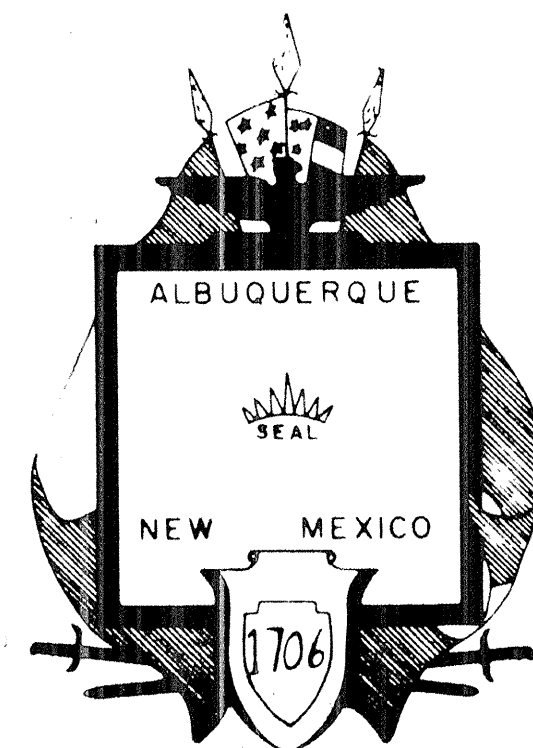




CITY OF ALBUQUERQUE, NEW MEXICO
WATER RESOURCES DEPARTMENT

CONTRACT 4
SOUTH VALLEY PHASE I PRIORITY II
SEWER SYSTEM IMPROVEMENTS

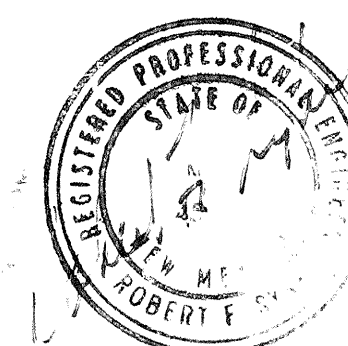
E.P.A. PROJECT NO. C-35-1076-02-0

DESIGN PARTIALLY FUNDED BY E.I.D. AND E.P.A.

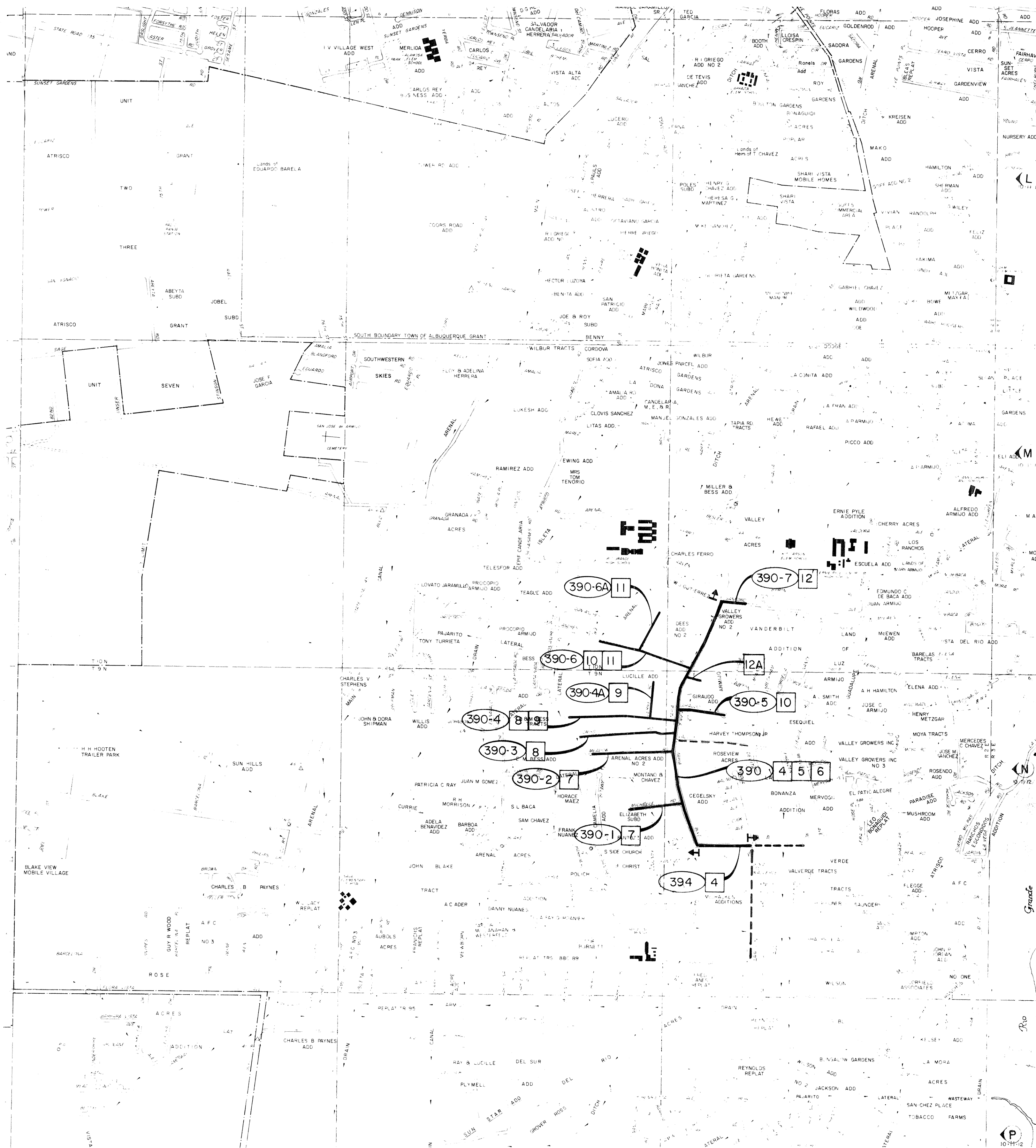
INDEX

<u>SHEET</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	LOCATION MAP, LEGEND & GENERAL NOTES
3	DETAIL SHEET
4 - 12 A	PLAN & PROFILE
13	SUMMARY OF QUANTITIES
14	SEWER SERVICE CONNECTIONS

WILSON & COMPANY ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO



APPROVED FOR
CONSTRUCTION
WRD CHIEF ENGINEER
DATE



CONTRACT 4

LOCATION MAP LEGEND
390-7
7
PROJECT SIGN
EXISTING SEWER, SOUTH VALLEY
PHASE 1, PRIORITY 1, CONTRACT 3

EXISTING IMPROVEMENTS

- G GAS
- W WATER
- S SANITARY SEWER
- MH MANHOLE
- WV WATER VALVE
- WM WATER METER
- FH FIRE HYDRANT
- GM GAS METER
- UT BURIED TELEPHONE LINE
- UTP TELEPHONE PEDESTAL

PLAN AND PROFILE

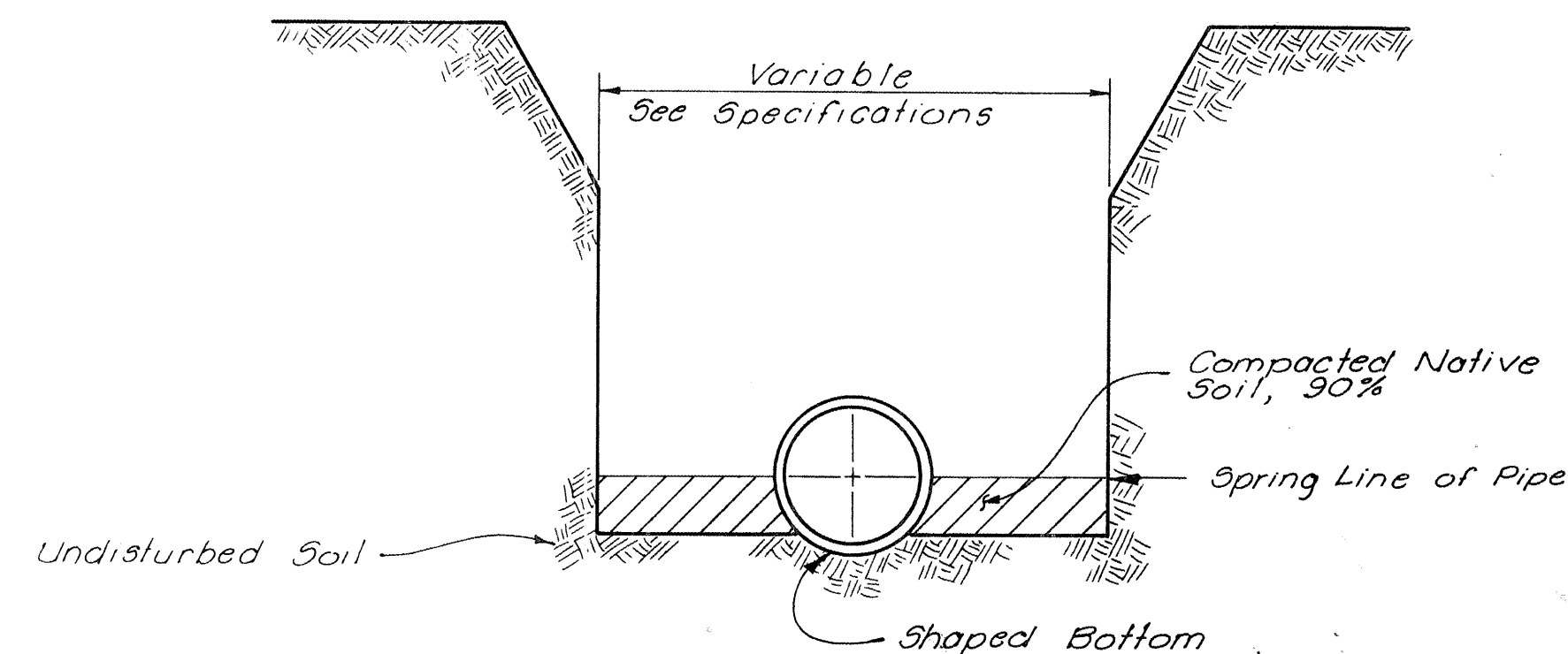
- (C) CONSTRUCT
- LB LEFT BASE LINE
- RB RIGHT BASE LINE
- BASELINE
- (R) REMOVE
- MANHOLE
- TH 8'-59" TEST HOLE BORING NO.
- BM 013 BENCH MARK
- GW GROUND WATER DEPTH (NOTE NO. 13)

GENERAL NOTES

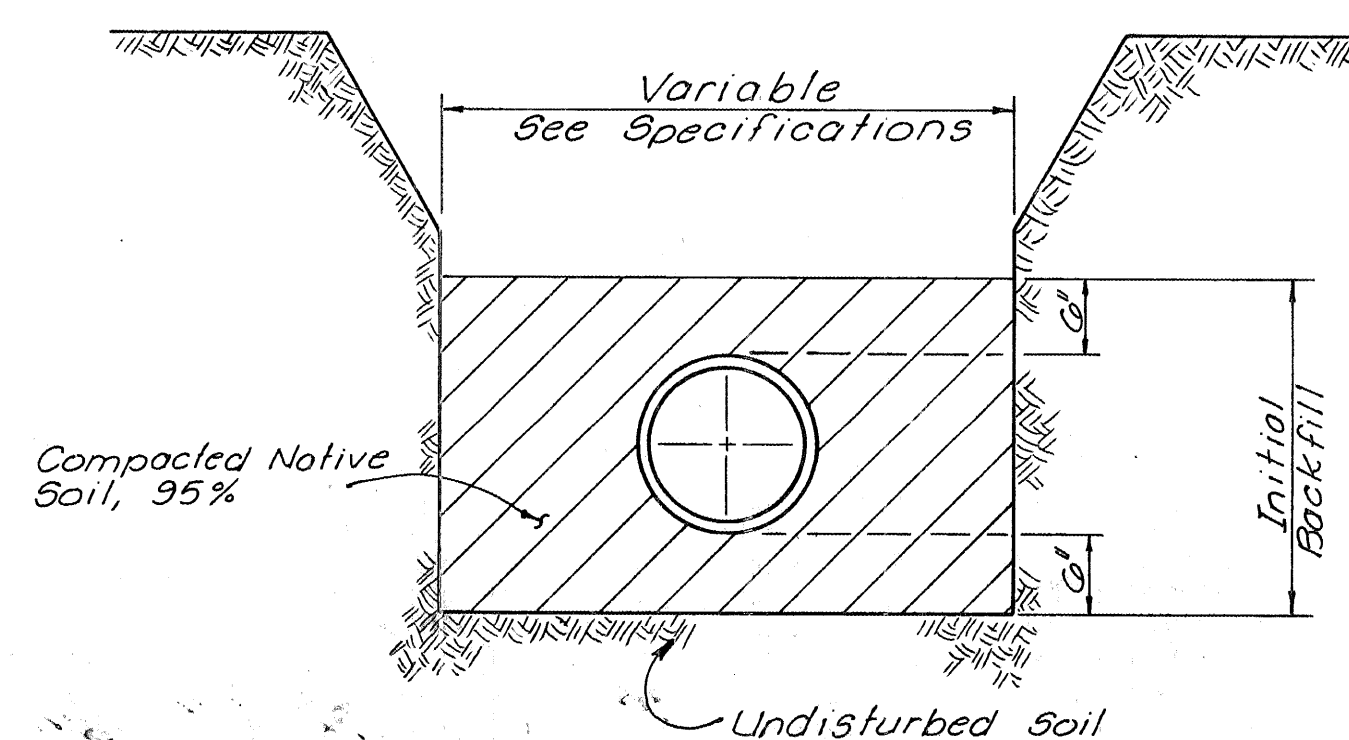
- THE LOCATION OF ALL EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING FINAL UTILITY LOCATION DETERMINATION IN THE FIELD DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BY CALLING "BLUESTAKES" AT 765-1234 AT LEAST 48 HOURS PRIOR TO COMMENCING WORK IN ANY PART OF THE PROJECT AREA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND MAINTAINING IN SERVICE ALL EXISTING UTILITIES.
- WHEN IN THE OPINION OF THE ENGINEER, FIELD CONDITIONS REQUIRE THE RELOCATION OF EXISTING WATER LINES, THE ENGINEER SHALL DIRECT THE CONTRACTOR TO RELOCATE SAME. THOSE WATER LINES INDICATED ON THE DRAWINGS TO BE RELOCATED SHALL BE RELOCATED AS SHOWN OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONFINE HIS WORK TO WITHIN THE CONSTRUCTION LIMITS AND OR RIGHTS-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONTRACTOR'S EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL SCHEDULE HIS TRENCHING, INSTALLATION AND BACKFILL OPERATIONS SO THAT ACCESS TO ANY ONE DRIVEWAY IS NOT DISRUPTED LONGER THAN TWO WORKING DAYS.
- THE CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH THE ENGINEER TO MINIMIZE TRAFFIC DISRUPTIONS. NO CONSTRUCTION WILL BE ALLOWED ADJACENT TO PUBLIC SCHOOLS, EXCEPT DURING SCHOOL HOLIDAYS, BREAKS AND/OR SUMMER VACATION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE BERNALILLO COUNTY ROAD SUPERINTENDENT OF PLANNED ROADWAY CLOSINGS AT LEAST 10 WORKING DAYS PRIOR TO SAID CLOSINGS.
- ALL EXISTING PERMANENT SIGNS WHICH THE CONTRACTOR MAY TEMPORARILY REMOVE DURING CONSTRUCTION SHALL BE REPLACED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION ACTIVITIES WITHIN THE AREA OF THE REMOVED SIGN. ALL STRIPING EXISTING PRIOR TO THE START OF CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR. THE STRIPING SHALL BE CONSIDERED INCIDENTAL AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR. CONSTRUCTION SIGNING, STRIPING AND TRAFFIC ROUTING BY CONTRACTOR. ALL COSTS INCURRED FOR CONSTRUCTION SIGNING, STRIPING AND TRAFFIC ROUTING SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR, UNLESS OTHERWISE PROVIDED.
- THE CONTRACTOR SHALL SEQUENCE CONSTRUCTION SUCH THAT ALL SANITARY SEWER INSTALLATION SHALL PROCEED FROM PREVIOUSLY INSTALLED SEWERS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE DISPOSAL OF GROUNDWATER FROM THE DEWATERING OPERATION. UPON POSTING A DAMAGE DEPOSIT WITH THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (MRGCD), THE CONTRACTOR WILL BE PERMITTED TO DISPOSE OF GROUNDWATER IN MRGCD'S DRAINS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES HE CAUSES TO MRGCD'S IRRIGATION SYSTEM, INCLUDING BUT NOT LIMITED TO THE BUILDUP OF SAND IN THE DRAINS AS A RESULT OF THE DEWATERING ACTIVITIES AND DAMAGE CAUSED BY THE INSTALLATION OF SANITARY SEWER LINES.
- WHERE MRGCD STRUCTURES REQUIRE TEMPORARY REMOVAL FOR THE INSTALLATION OF THE SANITARY SEWER, THE ORIGINAL STRUCTURE OR A NEW STRUCTURE OF THE SAME SIZE, AT THE CONTRACTOR'S OPTION, WILL BE REINSTALLED AT THE SAME GRADE AND ELEVATIONS AS THE ORIGINAL, EXCEPT WHERE NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL NOTIFY THE MRGCD AT LEAST 5 WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION IN MRGCD RIGHT-OF-WAY.
- LOCATION OF THE GROUNDWATER TABLE SHOWN ON THE PLAN AND PROFILE SHEETS CONTAINED HEREIN IS BASED UPON SUBSURFACE INVESTIGATIONS CONDUCTED BETWEEN 1 27 81 AND 3 2 81.
- A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIALS SHALL BE OBTAINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE, HAULING THERE TO AND PROPER DISPOSAL THEREOF SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
- 3' DIA. BARREL TYPE MANHOLES SHALL BE CONSTRUCTED FOR DEPTHS LESS THAN 4' MEASURED FROM INVERT TO RIM. "TYPE C" MANHOLES SHALL BE USED FOR DEPTHS 4' TO 6'. CONTRACTOR HAS THE OPTION TO CONSTRUCT EITHER "TYPE C" OR "TYPE E" MANHOLES FOR DEPTHS OF 6' OR MORE.
- UNLESS OTHERWISE NOTED ON THE DRAWINGS OR DIRECTED BY THE ENGINEER, ALL SANITARY SEWER MANHOLES IN THE CONSTRUCTION AREA SHALL BE ADJUSTED TO FINISH GRADE WHEN LOCATED IN PAVED AREAS OR UNDEVELOPED AREAS AND 4" BELOW FINISH GRADE WHEN LOCATED IN UNPAVED TRAVELED WAYS. CONCRETE COLLARS SHALL BE PLACED AROUND ALL MANHOLES AND ALSO AROUND ALL VALVE BOXES IN ACCORDANCE WITH CITY STANDARD DRAWINGS. THIS WORK SHALL BE CONSIDERED INCIDENTAL AND NO SEPARATE PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL INSTALL SANITARY SEWER SERVICE LINES TO THE PROPERTY LINE OR 5' 0" OUTSIDE THE PAVEMENT, WHICHEVER IS SHORTER AT ALL LOCATIONS DESIGNATED BY THE ENGINEER.
- ALL SANITARY SEWER SERVICE LINES SHALL BE 4" DIAMETER AND SHALL BE LAID AT A 2' GRADE WITHIN THE RIGHT-OF-WAY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- EXCAVATIONS AS NECESSARY SHALL BE GOVERNED BY THE CONSTRUCTION SAFETY AND HEALTH STANDARDS (TITLE 29, CODE OF FEDERAL REGULATIONS PART 1518 - PUBLISHED IN THE FEDERAL REGISTER ON APRIL 17, 1971), AND MODIFICATIONS THERETO.
- THE CITY OF ALBUQUERQUE STANDARD DETAILS ARE INCLUDED IN THE SPECIFICATIONS AND MADE A PART OF THIS CONTRACT.
- THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1979 EDITION AND SUPPLEMENTAL SPECIFICATIONS WILL GOVERN WORK ON THIS PROJECT, UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS.
- MANHOLE OPENINGS SHALL BE PLACED DIRECTLY OVER THE PIPE.
- FULL WIDTH PAVEMENT REMOVAL AND REPLACEMENT WILL BE REQUIRED WHEN THE REQUIRED WIDTH OF PAVEMENT CUT IS EQUAL TO OR GREATER THAN 1/3 OF THE ORIGINAL TOTAL PAVEMENT WIDTH.
- AERIAL PHOTOGRAPHS TAKEN AUGUST 1980.
- THE CONTRACTOR SHALL COORDINATE ALL SERVICE LINE FINISHED FLOWLINE ELEVATIONS WITH THE ENGINEER PRIOR TO INSTALLATION TO MAKE SURE ALL RESIDENTS CAN BE SEWERED.

