



**Occidental Chemical Corporation**

Industrial & Specialty Chemicals

**HISTORICAL DATA BASE  
Buffalo Avenue Plant**

prepared for:  
**Wald, Harkrader & Ross**

**Volume IV - Plates**

- **Report on Wastewater Outfall Sewers  
(September 22, 1980)**
- **Sanitary Sewer Field Investigation  
(April 1983)**
- **Wastewater Sewer Field Investigation  
(March 1980)**

REPRINTED ON

APR 26 1985



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012 - SOUTH OF BUFFALO AVE. 'S' & 'V' AREAS  
013 - SOUTH OF BUFFALO AVE. 'U' AREA (INCLUDES SAN.)  
014 - SOUTH OF BUFFALO AVE. 'N' & 'U' AREAS (INCLUDES SAN.)  
015 - SOUTH OF BUFFALO AVE. 'N' AREA (INCLUDES SAN.)  
016 - SOUTH OF BUFFALO AVE. 'S' AREA (INCLUDES SAN.)

**\*\*NOTE\*\***

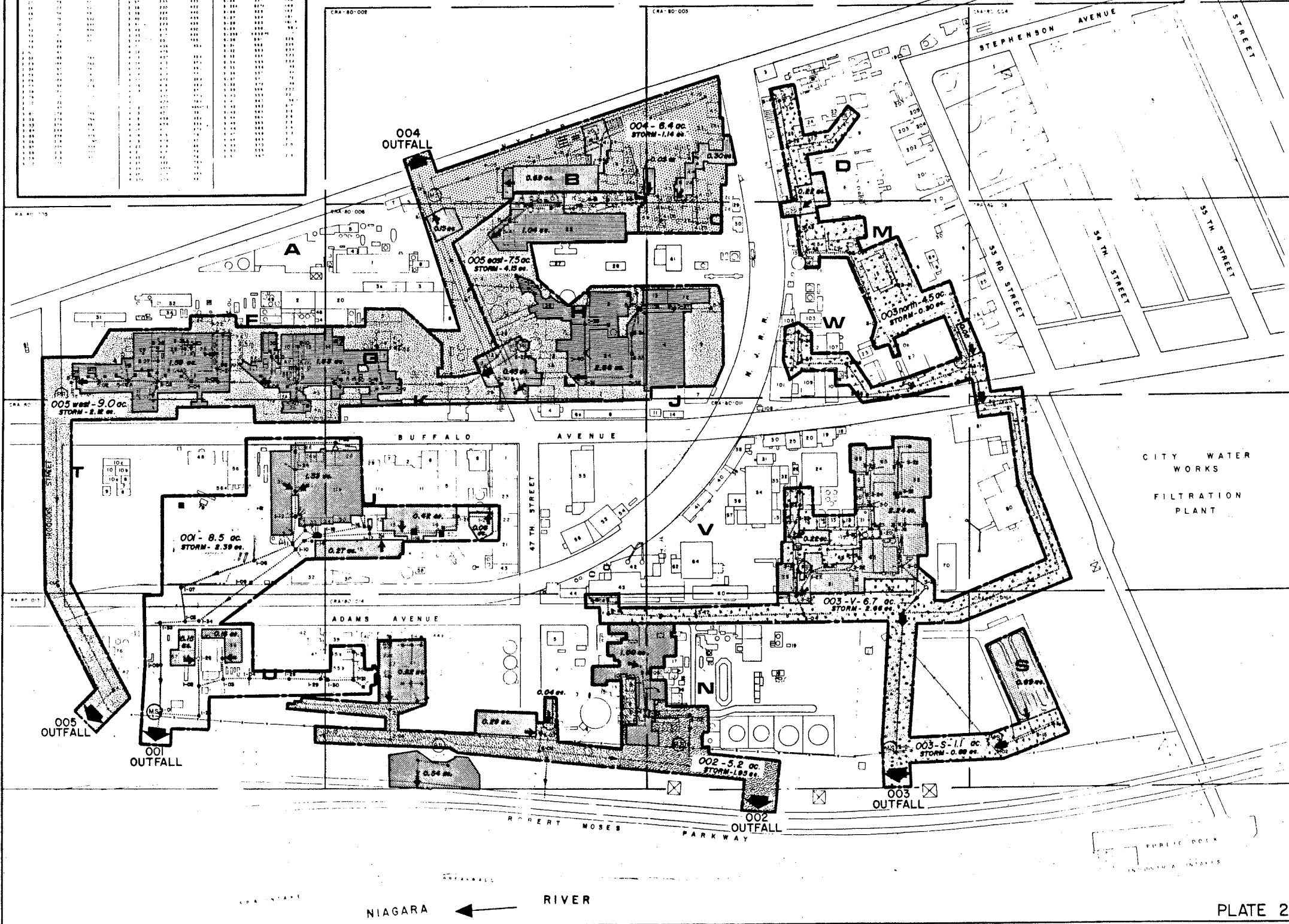
Plate 1 – Wastewater Outfall Sewers and Monitoring Wells

missing from original document

MANHOLE IDENTIFICATION										
MANHOLE NO.	SIZE	DEPTH	DATE	LOCATION	STATUS	REMARKS	DATE	BY	CHKD	REVISED
101	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
102	36"	3.0'	11/10/64	E. of Adams Ave.	OK					
103	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
104	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
105	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
106	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
107	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
108	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
109	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
110	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
111	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
112	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
113	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
114	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
115	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
116	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
117	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
118	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
119	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
120	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
121	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
122	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
123	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
124	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
125	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
126	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
127	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
128	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
129	48"	4.0'	10/15/64	W. of Adams Ave.	OK					
130	48"	4.0'	10/15/64	W. of Adams Ave.	OK					

- A** PLANT AREA DESIGNATION
- W** BUILDING NUMBER
- FENCE LINE
- M** MONITORING STATION
- o** MANHOLE - FIELD VERIFIED
- o** 2" WY OR CATCHBASIN - FIELD VERIFIED
- o** 6" WY OR CATCHBASIN
- o** LIMPING STATION
- o** WASTE WATER SEWER
- o** CONTRIBUTING STUB
- o** OVERFLOW TO SANITARY SEWER
- o** SANITARY CONNECTION
- o** WY NUMBER

- 005 OUTFALL DRAINAGE AREA
- STORM AREA IN OUTFALL 005
- 004 OUTFALL DRAINAGE AREA
- STORM AREA IN OUTFALL 004
- 003 OUTFALL DRAINAGE AREA
- STORM AREA IN OUTFALL 003
- 001 OUTFALL DRAINAGE AREA
- STORM AREA IN OUTFALL 001
- 002 OUTFALL DRAINAGE AREA
- STORM AREA IN OUTFALL 002



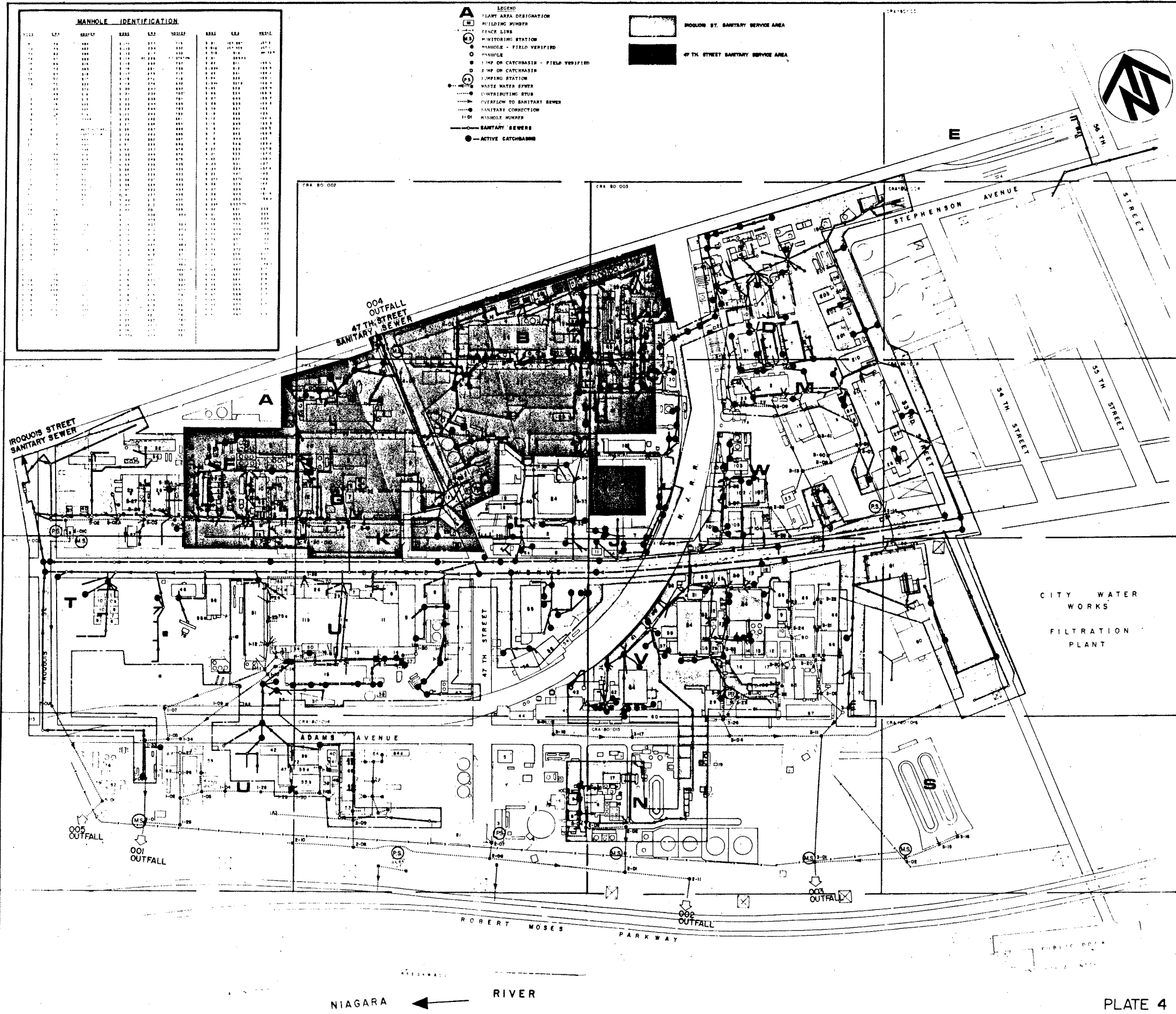
CITY WATER WORKS  
FILTRATION PLANT

PLATE 2

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MANHOLE NO.	LOCATION	SIZE	DEPTH	DATE	BY	CHKD																																																																													
Checked By:																																																																																			
Drawn By:																																																																																			
Project:																																																																																			
Date:																																																																																			
Author:																																																																																			

DCC B-1





**MANHOLE IDENTIFICATION**

MANHOLE NO.	PLAN	ELEVATION	INLET DIA.	OUTLET DIA.	DEPTH	DATE
001	100	220	18"	12"	2'	10/20/80
002	100	215	18"	12"	2'	10/20/80
003	100	210	18"	12"	2'	10/20/80
004	100	205	18"	12"	2'	10/20/80
005	100	200	18"	12"	2'	10/20/80



PLATE 4

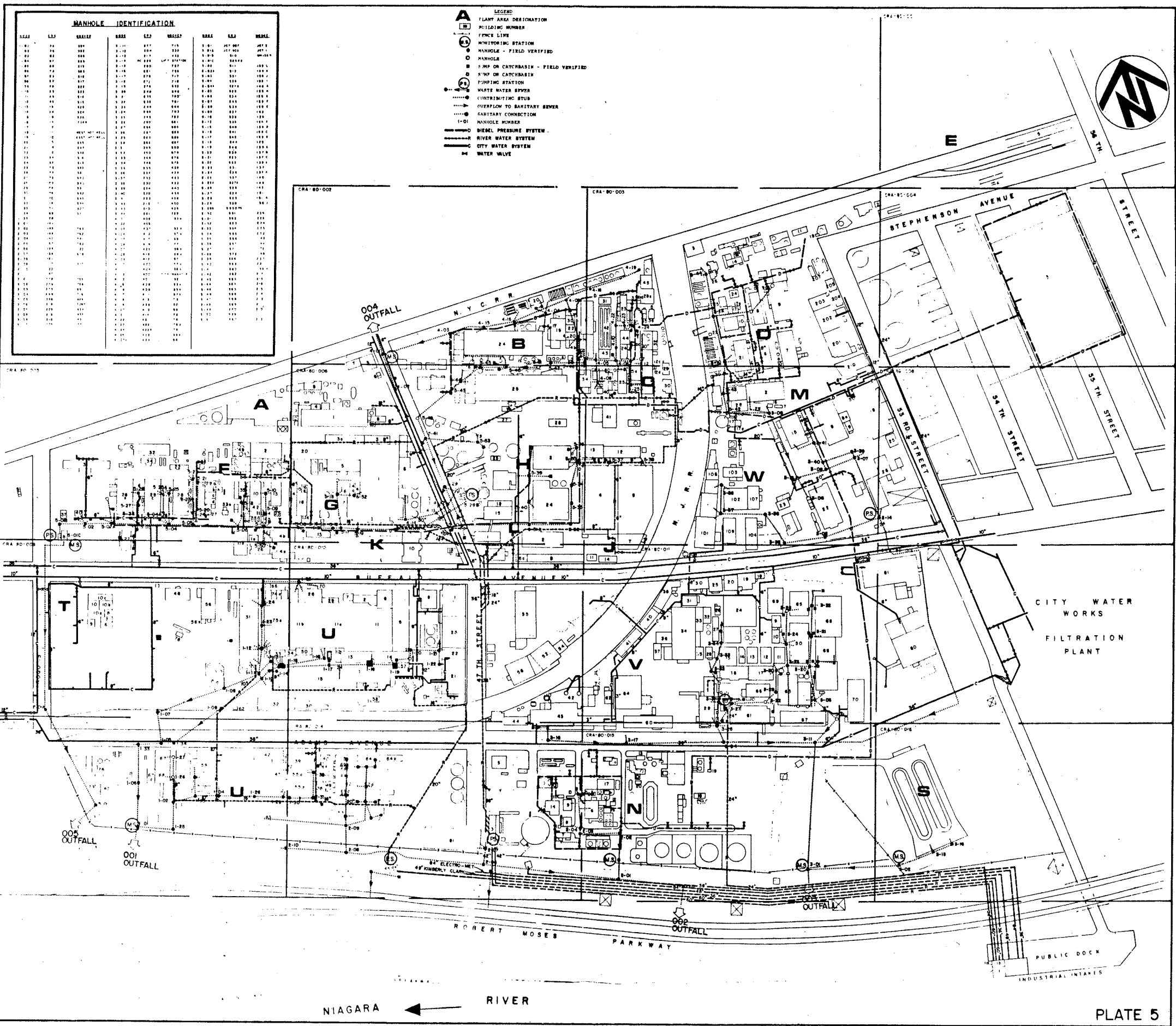
DRAWING NO.	LOCATION	AREA	DRAWING NO.	LOCATION	AREA
CRA-80-001	NIAGARA PLANT, N. OF BUFFALO AVE	E	CRA-80-001	NIAGARA PLANT, 1. OF BUFFALO AVE	1
CRA-80-002	NIAGARA PLANT, N. OF BUFFALO AVE	F	CRA-80-002	NIAGARA PLANT, 2. OF BUFFALO AVE	2
CRA-80-003	NIAGARA PLANT, N. OF BUFFALO AVE	G	CRA-80-003	NIAGARA PLANT, 3. OF BUFFALO AVE	3
CRA-80-004	NIAGARA PLANT, N. OF BUFFALO AVE	H	CRA-80-004	NIAGARA PLANT, 4. OF BUFFALO AVE	4
CRA-80-005	NIAGARA PLANT, N. OF BUFFALO AVE	I	CRA-80-005	NIAGARA PLANT, 5. OF BUFFALO AVE	5
CRA-80-006	NIAGARA PLANT, N. OF BUFFALO AVE	J	CRA-80-006	NIAGARA PLANT, 6. OF BUFFALO AVE	6
CRA-80-007	NIAGARA PLANT, N. OF BUFFALO AVE	K	CRA-80-007	NIAGARA PLANT, 7. OF BUFFALO AVE	7
CRA-80-008	NIAGARA PLANT, N. OF BUFFALO AVE	L	CRA-80-008	NIAGARA PLANT, 8. OF BUFFALO AVE	8
CRA-80-009	NIAGARA PLANT, N. OF BUFFALO AVE	M	CRA-80-009	NIAGARA PLANT, 9. OF BUFFALO AVE	9
CRA-80-010	NIAGARA PLANT, N. OF BUFFALO AVE	N	CRA-80-010	NIAGARA PLANT, 10. OF BUFFALO AVE	10

SCALE: 1" = 100'

**HOOKER CHEMICALS & PLASTICS CORP.**  
NIAGARA PLANT  
SANITARY SEWER NETWORK

**e Conestoga - Rovers & Associates**  
851 Colby Drive, Waterloo, NY 14514  
201 Durham St., Ellicottville, NY 14801

Author: J.N.P.  
Checked: R.B.  
Date: AUGUST 19, 1980  
Drawing No: CRA-80-000  
Sheet: OCC E-1

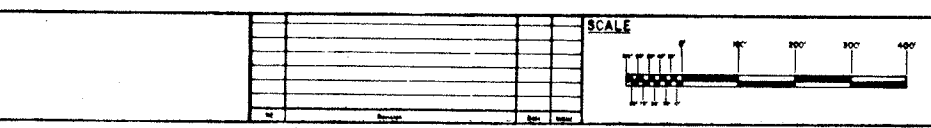


**MANHOLE IDENTIFICATION**

MANHOLE NO.	MANHOLE NO.	MANHOLE NO.	MANHOLE NO.	MANHOLE NO.	MANHOLE NO.	MANHOLE NO.	MANHOLE NO.
001	002	003	004	005	006	007	008
009	010	011	012	013	014	015	016
017	018	019	020	021	022	023	024
025	026	027	028	029	030	031	032
033	034	035	036	037	038	039	040
041	042	043	044	045	046	047	048
049	050	051	052	053	054	055	056
057	058	059	060	061	062	063	064
065	066	067	068	069	070	071	072
073	074	075	076	077	078	079	080
081	082	083	084	085	086	087	088
089	090	091	092	093	094	095	096
097	098	099	100	101	102	103	104
105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136
137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152
153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168
169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184
185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200

- LEGEND**
- A PLANT AREA DESIGNATION
  - B BUILDING NUMBER
  - C FENCE LINE
  - D MONITORING STATION
  - E MANHOLE - FIELD VERIFIED
  - F MANHOLE
  - G SUMP OR CATCHBASIN - FIELD VERIFIED
  - H SUMP OR CATCHBASIN
  - I PUMPING STATION
  - J WATER WASTEWATER SEWER
  - K CONTRIBUTING STUB
  - L OVERFLOW TO BARITARY SEWER
  - M SANITARY CONNECTION
  - N 1-DI MANHOLE NUMBER
  - O DIESEL PUMP SYSTEM
  - P RIVER WATER SYSTEM
  - Q CITY WATER SYSTEM
  - R WATER VALVE

MANHOLE NO.	LOCATION	AREA	MANHOLE NO.	LOCATION	AREA
001	RISEMARY PLANT #1 OF BUFFALO AVE	1	001	RISEMARY PLANT #1 OF BUFFALO AVE	1
002	RISEMARY PLANT #1 OF BUFFALO AVE	1	002	RISEMARY PLANT #1 OF BUFFALO AVE	1
003	RISEMARY PLANT #1 OF BUFFALO AVE	1	003	RISEMARY PLANT #1 OF BUFFALO AVE	1
004	RISEMARY PLANT #1 OF BUFFALO AVE	1	004	RISEMARY PLANT #1 OF BUFFALO AVE	1
005	RISEMARY PLANT #1 OF BUFFALO AVE	1	005	RISEMARY PLANT #1 OF BUFFALO AVE	1
006	RISEMARY PLANT #1 OF BUFFALO AVE	1	006	RISEMARY PLANT #1 OF BUFFALO AVE	1
007	RISEMARY PLANT #1 OF BUFFALO AVE	1	007	RISEMARY PLANT #1 OF BUFFALO AVE	1
008	RISEMARY PLANT #1 OF BUFFALO AVE	1	008	RISEMARY PLANT #1 OF BUFFALO AVE	1
009	RISEMARY PLANT #1 OF BUFFALO AVE	1	009	RISEMARY PLANT #1 OF BUFFALO AVE	1
010	RISEMARY PLANT #1 OF BUFFALO AVE	1	010	RISEMARY PLANT #1 OF BUFFALO AVE	1
011	RISEMARY PLANT #1 OF BUFFALO AVE	1	011	RISEMARY PLANT #1 OF BUFFALO AVE	1
012	RISEMARY PLANT #1 OF BUFFALO AVE	1	012	RISEMARY PLANT #1 OF BUFFALO AVE	1
013	RISEMARY PLANT #1 OF BUFFALO AVE	1	013	RISEMARY PLANT #1 OF BUFFALO AVE	1
014	RISEMARY PLANT #1 OF BUFFALO AVE	1	014	RISEMARY PLANT #1 OF BUFFALO AVE	1
015	RISEMARY PLANT #1 OF BUFFALO AVE	1	015	RISEMARY PLANT #1 OF BUFFALO AVE	1
016	RISEMARY PLANT #1 OF BUFFALO AVE	1	016	RISEMARY PLANT #1 OF BUFFALO AVE	1
017	RISEMARY PLANT #1 OF BUFFALO AVE	1	017	RISEMARY PLANT #1 OF BUFFALO AVE	1
018	RISEMARY PLANT #1 OF BUFFALO AVE	1	018	RISEMARY PLANT #1 OF BUFFALO AVE	1
019	RISEMARY PLANT #1 OF BUFFALO AVE	1	019	RISEMARY PLANT #1 OF BUFFALO AVE	1
020	RISEMARY PLANT #1 OF BUFFALO AVE	1	020	RISEMARY PLANT #1 OF BUFFALO AVE	1



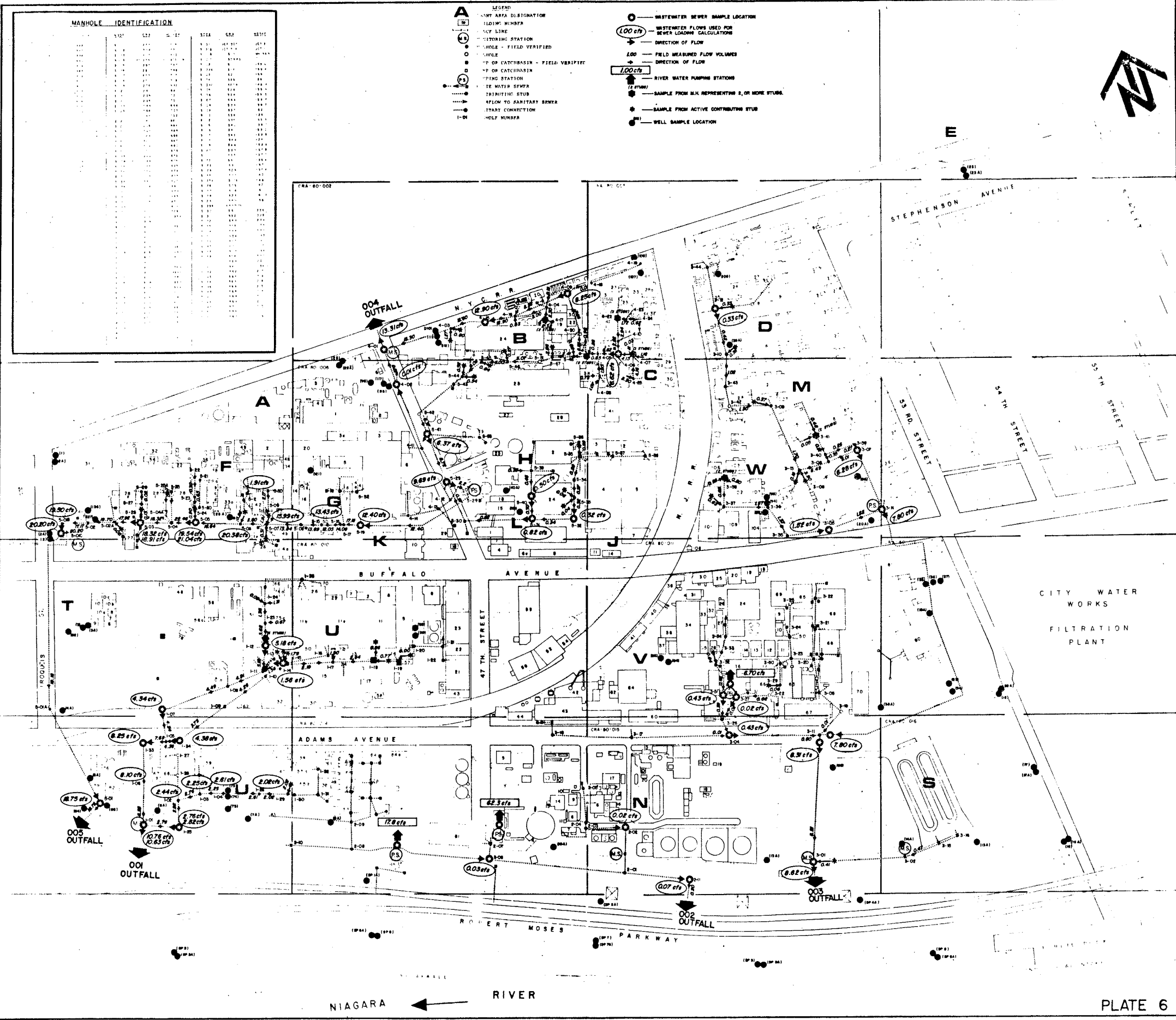
**HOOVER CHEMICALS & PLASTICS CORP.**  
**NIAGARA PLANT**

**Conestoga - Rovers & Associates**  
 251 Colby Drive, Waterloo, NY 13148  
 301 Durham St., Lancaster, PA 17303

**OVERALL WATERMAIN-FIREWATER SYSTEMS**

DATE: 08-84  
 DRAWN BY: BAK  
 CHECKED BY: R.S.  
 AS SHOWN  
 APPROVED BY: [Signature]  
 PROJECT NO.: CR-100-1000

PLATE 5



**MANHOLE IDENTIFICATION**

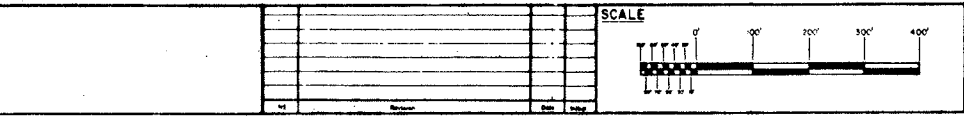
MANHOLE NO.	LOCATION	AREA	MANHOLE NO.	LOCATION	AREA
001	...	...	002	...	...
003	...	...	004	...	...
005	...	...	006	...	...
007	...	...	008	...	...
009	...	...	010	...	...
011	...	...	012	...	...
013	...	...	014	...	...
015	...	...	016	...	...
017	...	...	018	...	...
019	...	...	020	...	...
021	...	...	022	...	...
023	...	...	024	...	...
025	...	...	026	...	...
027	...	...	028	...	...
029	...	...	030	...	...
031	...	...	032	...	...
033	...	...	034	...	...
035	...	...	036	...	...
037	...	...	038	...	...
039	...	...	040	...	...
041	...	...	042	...	...
043	...	...	044	...	...
045	...	...	046	...	...
047	...	...	048	...	...
049	...	...	050	...	...
051	...	...	052	...	...
053	...	...	054	...	...
055	...	...	056	...	...
057	...	...	058	...	...
059	...	...	060	...	...
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063	...	...	064	...	...
065	...	...	066	...	...
067	...	...	068	...	...
069	...	...	070	...	...
071	...	...	072	...	...
073	...	...	074	...	...
075	...	...	076	...	...
077	...	...	078	...	...
079	...	...	080	...	...
081	...	...	082	...	...
083	...	...	084	...	...
085	...	...	086	...	...
087	...	...	088	...	...
089	...	...	090	...	...
091	...	...	092	...	...
093	...	...	094	...	...
095	...	...	096	...	...
097	...	...	098	...	...
099	...	...	100	...	...

