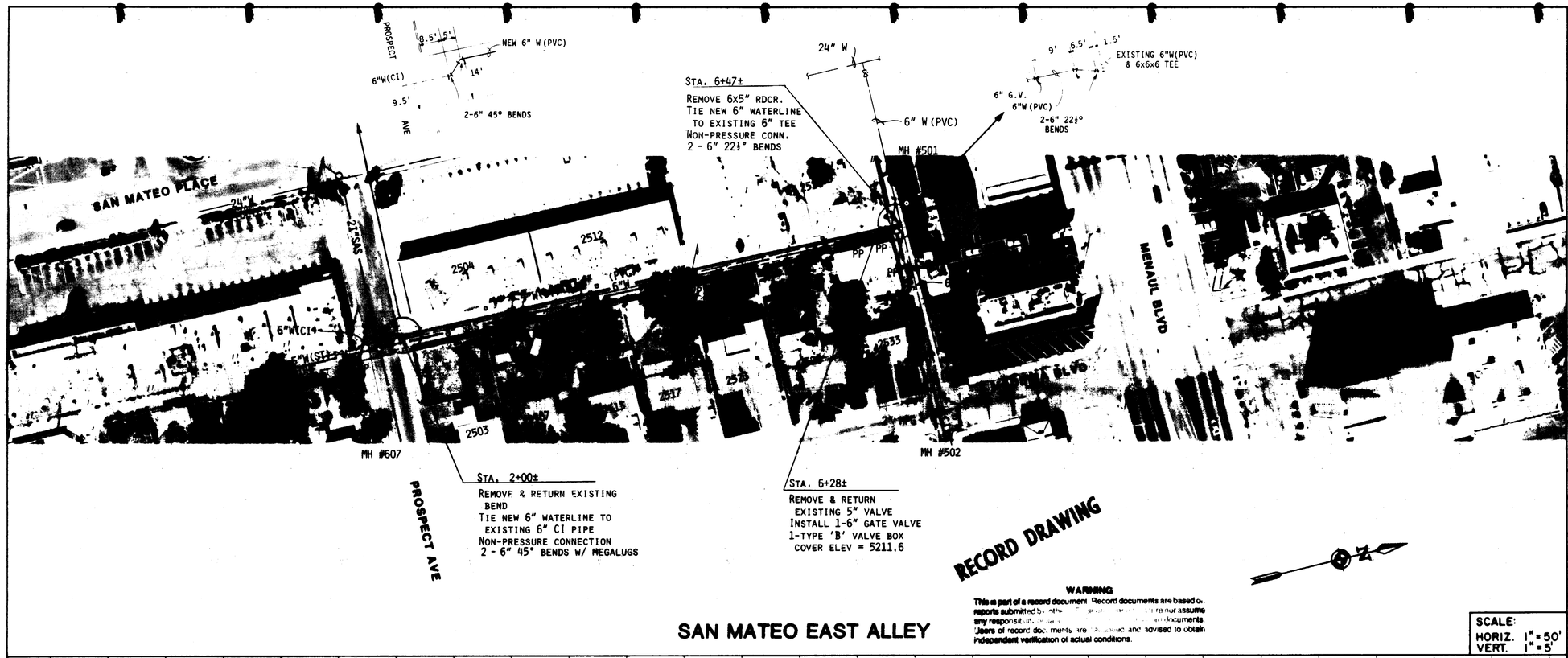
SURVEY INFORMATION
FIELD NOTES

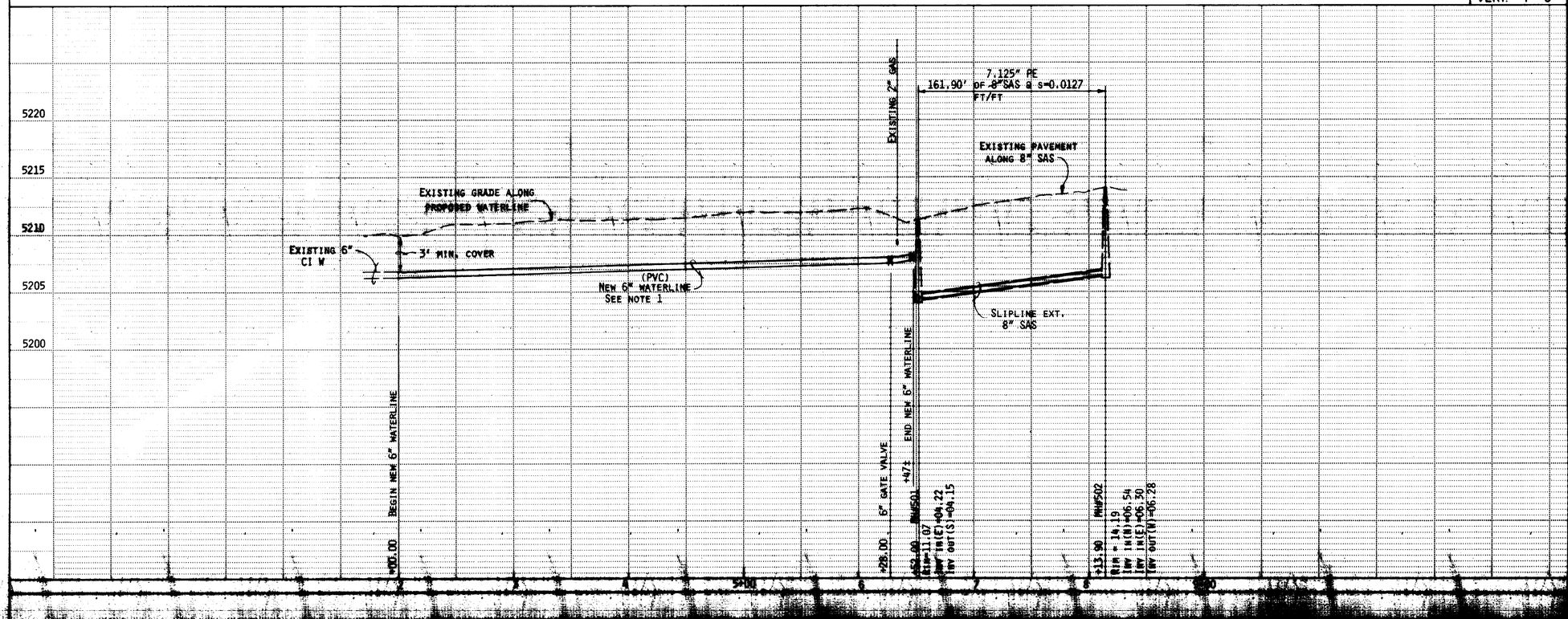
NO.	BY	DATE
	S. D. G.	7/88

ENGINEER'S SEAL
Saul Isaacson
REGISTERED PROFESSIONAL ENGINEER
No. 5588
NEW MEXICO, U.S.A.

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY SMM DATE 12/88
DRAWN BY DATE
CHECKED BY DATE





NOTES

1. CONTRACTOR SHALL PROVIDE A CONTINUOUS POSITIVE GRADE FOR THE WATERLINE INSTALLATION SHOWN.
2. THE WATER VALVE SHUT-OFF PLAN FOR THIS WORK IS SHOWN ON SHEET 22.
3. CONTRACTOR SHALL REPLACE APPROX. 150 FEET OF PAVING AT THE SOUTH END OF ALLEY EAST OF SAN MATEO PLACE AS PER DRAWING NO. 2415 FOR TEMPORARY PAVEMENT.
4. CONTRACTOR SHALL NOTIFY PUBLIC SERVICE CO. OF NM WHEN LIP OF TRENCH IS LESS THAN 5' FROM POWER POLE. COSTS ASSOCIATED WITH SUPPORTING EXISTING POLES SHALL BE INCIDENTAL TO THE PROJECT.
5. THE EXISTING 5" STEEL WATERLINE SHALL BE REMOVED & DISPOSED OF FROM STA. 2+00± TO STA. 6+47±.
6. CONTRACTOR SHALL VERIFY WATER LINE PIPE MATERIAL, IN EAST-WEST ALLEY SOUTH OF MENAUL, WHEN MAKING THE CONNECTION AT STA. 6+47±.

WATER SERVICE REHABILITATION

STREET ADDRESS	METER SIZE	①	②	③
2504 SAN MATEO PL	3/4"	X	X	
2512 " " "	"	X	X	
2520 " " "	"	X		
2503 MADEIRA	"			X
2507 " "	"			X
2513 " "	"			X
2517 " "	"			X
2523 " "	"			X
2529 " "	"			X
2533 " "	"			X

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3503 1993

KEY:
① SERVICE LINE TRANSFER
② METER BOX RELOCATION & REPLACEMENT
③ SERVICE LINE REPLACEMENT

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
SAN MATEO EAST ALLEY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		5/24/89			
Trans. Dev.	"	"			
Utility Dev.					

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL DATE 1990
DOWN STAKED BY G. MARQUEZ
INSPECTORS CHECK MARKS BY A. OSTAPACK DATE 4/90
FIELD VERIFICATION BY ALAN O. DATE 10/90
CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
WSHC BRASS CAP "WK367-B" LOCATED IN THE MEDIAN OF SAN MATEO BLVD. NORTH OF ITS INTERSECTION WITH CUTLER AVE. THE BRASS CAP IS 22 FEET NORTH OF THE RIDGE OF THE MEDIAN.
ELEVATION: 5204.26

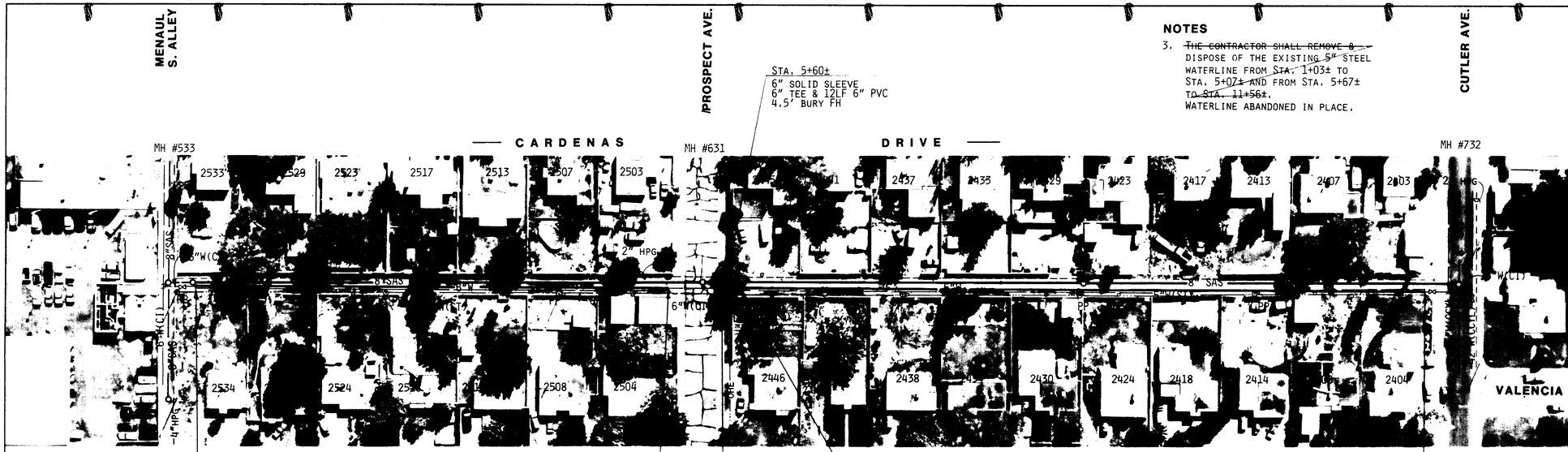
SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	S.D.G.	7/88

ENGINEER'S SEAL
PROFESSIONAL ENGINEER No. 8999 STATE OF NEW MEXICO

NO.	DATE	REMARKS	BY
		REV/SIONS	

DESIGNED BY SMM DATE 1/89
DRAWN BY NA DATE 1/89
CHECKED BY DATE



STA. 5+60±
6" SOLID SLEEVE
6" TEE & 12LF 6" PVC
4.5' BURY FH

STA. 1+03±
REMOVE EXT. BEND
TIE NEW 6" WATERLINE TO EXT. 6" CI PIPE
NON-PRESSURE CONN.
2 - 6" 90° BENDS WITH MEGALUGS (18' SOUTH OF EXISTING VALVE)

NEW 6" W (PVC) IS 9' EAST OF WEST ALLEY LINE

STA 5+07±
REMOVE EXT. BEND
TIE NEW 6" WATERLINE TO EXT. 6" CI PIPE
NON-PRESSURE CONN.
6" SOLID SLEEVE (31' NORTH NORTH OF SAS MH #631)

STA. 5+56.50
6" GATE VALVE

STA. 5+67±
REMOVE EXT. BEND
TIE NEW 6" WATERLINE TO EXT. 6" CI PIPE
NON-PRESSURE CONN.