REFERENCES			BENCH MARKS			AS BUILT INFORMATION		
MAP NO.						CONTRACTOR CENT MORGAN		
APR 1 1981			WORK STAMPED BY NO. 1 C			DATE		
			APPROVED BY			DATE 7/13/81		
			FIELD			DATE 8/1/81		
			VERIFICATION BY			DATE 1/1/82		
			REVISIONS CORRECTED BY			DATE 1/1/82		
DESIGN			MICRO - FILM INFORMATION					
DESIGNED BY: WILSON & CO., ENG.			RECORDED BY			DATE		
DATE: 7-13			NO.					
DRAWN BY: 7-13								
CHECKED BY: 7-13								

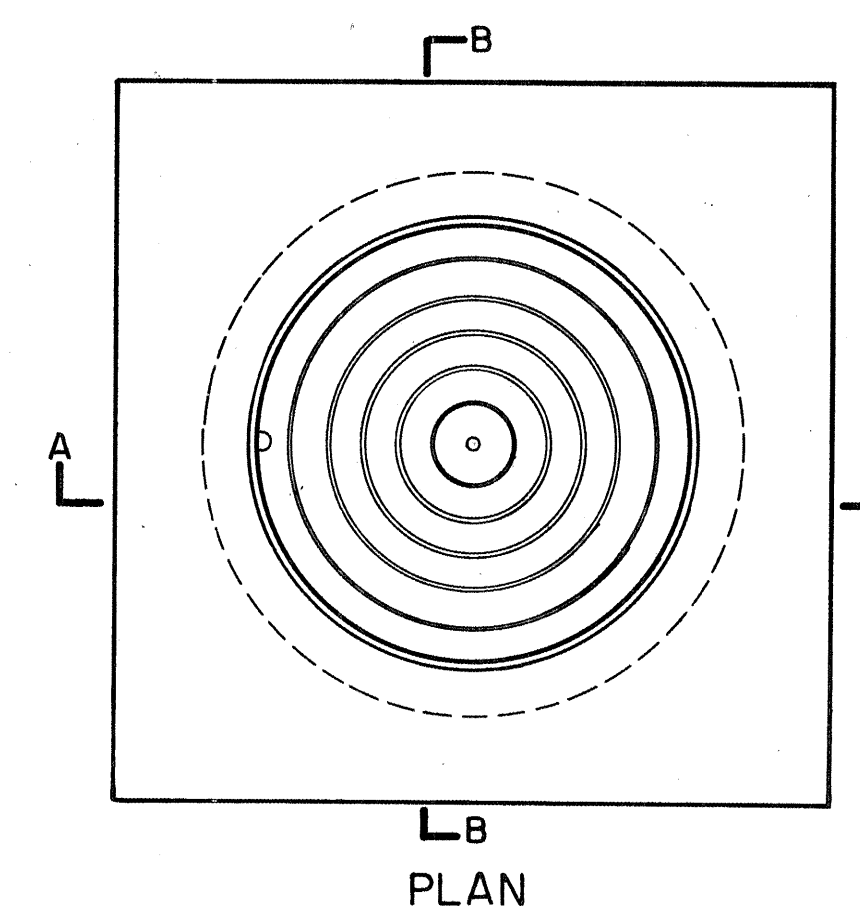
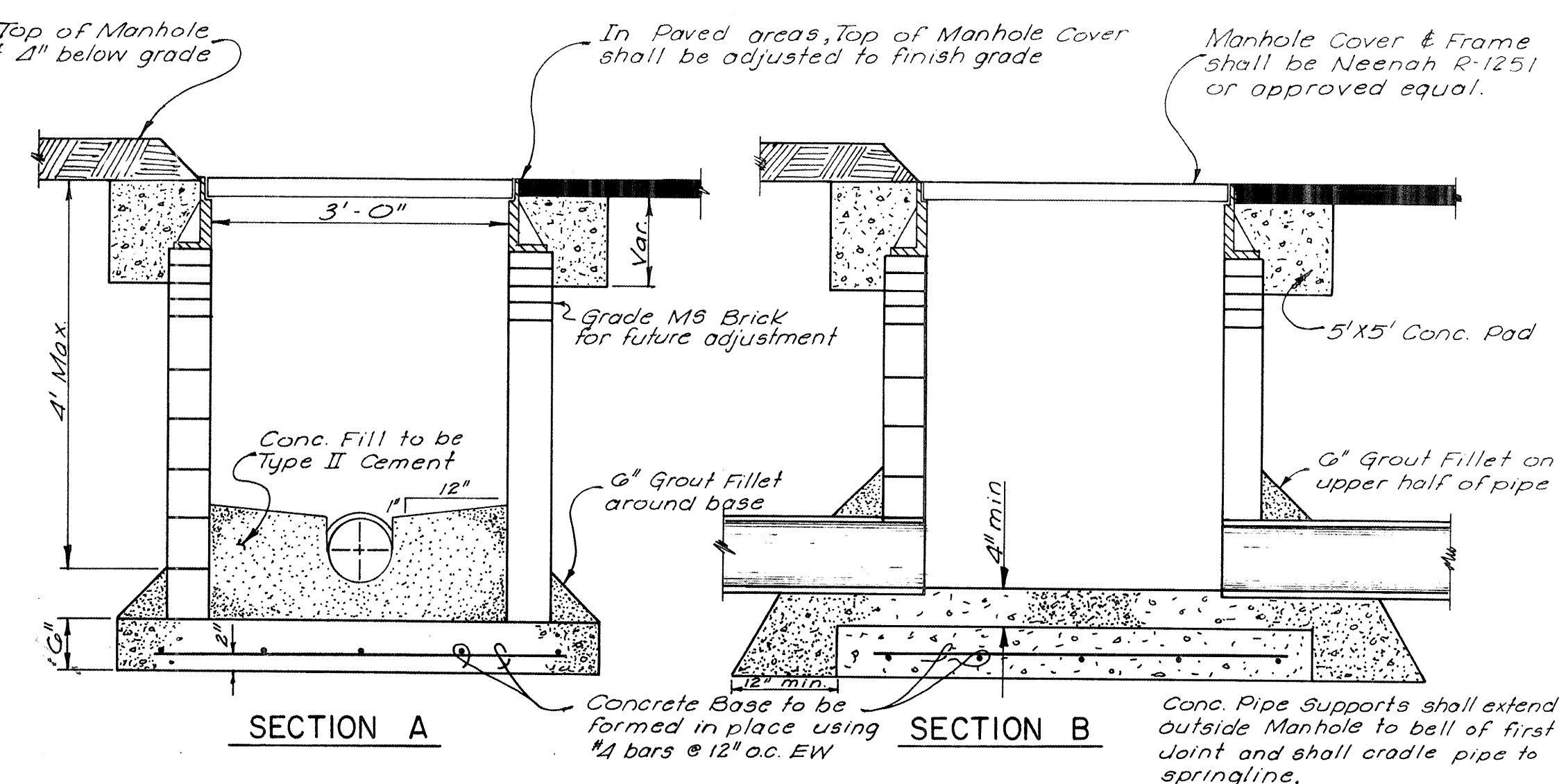
CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT					
LOCATION MAP AND GENERAL NOTES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Traffic		
Liquid Waste			Water		
A.C.E. - Design					
A.C.E. - Hydrology					
SHEET 2			OF 14		



