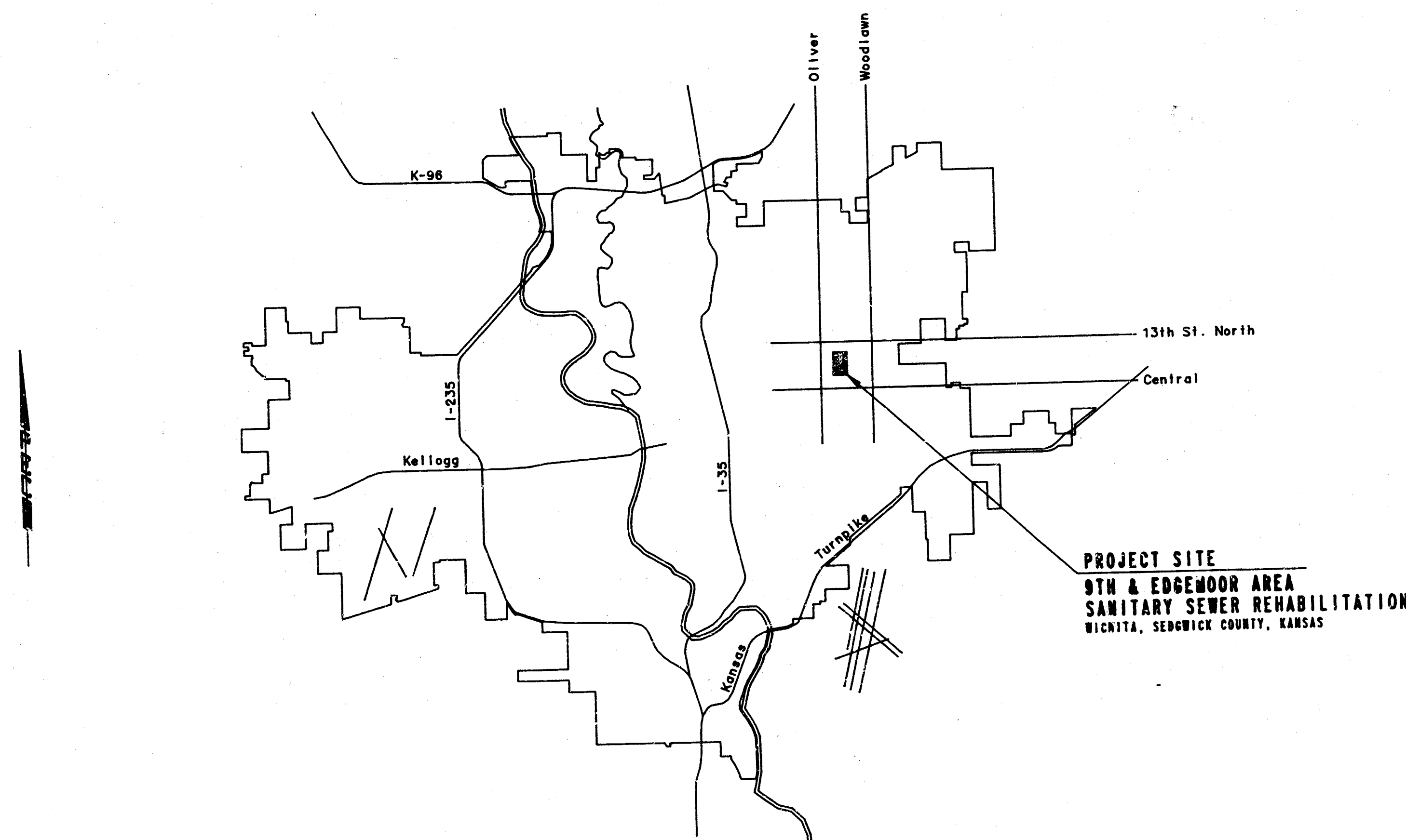


7

PHASE II
ALTER, REPAIR, RECONSTRUCT OR CONSTRUCT SEWERS
BETWEEN BATTIN & EDGEMOOR,
FROM MURDOCK TO 10TH STREET

THE CITY OF WICHITA,
SEDGWICK COUNTY, KANSAS
MICHAEL E. LINDEBAK, P.E. CITY ENGINEER

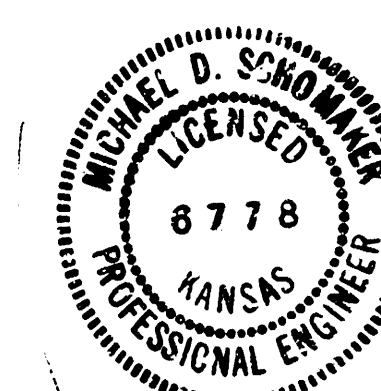
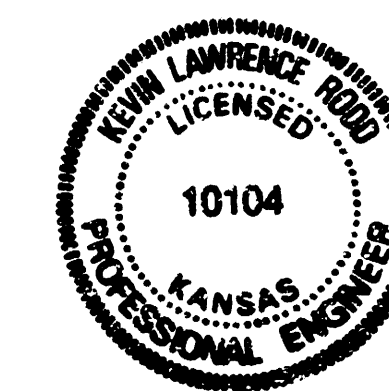


- Index of Sheets
1. Title Sheet
 2. Key Map & General Notes
 - 3-6. Plan - Rehabilitation
 7. Plan - Point Repair
 8. Manhole Schedule