NEW 6" W (PVC) IS 8' EAST OF WEST ALLEY/PROPERTY LINE

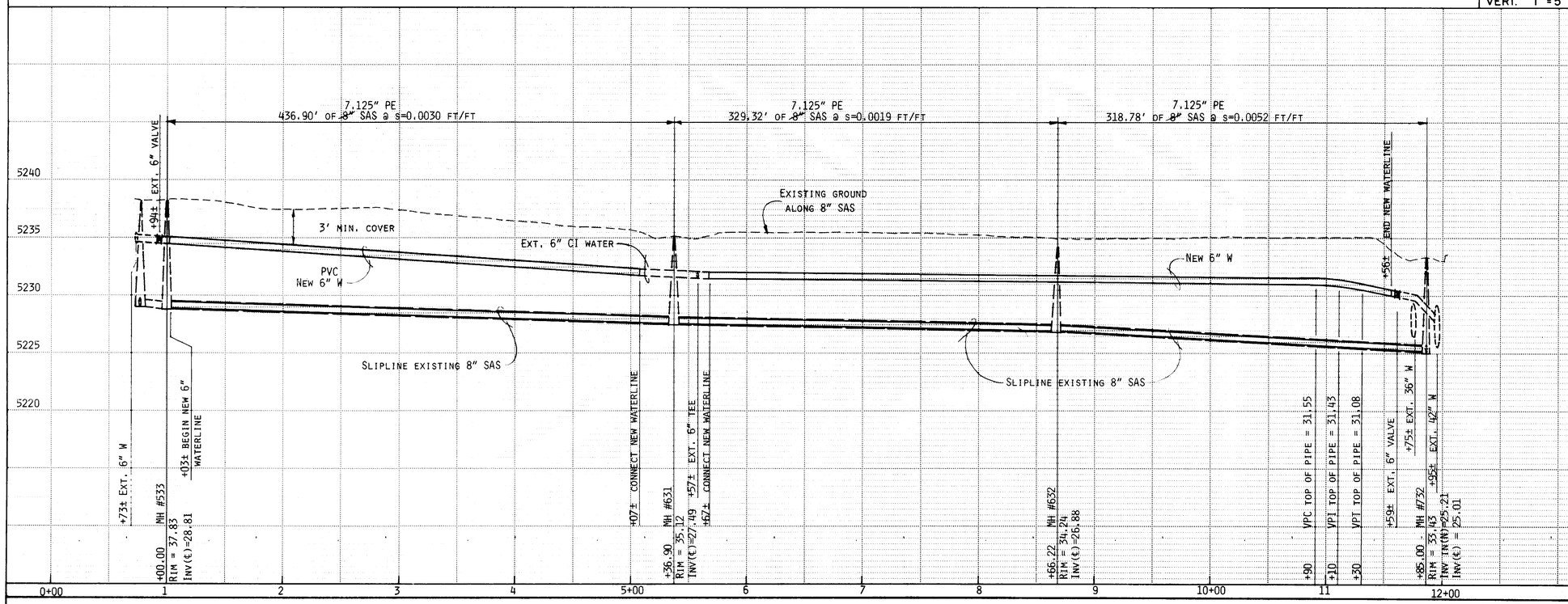
STA. 11+56±
REMOVE EXT. BEND & GV
TIE NEW 6" WATERLINE TO EXT. 6" CI PIPE
NON-PRESSURE CONN.
2 -6" 90° BENDS WITH MEGALUGS (18.8' NORTH OF VALVE)
31LF 6" PVC
6" GATE VALVE

RECORD DRAWING

WARNING
This is part of a record docum... reports submitted by ... any responsibility or ...
Users of record documents are cautioned and advised to obtain independent verification of actual conditions.

VALENCIA EAST ALLEY

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

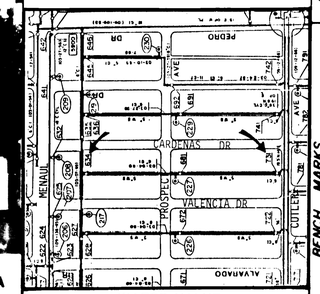


NOTES

3. ~~THE CONTRACTOR SHALL REMOVE & ...~~ DISPOSE OF THE EXISTING ~~5"~~ STEEL WATERLINE FROM ~~STA.~~ 1+03± TO STA. 5+07~~±~~ AND FROM STA. 5+67± ~~TO STA. 11+56±~~.
WATERLINE ABANDONED IN PLACE.

NOTES (CONT. AT LEFT)

1. SEE SHEET NO. 17 FOR REHABILITATION WORK ON VALENCIA DRIVE TO THE SOUTH.
2. CONTRACTOR SHALL NOTIFY PUBLIC SERVICE CO. OF NM WHEN LIP OF TRENCH IS LESS THAN 5' FROM POWER POLE. COSTS ASSOCIATED WITH SUPPORTING EXISTING POLES SHALL BE INCIDENTAL TO THE PROJECT.



WATER VALVE SHUT-OFF PLAN

WATER SERVICE REHABILITATION

STREET ADDRESS	METER SIZE	1	2	3
2404 VALENCIA	3/4"	X	X	
2408 " "	"	X		
2414 " "	"	X	X	
2418 " "	"			X
2424 " "	"			X
2430 " "	"			X
2434 " "	"			X
2438 " "	"			X
2442 " "	"			X
2446 " "	"			X
2504 " "	"			X
2508 " "	"			X
2514 " "	"			X
2518 " "	"			X
2524 " "	"			X
2534 * " "	"			X
2403 CARDENAS				X
2407 " "	"			X
2413 " "	"			X
2417 " "	"	X	X	
2423 " "	"	X	X	
2429 " "	"	X		
2433 " "	"	X		
2437 " "	"	X	X	
2441 " "	"	X	X	
2445 " "	"	X		
2503 " "	"	X		
2507 " "	"	X	X	
2513 " "	"	X	X	
2517 " "	"	X	X	
2523 " "	"	X	X	
2529 " "	"	X	X	
2533 " "	"	X	X	
*2530 VALENCIA	"			X

KEY:
1. SERVICE LINE TRANSFER
2. METER BOX RELOCATION & REPLACEMENT
3. SERVICE LINE REPLACEMENT

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3503 1593

Kleinfelder & Associates, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA I
VALENCIA EAST ALLEY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			~~Liquid Waste~~		
Trans. Dev.			~~Traffic~~		
Utility Dev.			~~Water~~		

DRAWING NO. 3503 | MAP NO. H-18 | SHEET 15 OF 24

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTORS FIELD CHANGES BY A. USTAPACK DATE 4/90
FIELD VERIFICATION BY ALAN O. DATE 4/90
CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BRASS CAP "13-H18" LOCATED AT THE SW QUADRANT OF THE INTERSECTION OF CUTLER AVE. WITH SAN PEDRO BLVD. NE
ELEVATION: 5248.55

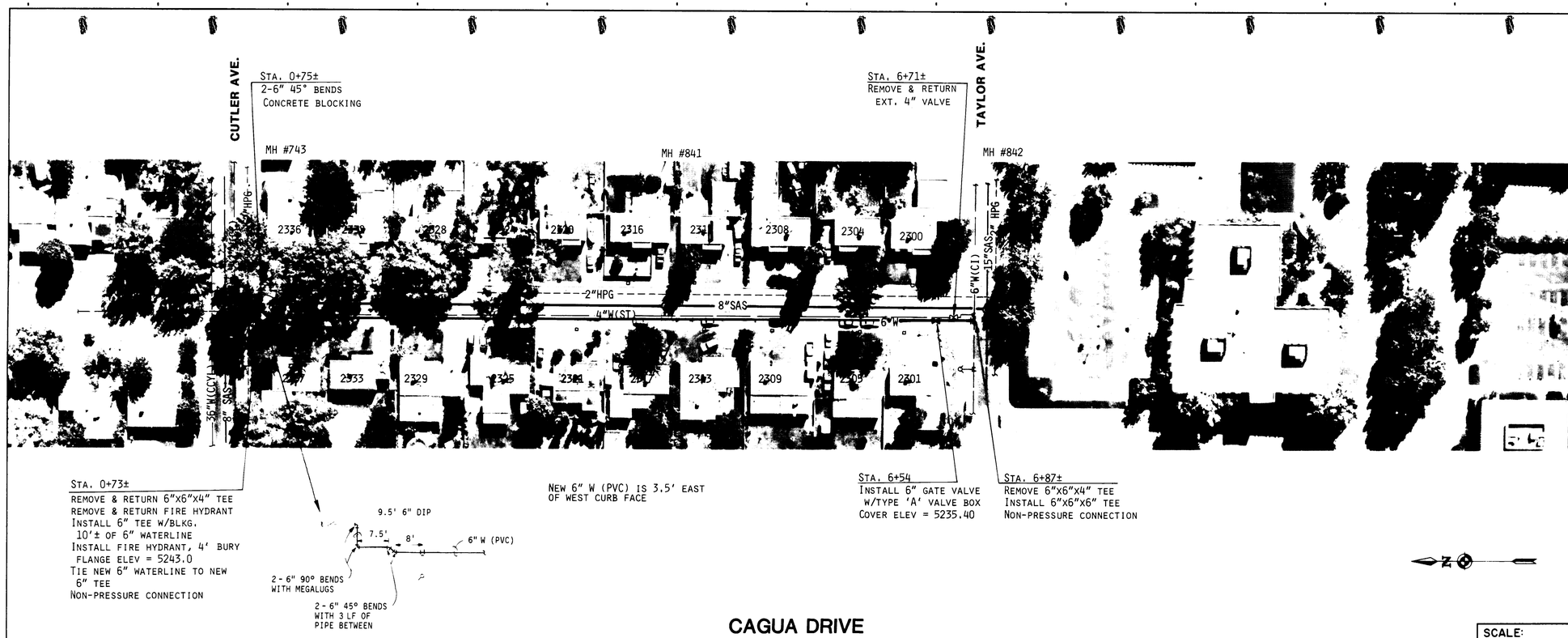
SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE
S.D.G. | 7/88

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR No. 3898 STATE OF NEW MEXICO THOMAS O. TRAUTNER
5-5-89