SUITABLE SOIL CONDITIONS

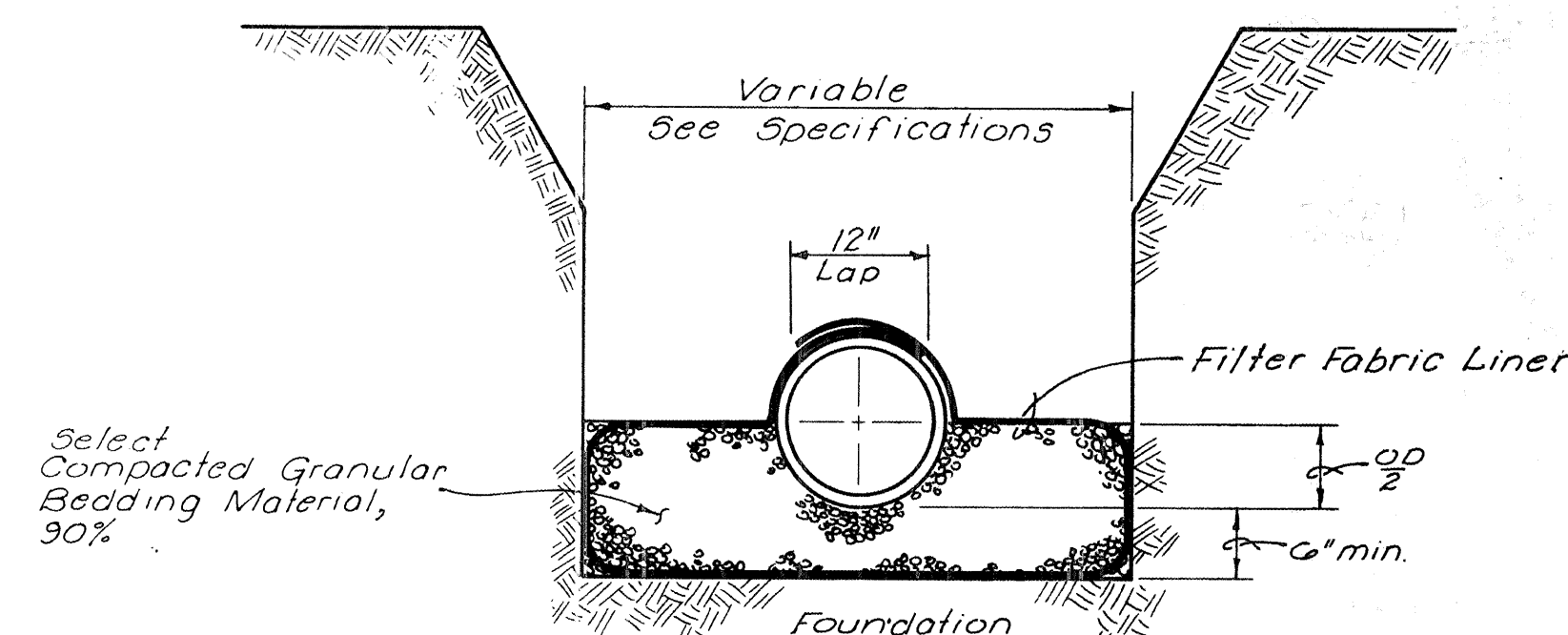


SUITABLE SOIL CONDITIONS

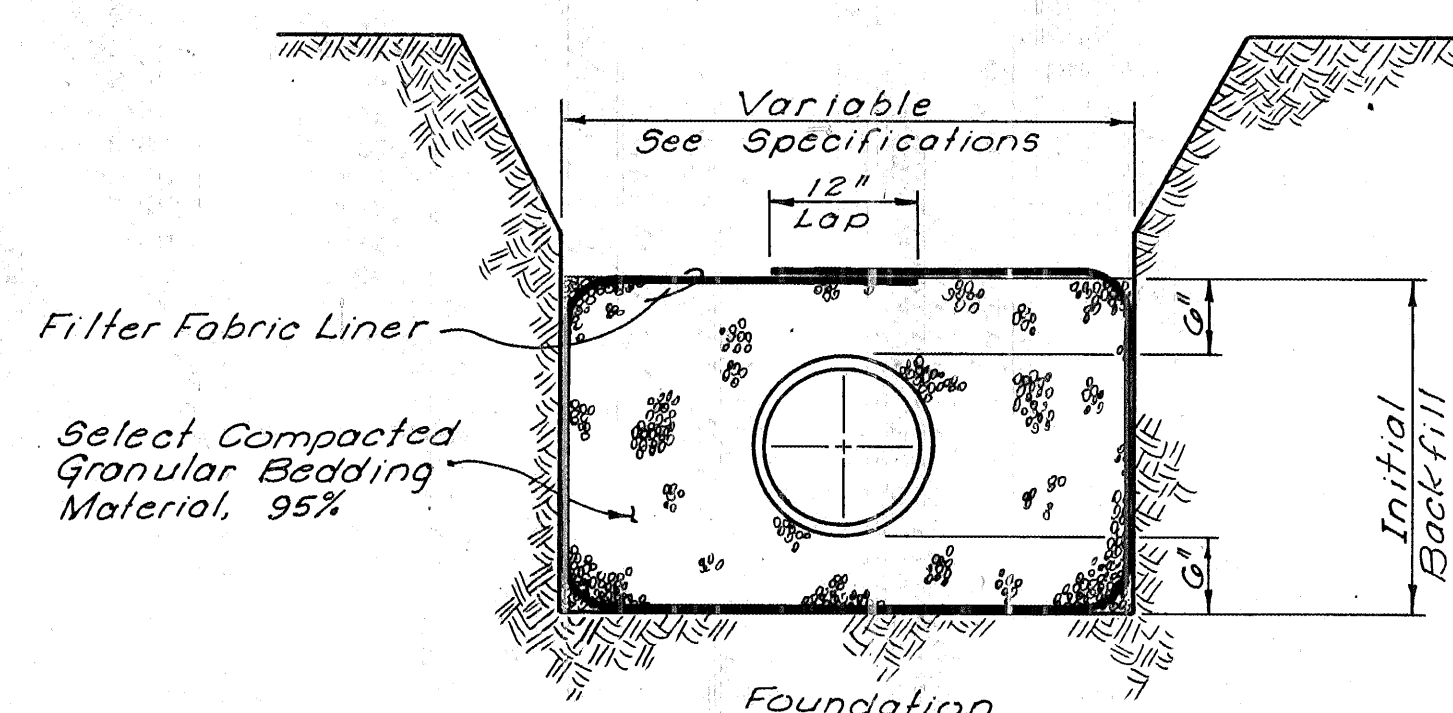


- NOTE**
1. Manholes may be constructed of concrete block, M8 brick, poured concrete or precast reinforced concrete. Block or Brick Manholes plaster inside and out with $\frac{1}{2}$ " mortar.
 2. Use non-shrink grout for joints & fillets

3' DIAMETER BARREL TYPE MANHOLE



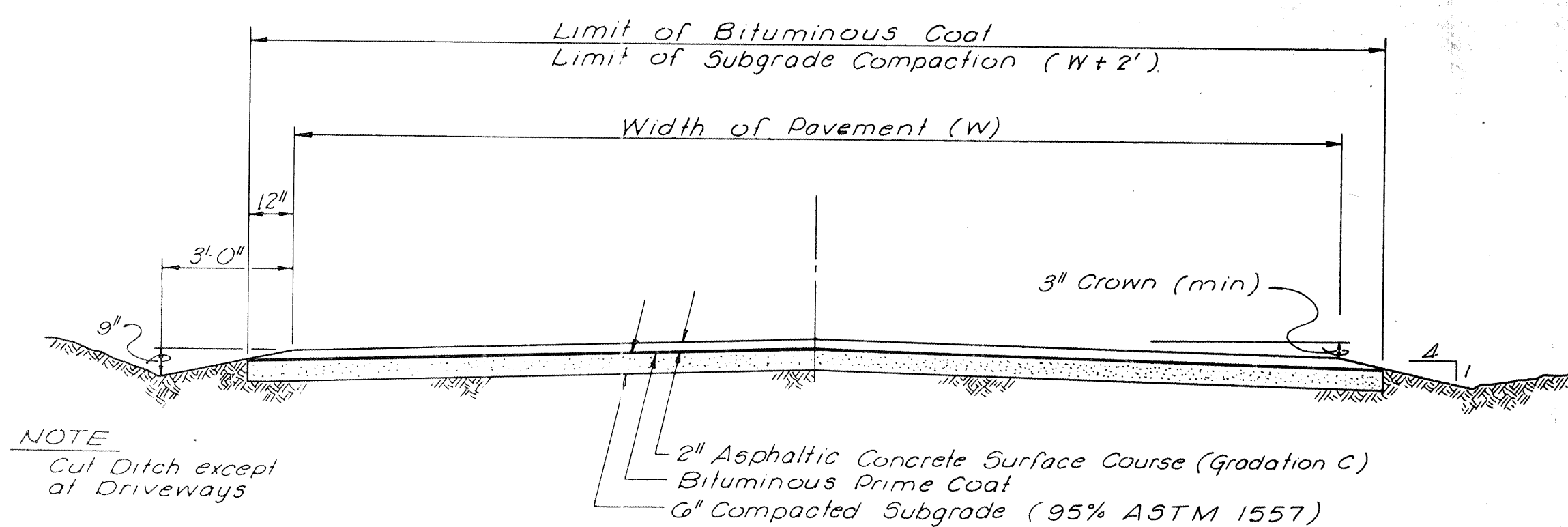
UNSUITABLE AND/OR UNSTABLE SOIL CONDITIONS



UNSUITABLE AND/OR UNSTABLE SOIL CONDITIONS

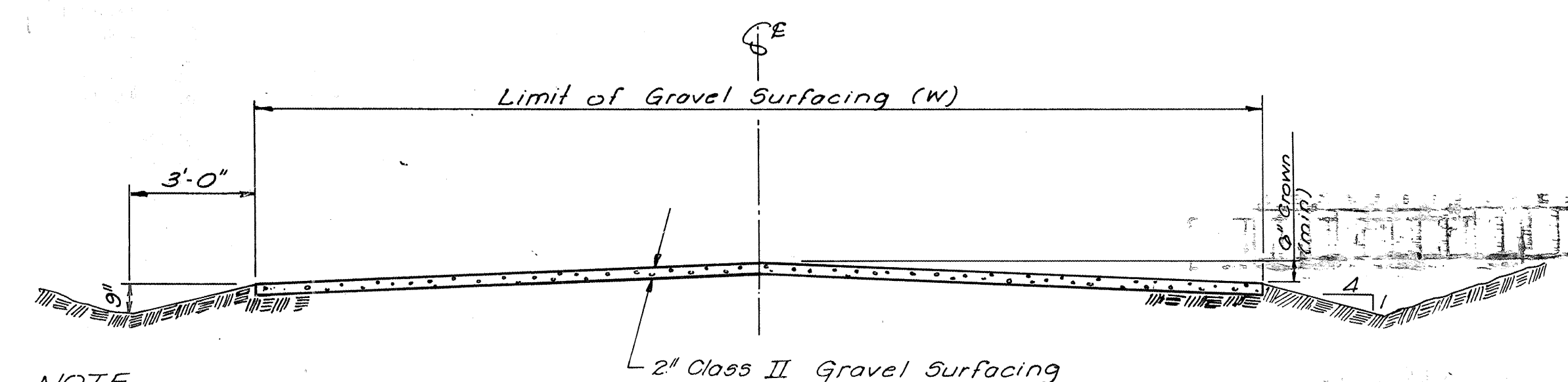
RIGID PIPE TRENCHING DETAILS

FLEXIBLE PIPE TRENCHING DETAILS



TYPICAL PAVEMENT SECTION

STREET WIDTH, W		
PAVED STREET		
STREET NAME	LINE NO.	WIDTH
Blake Rd.	390-1	20'
Tapia Blvd.	390-2	24'
Girauda Pl.	390-5	22'
Sanford Ave.	390-7	20'
GRAVEL STREET		
STREET NAME	LINE NO.	WIDTH
Michelle Rd.	390-1	22'
Meadow Rd.	390-2	16'
Criss Rd.	390-3	22'
Jerry Rd.	390-4	12'
Jerry Rd. (W)	390-4	21'
Jerry Rd. (N)	390-4A	11'
Don Andres Rd.	390-G	17'
Private Rd	390-GA	15'



TYPICAL GRAVEL SECTION

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
SOUTH VALLEY PHASE I PRIORITY II SANITARY SEWERS
E.P.A. PROJECT NO. C-35-1076-02

DETAIL SHEET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Traffic		
Liquid Waste			Water		
A.C.E. Design					
A.C.E. Hydrology					

DESIGNED BY: WILSON & CO. ENG. DATE: 1981
DRAWN BY: MOD/JGAS DATE: 9/21
CHECKED BY: JGG DATE: 10/81

SHEET 3 OF 14

AS BUILT INFORMATION

CONTRACTOR	DATE	INSPECTOR	DATE	ACCEPTED BY	DATE	VERIFICATION BY	DATE	LOCATIONS	DATE	RECORDED BY	DATE

BENCH MARKS

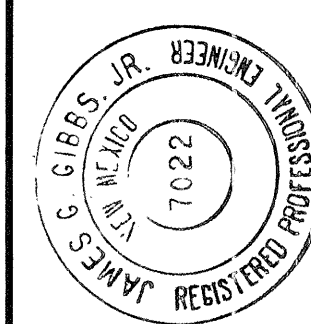
REFERENCES

MAP NO.

REVISIONS

NO.	DATE	REMARKS	BY

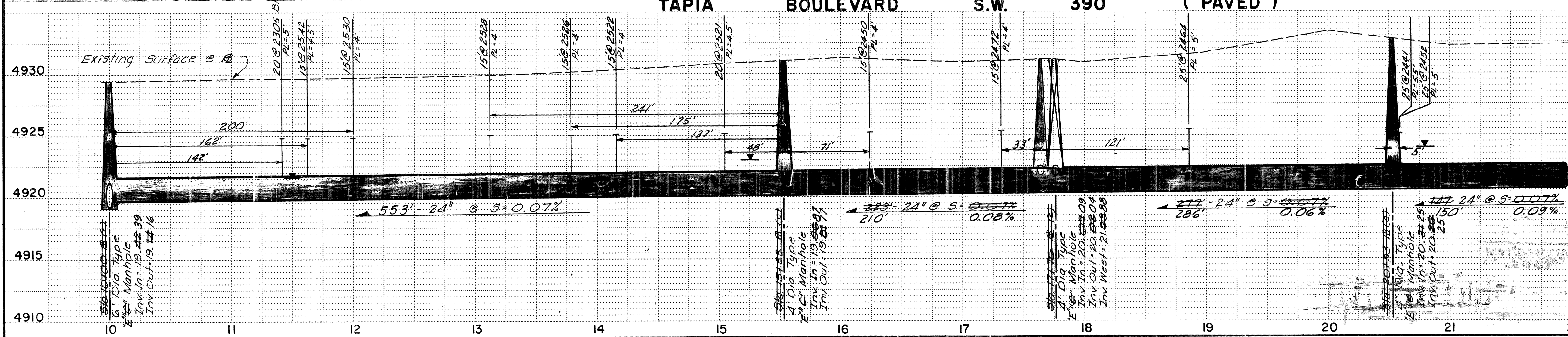
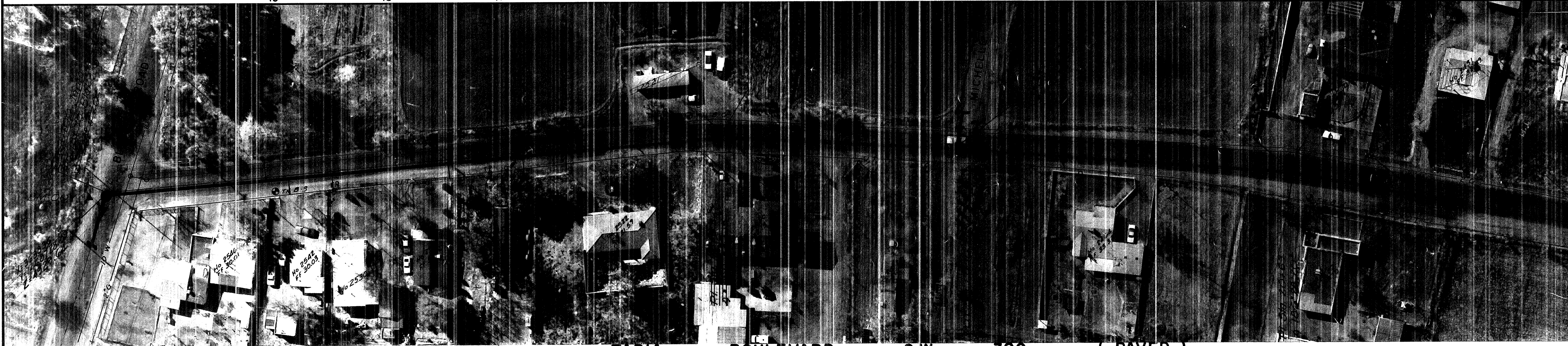
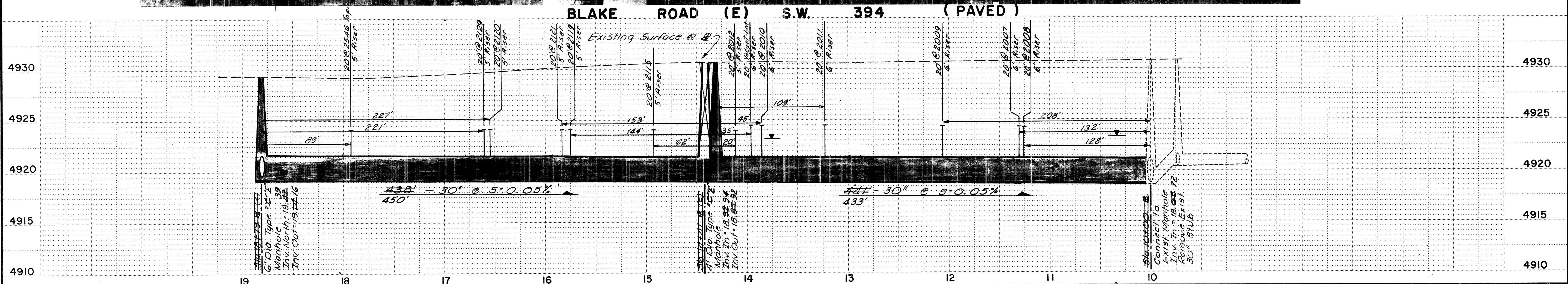
DESIGNED BY: WILSON & CO. ENG. DATE: 1981
DRAWN BY: MOD/JGAS DATE: 9/21
CHECKED BY: JGG DATE: 10/81