LOCATION MAP
CITY OF WICHITA PROJECT NO. 468-76-245-81498-000-000-001

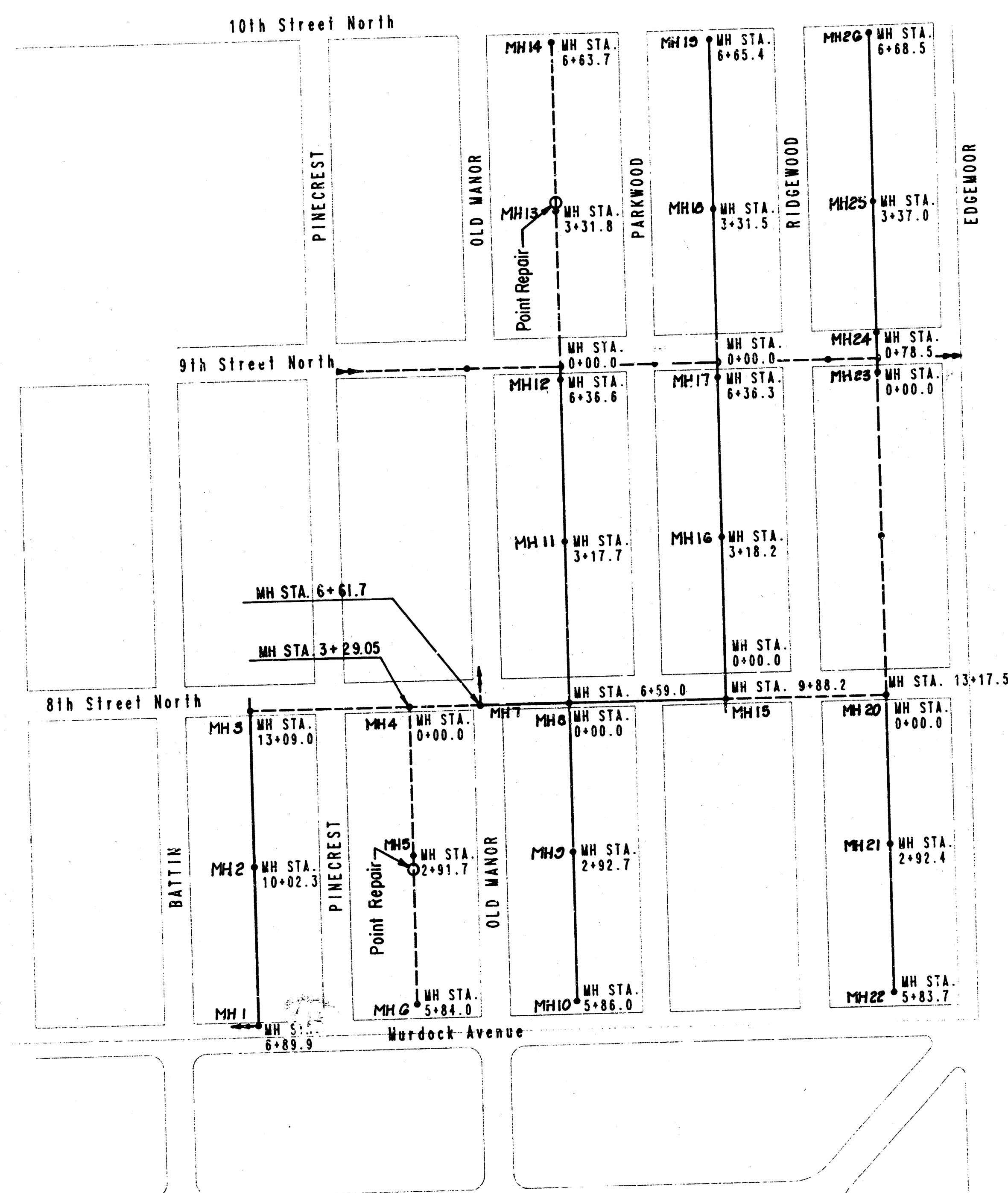
NOVEMBER, 1985

PLANS PREPARED BY
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS



Booked
RDC

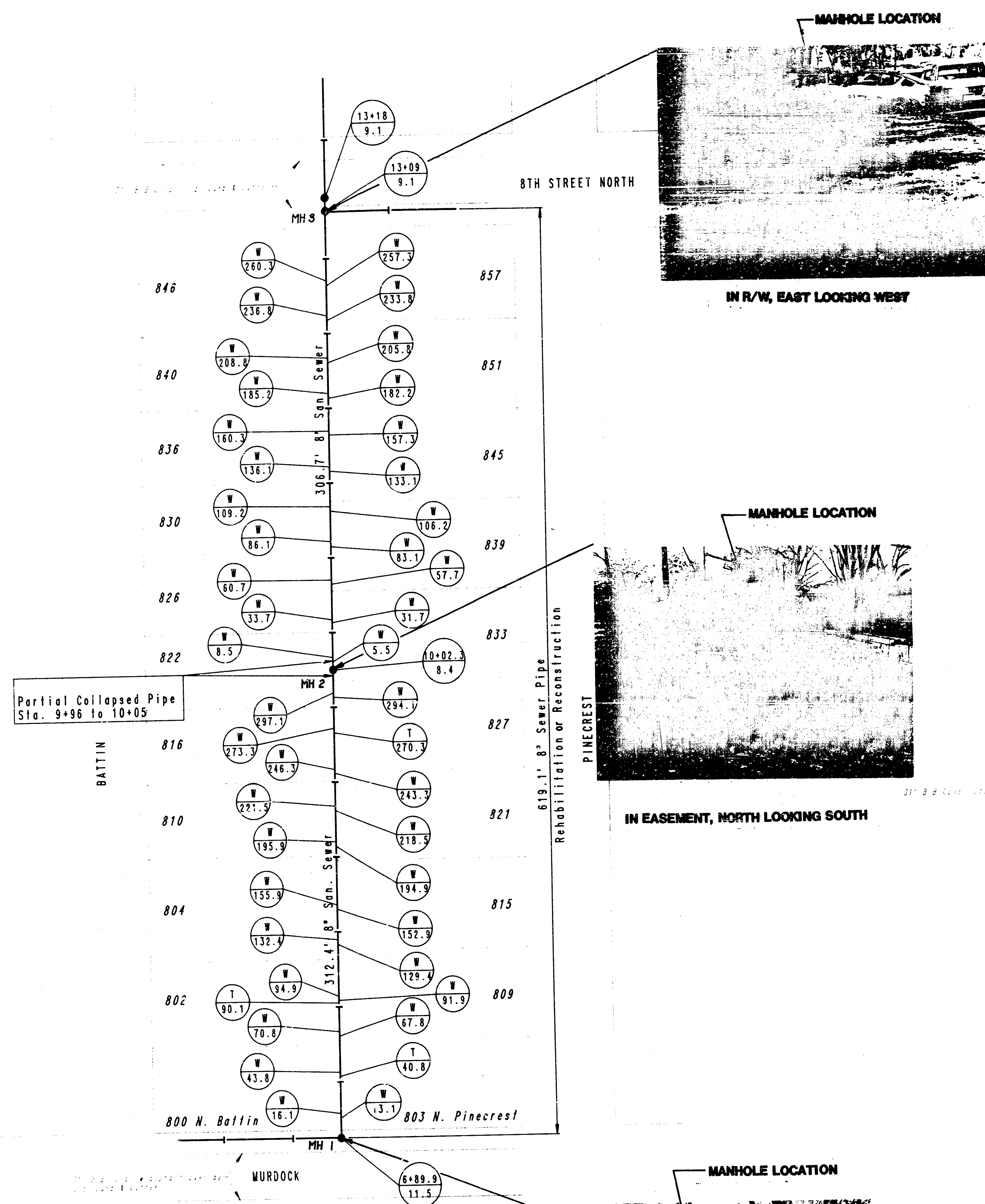
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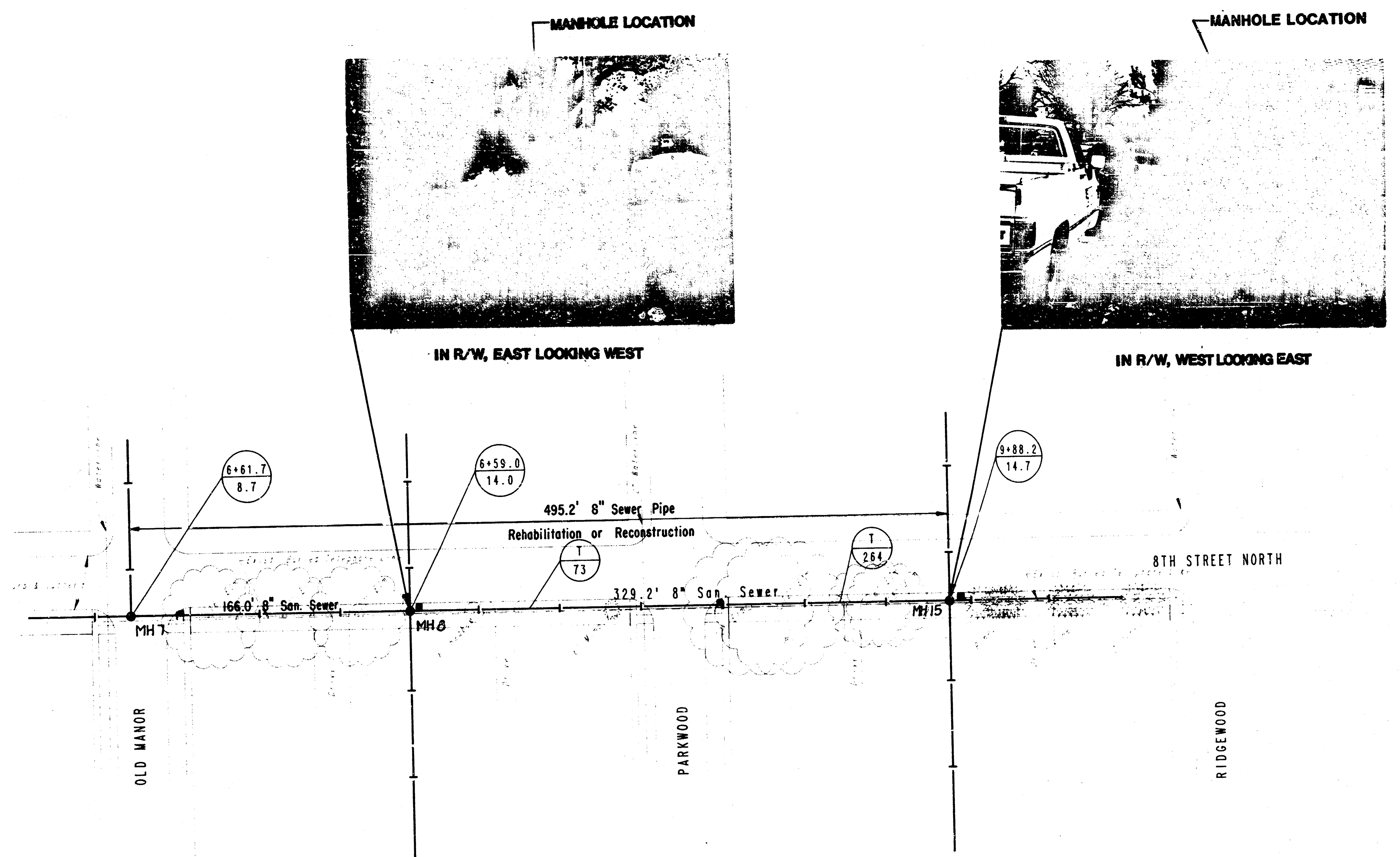
GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.
- AT LEAST 48 HOURS PRIOR TO BEGINNING EXCAVATION, IF REQUIRED, (EXCLUDING WEEKENDS AND HOLIDAYS), THE CONTRACTOR SHALL CONTACT THE KANSAS ONE-CALL SYSTEM, A UTILITY LOCATION SERVICE, AT (316) 687-2470 TO REQUEST THE FOLLOWING UTILITY COMPANIES TO LOCATE ANY EXISTING LINES WITHIN THE PROJECT AREA: GAS SERVICE COMPANY, K.G.B.E., THE WICHITA WATER DEPARTMENT, AND AIR CAPITAL CABLEVISION.
- THE CONTRACTOR MUST ALSO NOTIFY THE TELEPHONE COMPANY AT (316) 571-2115 48 HOURS PRIOR TO BEGINNING EXCAVATION AND REQUEST THAT ANY LINES WITHIN THE PROJECT AREA BE FLAGGED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATING OF BURIED UTILITIES PRIOR TO CONSTRUCTION, AND SHALL EXERCISE EXTREME CAUTION DURING TRENCHING OPERATIONS TO AVOID DAMAGING THESE UTILITIES. UTILITIES DAMAGED SHALL BE REPLACED OR REPAIRED IMMEDIATELY AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL RESTORE ALL DITCHES, SHALES, ROAD SHOULDERS, ENTRANCES, AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO THE OTHER ITEMS OF WORK.
- SHOULD THE CONTRACTOR ELECT TO COMPLETE THIS PROJECT USING OPEN CUT AND REPLACEMENT METHODS THE CONTRACTOR SHALL PROVIDE TO THE CITY PLANS AND SPECIFICATIONS SHOWING THE TOPOGRAPHY ALONG THE ALIGNMENT, AND LINE AND GRADE OF THE PROPOSED SANITARY SEWER AS COMPLETED BY A LICENSED PROFESSIONAL ENGINEER, AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR WILL BE REQUIRED TO GIVE ALL PROPERTY OWNERS AND/OR TENANTS DIRECTLY AFFECTED BY THE CONSTRUCTION OF THIS PROJECT A MINIMUM ADVANCE NOTICE OF SEVEN DAYS PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL AGAIN NOTIFY RESIDENTS IMMEDIATELY PRIOR TO BEGINNING WORK THAT SEWER SERVICE WILL BE DISRUPTED.
- TREES OR SHRUBS LOCATED WITHIN THE UTILITY EASEMENT SHALL NOT BE REMOVED WITHOUT PRIOR APPROVAL BY THE ENGINEER. TREES OR SHRUBS OUTSIDE OF THE UTILITY EASEMENT SHALL NOT BE REMOVED.
- NO BUILDING SERVICE CONNECTION SHALL BE WITHOUT SANITARY SEWER SERVICE FOR MORE THAN 24 HOURS. ANY SERVICE CONNECTION THAT CANNOT BE REINSTATED SHALL BE REPLACED AT NO EXTRA COST TO THE PROJECT.
- ONLY ACTIVE BUILDING SEWER LINES WHICH CONNECT ACTUAL BUILDINGS TO THE SEWER SYSTEM ARE TO BE RECONNECTED TO THE NEW SEWER CONSTRUCTION. BUILDING SEWER LINES AND/OR CONNECTIONS WHICH HAVE BEEN ABANDONED ARE NOT TO BE RECONNECTED TO THE NEW SEWER CONSTRUCTION. IT WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN WHICH BUILDING SEWER LINES AND/OR CONNECTIONS ARE ACTIVE AND WHICH SEWERS AND/OR CONNECTIONS HAVE BEEN ABANDONED. ALL WORK INVOLVED WITH BUILDING SEWER LINE CONSTRUCTION AND/OR BUILDING SEWER CONNECTIONS SHALL CONFORM TO THE APPLICABLE SECTION OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS FLOW OF SEWAGE THROUGH CONSTRUCTION. CONTRACTOR'S PROPOSED METHOD FOR MAINTAINING SEWAGE FLOW SHALL BE APPROVED BY THE ENGINEER. COST OF MAINTAINING FLOW OF SEWAGE THROUGH CONSTRUCTION WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER PAY ITEMS OF WORK.
- ANY FENCE REMOVED FOR CONSTRUCTION SHALL BE REPLACED IN A CONDITION EQUAL TO, OR BETTER, THAN ORIGINAL AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACQUISITION OF ANY ADDITIONAL RIGHTS-OF-WAY OR EASEMENTS NECESSARY TO COMPLETE THE WORK.
- THE CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND BARRICADE TO ROUTE TRAFFIC EITHER THROUGH OR AROUND CONSTRUCTION AS OUTLINED IN THE M.U.T.C.D. TRAFFIC ROUTING SHALL BE APPROVED BY THE ENGINEER.
- PHOTOGRAPHS SHOWN IN THE PLANS WERE TAKEN ON NOVEMBER 22, 1985, AND ARE FOR INFORMATION ONLY.
- THE CONTRACTOR MUST EXAMINE THE CONSTRUCTION SITE PRIOR TO BIDDING AND BE SATISFIED AS TO THE WORK SHOWN FOR COMPLETION. AFTER BIDS HAVE BEEN RECEIVED THE CONTRACTOR SHALL NOT ASSERT THAT THERE WAS A MISUNDERSTANDING OF THE QUANTITIES OF WORK OR OF THE NATURE OF THE WORK TO BE COMPLETED.
- THERE ARE PUBLIC EASEMENTS 16' IN WIDTH CENTERED ON THE REAR PROPERTY LINES IN ALL LOCATIONS OF SANITARY SEWER REHABILITATION.