NO.	DATE	REMARKS	BY

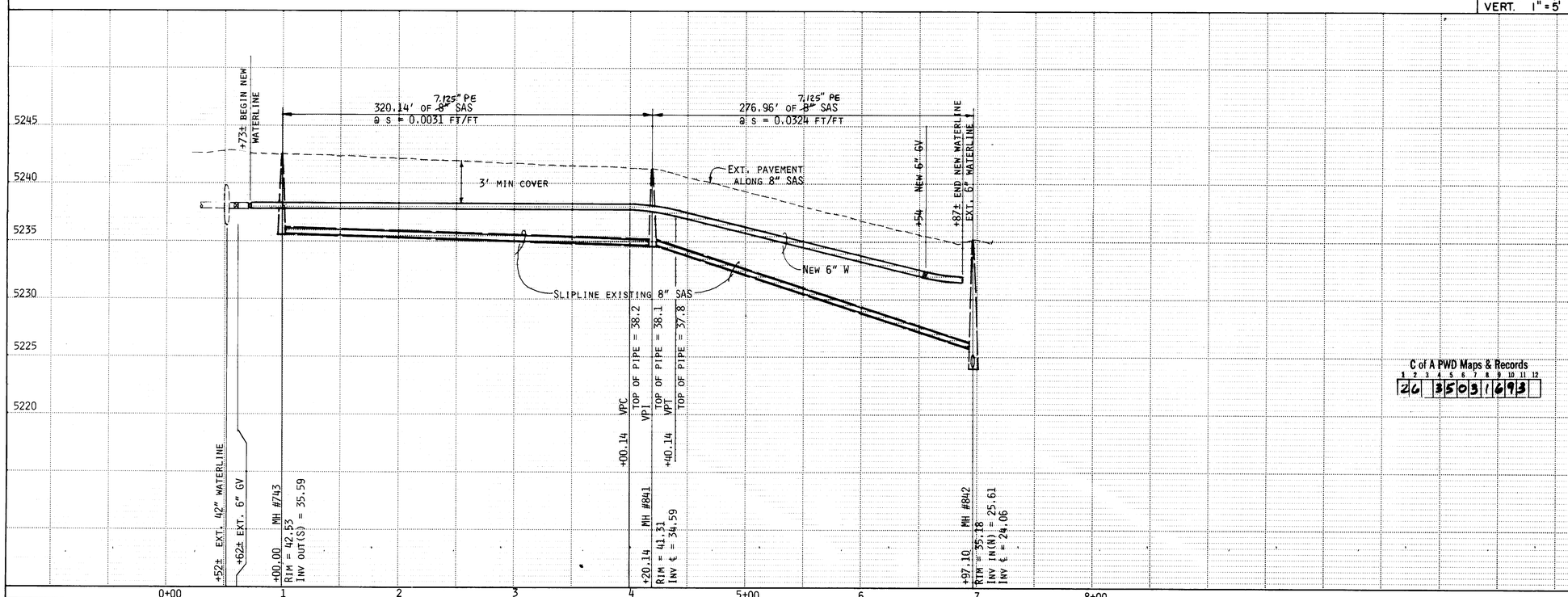
REVISIONS

		DATE
DESIGN		
DESIGNED BY	SMM	1/89
DRAWN BY	NA	1/89
CHECKED BY		DATE



CAGUA DRIVE

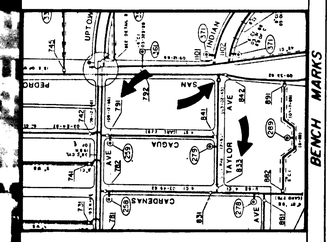
SCALE:
HORIZ. 1" = 50'
VERT. 1" = 5'



C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 5 0 3 1 6 9 3

NOTES

1. IF EXISTING FIRE HYDRANT AT STA. 0+73 IS CONNECTED TO THE MAIN WITH A 6" TEE AND 6" PIPE, THEN REMOVAL & REPLACEMENT NOTED FOR FIRE HYDRANT SHALL NOT BE REQUIRED.
2. THE CONTRACTOR SHALL REMOVE & DISPOSE OF THE EXISTING 4 INCH STEEL WATERLINE FROM STA. 0+73± TO STA. 6+87±.



WATER VALVE
SHUT-OFF PLAN

WATER SERVICE REHABILITATION

CAGUA ADDRESS	METER SIZE	1	2	3
2300	3/4"			X
2301	"	X	X	
2304	"			X
2305	"	X	X	
2308	"			X
2309	"	X	X	
2312	"			X
2313	"	X	X	
2316	"			X
2317	"	X	X	
2320	"			X
2321	"	X	X	
2324	"			X
2325	"	X	X	
2328	"			X
2329	"	X	X	
2332	"			X
2333	"	X		
2336	1"			X
2337	3/4"	X	X	

KEY:
1. SERVICE LINE TRANSFER
2. METER BOX RELOCATION & REPLACEMENT
3. SERVICE LINE REPLACEMENT

RECORD DRAWING

WARNING
This is part of a record document. Record documents are based on reports submitted by others. Engineers cannot assume nor assume any responsibility or liability for the accuracy of record documents. Users of record documents are cautioned and advised to obtain independent verification of actual conditions.

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL DATE 1990
WORK STAKED BY G. MARQUEZ
INSPECTED BY A. OSTAPACK DATE 3/90
FIELD VERIFICATION BY ALAN O. DATE 10/90
DRAWINGS CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BRASS CAP "13-H18" LOCATED AT THE SW QUADRANT OF THE INTERSECTION OF CUTLER AVE. WITH SAN PEDRO BLVD.
ELEVATION: 5248.55

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	SDG	7/88

ENGINEER'S SEAL
PROFESSIONAL ENGINEER & LAND SURVEYOR No. 3895 NEW MEXICO
5-5-89

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN
DESIGNED BY SMM DATE 10/88
DRAWN BY NA DATE 1/89
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
CAGUA DRIVE

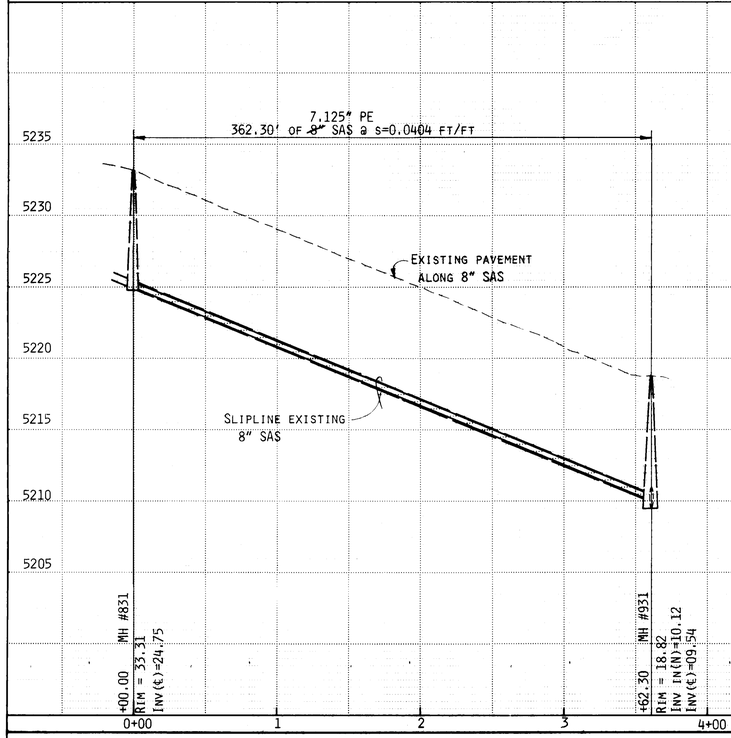
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			~~Liquid Waste~~		
Trans. Dev.	"		~~Traffic~~		
Utility Dev.			~~Water~~		

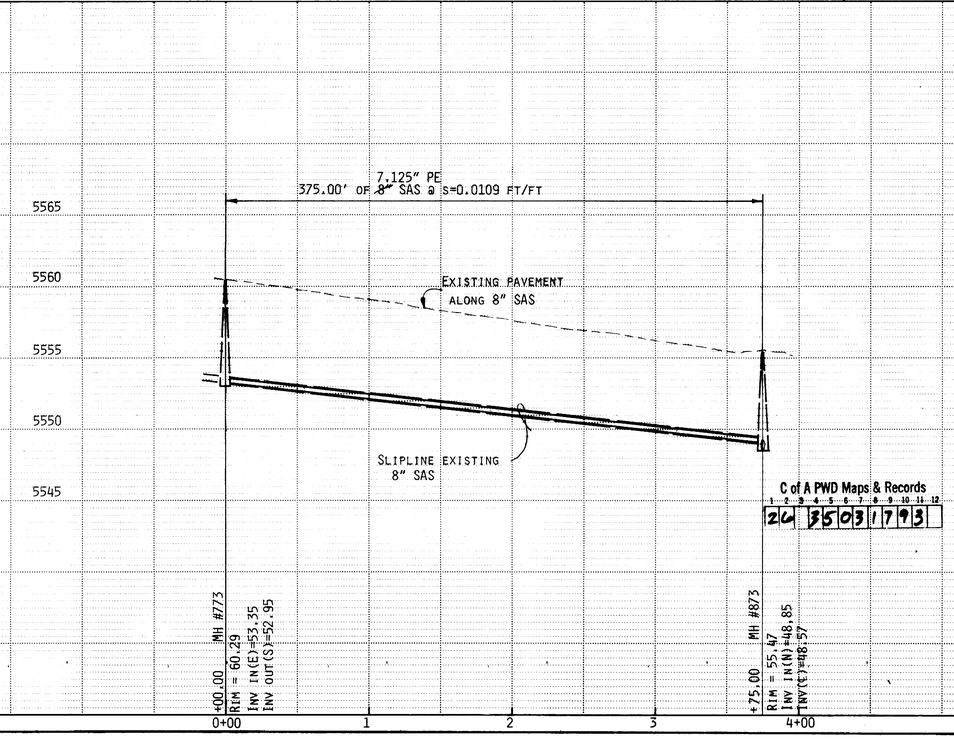
DRAWING NO. 3503 | MAP NO. H-18 | SHEET 16 OF 24

VALENCIA DRIVE

MARTHA STREET

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





C of A PWD Maps & Records
26 3503 1793

NOTES

1. No waterline replacement work is scheduled for either of the two areas shown on this sheet.
2. The manhole located at Euclid Ave. and Valencia Drive (MH #931) shall be plastered at the direction of the City Inspector - 100± SF.

RECORD DRAWING

WARNING
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Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA I
VALENCIA DRIVE & MARTHA STREET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			~~Liquid Waste~~		
Trans. Dev.	"	"	~~Traffic~~		
Utility Dev.			~~Water~~		

DRAWING NO. 3503 | MAP NO. H-18&21 | SHEET 17 OF 24

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR No. 5898 NEW MEXICO THOMAS O. ISAACSON
5.5.89

NO.	DATE	REMARKS	BY

REVISIONS

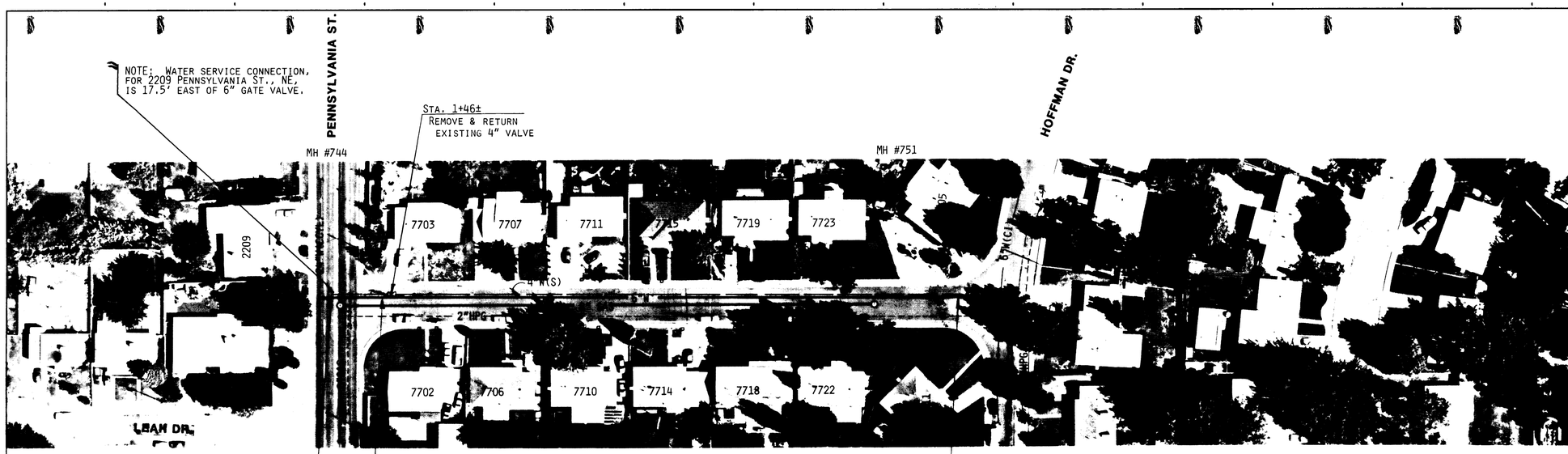
DESIGN		DATE
DESIGNED BY	SNM	1/89
DRAWN BY	NA	1/89
CHECKED BY		DATE

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
SURVEYOR'S ACCEPTANCE BY A. OSTAPACK DATE 4/90
FIELD VERIFICATION BY ALAN O. DATE 4/90
DRAWINGS CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

SURVEY INFORMATION

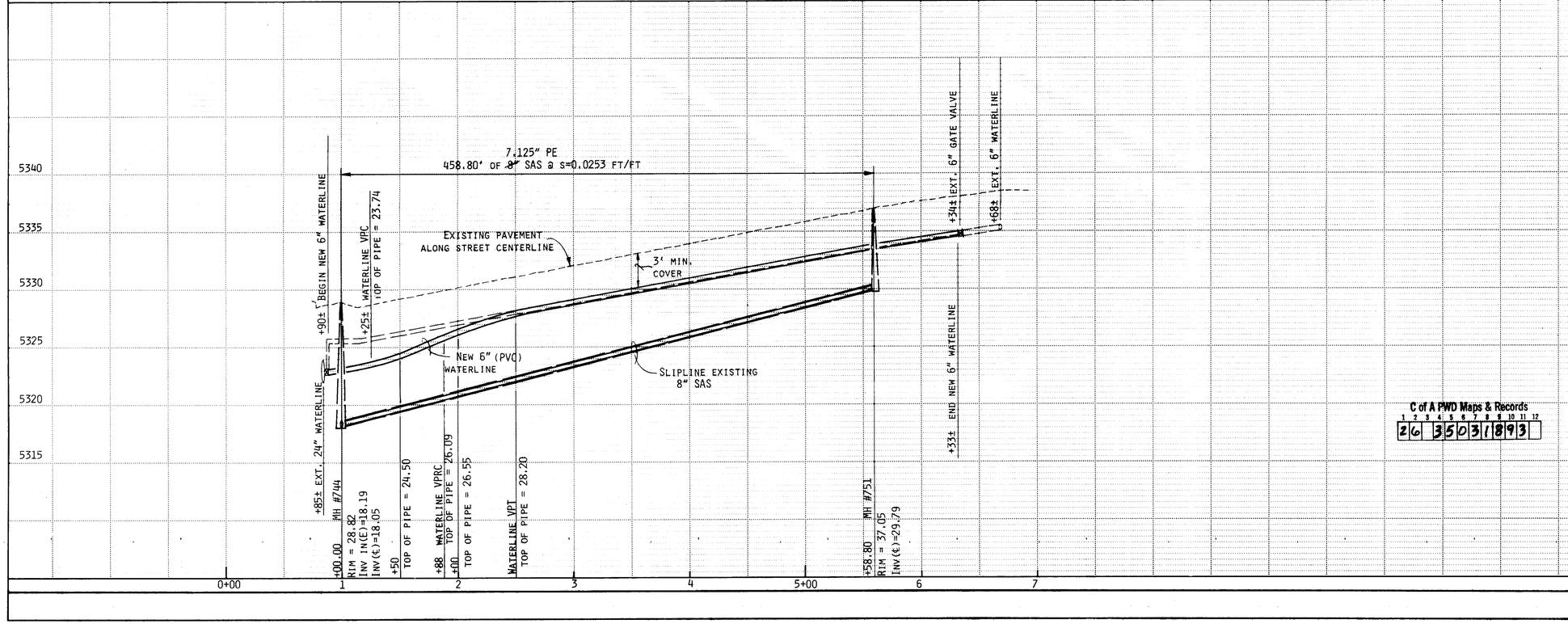
FIELD NOTES		
NO.	BY	DATE
	S.D.G.	7/88

BENCH MARKS
ACS BRASS CAP "13-H18" LOCATED AT THE SW QUADRANT OF THE INTERSECTION OF CUTLER AVE. WITH SAN PEDRO BLVD. NE
ELEVATION: 5248.55
ACS BM "3-H21", A SQUARE CHISELED IN THE WNW CURB RETURN AT THE INTERSECTION OF INDIAN SCHOOL ROAD WITH SHIRLEY ST. NE
ELEVATION: 5574.92



PENNSYLVANIA PLACE

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



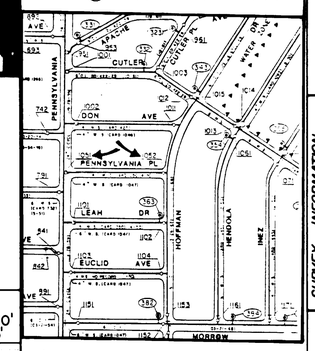
NOTES

1. THERE ARE TWO ACTIVE WATER SERVICES AT 7702 PENNSYLVANIA PLACE AS SHOWN.
2. ~~THE CONTRACTOR SHALL REMOVE &~~ DISPOSE OF THE ~~4"~~ STEEL WATERLINE ~~FROM STA. 0+90± TO STA. 6+33±.~~

WATER SERVICE REHABILITATION

PENN.PL. ADDRESS	METER SIZE	(1)	(2)	(3)
7702	1-½"	X	X	
7703	3/4"			X
7706	"	X	X	
7707	"			X
7710	"	X	X	
7711	"			X
7714	"	X	X	
7715	"			X
7718	1-½"	X	X	
7719	3/4"			X
7722	1-½"	X	X	
7723	3/4"			X

KEY:
(1) SERVICE LINE TRANSFER
(2) METER BOX RELOCATION & REPLACEMENT
(3) SERVICE LINE REPLACEMENT



WATER VALVE SHUT-OFF PLAN

RECORD DRAWING

WARNING
This is part of a record ... reports subm... any respons... Users of record ... independent vertical or ... results of assum... ... documents ... actual ...

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3503 1893

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1/88
INSPECTOR ACCEPTANCE BY A. OSTAPACK DATE 4/90
FIELD DRAWINGS CORRECTED BY ALAN O. DATE 11/90
I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BENCHMARK "2-H19" A SQUARE CHISELED IN THE TOP OF THE WNW CURB RETURN AT THE INTERSECTION OF INDIAN SCHOOL ROAD NE AND UTAH ST. NE.
ELEVATION: 5345.49

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	SDG	7/88

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR
THOMAS O. SMUDA
NEW MEXICO
No. 3998
5-5-89

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

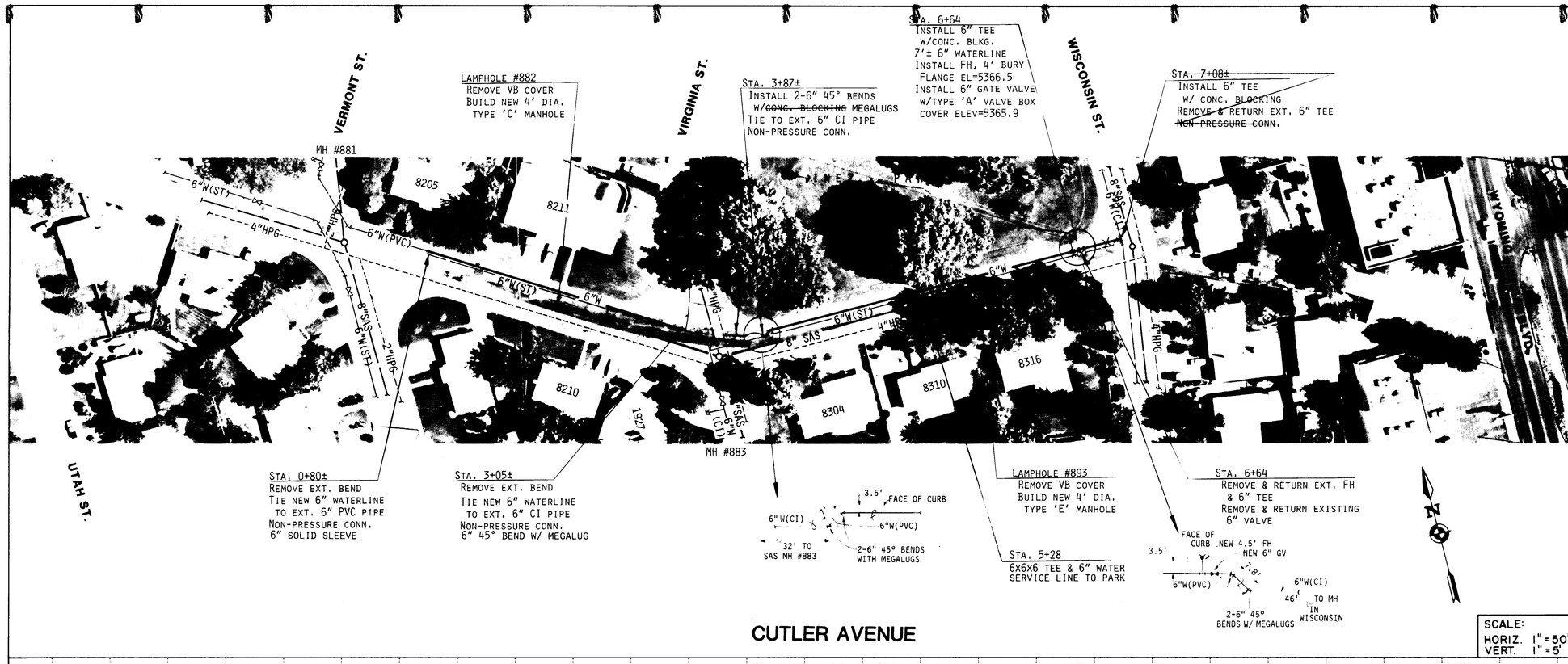
		DATE
DESIGNED BY	SMM	10/88
DRAWN BY	NA	1/89
CHECKED BY		DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
PENNSYLVANIA PLACE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			~~Liquid Waste~~		
Trans. Dev.			Traffic		
Utility Dev.			Water		

DRAWING NO. 3503 | MAP NO. H-19 | SHEET 18 OF 24



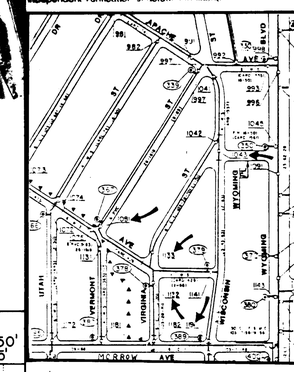
CUTLER AVENUE

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

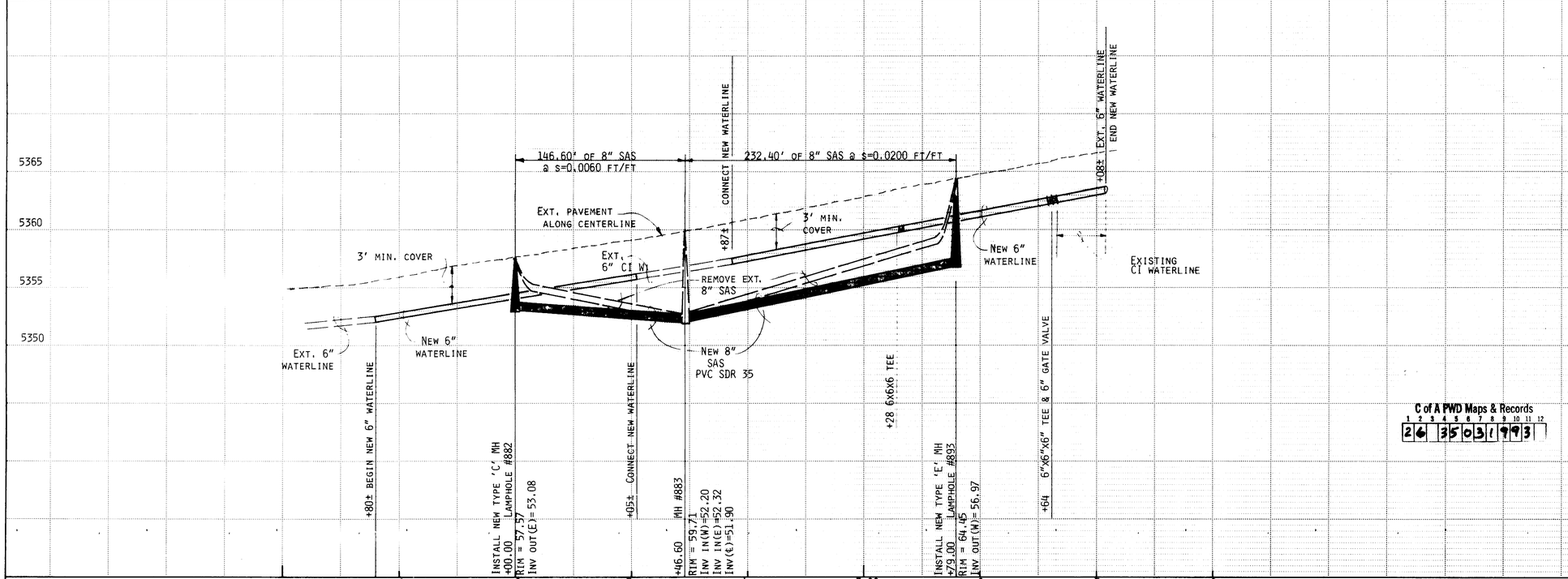
NOTES

1. THE REMOVAL OF THE VB COVERS AT THE LAMPHOLE ACCESS POINTS IS INCIDENTAL TO THE REMOVAL OF THE EXT. 8" SEWER AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
2. THE CONTRACTOR SHALL REMOVE THE EXISTING 6" STEEL WATERLINE FROM STA. 0+80± TO STA. 3+05± AND FROM STA. 3+87± TO STA. 7+08±.
3. ANY PARK FACILITIES DAMAGED BY THE CONTRACTOR SHALL BE RESTORED AT NO EXPENSE TO THE CITY.

WARNING
This is part of a record document. [illegible] documents are based on reports submitted [illegible] any reason [illegible] Jears [illegible] independent verification of actual [illegible]



WATER VALVE
SHUT-OFF PLAN



WATER SERVICE REHABILITATION

CUTLER ADDRESS	METER SIZE	①	②	③
8210	3/4"			X
8211	"	X	X	
8304	1-½"			X
8310	3/4"			X
8316	"			X

KEY: ① SERVICE LINE REPLACEMENT
② METER BOX RELOCATION & REPLACEMENT
③ SERVICE LINE REPLACEMENT

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3503 1993

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
CUTLER AVENUE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			~~Liquid Waste~~		
Trans. Dev			~~Traffic~~		
Utility Dev			~~Water~~		

DRAWING NO. 3503 | MAP NO. H-19 | SHEET 19 OF 24

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR
STATE OF NEW MEXICO
No. 3995
SHERRY O. SMITH

NO.	DATE	REMARKS	BY

REVISIONS

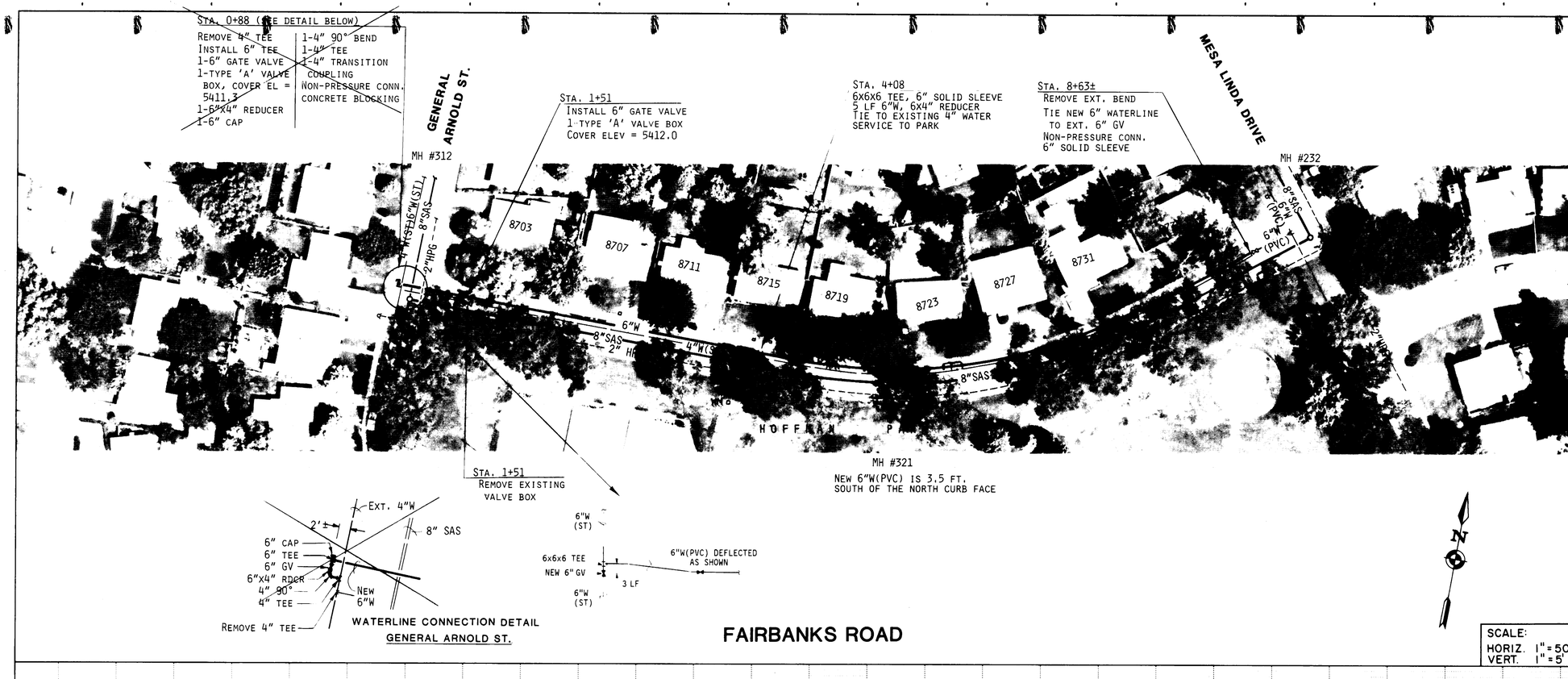
		DATE
DESIGNED BY	SNM	10/88
DRAWN BY	NA	1/89
CHECKED BY		DATE

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL DATE 1990
STAMPED BY G. MARQUEZ
INSPECTOR'S ACCEPTANCE BY A. OSTAPACK DATE 1/91
FIELD VERIFICATION BY ALAN O. DATE 1/91
DRAWING CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BENCHMARK "2-H19", A SQUARE CHISELED IN THE TOP OF THE WNW CURB RETURN AT THE INTERSECTION OF INDIAN SCHOOL RD & UTAH ST. NE
ELEVATION: 5345.49

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	S.D.G.	7/88



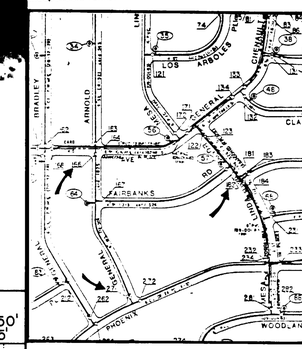
SCALE:
HORIZ. 1" = 50'
VERT. 1" = 5'

NOTES

1. THE CONTRACTOR SHALL REMOVE & DISPOSE OF THE EXISTING 4" STEEL WATERLINE FROM STA. 0+90± TO STA. 8+63±.

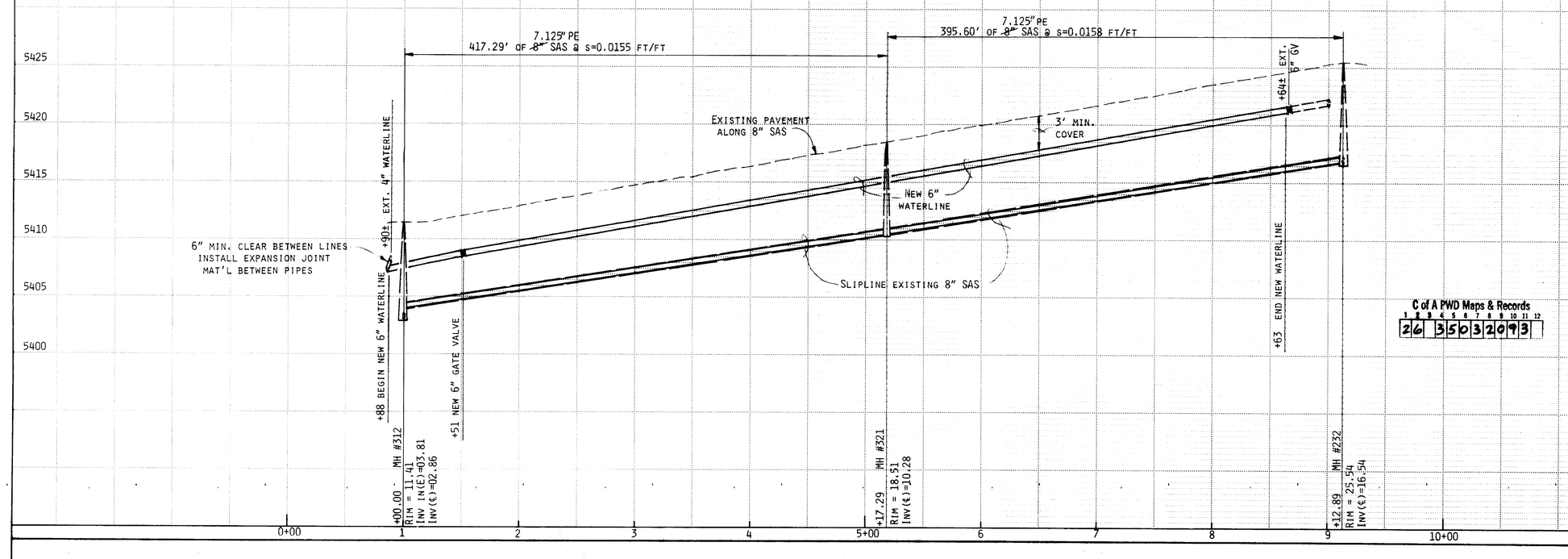
RECORD DRAWING

WARNING
This is part of a record document. Record documents are based on reports submitted by [illegible] assume any responsibility [illegible] Users of record documents are advised to obtain independent verification of actual conditions



WATER VALVE SHUT-OFF PLAN

N



C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3503 2093

WATER SERVICE REHABILITATION

FAIRBANKS ADDRESS	METER SIZE	(1)	(2)	(3)
8703	1-¼"			X
8707	"	X	X	
8711	3/4"	X	X	
8715	"			X
8719	"	X	X	
8723	1-¼"	X	X	
8727	3/4"	X		
8731	"			X
8735	"	X	X	

KEY: (1) SERVICE LINE TRANSFER
(2) METER BOX RELOCATION & REPLACEMENT
(3) SERVICE LINE REPLACEMENT

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTOR'S ACCEPTANCE BY A. OSTAPACK DATE 90-91
FIELD VERIFICATION BY ALAN O. DATE 91-91
DRAWINGS CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BM "6-620", A SQUARE CHISELED IN THE WNW CURB RETURN AT THE INTERSECTION OF CANDELARIA RD. WITH GENERAL STILLWELL ST. NE
ELEVATION: 5430.01

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	S.D.G.	7/88

ENGINEER'S SEAL
PROFESSIONAL ENGINEER & LAND SURVEYOR No. 3895 NEW MEXICO
S.S.89

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	SMM	1/89
DRAWN BY	NA	1/89
CHECKED BY		DATE

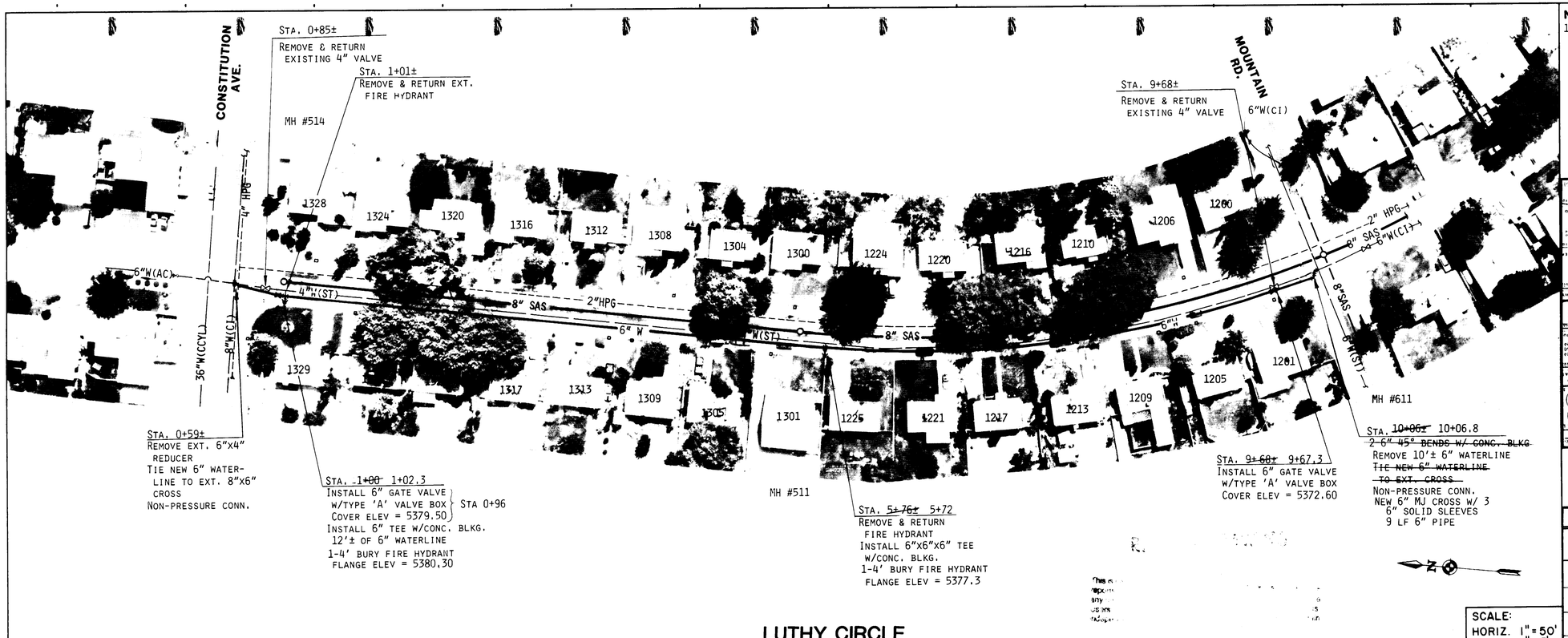
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA I

FAIRBANKS ROAD

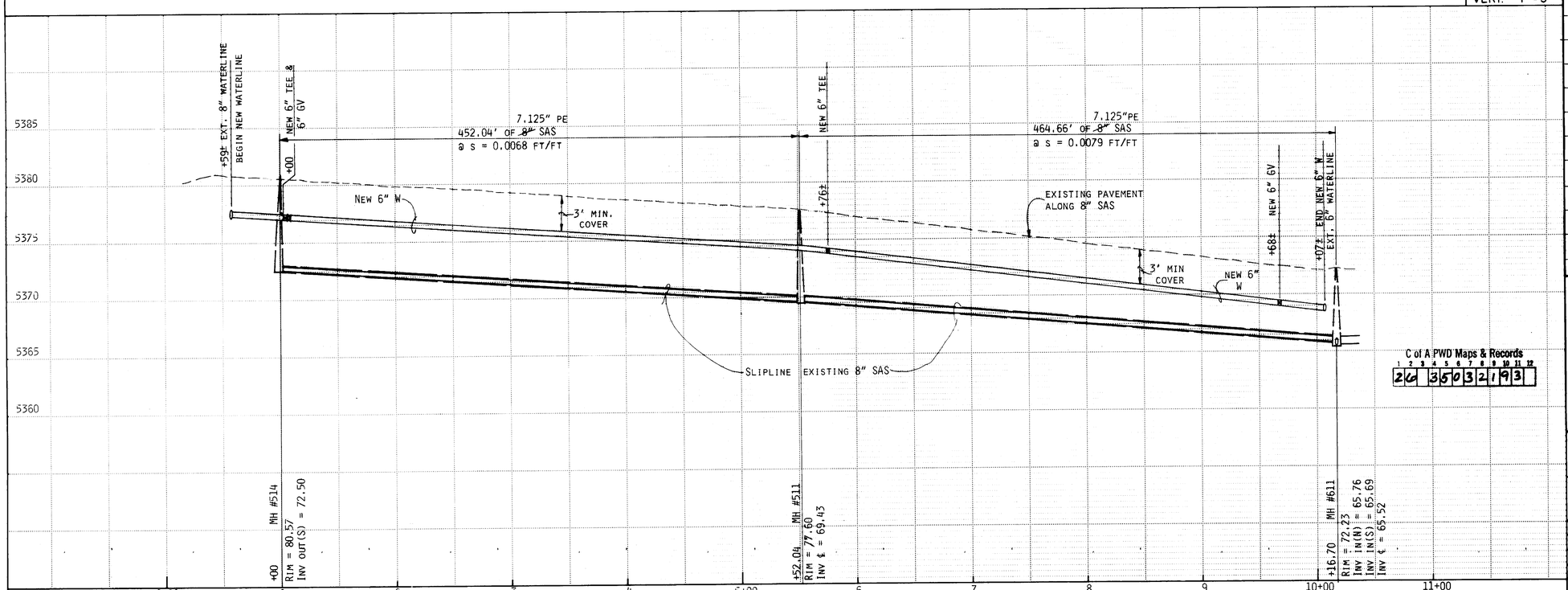
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			~~Liquid Waste~~		
Trans. Dev.			Traffic		
Utility Dev.			Water		

DRAWING NO. 3503 | MAP NO. H-20 | SHEET 20 OF 24



LUTHY CIRCLE

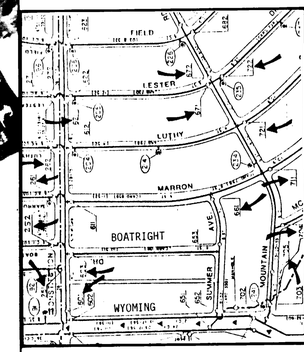
SCALE:
HORIZ. 1" = 50'
VERT. 1" = 5'



C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3503 2 1 9 3

NOTES

1. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING 4-INCH STEEL WATERLINE FROM STA. 0+59± TO STA. 10+06±.



WATER VALVE SHUT-OFF PLAN

N

WATER SERVICE REHABILITATION

LUTHY ADDRESS	METER SIZE	1	2	3
1200	3/4"			X
1201	"	X	X	
1205	"	X	X	
1206	"			X
1209	"	X	X	
1210	"			X
1213	"	X	X	
1216	"			X
1217	"	X	X	
1220	"			X
1221	"	X		
1224	"			X
1225	"	X	X	
1300	"			X
1301	"	X	X	
1304	"			X
1305	"	X	X	
1308	"			X
1309	"	X	X	
1312	"			X
1313	"	X	X	
1316	"			X
1317	"	X	X	
1320	"			X
1321	"	X	X	
1324	"			X
1325	"	X		
1328	"			X
1329	1-½"			

KEY:
1. SERVICE LINE TRANSFER
2. METER BOX RELOCATION & REPLACEMENT
3. SERVICE LINE REPLACEMENT

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTORS ACCEPTANCE BY T. ARCHULETA DATE 2/90
FIELD VERIFICATION BY TONY A. DATE 2/90
DRAWINGS CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS BRASS CAP "5-120" SET BEHIND THE SIDEWALKS AT THE NW QUADRANT OF THE INTERSECTION OF CONSTITUTION AVE., NE AND ROON ST., NE
ELEVATION: 5410.93

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	S.D.G.	7/88

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR No. 5895 NEW MEXICO THOMAS O. TAYLOR
5.5.89

NO.	DATE	REMARKS	BY
		REVISIONS	

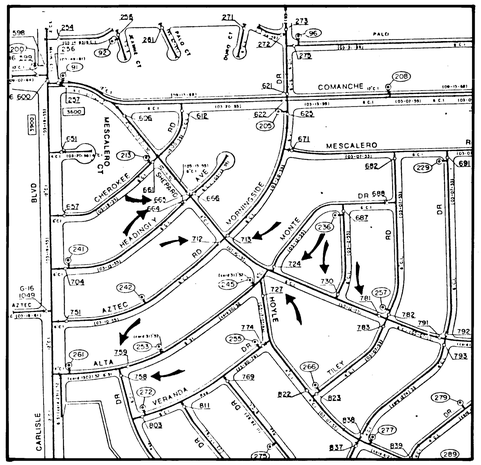
DESIGN
DESIGNED BY SMM DATE 10/88
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
LUTHY CIRCLE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			~~Liquid Waste~~		
Trans. Dev.	"	"	Traffic		
Utility Dev.			Water		

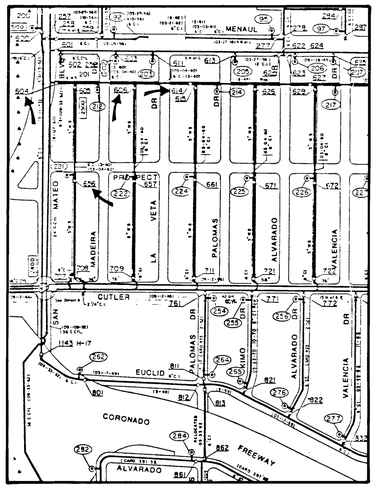
DRAWING NO. 3503 | MAP NO. J-20 | SHEET 21 OF 24



ALTA MONTE DRIVE

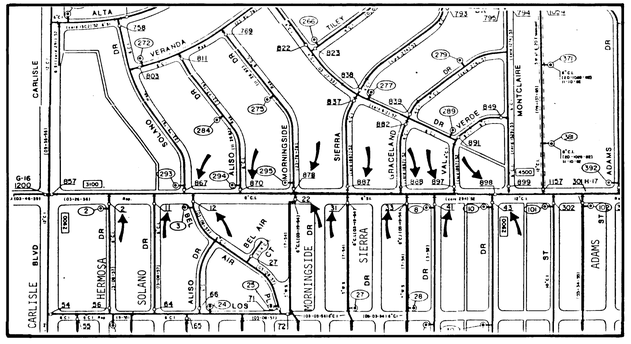
WATER VALVE SHUT-OFF PLAN

NOTE: 6" PRESSURE CONNECTION REQUIRED TO 12 CI PIPE IN CARLISLE.



SAN MATEO EAST ALLEY

WATER VALVE SHUT-OFF PLAN



CANDELARIA ROAD

WATER VALVE SHUT-OFF PLAN

NOTE: 12" PRESSURE CONNECTION REQUIRED TO 12" CI PIPE IN CARLISLE.

RECORD DRAWING

WARNING

This is part of a record document. Record documents are based on reports submitted [illegible] to assume responsibility for accuracy of record documents. Users of record documents are cautioned and advised to obtain independent verification of actual conditions.

C of A PWD Maps & Records

26 3503 2293

AS BUILT INFORMATION

CONTRACTOR SUNDANCE MECHANICAL

WORK STAKED BY G. MARQUEZ DATE 1990

INSPECTORS ACCEPTANCE by A. OSTAPACK DATE 90-91

FIELD VERIFICATION BY ALAN O. DATE 90-91

DRAWINGS CORRECTED BY I & A DATE 8/91

MICRO-FILM INFORMATION

RECORDED BY DATE

NO

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR No. 3898 STANLEY O. TRUJILLO NEW MEXICO

5-5-89

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY DATE

DRAWN BY DATE

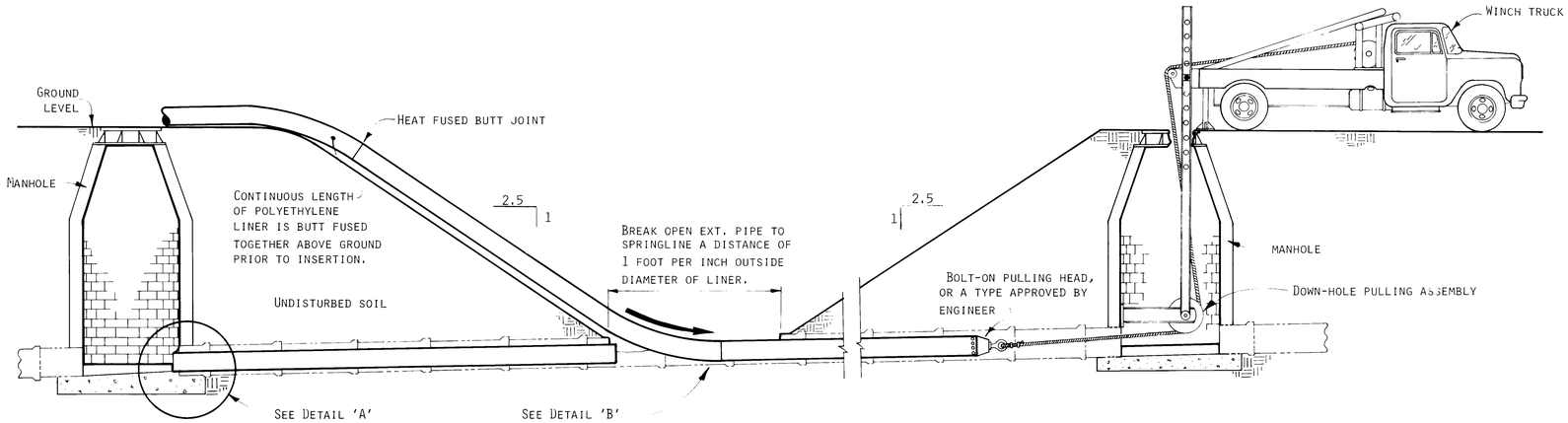
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY 88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
WATER VALVE SHUT-OFF PLANS
FOR SP-2,3, & 7

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger L. Thom	5/24/89			
Trans. Dev	"	"			
Utility Dev	[illegible]	5/24/89			
[illegible]	[illegible]	5/24/89			

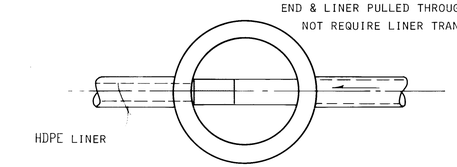
DRAWING NO. 3503 | MAP NO. | SHEET 22 OF 24



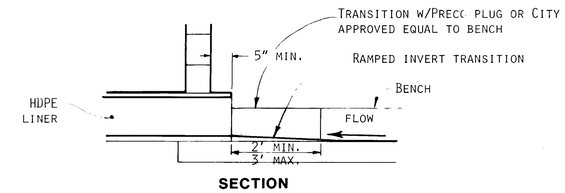
TYPICAL MID-LINE INSERTION SECTION

NO SCALE

LINER TRANSITION: PRECO PLUG OR CITY APPROVED EQUAL TO BE INSTALLED AT UPSTREAM END OF HDPE LINER. DOWNSTREAM END & LINER PULLED THROUGH MANHOLE WILL NOT REQUIRE LINER TRANSITION.



PLAN



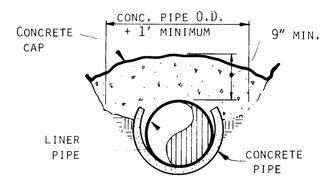
SECTION

LINER TRANSITION AT UPSTREAM MANHOLE

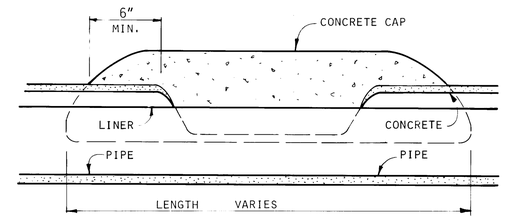
NO SCALE

GENERAL NOTES

1. INSERTION HOLES AT MANHOLES MUST BE CORE DRILLED.
2. JOINTS AT MID-LINE INSERTION PITS SHALL BE MADE USING WRAP AROUND CLAMP COUPLINGS (SUPERIOR STYLE 121 OR CITY APPROVE EQUAL). ALL OTHER JOINTS SHALL BE MADE BY BUTT FUSION.
3. AFTER PULLING THE LINER PIPE INTO PLACE, THE CONTRACTOR SHALL ALLOW AT LEAST 12 HOURS FOR PIPE CONTRACTION BEFORE TRIMMING PIPE ENDS AND SEALING ANNULAR SPACE AT MANHOLES.
4. CITY APPROVED TAPPING SADDLES SUITABLE FOR USE ON POLYETHYLENE LINER PIPE, WITH STAINLESS STEEL STRAPS, SHALL BE USED TO RECONNECT SERVICE LINES TO STREET MAINS. SERVICE LINES SHALL BE REINSTALLED AS REQUIRED TO COMPLETE THE CONNECTION OF SERVICE LINES TO MAINS.
5. SERVICE LINE ELBOW DEFLECTIONS SHALL BE A MAXIMUM OF 45° AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2134.



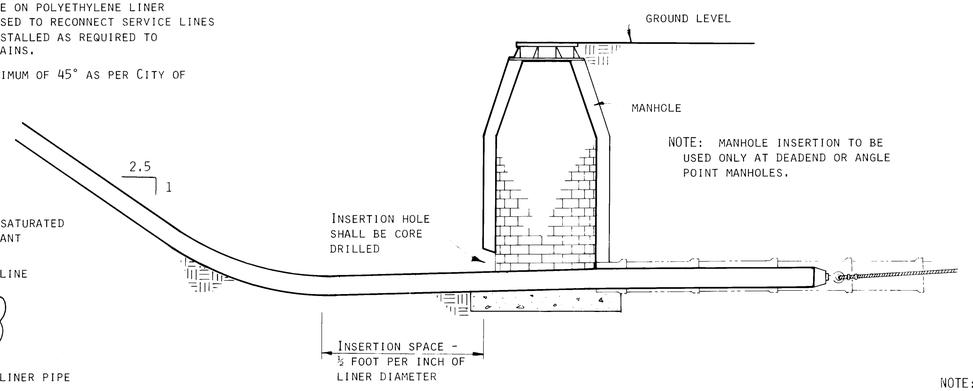
TRANSVERSE SECTION



LONGITUDINAL SECTION

CONCRETE POINT REPAIR

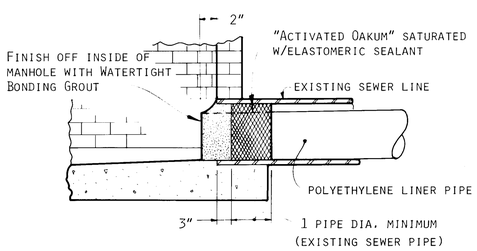
NO SCALE



NOTE: MANHOLE INSERTION TO BE USED ONLY AT DEADEND OR ANGLE POINT MANHOLES.

TYPICAL MANHOLE INSERTION SECTION

NO SCALE



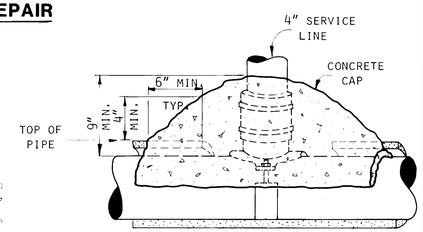
DETAIL 'A'-MANHOLE WALL CONNECTION

NO SCALE

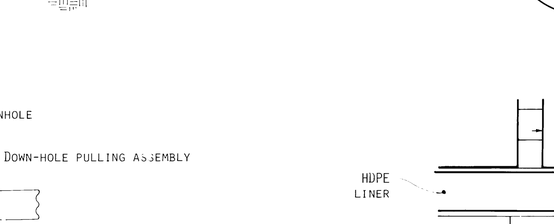
RECORD DRAWING

WARNING

This is part of a [illegible] documents are based on [illegible] Users of record documents are cautioned and advised to obtain independent verification of actual conditions



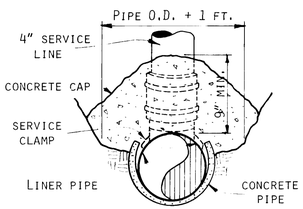
LONGITUDINAL SECTION



NOTE: THIS TYPE INVERT TO BE USED EXCLUSIVELY IN MANHOLES W/3 OR MORE LINES & AT DOWNSTREAM ENDS OF LINER INSTALLATIONS.

PLAN VIEW OF MANHOLE W/CONCRETE INVERT

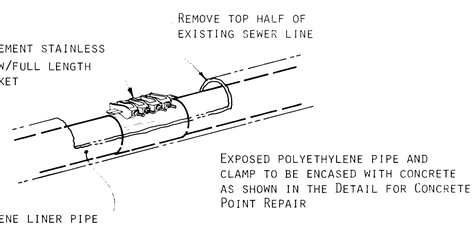
NO SCALE



TRANSVERSE SECTION

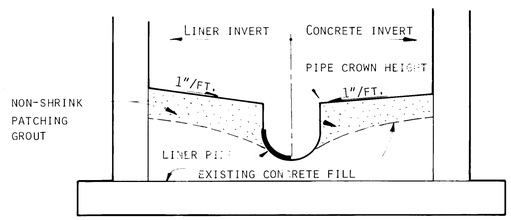
SERVICE CONNECTION

NO SCALE



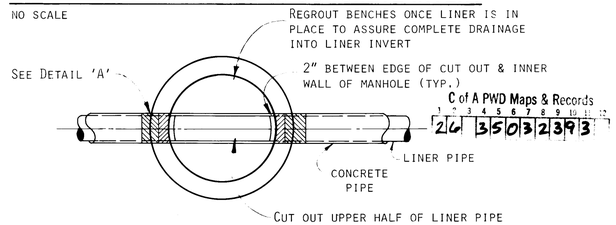
DETAIL 'B'-INSERTION PIT CONNECTION

NO SCALE



MANHOLE INVERT REHABILITATION

NO SCALE



C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 5 0 3 2 3 9 3

NOTE: THIS TYPE OF INVERT FOR PULL-THROUGH MANHOLES OR MANHOLES WITH ONLY TWO LINES.

PLAN VIEW OF MANHOLE W/LINER INVERT

NO SCALE

AS BUILT INFORMATION
CONTR. THE SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTOR'S ACCEPTANCE BY A. OSTAPACK DATE 90-91
FIELD VERIFICATION BY ALAN O. DATE 90-91
CARTOGRAPHIC CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER LAND SURVEYOR STATE OF NEW MEXICO No. 3595
5-5-89

NO.	DATE	REMARKS	BY
		REVISIONS	

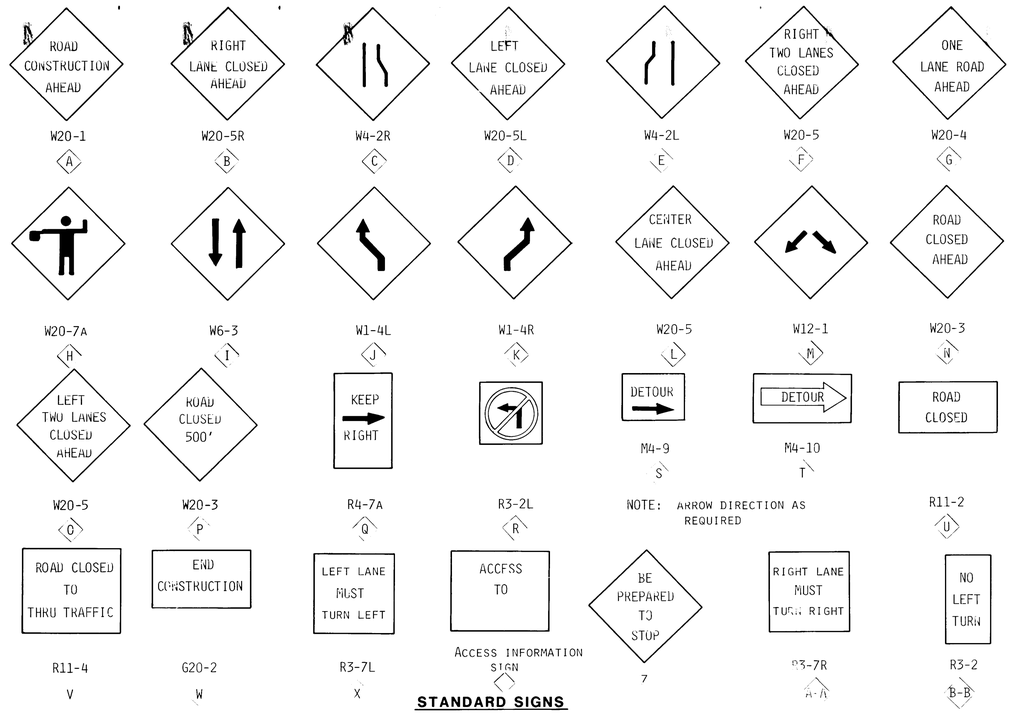
DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
FY88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II
DETAIL SHEET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engr.	Roger L. Stein	5/24/89	~~Liquid Waste~~		
ACE Design	"	"	Traffic	Roger L. Stein	5/24/89
ACE Hydrology	"	"	~~Water~~		
Const. Div.	[illegible]	5/24/89			

DRAWING NO. 3503 | MAP NO. | SHEET 23 OF 24



STANDARD SIGNS

NO SCALE

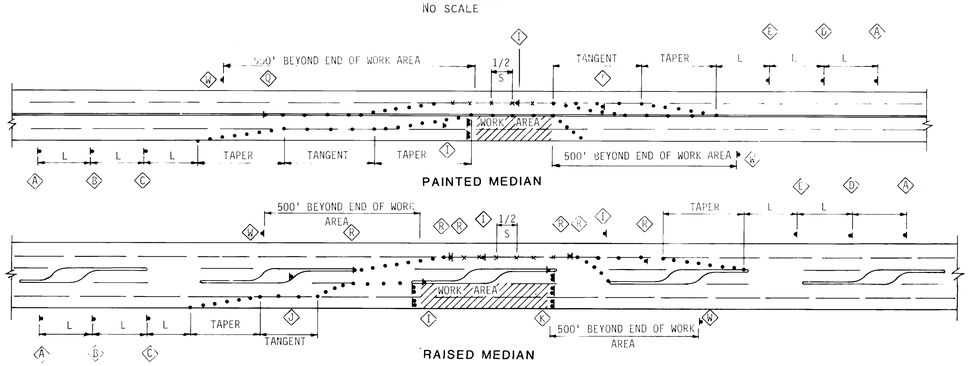
TAPER REQUIREMENTS					
SPEED LIMIT (MPH)	TAPER LENGTH (FEET) 10' LANE	11' LANE	12' LANE	MAXIMUM DISTANCE BETWEEN DEVICES (FEET)	MINIMUM NUMBER OF DEVICES REQUIRED
25	104	115	125	25	6
30	150	165	185	30	7
35	204	225	245	35	8
40	267	293	320	40	9
45	450	495	540	45	13
50	500	550	600	50	13
55	550	605	660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

LEGEND

- WORK AREA
- R 2 — TRAFFIC SIGN & QUANTITY (SEE THIS SHEET FOR DESIGNATION)
- • BARRICADE-TYPE I, TYPE II, OR BARREL
- BARRICADE-TYPE III
- x VERTICAL PANEL
- WARNING SIGN
- L — DISTANCE BETWEEN SIGNS-A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- S — SPACING BETWEEN BARRICADES-A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET

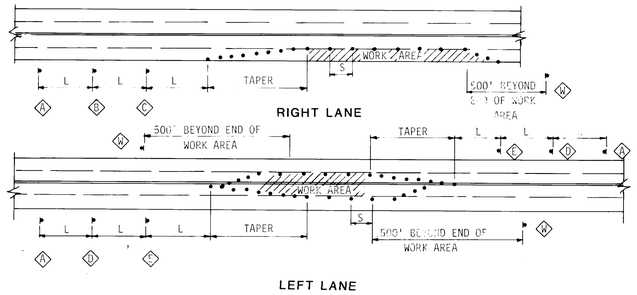
TAPER LENGTH-SEE CHART ABOVE

TANGENT LENGTH-IS EQUAL TO HALF TAPER LENGTH FOR A GIVEN STREET



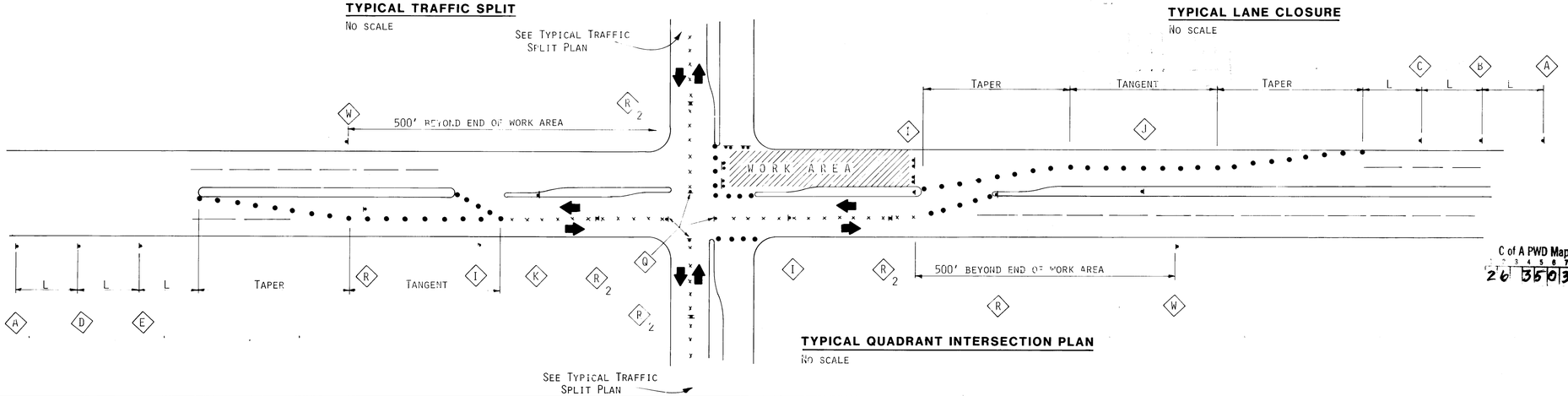
TYPICAL TRAFFIC SPLIT

NO SCALE



TYPICAL LANE CLOSURE

NO SCALE



TYPICAL QUADRANT INTERSECTION PLAN

NO SCALE

GENERAL NOTES

1. CONTRACTOR SHALL ADHERE TO SECTION 19 OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986.
2. ACCESS TO EACH PRIVATE RESIDENCE OR BUSINESS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT SHALL BE MAINTAINED AT ALL TIMES.
3. CONTRACTOR'S HOURS OF OPERATION SHALL BE BETWEEN THE HOURS OF 8:30 AM AND 4:00 PM, SEVEN (7) DAYS A WEEK ON ALL COLLECTOR AND ARTERIAL STREETS.
4. CONTRACTOR MUST MAINTAIN TWO WAY TRAFFIC ON COLLECTOR AND ARTERIAL STREETS.
5. LANE CHANGES SHALL NOT BE MADE WHILE PASSING THROUGH AN INTERSECTION.
6. IF A TRAFFIC SPLIT IS REQUIRED, CONTRACTOR SHALL NOTIFY A TRAFFIC ENGINEER.
7. AT A SIGNALIZED INTERSECTION, ALL LEFT TURNS SHALL BE PROHIBITED. CONTRACTOR SHALL BE LIMITED TO TWO (2) WORKING DAYS IN A SIGNALIZED INTERSECTION.
8. IF CONTRACTOR PLACES VEHICLE IN ROADWAY, VEHICLE WILL ONLY OCCUPY ONE LANE, BETWEEN THE HOURS OF 8:30 AM AND 4:00 PM FOR A MAXIMUM OF TWO (2) DAYS.
9. CONTRACTOR SHALL NOT OCCUPY ANY NON-SIGNALIZED INTERSECTION FOR MORE THAN THREE (3) DAYS.
10. AT NO TIME SHALL ANY RESIDENTIAL STREET OR COLLECTOR STREET BE CLOSED.
11. ON ALL RESIDENTIAL STREETS, ONE LANE OF TRAFFIC MUST BE MAINTAINED AT ALL TIMES.
12. TYPICAL TRAFFIC CONTROL PLANS SHOWN ON THIS SHEET ARE SCHEMATIC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE DETAILED PLANS PREPARED FOR EACH SITE IN ACCORDANCE WITH THE FIELD CONDITIONS PRESENT AT THE PROJECT SITES & SECTION 19 OF THE SPECIFICATIONS REFERENCED ABOVE.
13. ALL WORK ON CARLISLE AND PENNSYLVANIA SHALL BE ACCOMPLISHED DURING SATURDAYS AND SUNDAYS.
14. CONTRACTOR SHALL COMPLY WITH SECTION SP-3 OF THE SPECIFICATIONS REGARDING CONSTRUCTION WORK AFFECTING CANDELARIA, CARLISLE, PENNSYLVANIA, CONSTITUTION, AND COMANCHE STREETS.
15. CONTRACTOR SHALL CONTACT CITY BARRICADE ENGINEER @ 768-2551 TO OBTAIN A BARRICADE PERMIT PRIOR TO OCCUPYING AN INTERSECTION OR STARTING CONSTRUCTION AT A NEW SITE.

RECORD DRAWING

WARNING

This is not a record document. Record documents are based on ... cannot assure nor assume ... of record documents. Users of record documents are cautioned and advised to obtain independent verification of actual conditions

AS BUILT INFORMATION
CONTRACTOR SUNDANCE MECHANICAL
WORK STAKED BY G. MARQUEZ DATE 1990
INSPECTORS ACCEPTANCE BY A. OSTAPACK DATE 90-91
FIELD VERIFICATION BY ALAN O. DATE 90-91
DRAWINGS CORRECTED BY I & A DATE 8/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 3595 STANLEY D. TRUJILLO NEW MEXICO
5-24-89

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: FY 88-89 WATERLINE & SEWERLINE RENEWAL PROGRAM, AREA II

TRAFFIC CONTROL PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		5-24-89			
Trans. Dev.					
Utility Dev.	PEGO	5/24/89			

DRAWING NO. 3503 | MAP NO. | SHEET 24 OF 24

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