Bin 2 Spaul
3/4/83
07 001 0383



- NOTES THIS SHEET**
- Sanitary Sewer Pipe
30" & 24" dia. V.C.P. w/ Bell & Spigot Joint
 - Precast Concrete Manholes Throughout
 - See Sheet 14 of 14, Contract 4, South Valley Phase I, Priority II Sewers, for Sewer Service Connection Summary
 - X, Y = Ground Coordinates of Manhole Lid Center Referenced to Albuquerque Control Survey (ACS) Monument 5-M12. Note, Coordinates Have Not Been Reduced to Geodetic Values
 - Z = Manhole Rim Elevation Based On Mean Sea Level Datum (National Geodetic Survey, NG5)
 - CL = Service Line Depth @ Sewer Main
 - PL = Service Line Depth @ Property Line
 - Service Line & Riser Information As Provided By Contractor



WATER RESOURCES DEPARTMENT
APPROVAL OF AS BUILT DRAWINGS
Date: 3/4/83

NOTE:
6' Risers Installed On All Services This Line

DATE: Jan 26, 1983

SCALE IN FEET

0 50 100 150 200

AS BUILT INFORMATION			BENCH MARKS			REFERENCES			REVISIONS			DESIGN		
CONTRACTOR	WORK SHEET NO.	DATE	CONTRACTOR	WORK SHEET NO.	DATE	MAP NO.	DATE	NO.	DATE	NO.	DATE	DESIGNED BY	DATE	
See Notes			BM-007	Elev. 4929.57	5/8" x Rebar 12.5' Lt Sta 18197 Blake							WILSON & CO.	1981	
												DRAWN BY	DATE: 6/81	
												CHECKED BY	DATE: 10/81	
MICRO - FILM INFORMATION			MICRO - FILM INFORMATION			MICRO - FILM INFORMATION			MICRO - FILM INFORMATION			MICRO - FILM INFORMATION		

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT

SOUTH VALLEY PHASE I PRIORITY II SANITARY SEWERS
E.P.A. PROJECT NO. C-35-1076-02

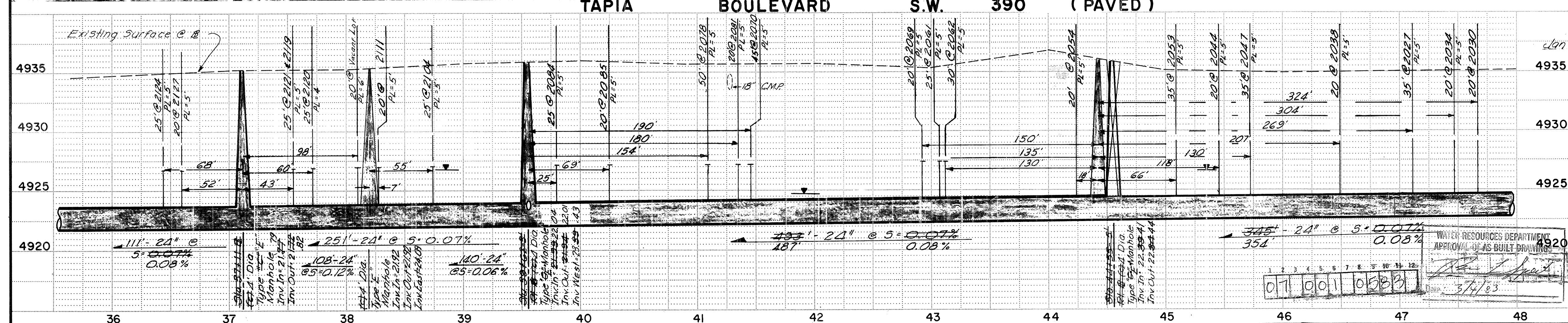
BLAKE ROAD (E) 394
TAPIA BOULEVARD 390

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Traffic		11-20-81
Liquid Waste		11-20-81	Water		11-20-81

DRAWING NO. SHEET 4 OF 14

WILSON & COMPANY
ENGINEERS & ARCHITECTS

80-512



0 50 100 150 200

SCALE IN FEET

TAPIA BOULEVARD_____390

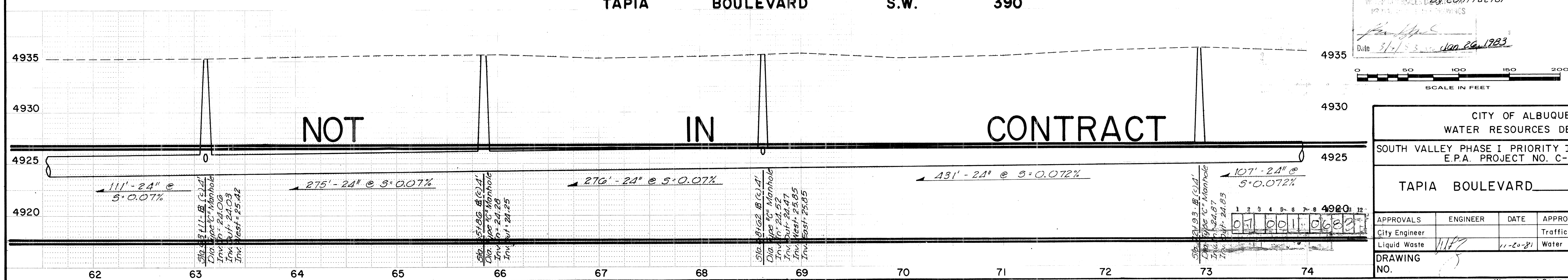
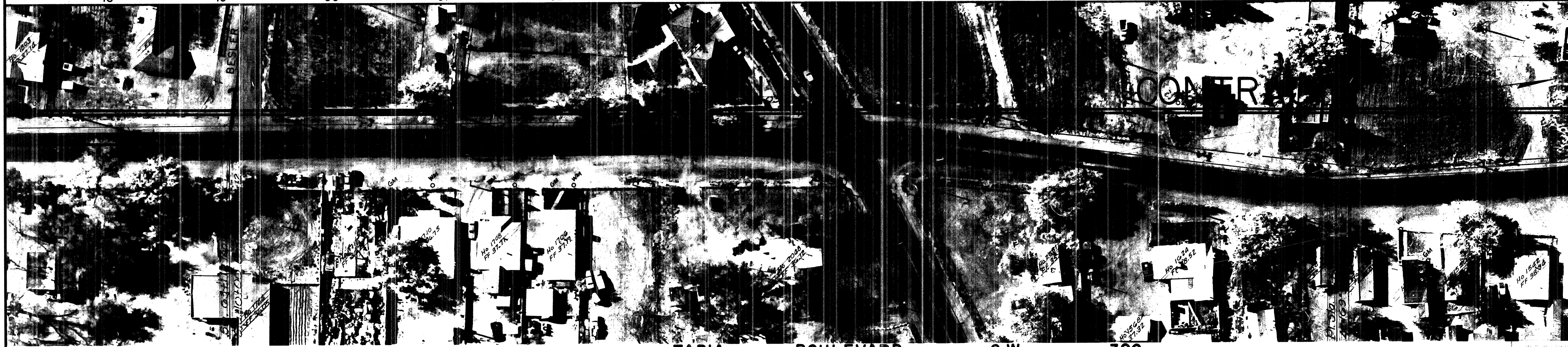
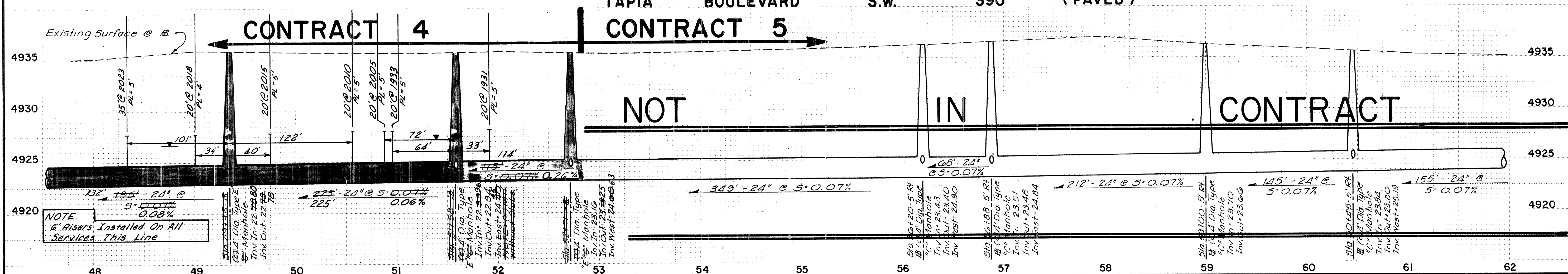
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City Engineer			Traffic		
Liquid Waste	<i>[Signature]</i>	11-20-81	Water	<i>[Signature]</i>	11-22-81

DRAWING NO.	SHEET 5 OF 14
-------------	---------------

WILSON & COMPANY
ENGINEERS & ARCHITECTS

80-512

[illegible]



NOTES THIS SHEET:

- Sanitary Sewer Pipe - 24" dia. V.C.P. w/ Bell & Spigot Joint
- Precast Concrete Manholes Throughout
- See Sheet 14 of 14, Contract 4, South Valley Phase I, Priority II Sewers, for Sewer Service Connection Summary
- X, Y = Ground Coordinates of Manhole Lid Center Referenced to Albuquerque Control Survey (ACS) Monument 5-M12. Note, Coordinates Have Not Been Reduced to Geodetic Values
- Z = Manhole Rim Elevation Based On Mean Sea Level Datum (National Geodetic Survey, NG5)
- CL = Service Line Depth @ Sewer Main
- PL = Service Line Depth @ Property Line
- Service Line & Riser Information As Provided By Contractor

Scale: 1" = 50'

Date: 3/1/83

Jan 26, 1983

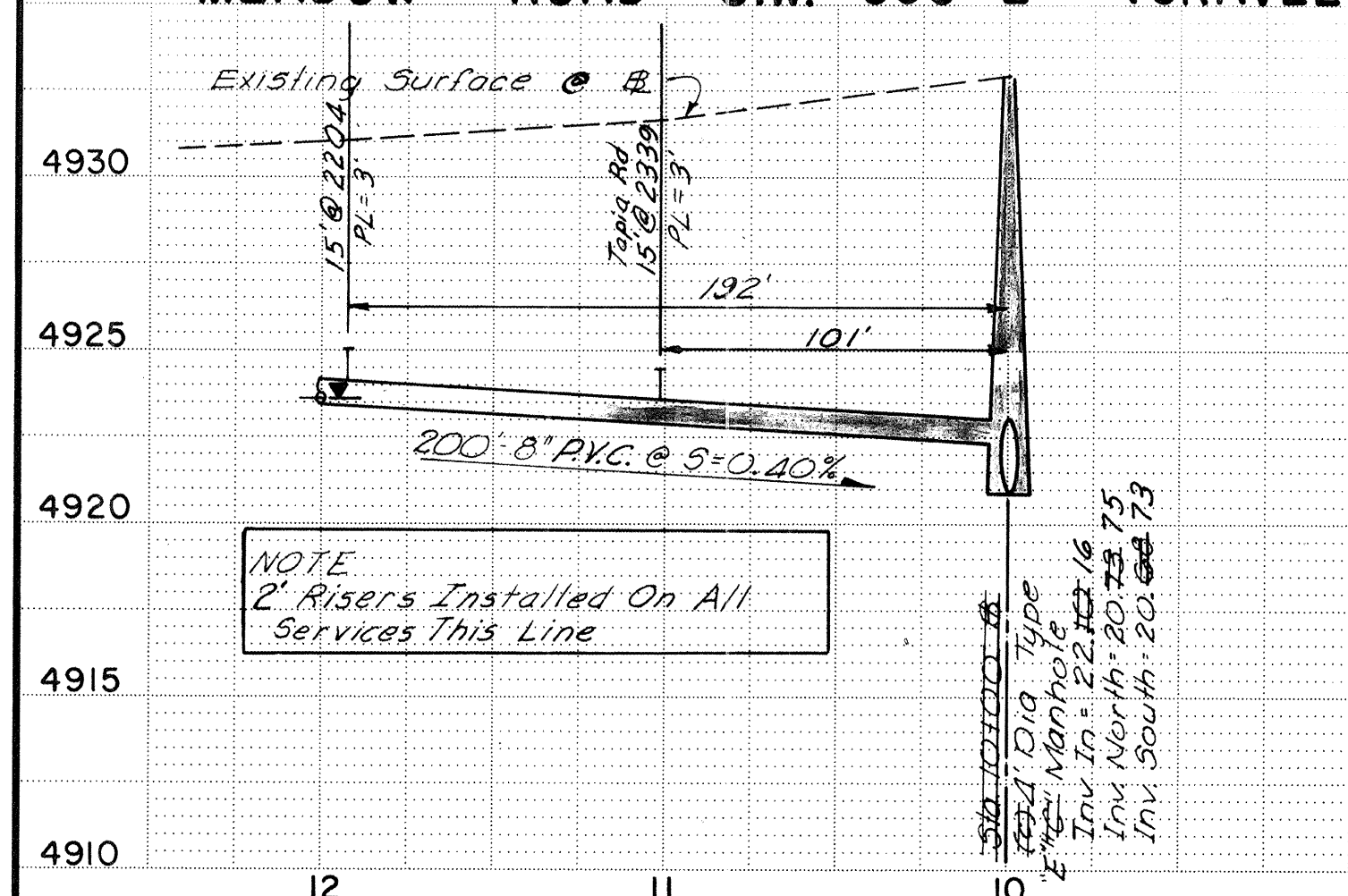
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CONTRACTOR	WORKED BY	INSPECTED BY	DATE
BM-026	Elev. 4935.48	5/8" Rebar 18.7' Lt. 5/8" Fire Hydrant at 2.95' SE of Power Pole and 3.15' NE of Fire Hydrant at NW Cor. Pl. Rd. & Tapia	
MICRO-FILM INFORMATION			
RECORDED BY	DATE	NO.	
BM-031	Elev. 4935.49		