	Revision		By	Date
	CITY OF WICHITA, KANSAS			
	ALTER, REPAIR, RECONSTRUCT, OR CONSTRUCT A PORTION OF			
	KEY MAP & GENERAL NOTES			
MICHAEL E. LINDEBAK, P.E. CITY ENGINEER				
CITY OF WICHITA PROJECT NO. 468-76-245-81498-000-000-001				
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.				
ENGINEERS				
WICHITA, KANSAS				
Designed by KLR	Job No. 34-85617	Shi. 2 of 8		
Drawn by CAL	Date November, 1985			



A-10
LINE E-86, SEWER BOOK
LATERAL 10, DCS, SS #12



A-6
LINE F-11, F-12, G-146 SEWER BOOK
LATERAL 22, DCS, SS #12
(NOT A PART OF THIS CONTRACT)

LEGEND

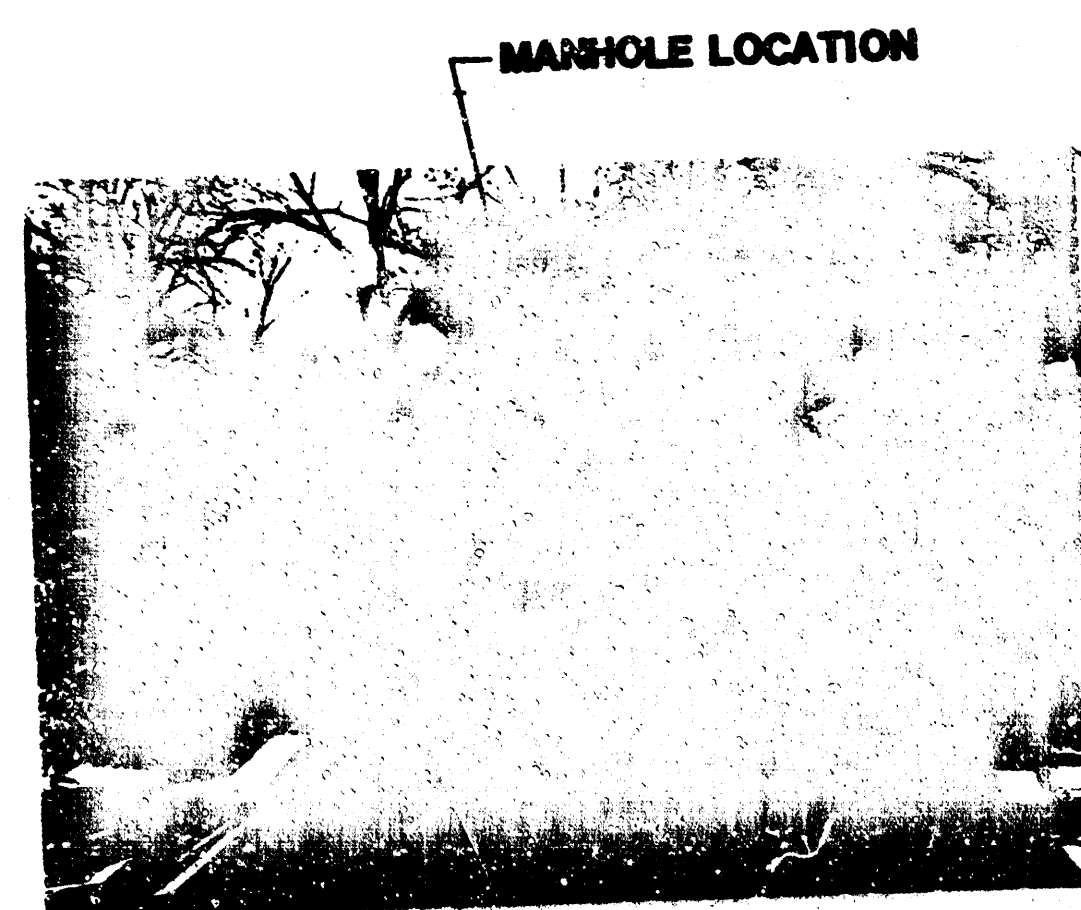
(W) Wye (T) Top
Distance from Downstream Manhole

(W) Manhole Station
(T) Manhole Depth

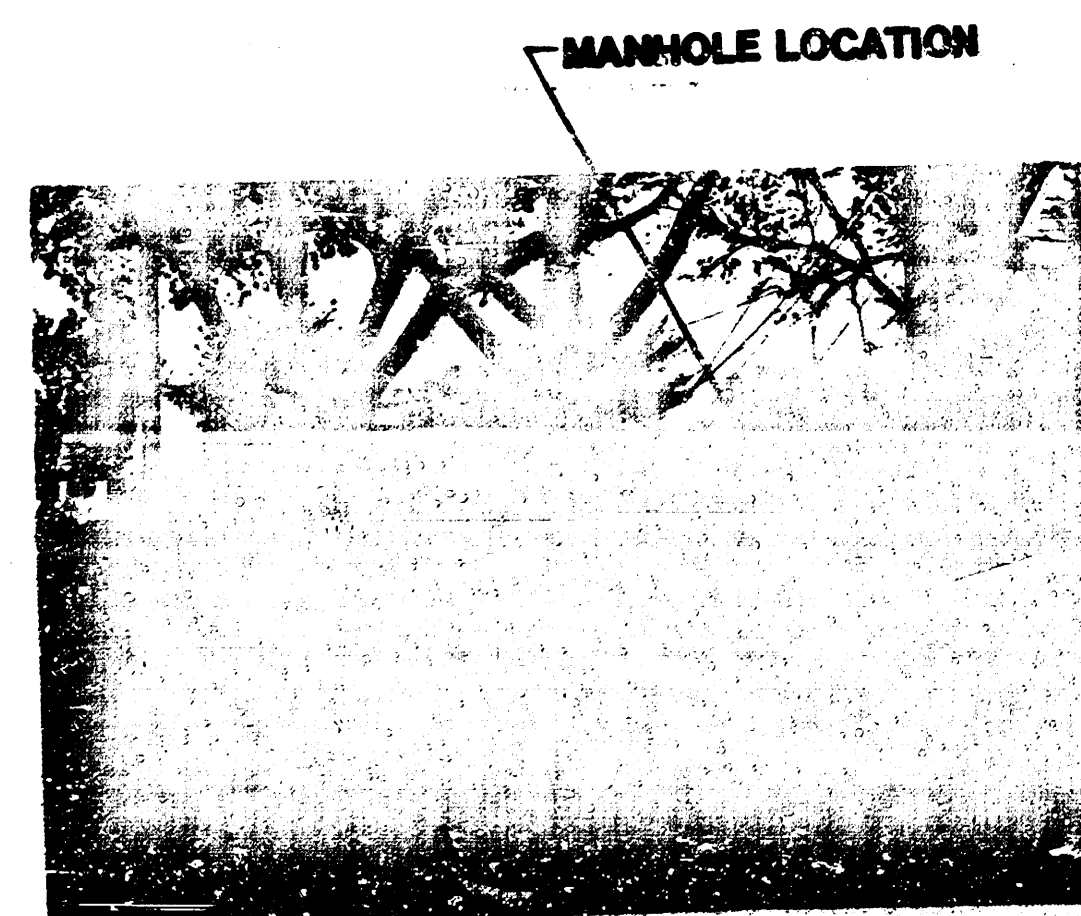
Sanitary Sewer

Scale: 1" = 50'

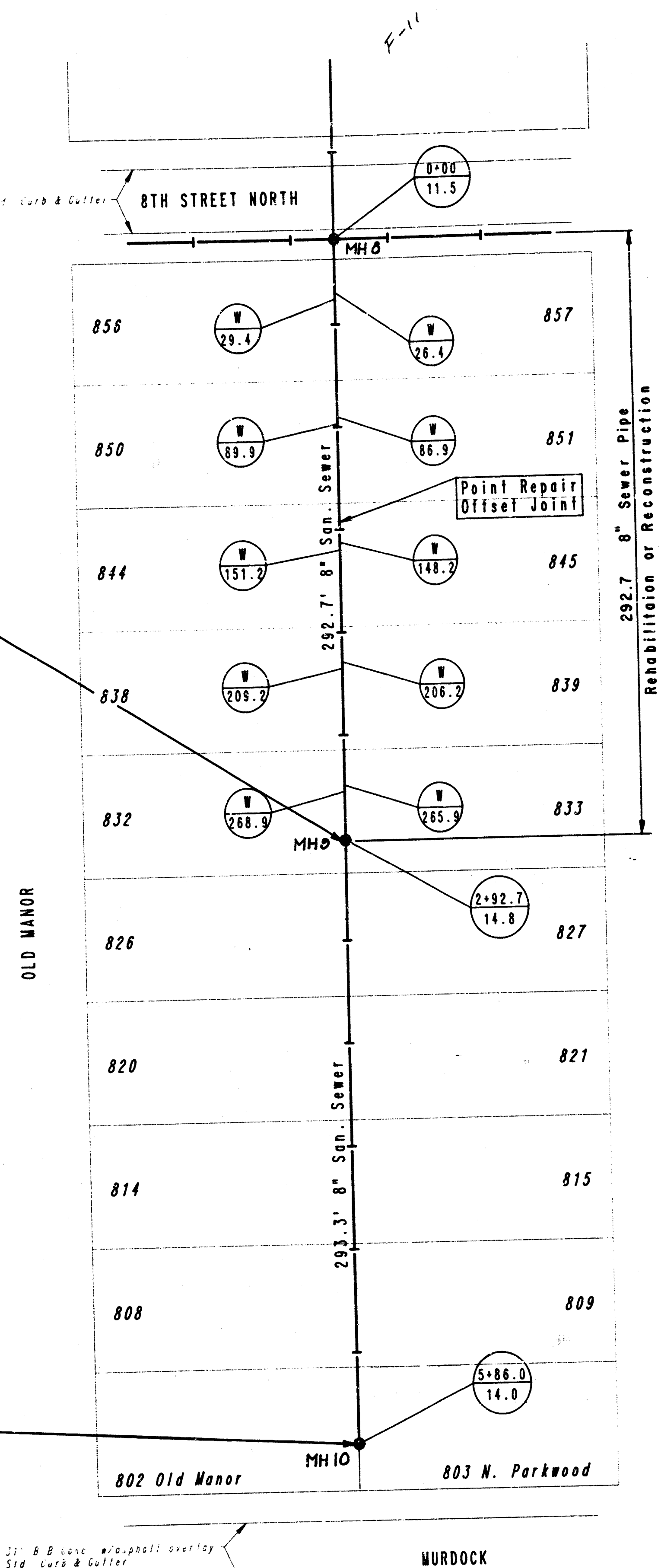
	Revision		By	Date
	CITY OF WICHITA, KANSAS			
	ALTER, REPAIR, RECONSTRUCT, OR CONSTRUCT A PORTION OF			
	LATERAL 10 & 22, DCS, SS #12			
MICHAEL E. LINDEBAR, P.E. CITY ENGINEER				
CITY OF WICHITA PROJECT NO. 468-76-245-81498-000-000-001				
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.				
ENGINEERS				
WICHITA, KANSAS				
Designed by KLR	Job No. 34-85617	Sht. 3 of 8		
Drawn by CAL	Date November, 1985			



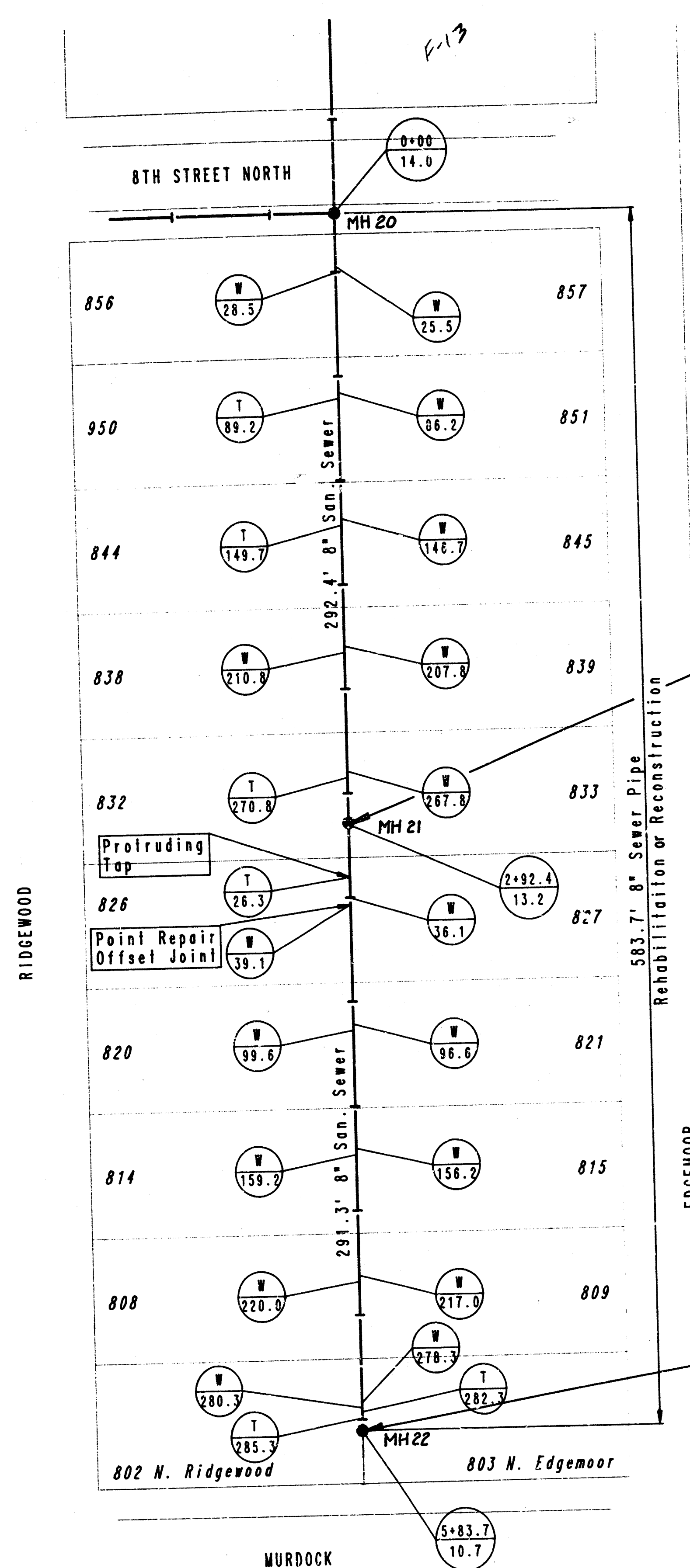
IN EASEMENT, NORTH LOOKING SOUTH



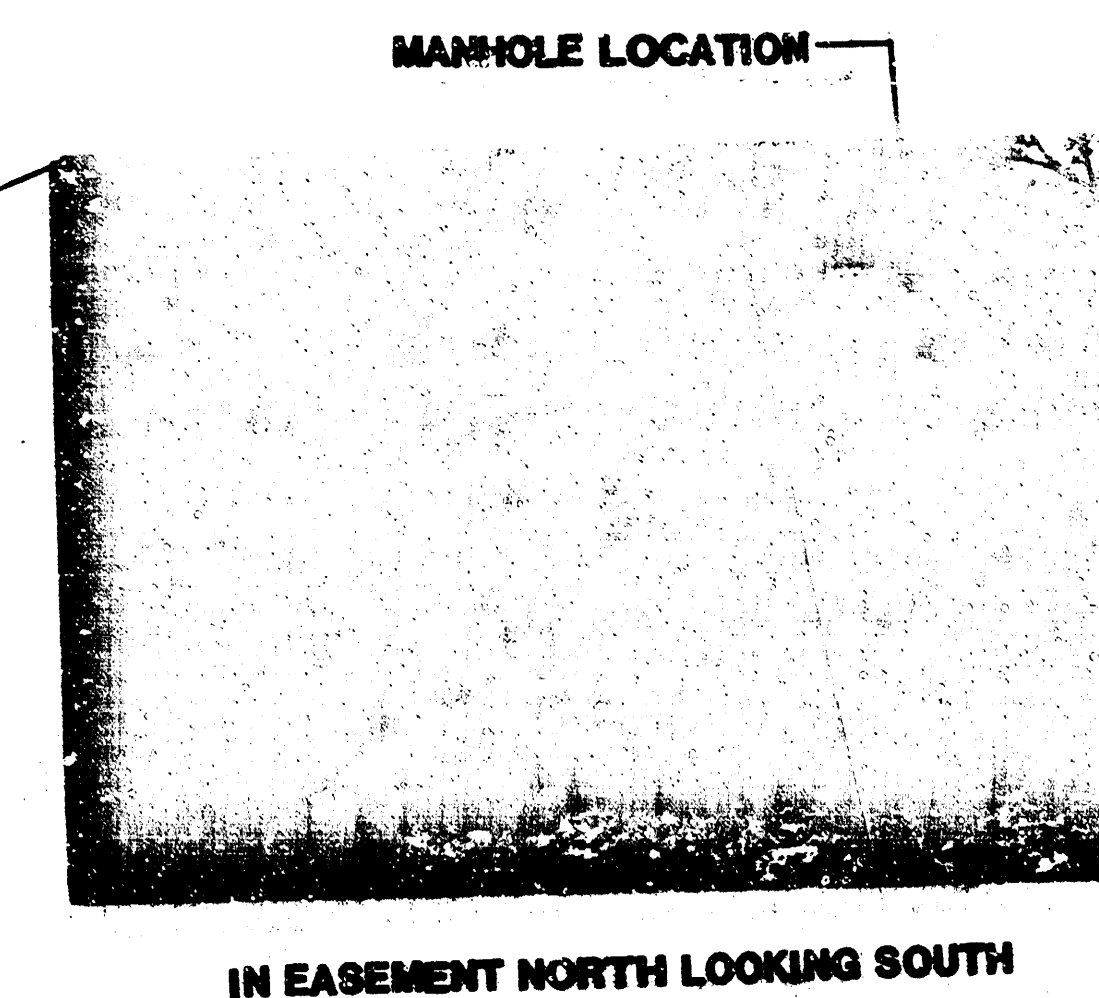
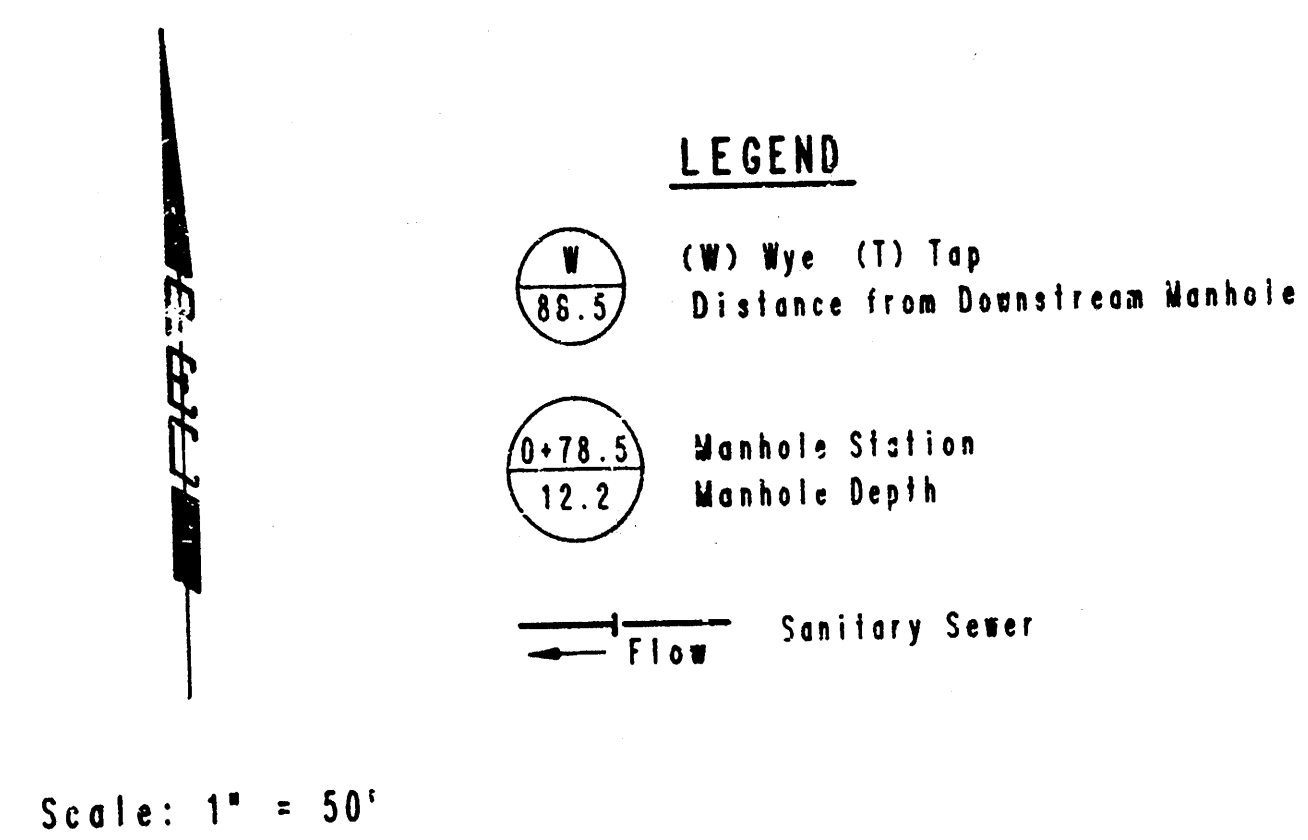
IN STREET, EAST LOOKING WEST