- LEGEND**
- ▲ WASTWATER BEWER SAMPLE LOCATION
  - WASTWATER FLOWS USED FOR BEWER LOADING CALCULATIONS
  - DIRECTION OF FLOW
  - 1.00 cfs FIELD MEASURED FLOW VOLUMES
  - 1.00 cfs RIVER WATER PUMPING STATIONS
  - SAMPLE FROM B.L.K. REPRESENTING 2, OR MORE STUES
  - SAMPLE FROM ACTIVE CONTRIBUTING STUES
  - WELL SAMPLE LOCATION
  - ▲ WASTWATER BEWER SAMPLE LOCATION
  - WASTWATER FLOWS USED FOR BEWER LOADING CALCULATIONS
  - DIRECTION OF FLOW
  - 1.00 cfs FIELD MEASURED FLOW VOLUMES
  - 1.00 cfs RIVER WATER PUMPING STATIONS
  - SAMPLE FROM B.L.K. REPRESENTING 2, OR MORE STUES
  - SAMPLE FROM ACTIVE CONTRIBUTING STUES
  - WELL SAMPLE LOCATION



PLATE 6

MANHOLE NO.	LOCATION	AREA	MANHOLE NO.	LOCATION	AREA
001	...	...	002	...	...
003	...	...	004	...	...
005	...	...	006	...	...
007	...	...	008	...	...
009	...	...	010	...	...
011	...	...	012	...	...
013	...	...	014	...	...
015	...	...	016	...	...
017	...	...	018	...	...
019	...	...	020	...	...
021	...	...	022	...	...
023	...	...	024	...	...
025	...	...	026	...	...
027	...	...	028	...	...
029	...	...	030	...	...
031	...	...	032	...	...
033	...	...	034	...	...
035	...	...	036	...	...
037	...	...	038	...	...
039	...	...	040	...	...
041	...	...	042	...	...
043	...	...	044	...	...
045	...	...	046	...	...
047	...	...	048	...	...
049	...	...	050	...	...
051	...	...	052	...	...
053	...	...	054	...	...
055	...	...	056	...	...
057	...	...	058	...	...
059	...	...	060	...	...
061	...	...	062	...	...
063	...	...	064	...	...
065	...	...	066	...	...
067	...	...	068	...	...
069	...	...	070	...	...
071	...	...	072	...	...
073	...	...	074	...	...
075	...	...	076	...	...
077	...	...	078	...	...
079	...	...	080	...	...
081	...	...	082	...	...
083	...	...	084	...	...
085	...	...	086	...	...
087	...	...	088	...	...
089	...	...	090	...	...
091	...	...	092	...	...
093	...	...	094	...	...
095	...	...	096	...	...
097	...	...	098	...	...
099	...	...	100	...	...



**HOOVER CHEMICALS & PLASTICS CORP.**

**NIAGARA PLANT**

**WASTEWATER-OUTFALL SEWER FLOWS AND SAMPLE LOCATIONS**

**Conestoga - Rovers & Associates**

891 Colby Drive, Waterloo, N.Y. 13150

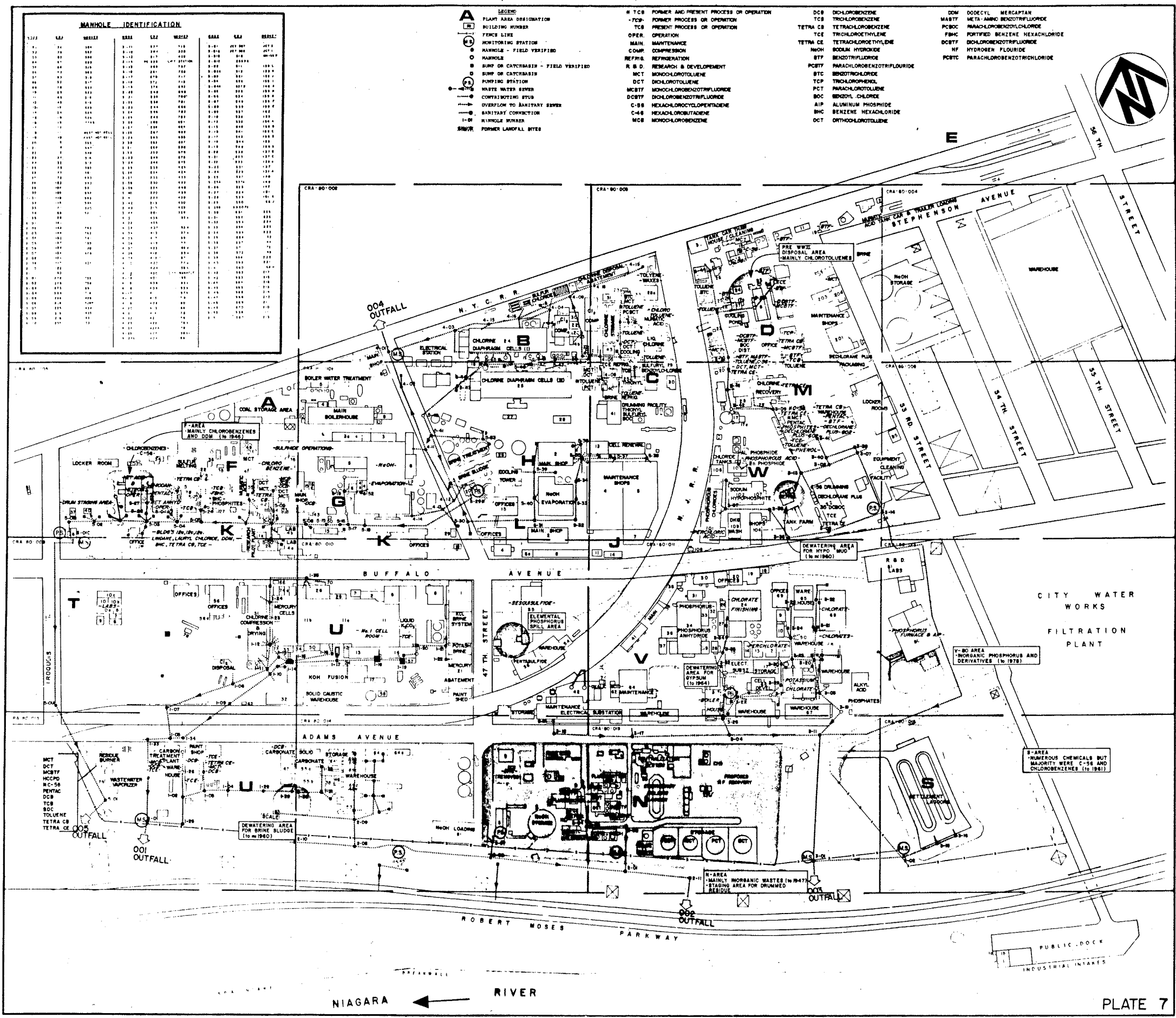
301 DuPont St., Kincardine, Ont. M50 2K6

Project No. 878-626

Sheet No. OCC-B-1

August 8, 1980





**MANHOLE IDENTIFICATION**

MANHOLE NO.	DATE	DEPTH	DIAMETER	LOCATION	REMARKS
101	1980	10.0	36"	...	...
102	1980	10.0	36"	...	...
103	1980	10.0	36"	...	...
104	1980	10.0	36"	...	...
105	1980	10.0	36"	...	...
106	1980	10.0	36"	...	...
107	1980	10.0	36"	...	...
108	1980	10.0	36"	...	...
109	1980	10.0	36"	...	...
110	1980	10.0	36"	...	...
111	1980	10.0	36"	...	...
112	1980	10.0	36"	...	...
113	1980	10.0	36"	...	...
114	1980	10.0	36"	...	...
115	1980	10.0	36"	...	...
116	1980	10.0	36"	...	...
117	1980	10.0	36"	...	...
118	1980	10.0	36"	...	...
119	1980	10.0	36"	...	...
120	1980	10.0	36"	...	...
121	1980	10.0	36"	...	...
122	1980	10.0	36"	...	...
123	1980	10.0	36"	...	...
124	1980	10.0	36"	...	...
125	1980	10.0	36"	...	...
126	1980	10.0	36"	...	...
127	1980	10.0	36"	...	...
128	1980	10.0	36"	...	...
129	1980	10.0	36"	...	...
130	1980	10.0	36"	...	...
131	1980	10.0	36"	...	...
132	1980	10.0	36"	...	...
133	1980	10.0	36"	...	...
134	1980	10.0	36"	...	...
135	1980	10.0	36"	...	...
136	1980	10.0	36"	...	...
137	1980	10.0	36"	...	...
138	1980	10.0	36"	...	...
139	1980	10.0	36"	...	...
140	1980	10.0	36"	...	...
141	1980	10.0	36"	...	...
142	1980	10.0	36"	...	...
143	1980	10.0	36"	...	...
144	1980	10.0	36"	...	...
145	1980	10.0	36"	...	...
146	1980	10.0	36"	...	...
147	1980	10.0	36"	...	...
148	1980	10.0	36"	...	...
149	1980	10.0	36"	...	...
150	1980	10.0	36"	...	...

- LEGEND**
- A PLANT AREA DESIGNATION
  - B BUILDING NUMBER
  - C FENCE LINE
  - D MONITORING STATION
  - E MANHOLE - FIELD VERIFIED
  - F MANHOLE - FIELD VERIFIED
  - G SURF OR CATCHBASIN - FIELD VERIFIED
  - H SURF OR CATCHBASIN
  - I PUMPING STATION
  - J WASTE WATER SEWER
  - K CONTAMINATING STUB
  - L OVERFLOW TO BANKWAY SEWER
  - M SANITARY CONNECTION
  - N MANHOLE NUMBER
  - O FORMER LANDFILL SITES
  - P TCB FORMER AND PRESENT PROCESS OR OPERATION
  - Q TCB FORMER PROCESS OR OPERATION
  - R TCB PRESENT PROCESS OR OPERATION
  - S OPER. OPERATION
  - T MAIN. MAINTENANCE
  - U COMPRESSOR
  - V REFINERY
  - W R. & D. RESEARCH & DEVELOPMENT
  - X MCT MONOCHLOROTOLUENE
  - Y DCT DICHLOROTOLUENE
  - Z MCBT MONOCHLOROBENZOTRIFLUORIDE
  - AA DDBT DICHLOROBENZOTRIFLUORIDE
  - AB C-818 HEXACHLOROCHLOROPENTADIENE
  - AC C-848 HEXACHLOROBTADIANE
  - AD MCB MONOCHLOROBENZENE
  - AE DCB DICHLOROBENZENE
  - AF TCB TRICHLOROBENZENE
  - AG TETRA CB TETRACHLOROBENZENE
  - AH TCE TRICHLOROETHYLENE
  - AI TETRA CE TETRACHLOROETHYLENE
  - AJ COMBUSTION
  - AK BHTF BENZOTRIFLUORIDE
  - AL PCBTF PARACHLOROBENZOTRIFLUORIDE
  - AM BFC BENZOTRIFLUORIDE
  - AN TCB TRICHLOROBENZOL
  - AO PCT PARACHLOROTOLUENE
  - AP BDC BENZYL CHLORIDE
  - AQ ALP ALUMINUM PHOSPHIDE
  - AR BHC BENZENE HEXACHLORIDE
  - AS DCT ORTHOCHLOROTOLUENE
  - AT DDB DODECYL MERCAPTAN
  - AU MABTT META-AMINO BENZOTRIFLUORIDE
  - AV PCBCC PARACHLOROBENZOTRIFLUORIDE
  - AW BHC BHTF BENZOTRIFLUORIDE
  - AX BFC BHTF BENZOTRIFLUORIDE
  - AY BHTF BENZOTRIFLUORIDE
  - AZ PCBTC PARACHLOROBENZOTRIFLUORIDE

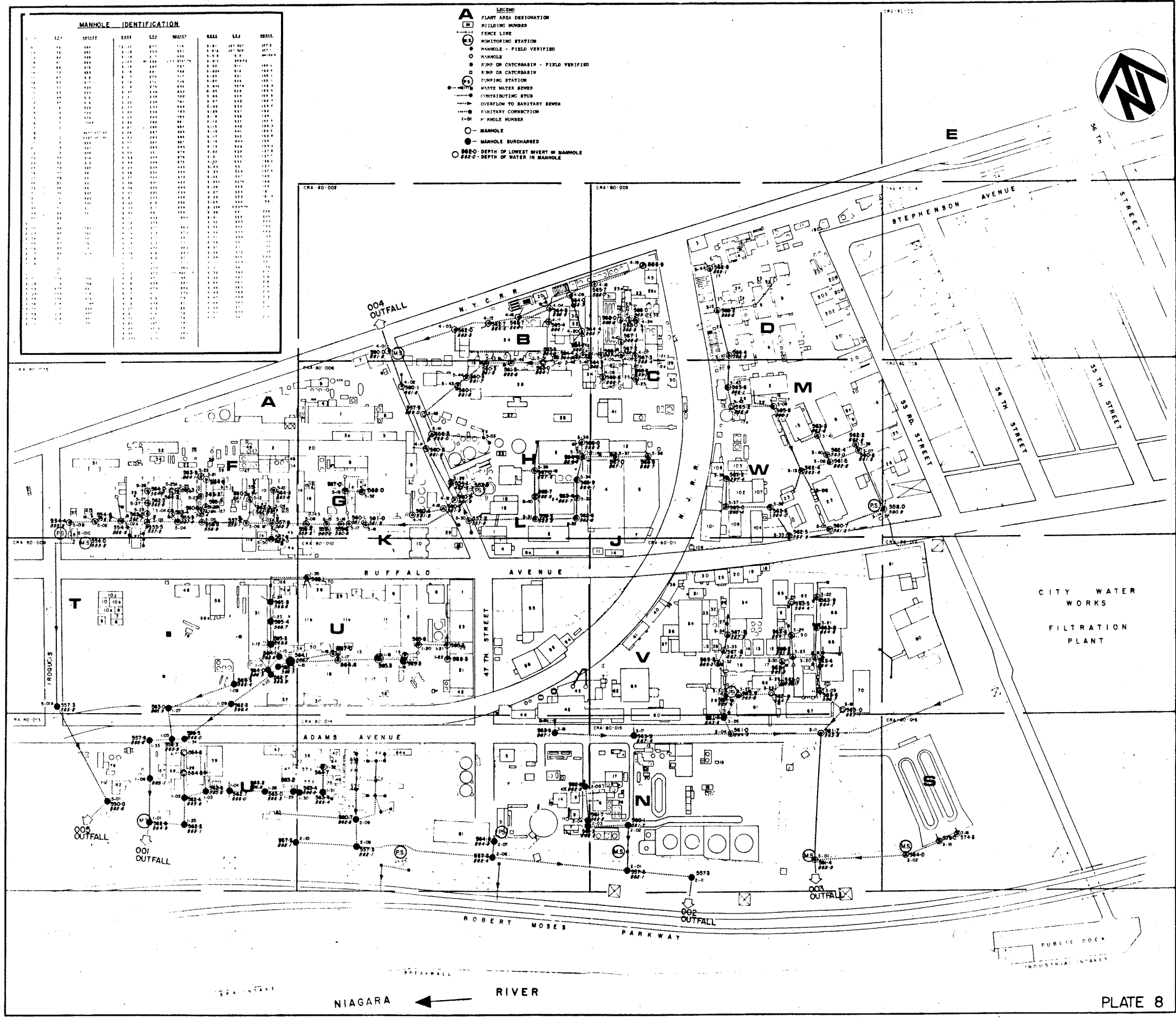
MANHOLE NO.	LOCATION	AREA	MANHOLE NO.	LOCATION	AREA
101-102	NIAGARA PLANT, S. OF BUFFALO AVE	1	101-102	NIAGARA PLANT, S. OF BUFFALO AVE	1
103-104	NIAGARA PLANT, S. OF BUFFALO AVE	2	103-104	NIAGARA PLANT, S. OF BUFFALO AVE	2
105-106	NIAGARA PLANT, S. OF BUFFALO AVE	3	105-106	NIAGARA PLANT, S. OF BUFFALO AVE	3
107-108	NIAGARA PLANT, S. OF BUFFALO AVE	4	107-108	NIAGARA PLANT, S. OF BUFFALO AVE	4
109-110	NIAGARA PLANT, S. OF BUFFALO AVE	5	109-110	NIAGARA PLANT, S. OF BUFFALO AVE	5
111-112	NIAGARA PLANT, S. OF BUFFALO AVE	6	111-112	NIAGARA PLANT, S. OF BUFFALO AVE	6
113-114	NIAGARA PLANT, S. OF BUFFALO AVE	7	113-114	NIAGARA PLANT, S. OF BUFFALO AVE	7
115-116	NIAGARA PLANT, S. OF BUFFALO AVE	8	115-116	NIAGARA PLANT, S. OF BUFFALO AVE	8
117-118	NIAGARA PLANT, S. OF BUFFALO AVE	9	117-118	NIAGARA PLANT, S. OF BUFFALO AVE	9
119-120	NIAGARA PLANT, S. OF BUFFALO AVE	10	119-120	NIAGARA PLANT, S. OF BUFFALO AVE	10
121-122	NIAGARA PLANT, S. OF BUFFALO AVE	11	121-122	NIAGARA PLANT, S. OF BUFFALO AVE	11
123-124	NIAGARA PLANT, S. OF BUFFALO AVE	12	123-124	NIAGARA PLANT, S. OF BUFFALO AVE	12
125-126	NIAGARA PLANT, S. OF BUFFALO AVE	13	125-126	NIAGARA PLANT, S. OF BUFFALO AVE	13
127-128	NIAGARA PLANT, S. OF BUFFALO AVE	14	127-128	NIAGARA PLANT, S. OF BUFFALO AVE	14
129-130	NIAGARA PLANT, S. OF BUFFALO AVE	15	129-130	NIAGARA PLANT, S. OF BUFFALO AVE	15
131-132	NIAGARA PLANT, S. OF BUFFALO AVE	16	131-132	NIAGARA PLANT, S. OF BUFFALO AVE	16
133-134	NIAGARA PLANT, S. OF BUFFALO AVE	17	133-134	NIAGARA PLANT, S. OF BUFFALO AVE	17
135-136	NIAGARA PLANT, S. OF BUFFALO AVE	18	135-136	NIAGARA PLANT, S. OF BUFFALO AVE	18
137-138	NIAGARA PLANT, S. OF BUFFALO AVE	19	137-138	NIAGARA PLANT, S. OF BUFFALO AVE	19
139-140	NIAGARA PLANT, S. OF BUFFALO AVE	20	139-140	NIAGARA PLANT, S. OF BUFFALO AVE	20

**SCALE**

0 100' 200' 300' 400'

**HOOVER CHEMICALS & PLASTICS CORP.**  
**NIAGARA PLANT**  
**MAJOR OPERATIONS & LANDFILL AREAS**

**Conestoga - Rovers & Associates**  
 401 Colby Drive, Waterloo, NY 13154  
 501 Burton St., Kalamazoo, MI 49001  
 AUGUST 18, 1980  
 DCM PTF  
 000-8-1



**MANHOLE IDENTIFICATION**

MANHOLE NO.	DATE	DEPTH	INVERT	WATER	REMARKS
101	1/15/60	4.00	281.5	281.5	
102	1/15/60	4.00	281.5	281.5	
103	1/15/60	4.00	281.5	281.5	
104	1/15/60	4.00	281.5	281.5	
105	1/15/60	4.00	281.5	281.5	
106	1/15/60	4.00	281.5	281.5	
107	1/15/60	4.00	281.5	281.5	
108	1/15/60	4.00	281.5	281.5	
109	1/15/60	4.00	281.5	281.5	
110	1/15/60	4.00	281.5	281.5	
111	1/15/60	4.00	281.5	281.5	
112	1/15/60	4.00	281.5	281.5	
113	1/15/60	4.00	281.5	281.5	
114	1/15/60	4.00	281.5	281.5	
115	1/15/60	4.00	281.5	281.5	
116	1/15/60	4.00	281.5	281.5	
117	1/15/60	4.00	281.5	281.5	
118	1/15/60	4.00	281.5	281.5	
119	1/15/60	4.00	281.5	281.5	
120	1/15/60	4.00	281.5	281.5	
121	1/15/60	4.00	281.5	281.5	
122	1/15/60	4.00	281.5	281.5	
123	1/15/60	4.00	281.5	281.5	
124	1/15/60	4.00	281.5	281.5	
125	1/15/60	4.00	281.5	281.5	
126	1/15/60	4.00	281.5	281.5	
127	1/15/60	4.00	281.5	281.5	
128	1/15/60	4.00	281.5	281.5	
129	1/15/60	4.00	281.5	281.5	
130	1/15/60	4.00	281.5	281.5	
131	1/15/60	4.00	281.5	281.5	
132	1/15/60	4.00	281.5	281.5	
133	1/15/60	4.00	281.5	281.5	
134	1/15/60	4.00	281.5	281.5	
135	1/15/60	4.00	281.5	281.5	
136	1/15/60	4.00	281.5	281.5	
137	1/15/60	4.00	281.5	281.5	
138	1/15/60	4.00	281.5	281.5	
139	1/15/60	4.00	281.5	281.5	
140	1/15/60	4.00	281.5	281.5	

**LEGEND**

- A PLANT AREA DESIGNATION
- B BUILDING NUMBER
- FENCE LINE
- MONITORING STATION
- MANHOLE - FIELD VERIFIED
- SURF OR CATCHBASIN - FIELD VERIFIED
- SURF OR CATCHBASIN
- PUMPING STATION
- WASTE WATER SEWER
- CONTRIBUTING SEWER
- OVERFLOW TO SANITARY SEWER
- SANITARY CONNECTION
- 1-01 MANHOLE NUMBER
- MANHOLE
- MANHOLE SURCHARGED
- 000.0 DEPTH OF LOWEST INVERT IN MANHOLE
- 000.0 DEPTH OF WATER IN MANHOLE



NIAGARA RIVER ←

**PLATE 8**

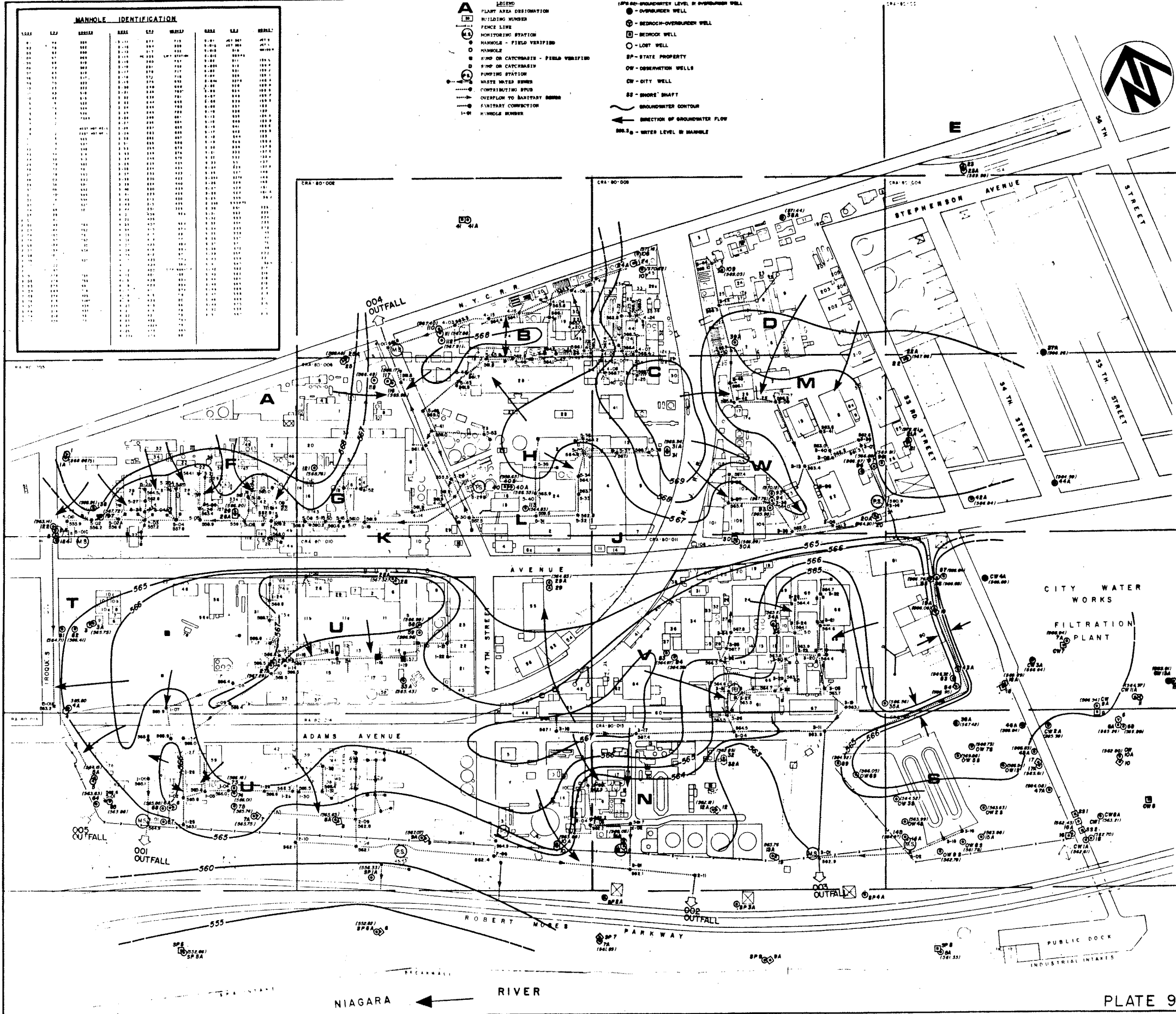
MANHOLE NO.	LOCATION	AREA	DATE	DEPTH	INVERT	WATER	REMARKS
101	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
102	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
103	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
104	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
105	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
106	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
107	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
108	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
109	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
110	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
111	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
112	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
113	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
114	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
115	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
116	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
117	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
118	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
119	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
120	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
121	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
122	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
123	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
124	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
125	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
126	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
127	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
128	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
129	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
130	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
131	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
132	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
133	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
134	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
135	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
136	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
137	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
138	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
139	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	
140	NIAGARA PLANT, N. OF BUFFALO AVE	1	1/15/60	4.00	281.5	281.5	

**SCALE**

**HOOVER CHEMICALS & PLASTICS CORP.**  
**NIAGARA PLANT**

**Conestoga - Rivers & Associates**  
 831 Coffey Drive, Waterloo, N.Y. 14884  
 301 Durham St., Kincaid, N.Y. 14880

C.C. B-1



MANHOLE IDENTIFICATION										
MANHOLE NO.	AREA	COORDINATES	DEPTH	STATUS	DATE	BY	REMARKS	MANHOLE NO.	AREA	COORDINATES
1001	100	100	100	100	100	100	100	1001	100	100
1002	100	100	100	100	100	100	100	1002	100	100
1003	100	100	100	100	100	100	100	1003	100	100
1004	100	100	100	100	100	100	100	1004	100	100
1005	100	100	100	100	100	100	100	1005	100	100
1006	100	100	100	100	100	100	100	1006	100	100
1007	100	100	100	100	100	100	100	1007	100	100
1008	100	100	100	100	100	100	100	1008	100	100
1009	100	100	100	100	100	100	100	1009	100	100
1010	100	100	100	100	100	100	100	1010	100	100
1011	100	100	100	100	100	100	100	1011	100	100
1012	100	100	100	100	100	100	100	1012	100	100
1013	100	100	100	100	100	100	100	1013	100	100
1014	100	100	100	100	100	100	100	1014	100	100
1015	100	100	100	100	100	100	100	1015	100	100
1016	100	100	100	100	100	100	100	1016	100	100
1017	100	100	100	100	100	100	100	1017	100	100
1018	100	100	100	100	100	100	100	1018	100	100
1019	100	100	100	100	100	100	100	1019	100	100
1020	100	100	100	100	100	100	100	1020	100	100

<table border="1"> <thead> <tr> <th>MANHOLE NO.</th> <th>LOCATION</th> <th>AREA</th> <th>MANHOLE NO.</th> <th>LOCATION</th> <th>AREA</th> </tr> </thead> <tbody> <tr><td>1001-1010</td><td>NIAGARA PLANT, N. OF BUFFALO AVE.</td><td>1</td><td>1011-1020</td><td>NIAGARA PLANT, S. OF BUFFALO AVE.</td><td>2</td></tr> <tr><td>1021-1030</td><td>NIAGARA PLANT, N. OF BUFFALO AVE.</td><td>3</td><td>1031-1040</td><td>NIAGARA PLANT, S. OF BUFFALO AVE.</td><td>4</td></tr> <tr><td>1041-1050</td><td>NIAGARA PLANT, N. OF BUFFALO AVE.</td><td>5</td><td>1051-1060</td><td>NIAGARA PLANT, S. OF BUFFALO AVE.</td><td>6</td></tr> <tr><td>1061-1070</td><td>NIAGARA PLANT, N. OF BUFFALO AVE.</td><td>7</td><td>1071-1080</td><td>NIAGARA PLANT, S. OF BUFFALO AVE.</td><td>8</td></tr> <tr><td>1081-1090</td><td>NIAGARA PLANT, N. OF BUFFALO AVE.</td><td>9</td><td>1091-1100</td><td>NIAGARA PLANT, S. OF BUFFALO AVE.</td><td>10</td></tr> <tr><td>1101-1110</td><td>NIAGARA PLANT, N. OF BUFFALO AVE.</td><td>11</td><td>1111-1120</td><td>NIAGARA PLANT, S. OF BUFFALO AVE.</td><td>12</td></tr> <tr><td>1121-1130</td><td>NIAGARA PLANT, N. OF BUFFALO AVE.</td><td>13</td><td>1131-1140</td><td>NIAGARA PLANT, S. OF BUFFALO AVE.</td><td>14</td></tr> <tr><td>1141-1150</td><td>NIAGARA PLANT, N. OF BUFFALO AVE.</td><td>15</td><td>1151-1160</td><td>NIAGARA PLANT, S. OF BUFFALO AVE.</td><td>16</td></tr> <tr><td>1161-1170</td><td>NIAGARA PLANT, N. OF BUFFALO AVE.</td><td>17</td><td>1171-1180</td><td>NIAGARA PLANT, S. OF BUFFALO AVE.</td><td>18</td></tr> <tr><td>1181-1190</td><td>NIAGARA PLANT, N. OF BUFFALO AVE.</td><td>19</td><td>1191-1200</td><td>NIAGARA PLANT, S. OF BUFFALO AVE.</td><td>20</td></tr> <tr><td>1201-1210</td><td>NIAGARA PLANT, N. OF BUFFALO AVE.</td><td>21</td><td>1211-1220</td><td>NIAGARA PLANT, S. OF BUFFALO AVE.</td><td>22</td></tr> </tbody> </table>	MANHOLE NO.	LOCATION	AREA	MANHOLE NO.	LOCATION	AREA	1001-1010	NIAGARA PLANT, N. OF BUFFALO AVE.	1	1011-1020	NIAGARA PLANT, S. OF BUFFALO AVE.	2	1021-1030	NIAGARA PLANT, N. OF BUFFALO AVE.	3	1031-1040	NIAGARA PLANT, S. OF BUFFALO AVE.	4	1041-1050	NIAGARA PLANT, N. OF BUFFALO AVE.	5	1051-1060	NIAGARA PLANT, S. OF BUFFALO AVE.	6	1061-1070	NIAGARA PLANT, N. OF BUFFALO AVE.	7	1071-1080	NIAGARA PLANT, S. OF BUFFALO AVE.	8	1081-1090	NIAGARA PLANT, N. OF BUFFALO AVE.	9	1091-1100	NIAGARA PLANT, S. OF BUFFALO AVE.	10	1101-1110	NIAGARA PLANT, N. OF BUFFALO AVE.	11	1111-1120	NIAGARA PLANT, S. OF BUFFALO AVE.	12	1121-1130	NIAGARA PLANT, N. OF BUFFALO AVE.	13	1131-1140	NIAGARA PLANT, S. OF BUFFALO AVE.	14	1141-1150	NIAGARA PLANT, N. OF BUFFALO AVE.	15	1151-1160	NIAGARA PLANT, S. OF BUFFALO AVE.	16	1161-1170	NIAGARA PLANT, N. OF BUFFALO AVE.	17	1171-1180	NIAGARA PLANT, S. OF BUFFALO AVE.	18	1181-1190	NIAGARA PLANT, N. OF BUFFALO AVE.	19	1191-1200	NIAGARA PLANT, S. OF BUFFALO AVE.	20	1201-1210	NIAGARA PLANT, N. OF BUFFALO AVE.	21	1211-1220	NIAGARA PLANT, S. OF BUFFALO AVE.	22	<p>SCALE</p>	<p>HOOKER CHEMICALS &amp; PLASTICS CORP. NIAGARA PLANT</p> <p>GROUNDWATER CONTOURS</p>	<p>Coronet - Rovers &amp; Associates 351 Colby Drive, Westport, NY 10884 301 Durham St., Kingston, NY 12401</p> <p>Prepared by: T.A.R. Checked by: R.F. Date: 12/81 Project No: 873-588 Scale: 1" = 200' Drawing No: CRA-80-000</p>
MANHOLE NO.	LOCATION	AREA	MANHOLE NO.	LOCATION	AREA																																																																						
1001-1010	NIAGARA PLANT, N. OF BUFFALO AVE.	1	1011-1020	NIAGARA PLANT, S. OF BUFFALO AVE.	2																																																																						
1021-1030	NIAGARA PLANT, N. OF BUFFALO AVE.	3	1031-1040	NIAGARA PLANT, S. OF BUFFALO AVE.	4																																																																						
1041-1050	NIAGARA PLANT, N. OF BUFFALO AVE.	5	1051-1060	NIAGARA PLANT, S. OF BUFFALO AVE.	6																																																																						
1061-1070	NIAGARA PLANT, N. OF BUFFALO AVE.	7	1071-1080	NIAGARA PLANT, S. OF BUFFALO AVE.	8																																																																						
1081-1090	NIAGARA PLANT, N. OF BUFFALO AVE.	9	1091-1100	NIAGARA PLANT, S. OF BUFFALO AVE.	10																																																																						
1101-1110	NIAGARA PLANT, N. OF BUFFALO AVE.	11	1111-1120	NIAGARA PLANT, S. OF BUFFALO AVE.	12																																																																						
1121-1130	NIAGARA PLANT, N. OF BUFFALO AVE.	13	1131-1140	NIAGARA PLANT, S. OF BUFFALO AVE.	14																																																																						
1141-1150	NIAGARA PLANT, N. OF BUFFALO AVE.	15	1151-1160	NIAGARA PLANT, S. OF BUFFALO AVE.	16																																																																						
1161-1170	NIAGARA PLANT, N. OF BUFFALO AVE.	17	1171-1180	NIAGARA PLANT, S. OF BUFFALO AVE.	18																																																																						
1181-1190	NIAGARA PLANT, N. OF BUFFALO AVE.	19	1191-1200	NIAGARA PLANT, S. OF BUFFALO AVE.	20																																																																						
1201-1210	NIAGARA PLANT, N. OF BUFFALO AVE.	21	1211-1220	NIAGARA PLANT, S. OF BUFFALO AVE.	22																																																																						

**\*\*NOTE\*\***

Notes on CRA-80 series of Plates

- (1) No plate labeled "CRA-80-005A" was in the original document.
- (2) For many of the CRA-80 plates, the plate names in the Table of Contents do not match the names exactly as they appear on the plates

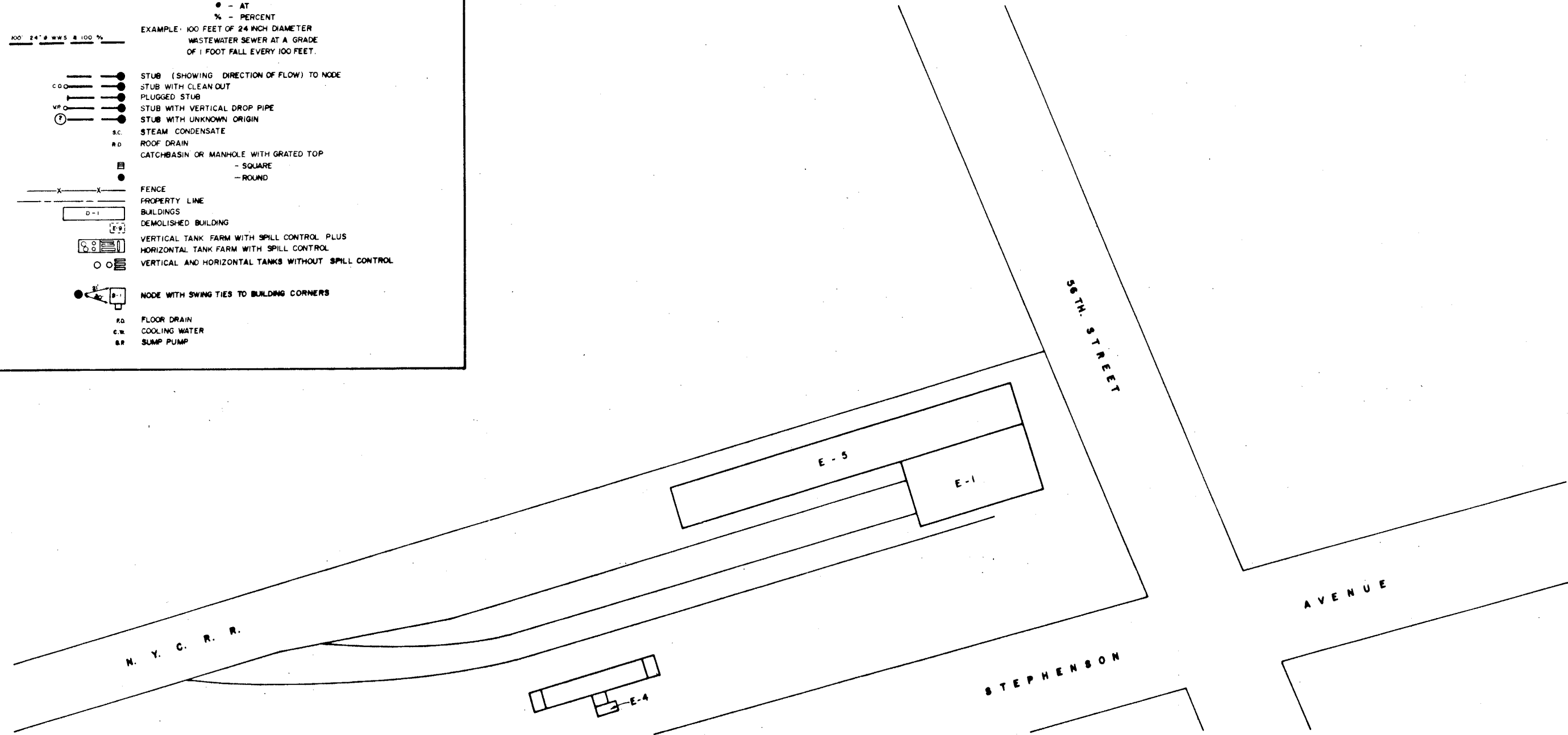


**LEGEND**

- NODE OR MANHOLE - FIELD VERIFIED
- NODE OR MANHOLE - NOT FIELD VERIFIED
- NODE OR MANHOLE DATA:
  - NODE No.
  - TOP ELEVATION
  - INVERT ELEVATIONS
- WASTEWATER SEWER
- SANITARY SEWER
- SEWER DATA:
  - FEET
  - INCH
  - DIAMETER
  - AT
  - PERCENT
- EXAMPLE: 100 FEET OF 24 INCH DIAMETER WASTEWATER SEWER AT A GRADE OF 1 FOOT FALL EVERY 100 FEET.
- 100' 24" WWS @ 100%
- STUB (SHOWING DIRECTION OF FLOW) TO NODE
- STUB WITH CLEAN OUT
- PLUGGED STUB
- STUB WITH VERTICAL DROP PIPE
- STUB WITH UNKNOWN ORIGIN
- S.C. STEAM CONDENSATE
- R.D. ROOF DRAIN
- CATCHBASIN OR MANHOLE WITH GRATED TOP
  - SQUARE
  - ROUND
- FENCE
- PROPERTY LINE
- BUILDINGS
- DEMOLISHED BUILDING
- VERTICAL TANK FARM WITH SPILL CONTROL PLUS
- HORIZONTAL TANK FARM WITH SPILL CONTROL
- VERTICAL AND HORIZONTAL TANKS WITHOUT SPILL CONTROL
- NODE WITH SWING TIES TO BUILDING CORNERS
- F.D. FLOOR DRAIN
- C.W. COOLING WATER
- S.P. SUMP PUMP

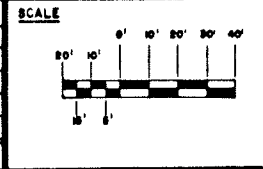
**ELEVATION DATUM**

ALL ELEVATIONS SHOWN ARE BASED ON THE HOOKER CHEMICALS & PLASTICS CORP. PLANT DATUM.  
 -TO CONVERT TO CITY OF NIAGARA FALLS DATUM: ADD 0.140'  
 -TO CONVERT TO U.S.G.S. DATUM: ADD 0.866'



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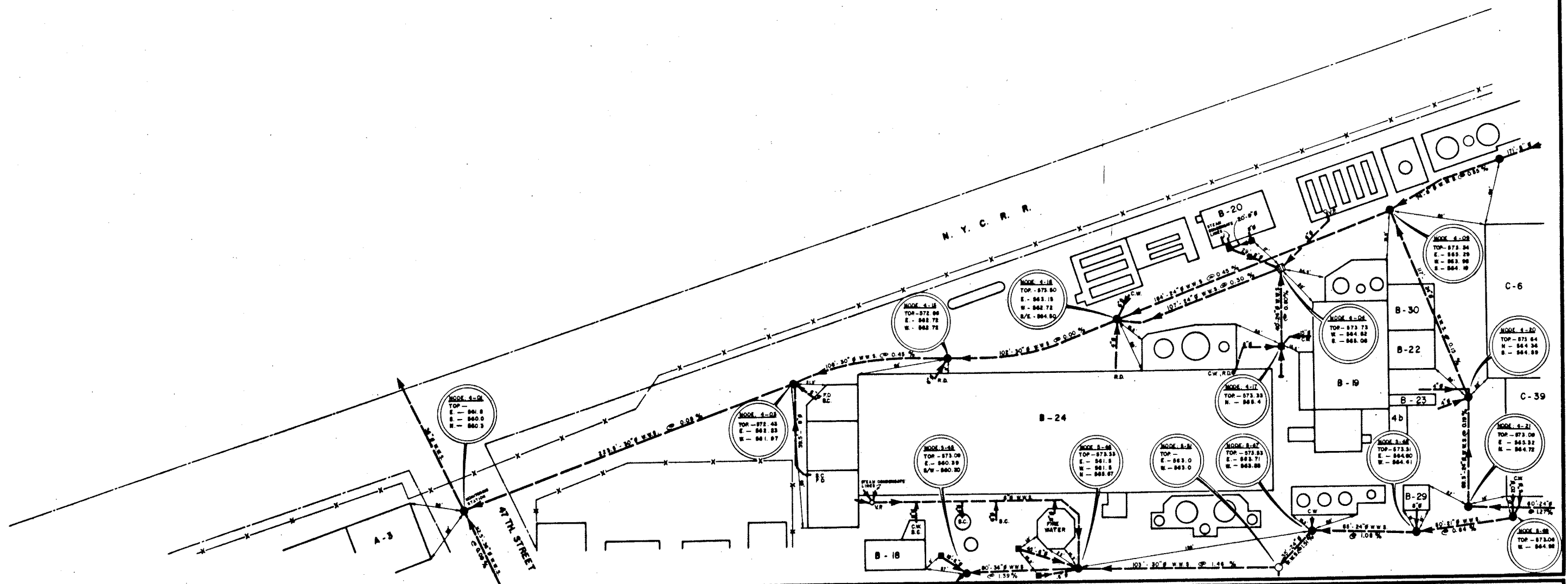


HOOKER CHEMICALS & PLASTICS CORP.  
 NIAGARA PLANT  
 NORTH OF BUFFALO AVE.  
 'E' AREA

	Conestoga-Rovers & Associates 881 Colby Drive Westport, N.Y. 14144 881 Durham St. Kincaid, N.Y. 14093			
	Drawn by: D.C.M. Checked: P.T.F.	Scale: AS SHOWN Project Number: 979-626	Field Book: 80-W-1226 Drawing Number: CRA-80-001	

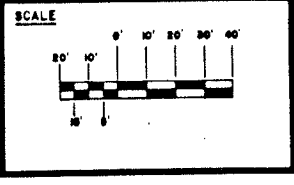


MANHOLE IDENTIFICATION		
NODE	CRA	HOOKER
4-01	406	93 a
4-03	407	93 d
4-04	410	97 a
4-09	412	97
4-15	408	93 c
4-16	409	93 b
4-17	411	97 b
4-20	413	88
4-21	414	76
8-45	565	215
8-46	566	214
8-47	568	212
8-48	569	211
8-49	570	210
8-51	567	213



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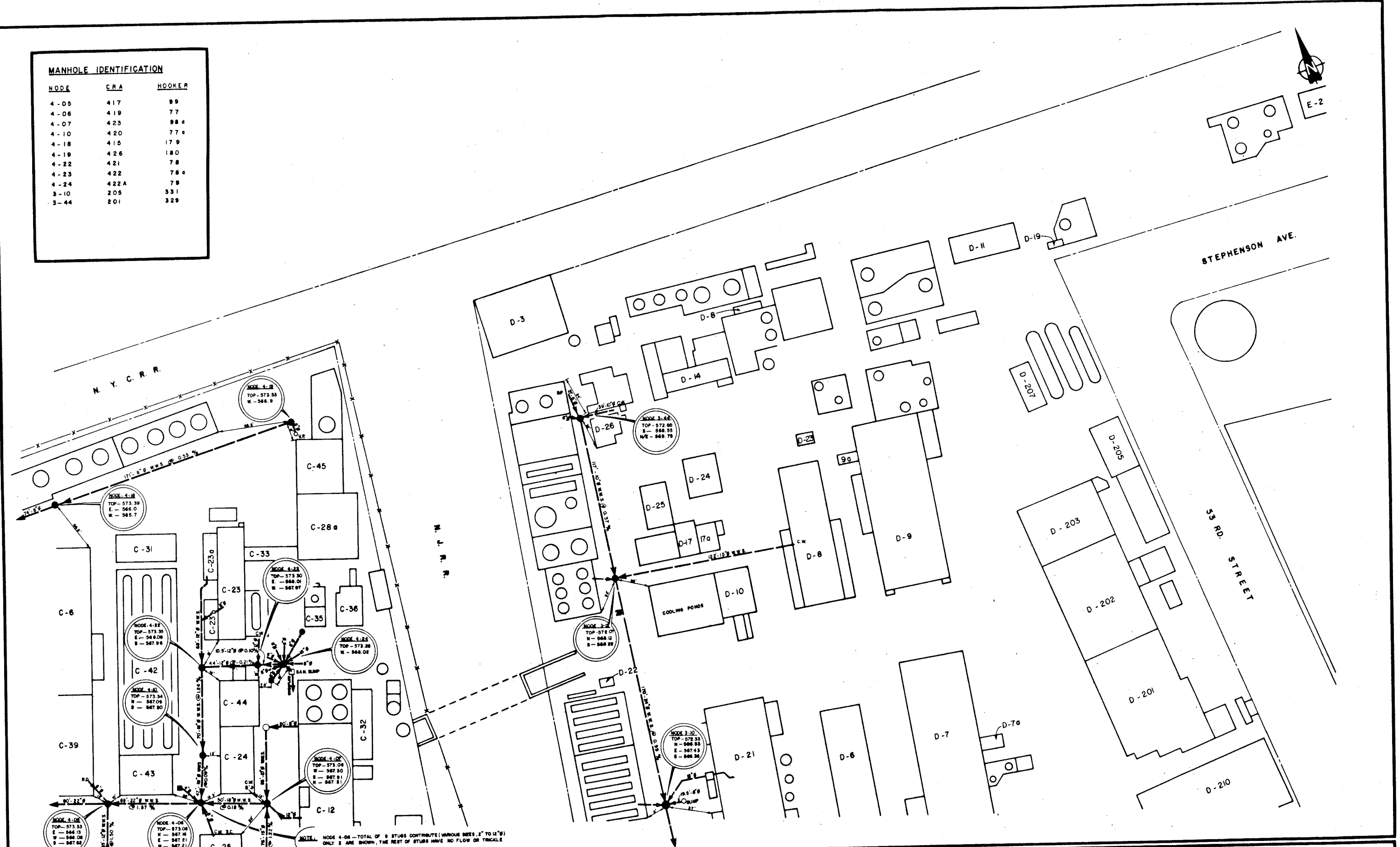
HOOKER CHEMICALS & PLASTICS CORP.  
 NIAGARA PLANT  
 NORTH OF BUFFALO AVE.  
 'B' AREA

**e** Conestoga-Rovers & Associates  
 881 Gable Drive Waterloo NY 1314  
 881 Durham St. Kincardine NOB 800 **R**

Drawn by: Z.M.R.	Scale: AS SHOWN	Field Book: 80-W-1225	Date: MARCH 1980
Checked: DCM	Project Number: 979-626	Drawing Number: CRA-80-002	Revision:

**MANHOLE IDENTIFICATION**

NODE	C.R.A	HOOKER
4-05	417	99
4-06	419	77
4-07	423	98 d
4-10	420	77 e
4-18	415	179
4-19	426	180
4-22	421	78
4-23	422	78 e
4-24	422A	79
3-10	205	331
3-44	201	329



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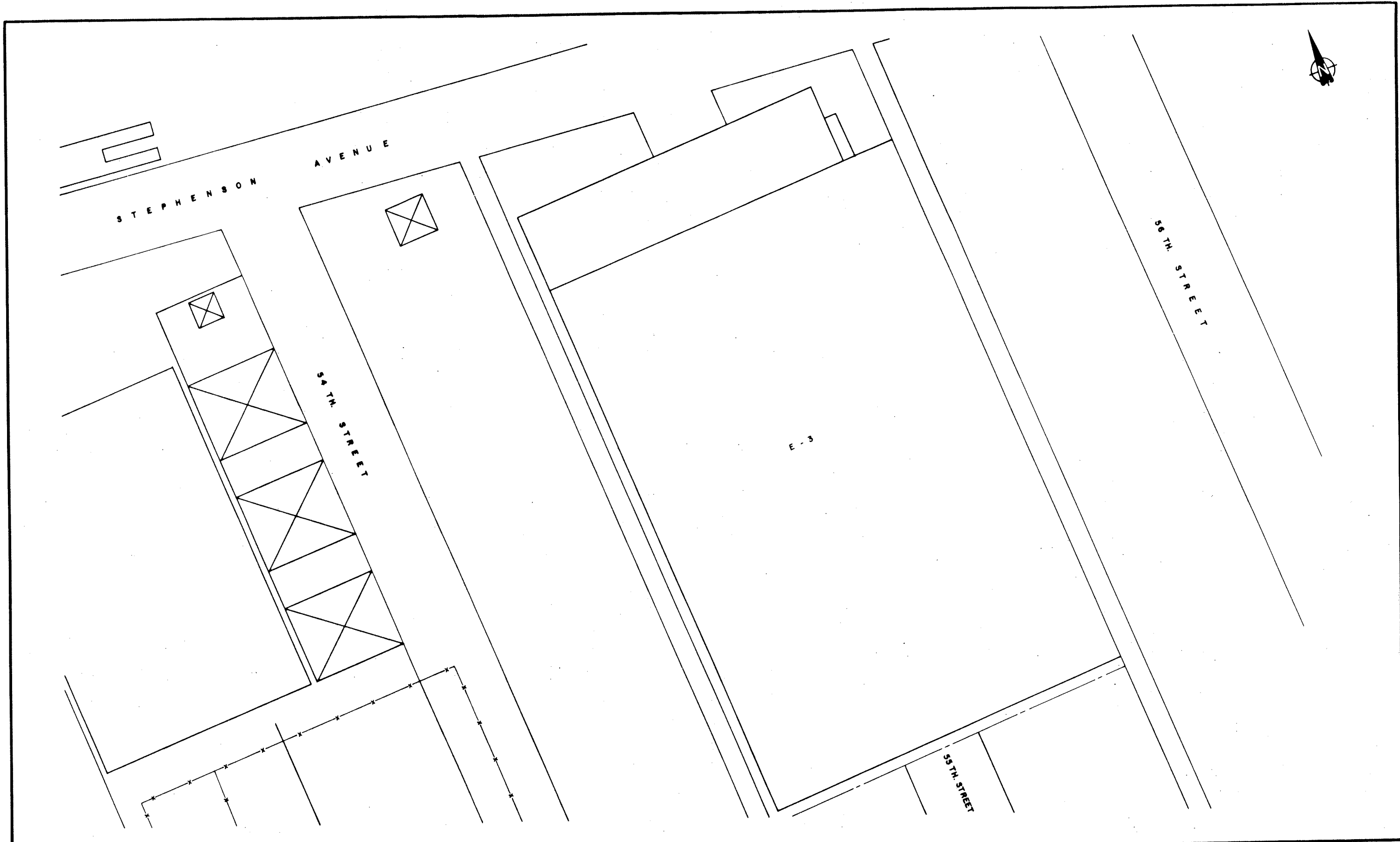
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**HOOKER CHEMICALS & PLASTICS CORP.**  
 NIAGARA PLANT  
 NORTH OF BUFFALO AVE.  
 'C' and 'D' AREA

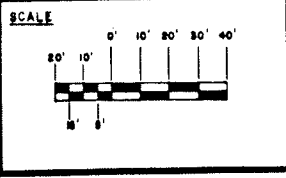
**Conestoga-Rovers & Associates**  
 881 Colby Drive Westport NY 10994  
 881 Durham St. Kineardine NOB 800

Drawn by	Z.M.P.	Scale	AS SHOWN	Field Book	80-W-1226	Date	MARCH 1980
Checked	DCM	Project Number	979-626	Drawing Number	CRA-80-003	Revision	



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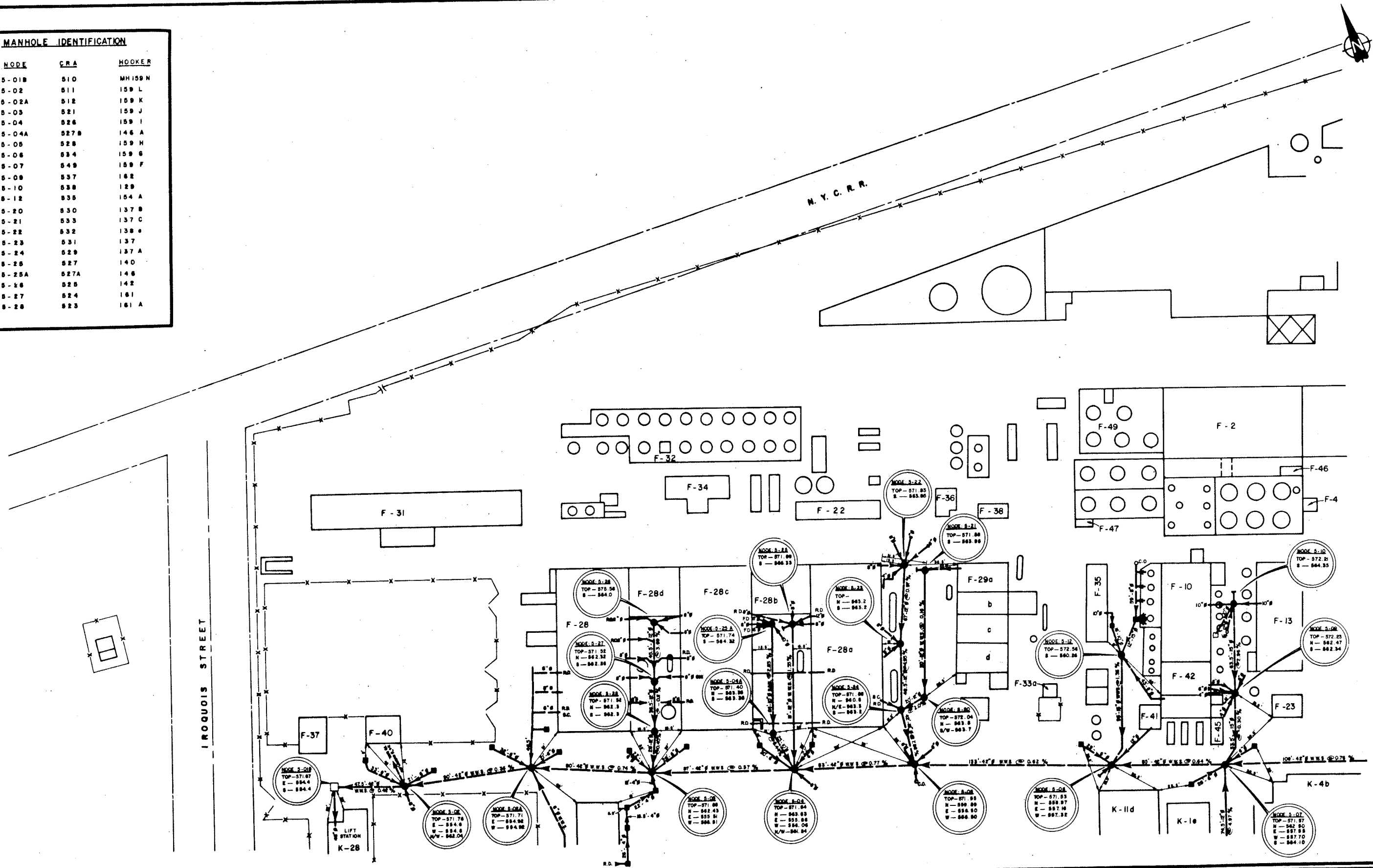
HOOKER CHEMICALS & PLASTICS CORP.  
 NIAGARA PLANT  
 NORTH OF BUFFALO AVE.  
 'E' AREA

Conestoga-Rovers & Associates 221 Caley Drive Waterloo, ON N2V 2S4 261 Durham St. Kinsardine, ON N0B 2G0			
Drawn by:	Scale:	Field Book:	Date:
C.J.V.	AS SHOWN	80-W-1226	MARCH 1980
Checked:	Project Number:	Drawing Number:	Revision:
W.K.E.	979-626	CRA-80-004	



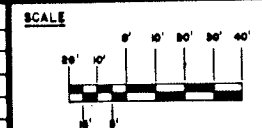
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NODE	CRA	HOOKER
5-01B	510	MH 159 N
5-02	511	159 L
5-02A	512	159 K
5-03	521	159 J
5-04	526	159 I
5-04A	527B	146 A
5-05	528	159 H
5-06	534	159 G
5-07	549	159 F
5-08	537	162
5-10	538	129
5-12	535	154 A
5-20	530	137 B
5-21	533	137 C
5-22	532	138 *
5-23	531	137
5-24	529	137 A
5-25	527	140
5-25A	527A	146
5-26	525	142
5-27	524	161
5-28	523	161 A



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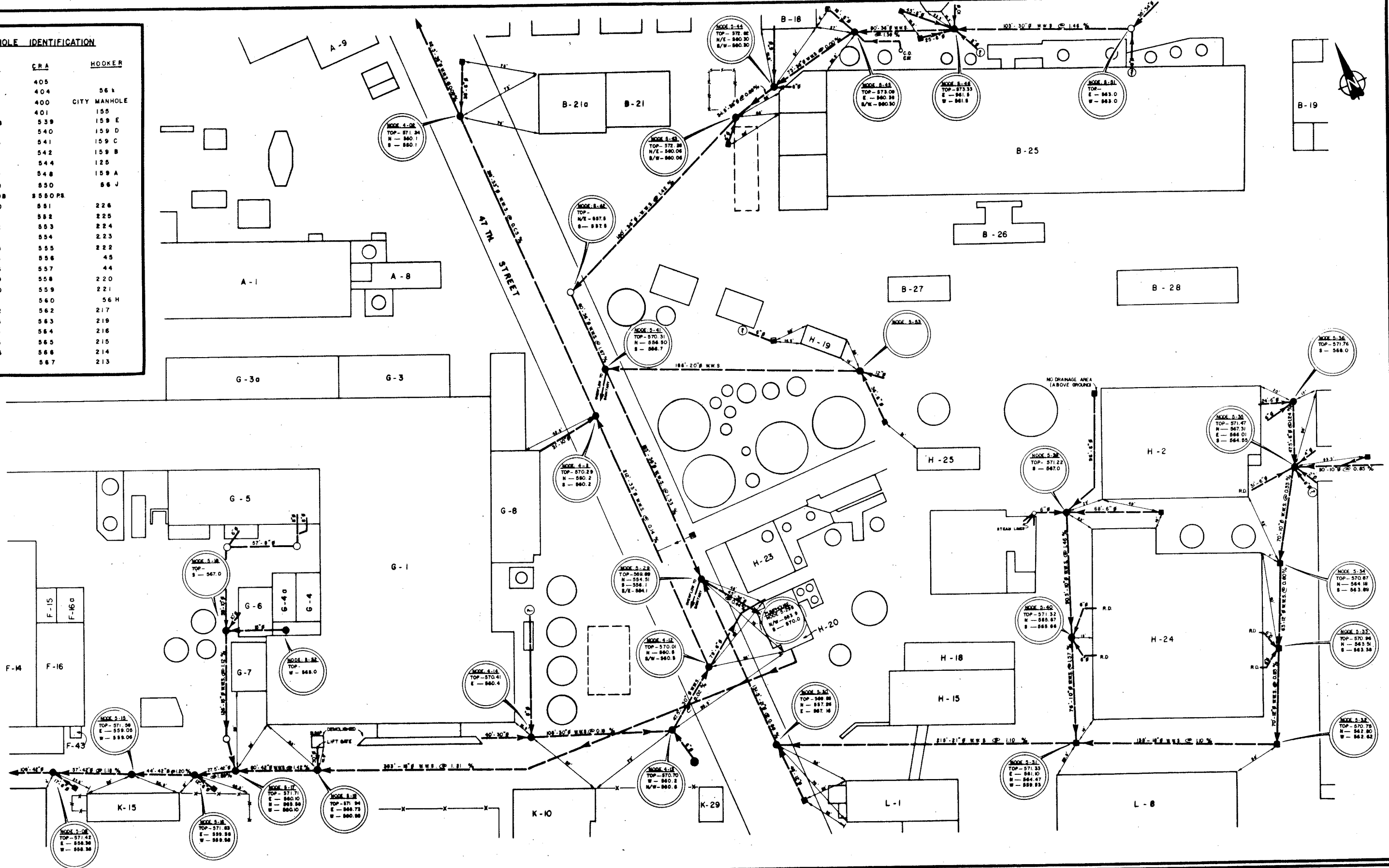
**HOOKER CHEMICALS & PLASTICS CORP.**  
**NIAGARA PLANT**  
 NORTH OF BUFFALO AVE.  
 'F' AREA

**Conestoga-Rovers & Associates**  
 881 Colby Drive Westport, N.Y. 10994  
 881 Durham St. Kincardine, Ont. M0G 0B0

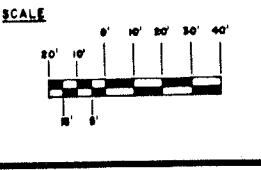
Drawn by: Z.M.P. AS SHOWN 80-W-1226 Date: AUG 1980  
 Checked: D.C.M. Project Number: 979-626 Drawing Number: CRA-80-005

**MANHOLE IDENTIFICATION**

NODE	CRA	HOOKER
4-02	405	
4-11	404	56 K
4-12	400	CITY MANHOLE
4-13	401	155
5-08	539	159 E
5-15	540	159 D
5-16	541	159 C
5-17	542	159 B
5-18	544	125
5-19	548	159 A
5-29	550	56 J
5-29B	550 PS	
5-30	551	226
5-31	552	225
5-32	553	224
5-33	554	223
5-34	555	222
5-35	556	45
5-36	557	44
5-39	558	220
5-40	559	221
5-41	560	56 H
5-42	562	217
5-43	563	219
5-44	564	216
5-45	565	215
5-46	566	214
5-51	567	213



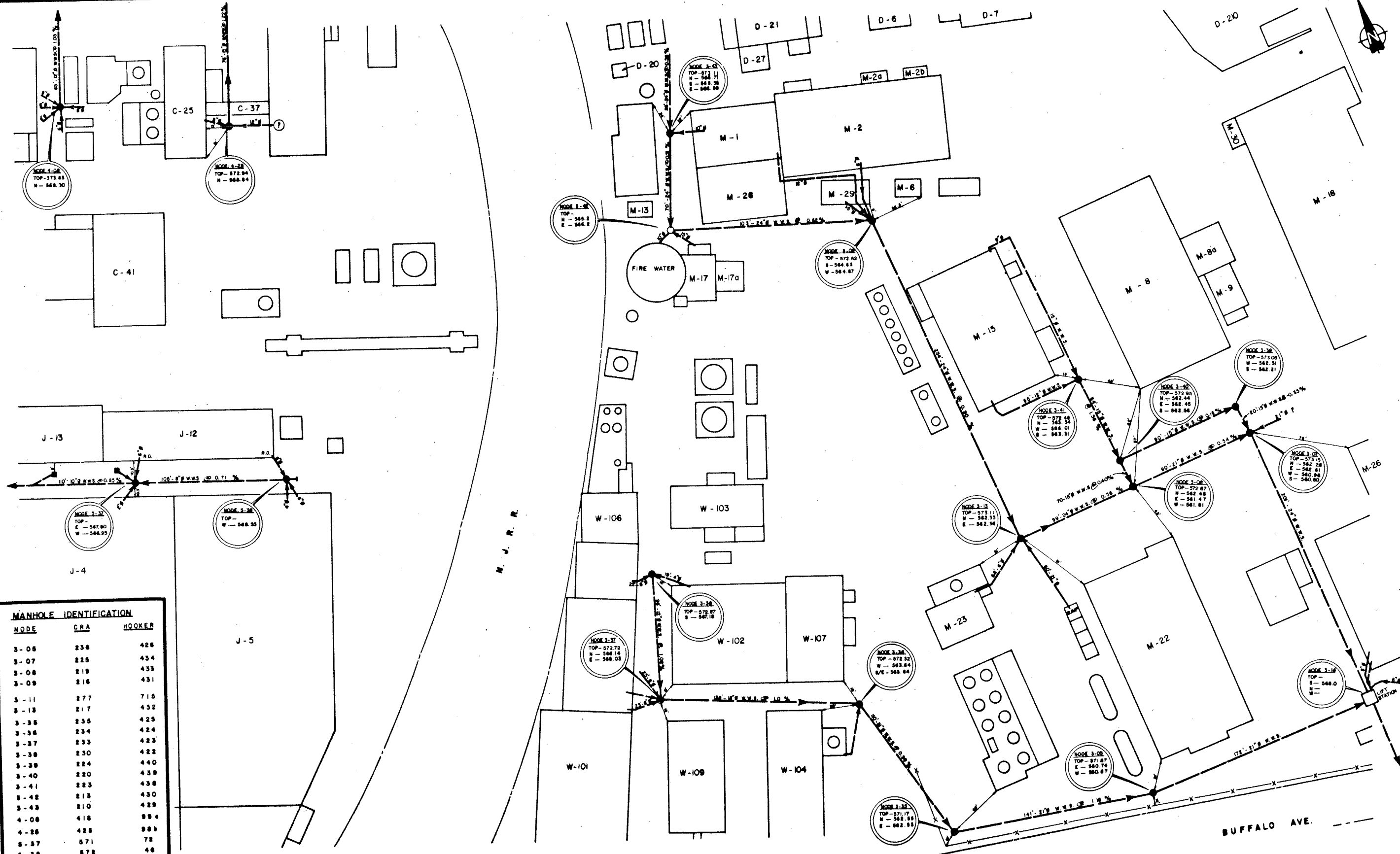
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HOOKER CHEMICALS & PLASTICS CORP.  
NIAGARA PLANT  
NORTH OF BUFFALO AVE.  
'G', 'H', 'K' and 'L' AREA

**Constoga - Rovers & Associates**  
881 Colby Drive Westport, NY 1244  
881 Durham St. Kineardine, MDG 8000

Drawn by: Z.M.P. Scale: AS SHOWN. Field Book: BO-W-1226. Date: MARCH 1980.  
Checked: D.C.M. Project Number: 979-626. Drawing Number: CRA-80-006. Revision:



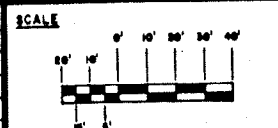
**MANHOLE IDENTIFICATION**

NODE	CRA	HOOKEE
3-06	236	426
3-07	228	434
3-08	219	433
3-09	216	431
3-11	277	715
3-13	217	432
3-36	236	425
3-36	234	424
3-37	233	423
3-38	230	422
3-39	224	440
3-40	220	439
3-41	223	438
3-42	213	430
3-43	210	429
4-08	418	994
4-26	428	985
8-37	871	78
8-38	872	48

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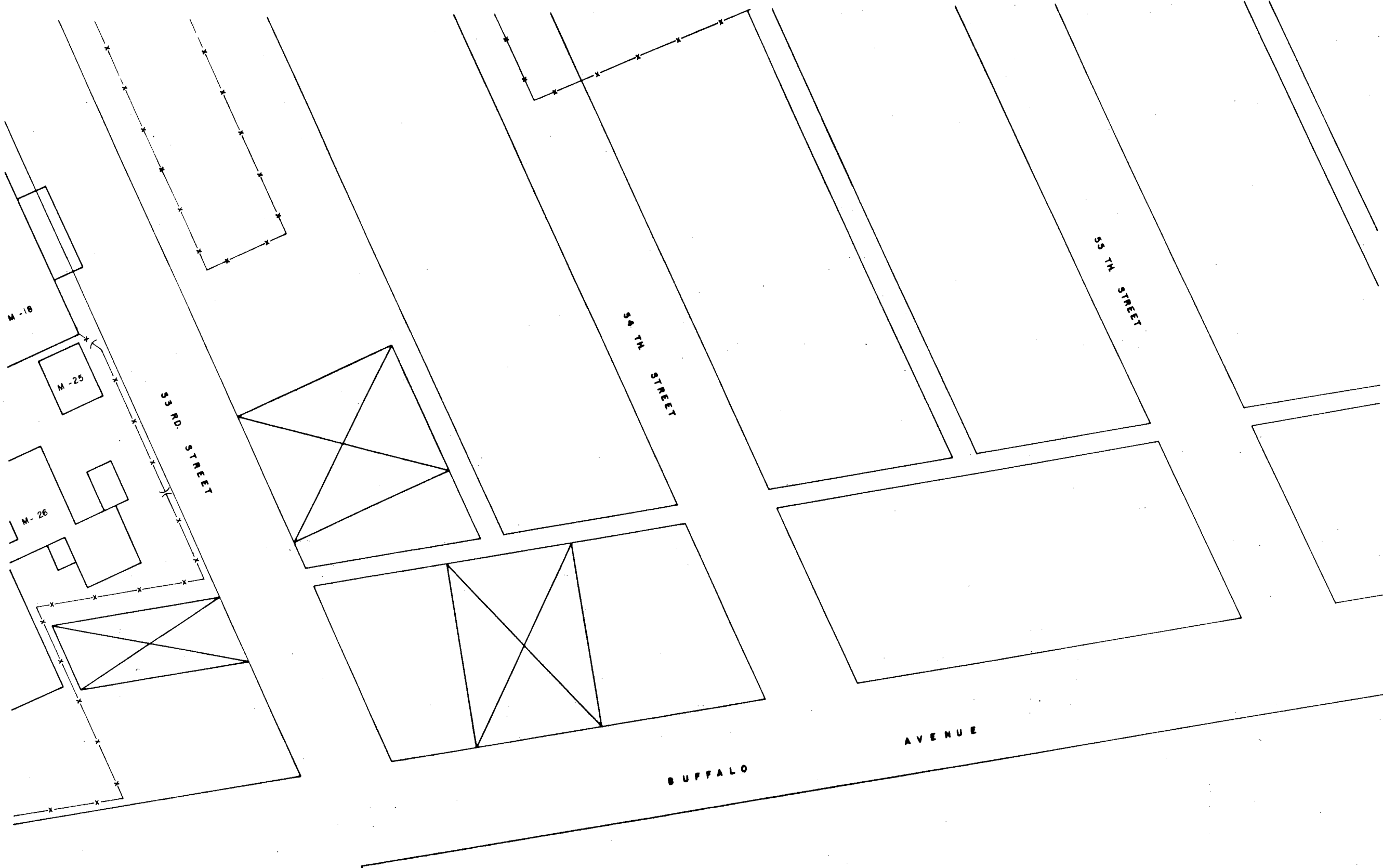
NO.	Revision	Date	Initial



**HOOKEE CHEMICALS & PLASTICS CORP.**  
**NIAGARA PLANT**  
**NORTH OF BUFFALO AVE.**  
**'C', 'M', 'J' and 'W' AREA**

**e** **Consotoga Rivers & Associates**  
 881 Gully Drive Westport NY 12584  
 881 Durham St. Kinsardine NOB 800

Drawn by: J.M.R. Scale: AS SHOWN Field Book: 80-W-1226 Date: MARCH 1980  
 Checked: D.C.M. Report Number: 979-626 Drawing Number: CRA-80-007 Revision:



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NO.	Revision	Date	Initial

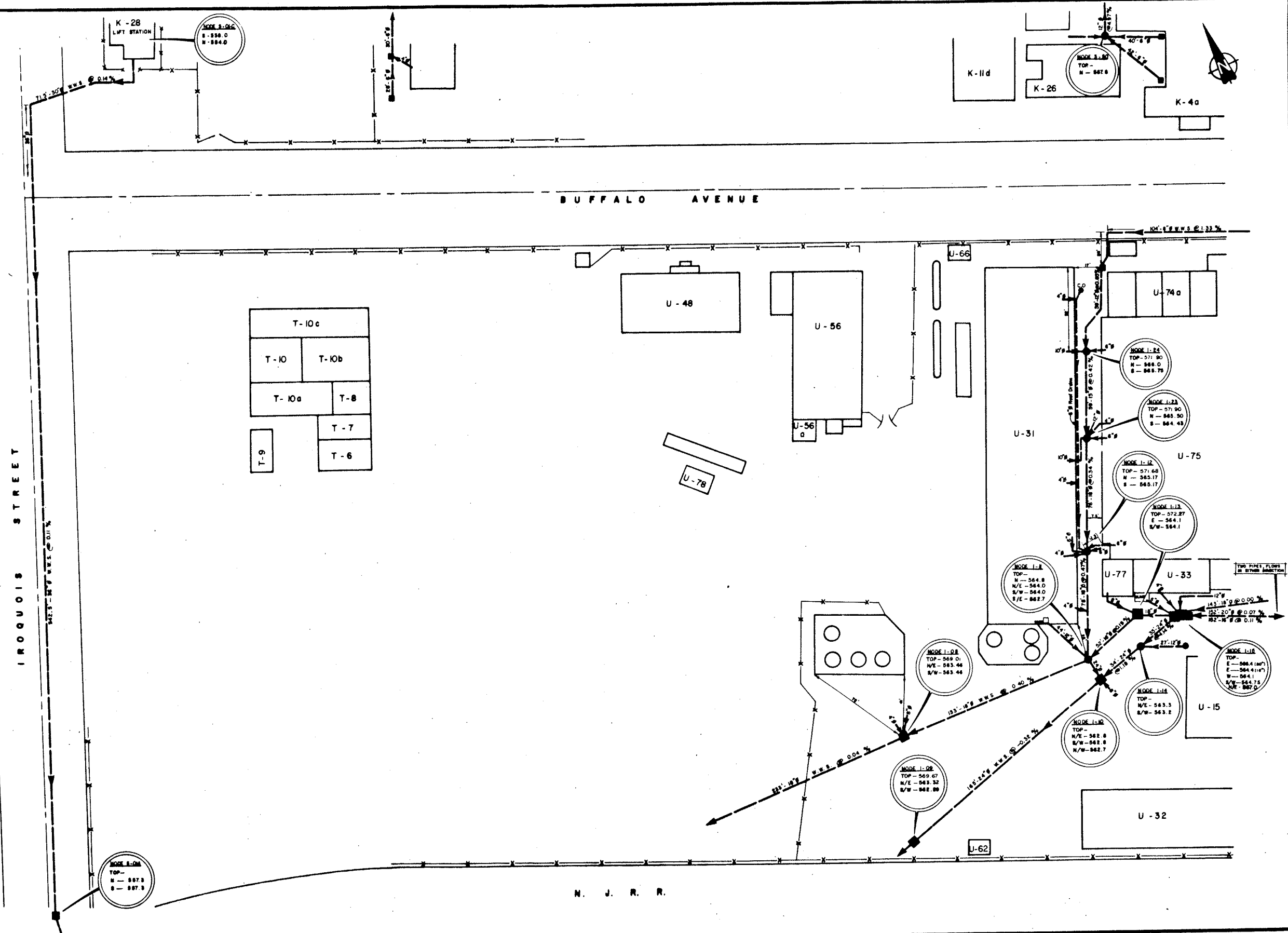


HOOKER CHEMICALS & PLASTICS CORP.  
 NIAGARA PLANT  
 NORTH OF BUFFALO AVE.  
 'M' and 'W' AREA

881 Colby Drive Westport NY 12584 881 Durham St. Kinsardine MDG 800			
Drawn by:	Scale:	Field Book:	Date:
C.J.V.	AS SHOWN	80-W-1226	MARCH 1980
Checked:	Project Number:	Working Number:	Revision:
W.K.E.	979-626	CRA-80-008	

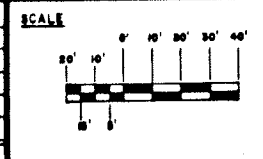
**MANHOLE IDENTIFICATION**

NODE	CRA	HOOVER
1-08	52	517
1-09	70	522
1-10	25	523
1-11	49	516
1-12	45	515
1-13	19	525
1-14	24	524
1-15	18	526
1-23	34	514
1-24	32	513
5-DIA	JCT 808	JCT 1
5-DIC	509 P.S.	
5-50	536	111



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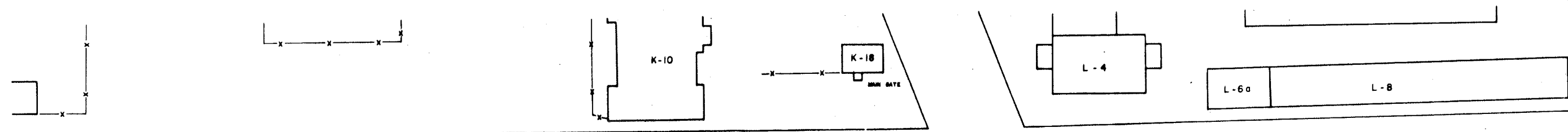
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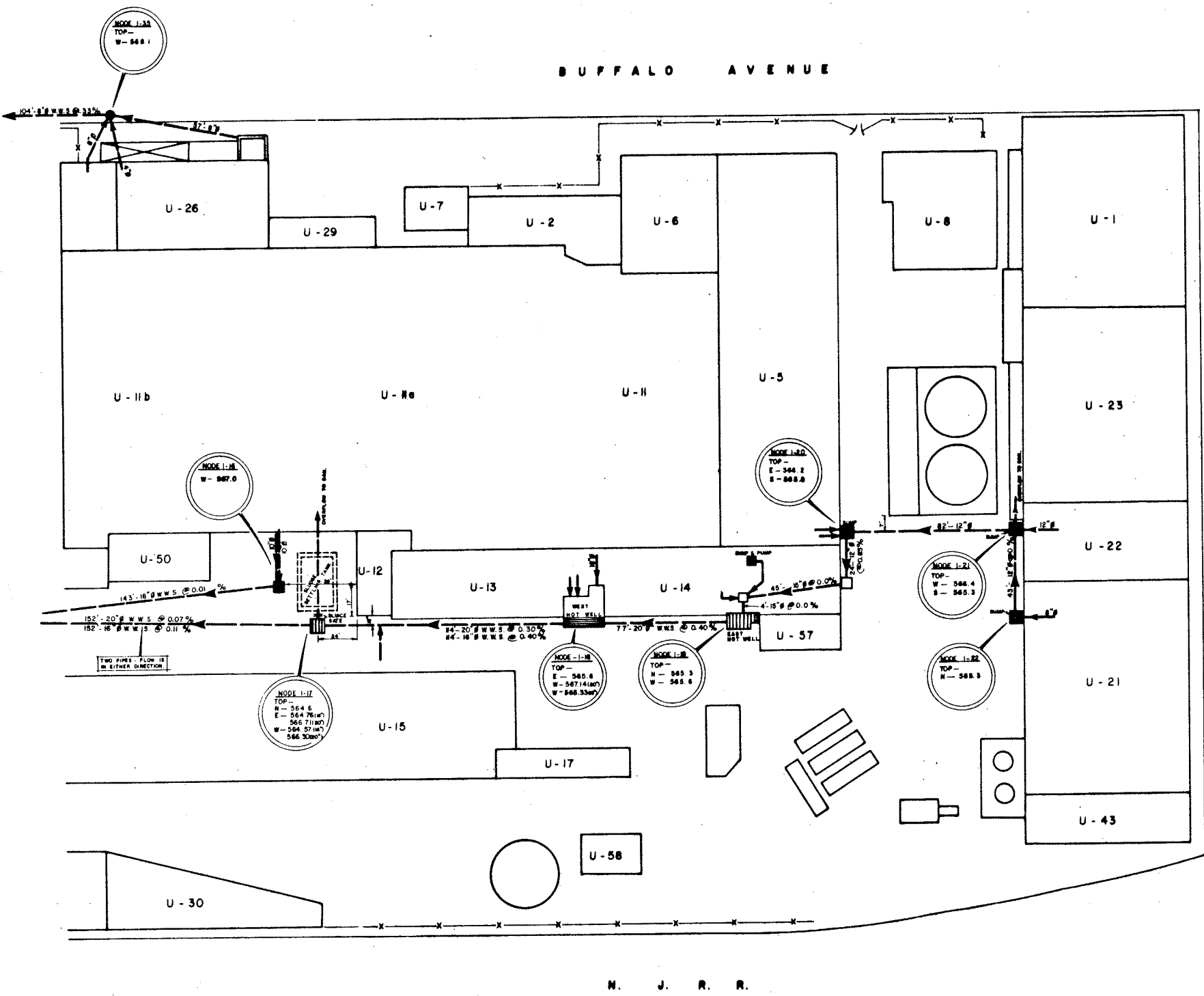
**HOOVER CHEMICALS & PLASTICS CORP.**  
**NIAGARA PLANT**  
**SOUTH OF BUFFALO AVE.**  
**'T' AREA**

**Consistoga - Rivers & Associates**  
 651 Colby Drive Westport, N.Y. 10984  
 651 Durham St. Kincardine, ONT. M9G 1S0

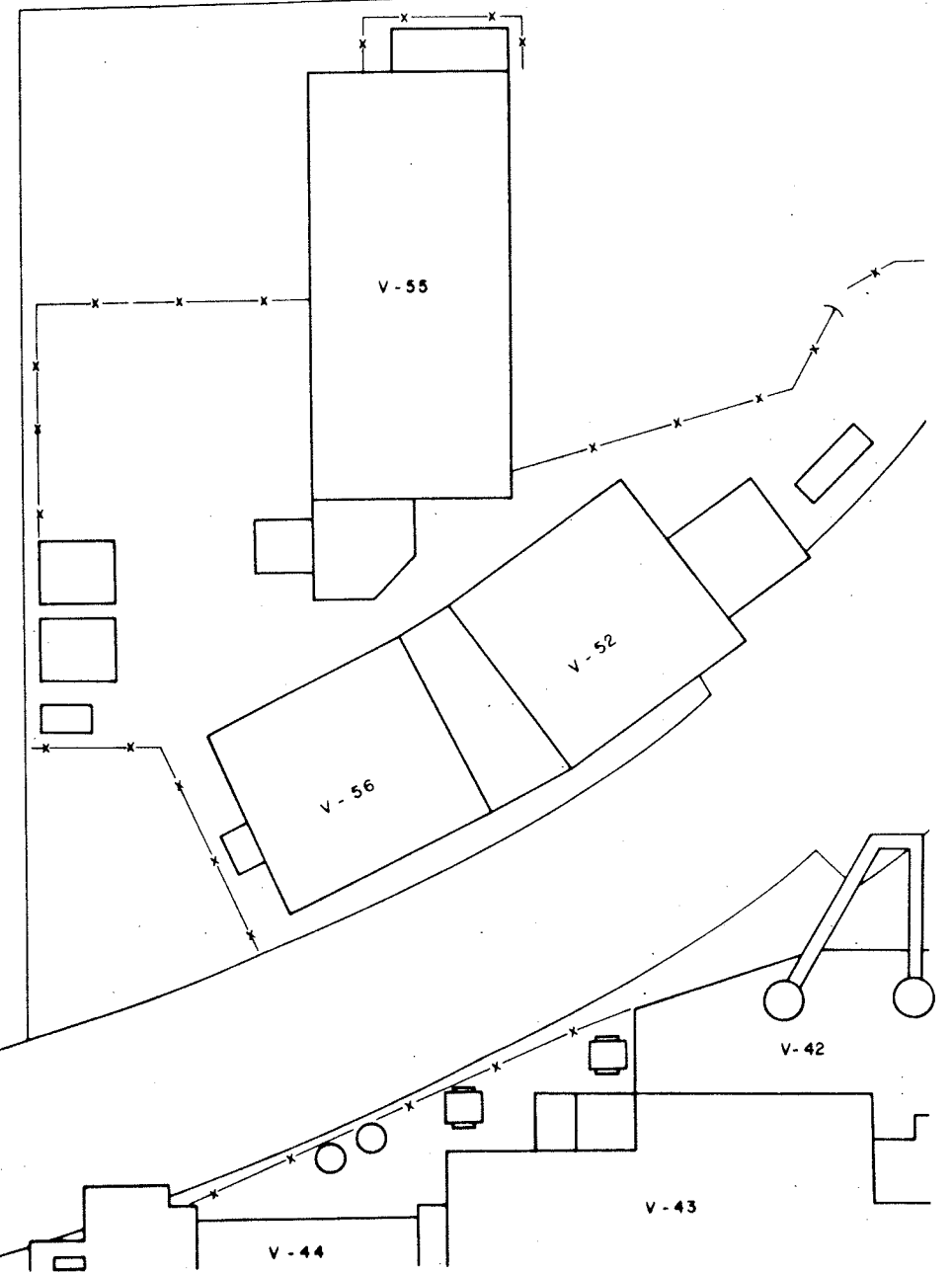
Drawn by: Z.M.R. Scale: AS SHOWN Field Book: 80-W-1226 Date: MARCH 1980  
 Checked: D.C.M. Project Number: 979-626 Drawing Number: CRA-80-009



BUFFALO AVENUE

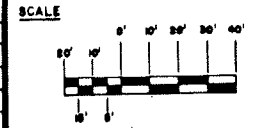


47 TH. STREET



N. J. R. R.

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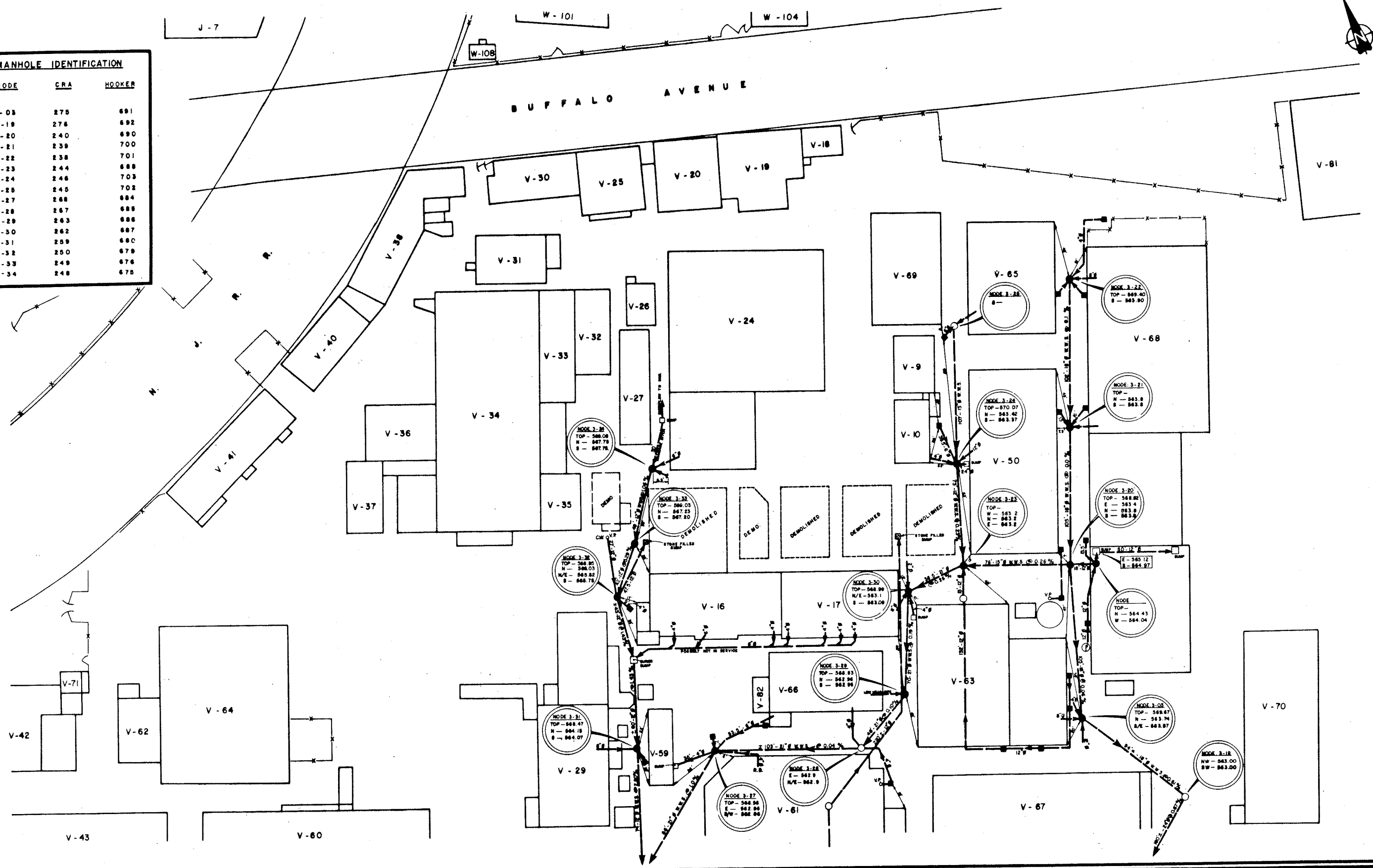
HOOKER CHEMICALS & PLASTICS CORP.  
 NIAGARA PLANT  
 SOUTH OF BUFFALO AVE.  
 'U' and 'V' AREA

**Constoga Rivers & Associates**  
 881 Colby Drive Westport NY 14144  
 881 Durham St. Kinross NY 14088

Drawn by: Z.M.R. Scale: AS SHOWN Field Book: 80-W-1226 Date: MARCH 1980  
 Checked: D.C.M. Project Number: 979-626 Drawing Number: CRA-80-010 Revision:

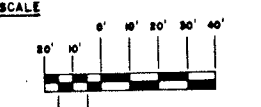


MANHOLE IDENTIFICATION		
NODE	CRA	HOOKEE
3-03	275	691
3-19	276	692
3-20	240	690
3-21	239	700
3-22	238	701
3-23	244	688
3-24	246	703
3-25	245	702
3-27	268	684
3-28	267	685
3-29	263	686
3-30	262	687
3-31	259	680
3-32	250	679
3-33	249	676
3-34	248	675



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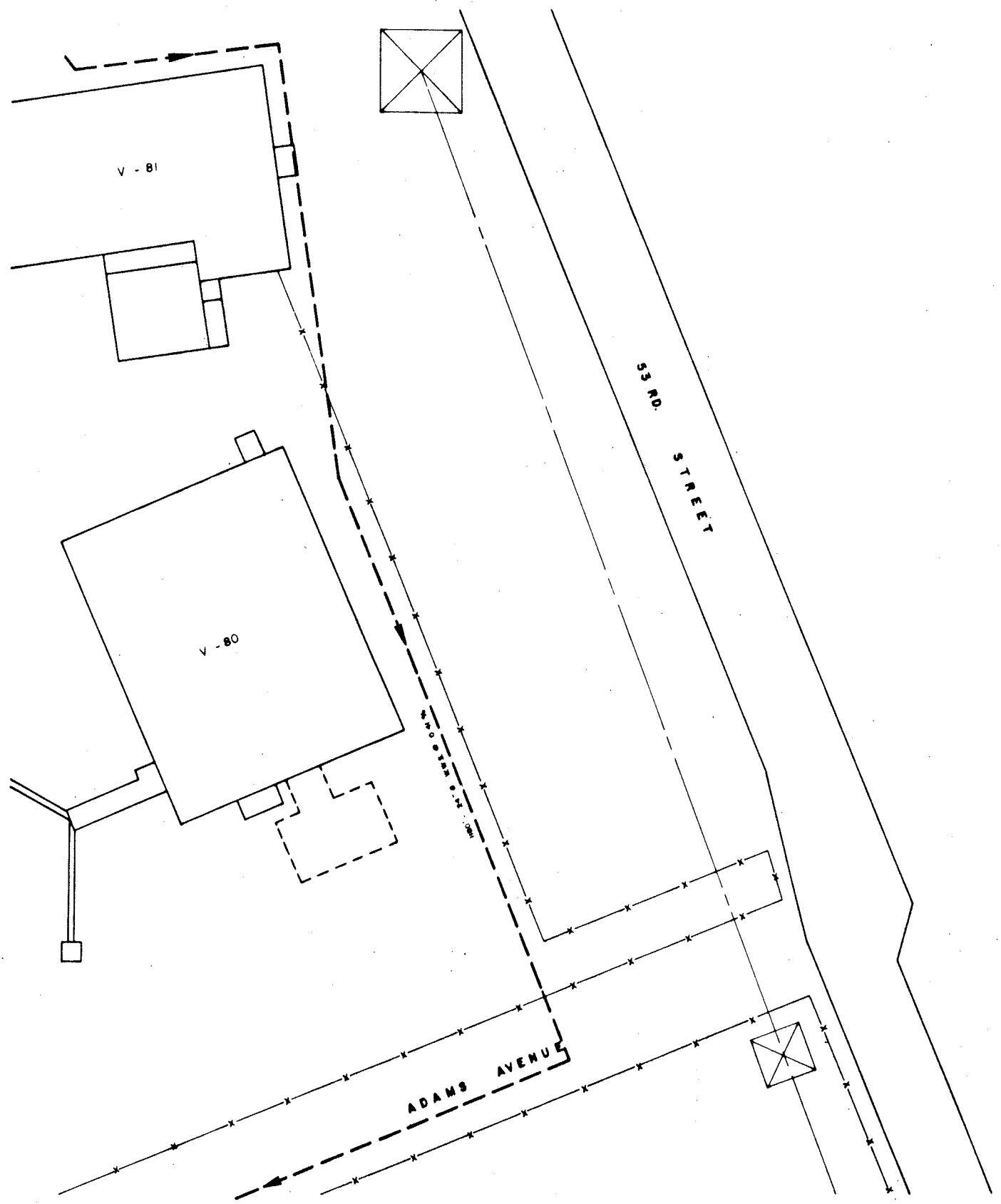
NO.	REVISION	DATE	INITIAL



HOOKEE CHEMICALS & PLASTICS CORP.  
 NIAGARA PLANT  
 SOUTH OF BUFFALO AVE.  
 'V' AREA

**e** Constoga Rovers & Associates  
 881 Colby Drive Westport NY 124  
 881 Durham St. Kinrossline NOB 800 **R**

Drawn by: C.J.V.	Scale: AS SHOWN	Field Book: 80-W-1226	Date: MARCH 1980
Checked: W.K.E.	Project Number: 979-626	Drawing Number: CRA-80-01	Revisions:



CITY WATER WORKS  
FILTRATION PLANT

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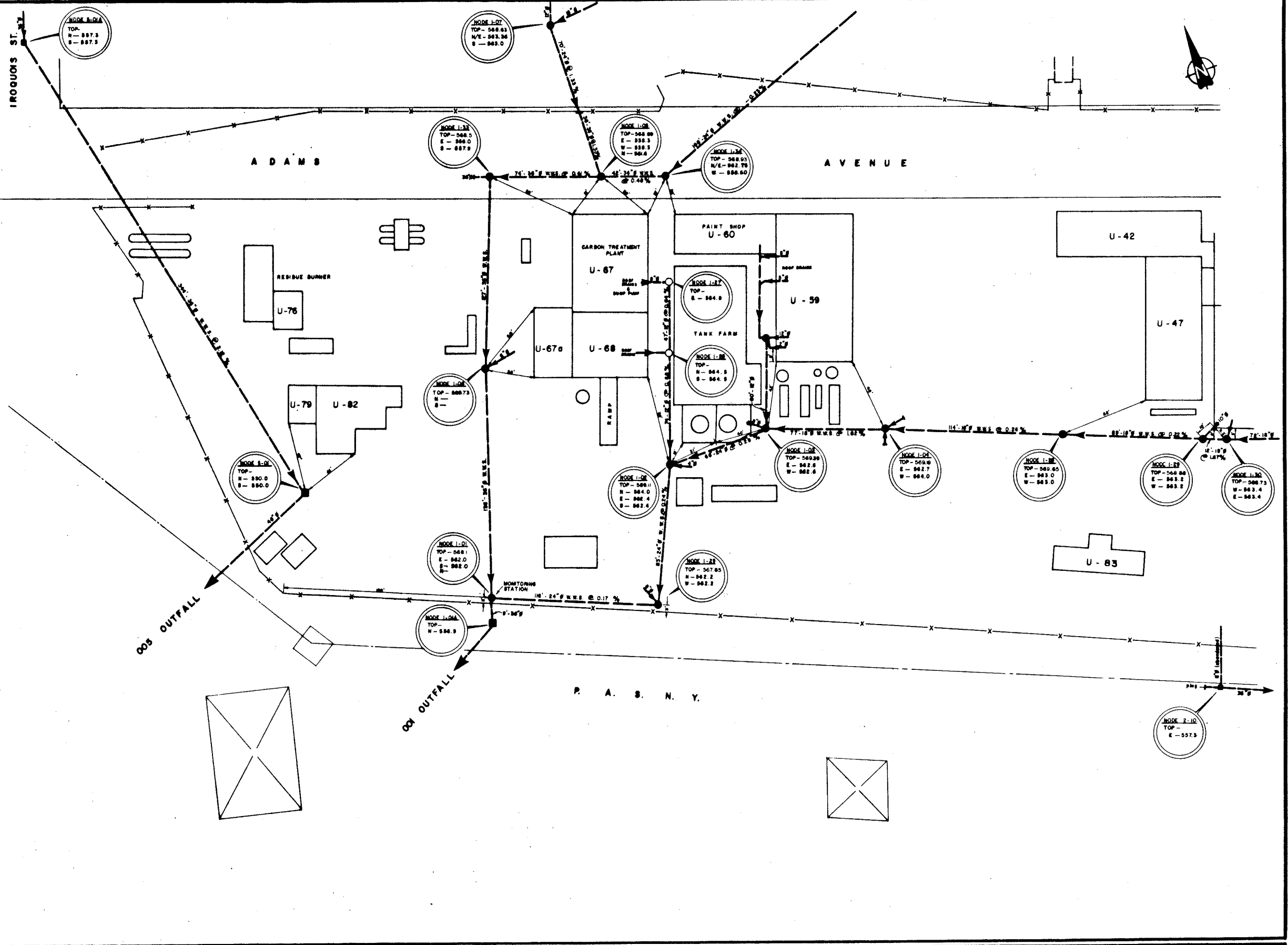
Revision	Date	Initial



HOOKER CHEMICALS & PLASTICS CORP.  
NIAGARA PLANT  
SOUTH OF BUFFALO AVE.  
'V' AREA

881 Colby Drive Westport NY 124 881 Durham St. Kinross NY 120			
Drawn by:	Scale:	Field Book:	Date:
C.J.V.	AS SHOWN	80-W-1226	MARCH 1960
Checked:	Project Number:	Drawing Number:	Revision:
W.K.E.	979-626	CRA-80-012	



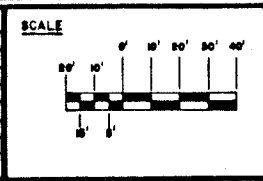


**MANHOLE IDENTIFICATION**

NODE	CRA	HOOKER
1-01	74	584
1-02	76	582
1-03	82	588
1-04	97	589
1-05	68	519
1-06	72	585
1-07	63	518
1-25	75	583
1-26	77	581
1-27	79	580
1-28	103	590
1-29	104	591
1-30	109	592
1-33	71	520
1-34	69	521
2-10	122	
5-01	JCT 507	JCT 2
5-01A	JCT 508	JCT 1

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037	038	039	040
041	042	043	044
045	046	047	048
049	050	051	052
053	054	055	056
057	058	059	060
061	062	063	064
065	066	067	068
069	070	071	072
073	074	075	076
077	078	079	080
081	082	083	084
085	086	087	088
089	090	091	092
093	094	095	096
097	098	099	100



**HOOKER CHEMICALS & PLASTICS CORP.**  
**NIAGARA PLANT**  
 SOUTH OF BUFFALO AVE.  
 'U' AREA

**Conestoga-Rovers & Associates**  
 551 Colby Drive Waterloo, NY 13148  
 551 Denton St. Kincardine, ONG 8G0

Drawn by: Z.M.P. AS SHOWN Date: MARCH 1980  
 Checked by: R.E.E. 979-626 CRA-80-013

ADAMS AVENUE

47TH STREET

P. A. S. N. Y.

MANHOLE IDENTIFICATION		
NODE	C.R.A.	HOOKER
1-31	110	593
1-32	114	594
2-03	144	762
2-04	150	761
2-05	157	760
2-06	124	20
2-07	134	608
2-08	121	
2-09	117	607

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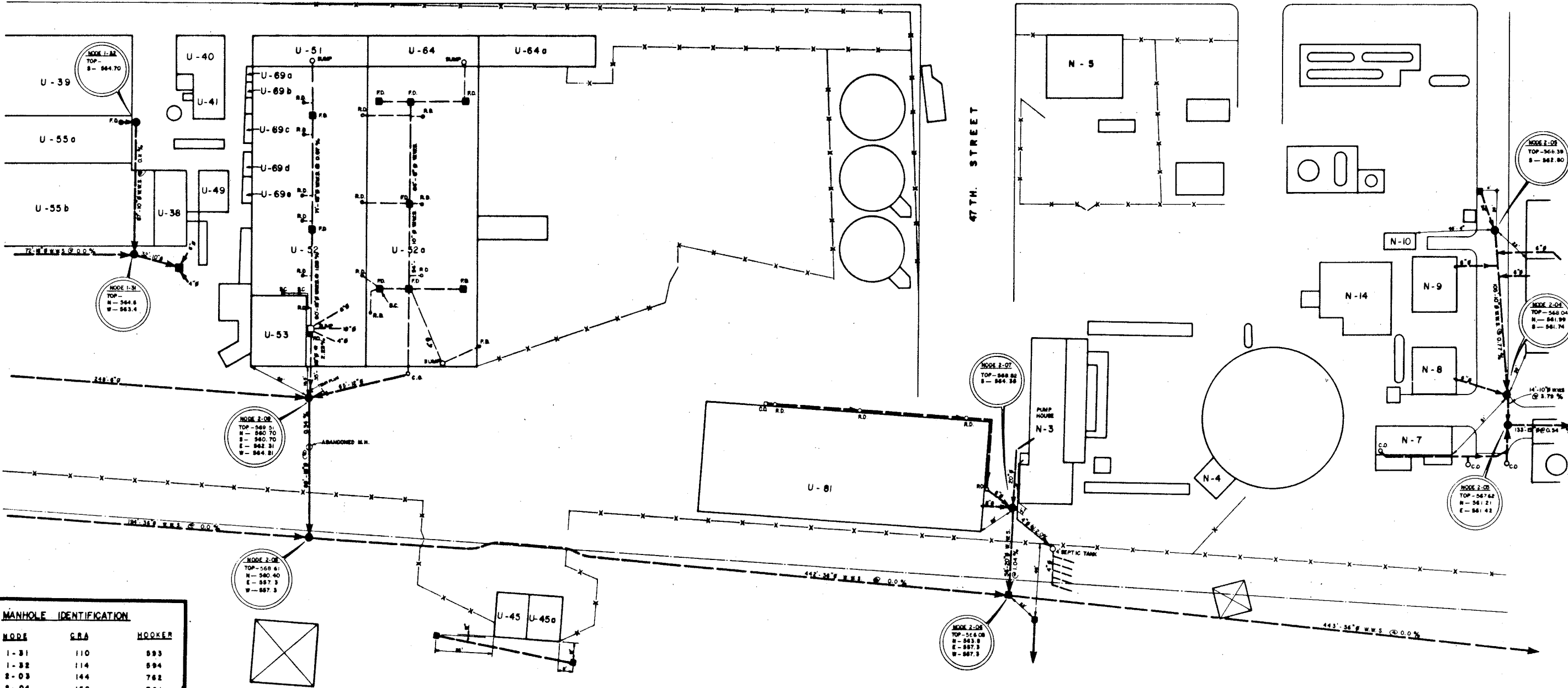
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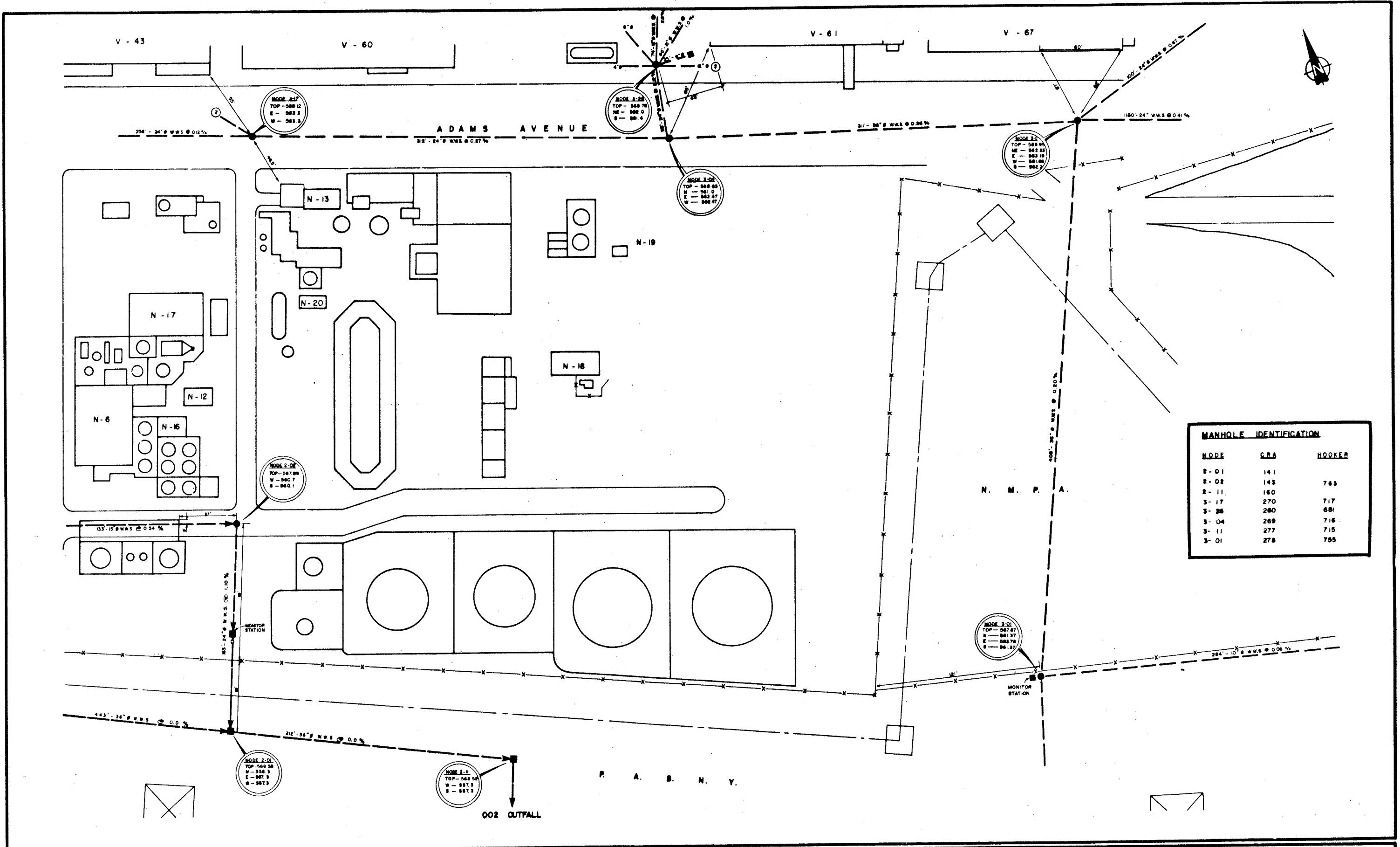


HOOKER CHEMICALS & PLASTICS CORP.  
 NIAGARA PLANT  
 SOUTH OF BUFFALO AVE.  
 'U' AREA

**e** Conestoga-Rovers & Associates  
 881 Colby Drive, Watertown, N.Y. 12148  
 881 Durtan St., Knickerbocker, N.Y. 12110

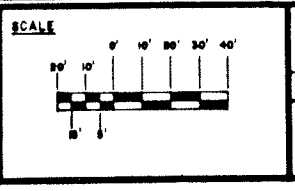
Drawn by: Z.M.P. AS SHOWN Date Book: 80-W-1226 MARCH 1980  
 Project Number: D.C.M. 979-626 Drawing Number: CRA-80-014





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NO.	REVISION	DATE	INITIALS



**HOOKEE CHEMICALS & PLASTICS CORP.**  
**NIAGARA PLANT**  
 SOUTH OF BUFFALO AVE.  
 'N' AREA

**Consatoga Rivers & Associates**  
 881 Cobby Drive Westport NY 124  
 881 Durham St. Kinsardine NOB 800

Drawn by: C.J.V.	Scale: AS SHOWN	Field Book: 80-W-1226	Date: MARCH 1980
Checked: W.K.E.	Project Number: 979-626	Drawing Number: CRA-80-015	Revised:



ADAMS AVENUE

LAGOONS

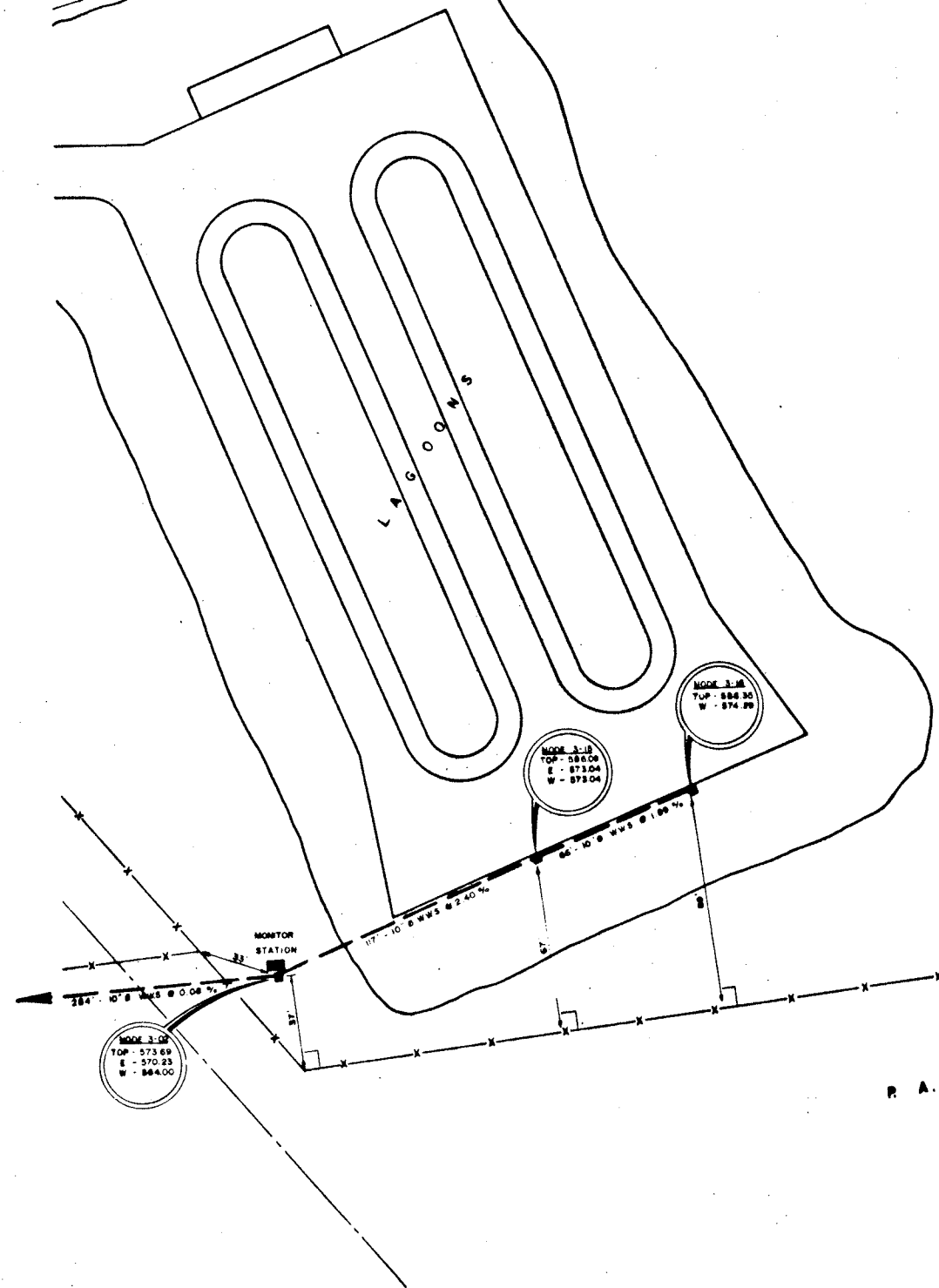
53 RD. STREET

CITY WATER WORKS  
FILTRATION PLANT

MOSES PARKWAY

ROBERT

P. A. S. N. Y.



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Revision	Date	Initial



HOOKER CHEMICALS & PLASTICS CORP.  
NIAGARA PLANT  
SOUTH OF BUFFALO AVE.  
'S' AREA

**e** Conestoga-Rovers & Associates  
221 Cady Drive Westport NY 12584  
221 Durham St. Kinsardine NSG 800

Drawn by: C.J.V.	Scale: AS SHOWN	Field Book: 80-W-1226	Date: MARCH 1980
Checked: W.K.E.	Project Number: 979-626	Drawing Number: CRA-80-016	Revision:



D  
C  
B  
A

8 7 6 5 4 3 2 1

N. Y. C. R. R.

36TH STREET

STEPHENSON AVE.

NEEDS TO BE  
CLEAN  
OUT

FIELD STUDY

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REA 22024

hooker NIAGARA FALLS, N.Y. APR 5 1983  
 SANITARY SEWERS -  
 'E' AREA (PROBLEMS AS OF 9-1-82)  
 SCALE 1"=30' BLDG NO. - DWG. A-56610

APPROVAL	SOD	LEN	DATE
STR AND CIVIL			
MECHANICAL			
ELECT AND INST			
PROCESS			
PROJECT			
DRWN BY		DATE	
DRON CAL		DATE	
CHECKED BY		DATE	

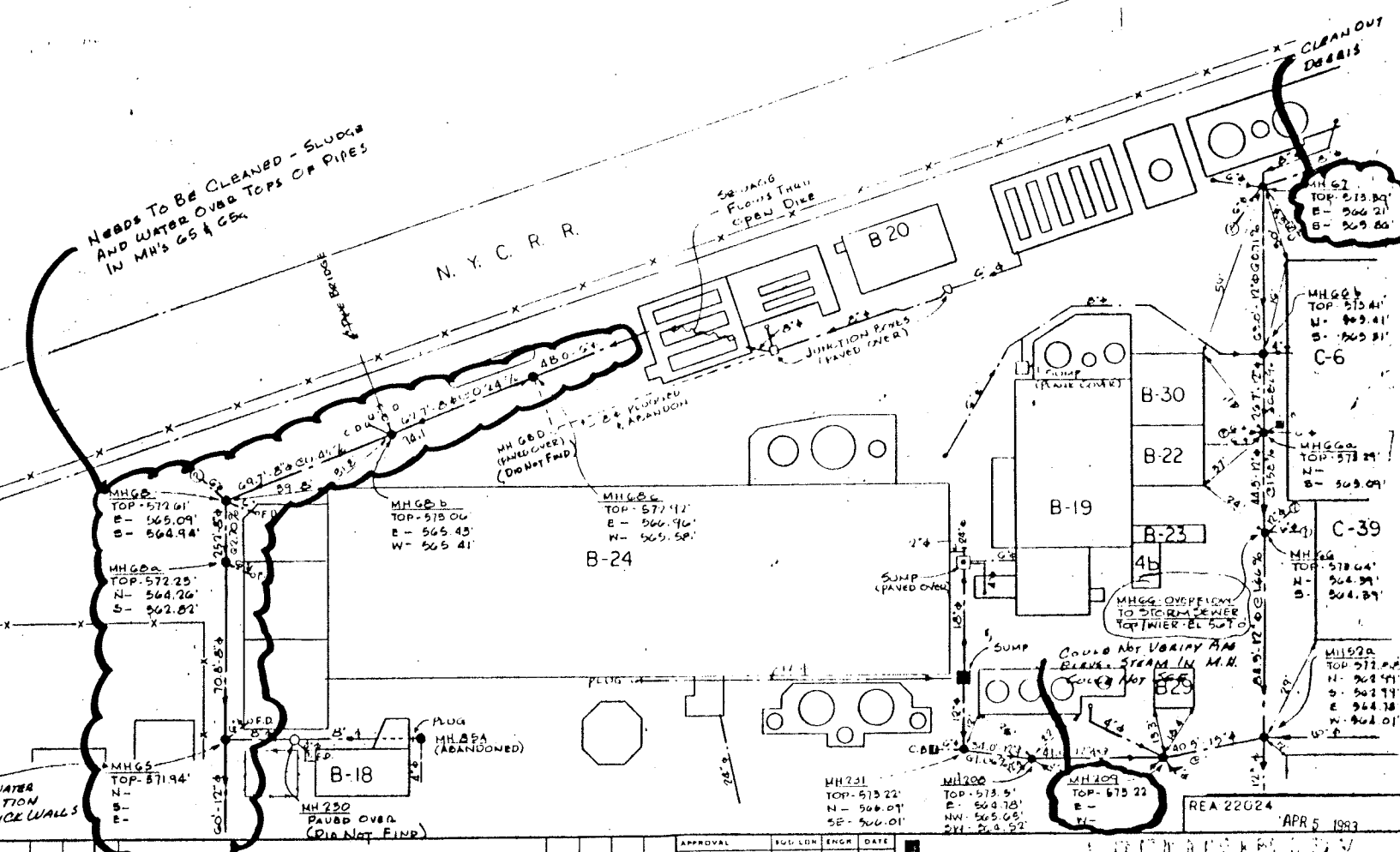
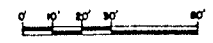
NO.	REVISIONS	DRWN	CHKD	APP.	DATE	NO.	NO.	NO.	NO.

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**FIELD STUDY**



Needs to be cleaned - Sludge and water over tops of pipes in MH's 65 & 66a

MHGBA  
GROUND WATER INFILTRATION THRU BRICK WALLS

MHGBA DIFFERENTIAL TO DETERMINE SEWER TOP/TWIER - EL. 5.07.0

THIS LINE SURCHARGED BECAUSE INLET OF MH 49A (LONG A-66015) IS HIGHER THAN INLET (SEE LONG A-66825)

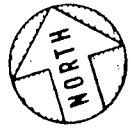
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SAN AND CIVIL	
MECHANICAL	
ELECT AND INST	
PROCESS	
PROJECT	
DRAWN BY	DATE
ISSUED BY	DATE
REVISIONS	

**Hooker PRELIMINARY**  
**SANITARY SEWERS**  
**B & C AREAS (PROBLEMS AS OF 9-1-82)**  
 SCALE 1" = 30' BLDG NO DWG. A-56611

REA 22024 APR 5 1983

REVISIONS	NO	DATE	BY	APP	CHKD	DATE	NO	REVISIONS	NO	DATE	BY	APP	CHKD	DATE	NO	REVISIONS	NO	DATE	BY	APP	CHKD	DATE	NO
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STORM SEWER - MHS #1194 #118  
 COVER HAS BEEN MARKED "SANITARY"  
 AND SHOULD CAUSE SOME CONFUSION  
 IN FIELD (SEE NOTE BELOW RE: SIGN)

NEEDS TO BE CLEANED  
 MHS 92, 92A & 96 - SLUDGE  
 OVER PIPES - COULD NOT SEE APES  
 MHS 93 - BAYONETS FALLING OUT - NEEDS REPAIRED  
 MHS 96 - GROUNDWATER LEAKING THROUGH BRICK WALLS

TOP OF M.H. NEEDS  
 REPAIRED & COVER  
 (10'x10' R) NEEDS  
 TO BE REPLACED

Needs To  
 Be Cleaned

CLEAN OUT  
 DEBRIS

18" SLUDGE IN BT.  
 NEEDS TO BE CLEANED OUT

NOT SHOWN ON  
 SEWER MAPS  
 (DWG. A-8928)

SAND BAGS BLOCKING  
 SOUTH OUTLET

Needs To Be  
 Cleaned D-21

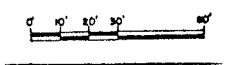
INTERMITTENT SANITARY DISCHARGE  
 CONTINUOUSLY INTO STORM SEWER  
 OVER WIRE IN SUMP SEE NOTE  
 ON DWG. A-56616

SLUDGE & WATER OVER  
 PIPES - NEEDS TO BE  
 CLEANED OUT

See DWG. A-56616  
 MHS #305A & #306B



FIELD STUDY



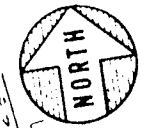
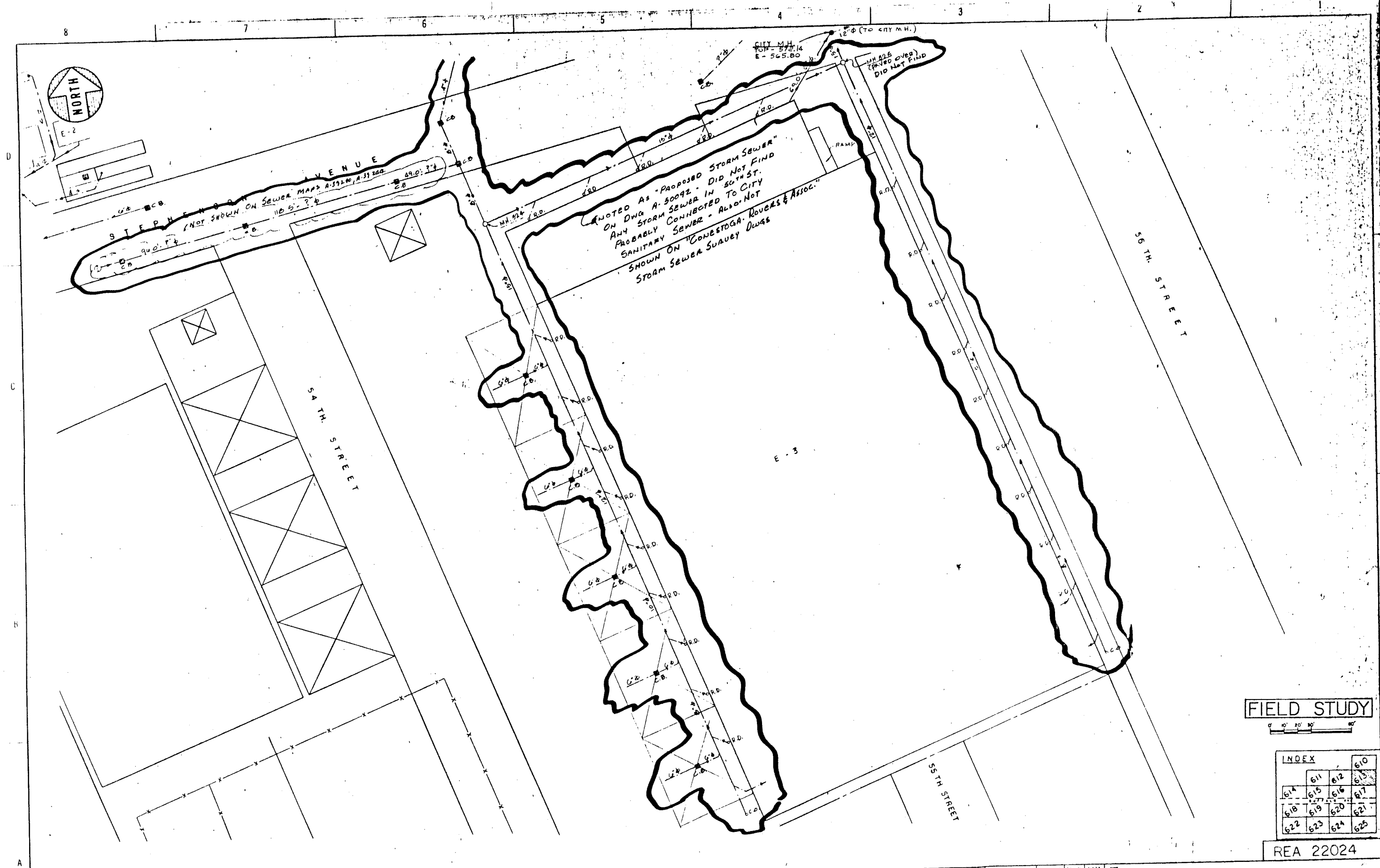
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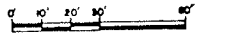
APR 5 1983

APPROVAL	DATE	
SEWER AND CIVIL		
MECHANICAL		
ELECT AND INST		
PROJECT		<b>SANITARY SEWERS</b> <b>C'D'E AREAS (PROBLEMS AS OF 9-1-82)</b>
SCALE 1" = 30'	BLDG NO	
DRWN BY	DATE	<b>DWG. A-56612</b>
CHECKED BY	DATE	

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**FIELD STUDY**



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APR 5 1983

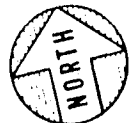
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ELECT AND INST			
PROCESS			
PROJECT			
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CHECKED BY			DATE

**hooker**  
 SANITARY SEWERS-NORTH OF BUFFALO AVE.  
 E-AREA (PROBLEMS AS OF 9-1-82)  
 SCALE 1"=30' BLDG NO. - DWG.A-56613

NO.	REVISIONS	DATE	APP.	CHKD.	DRWN.

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N. Y. C. R. R.

MH122A  
TOP - 571.80'  
E -

SLUDGE OVER  
TOP OF PIPE  
NEEDS CLEANED  
OUT

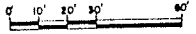
WATER OVER TOP OF PIPES  
(COULD NOT GET INTO AT BRASS)  
EITHER LINE BETWEEN MH106 & MH108  
IS PARTIALLY BLOCKED OR  
IS BACKED UP BECAUSE F-20  
OR LINE BETWEEN MH106 & 108  
BEING BLOCKED

CHANNEL FULL  
OF SLUDGE  
IMPEDING FLOW  
NEEDS TO BE  
CLEANED OUT

LINE BLOCKED BETWEEN MH143  
& MH144 BACKING UP TO MH143  
REMOVE BLOCKAGE AND CLEAN  
LINES & MH'S (WATER OVER  
PIPES - COULD NOT  
SEE TODAY INVERT ELEV.)

INTERMITTANT STORM SEWER  
OVERFLOW TO SANITARY SEWER  
NOTICED DURING DRY WEATHER  
RAISE WEIR OR RESET STORM  
SEWER PUMPS - ON LEVEL

### FIELD STUDY



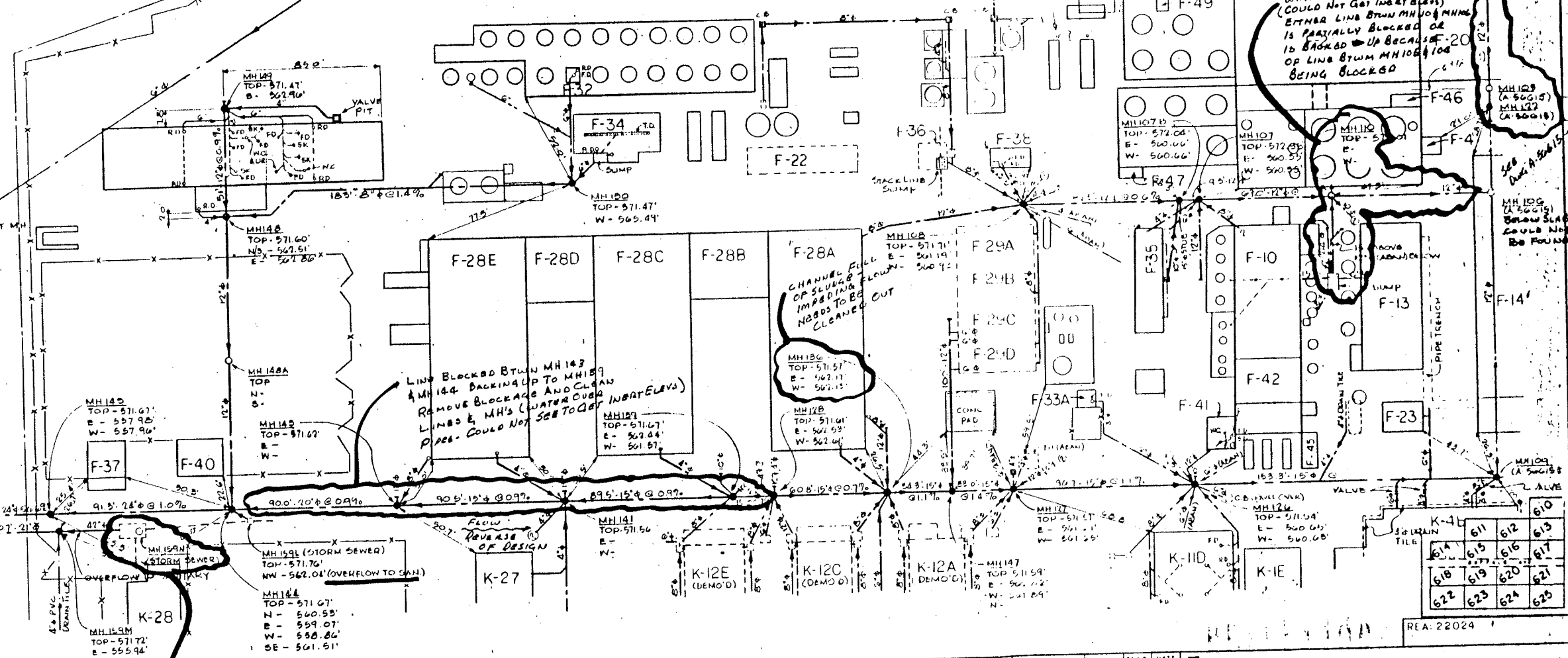
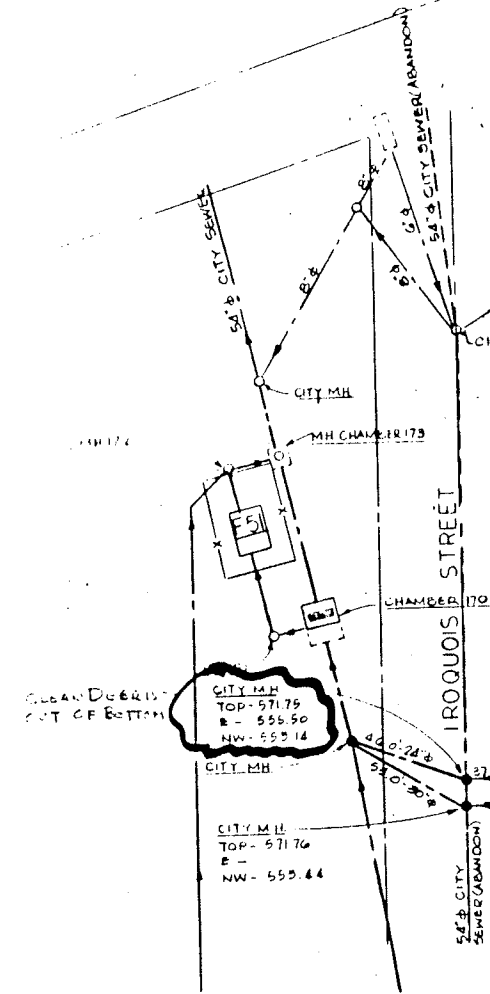
REA 22024

APR 5 1983

**hooker**  
SANITARY SEWERS  
AF & K AREAS (PROBLEMS AS OF 9-1-82)

SCALE 1" = 30' BLDG NO. DWG. A-56614

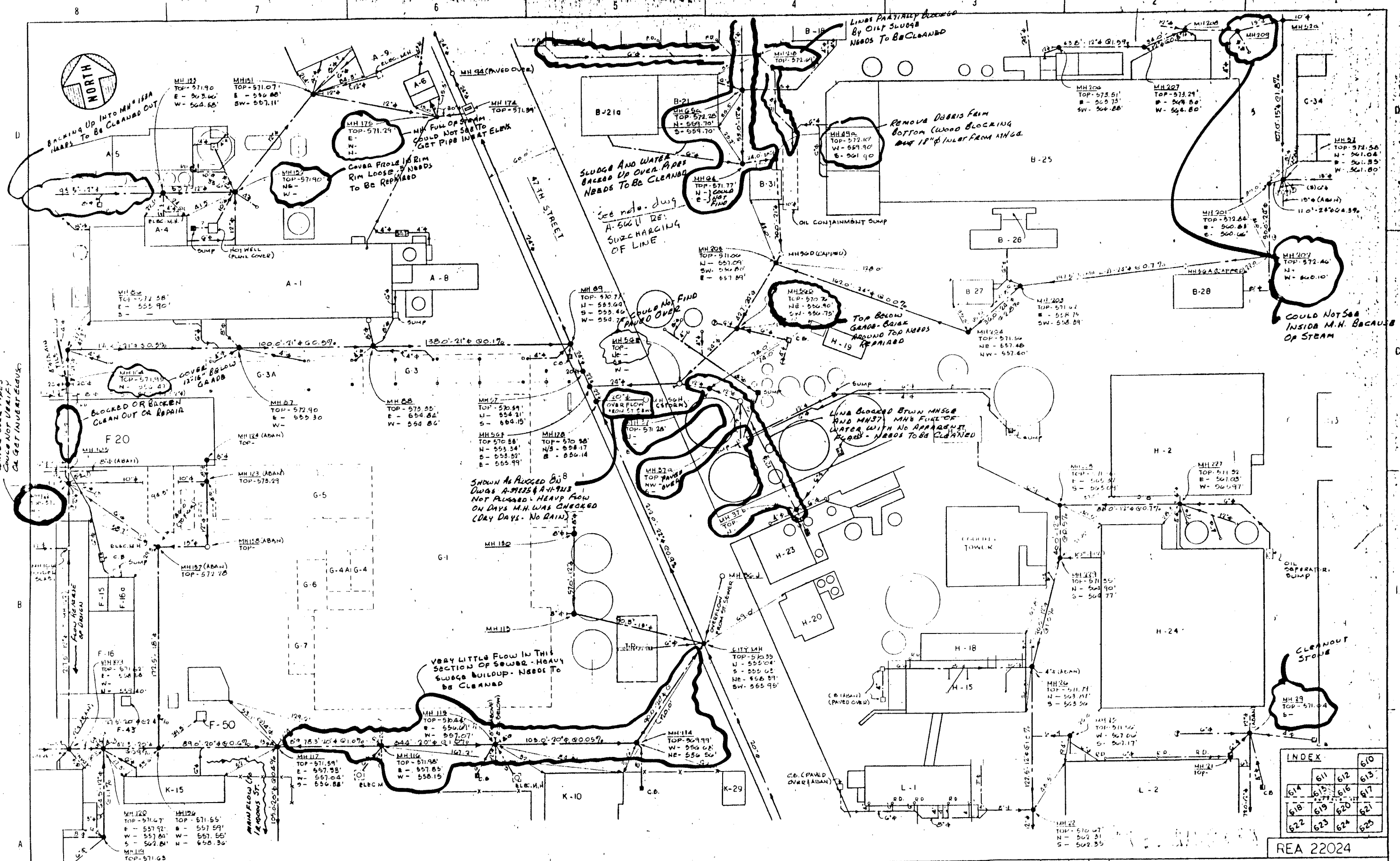
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PROJECT	
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CHECKED BY	DATE



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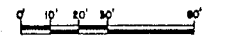
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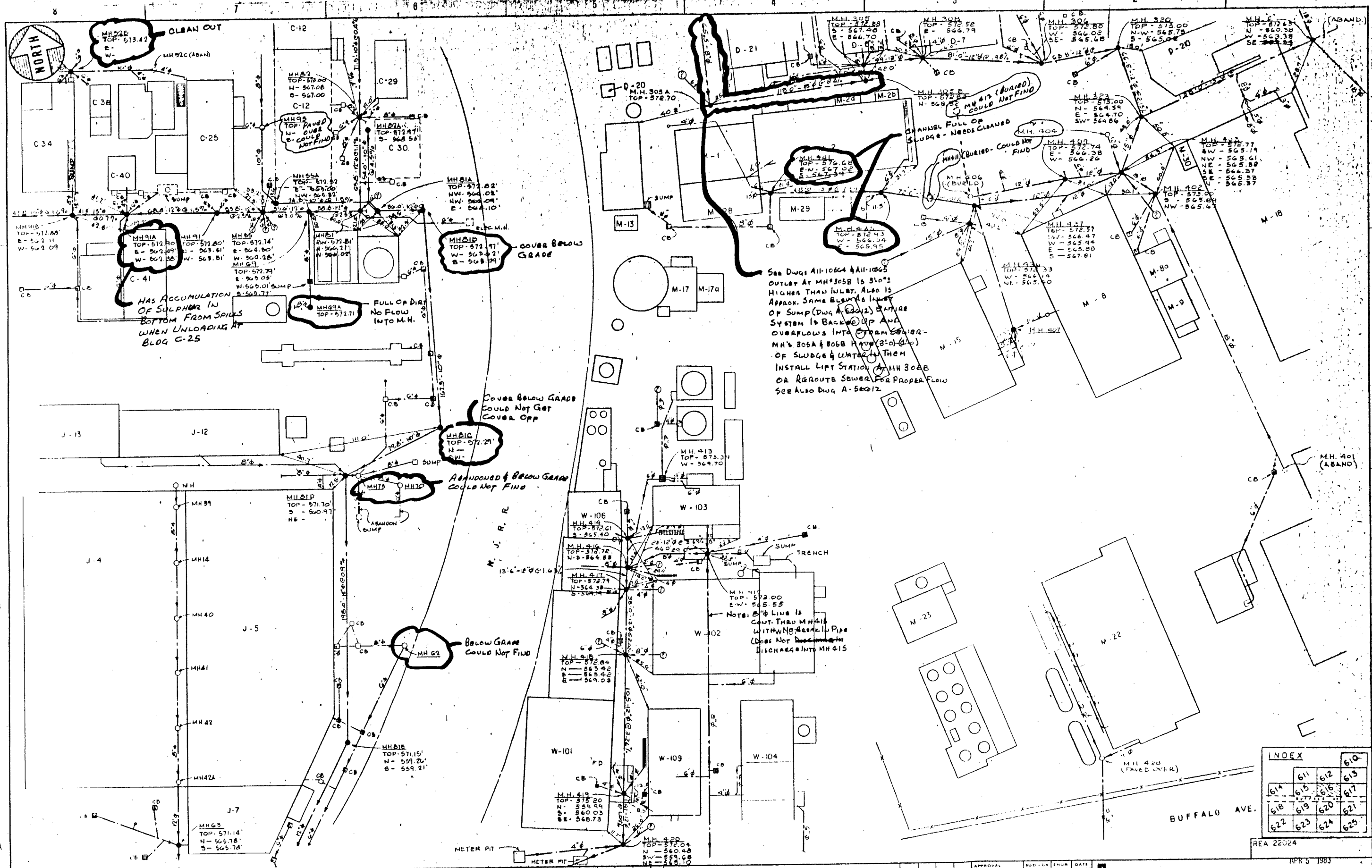
**FIELD STUDY**



APPROVAL	SGD	LDN	ENGR	DATE

hooker  
 SANITARY SEWERS  
 A, B, F, G, H & K AREAS (PROBLEMS AS OF 9-1-82)  
 SCALE: 1"=30'  
 DWG. A-56615

APR 5 1983



CLEAN OUT

HAS ACCUMULATION OF SULPHUR IN BOTTOM FROM SPILLS WHEN UNLOADING AT BLDG C-25

COVER BELOW GRADE

COVER BELOW GRADE COULD NOT GET COVER OFF

ABANDONED & BELOW GRADE COULD NOT FIND

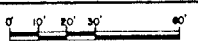
BELOW GRADE COULD NOT FIND

See DWG A-11064 & A-11065  
 OUTLET AT MH 305B IS 310" HIGHER THAN INLET. ALSO IS APPROX. SAME LEVEL AS INLET OF SUMP (DWG A-5602) ENTIRE SYSTEM IS BACKED UP AND OVERFLOWS INTO STORM SEWER - MH'S 305A & 305B HAVE (3'-0") OF SLUDGE & WATER IN THEM. INSTALL LIFT STATION AT MH 305B OR REROUTE SEWER FOR PROPER FLOW. SEE ALSO DWG A-56012.

CHANNEL FULL OF SLUDGE - NEEDS CLEANED

(BURIED) COULD NOT FIND

FIELD STUDY

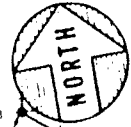
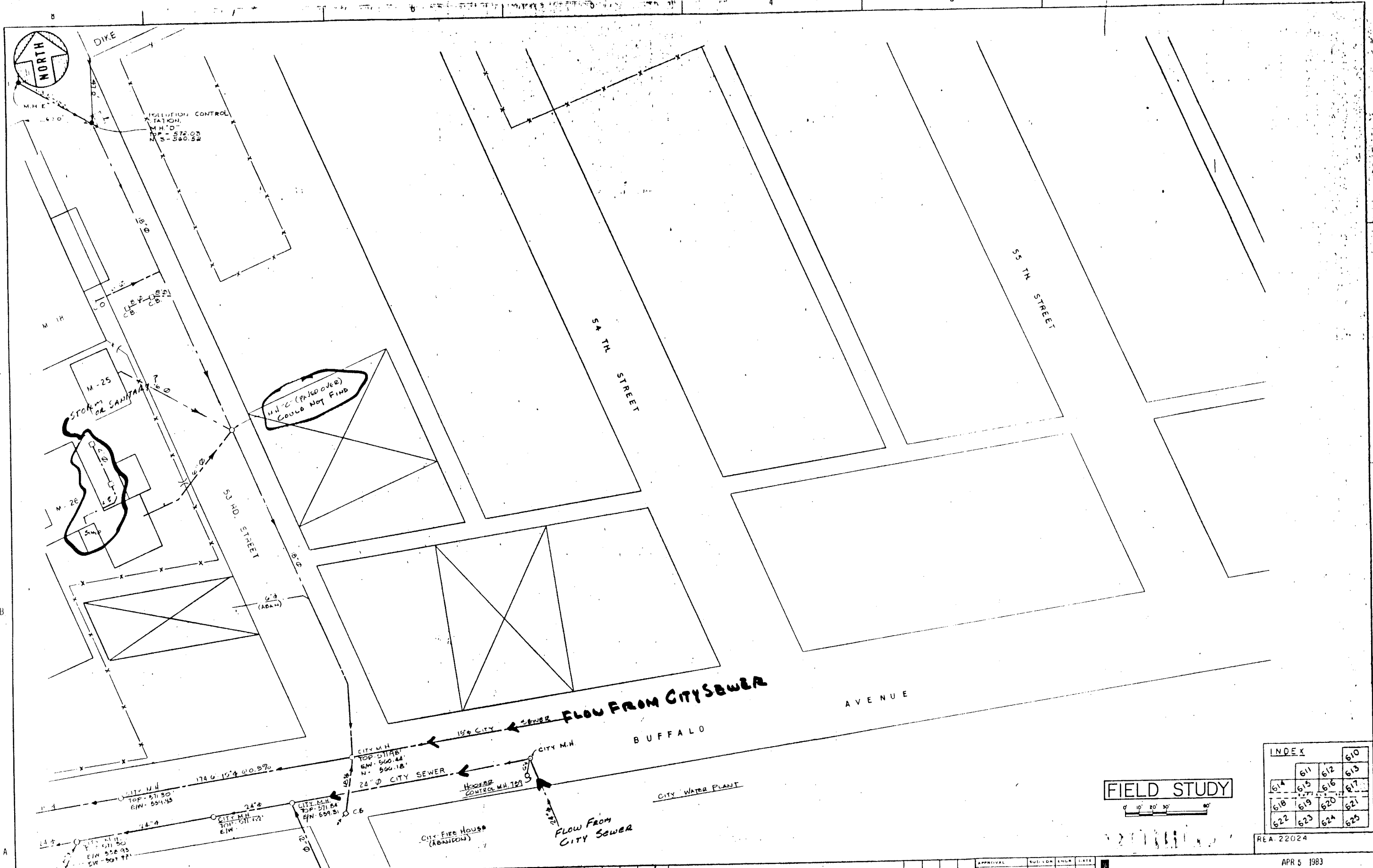


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**hooker**  
 SANITARY SEWERS  
 C.D.J.M & W AREAS (PROBLEMS AS OF 9-1-82)  
 SCALE 1" = 30' BLDG NO. DWG. A-56616



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**FIELD STUDY**

1" = 30'

REA 22024

APR 5 1983

**hooker**

**SANITARY SEWERS**  
 "M" AREA (PROBLEMS AS OF 9-1-82)

SCALE: 1" = 30'

BLDG NO. \_\_\_\_\_ DWG. A-56617

NO.	DATE	BY	CHKD.	APP.	DATE	NO.	DATE	BY	CHKD.	APP.	DATE	NO.

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12" FROM ALOX CHEM.

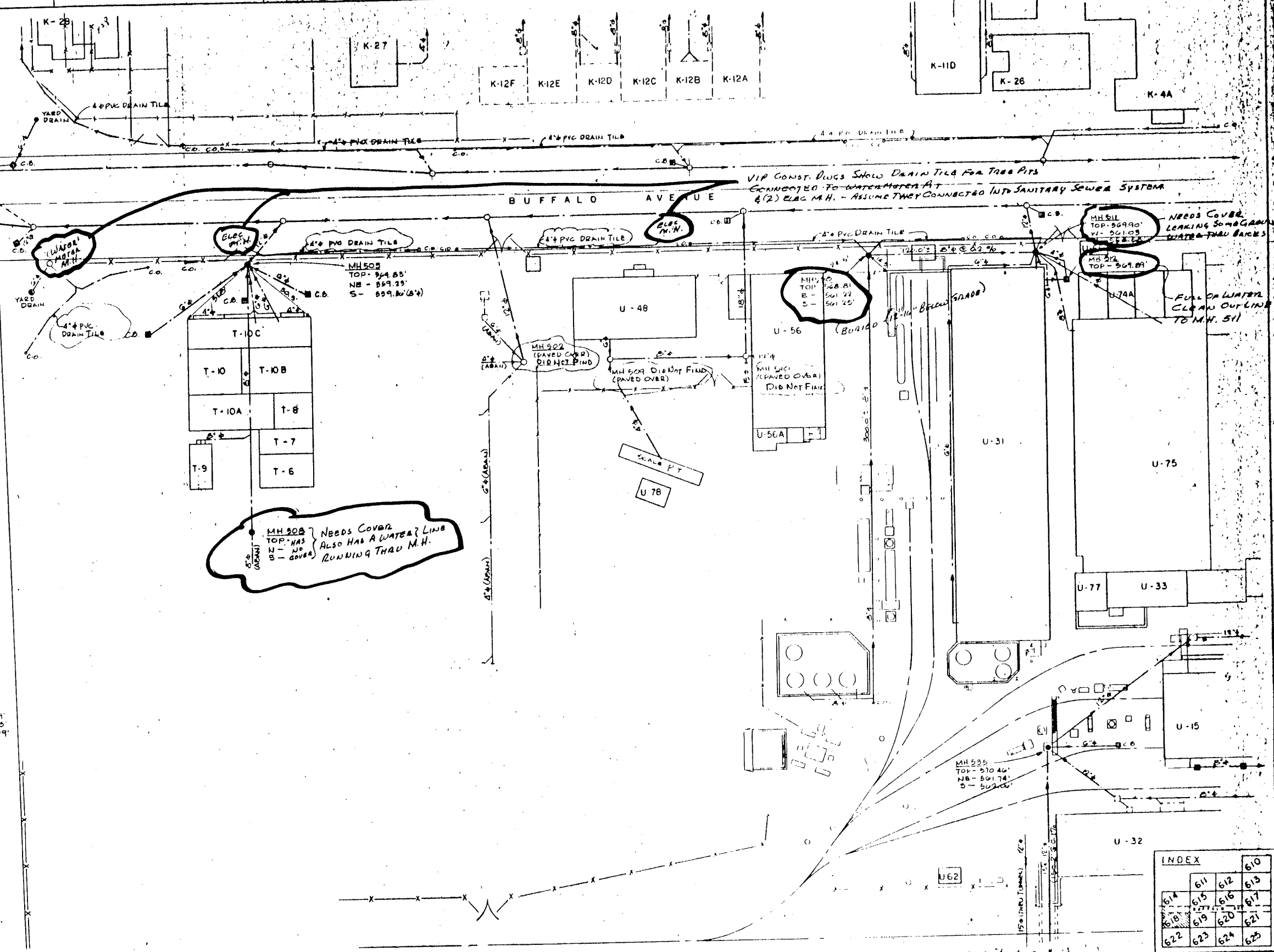
5" CITY SEWER (ABANDONED)

12" FROM ALOX CHEM.

12" FROM ALOX CHEM.

12" FROM ALOX CHEM.

12" FROM ALOX CHEM.



MH 507  
TOP - 559.11  
1 - 559.02  
0 - 557.18

MH 506  
TOP - 568.29  
1 - 558.95  
0 - 559.09

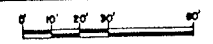
MH 505  
TOP - 564.85  
NE - 559.25  
S - 559.80 (6")

MH 504  
TOP - 568.81  
E - 561.22  
S - 561.25

MH 511  
TOP - 569.90  
W - 561.05  
S - 561.15

MH 512  
TOP - 569.89

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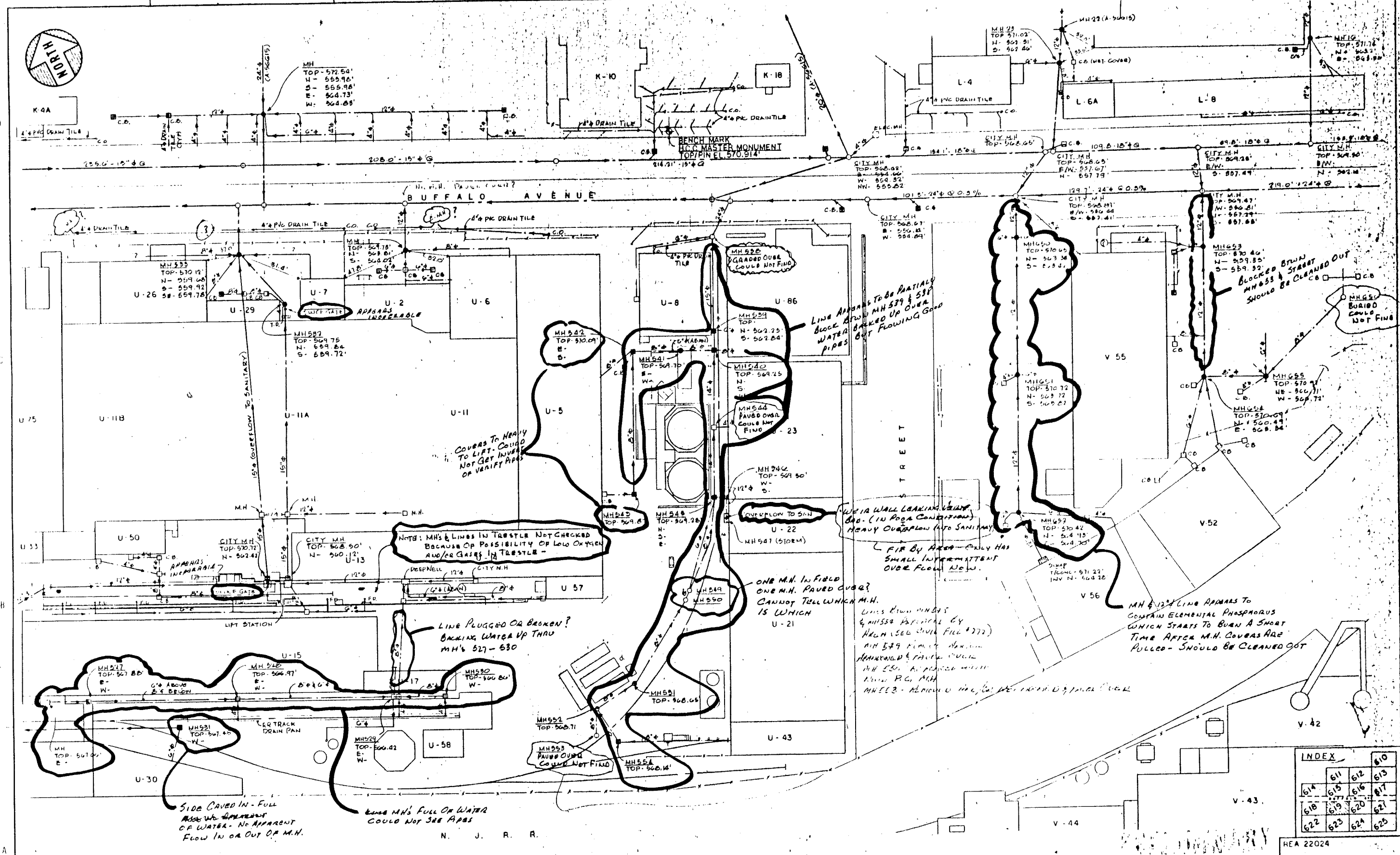
APPROVAL	DATE	DATE	DATE
BY	BY	BY	BY
DATE	DATE	DATE	DATE
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**hooker** APR 5 1983

SANITARY SEWERS  
K, T & U AREAS (PROBLEMS AS OF 9-1-82)

SCALE 1" = 30' BLDG NO. DWG. A-56618

OCC B-1



NOTE: MHS & LINES IN TRESTLE NOT CHECKED BECAUSE OF POSSIBILITY OF LOW OXYGEN AND/OR GAS IN TRESTLE -

LINE PLUGGED OR BROKEN? BACKING WATER UP THRU MH'S 527-530

SIDE CAVED IN - FULL AND NO SIGNIFICANT FLOW IN OR OUT OF M.H.

Some MHS FULL OF WATER COULD NOT SEE APPS

COVERS TO HEAVY TO LIFT - COULD NOT GET INVERTS OF VERIFY PIPES

ONE M.H. IN FIELD ONE M.H. PAVED OVER? CANNOT TELL WHICH M.H. IS WHICH

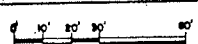
WET WALL LEAKING WATER AND (IN POOR CONDITION) HEAVY OVERFLOW INTO SANITARY. FIR BY AREA - ONLY HAS SMALL INTERMITTENT OVER FLOW NOW.

LINE APPEARS TO BE PARTIALLY BLOCKED BY MH 539 & 538 WATER BACKED UP OVER PIPES BUT FLOWING GOOD

MH 513 LINE APPEARS TO CONTAIN ELEMENTAL PHOSPHORUS WHICH STARTS TO BURN A SHORT TIME AFTER M.H. COVERS ARE PULLED - SHOULD BE CLEANED OUT

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### FIELD STUDY



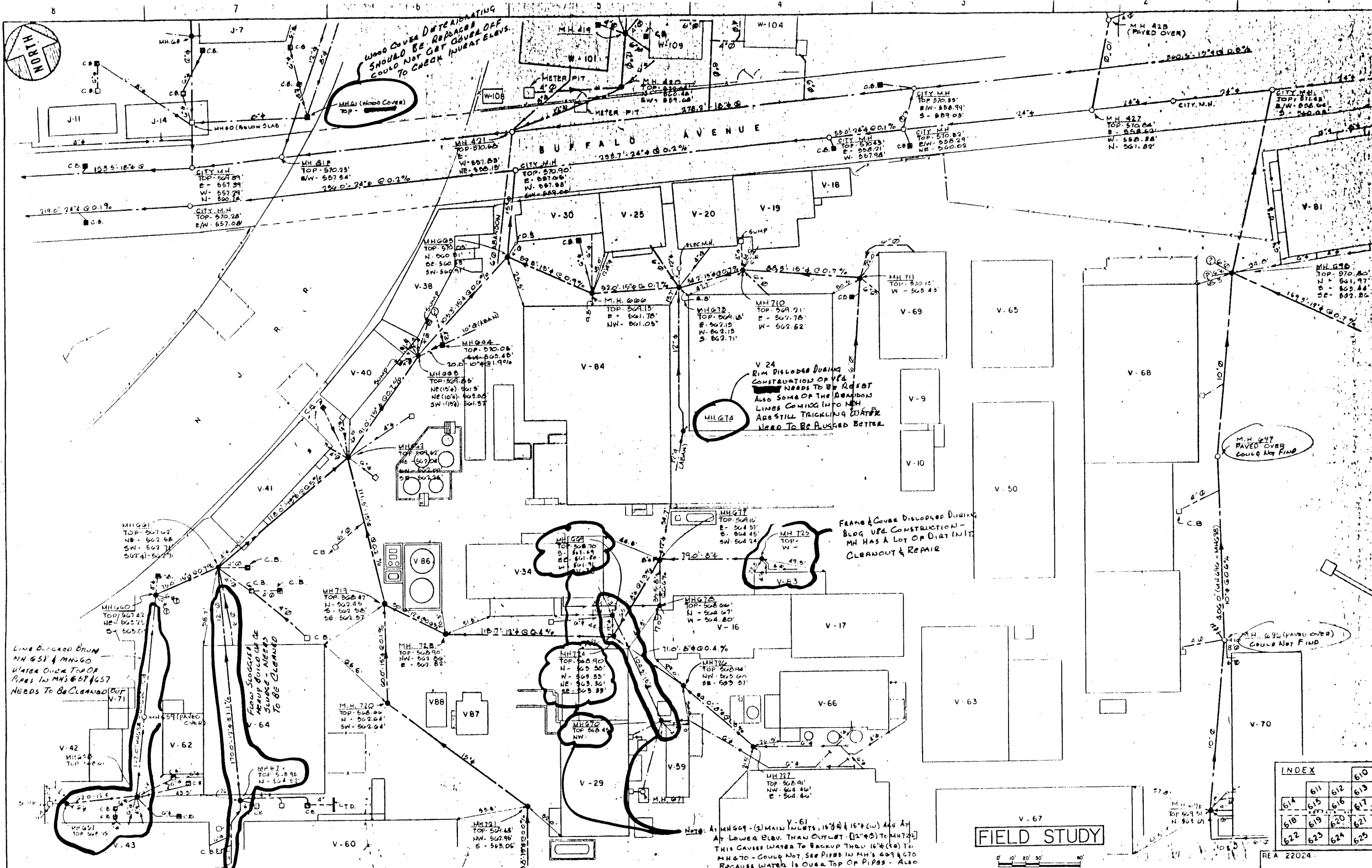
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M.E. AND INST.	
PROJECT	
DRAWN BY	DATE
DESIGN CAL BY	DATE
CHECKED BY	DATE

**hooker** APR 5 1983

SANITARY SEWERS  
L, K, U & V AREAS (PROBLEMS AS OF 9-1-82)

SCALE: 1" = 30' BLDG NO. DWG. A-56619

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WOOD COVER DETERIORATING  
SHOULD BE REPLACED  
SHOULD NOT GET COVER OFF  
TO CHECK INVERT ELEV.

V-24 RIM DISCLOSED DURING CONSTRUCTION OF V-41. NEEDS TO BE RESET ALSO SOME OF THE ABANDON LINES COMING INTO MH ARE STILL TRICKLING WATER NEED TO BE PUSHED BETTER

FRAMES & COVERS DISCLOSED DURING BLDG. UPD. CONSTRUCTION - MH HAS A LOT OF DIRT IN IT. CLEANOUT & REPAIR

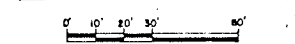
LINE BECAME BRUN WATER OVER TOP OF PIPES IN MHS 657 & 657 NEEDS TO BE CLEANED OUT

FLOW STOPPING AT HEAD BOULD ON DE SLUDGE - NEEDS TO BE CLEANED

NOTE: AT MH 609 - (2) MAIN TRUNKS, 15" @ 15" (W) ARE AT LOWER ELEV. THAN OUTLET (12" @ 5") TO MH 724. THIS CAUSES WATER TO BACKUP THRU 15" @ 15" TO MH 670 - COULD NOT SEE PIPES IN MH'S 609 & 670 BECAUSE WATER IS OVER TOP OF PIPES - ALSO THERE WAS A LOT OF STEAM IN MH 670. NO PROBLEM NOW BECAUSE MH 724 & 12" LINE BTL. AS MH 609 & MH 724 ARE NOW (SEE DWG. A-11-147) & MH (11-147)) BUT IT WILL EVENTUALLY BACK SYSTEM UP WITH SLUDGE. INSTALL LIFT STATION OR RECONSTRUCT SEWERS TO FLOW PROPERLY

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FIELD STUDY



REA 22024

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REVISIONS		NO.	DATE	NO.
REVISIONS		NO.	DATE	NO.

**hooker** APR 5 1983

SANITARY SEWERS - V-AREA (PROBLEMS AS OF 9-1-82)

SCALE 1" = 30'

BLDG. NO. DWG. A-56620

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MJ 714  
TOP 571.76  
NE 565.48

V 61

M.H. 213  
TOP 570.98  
S- 803.0

M.H. 993  
TOP  
NE 565.47  
NW 563.60

Rim Knock Over  
NEEDS TO BE RESET.

V 80

CITY M.H.  
TOP 572.25  
NW 560.18

SS RD.

STREET

CITY WATER WORKS  
FILTRATION PLANT

CITY M.H.  
TOP 574.01  
NW 560.91

CITY M.H.  
TOP 571.77  
N- 561.18  
W- 564.07  
S- 562.81

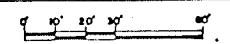
ELEC. M.H. (DIRT)

M.H. 229  
TOP 571.26  
E- 565.95

FLOW FROM  
CITY WATER WORKS  
PUMP STATION

ADAMS AVENUE

FIELD STUDY



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REA 22024

**hooker** APR 5 1983

SANITARY SEWERS  
V-AREA (PROBLEMS AS OF 9-1-82)

SCALE 1" = 30' BLDG. NO. DWG. A-56621

APPROVAL	BY	DATE
SYR AND CIVIL		
MECHANICAL		
ELECT. AND INST.		
PROCESS		
PROJECT		

REVISIONS	BY	CHKD	APP	DATE	NO

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190 QUONS ST.  
MH 506  
TOP - 566.14  
E - 561.11  
N - 561.30

MH 504  
TOP - 566.84  
E - 564.31  
N - 564.71

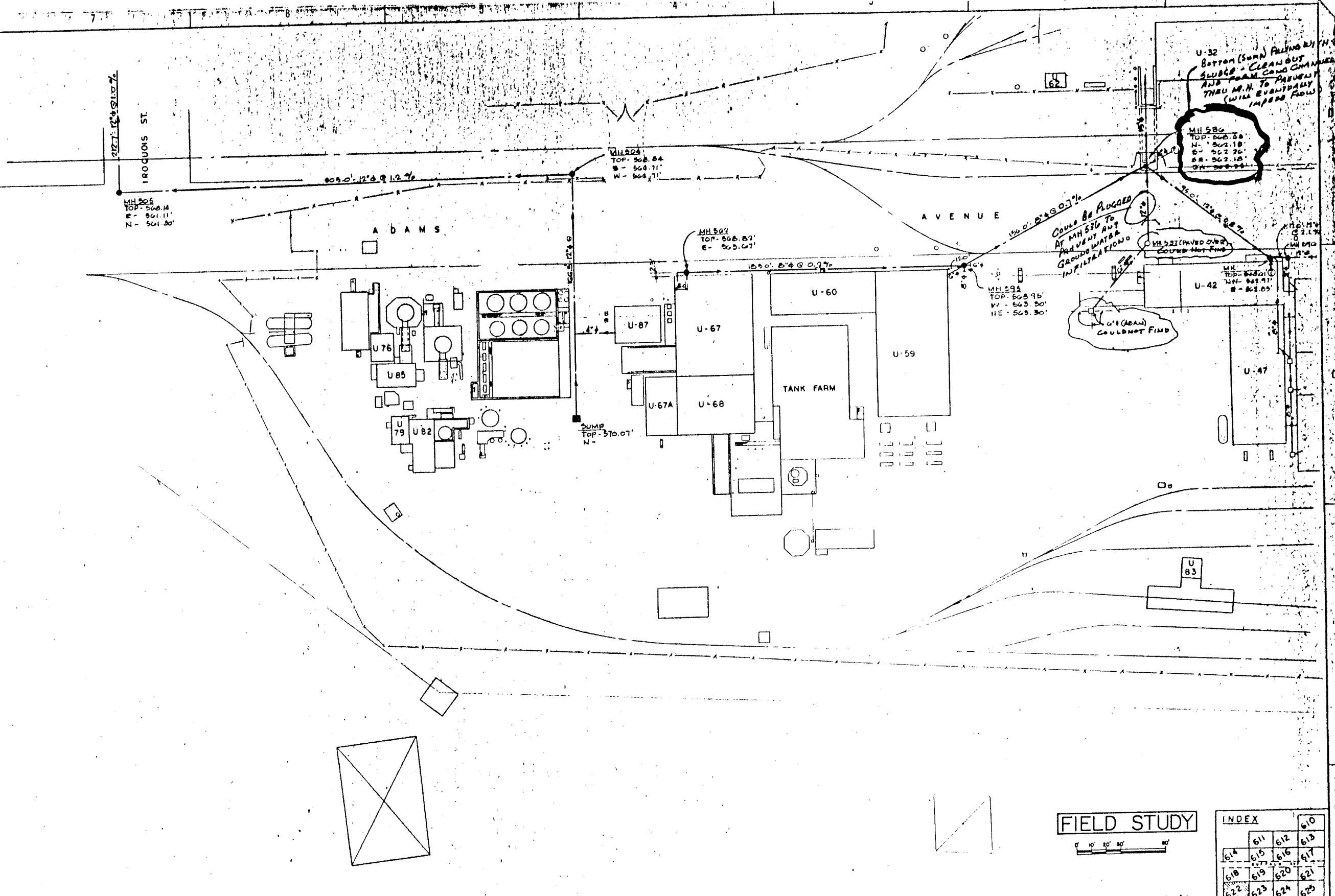
MH 586  
TOP - 566.88  
N - 562.18  
E - 562.26  
W - 562.18  
S - 566.88

MH 562  
TOP - 566.87  
E - 565.67

MH 594  
TOP - 568.95  
W - 568.50  
NE - 568.30

MH 591  
TOP - 568.01  
N - 568.41  
E - 568.05

PUMP  
TOP - 370.01  
N -



FIELD STUDY



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PRELIMINARY

REA 22024

APR 5 1983

**hooker**  
 SANITARY SEWERS  
 U AREA (PROBLEMS AS OF 9-1-82)  
 SCALE 1" = 30' BLDG NO. DWG. A-56622

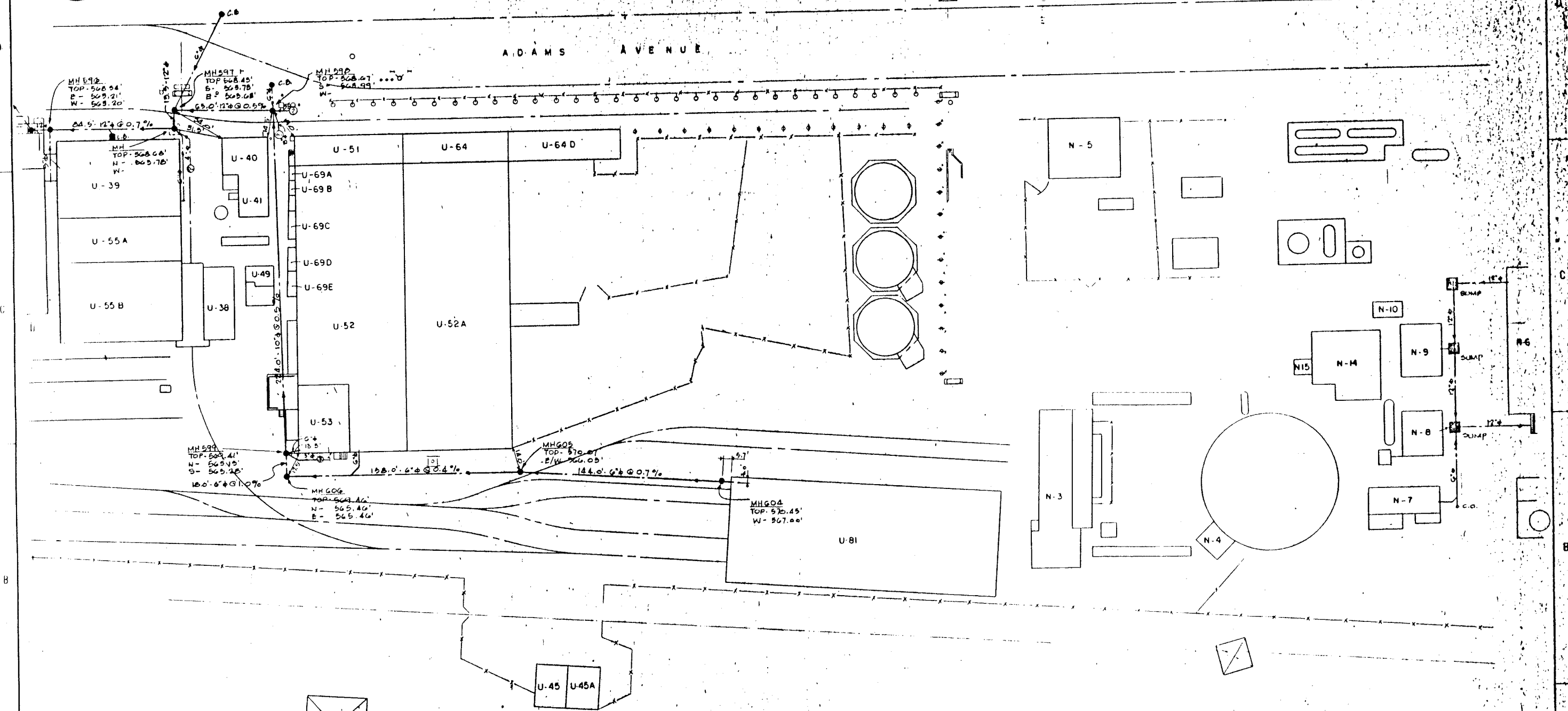
APPROVAL	YOU	FOR	ENGR	DATE
STR AND CIVIL				
MECHANICAL				
ELECT AND INSTR				
PROCESS				
PROJECT				
DRWN BY				DATE
DSGN CAL				DATE
CHECKED BY				DATE

NO.	REVISIONS	DRWN	CHKD	APP.	DATE	NO.	REVISIONS	DRWN	CHKD	APP.	DATE	NO.

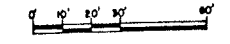
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ADAMS AVENUE



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SANITARY SEWERS  
N & U AREAS (PROBLEMS AS OF 9-1-82)

SCALE 1" = 30' BLDG. NO. DWG. A- 56623

REVISIONS	NO.	DATE	BY	CHKD.	APP.	DATE	NO.	REVISIONS	NO.	DATE	BY	CHKD.	APP.	DATE	NO.	REVISIONS	NO.	DATE	BY	CHKD.	APP.	DATE	NO.

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OCC B-1



V - 43

V - 60

V - 61

V - 67

A D A M S

MH 723  
TOP: 509.09'  
N: 509.09'  
S: 509.89'

PRECAST CONC. M.H. JOINTS  
LEAKING GROUND WATER (BAD)

MH 708  
TOP: 509.15'  
N: 509.09'  
S: 509.70'

BOTTOM OF M.H. 1'-0"± BELOW BOTTOM  
OF PIPES - SHOULD HAVE CONC. CHANNEL  
TO PREVENT SLUDGE FROM BUILDING UP  
IN M.H.

MH 754  
TOP: 508.66'  
S: 501.93'

N-17

N-20

MH 707  
TOP: 509.09'  
N: 500.28'  
W: 500.24'

N-18

DRUM STOR. PAD

MH 765  
TOP: 508.56'  
E: 500.06'  
W: 500.01'  
S: 500.15'± 81'

MH 722  
TOP: 508.81'  
N/E: 509.40' (1.25'±)  
W: 507.99'

N-21

MH 752  
TOP: 508.11'  
N: 501.14'  
E: 501.10'

MH 753  
TOP: 508.20'  
E: 500.90'  
W: 509.92'  
N: 500.04'

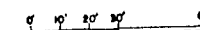
MH 704  
TOP: 508.39'  
E: 500.25'  
W: 500.14'

NOTE: M.H.'s 752, 753 & 704-706 ARE  
PRECAST CONC. AND GROUND  
WATER IS LEAKING THRU JOINTS  
VERY BADLY -

STORM SEWER BLOCKED  
AND OVER FLOWING ONTO  
P.A. S.N.Y. R.O.W.

P. A. S. N. Y.

FIELD STUDY



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SANITARY SEWERS  
N-AREA (PROBLEMS AS OF 9-1-82)

SCALE 1" = 30'

BLDG. NO. -

DWG. A-56624

APPROVAL	SOULDR	ENGR	DATE
BYR AND CIVIL			
MECHANICAL			
ELECT AND INST			
PROCESS			
PROJECT			
DRAWN BY			DATE
DRON CAL			DATE
CHECKED BY			DATE

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JUL 15 1985

N.Y.S.D.E.C.