REFERENCES			
MAP NO.	M-11 & M-12	BY	DATE

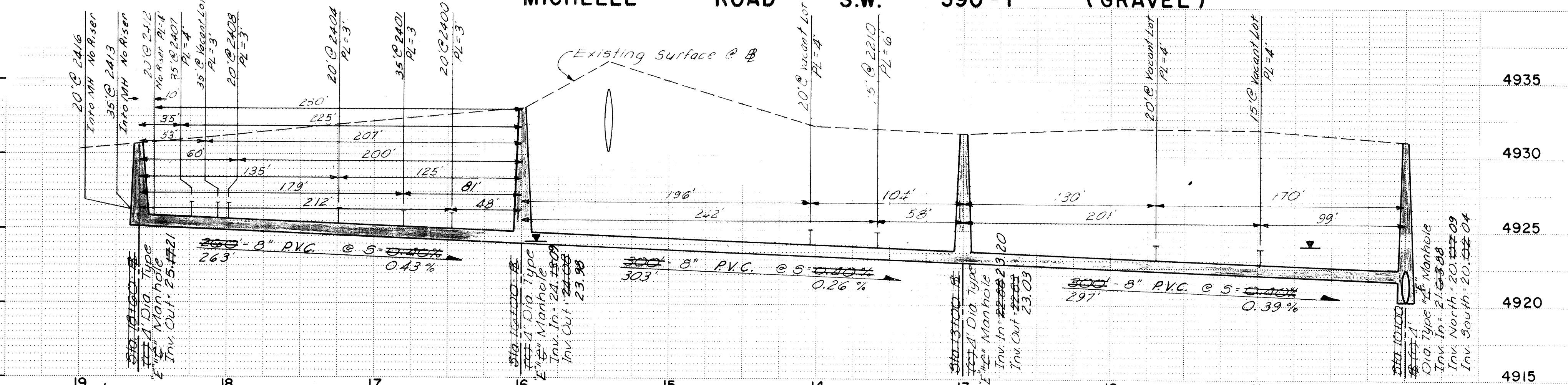
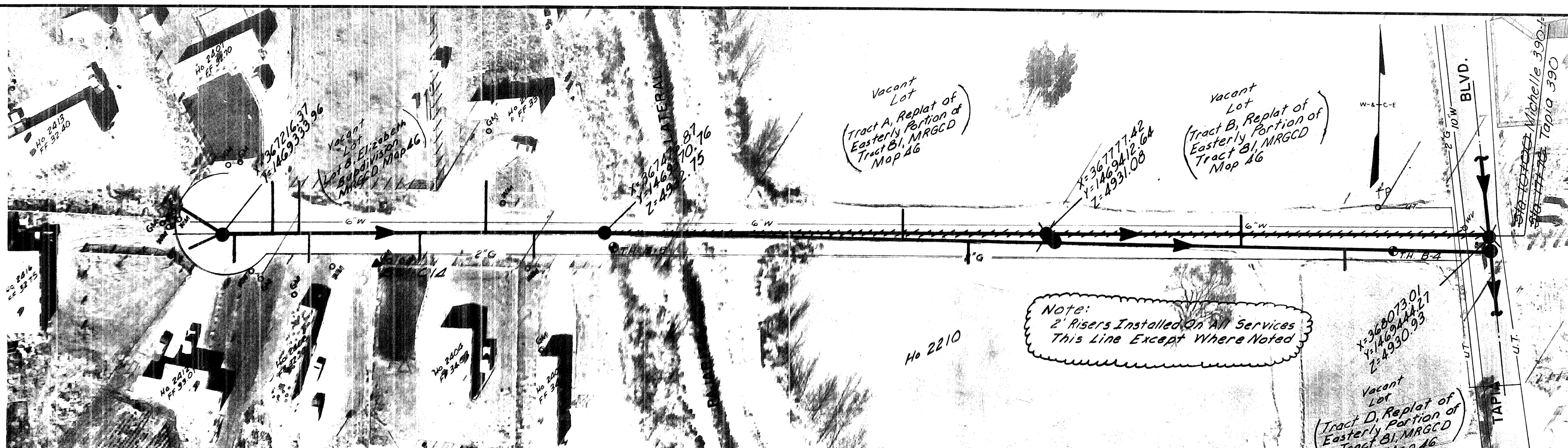
REVISIONS			
NO.	DATE	REMARKS	DESIGNED BY

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT			
SOUTH VALLEY PHASE I PRIORITY II SANITARY SEWERS E.P.A. PROJECT NO. C-35-1076-02			
TAPIA BOULEVARD 390			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer			Traffic
Liquid Waste			Water
DRAWING NO.			

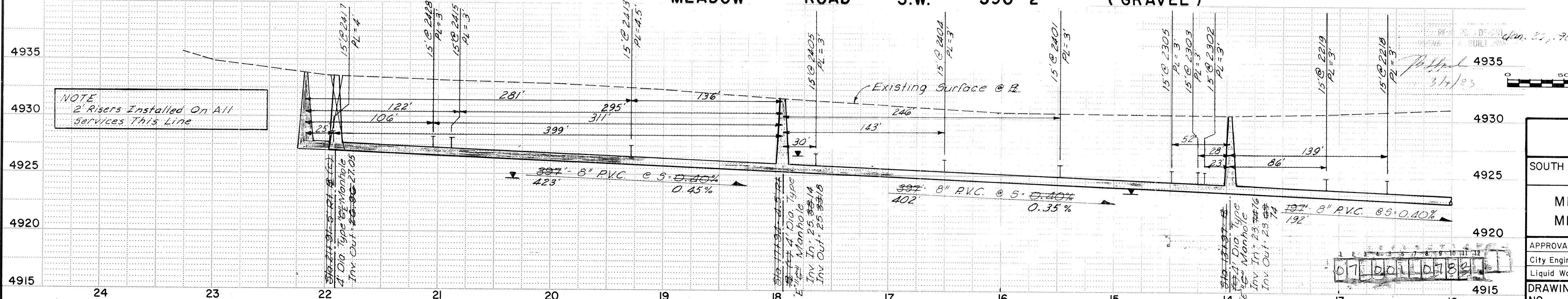
SHEET 6 OF 14			
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DRAWN BY	M.D.L./G.S.	DATE	6/81
CHECKED BY	J.G.G.	DATE	10/81



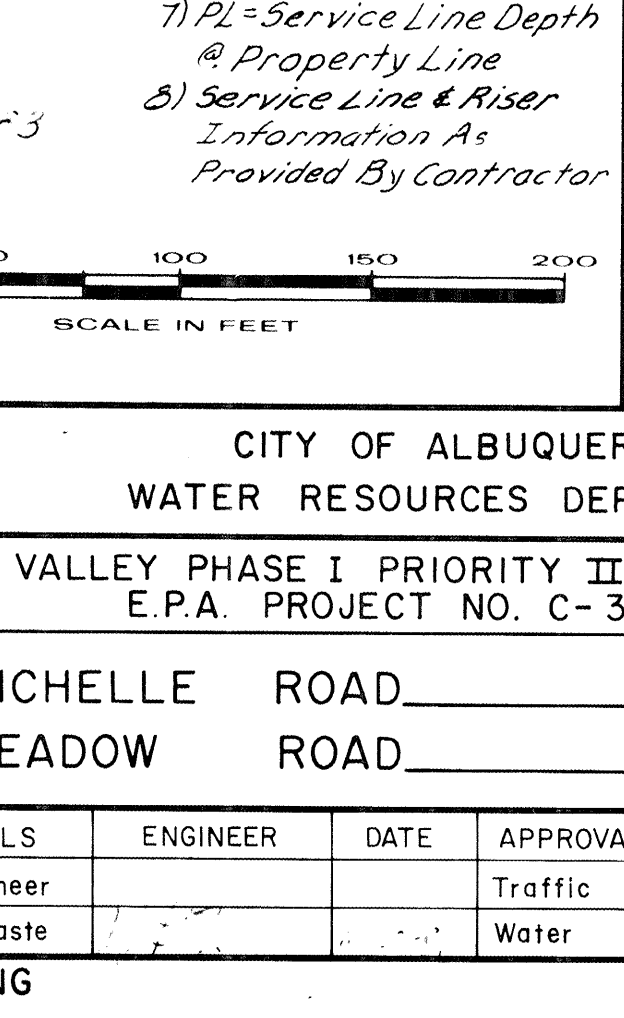
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4925	4930
4920	4925
4915	4920
4910	4915



4935	4930
4930	4925
4925	4920
4920	4915



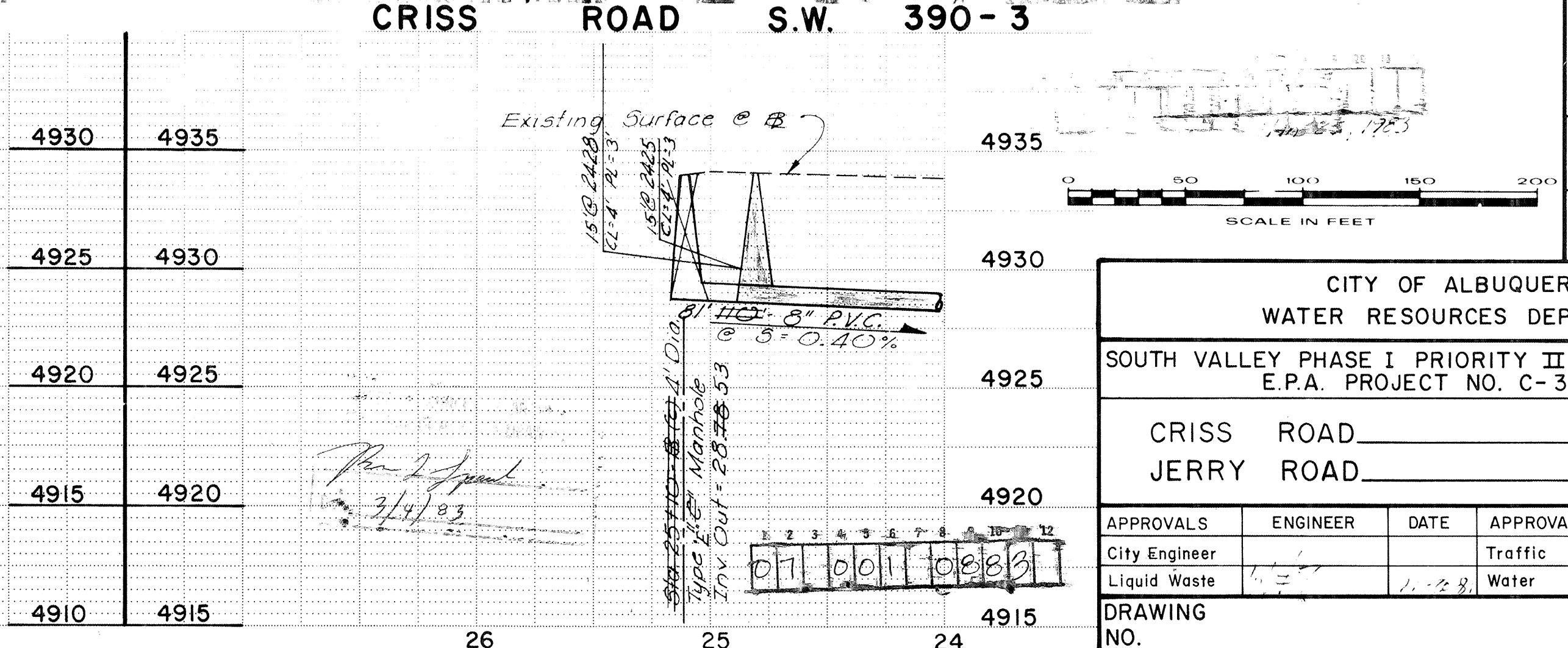
NOTES THIS SHEET:
 1) Sanitary Sewer Pipe
 8" dia. PVC w/ Bell &
 Spigot Joint
 2) Precast Concrete
 Manholes Throughout
 3) See Sheet 14 of 14
 Contract & South Valley
 Phase I, Priority II
 Sewers, for Sewer Service
 Connection Summary
 4) X, Y = Ground Coordinates
 of Manhole Lid Center
 Referenced to Albuquerque
 Control Survey (ACS)
 Monument 5-M12. Note,
 Coordinates Have Not
 Been Reduced to
 Geodetic Values
 5) Z = Manhole Rim
 Elevation Based on
 Mean Sea Level Datum
 (National Geodetic
 Survey, NG5)
 6) CL = Service Line Depth
 @ Sewer Main
 7) PL = Service Line Depth
 @ Property Line
 8) Service Line & Riser
 Information As
 Provided By Contractor



AS BUILT INFORMATION		BENCH MARKS		REFERENCES		REVISIONS		DESIGN	
CONTRACTOR	DATE	CONTRACTOR	DATE	MAP NO.	DATE	NO.	DATE	DESIGNED BY	DATE
WORKED BY	DATE	CONTRACTOR	DATE	N-11 & N-12	1981			WILSON & COMPANY	1981
FIELD CHECKED BY	DATE	CONTRACTOR	DATE					DRAWN BY	DATE
DRAWING BY	DATE	CONTRACTOR	DATE					CHECKED BY	DATE
CORRECTED BY	DATE	CONTRACTOR	DATE						
MICRO - FILM INFORMATION	DATE	CONTRACTOR	DATE						
RECORDED BY	DATE	CONTRACTOR	DATE						

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT					
SOUTH VALLEY PHASE I PRIORITY II SANITARY SEWERS E.P.A. PROJECT NO. C-35-1076-02					
MICHELLE ROAD 390-1			MEADOW ROAD 390-2		
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Traffic		
Liquid Waste			Water		
DRAWING NO.			SHEET 7 OF 14		

Martinez/Naylor & Associates

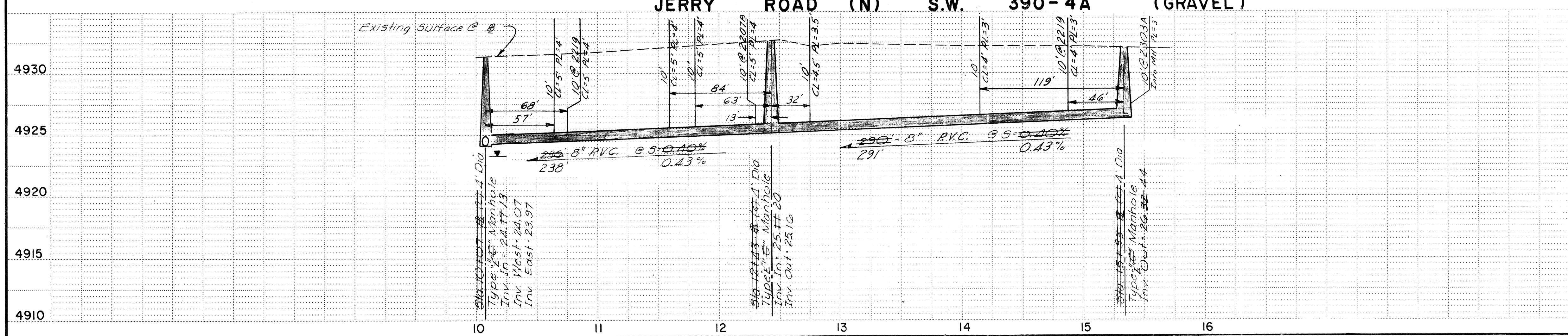
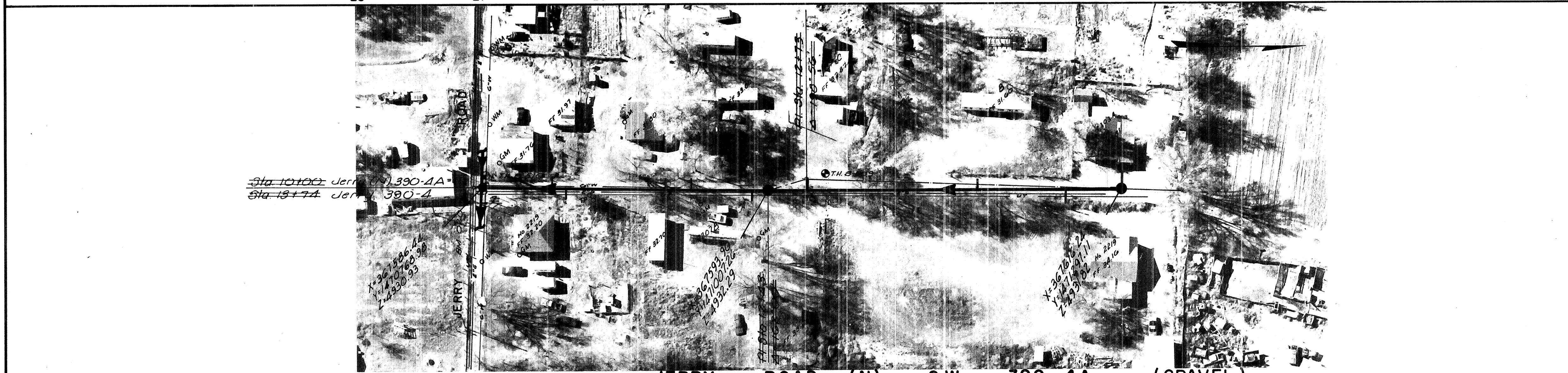
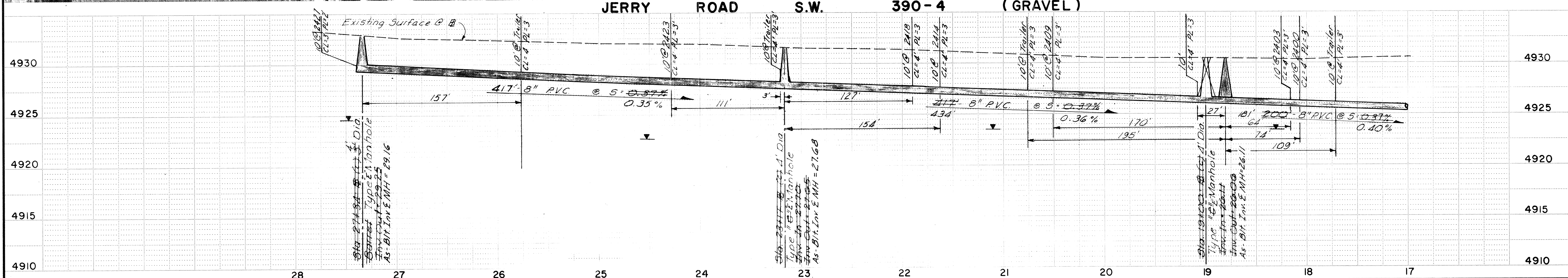
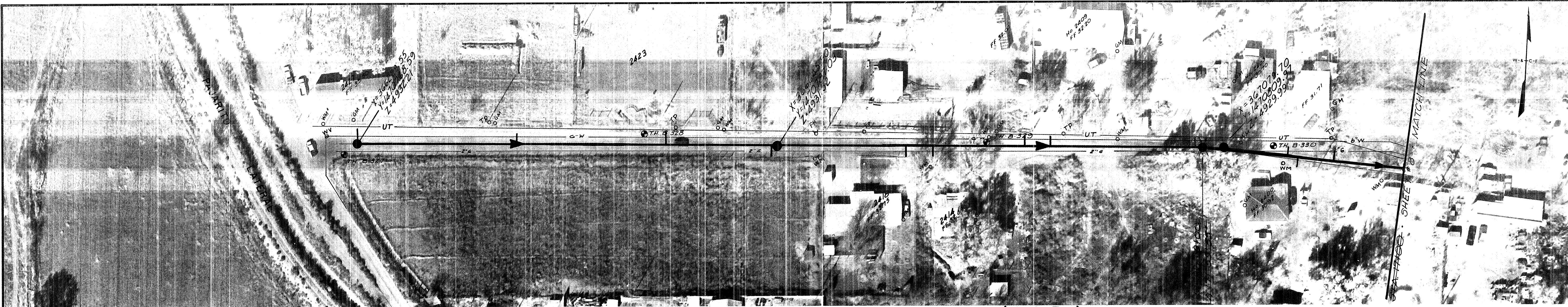