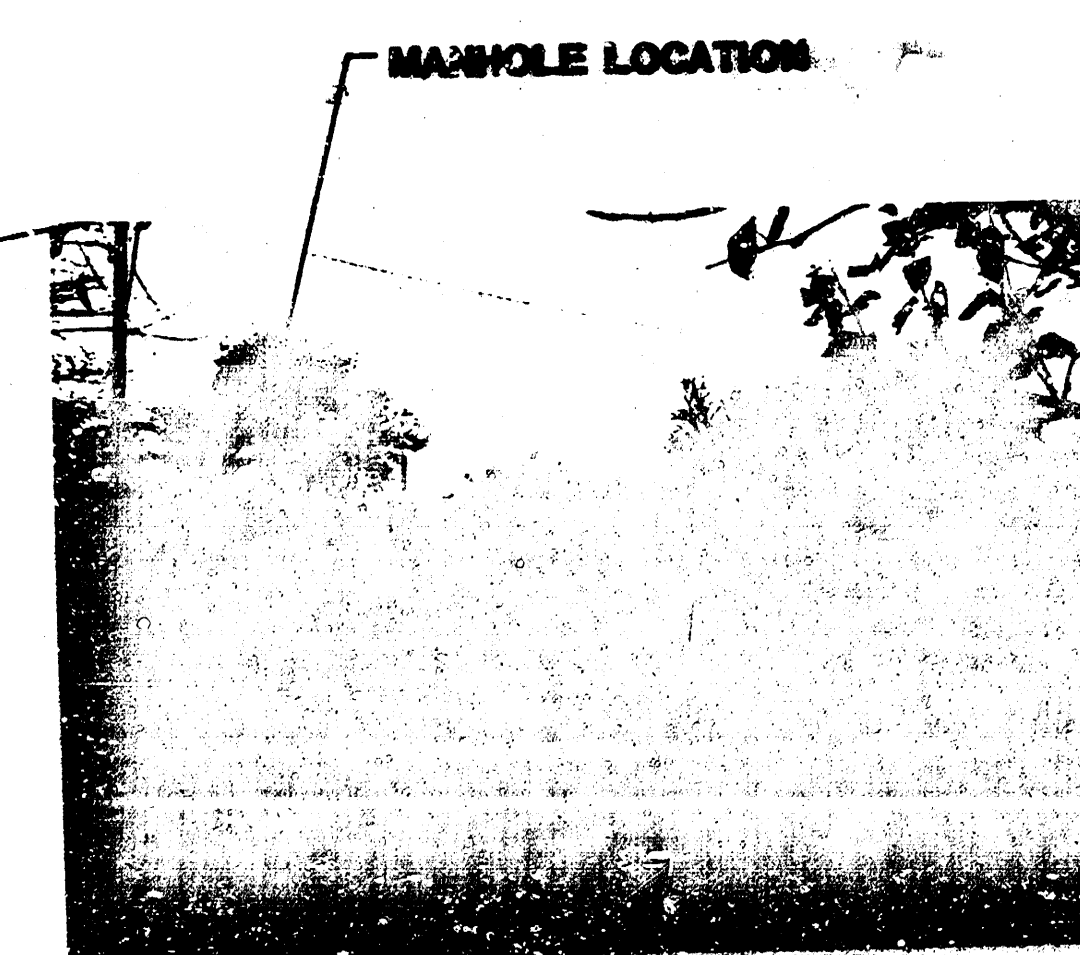
A-9
LINE 5, F-11, SEWER BOOK
LATERAL 22, DCS, SS #12



A-4
LINE 8, F-13 SEWER BOOK
LATERAL 22, DCS, SS #12

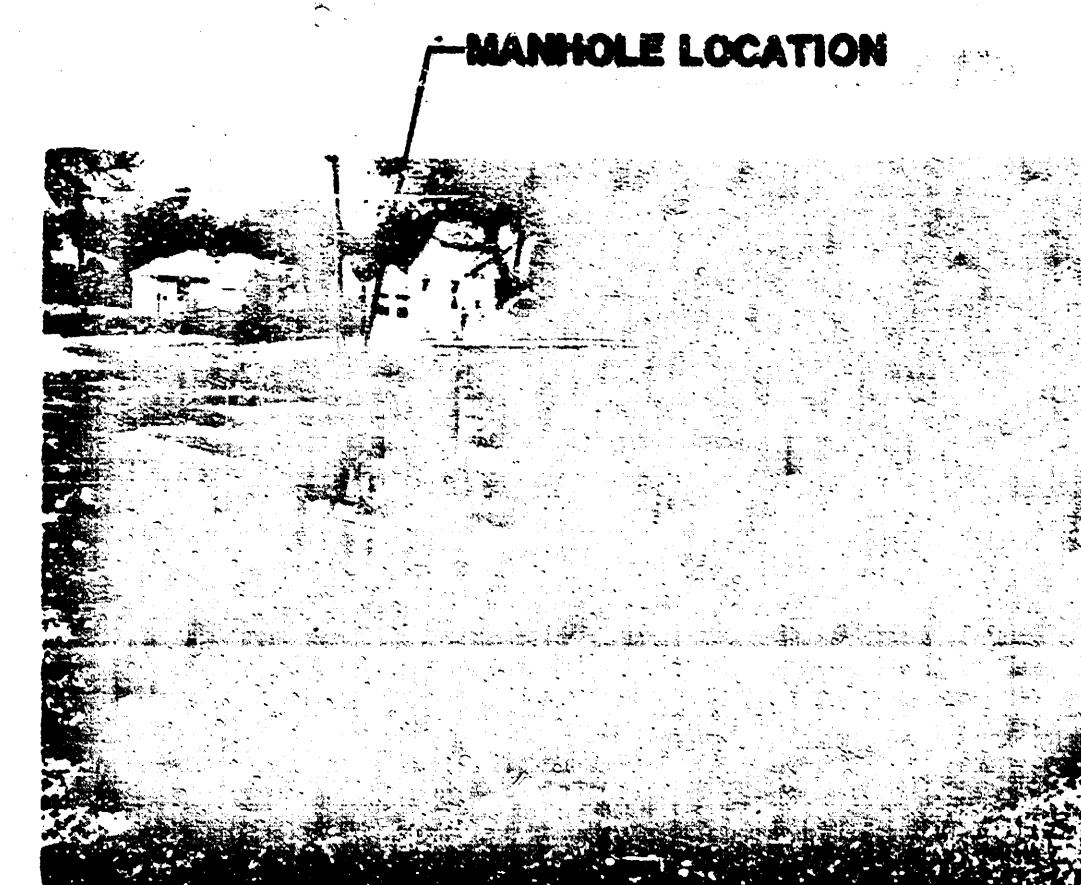


IN EASEMENT NORTH LOOKING SOUTH

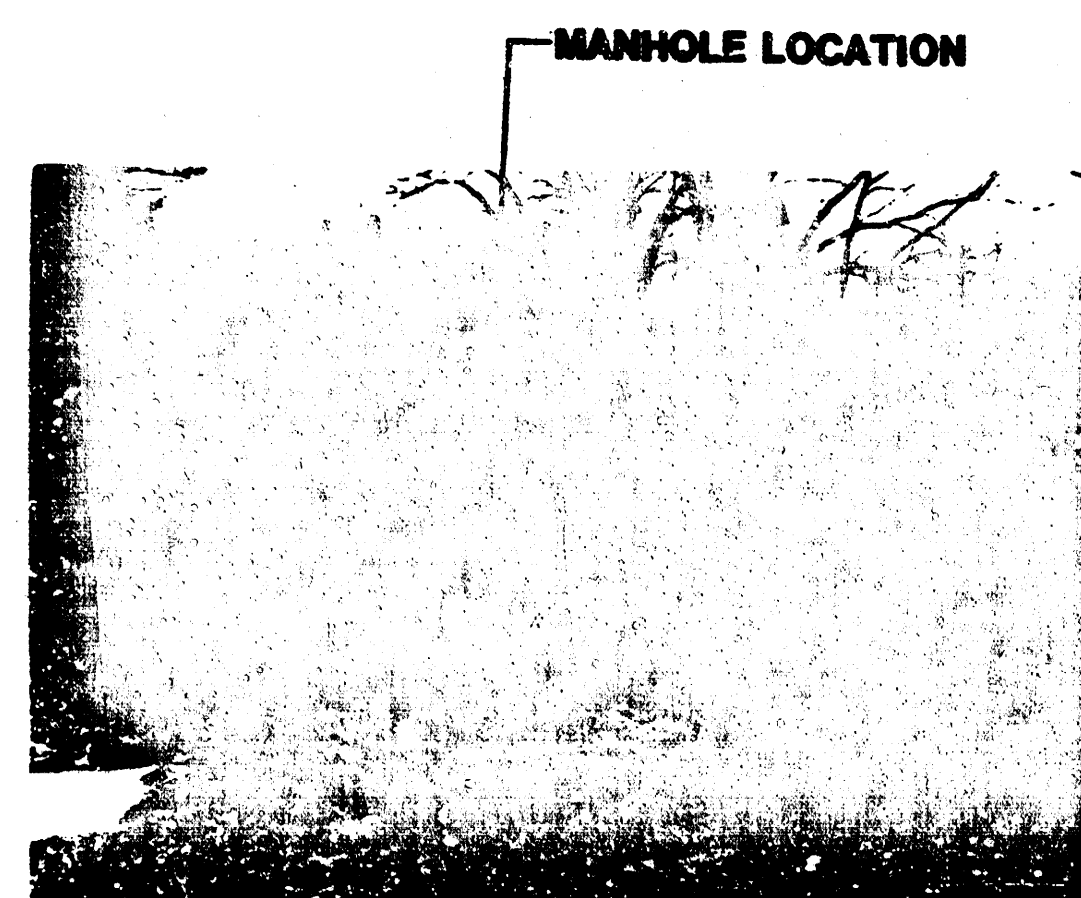


IN EASEMENT, NORTH LOOKING SOUTH

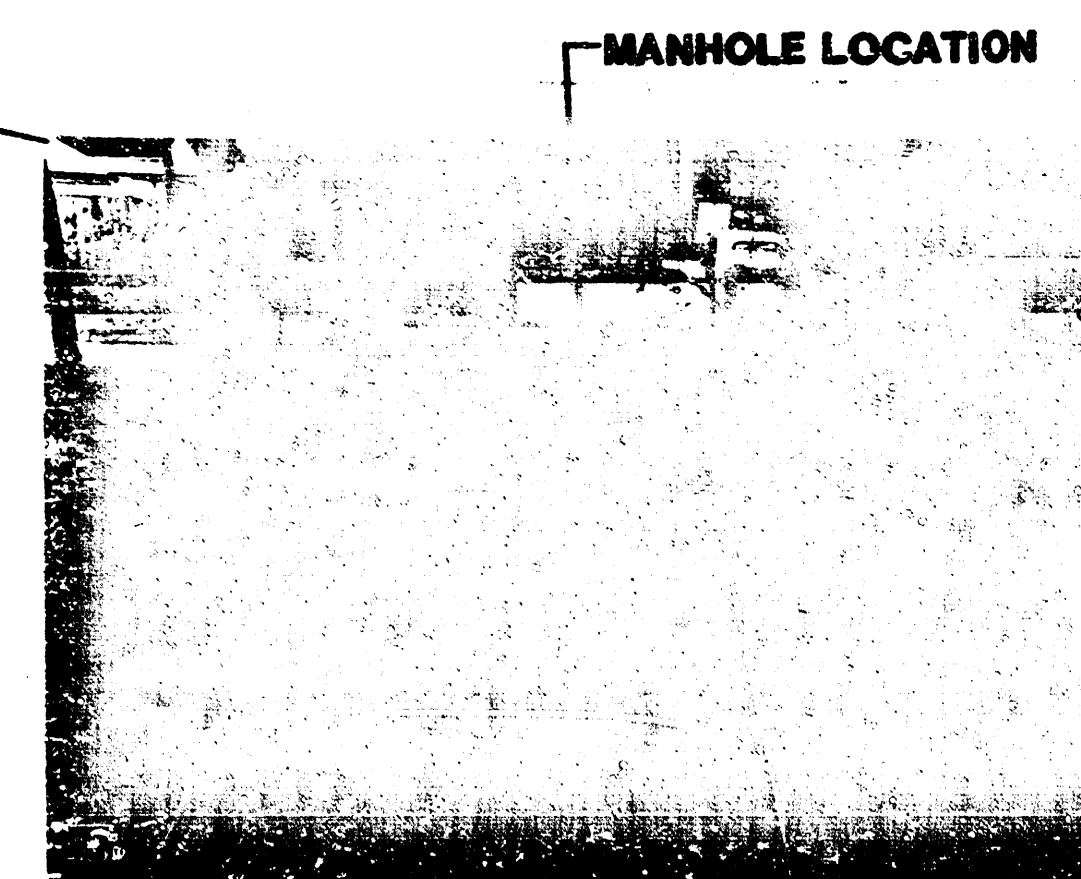
	Revision		By	Date
	CITY OF WICHITA, KANSAS			
	ALTER, REPAIR, RECONSTRUCT, OR CONSTRUCT A PORTION OF			
	LATERAL 22, DCS, SS #12			
	MICHAEL E. LINDEBAK, P.E. CITY ENGINEER CITY OF WICHITA PROJECT NO. 488-76-245-81498-000-001			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS				
Designed by KLR	Job No. 34-85817	Shl. 4 of 8		
Drawn by CAL	Date November, 1985			



IN R/W, EAST LOOKING WEST



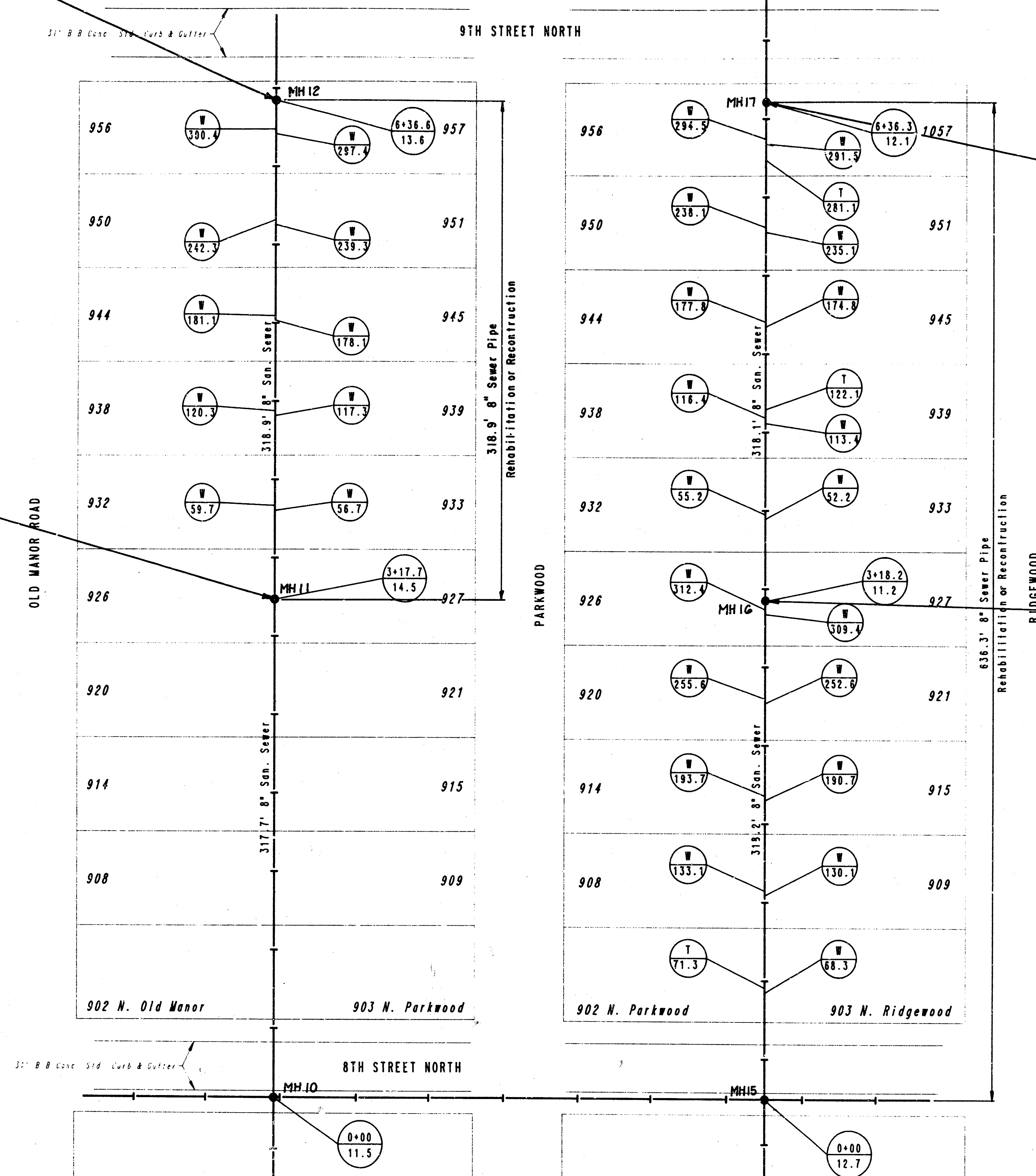
IN YARD, WEST LOOKING EAST



IN EASEMENT, SOUTH LOOKING NORTH



IN EASEMENT, SOUTH LOOKING NORTH



A-3
LINE 5, F-11 SEWER BOOK
LATERAL 22, DCS, SS #12
(NOT A PART OF THIS CONTRACT)

A-8
LINE 7, F-12 SEWER BOOK
LATERAL 22, DCS, SS #12

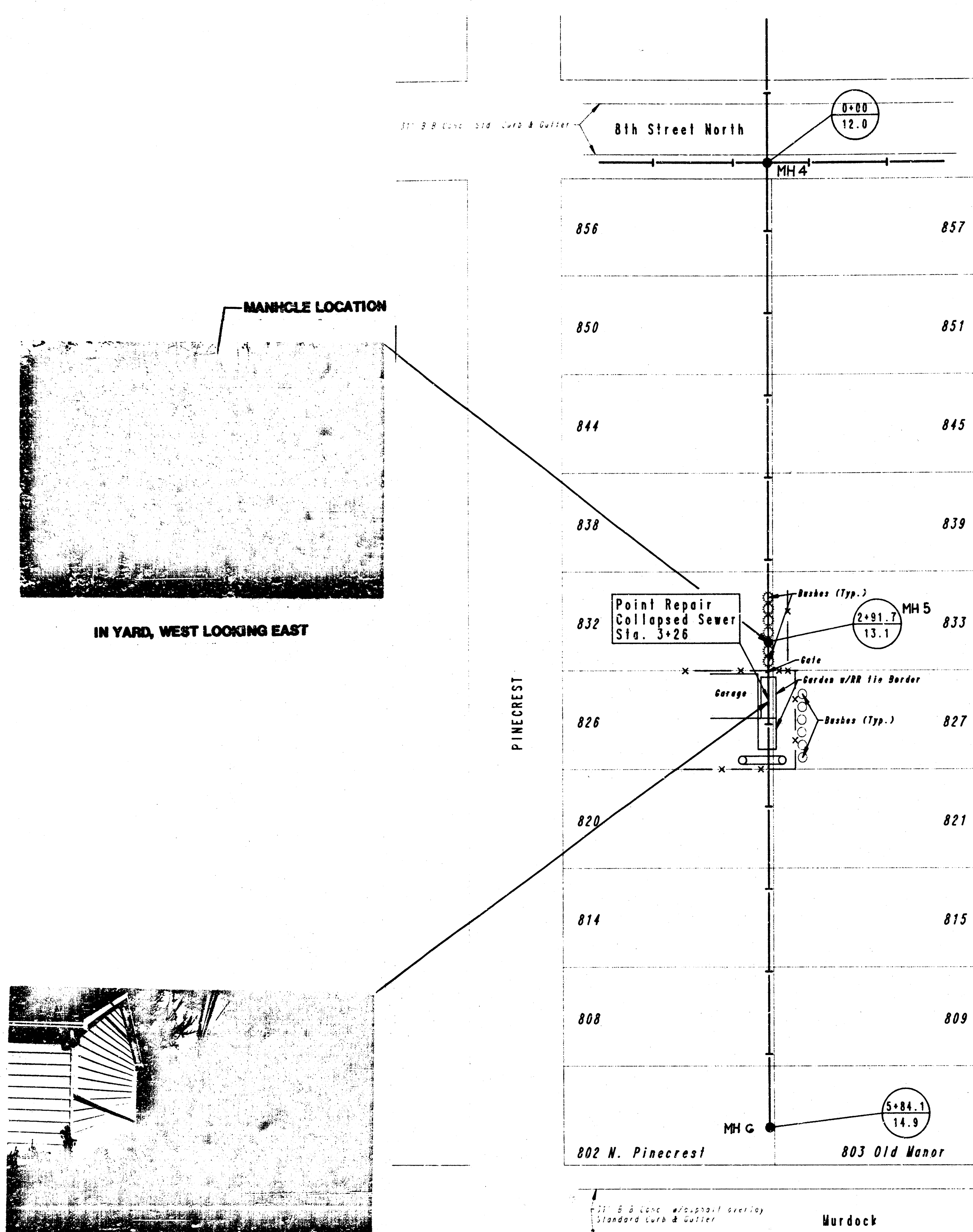
SEE
SHEET 10

LEGEND

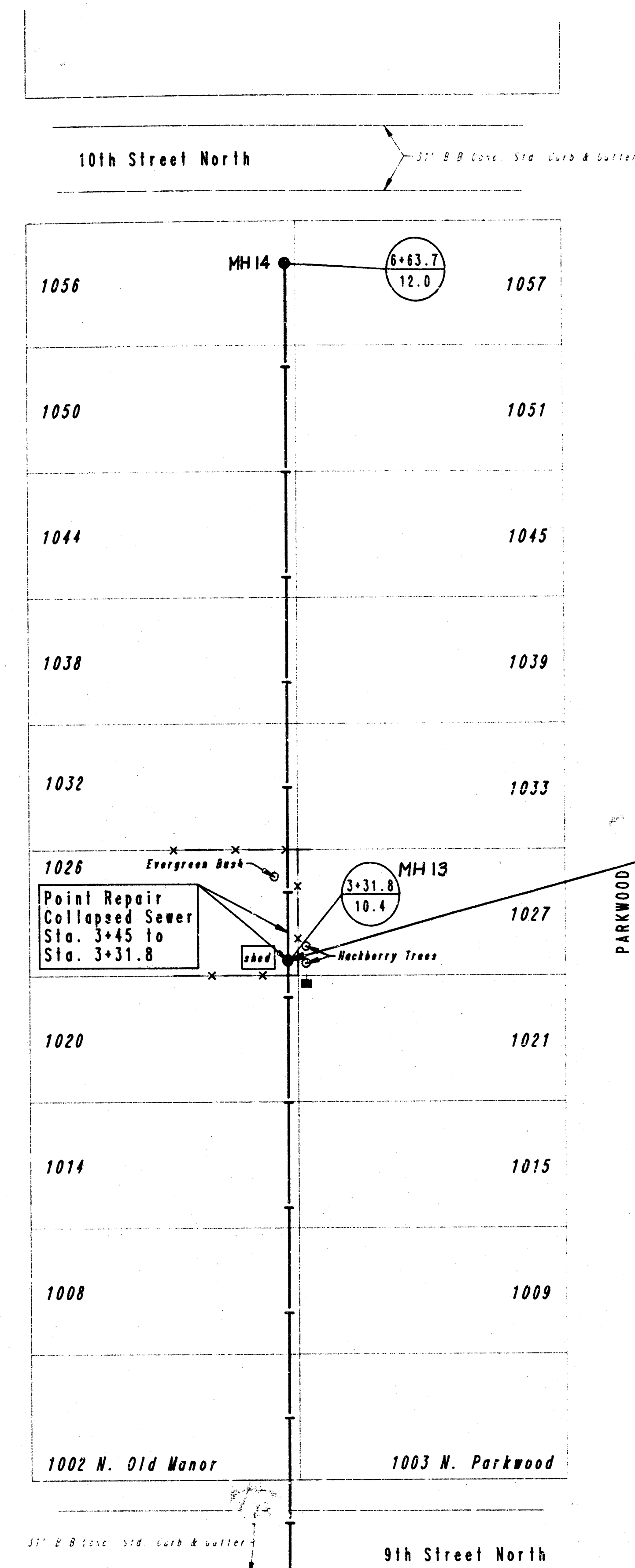
- (W) Wye (T) Top
Distance from Downstream Manhole
- Manhole Station
Manhole Depth
- Flow Sanitary Sewer

Scale: 1" = 50'

	No.	Revision	By	Date
	CITY OF WICHITA, KANSAS			
	ALTER, REPAIR, RECONSTRUCT, OR CONSTRUCT A PORTION OF			
	LATERAL 22, DCS, SS #12			
	MICHAEL E. LINDEBAK, P.E., CITY ENGINEER CITY OF WICHITA PROJECT NO. 468-76-245-81498-000-001			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS				
Designed by KLR	Job No. 34-85617	Date November, 1985		Sh. 5 of 8
Drawn by CAL				

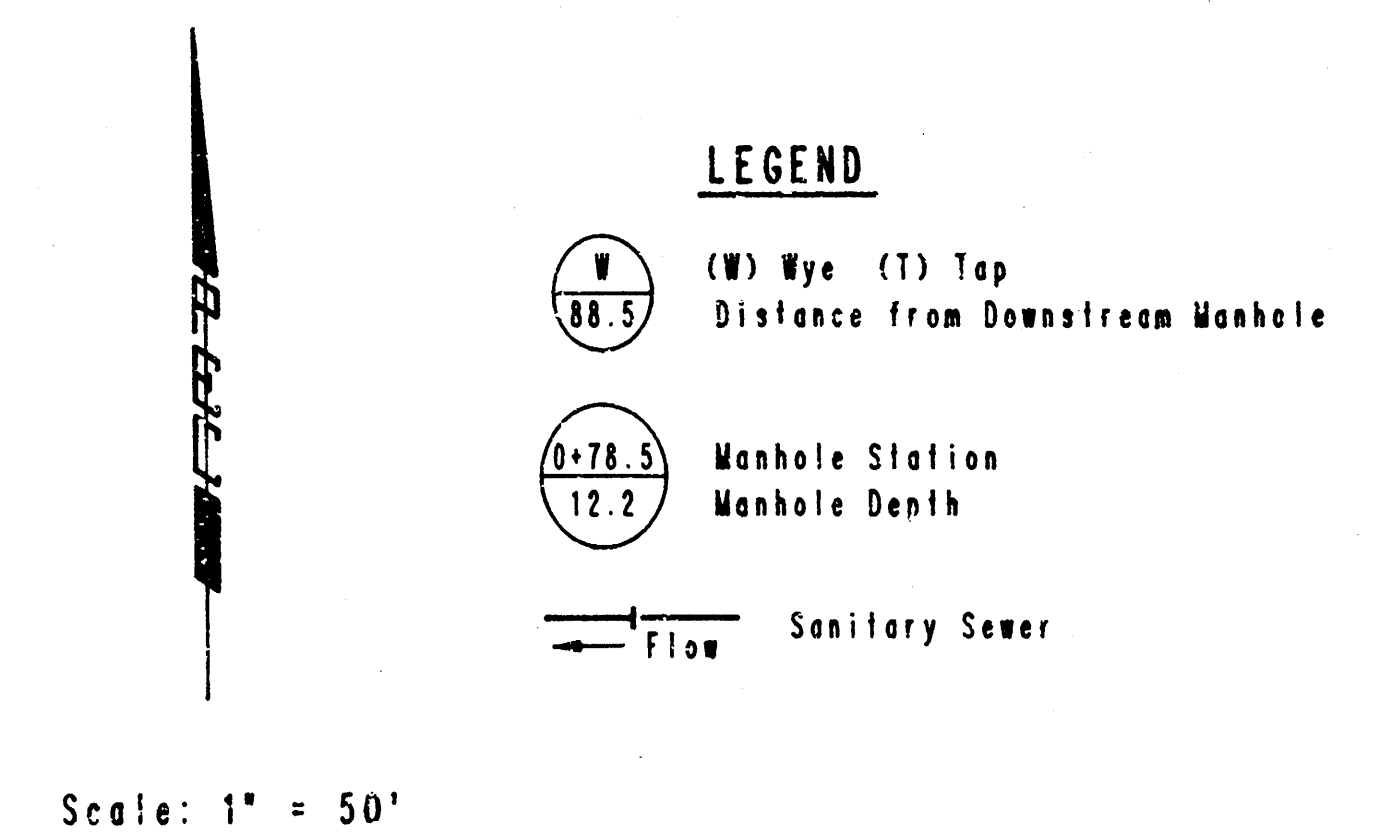


A-5
LINE 2, F-10, SEWER BOOK
LATERAL 22, DCS, SS #12



A-2
LINE 2, F-55 SEWER BOOK
LATERAL 27, DCS, SS #12

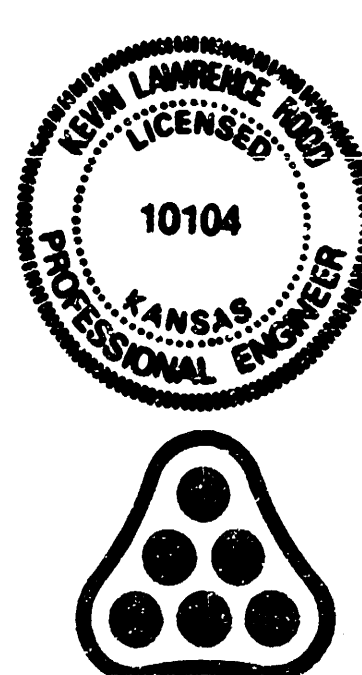
POINT REPAIR ONLY



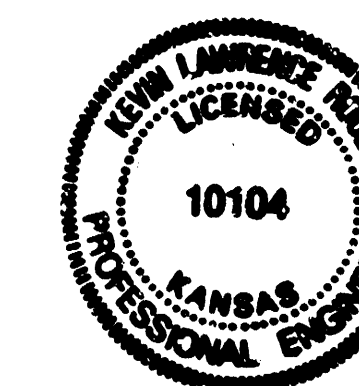
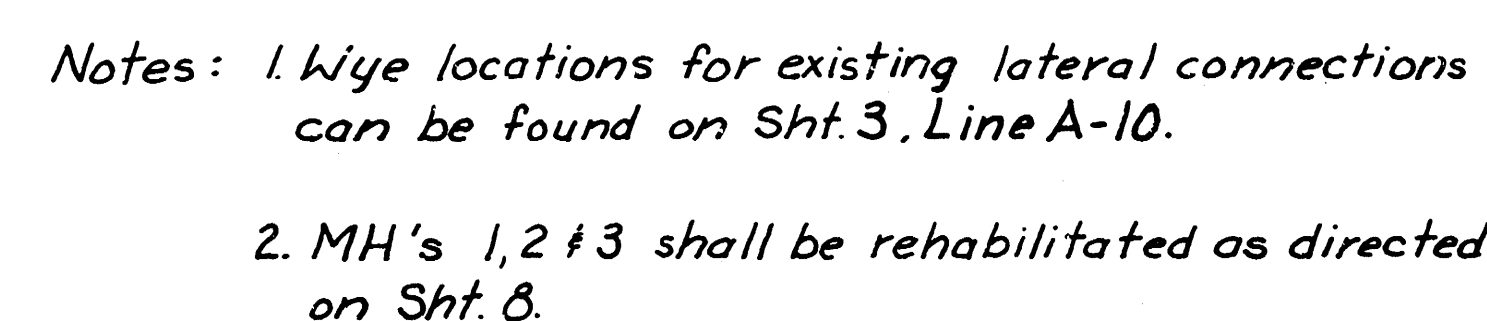
	No.	Revision	By	Date
	CITY OF WICHITA, KANSAS			
	ALTER, REPAIR, RECONSTRUCT, OR CONSTRUCT A PORTION OF			
	LATERAL 22, & 27, DCS, SS #12			
	MICHAEL E. LINDEBAK, P.E. CITY ENGINEER CITY OF WICHITA PROJECT NO. 468-76-245-81498-000-000-001			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS				
Designed by KLR	Job No. 34-85817	Sht. 7 of 8		
Drawn by CIL	Date November, 1985			

MANHOLE NUMBER	MANHOLE STATION	SANITARY SEWER LATERAL	TYPE OF CONSTRUCTION	NO ACTION NECESSARY	CLEAN INTERIOR WALLS	REMOVE CAST IRON MH STEPS	RESHAPE BENCH	REPOINT INTERIOR MH WALLS & REPLACE MISSING OF BRITTLE BRICK	RESHAPE CHANNEL	REMOVE ROOTS & CHEMICALLY TREAT TO PREVENT REGROWTH	APPLY SEALANT TO INTERIOR MANHOLE WALLS	REPLACE ASPHALT IN MH COVER	SEAL COVER FRAME TO MANHOLE WITH NON-SHRINK GROUT	ADJUST MANHOLE TOP TO 0.4' ABOVE EXISTING GRADE	GENERAL MANHOLE LOCATION	MANHOLE NUMBER
1	6+89.9	Lateral 10, DSC, SS #12	Brick		X	X	X	X	X	X	X				Between Pinecrest & Ballin at Murdock	1
2	10+02.3	Lateral 10, DSC, SS #12	Brick		X	X		X			X				822 N. Ballin	2
3	13+09.0	Lateral 10, DSC, SS #12	Brick	X											Between Pinecrest & Ballin at 8th Street	3
4	3+29.0	Lateral 22, DSC, SS #12	Brick		X	X	X	X	X		X				Between Old Manor & Pinecrest at 8th Street	4
5	2+91.7	Lateral 22, DSC, SS #12	Brick	X											832 N. Pinecrest	5
6	5+84.0	Lateral 22, DSC, SS #12	Brick	X											Between Old Manor & Pinecrest at Murdock (803 Old Manor)	6
7	6+61.7	Lateral , DSC, SS #12	Brick		X					X	X				Old Manor & 8th Street	7
8	6+59.0	Lateral 22, DSC, SS #12	Brick		X		X	X	X	X	X		X	X	Between Parkwood & Old Manor at 8th Street	8
9	2+92.7	Lateral 22, DSC, SS #12	Brick	X											823 N. Old Manor	9
10	5+86.0	Lateral 22, DSC, SS #12	Brick	X											Between Parkwood & Old Manor at Murdock	10
11	3+17.7	Lateral 22, DSC, SS #12	Brick		X			X		X	X				926 N. Old Manor	11
12	6+36.6	Lateral 22, DSC, SS #12	Brick		X		X	X	X						Between Parkwood & Old Manor at 9th Street	12
13	3+31.8	Lateral 27, DSC, SS #12	Brick	X											1026 N. Old Manor	13
14	6+63.7	Lateral 27, DSC, SS #12	Brick		X		X	X	X		X		X		Between Parkwood & Old Manor at 10th Street	14
15	9+88.2	Lateral 22, DSC, SS #12	Brick		X	X	X	X		X	X			X	Between Ridgewood & Parkwood at 8th Street	15
16	3+18.2	Lateral 22, DSC, SS #12	Brick		X					X					926 N. Parkwood	16
17	6+36.6	Lateral 22, DSC, SS #12	Brick	X					X						Between Ridgewood & Parkwood at 9th Street	17
18	3+51.5	Lateral 27, DSC, SS #12	Brick						X		X				1026 N. Parkwood	18
19	6+65.4	Lateral 27, DSC, SS #12	Brick	X											Between Ridgewood & Parkwood at 10th Street	19
20	13+17.5	Lateral 22, DSC, SS #12	Brick		X			X							Between Edgemoor & Ridgewood at 8th Street	20
21	2+92.4	Lateral 22, DSC, SS #12	Brick	X				X		X					832 N. Ridgewood	21
22	5+83.7	Lateral 22, DSC, SS #12	Brick	X											Between Edgemoor & Ridgewood at Murdock	22
23	0+00.0	Lateral 27, DSC, SS #12	Brick		X				X	X	X				Between Edgemoor & Ridgewood at 9th Street (South Side)	23
24	0+78.5	Lateral 27, DSC, SS #12	Brick		X				X	X	X				Between Edgemoor & Ridgewood at 9th Street (North Side)	24
25	3+37.0	Lateral 27, DSC, SS #12	Brick		X			X		X					1026 N. Ridgewood	25
26	6+68.5	Lateral 27, DSC, SS #12	Brick	X											Between Edgemoor & Ridgewood at 10th Street	26

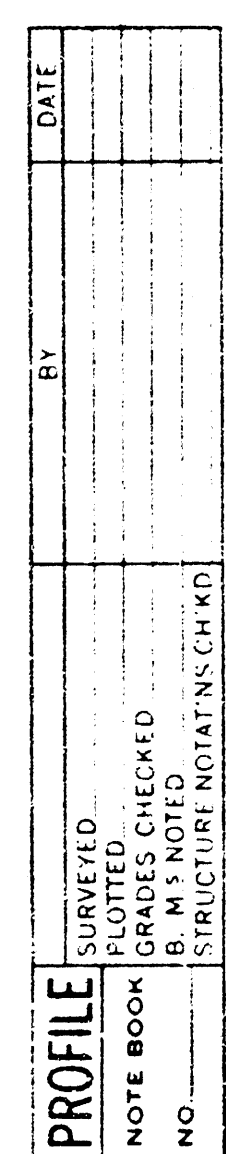
The table above is provided for bid preparation and as a checklist for construction. The Contractor will be required to correct all manhole deficiencies as determined in the field by the Engineer.

	No.	Revision	By	Date
	CITY OF WICHITA, KANSAS			
	ALTER, REPAIR, RECONSTRUCT, OR CONSTRUCT A PORTION OF			
	MANHOLE SCHEDULE			
	MICHAEL E. LINDEBAR, P.E. CITY ENGINEER CITY OF WICHITA PROJECT NO. 468-76-245-81498-000-001			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS				
Designed by KLR	Job No. 34-85617	Shl. 8 of 8		
Drawn by CAL	Date November, 1985			

10 2 5 15



Note: For connections to existing MH's, Contractor shall remove existing Pinecrest brick as required, install pipe and grout in place with non-shrink grout. Pipe flowlines shall match the existing MH flowlines. Invert of MH's shall be grouted as necessary to provide smooth flow.



Sheet	9	of	10
			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
"ENGINEERS" WICHITA, KANSAS			
CITY OF WICHITA, KANSAS ALTER, REPAIR, RECONSTRUCT, OR CONSTRUCT A PORTION OF			
LINE A-10			
MICHAEL E. LINDEBAK, P.E. CITY ENGINEER CITY OF WICHITA PROJ. NO. 468-76-245-81498-000-000-001			
Designed by	<i>KLR</i>	Job No.	<i>34-86127-097</i>
Drawn by	<i>BCH</i>	Date	<i>March 6, 1986</i>