SHEET 8 OF 14					
SANITARY SEWERS 5-1076-02					
DEPARTMENT					
390 - 3					
390 - 4					
LS	ENGINEER	DATE			
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CHECKED BY <i>LGG</i>					
DRAWN BY <i>A.M.W. G.S.</i>					
DESIGNED BY <i>WILSON & CO.</i> DATE: <i>1981</i>					
REVISIONS DESIGN					
NO.	DATE	REMARKS	BY		
REFERENCES					
MAP NO. N-11 & N-12					
BENCH MARKS					
BM-018 · Elev 4932.03 · ¾" # Rebar 14.3' Rt. 9 ft. 13139.2 Criss					
20' South of Fence Cor. and 0.9' SW of Power Pole					
BM-019 · Elev 4933.99 · ¾" # Rebar 9.3' Lt. 5 ft. 23198.7 Criss					
102d North of Fence Cor. at House numbered 2428					
BM-020 · Elev 4931.65 · ¾" # Rebar 1.95' Lt. 5 ft. 13165.1 Jerry					
1.95' North of Power Pole and 1.35' NW of Telephone Box					
AS BUILT INFORMATION		MICRO-FILM INFORMATION			
CONTRACTOR		RECORDED BY			
WORK STARTED BY		DATE			
ACCEPTANCE BY		DATE			
VERIFICATION BY		DATE			
DRAWINGS BY		DATE			

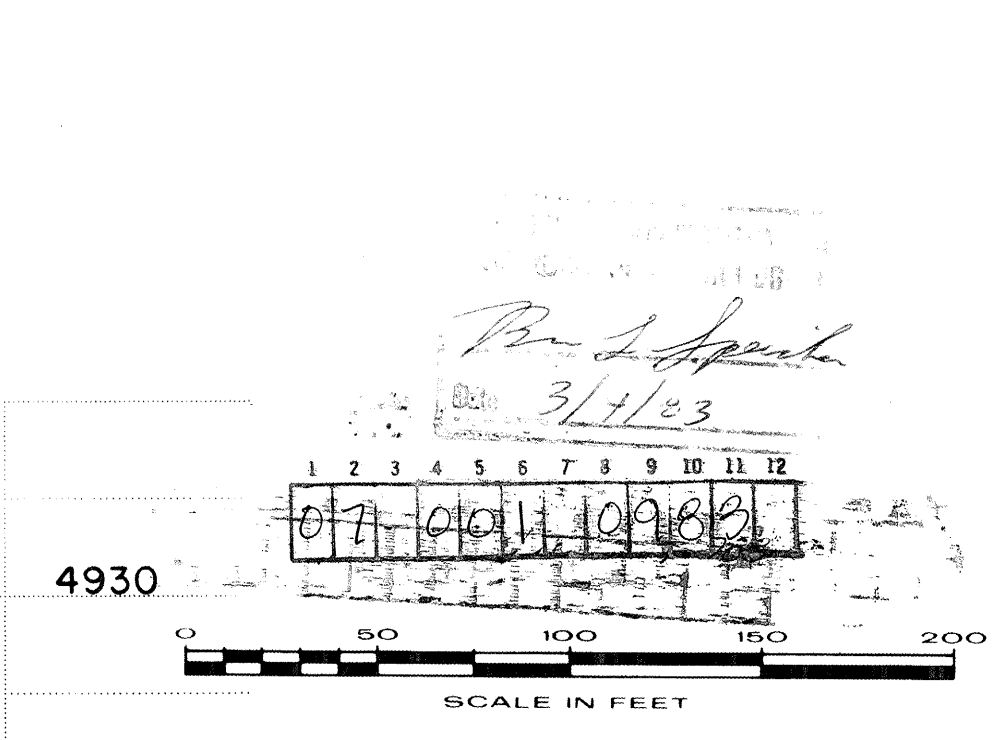
PORTION EDGE OF PRINT ON THIS LINE

SCANNED BY
MESA REPRO

Martinez/Naylor
& Associates



NOTES THIS SHEET
1) Sanitary Sewer Pipe
8" dia. PVC. w/Bell & Spigot Joint
2) Precast Concrete Manholes Throughout
3) See Sheet 14 of 14, Contract 4, South Valley
Phase I, Priority II Sewers, for Sewer
Service Connection Summary
4) X, Y = Ground Coordinates of Manhole Lid
Center Referenced To Albuquerque Control
Survey (ACS) Monument 5-M12. Note,
Coordinates Have Not Been Reduced
To Geodetic Values
5) Z = Manhole Rim Elevation Based On
Mean Sea Level Datum (National
Geodetic Survey, NG5)
6) CL = Service Line Depth @ Sewer Main
7) PL = Service Line Depth @ Property Line
8) Service Line & Riser Information As
Provided By Contractor



AS BUILT INFORMATION		
CONTRACTOR	DATE	NO.
WMO	1981	1

BENCH MARKS		
CONTRACTOR	DATE	NO.
WMO	1981	1

REFERENCES		
CONTRACTOR	DATE	NO.
WMO	1981	1

REVISIONS		
NO.	DATE	REMARKS
1	1981	DESIGN

DESIGNED BY WILSON & COMPANY, INC.		
DESIGNED BY	DATE	NO.
WILSON & COMPANY, INC.	1981	1

CITY OF ALBUQUERQUE		
ENGINEER	DATE	NO.
WILSON & COMPANY, INC.	1981	1

SOUTH VALLEY PHASE I PRIORITY II SANITARY SEWERS		
ENGINEER	DATE	NO.
WILSON & COMPANY, INC.	1981	1

JERRY ROAD		
ENGINEER	DATE	NO.
WILSON & COMPANY, INC.	1981	1

JERRY ROAD (N)		
ENGINEER	DATE	NO.
WILSON & COMPANY, INC.	1981	1

APPROVALS		
ENGINEER	DATE	NO.
WILSON & COMPANY, INC.	1981	1

CITY ENGINEER		
ENGINEER	DATE	NO.
WILSON & COMPANY, INC.	1981	1

LIQUID WASTE		
ENGINEER	DATE	NO.
WILSON & COMPANY, INC.	1981	1

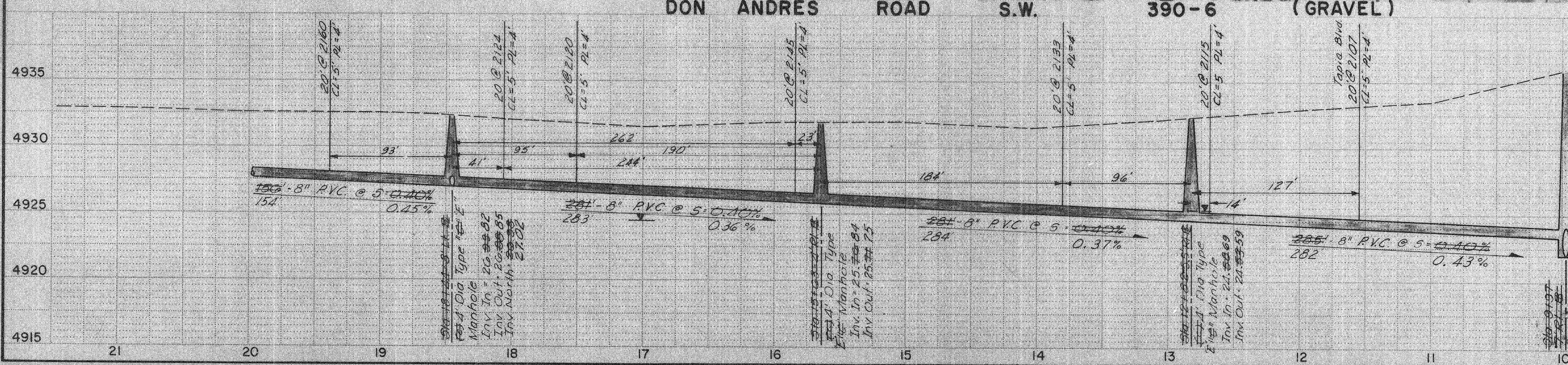
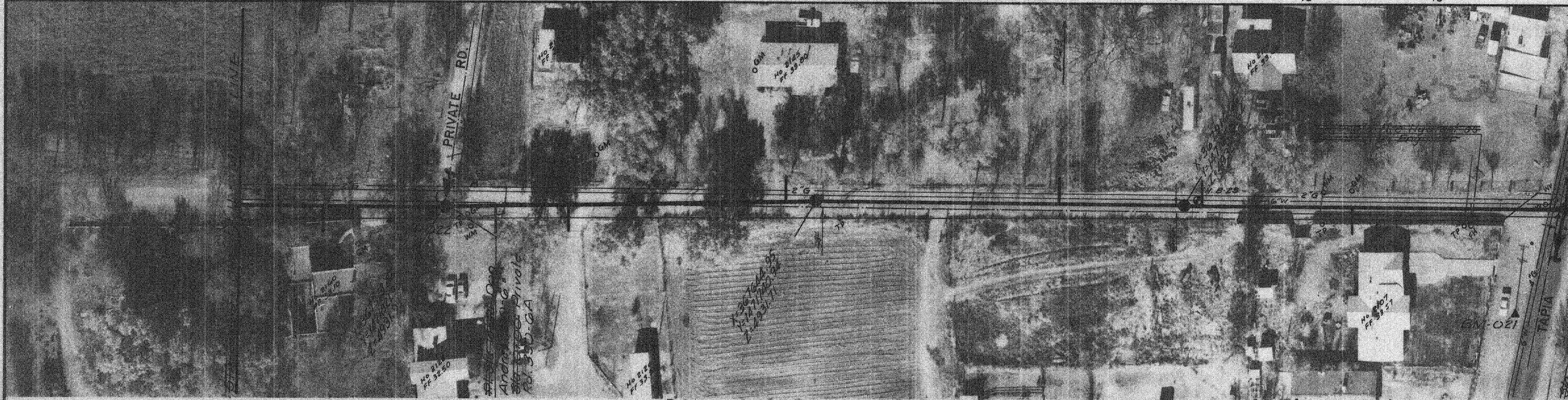
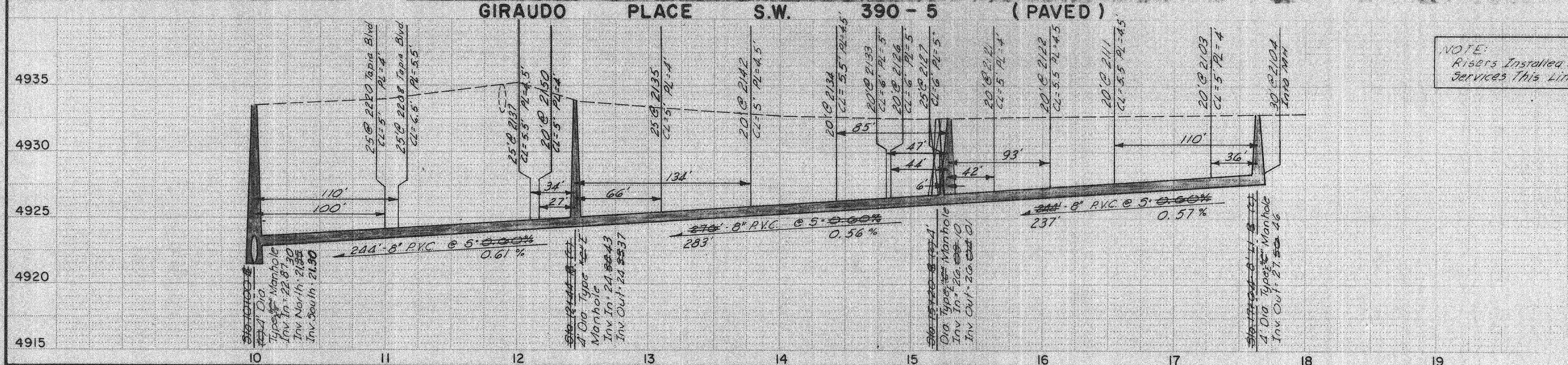
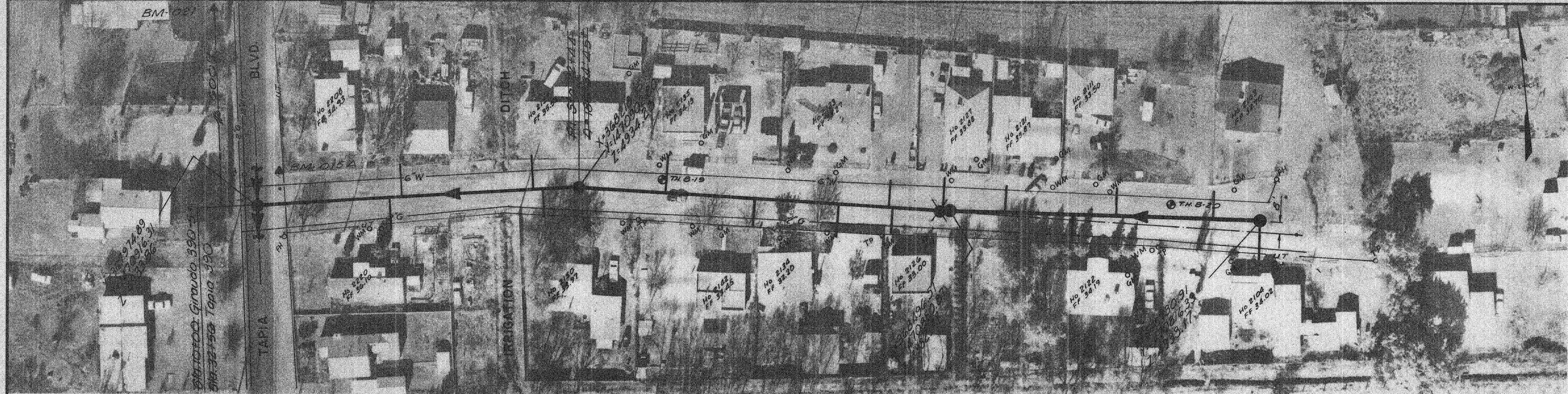
WATER		
ENGINEER	DATE	NO.
WILSON & COMPANY, INC.	1981	1

DRAWING NO.		
ENGINEER	DATE	NO.
WILSON & COMPANY, INC.	1981	1

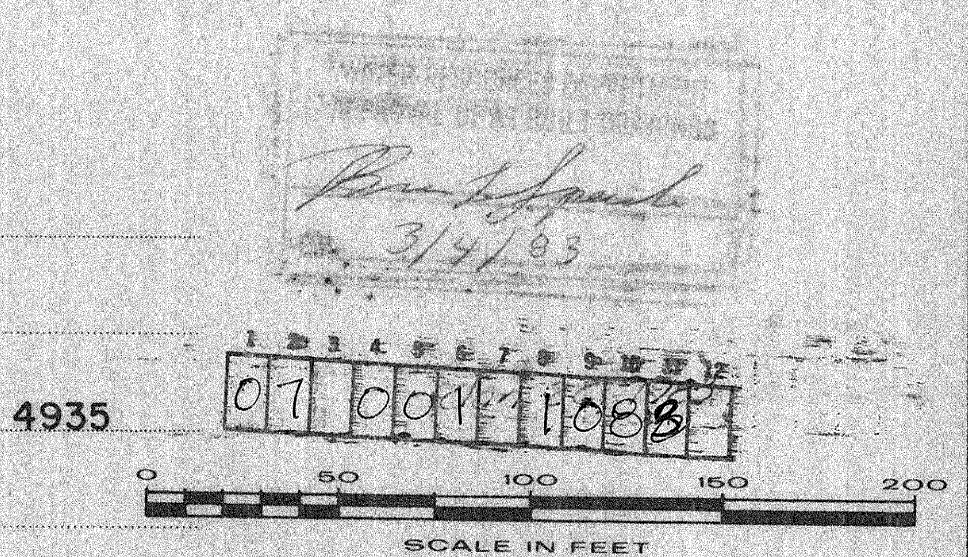
SHEET 9 OF 14		
ENGINEER	DATE	NO.
WILSON & COMPANY, INC.	1981	1

SCANNED BY
MESA REPRO

Martinez & Associates
INCORPORATED



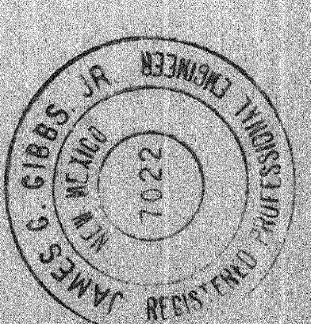
NOTES THIS SHEET:
1) Sanitary Sewer Pipe
2) 8" dia. PVC w/ Bell & Spigot Joint
3) Precast Concrete Manholes Throughout
4) See Sheet 14 of 14, Contract 4, South Valley Phase I, Priority II Sewers, For Sewer Service Connection Summary
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7) CL = Service Line Depth @ Sewer Main
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9) Service Line & Riser Information As Provided By Contractor



CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT					
SOUTH VALLEY PHASE I PRIORITY II SANITARY SEWERS E.P.A. PROJECT NO. C-35-1076-02					
GIRAUDO PLACE 390-5			DON ANDRES ROAD 390-6		
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Traffic		
Liquid Waste			Water		
DRAWING NO.			SHEET 10 OF 14		

REFERENCES		BENCH MARKS		AS BUILT INFORMATION	
MAP NO.	DATE	CONTRACTOR	DATE	CONTRACTOR	DATE
MAP NO. A-1-11 & A-1-12		CONTRACTOR	DATE	CONTRACTOR	DATE
		INSPECTOR'S	DATE	INSPECTOR'S	DATE
		FIELD ENGINEER	DATE	FIELD ENGINEER	DATE
		VERIFICATION BY	DATE	VERIFICATION BY	DATE
		CORRECTED BY	DATE	CORRECTED BY	DATE
		MICRO - FILM INFORMATION		MICRO - FILM INFORMATION	
		RECORDED BY	DATE	RECORDED BY	DATE

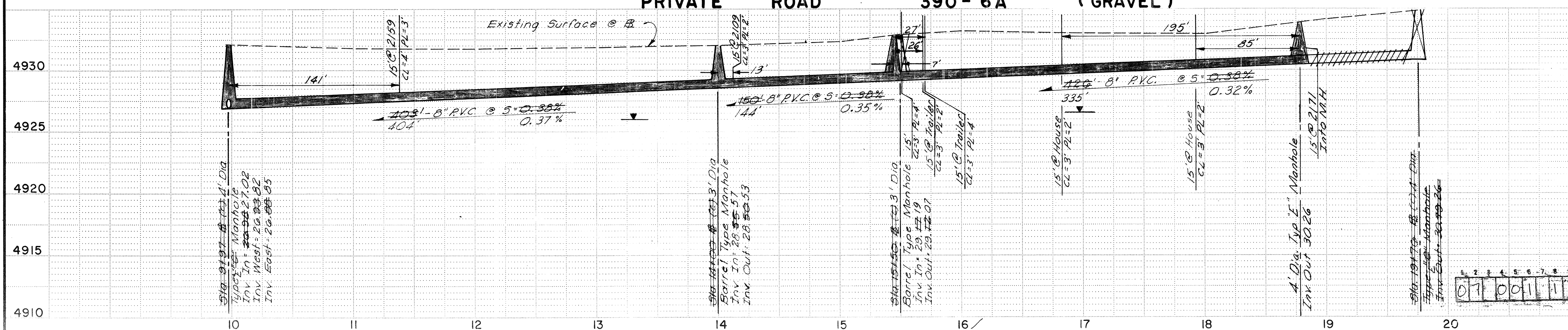
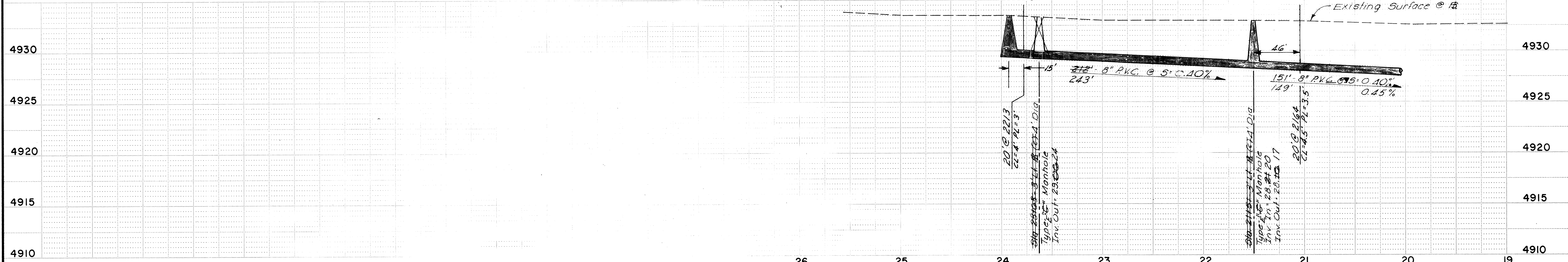
DESIGNED BY WILSON & CO. INCORPORATED 1981
DRAWN BY MCH/LS/AS DATE: 6/81
CHECKED BY JGG DATE: 10/81



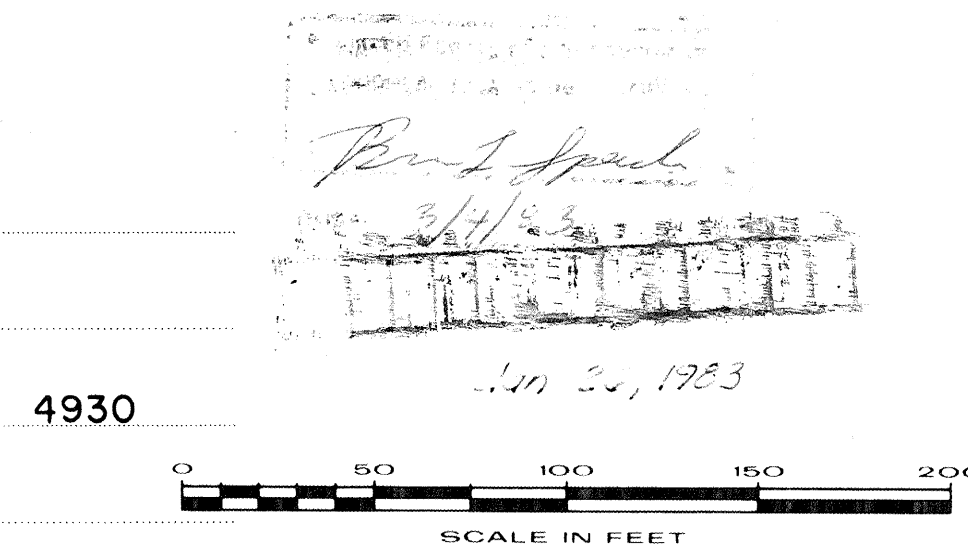
PROFESSIONAL SEAL OF ENGINEER MUST BE PLACED HERE

SCANNED BY
MESA REPRO

Martinez / Taylor
& Associates



NOTES THIS SHEET:
1) Sanitary Sewer Pipe
8" dia. PVC w/ Bell & Spigot Joint
2) Precast Concrete Manholes Throughout
3) See Sheet 14 of 14, Contract 4, South Valley
Phase I, Priority II Sewers, for Sewer
Service Connection Summary
4) X, Y = Ground Coordinates of Manhole Lid
Center Referenced to Albuquerque Control
Survey (ACS) Monument 5-M12. Note,
Coordinates Have Not Been Adjusted
to Geodetic Values
5) Z = Manhole Rim Elevation Based On
Mean Sea Level Datum (National
Geodetic Survey, NG5)
6) CL = Service Line Depth @ Sewer Main
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Provided By Contractor

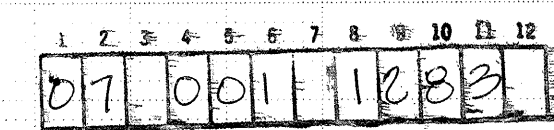
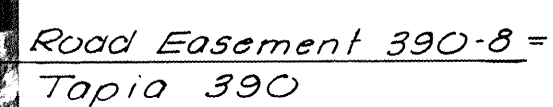
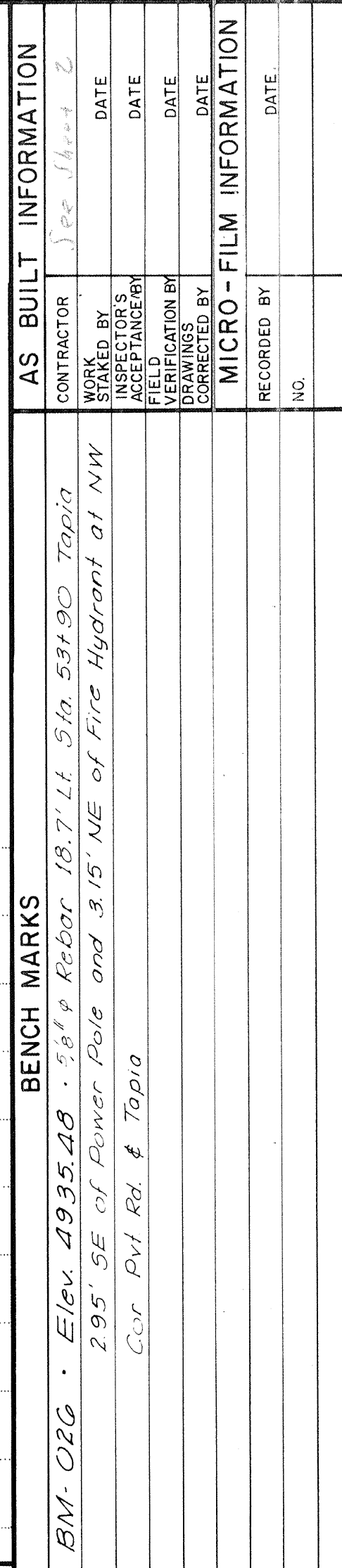
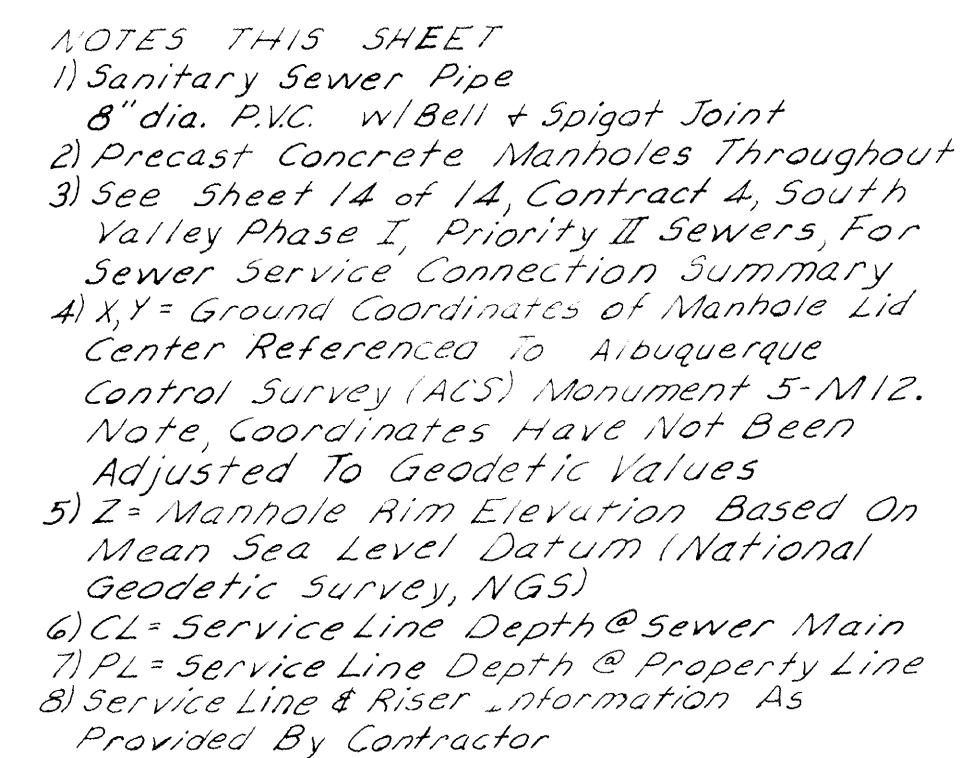


CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT					
SOUTH VALLEY PHASE I PRIORITY II SANITARY SEWERS E.P.A. PROJECT NO. C-35-1076-02					
DON ANDRES ROAD 390-6 PRIVATE ROAD 390-6A					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Traffic		
Liquid Waste			Water		
DRAWING NO.			SHEET 11 OF 14		

BENCH MARKS	
BM-022	Elev 4932.37 - 3/8" x Rebar 3.5' Lt. 5' to 17' to 10.5' Don Andres 6.05' NE Fence Post and 3' NW of Telephone Box Just East of Pvt. Rd. 21
BM-023	Elev 4933.28 - 5/8" x Rebar 3.1' Lt. 3' to 10' to 35' Pvt. Rd 1.0' South of Fence Car
BM-024	Elev 4933.99 - 5/8" x Rebar 20' Rt. 5' to 22' to 99' Don Andres 2.0' South of Fence Car NE Cor. Arenal Ditch & Don Andres
AS BUILT INFORMATION	
CONTRACTOR	See Sheet 2
WORK STAKED BY	
INSPECTED BY	
FIELD NOTES BY	
CHECKED BY	
MICRO-FILM INFORMATION	
RECORDED BY	
NO.	

REFERENCES	
MAP NO. M1112/N1112	
REVISIONS	
NO.	DATE
DESIGNED BY WILSON & CO. MAP DATE: 1991	
DRAWN BY M.D. DATE: 6/1/91	
CHECKED BY J.G. DATE: 10/91	





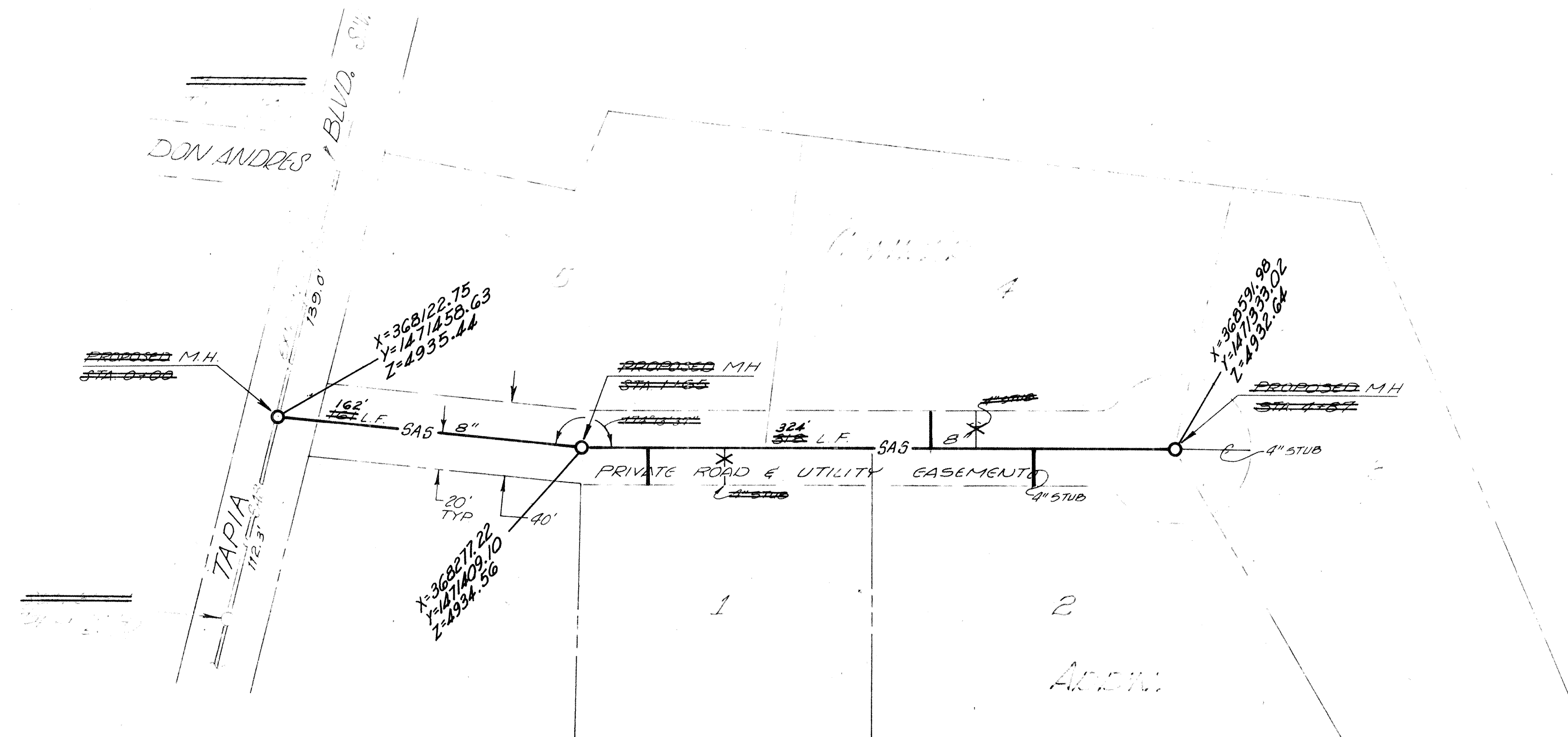
CITY OF ALBUQUERQUE					
WATER RESOURCES DEPARTMENT					
SOUTH VALLEY PHASE I PRIORITY II SANITARY SEWERS					
E.P.A. PROJECT NO. C-35-1076-02					
SANFORD AVENUE				390-7	
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Traffic		
Liquid Waste			Water		
DRAWING NO.			SHEET 12		
			OF 14		

PLAN

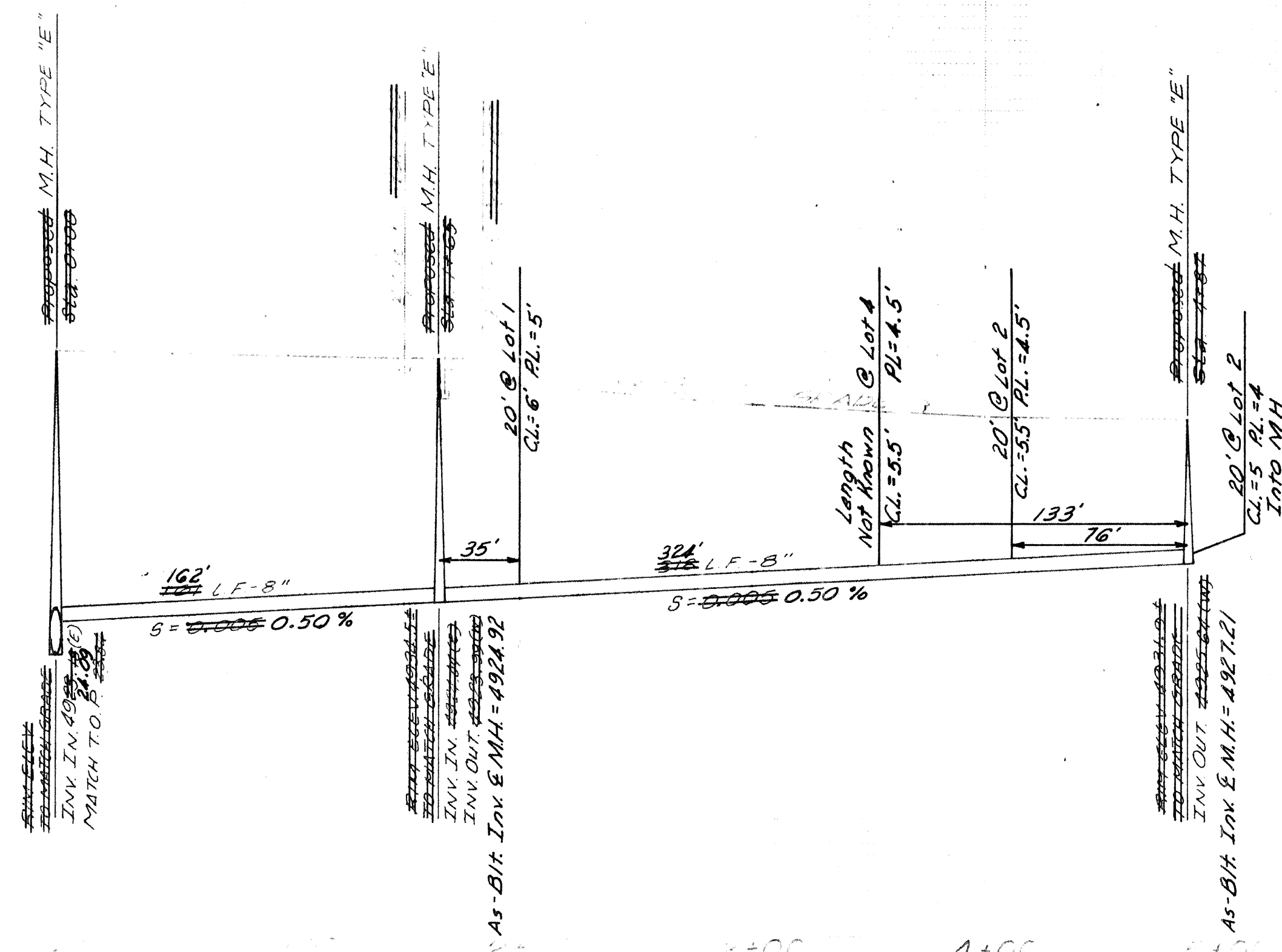
SCALE: 1"=50'

PROFILE

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



- NOTES THIS SHEET:
- 1) Sanitary Sewer Pipe
 - 2) 8" P.V.C. w/ Bell & Spigot Joint
 - 3) Precast Concrete Manholes Throughout
 - 4) See Sheet 14 of 14, Contract 4, South Valley Phase I, Priority II Sewers, for Sewer Service Connection Summary
 - 5) X, Y = Ground Coordinates of Manhole Lid Center Referenced To Albuquerque Control Survey (ACS) Monument 5-M12. Note, Coordinates Have Not Been Reduced To Geodetic Values
 - 6) Z = Manhole Rim Elevation Based On Mean Sea Level Datum (National Geodetic Survey (NGS))
 - 7) CL = Service Line Depth @ Sewer Main
 - 8) PL = Service Line Depth @ Property Line
 - 9) Service Line & Riser Information As Provided By Contractor



APPROVED FOR
CONSTRUCTION
3/4/83
dan 26, 1983

CHIEF ENGINEER, WRD

PROJECT UNDER THE GUIDANCE OF		CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT	
TITLE		8" SAS CONRAD ADDN. CONTRACT 4 S.V.S.P.	
DESIGNED BY	DATE	CHECKED BY	DATE
DRAWN BY	DATE	APPROVED BY	DATE
NO	DATE	REVISIONS	BY
REMARKS			
DESIGN			

AS BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	REFERENCES	FIELD NOTES	DATE
CONTRACTOR		NO	NO	NO	
INSPECTOR'S					
ACCEPTANCE BY					
VERIFICATION BY					
DRAWING					
NO					

SCANNED BY
MESA REPRO

LINE NUMBER	SHEET NO	STREET	1.TBC 6"-15" dia. pipe, 0'-6' trench depth	2.TBC 6"-15" dia. pipe, 6'-8' trench depth	3.TBC 6"-15" dia. pipe, 8'-10' trench depth	4.TBC 6"-15" dia. pipe, 10'-12' trench depth	5.TBC 18"-36" dia. pipe, 8'-12' trench depth	6.Dewatering trench excavation	7.Finish & Install 6" sewer pipe complete in place	8.Finish & Install 24" sewer pipe complete in place	9.Finish & Install 30" sewer pipe complete in place	10.Add for Constr. of sewer line complete in place	11. 3' dia. Barrel type MH, less than 2' depth	12. 4' dia. Type "C" or "E" MH, 2' to 6' depth	13. 4' dia. MH, additional depth over 6'	14. 6' dia. Type "C" or "E" MH, 6' to 12' depth complete in place	15. 6' dia. MH, additional depth over 6'	16. 24" Core-Drilled top in 8'-15" top complete	17. 24" Core-Drilled top in 6'-8" top complete	18. 4" DIP for service stubs, & risers & 45° service bends	19. Remove, Replace old, relocate 6" water line	20. Remove, Replace old, relocate 8"-10" water line	21. Concrete encasement of sewer line	22. Remove and replace of exist. Asphalt Concrete	23. 6" subgrade compacted incl. grading and shaping all ways and ditches	24. Bituminous prime coat	25. 2" Asphaltic Concrete Course (Gradation C)	26. Gravel Surface	
394	4	Blake Rd.					881	881		881			1	6	1	5		12	144	48				2155	2155	2155	2155		
390	46	Tapia Blvd.				4158	4158		4158				13	83				66	792	345		500		10170	10170	10170	10170		
390-1	7	Michelle Rd.		143	554	163		750	860				3	6				10	280	12	890							2105	
390-2	7	Meadow Rd.		901	227	63		1000	1191				3	2				13	196	32								2915	
390-3	8	Criss Rd.		1140	320	50		300	1510				4	2				19	260	5			1					3695	
390-4	8	Jerry Rd.	1069	340	232	93		300	1734		637	1	4	1				14	185	3	872							3700	
390-4A	9	Jerry Rd. (N)		526					526				2	2				8	80		160							1290	
390-5	10	Girauda Pl.	64	300	150	250		450	764				3	4				14	350	27				1870	1870	1870	1870		
390-6	10	Don Andres Rd.	708	350	173	135		500	1366				5	2				9	180	12	700							3340	
390-6A	11	Private Rd.	979						979			2	1					6	85									2400	
390-7	12	Sanford Ave.		40	205	125		350	370				1	1				3	60	12				910	910	910	910		
		TOTAL	2820	3740	1861	879	5039	8689	9300	4158	881	637	3	40	109	1	5	96	78	2612	496	2622	500	1	15105	15105	15105	15105	19445
</																													

LINE NUMBER	SHEET NO.	28 Remove and Replace Fencing				29 Add for Bedding Sewer Pipe in Unstable Soils				30 Fire Hydrant Relocation				31 Miscellaneous Excavation																			
		LF	LF	Ea.	CY																												
394	4																																
390	46		1400																														
390-1	7		460																														
390-2	7		1191																														
390-3	8		1510																														
390-4	8	70	1734																														
390-4A	9		533																														
390-5	10		764																														
390-6	10		1363	1																													
390-6A	11		976																														
390-7	12																																
TOTAL		70	9931	1	300																												

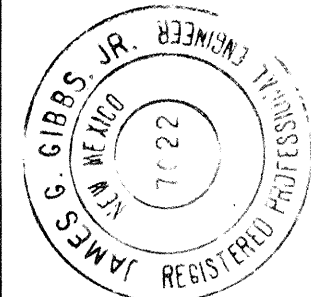
07 001 1383

NOTE: TBC = Trenching, Backfill and Compaction.

4/27/83
4/27/83

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT					
SOUTH VALLEY PHASE I PRIORITY II SANITARY SEWERS E.P.A. PROJECT NO. C-35-1076-02					
CONTRACT 4 SUMMARY OF QUANTITIES (INFORMATION FOR CONTRACTOR ONLY)					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Traffic		
Liquid Waste		11-2-83	Water		
ACE - Design			SHEET 13 OF 14		
ACE - Hydrology					

AS BUILT INFORMATION		BENCH MARKS		REFERENCES	
CONTRACTOR	DATE	CONTRACTOR	DATE	CONTRACTOR	DATE
WORK BY	DATE	WORK BY	DATE	WORK BY	DATE
INSPECTOR'S	DATE	INSPECTOR'S	DATE	INSPECTOR'S	DATE
ACCEPTANCE	DATE	ACCEPTANCE	DATE	ACCEPTANCE	DATE
VERIFICATION	DATE	VERIFICATION	DATE	VERIFICATION	DATE
CORRECTIONS	DATE	CORRECTIONS	DATE	CORRECTIONS	DATE
MICRO-FILM	DATE	MICRO-FILM	DATE	MICRO-FILM	DATE
RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE
NO		NO		NO	



DESIGNED BY: WILSON & CO., ENG.	DATE:
DRAWN BY:	DATE:
CHECKED BY:	DATE:

