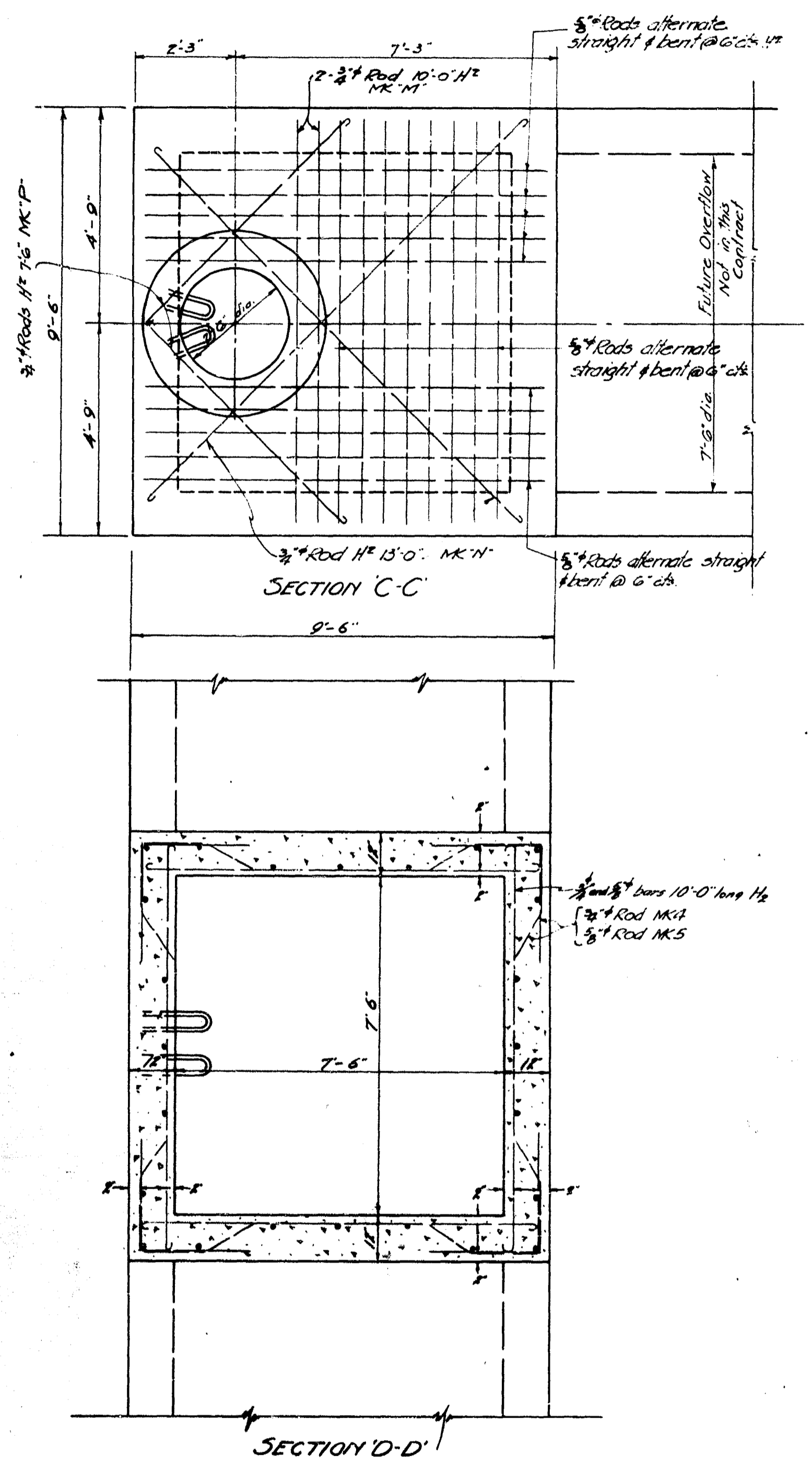
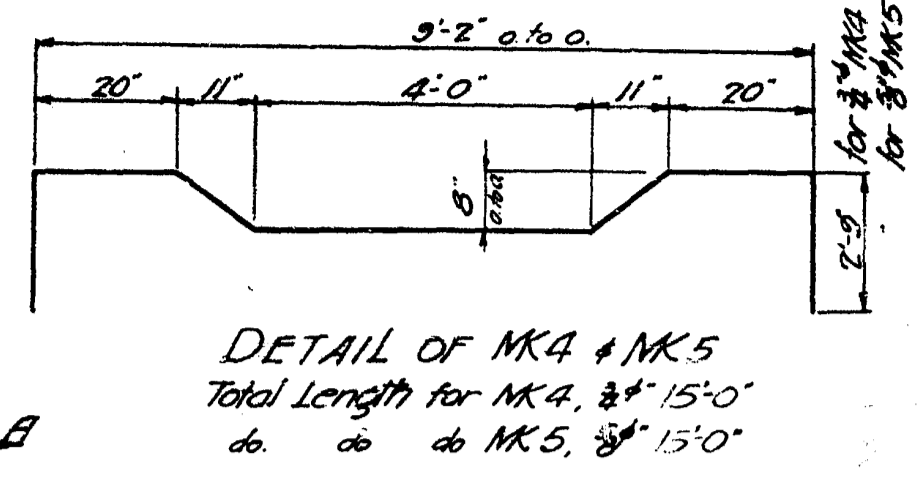
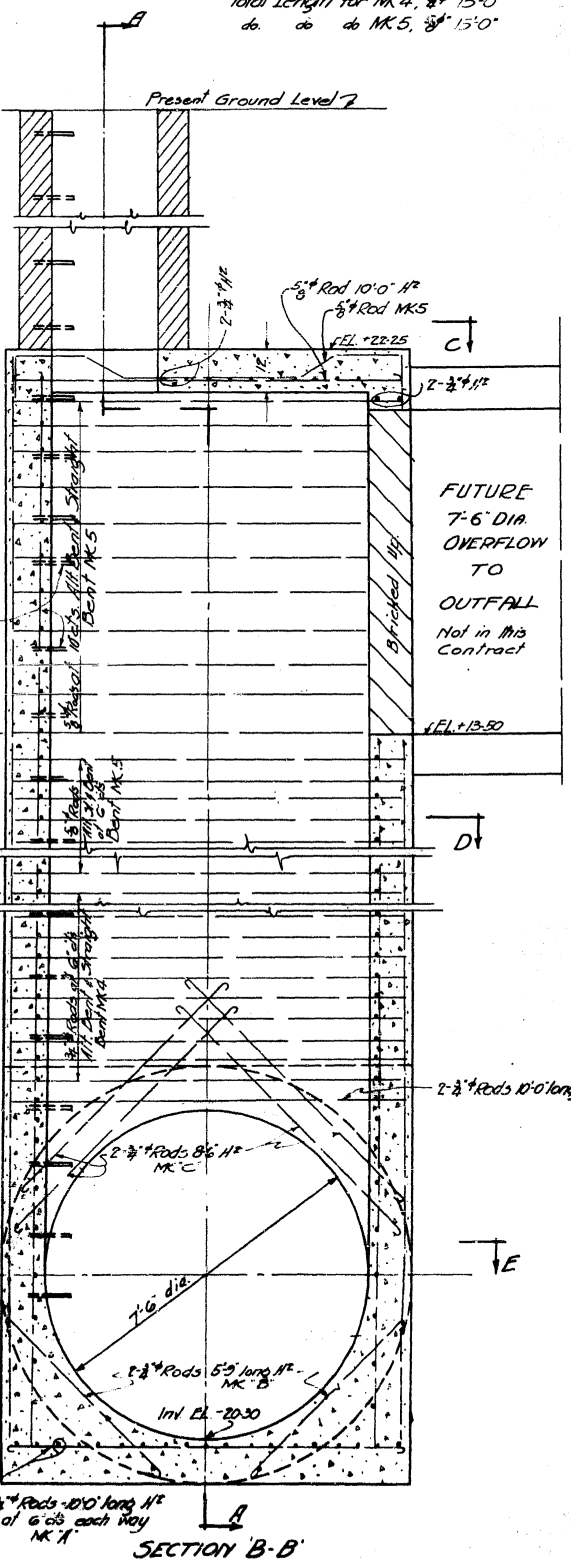
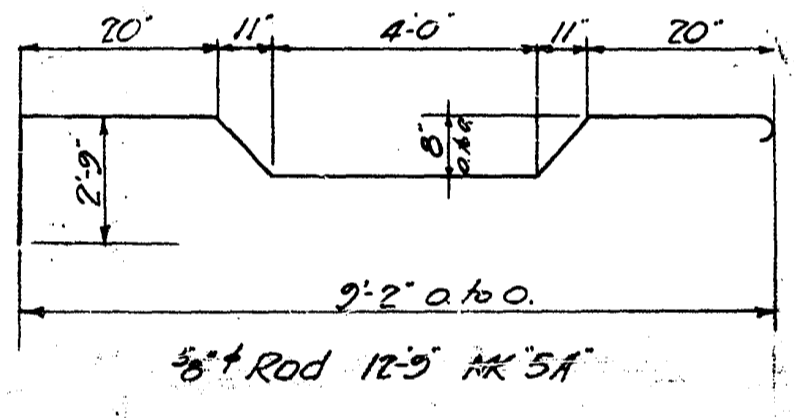
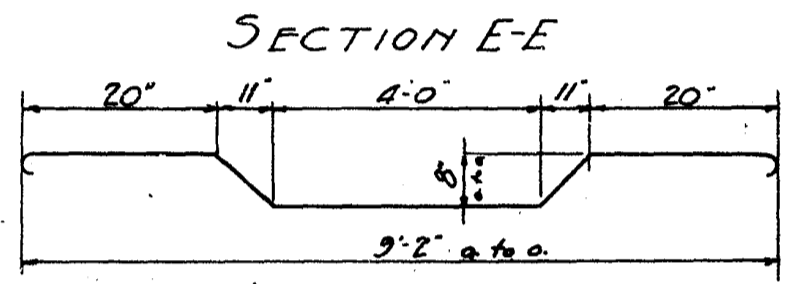
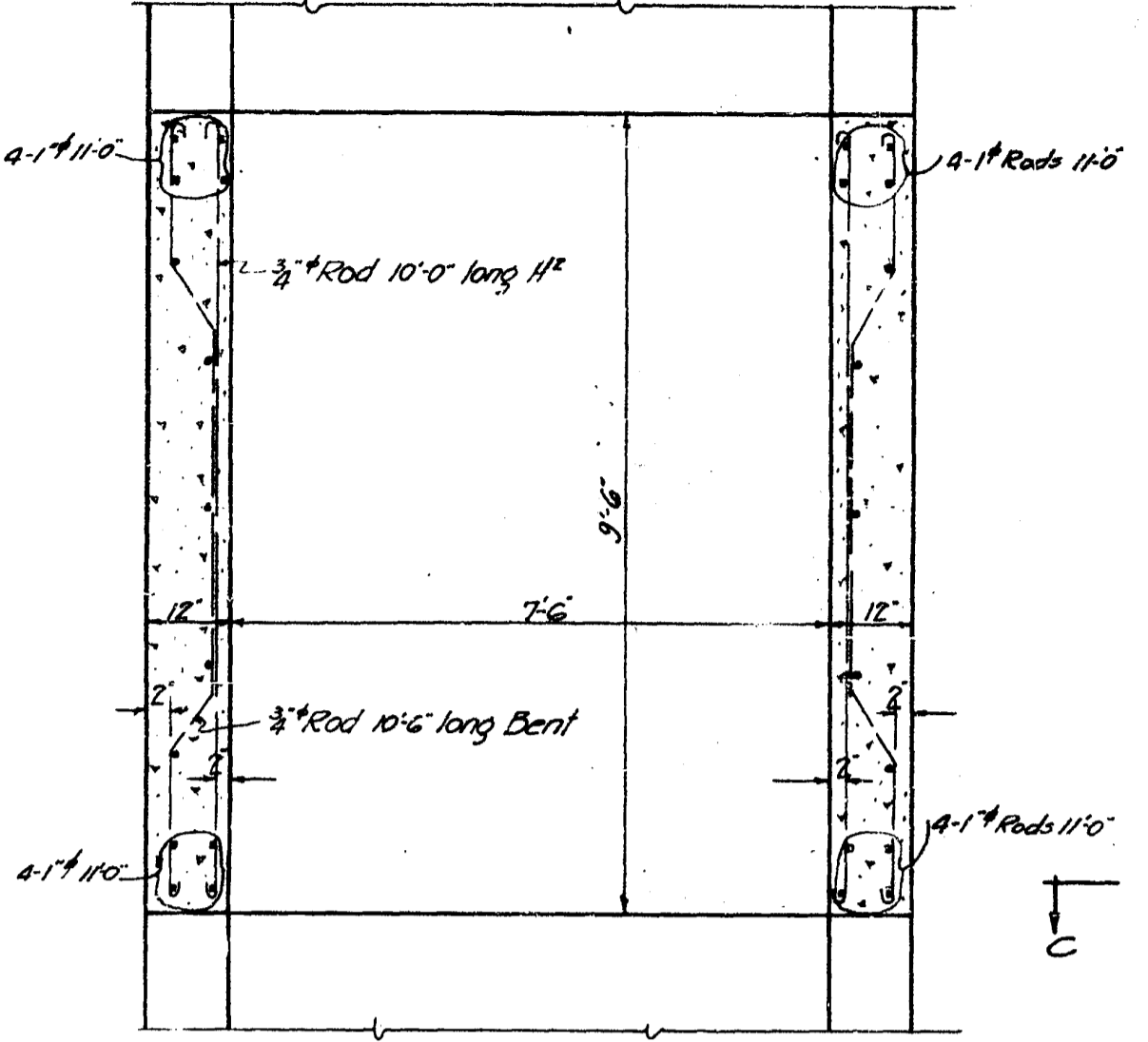
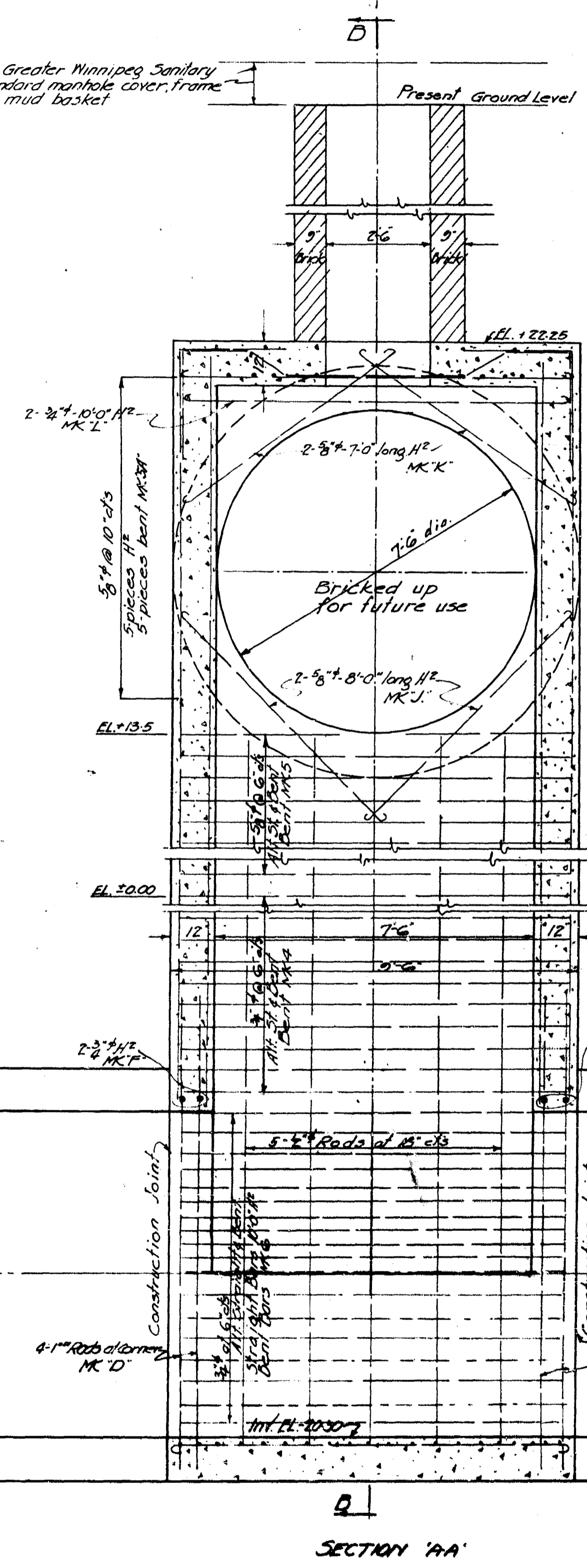


Greater Winnipeg Sanitary District Standard manhole cover, frame and mud basket



GREATER MINNEPEG SANITARY DISTRICT
 MAIN INTERCEPTOR
 SPECIAL MANHOLE CONSTRUCTION
 CHAMBER: 4' x 4' x 4'
 123
 4

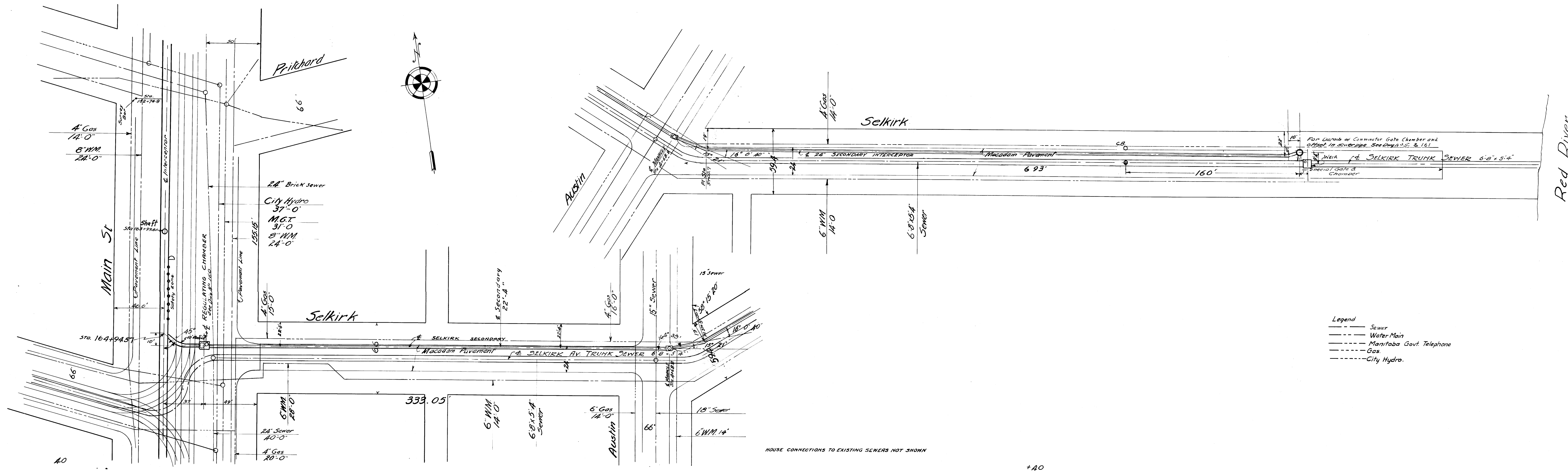
APPROVED

47

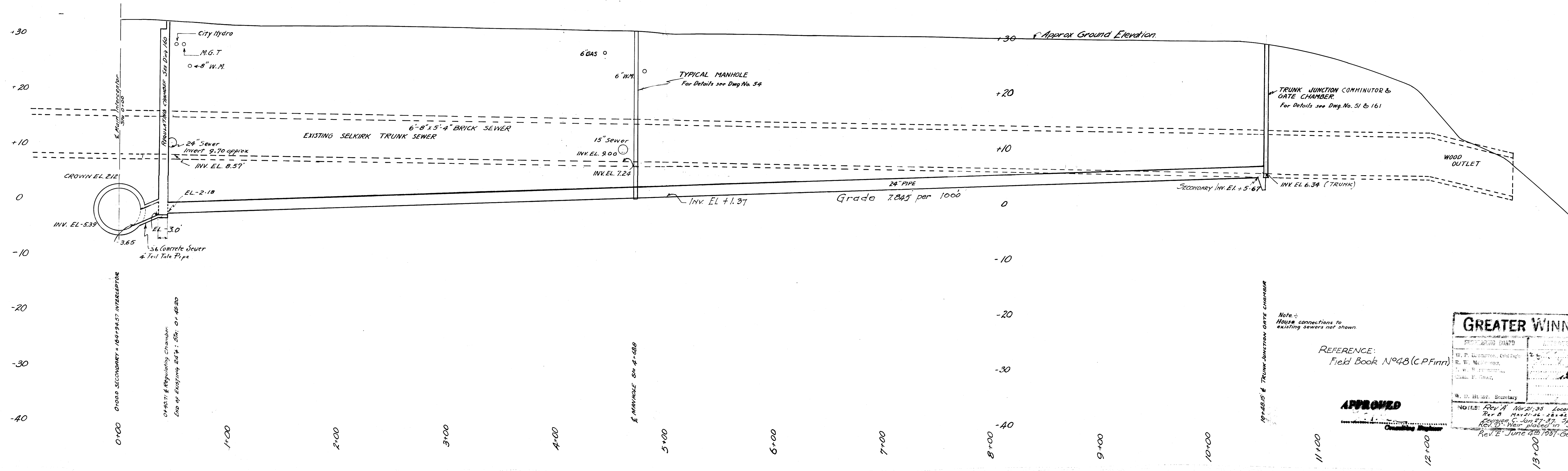
Sheet
JIN.10013

REF. or DRAWING No.

DETAILS



- Legend
- Sewer
 - Water Main
 - Manitoba Govt. Telephone
 - Gas
 - City Hydro.



Note:
House connections to existing sewers not shown

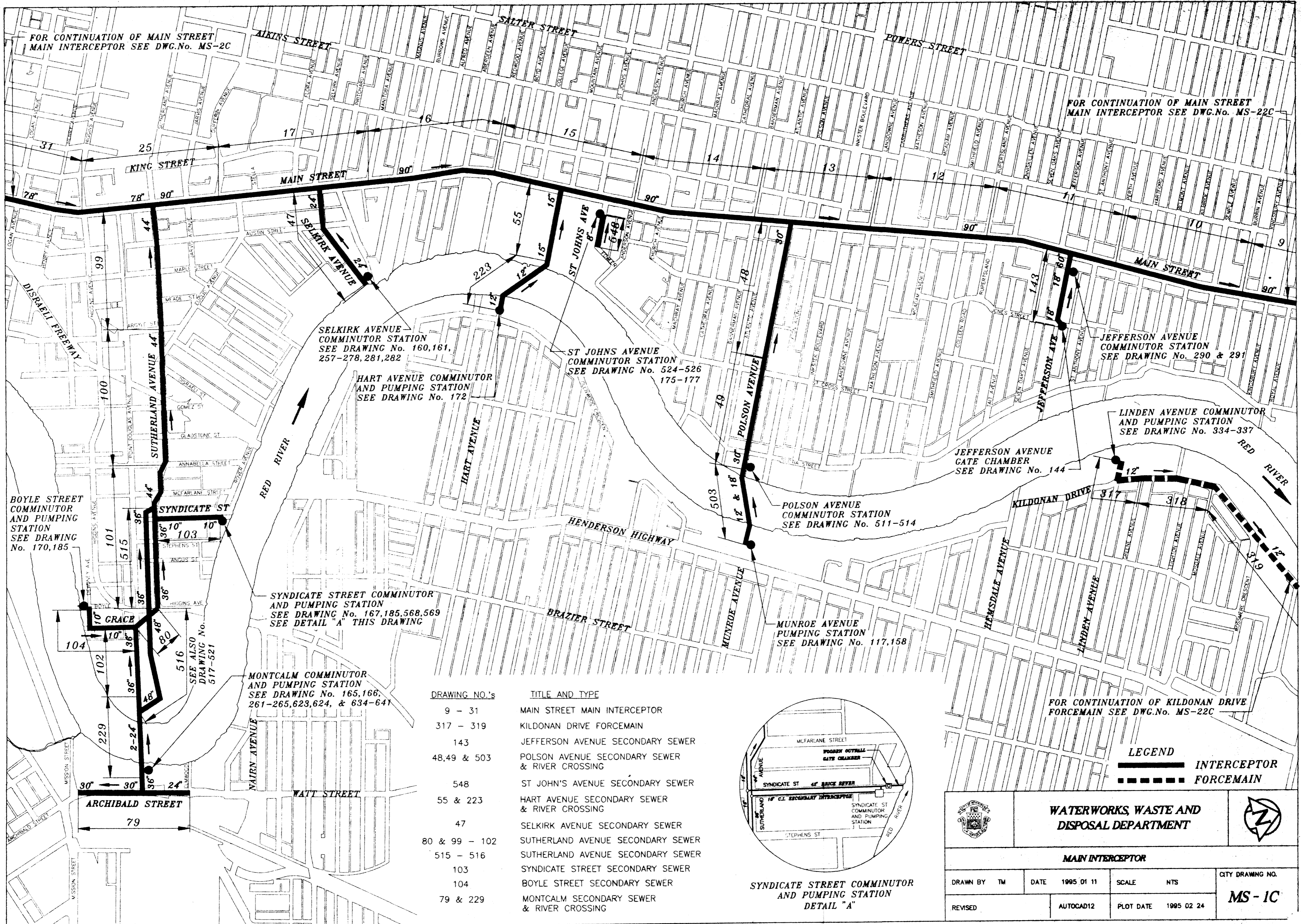
REFERENCE:
Field Book No 48 (C.P.Finn)

APPROVED

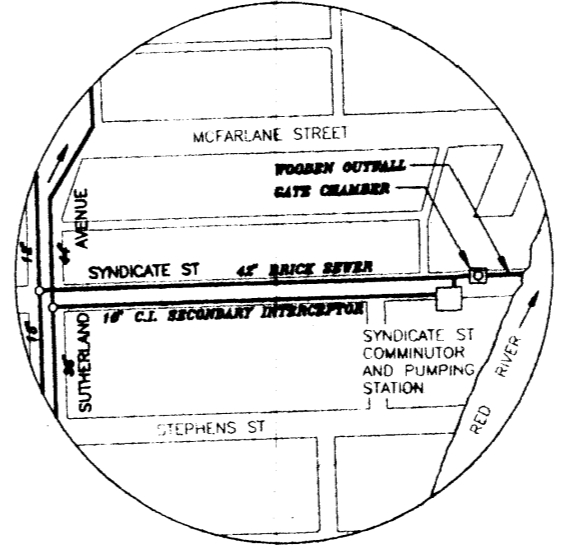
GREATER WINNIPEG SANITARY DISTRICT			
PROPOSING ENGINEER	DATE	TITLE	
W. D. McLEOD, CHIEF ENGINEER	1935	PLAN AND PROFILE OF SELKIRK SECONDARY INTERCEPTOR	
R. W. McLEOD, CHIEF ENGINEER		From Main St to Red River	
J. B. CRAGG, CHIEF ENGINEER		SCALE	1 in = 40 ft. HOR. DATE: 1935
W. D. McLEOD, Secretary		DESIGNED BY	J.B.S. PLAN No. 47
		CHECKED BY	J.B.S.
		APPROVED BY	J.B.S.

NOTES: Ref. A - Nov 21, 33 Location of Secondary changed east of Main St.
 Ref. B - Main St. - 48\"/>

Micro-Filmed 1965



DRAWING NO.'s	TITLE AND TYPE
9 - 31	MAIN STREET MAIN INTERCEPTOR
317 - 319	KILDONAN DRIVE FORCEMAIN
143	JEFFERSON AVENUE SECONDARY SEWER
48,49 & 503	POLSON AVENUE SECONDARY SEWER & RIVER CROSSING
548	ST JOHN'S AVENUE SECONDARY SEWER
55 & 223	HART AVENUE SECONDARY SEWER & RIVER CROSSING
47	SELKIRK AVENUE SECONDARY SEWER
80 & 99 - 102	SUTHERLAND AVENUE SECONDARY SEWER
515 - 516	SUTHERLAND AVENUE SECONDARY SEWER
103	SYNDICATE STREET SECONDARY SEWER
104	BOYLE STREET SECONDARY SEWER
79 & 229	MONTCALM SECONDARY SEWER & RIVER CROSSING



SYNDICATE STREET COMMUNUTOR AND PUMPING STATION
DETAIL "A"

FOR CONTINUATION OF KILDONAN DRIVE FORCEMAIN SEE DWG.No. MS-22C

LEGEND
 ——— INTERCEPTOR
 - - - - - FORCEMAIN

WATERWORKS, WASTE AND DISPOSAL DEPARTMENT

MAIN INTERCEPTOR

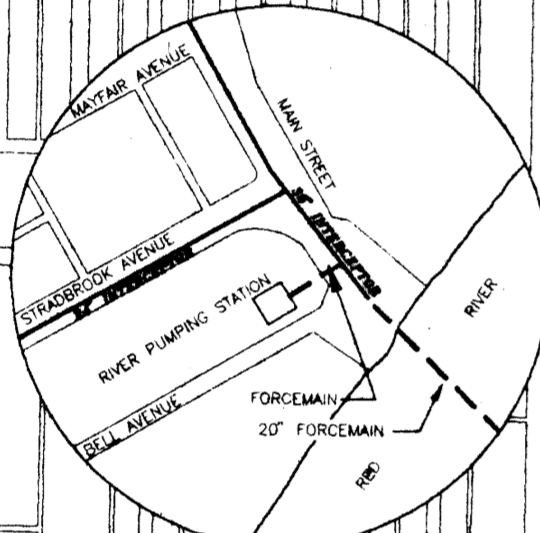
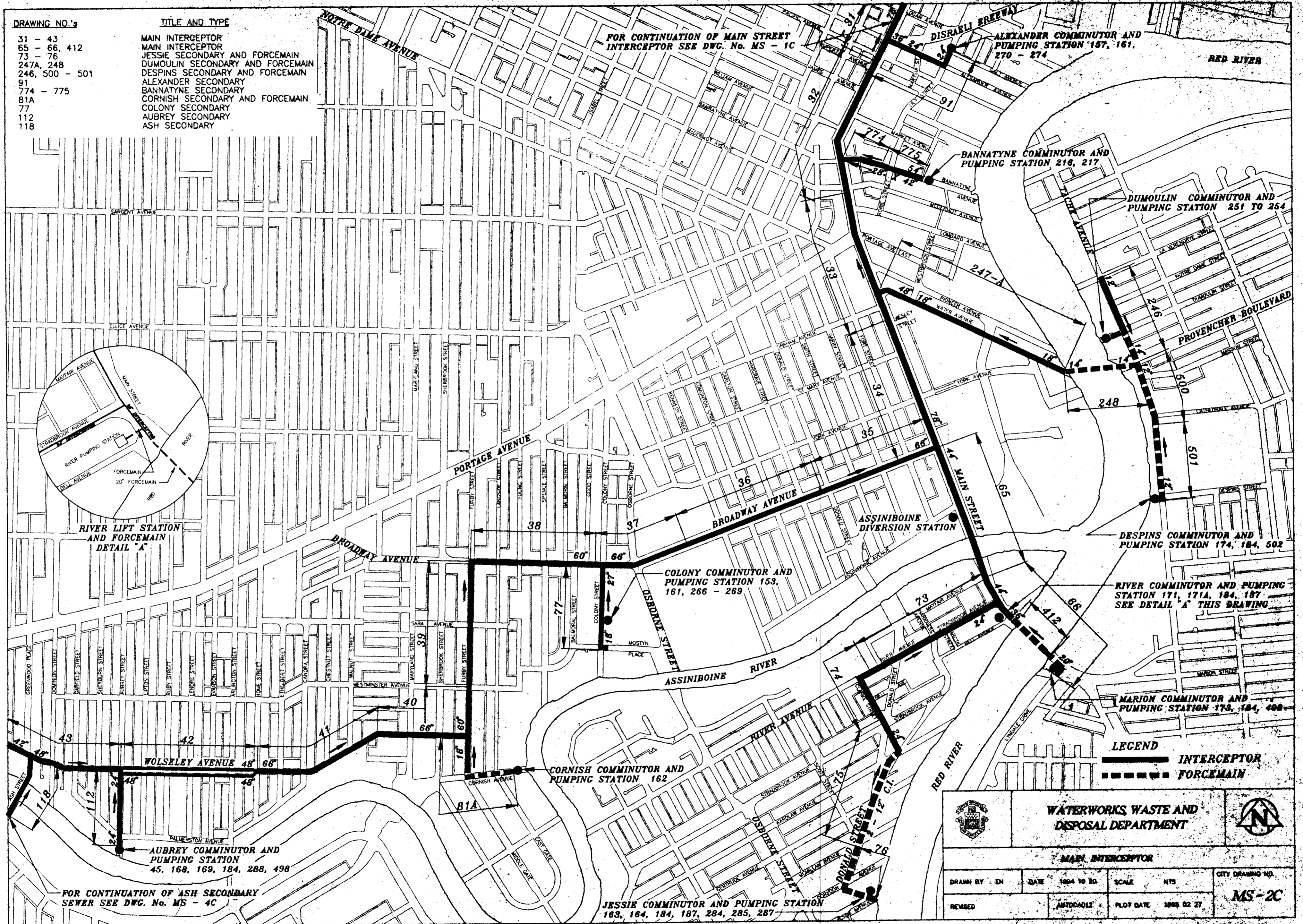
DRAWN BY TM	DATE 1995 01 11	SCALE NTS	CITY DRAWING NO.
REVISED	AUTOCAD12	PLOT DATE 1995 02 24	MS - 1C

DRAWING NO.'s

- 31 - 43
- 65 - 66, 412
- 73 - 76
- 247A, 248
- 246, 500 - 501
- 91
- 774 - 775
- 81A
- 77
- 112
- 118

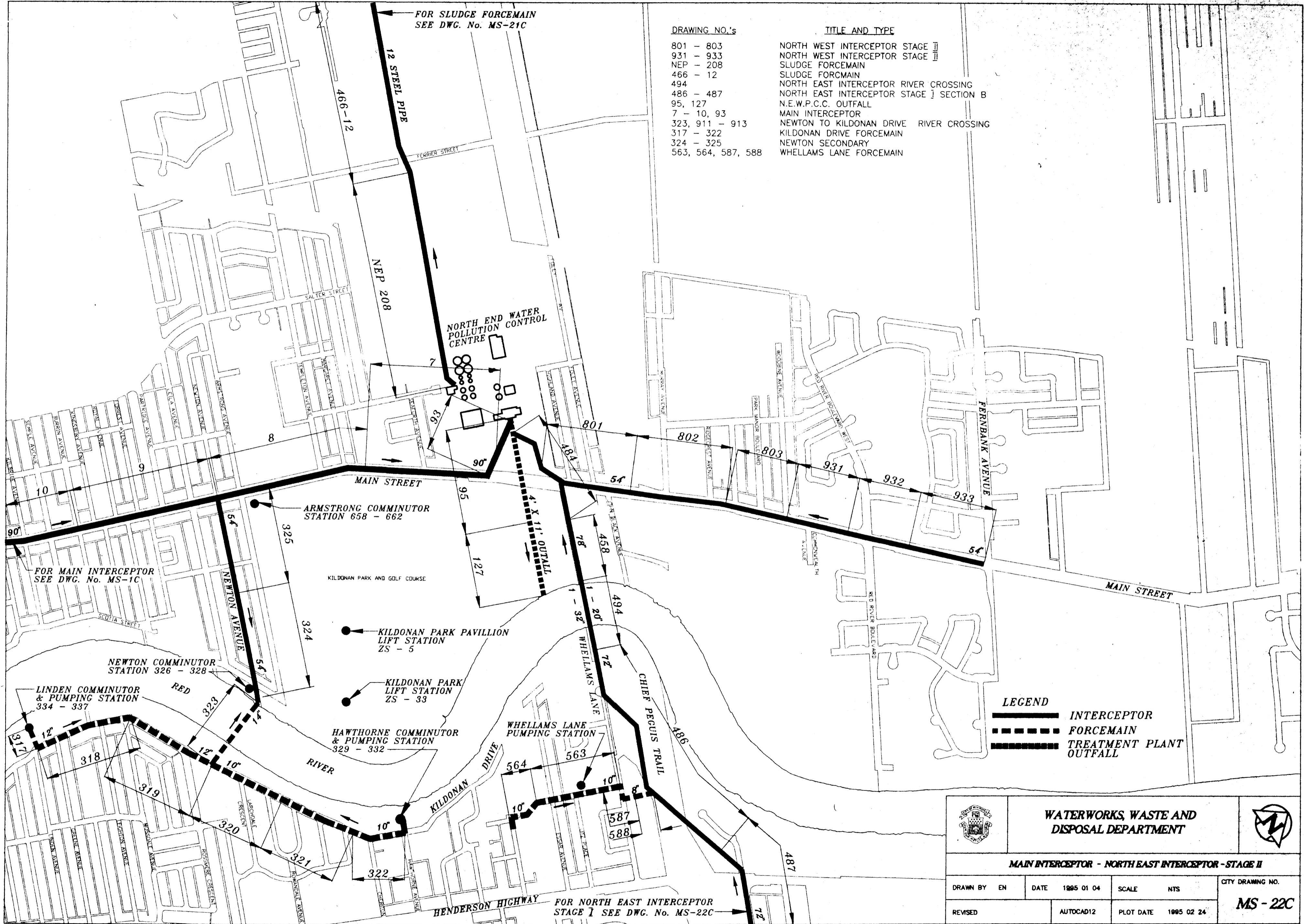
TITLE AND TYPE

- MAIN INTERCEPTOR
- MAIN INTERCEPTOR
- JESSIE SECONDARY AND FORCEMAIN
- DUMOULIN SECONDARY AND FORCEMAIN
- DESPINS SECONDARY AND FORCEMAIN
- ALEXANDER SECONDARY
- BANNATYNE SECONDARY
- CORNISH SECONDARY AND FORCEMAIN
- COLONY SECONDARY
- AUBREY SECONDARY
- ASH SECONDARY



LEGEND
 ——— INTERCEPTOR
 - - - - - FORCEMAIN

		WATERWORKS, WASTE AND DISPOSAL DEPARTMENT		
DRAWN BY: EN	DATE: 1904 10 30	SCALE: NTS	CITY DRAWING NO.	
REVISED:	AUTH'D: CAG:12	PLOT DATE: 1906 02 27	MS-2C	

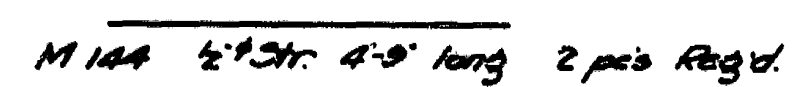
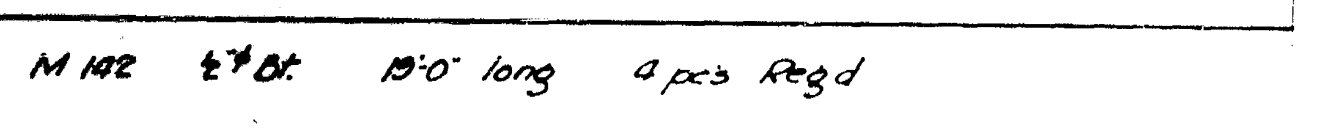
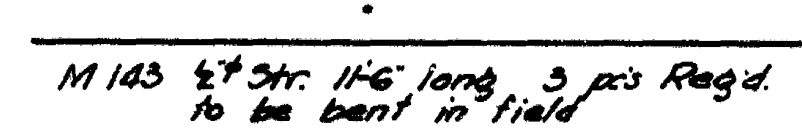
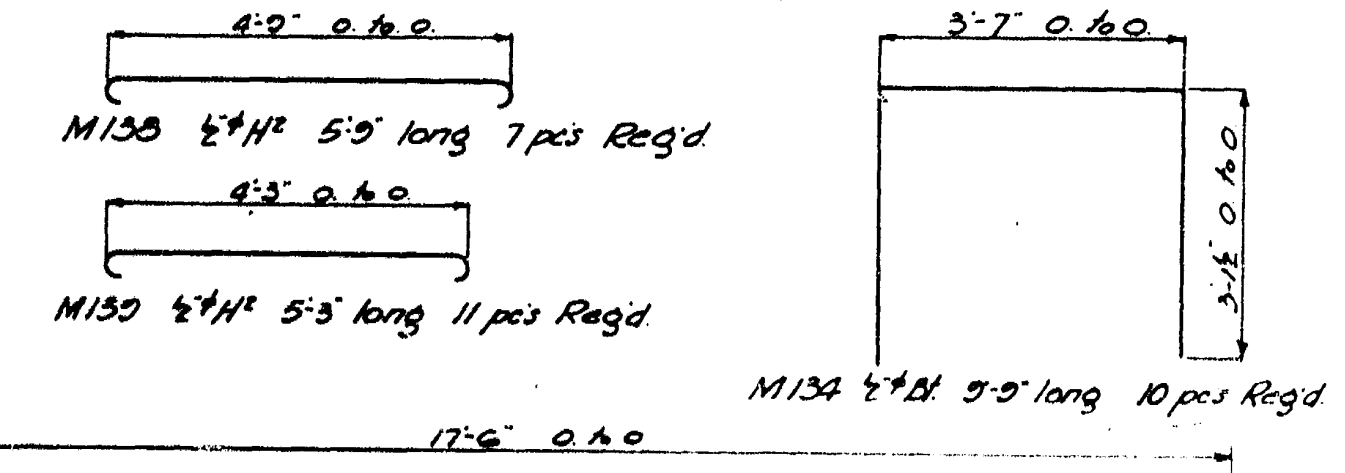
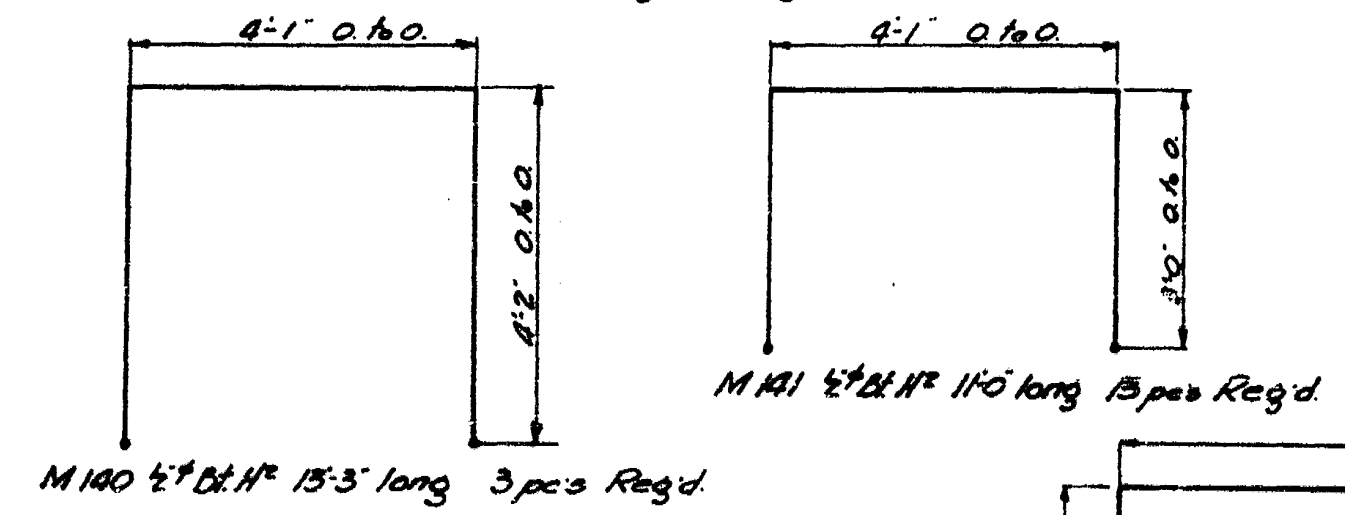
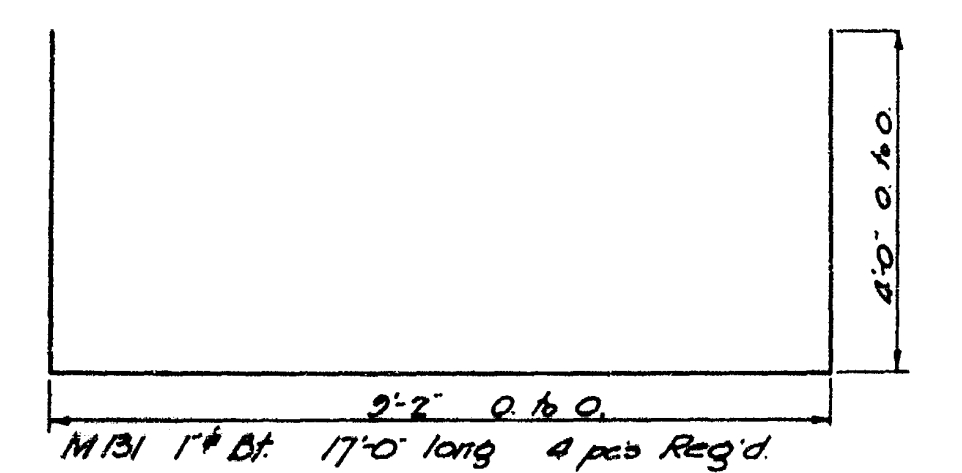
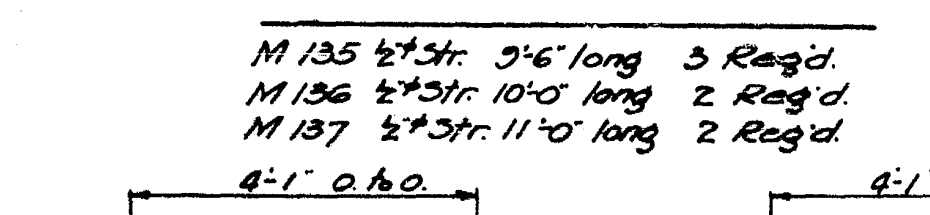
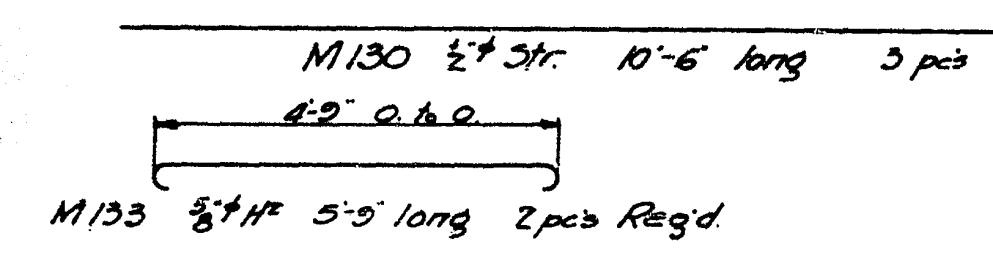
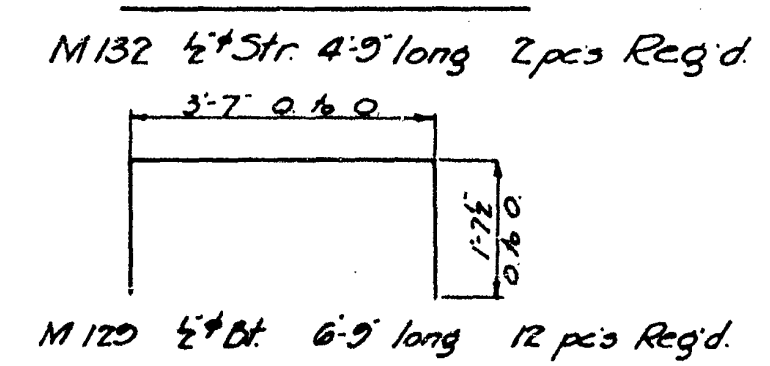
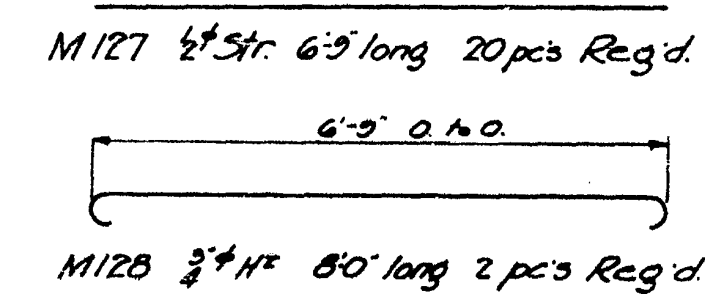
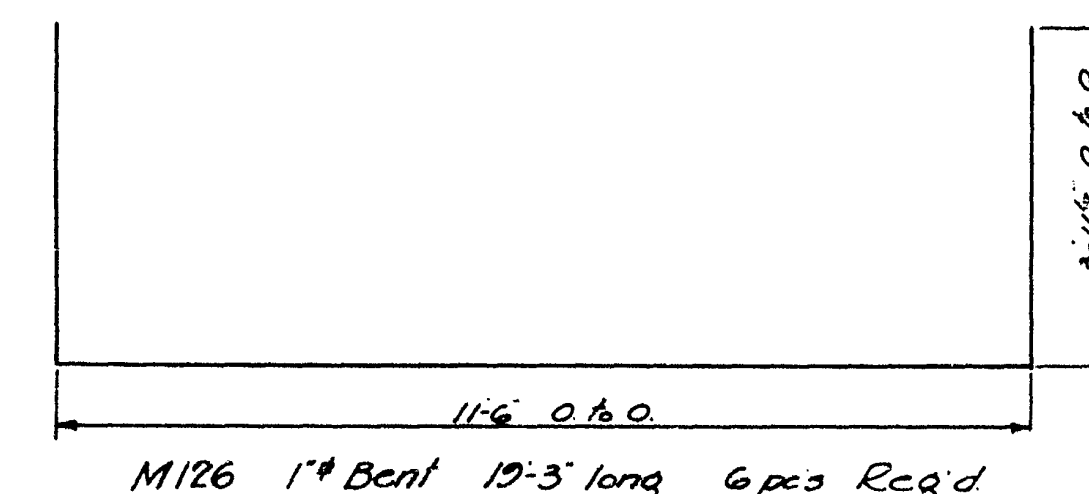
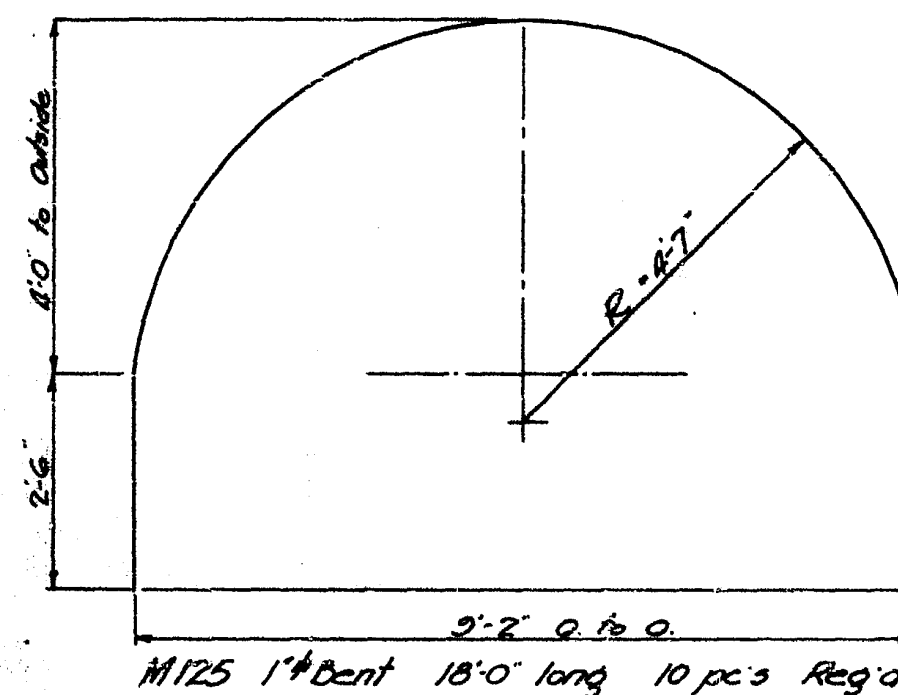
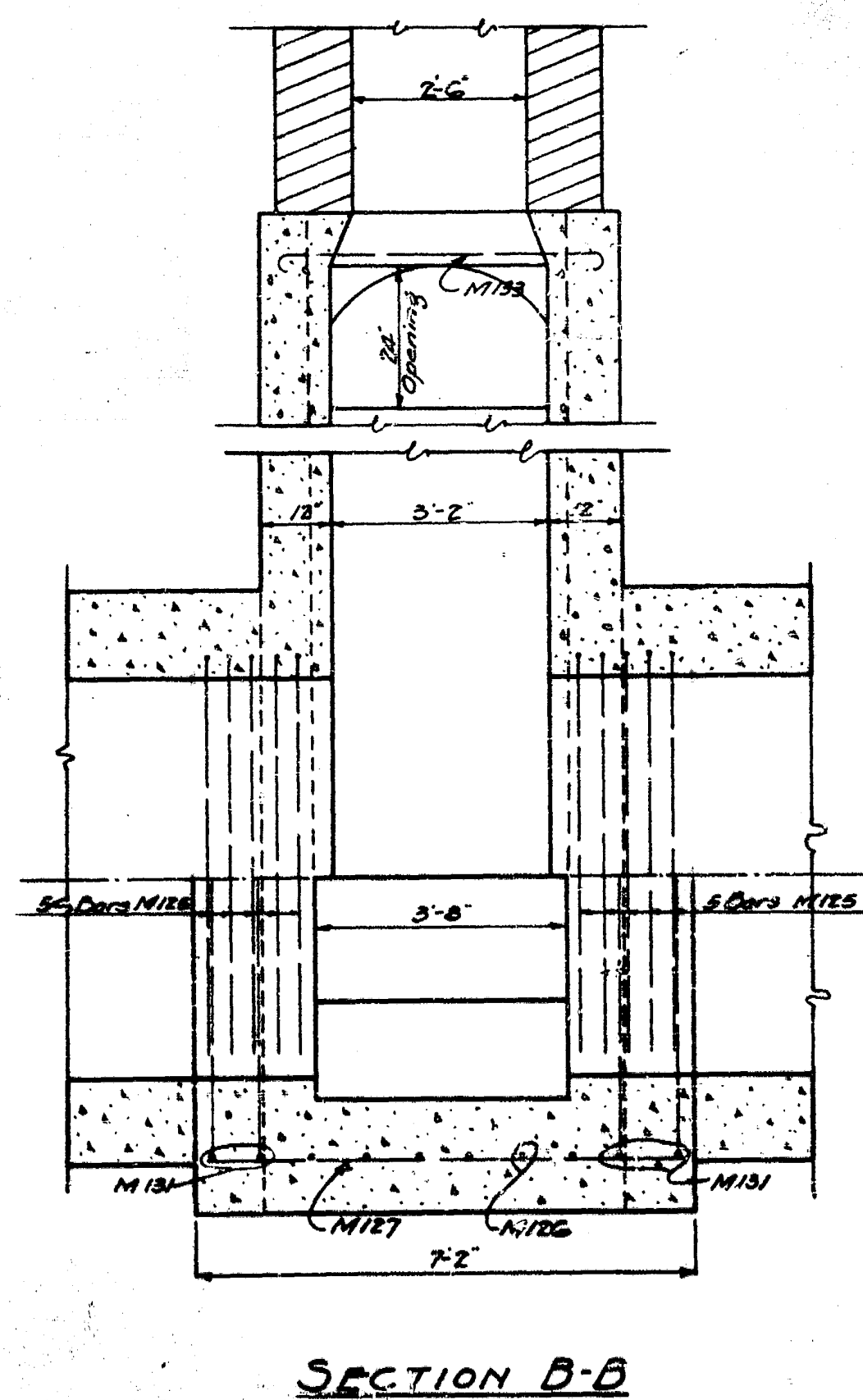
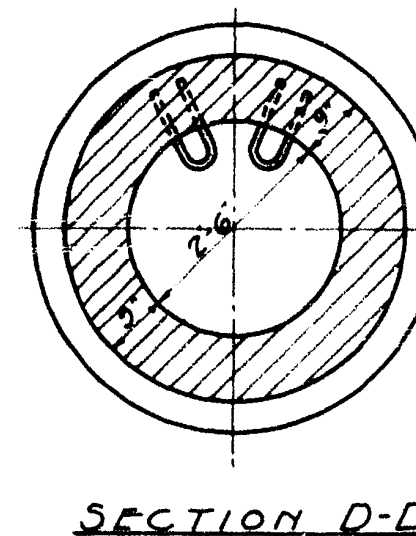
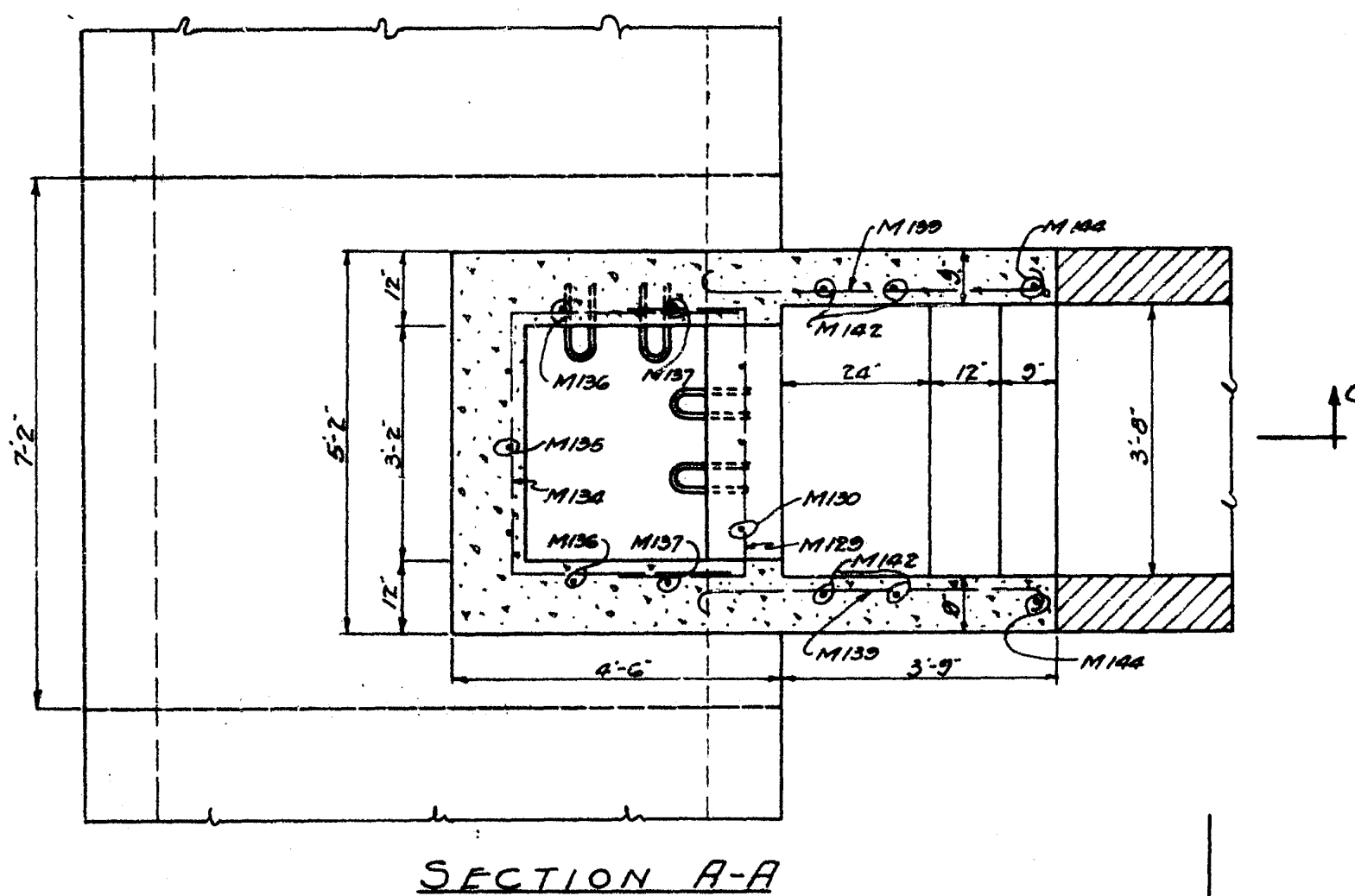
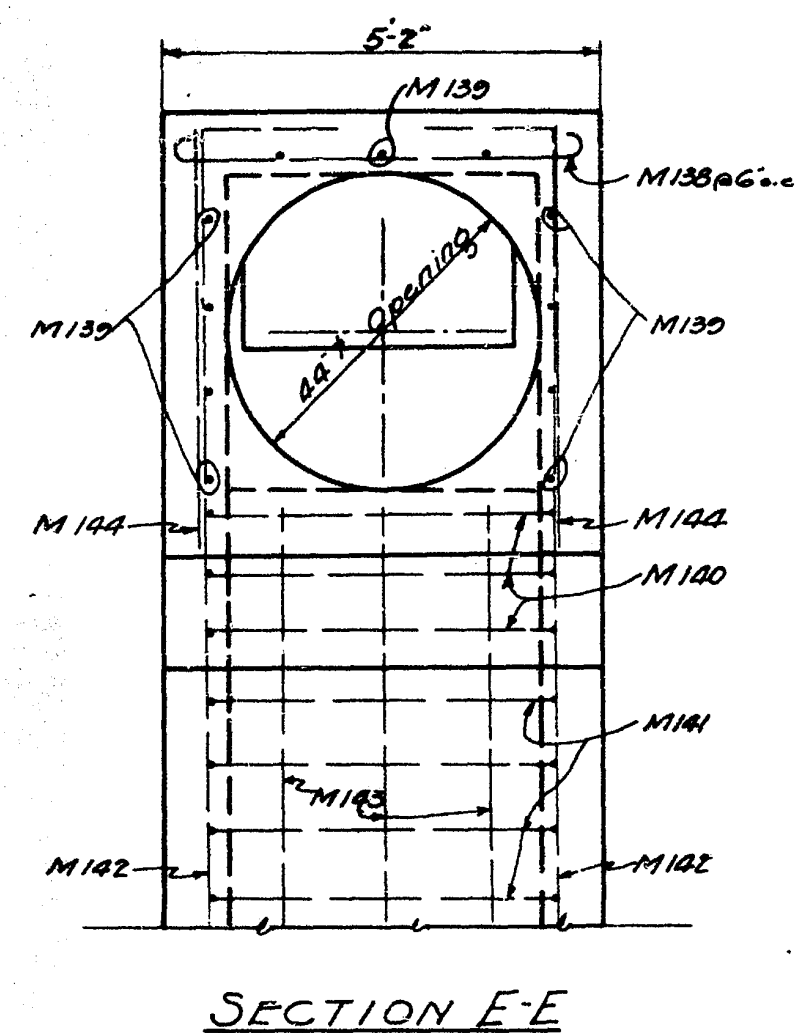
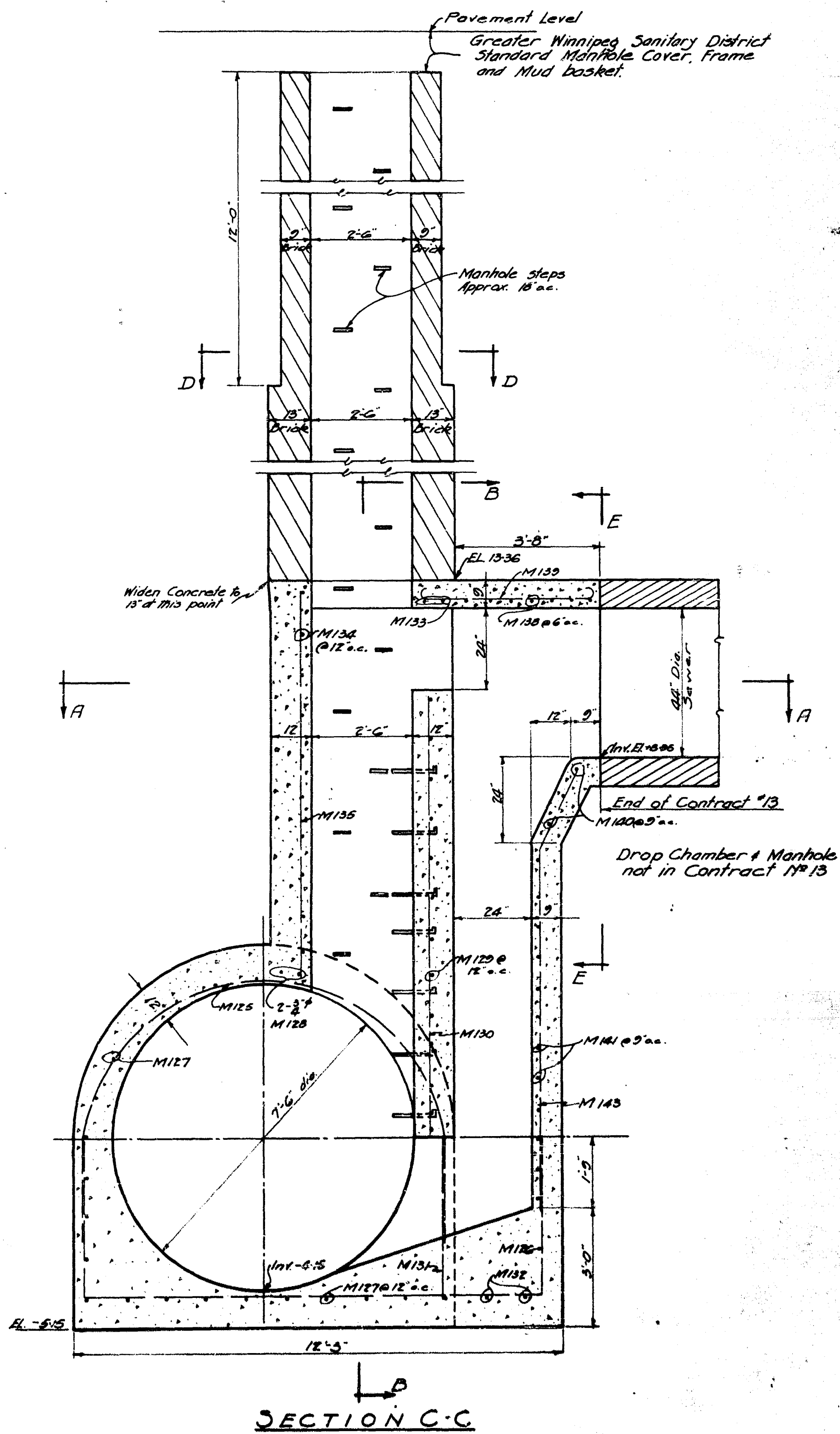


DRAWING NO.'s	TITLE AND TYPE
801 - 803	NORTH WEST INTERCEPTOR STAGE II
931 - 933	NORTH WEST INTERCEPTOR STAGE II
NEP - 208	SLUDGE FORCEMAIN
466 - 12	SLUDGE FORCEMAIN
494	NORTH EAST INTERCEPTOR RIVER CROSSING
486 - 487	NORTH EAST INTERCEPTOR STAGE I SECTION B
95, 127	N.E.W.P.C.C. OUTFALL
7 - 10, 93	MAIN INTERCEPTOR
323, 911 - 913	NEWTON TO KILDONAN DRIVE RIVER CROSSING
317 - 322	KILDONAN DRIVE FORCEMAIN
324 - 325	NEWTON SECONDARY
563, 564, 587, 588	WHELLAMS LANE FORCEMAIN

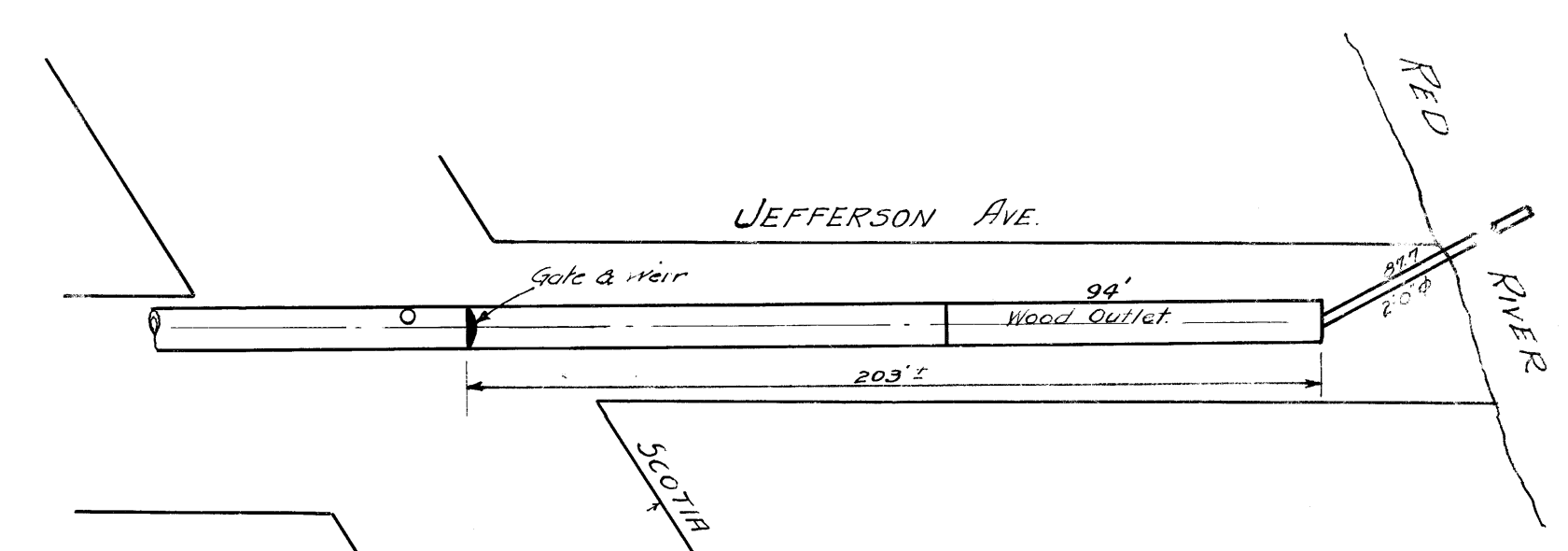
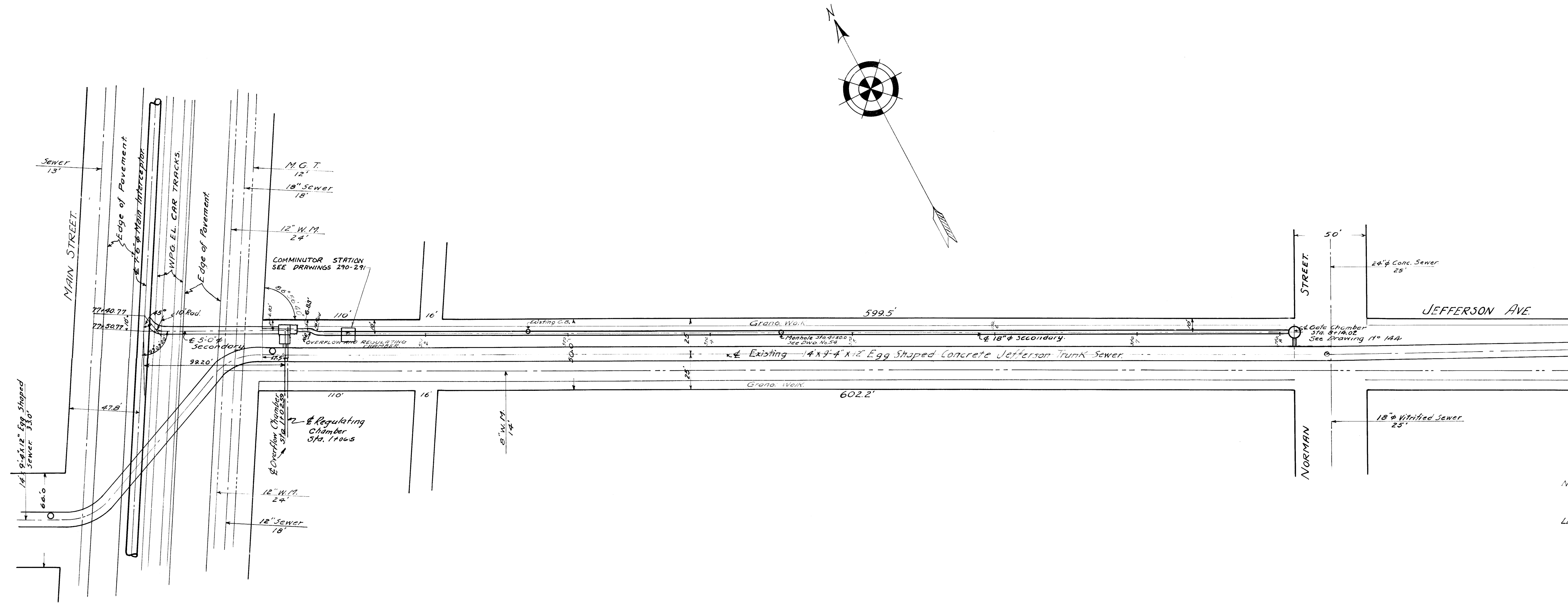
LEGEND

	INTERCEPTOR
	FORCEMAIN
	TREATMENT PLANT OUTFALL

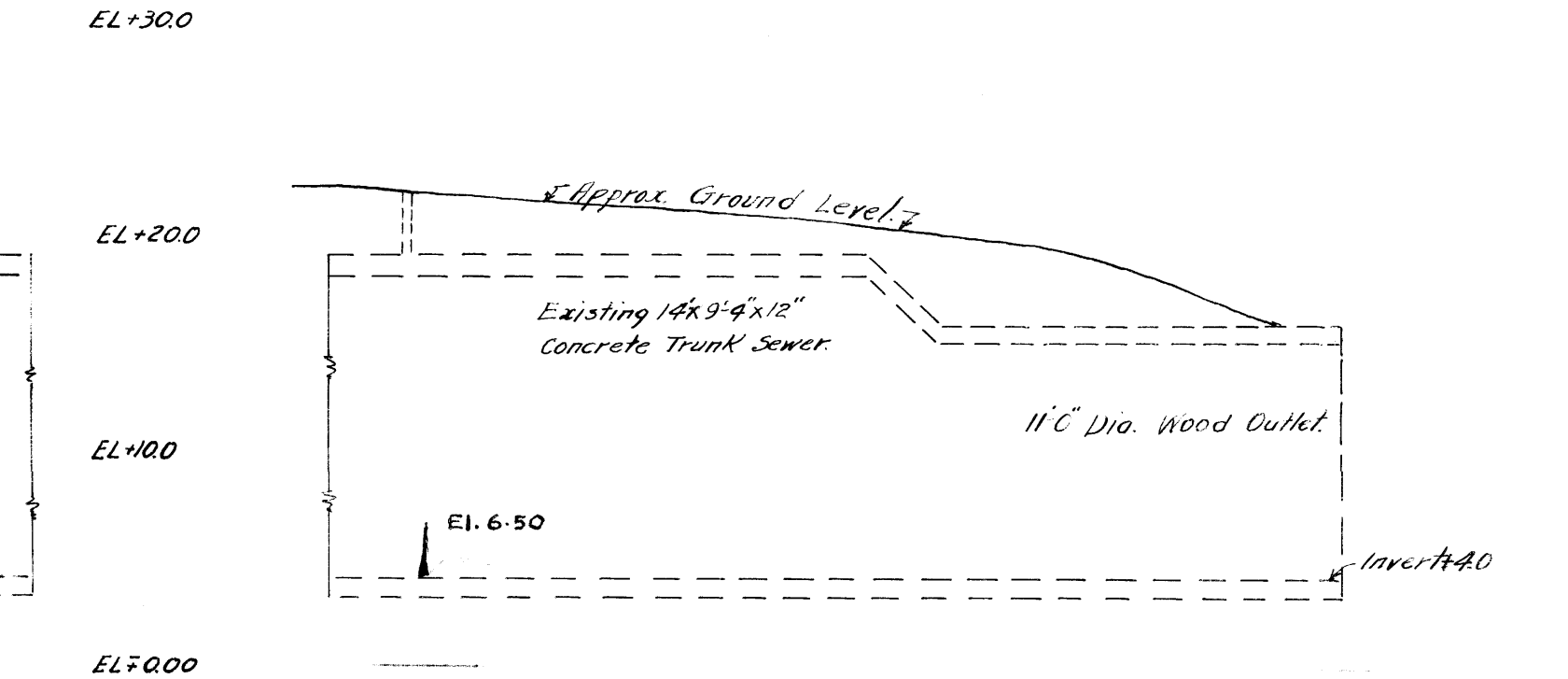
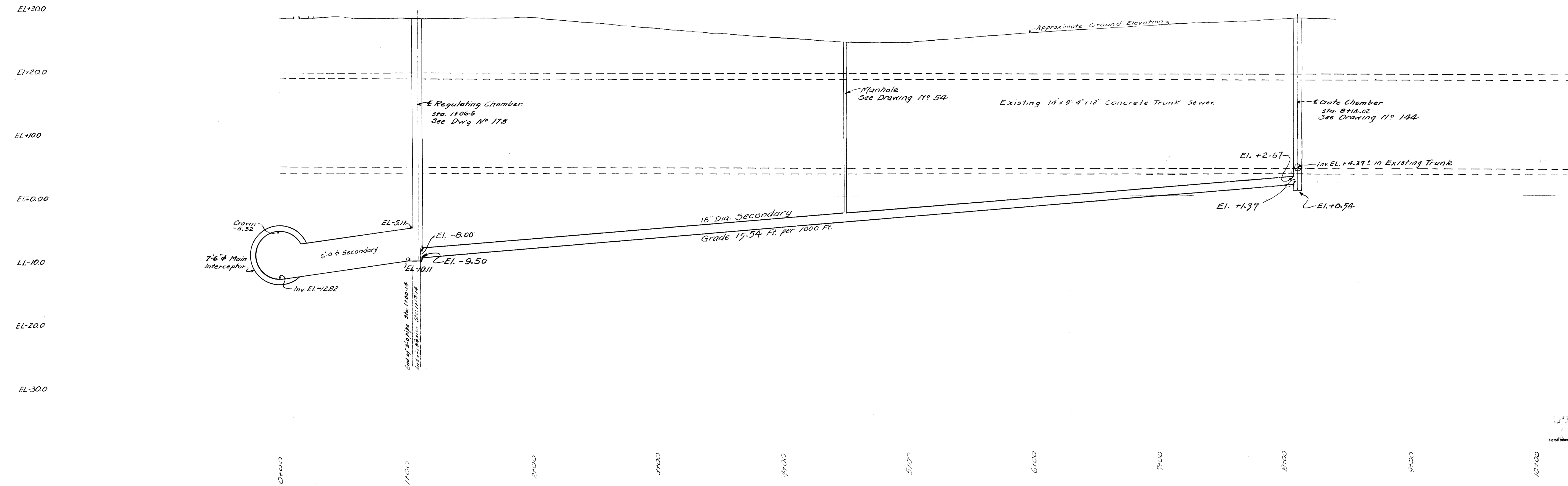
		WATERWORKS, WASTE AND DISPOSAL DEPARTMENT			
MAIN INTERCEPTOR - NORTH EAST INTERCEPTOR - STAGE II					
DRAWN BY	EN	DATE	1995 01 04	SCALE	NTS
REVISED		AUTOCAD12	PLOT DATE	1995 02 24	
					CITY DRAWING NO. MS - 22C



GREATER WINNIPEG SANITARY DISTRICT S. L. F. A. ENGINEER		TITLE: SUTHERLAND SECONDARY DEPT. 12 OF DROP CHAMBER AT MAIN INTERCEPTOR
W. P. BERTON, Chief Eng. W. W. BARKING J. S. BATTEN C. S. LONDON	APPROVED: [Signature] [Signature]	DATE: 12-10-1915 DRAWN: F. S. A. SHEET NO. 107 CONTRACT NO. 187



Legend
 --- Sewers
 --- Water Mains
 --- M.G.T.



Micro-Print 1005

GREATER WINNIPEG SANITARY DISTRICT

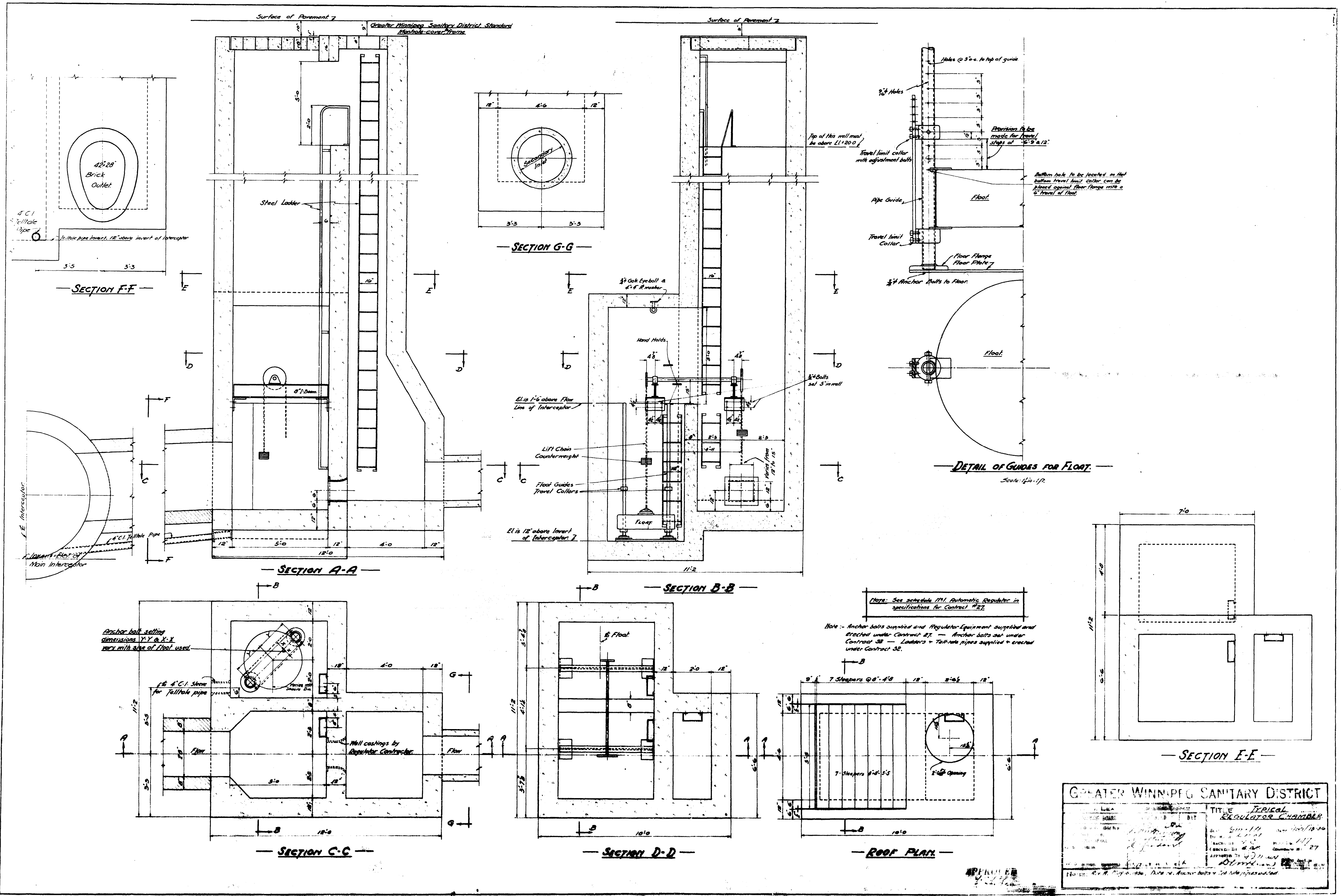
W. S. LEA Consulting Engineer
 APPROVED

TITLE: JEFFERSON SECONDARY
 PLAN & PROFILE, MAIN TO SCOTIA

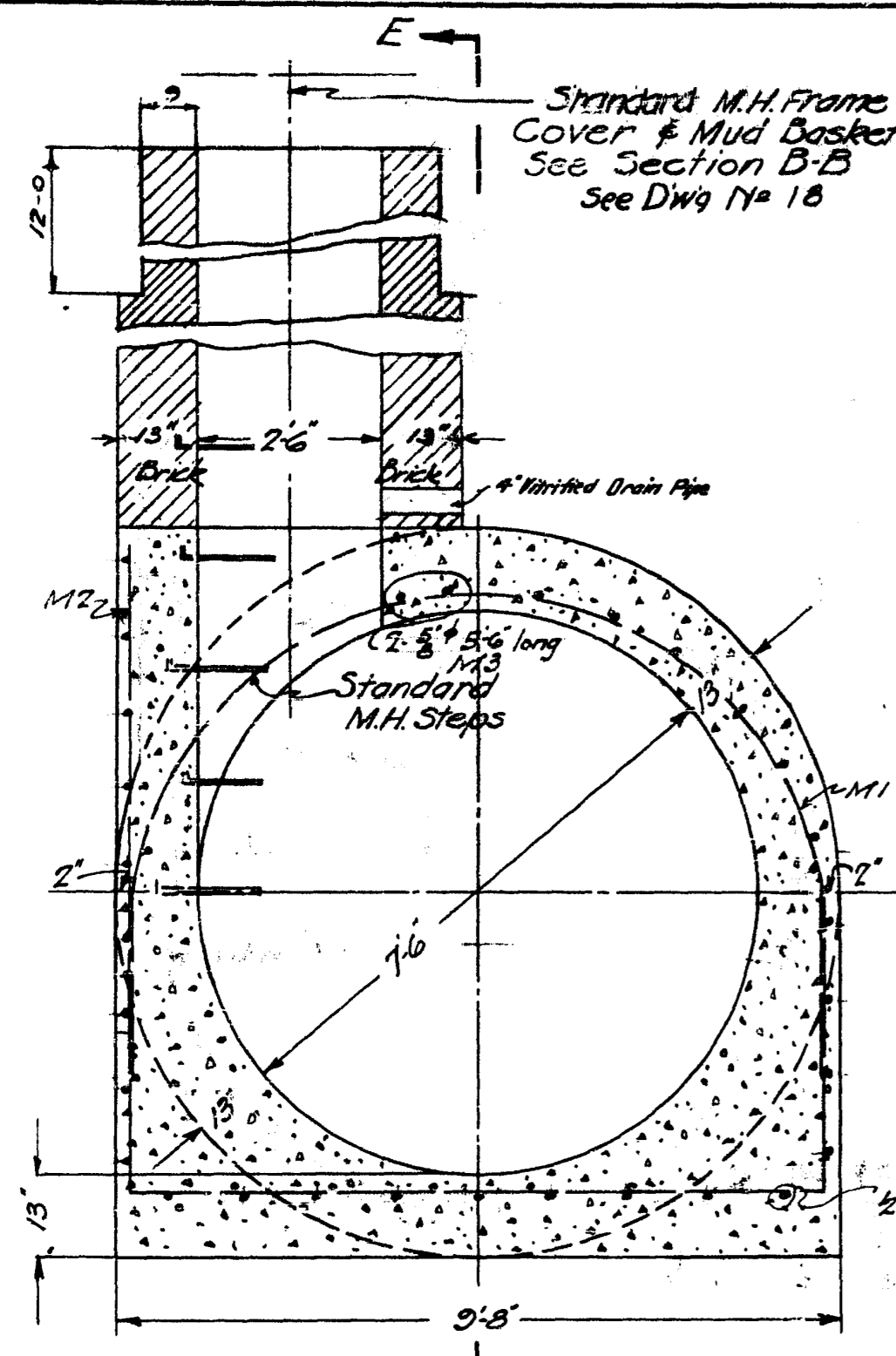
SCALE: 1" = 40' HORIZ.
 1" = 10' VERT.

APPROVED: [Signature]
 CONSULTING ENGINEER

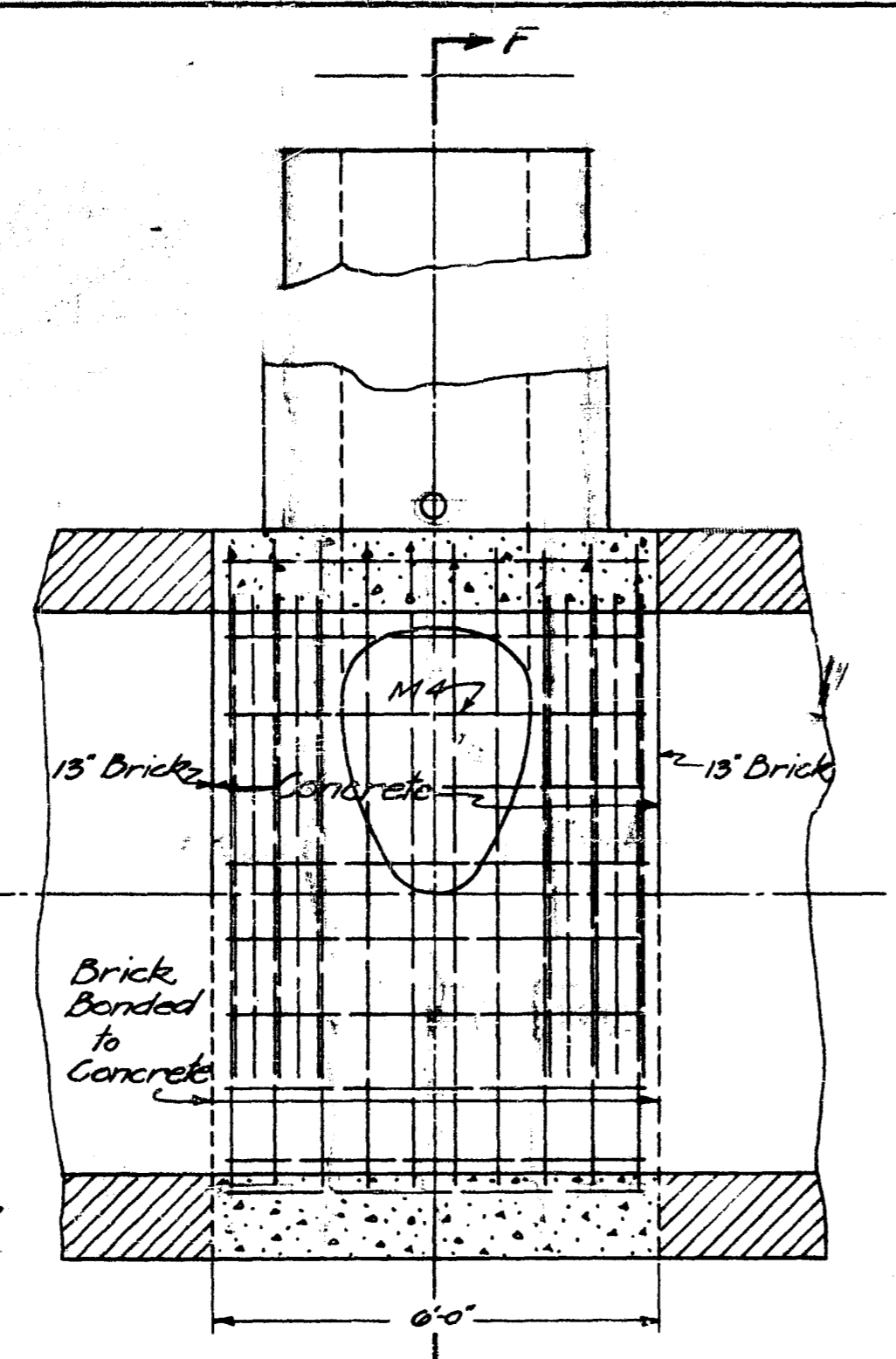
NOTES: Revision April 8, 1936 - Grade and Elevations of 18" Secondary Revised.
 Revision April 8, 1936 - Grade and Elevations of 12" Secondary Revised.
 Revision April 15, 1936 - Grade of 5.0" x Secondary Sewer Changed from 15.54 to 16.54.
 Revision 2 Jan 27-37 - Special Gate & Weir Chamber added.



GREATER WINNIPEG SANITARY DISTRICT	
TITLE: TYPICAL REGULATOR CHAMBER	DATE: 2/11/20
DRAWN BY: [Signature]	CHECKED BY: [Signature]
APPROVED BY: [Signature]	DATE: 2/27
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	

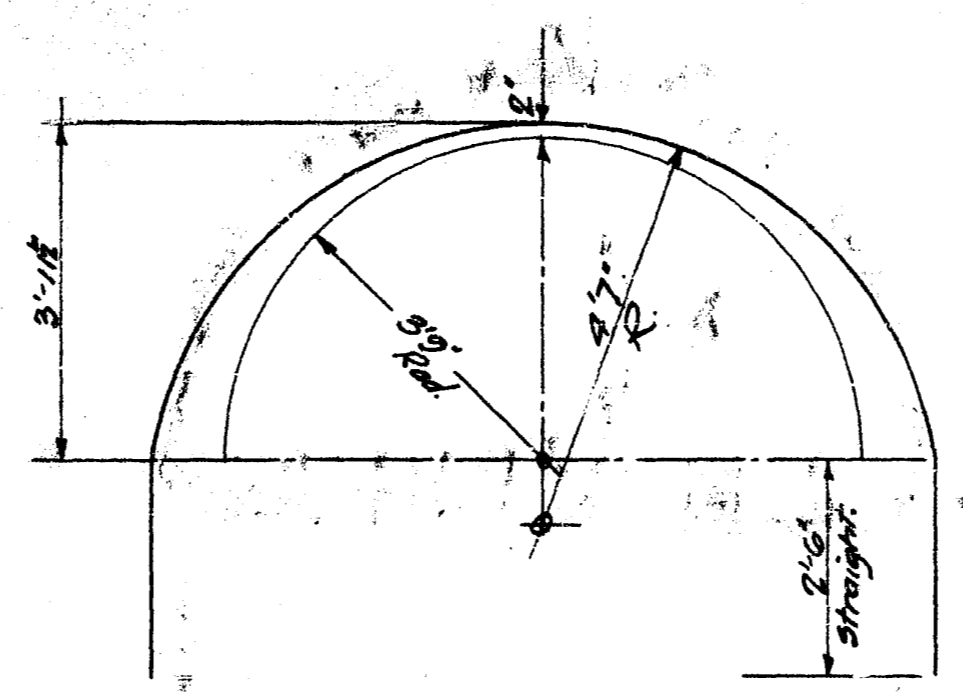


SECTION F-F



SECTION E-E

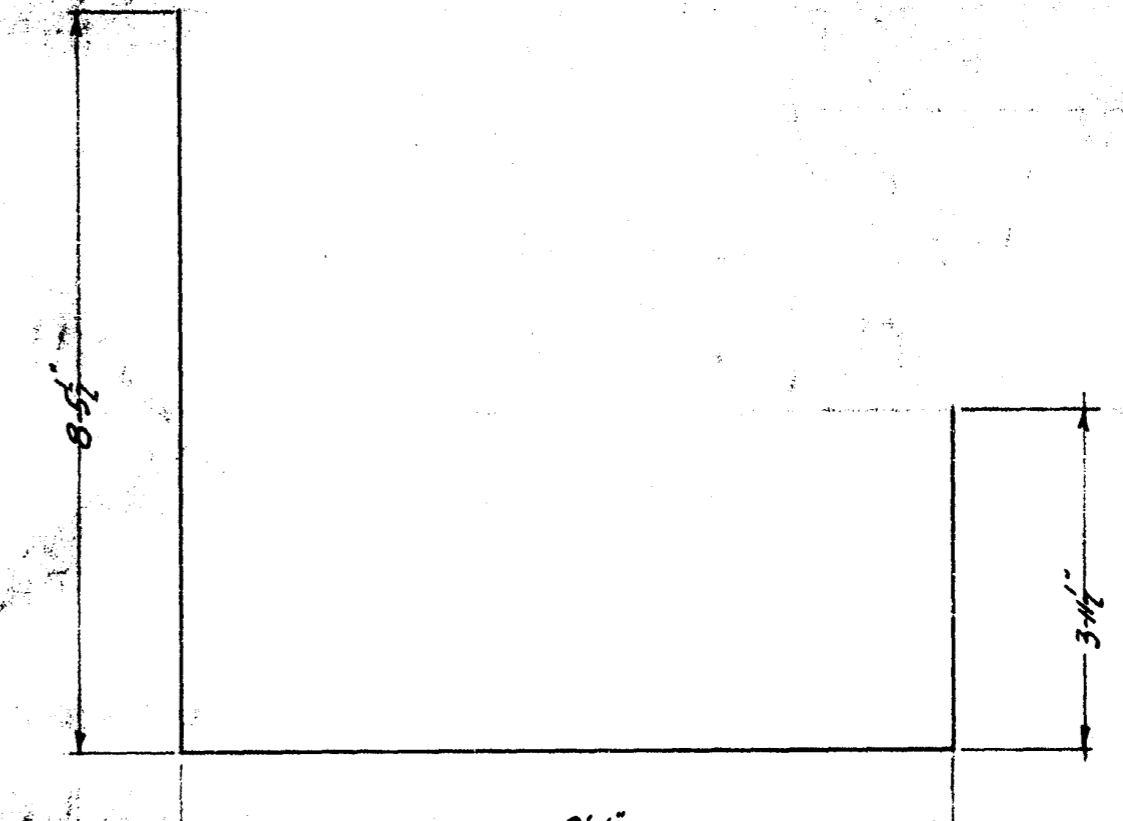
BRICK SEWER



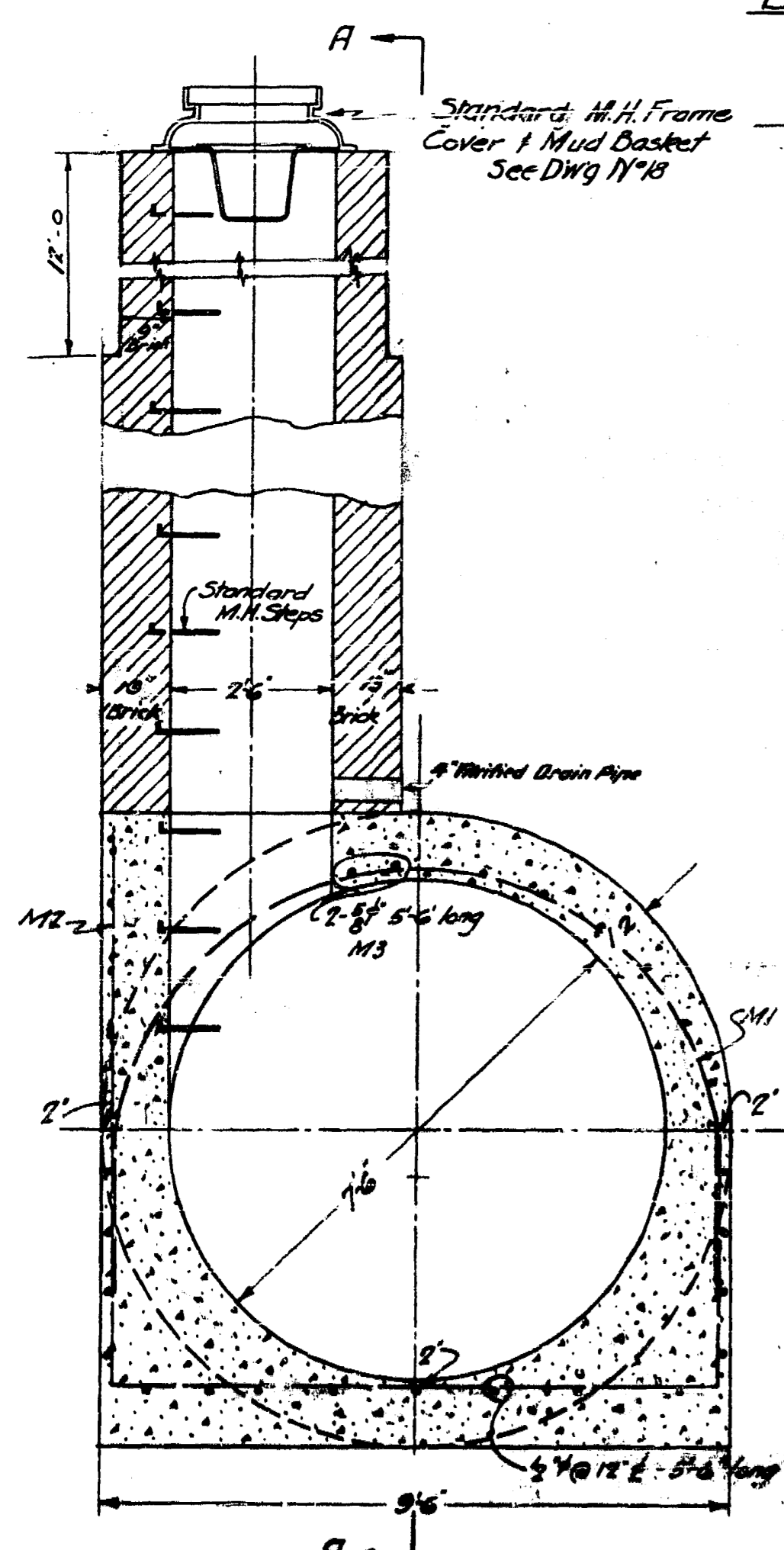
M1 - 1" BENT 18'-0" long
10 per M.H.

M3 - 2'-8" x 5'-6" long
2 per M.H.

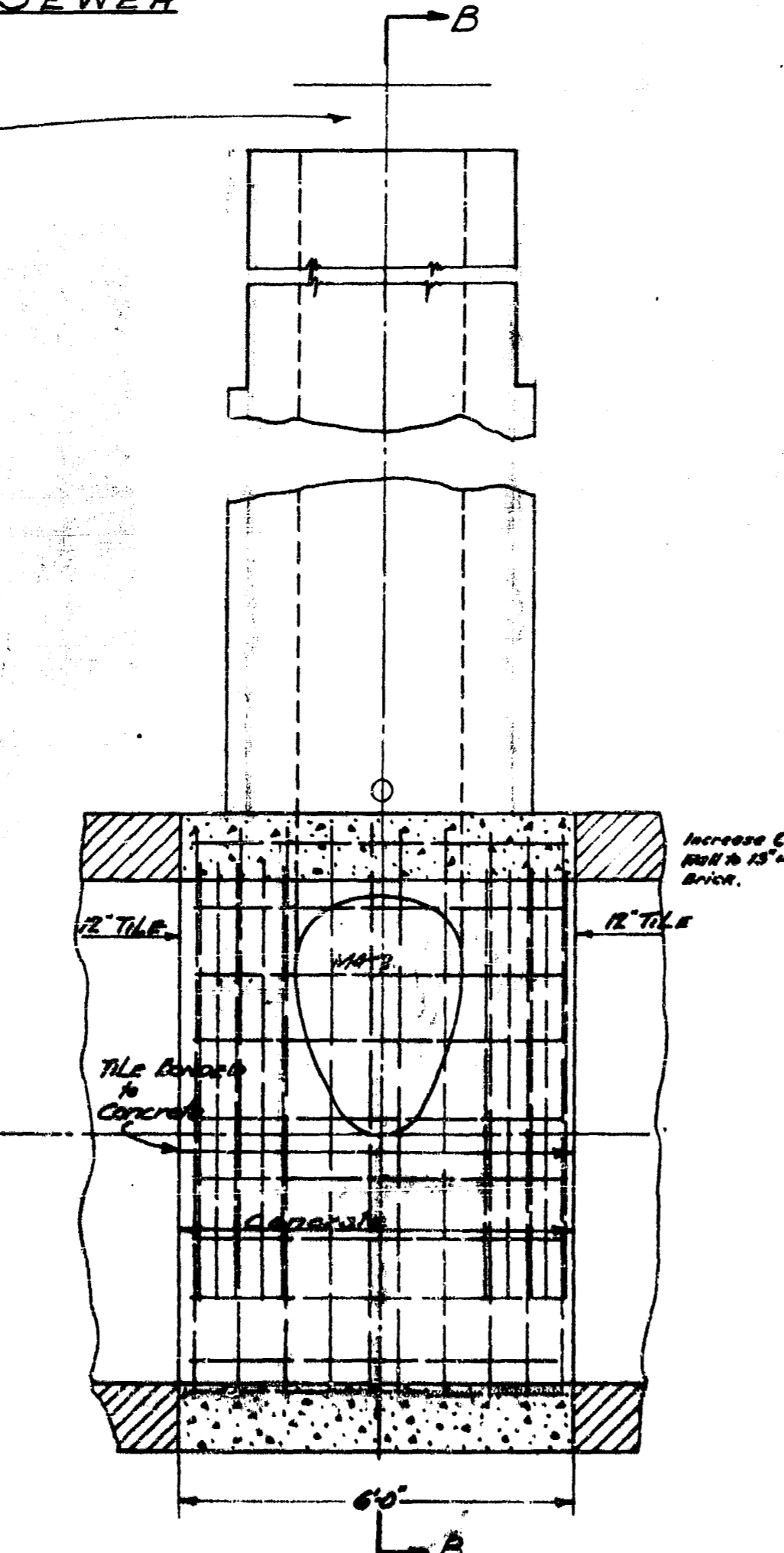
M4 - 2'-8" x 5'-6" long
30 per M.H.



M2 - 1" BENT 21'-6" long
10 per M.H.

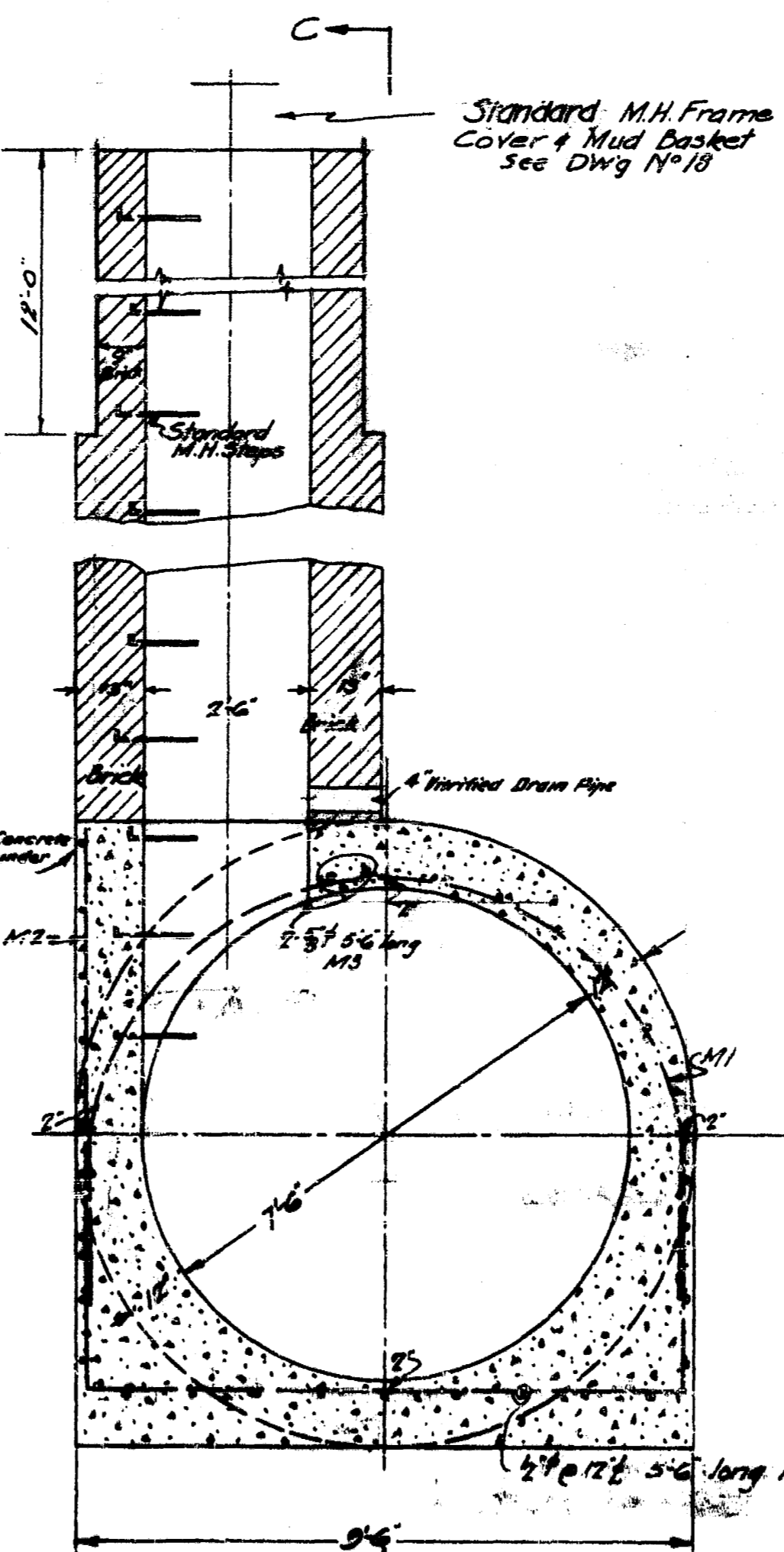


SECTION B-B



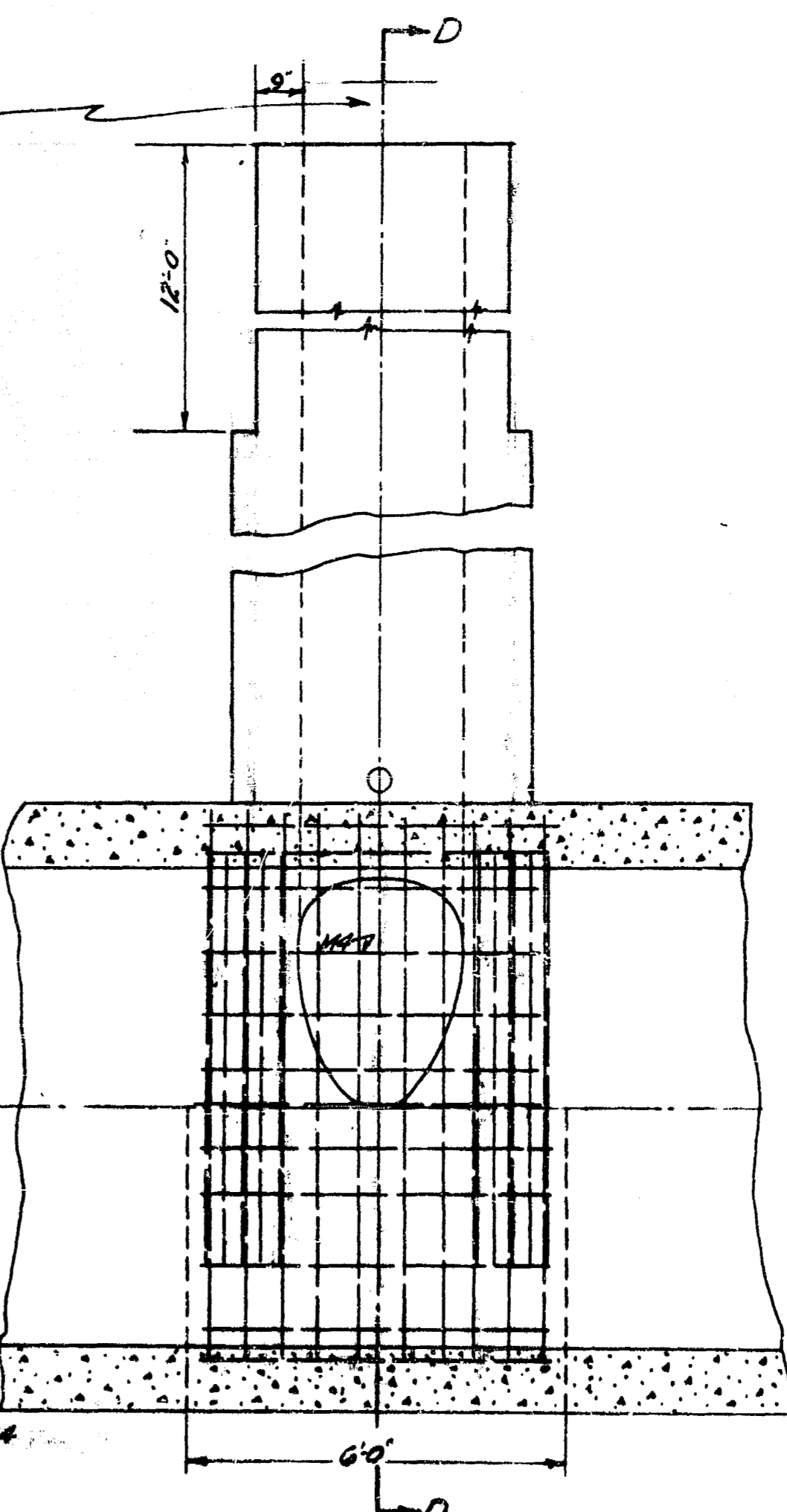
SECTION A-A

12" TILE SEWER



SECTION D-D

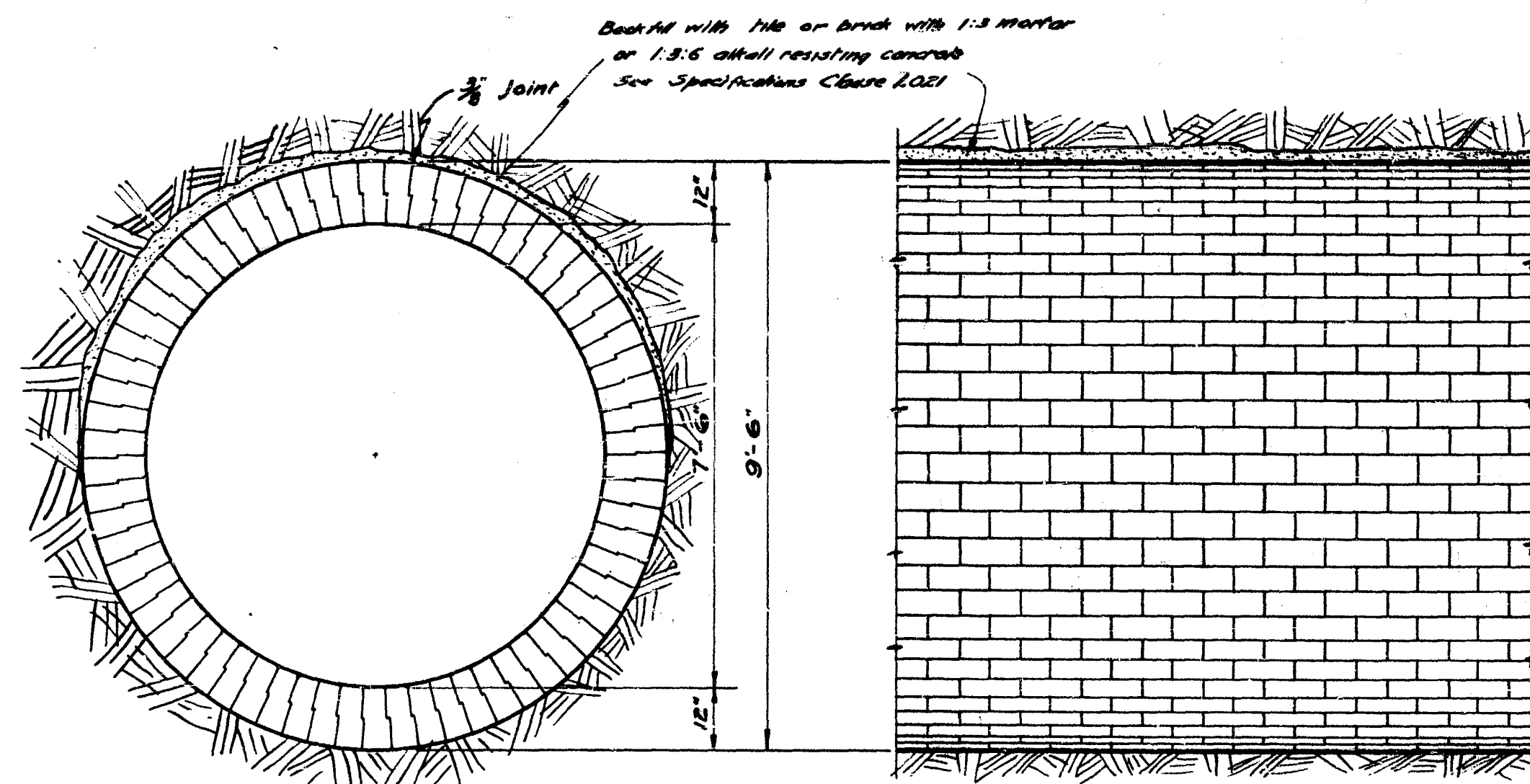
CONCRETE SEWER



SECTION C-C

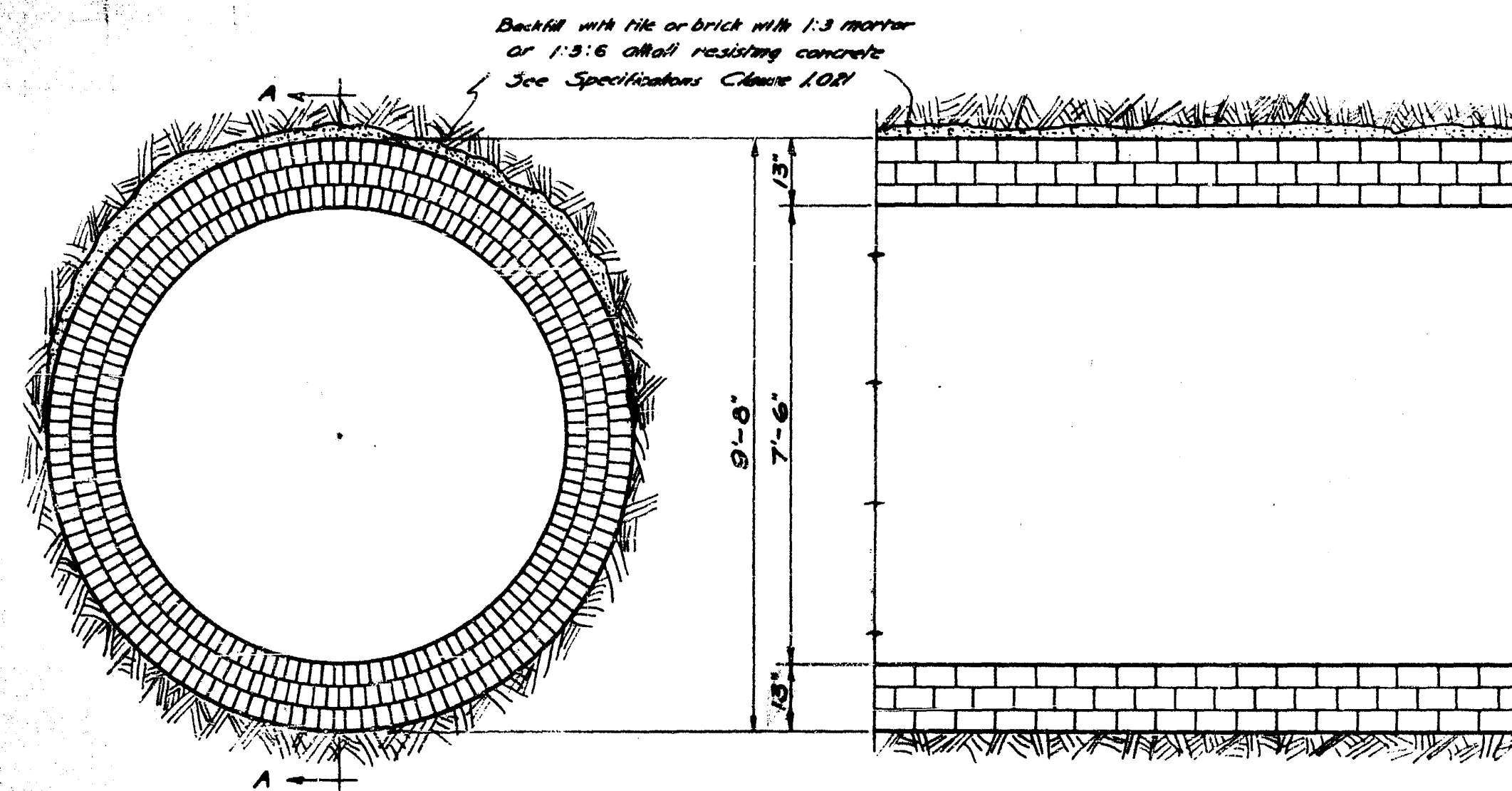
Note: - All Manholes back-filled with Gravel.

GREATER WINNIPEG SANITARY DISTRICT			
ENGINEERING BOARD	DATE	1" TILE MAIN INTERCEPTOR	
PROJECT	DATE	DETAILS OF ALTERNATIVE	
DESIGNED BY	DATE	MANHOLES FOR 12" DIA PIPE	
CHECKED BY	DATE	Plus 15 min	
APPROVED BY	DATE	20	



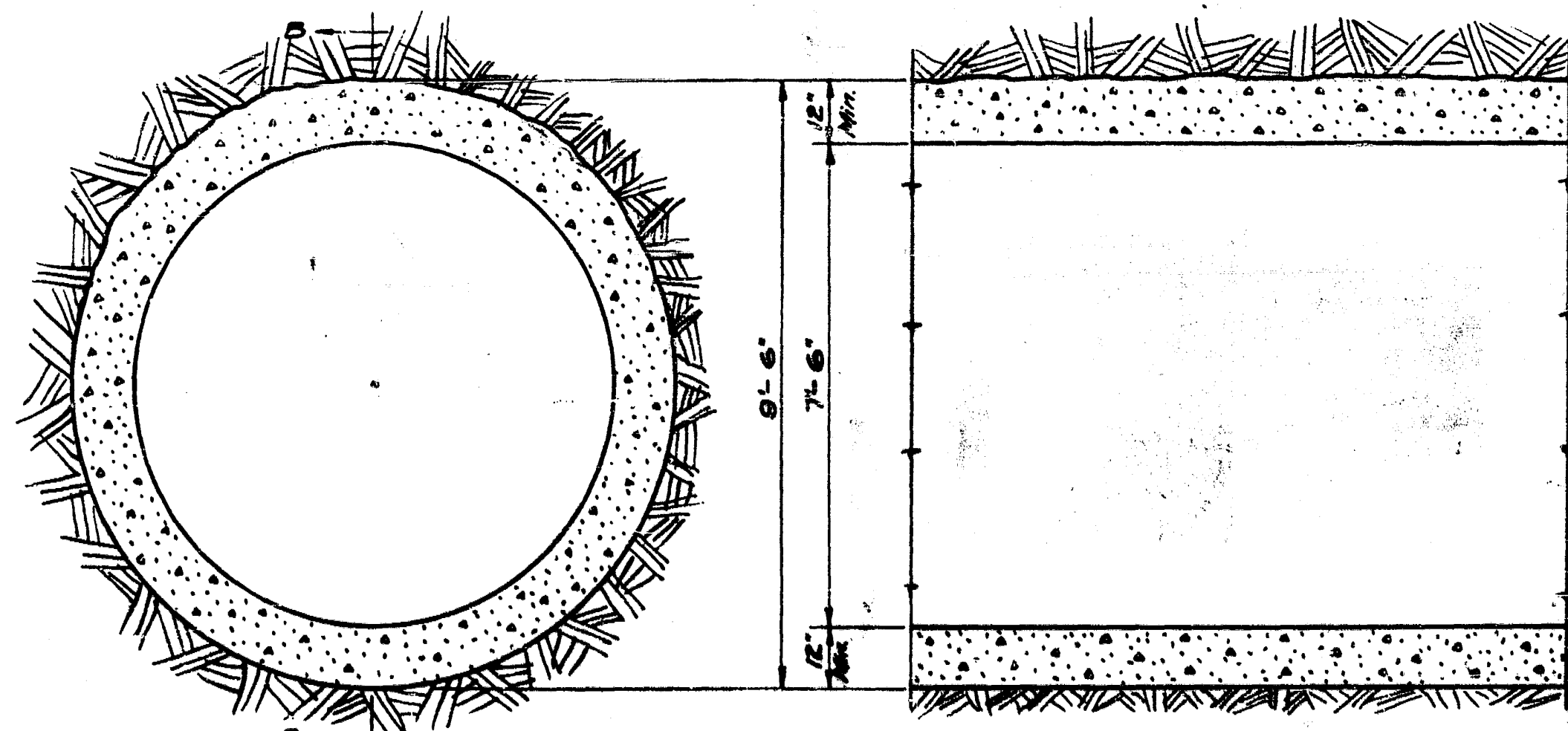
TYPE B AND C ELEVATION

SEGMENTAL CONCRETE TILE SEWER
Scale 1/2 in. = 1 Foot



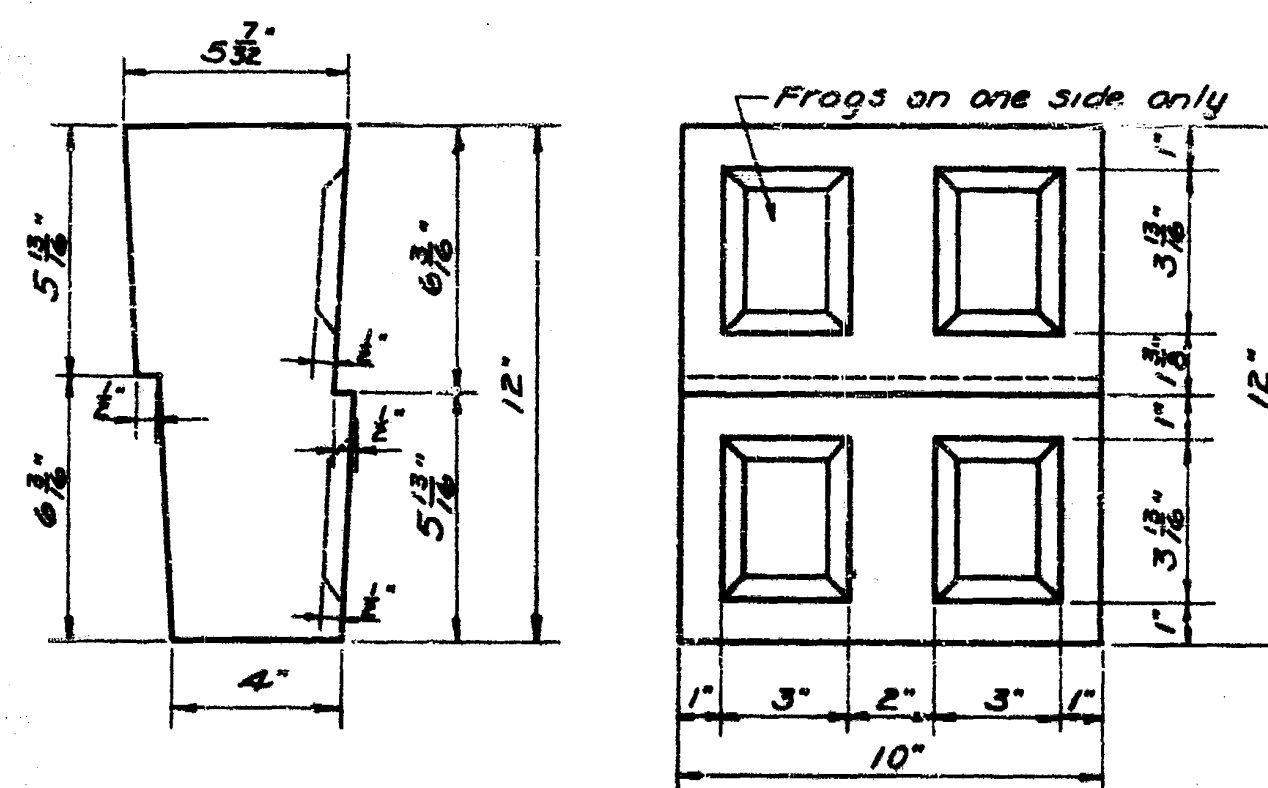
TYPE D SECTION A-A

BRICK SEWER
Scale 1/2 in. = 1 Foot

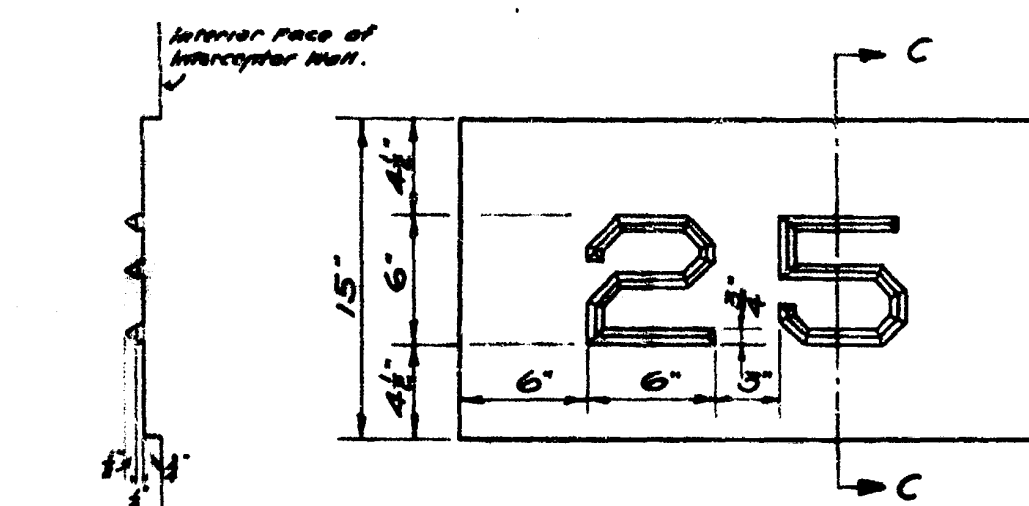


TYPE A SECTION B-B

CONCRETE SEWER
Scale 1/2 in. = 1 Foot



END VIEW SIDE VIEW
DETAIL OF TILE FOR SEWER OF DIAMETER 7'-6"
Scale 3/4 in. = 1 Foot



SECTION C-C TYPICAL STATION MARKER
Scale 1/2 in. = 1 Foot

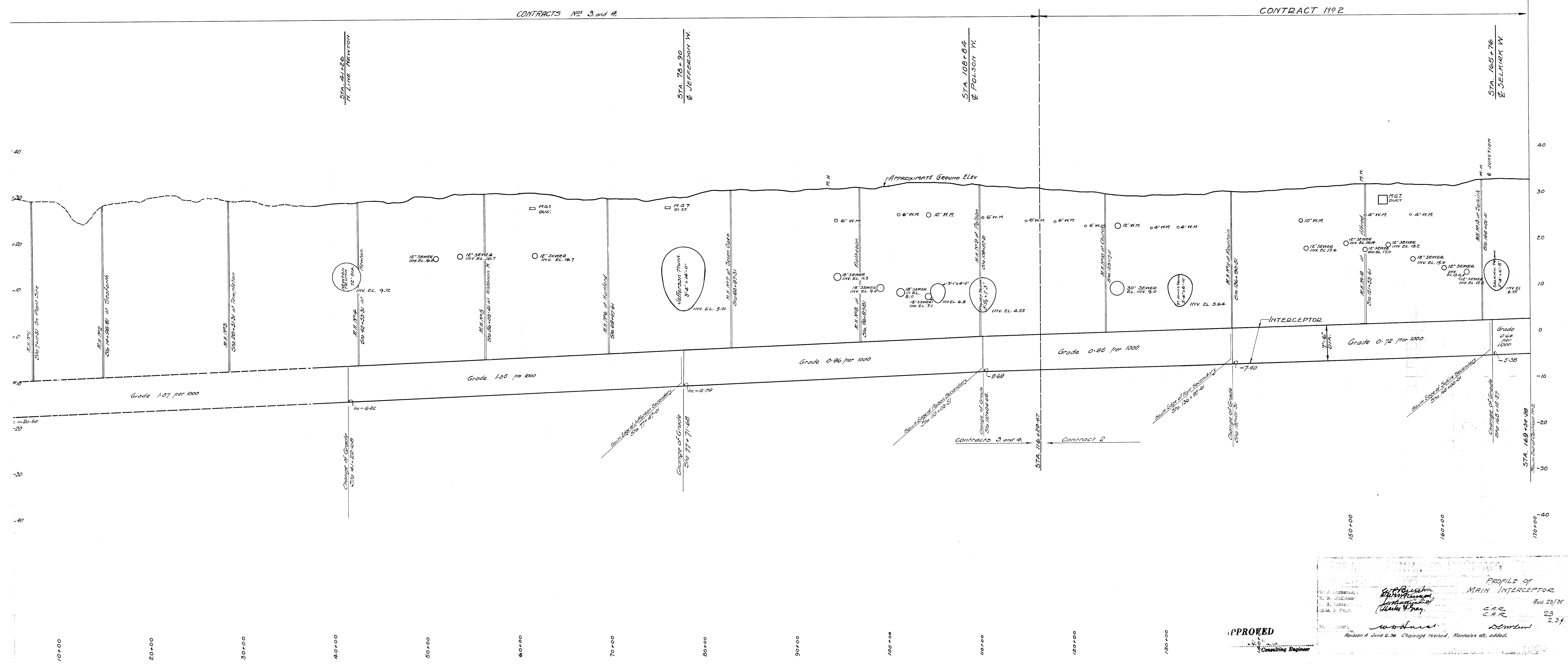
NOTE
One Station Marker required at each 500 feet interval on North or West interior wall of Interceptor. Elevation one foot above springing line.

GREATER WINNIPEG SANITARY DISTRICT			
PROJECT NO.	100-100-100	DATE	Aug 25, 1925
BY	J. S. A.	CHECKED BY	J. S. A.
DESIGNED BY	J. S. A.	APPROVED BY	J. S. A.
CONTRACT NO.	100-100-100	SCALE	1/2 in. = 1 Foot
TITLE MAIN INTERCEPTOR DETAILS OF ALTERNATE SEWER SECTION C-C			

23

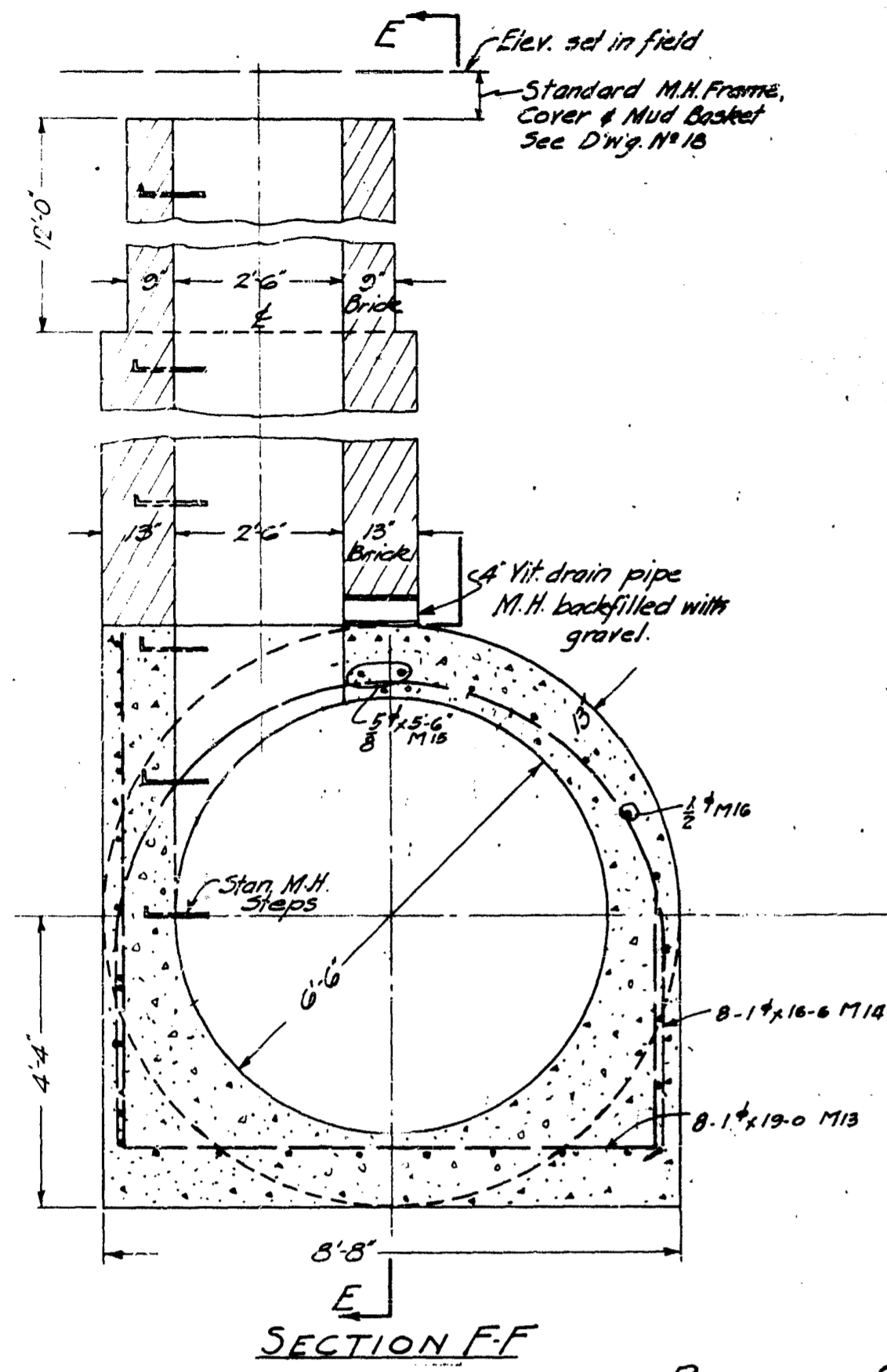
REF. or DRAWING NO.

DETAILS

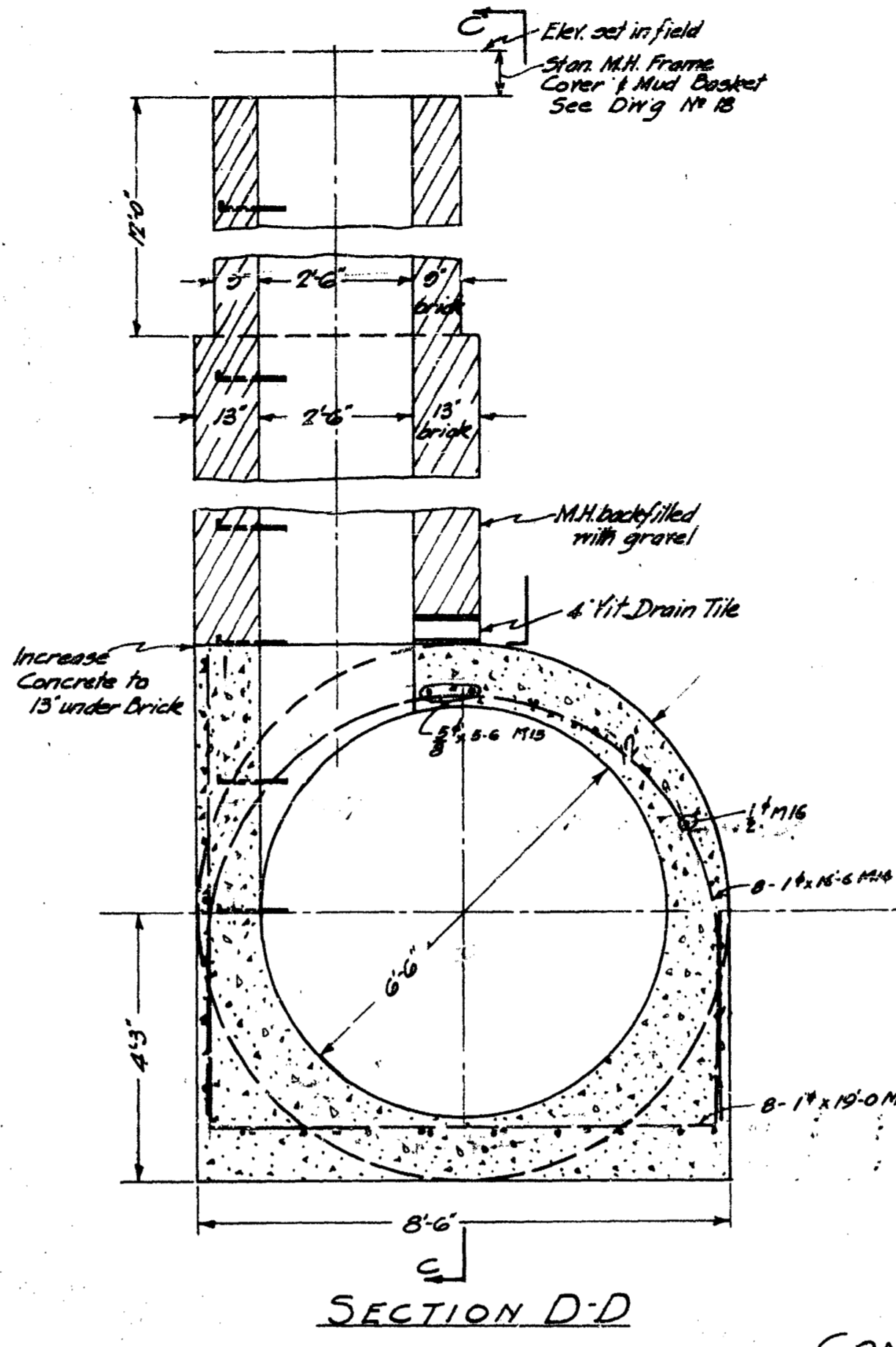
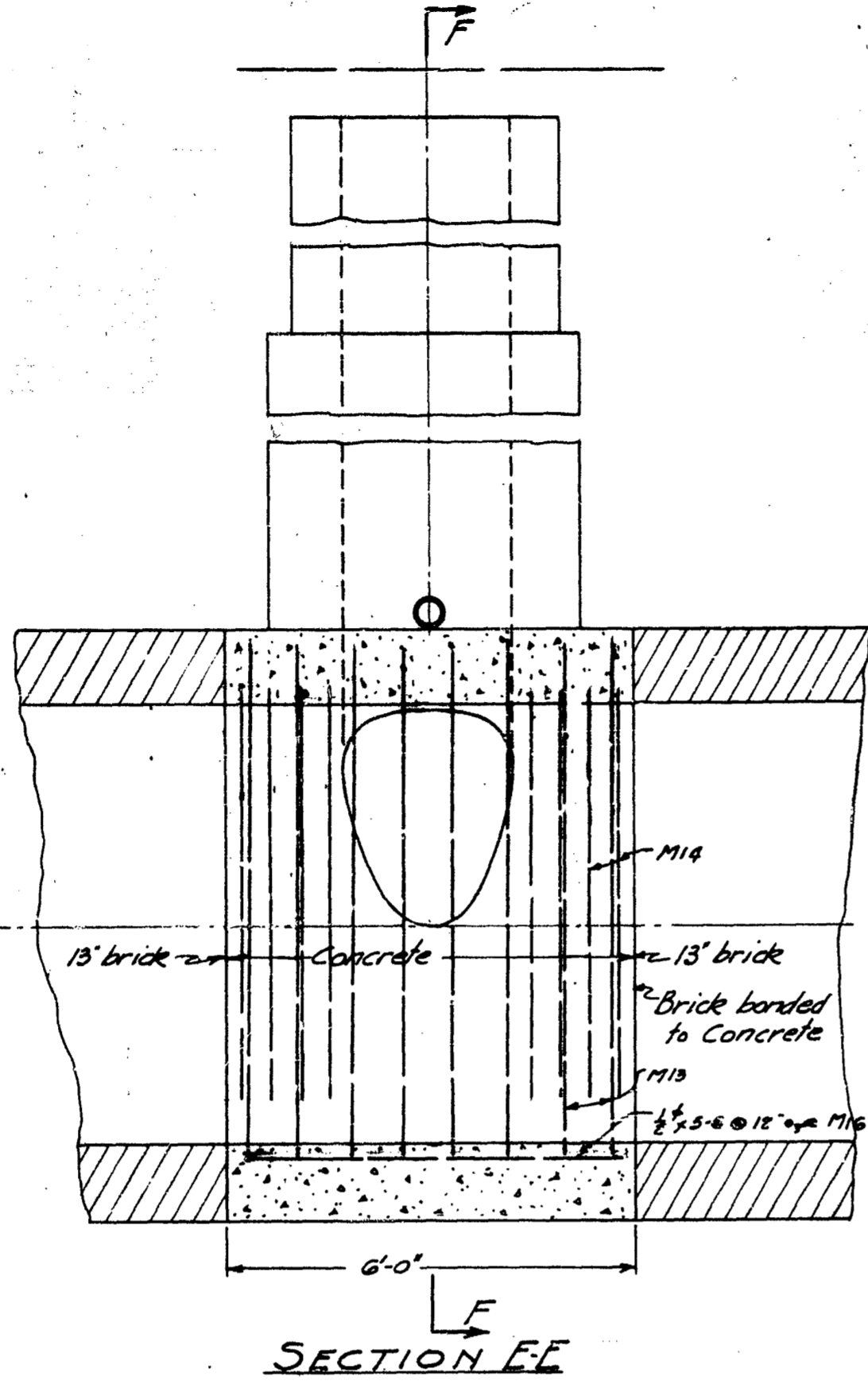


APPROVED
 Consulting Engineer

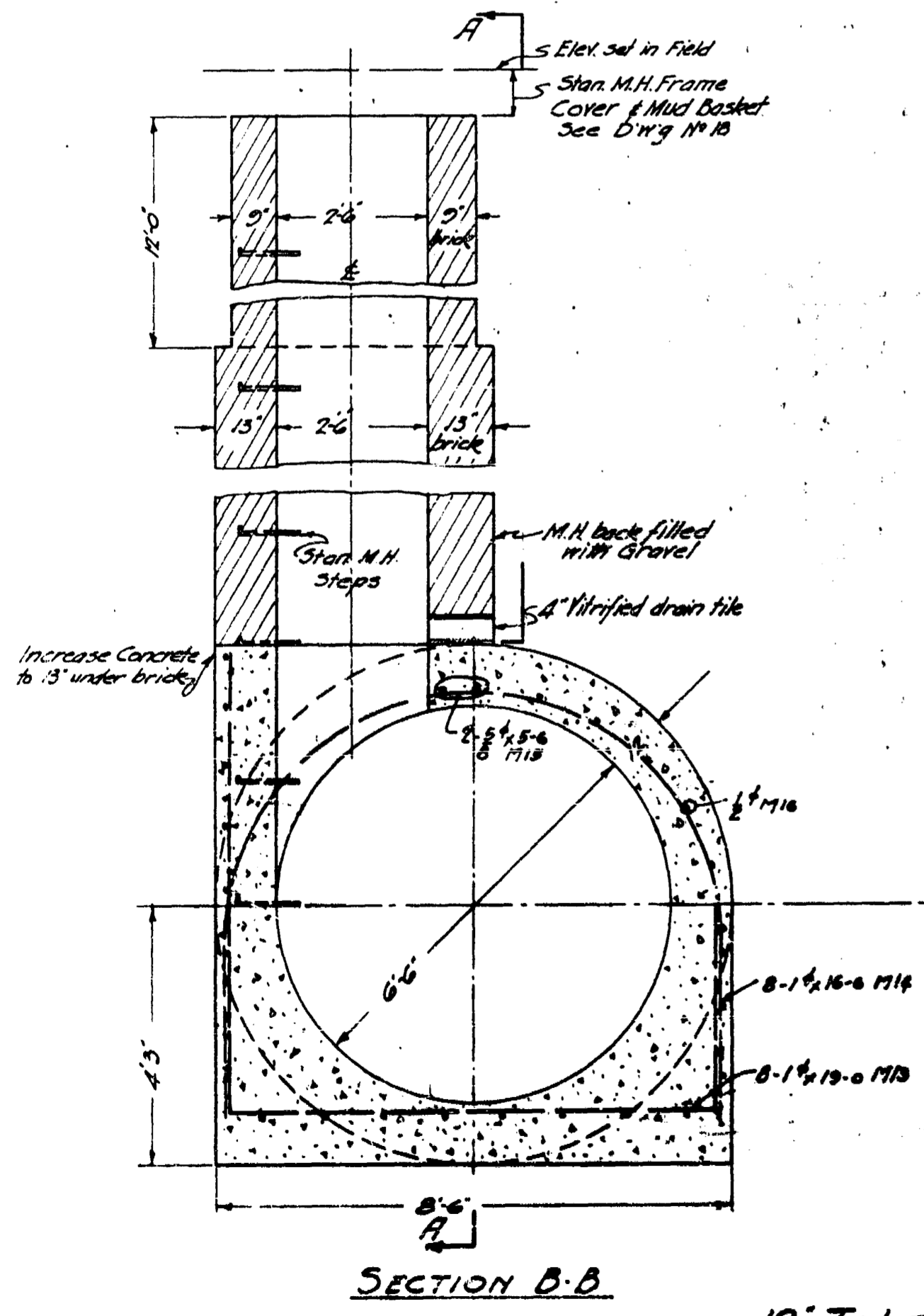
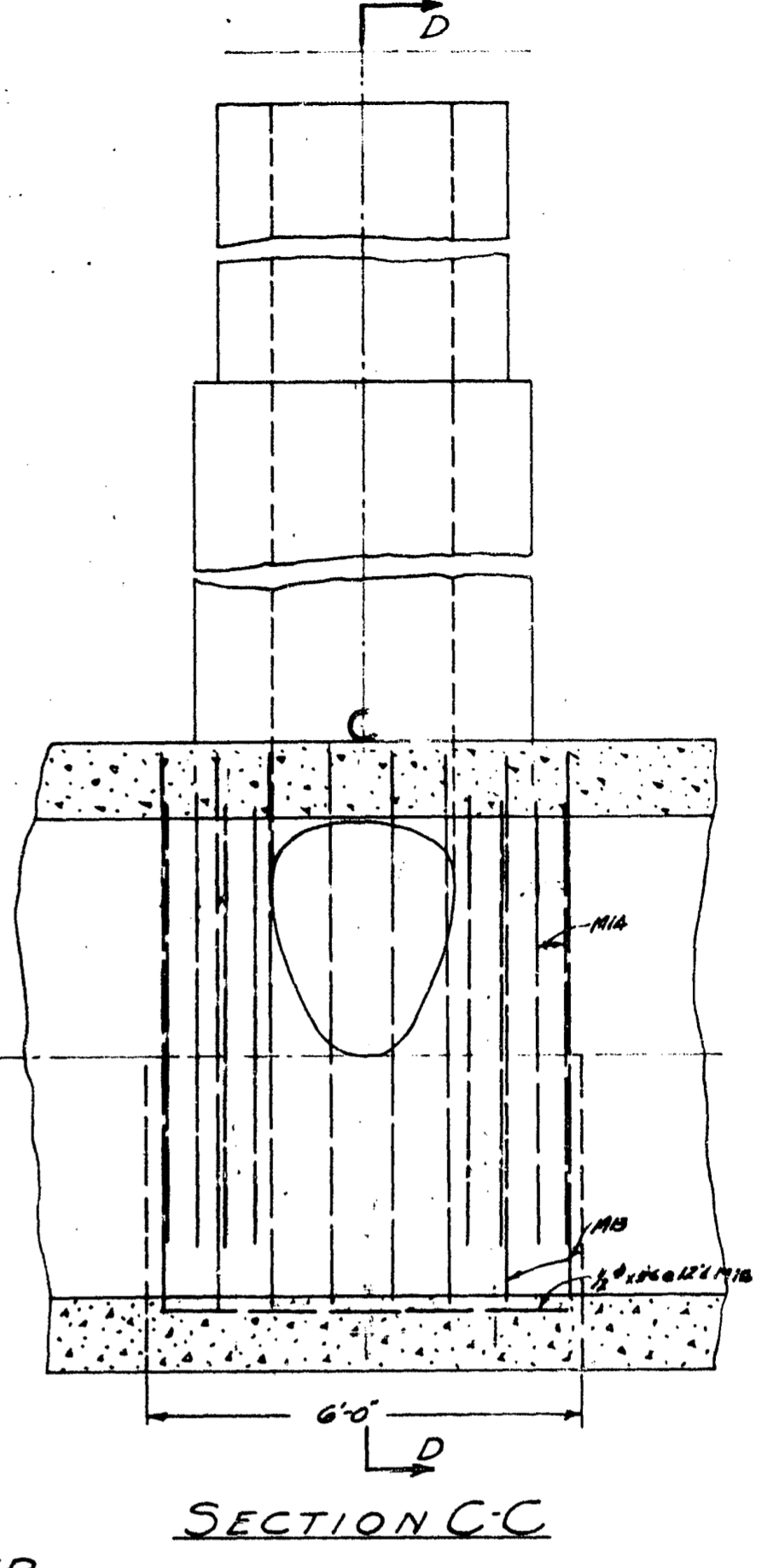
PROFILE OF MAIN INTERCEPTOR	
DATE: AUG 23/35	SCALE: 2.5'
Revision A June 2, 36 Change revised, Manholes etc. added.	



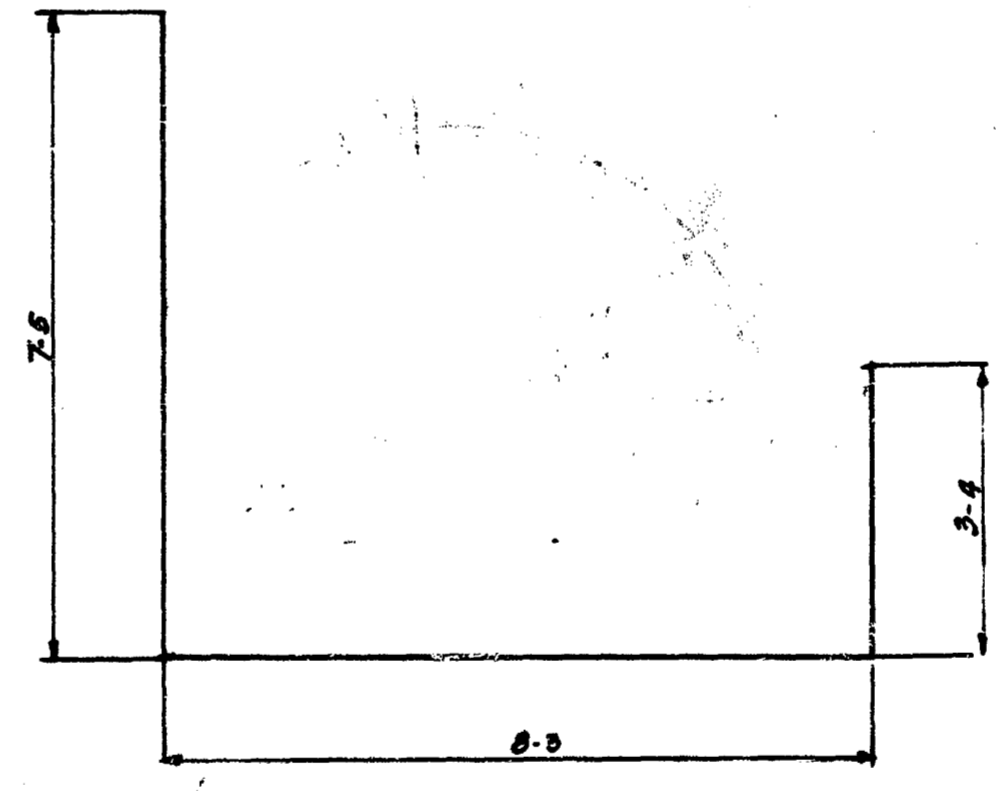
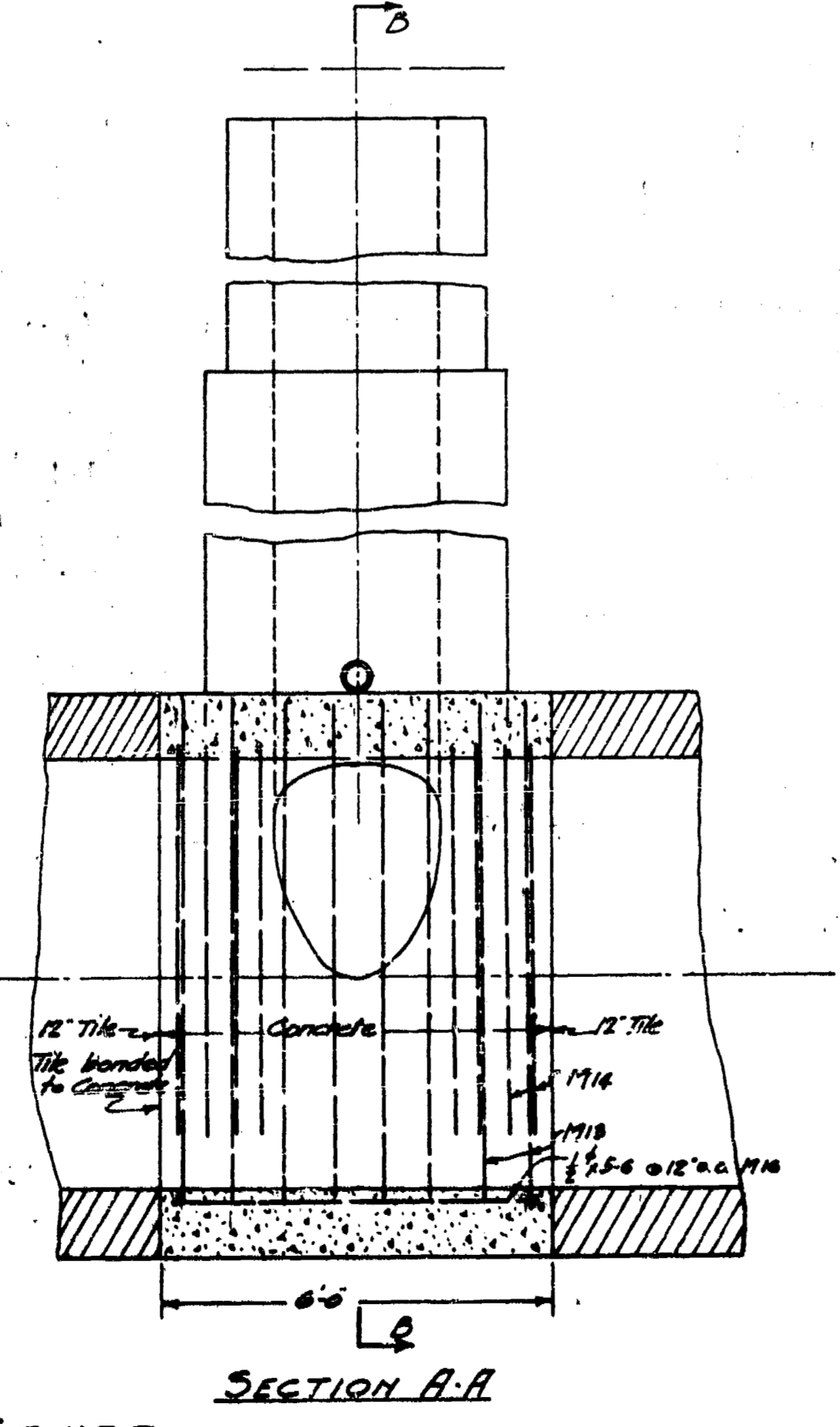
BRICK SEWER



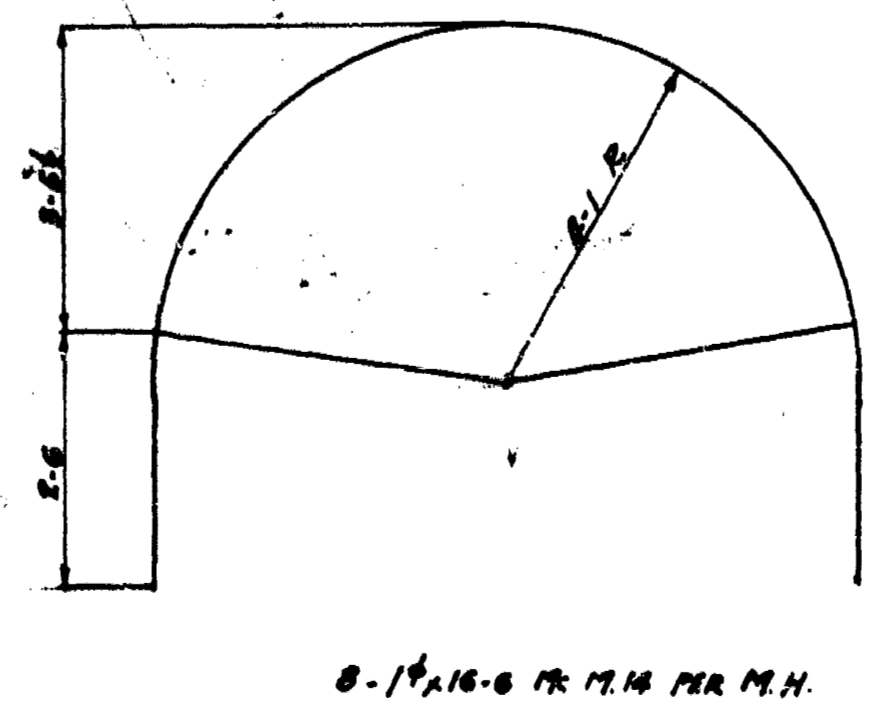
CONCRETE SEWER



12" TILE SEWER



8-1" x 19-0" M13 PER M.H.

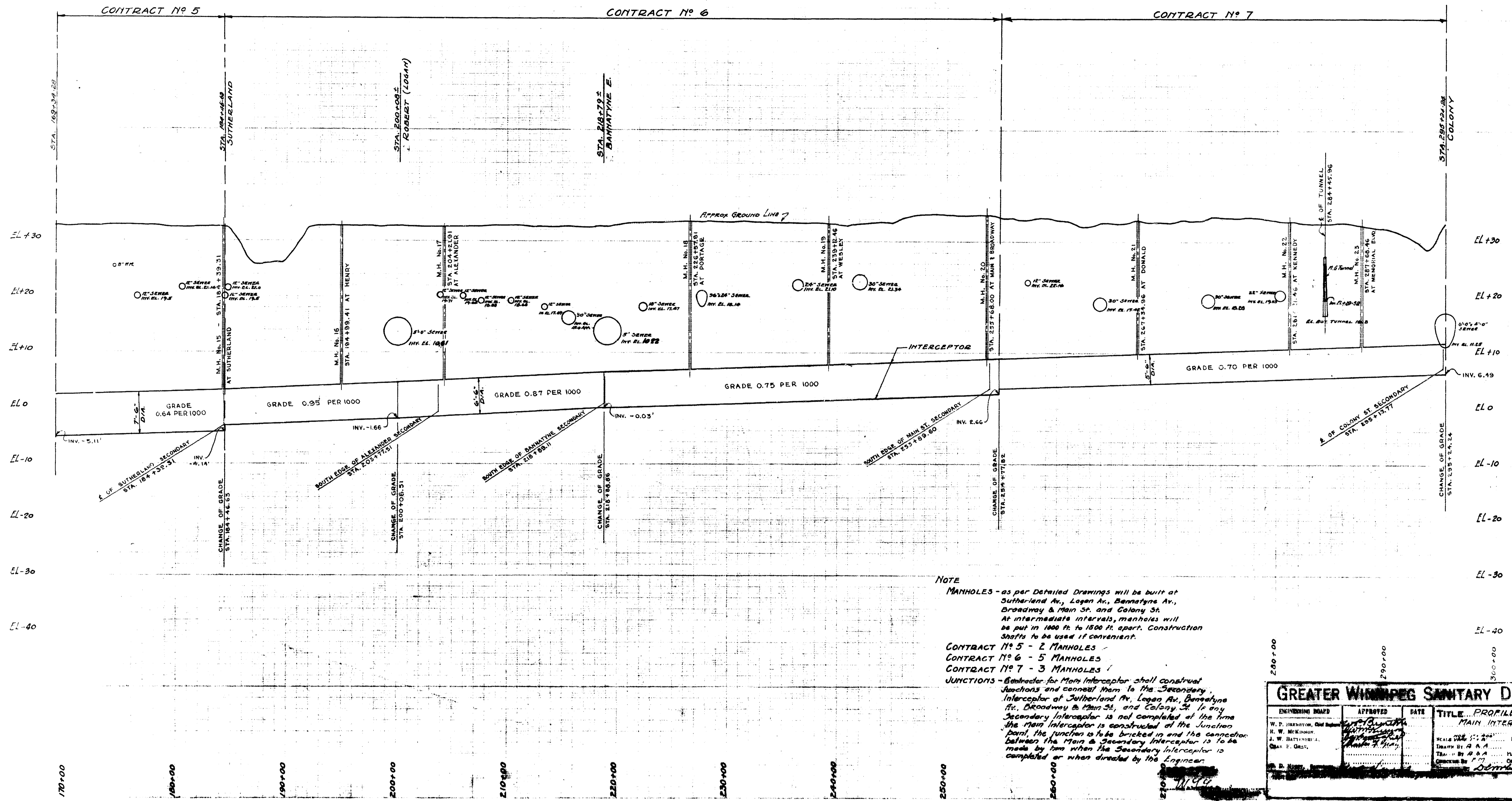


8-1" x 16-6" M14 PER M.H.

2-8" x 8-6" M13 PER M.H.

24-1/2" x 5-6" M16 PER M.H.

GREATER WINNIPEG SANITARY DISTRICT.
 MAIN INTERCEPTOR
 DETAILS OF ALTERNATIVE
 MANHOLES FOR 6'-0" DIA PIPE
 12'-0" HGT.
 J.C.D.
 L.M.
 S.A.
 28



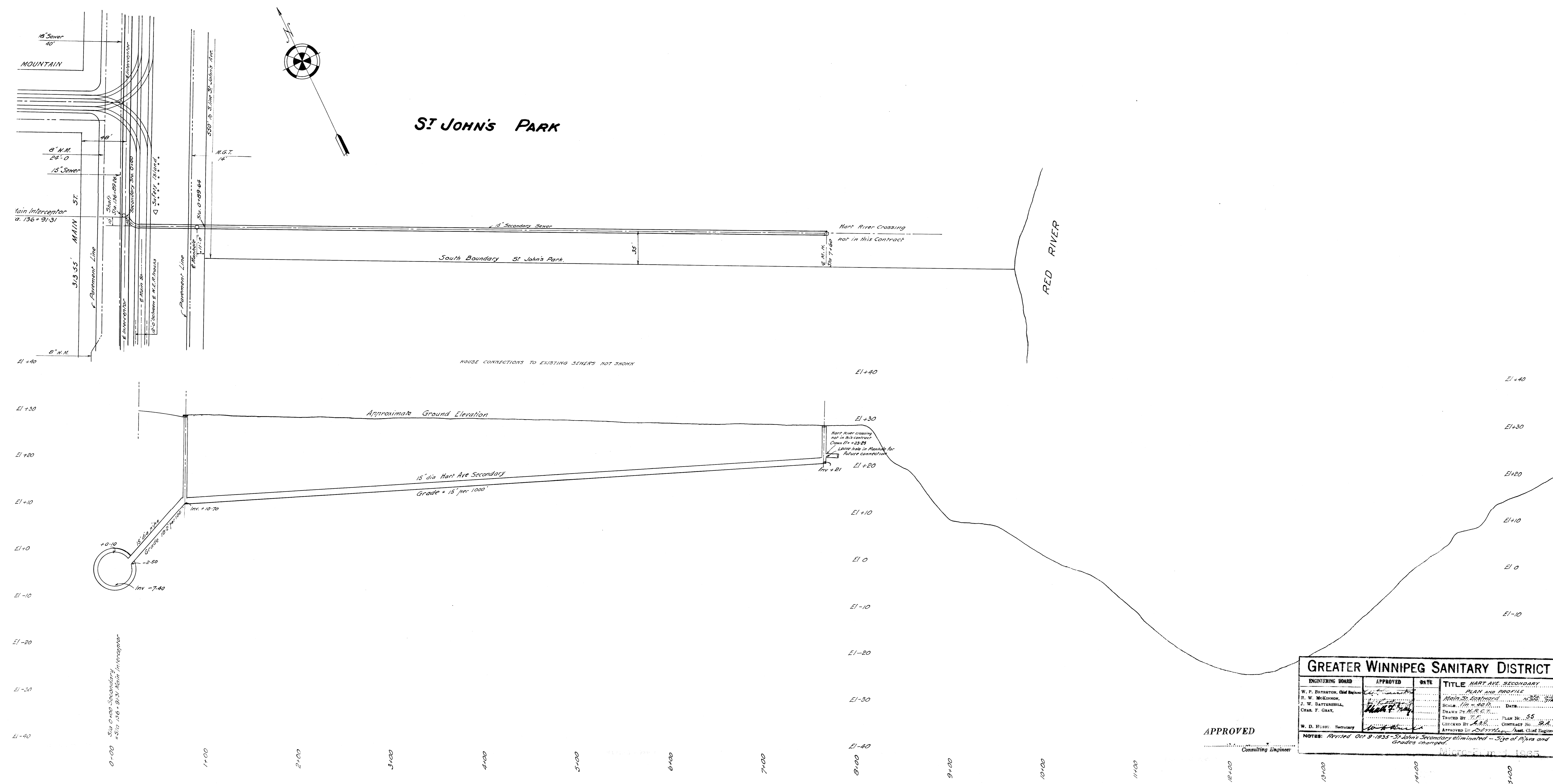
NOTE
MANHOLES - as per Detailed Drawings will be built at Sutherland Av., Logan Av., Bennetynne Av., Broadway & Main St. and Colony St. At intermediate intervals, manholes will be put in 1000 ft. to 1500 ft. apart. Construction shafts to be used if convenient.
CONTRACT NO. 5 - 2 MANHOLES
CONTRACT NO. 6 - 5 MANHOLES
CONTRACT NO. 7 - 3 MANHOLES
JUNCTIONS - Contractor for Main Interceptor shall construct Junctions and connect them to the Secondary Interceptor at Sutherland Av., Logan Av., Bennetynne Av., Broadway & Main St. and Colony St. In any Secondary Interceptor is not completed at the time the Main Interceptor is constructed at the Junction point, the junction to be bricked in and the connection between the Main & Secondary Interceptor is to be made by him when the Secondary Interceptor is completed or when directed by the Engineer.

GREATER WINNEPEG SANITARY DISTRICT			
ENGINEERING BOARD	APPROVED	DATE	TITLE
W. P. JEREMYON, Chief Engineer	<i>[Signature]</i>		PROFILE OF MAIN INTERCEPTOR
H. W. MCKINNON	<i>[Signature]</i>		
J. W. BATHURST	<i>[Signature]</i>		
Chas. E. GALT	<i>[Signature]</i>		
Scale 1" = 20'	Drawn by A. A. A.	Plan No. 29	Contract No. 3, 6 & 7

55

REF. or DRAWING No.

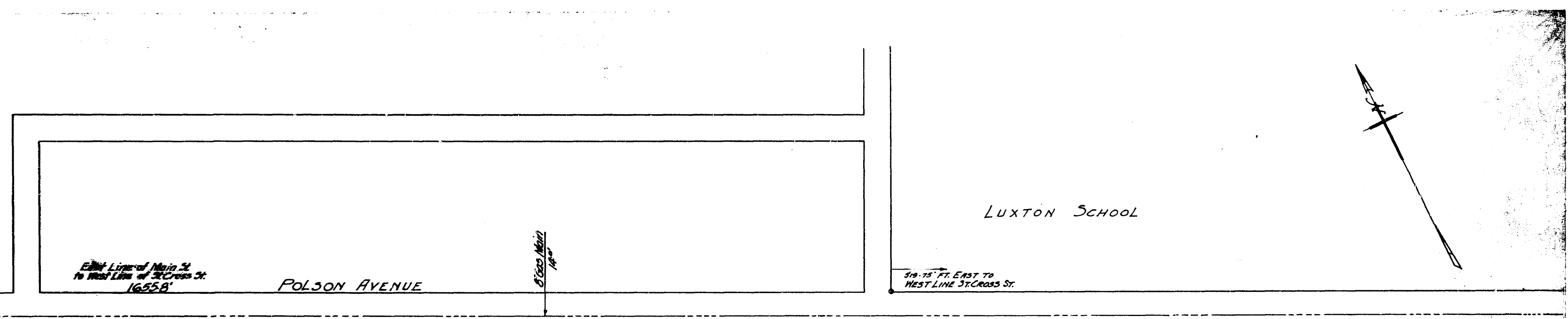
DETAILS



APPROVED

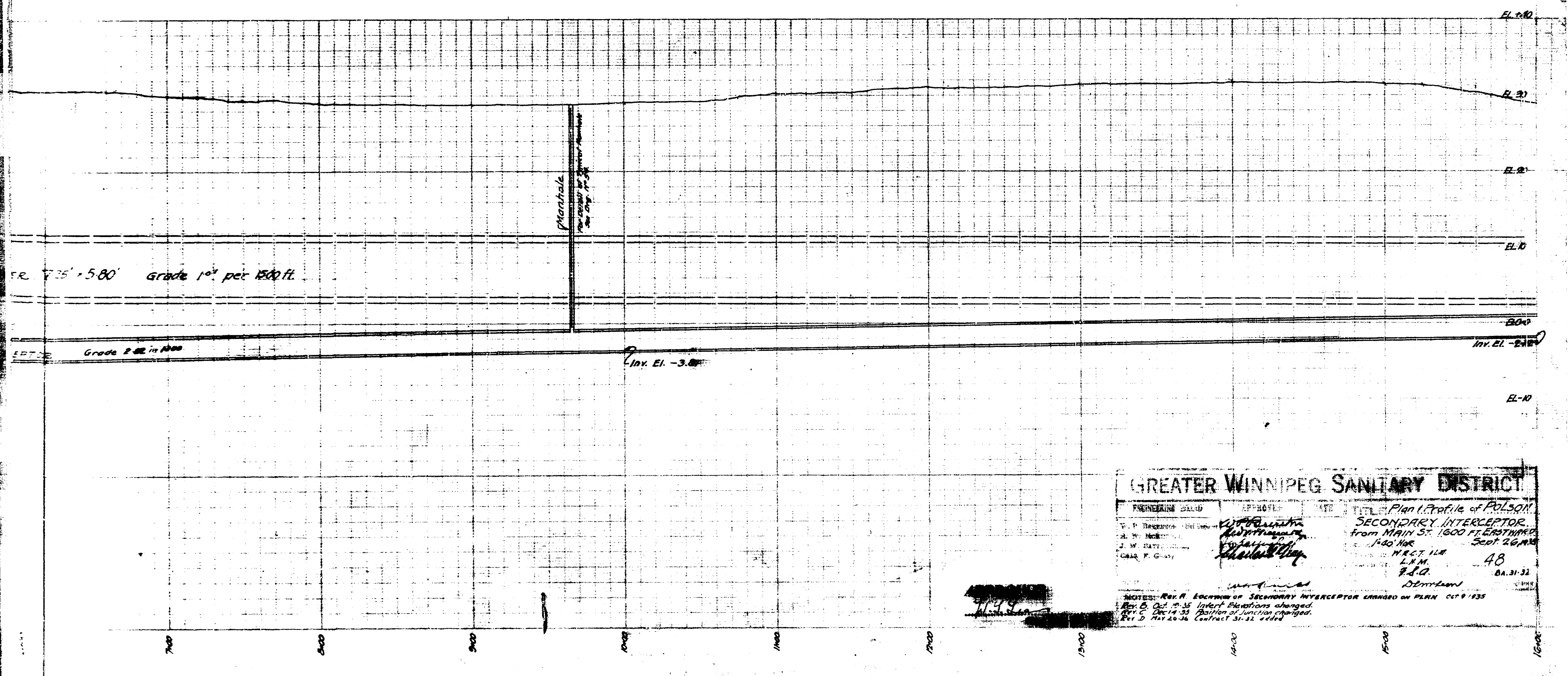
GREATER WINNIPEG SANITARY DISTRICT			
ENGINEERING BOARD	APPROVED	DATE	TITLE
W. F. ESTERLYON, Chief Engineer	<i>[Signature]</i>		HART AVE. SECONDARY
D. W. MCKINNON	<i>[Signature]</i>		PLAN AND PROFILE
J. W. BATTERSBILL	<i>[Signature]</i>		1/16" = 1'-0"
CHAR. F. GRAY	<i>[Signature]</i>		SCALE: 1/16" = 1'-0"
W. D. FERRY, Secretary	<i>[Signature]</i>		DATE: 10/9/55
			TRACED BY: <i>[Signature]</i> PLAN No. 55
			CHECKED BY: <i>[Signature]</i> CONTRACT No. S.A.
			APPROVED BY: <i>[Signature]</i> ASST. CHIEF ENGINEER

NOTES: Revised Oct. 9-1955 - St. John's Secondary eliminated - Size of Pipes and Grades changed.



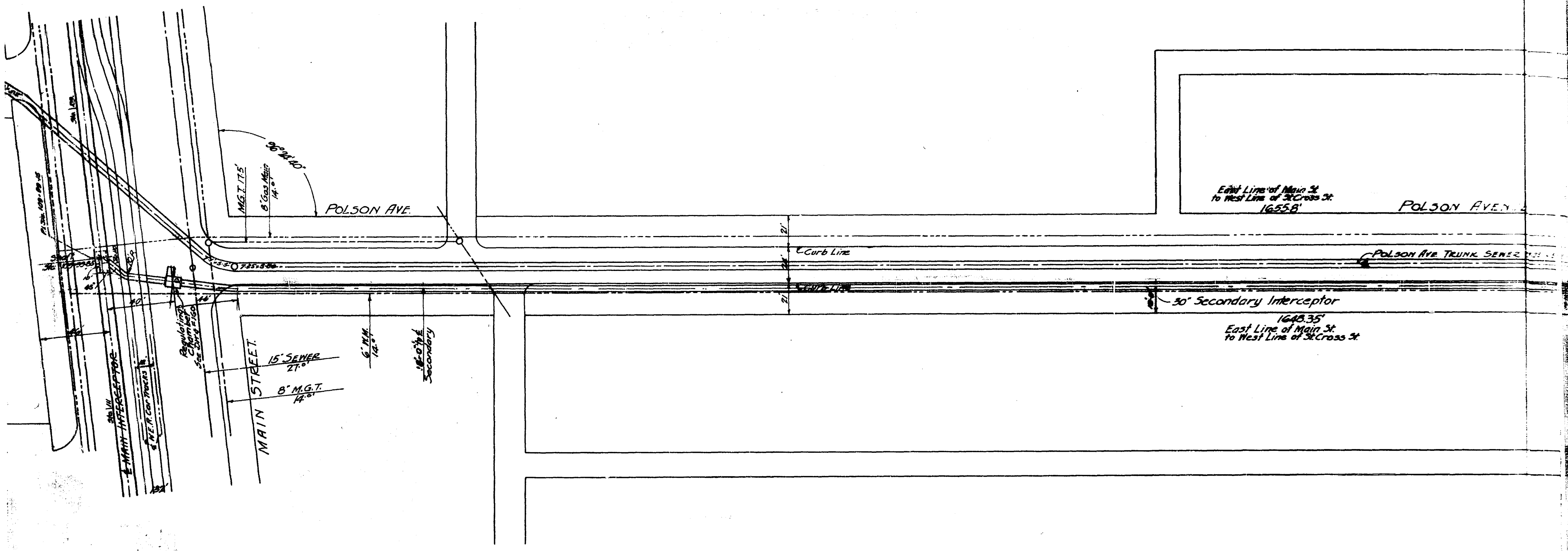
Legend
 Sewer & _____
 Water Main & _____
 Man. Gov't. Tel. & _____
 Gas Main & _____

NOTE:
 House connections to existing sewer not shown

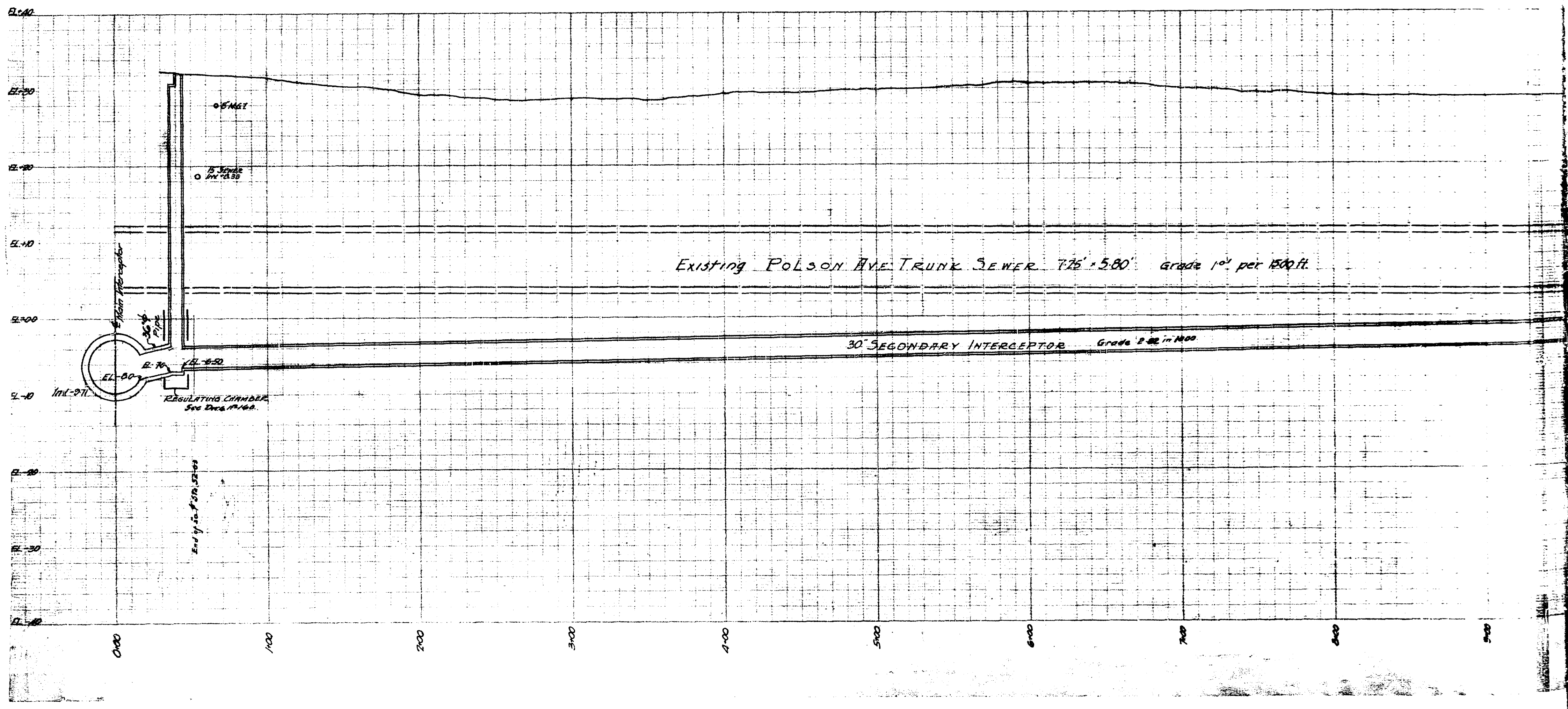


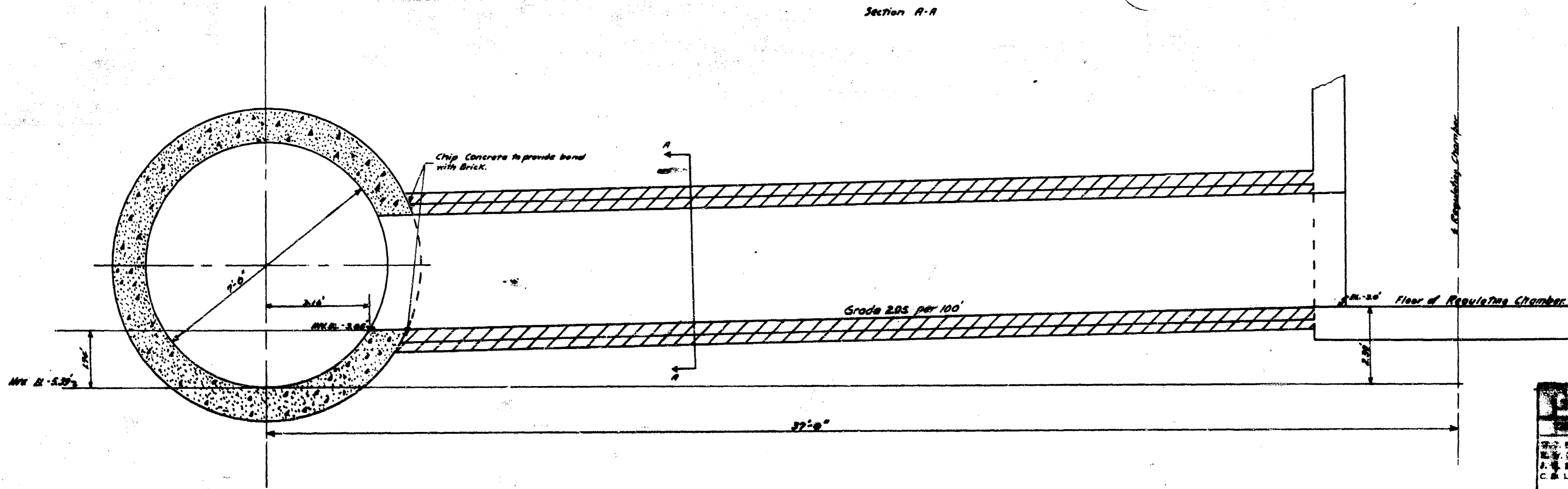
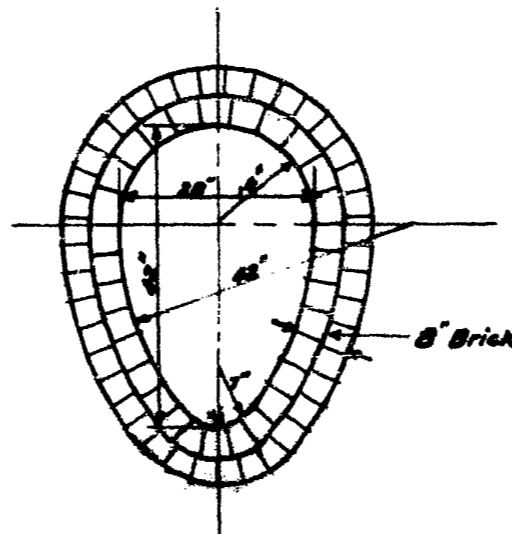
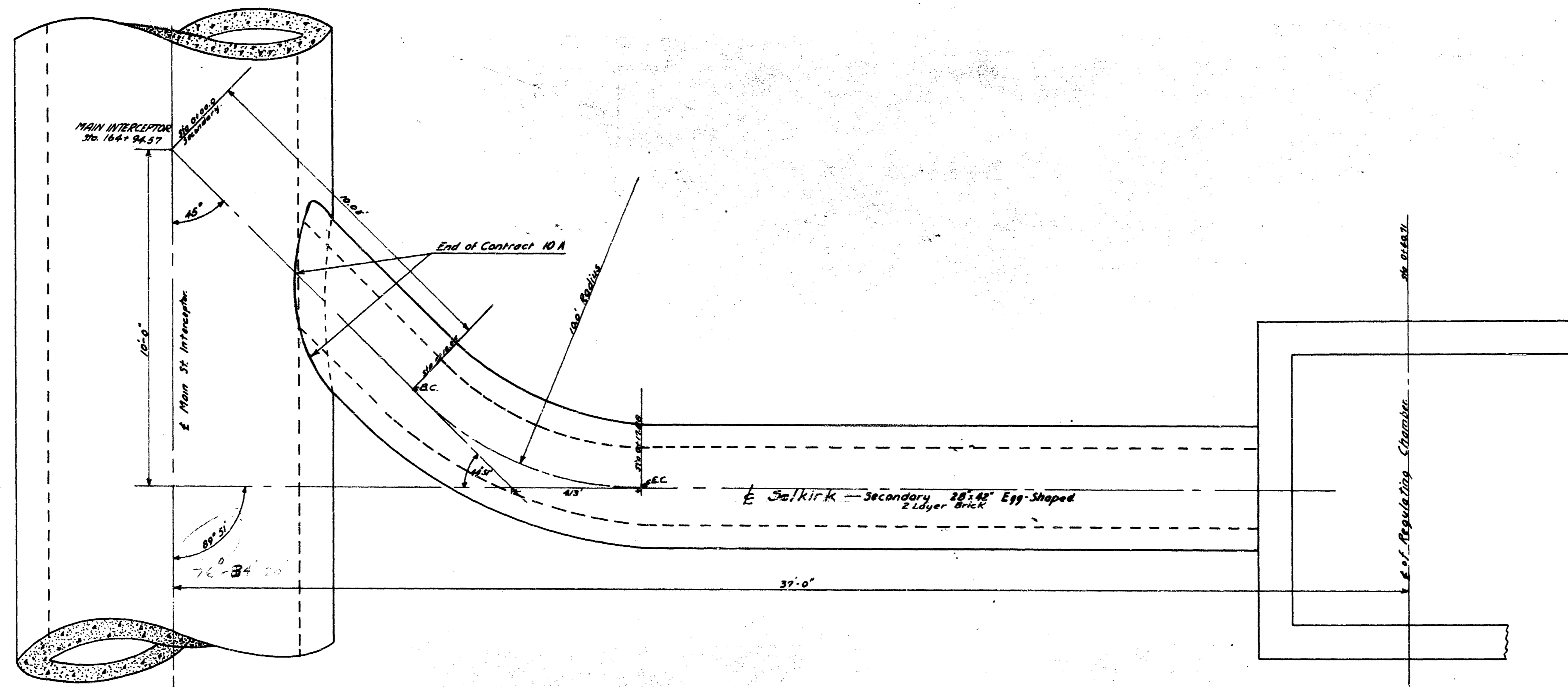
GREATER WINNIPEG SANITARY DISTRICT			
PREPARED BY	APPROVED	DATE	PLAN
V. P. Registrar	<i>[Signature]</i>		Plan 1 Profile of POLSON
A. W. Registrar	<i>[Signature]</i>		SECONDARY INTERCEPTOR
C. W. Registrar	<i>[Signature]</i>		from MAIN ST. 1600 FT. EASTWARD
CHIEF ENGINEER	<i>[Signature]</i>		1.40' DIA. 48
			MAN. 48
			84.31.32
			D. M. L. 48
			84.31.32

NOTES:
 1. See P. 1. SECTION OF SECONDARY INTERCEPTOR CHANGED ON PLAN C-19-135
 2. Oct. 19-35 Invert Elevations changed.
 3. Dec. 14-35 Pattern of Junction changed.
 4. 12' dia. 48" Contract 31-22 added.

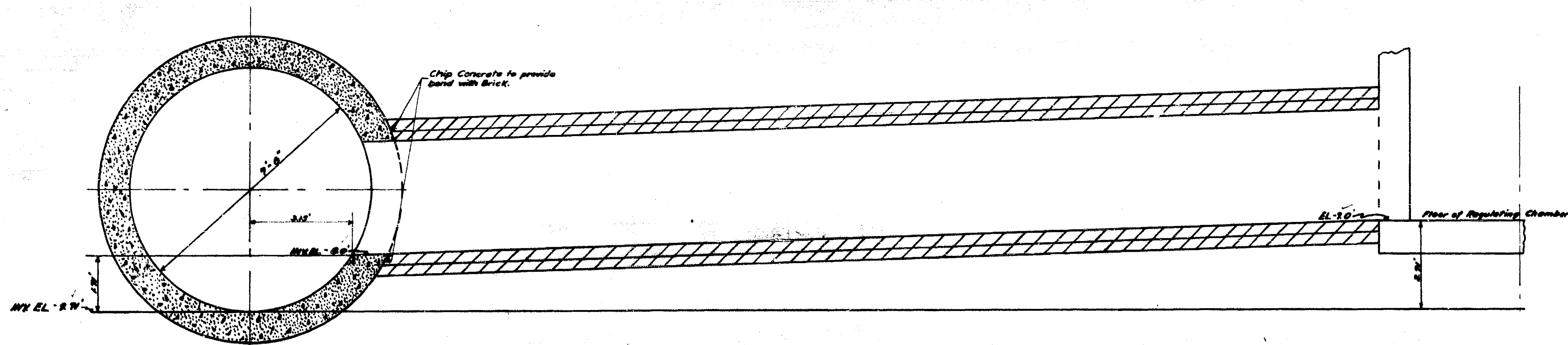
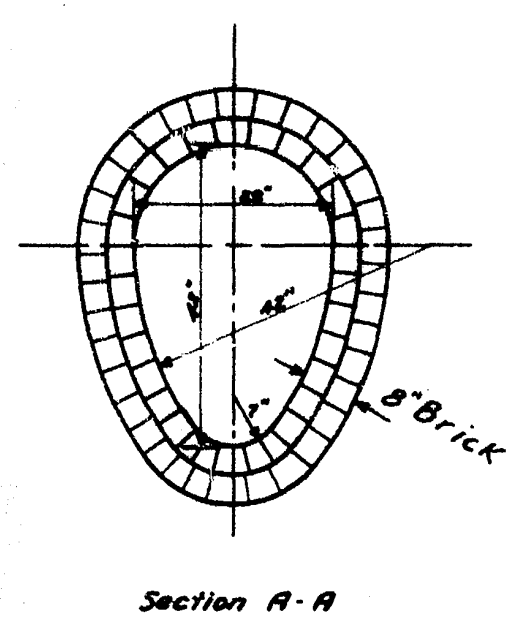
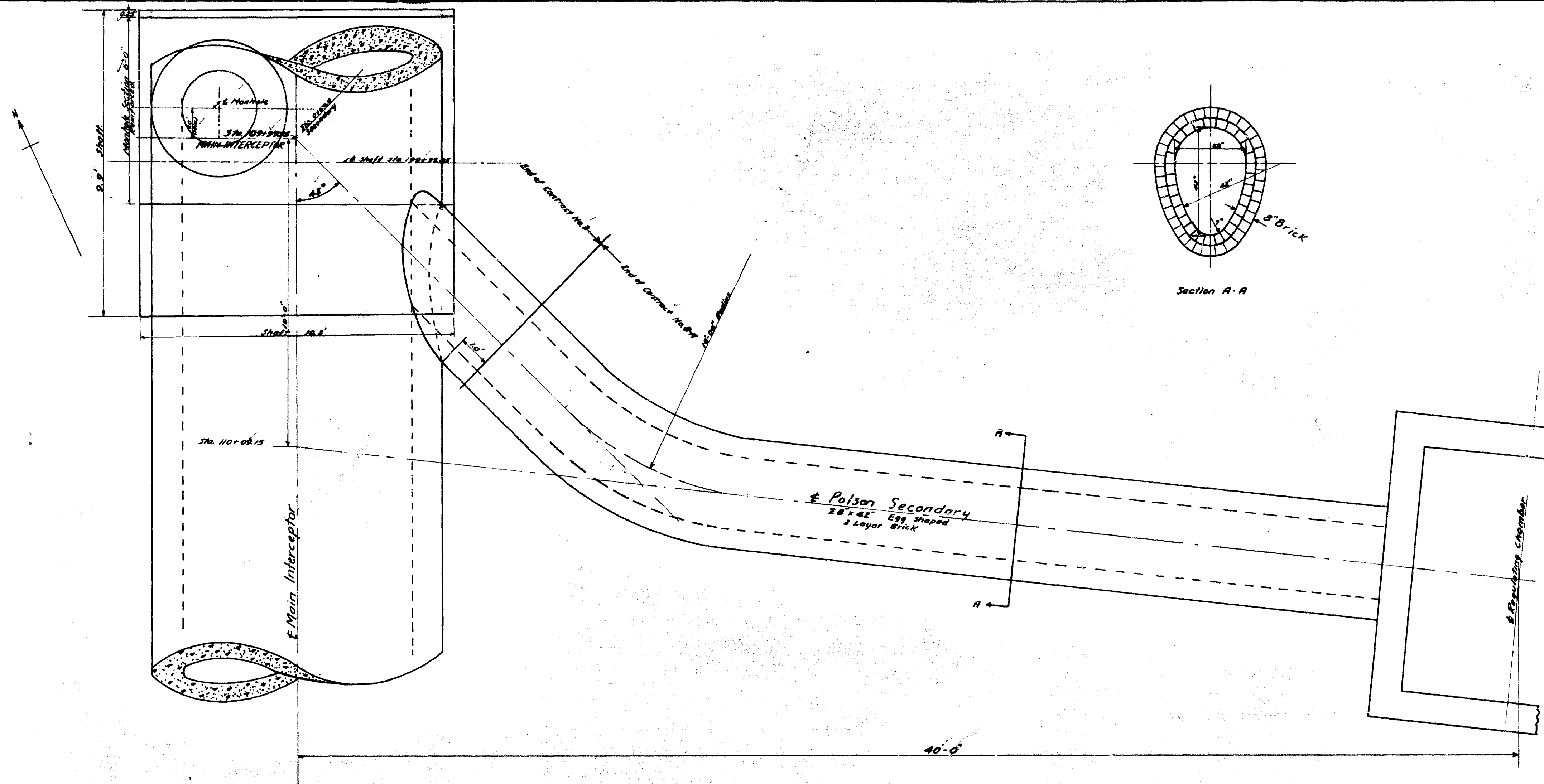


NOTE:
House connections to existing sewer not shown.



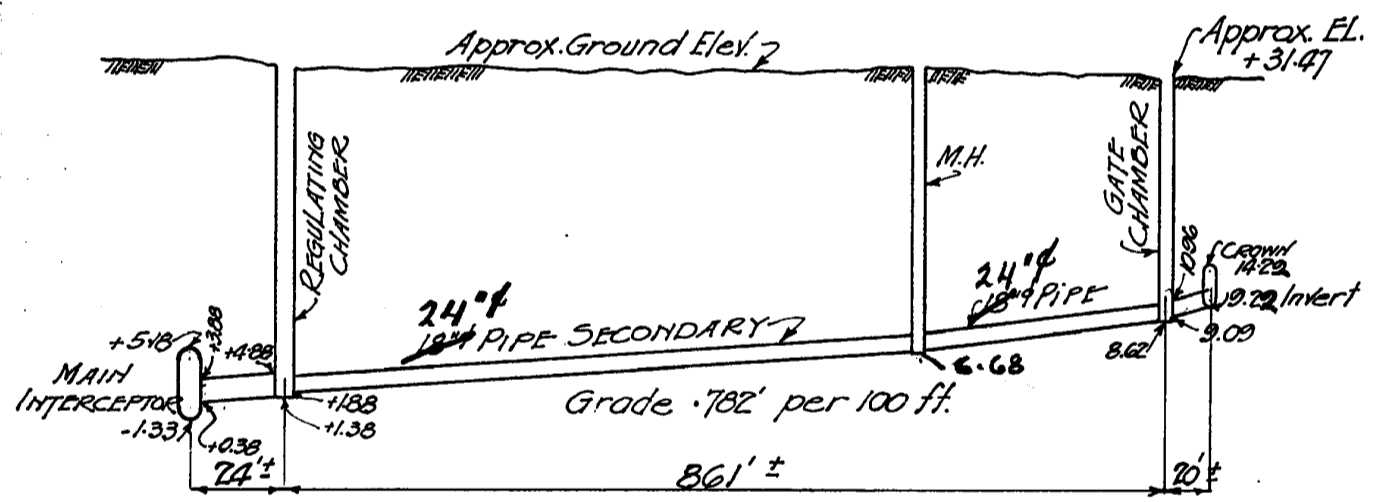
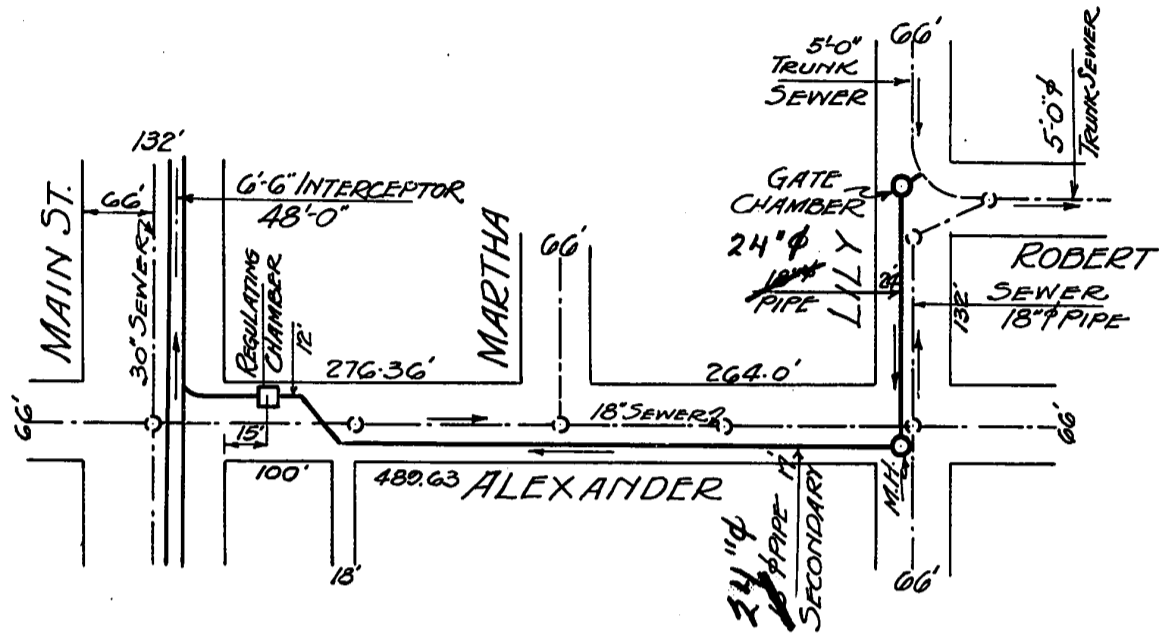


GREATER WINNIPEG SANITARY DISTRICT			
PROJECT NO.	17785	DIST.	1717
TITLE	MAIN INTERCEPTOR		
DESIGNED BY	JUNCTION AT		
CHECKED BY	SELKIRK SECONDARY		
DATE	1917		
DESIGNED BY	C. E. LANGEN		
CHECKED BY	G. H. B. S.		
DATE	1917		
PROJECT NO.	17785		
DIST.	1717		



GREATER WINNIPEG SANITARY DISTRICT	
ENGINEER BOARD T. HERBERT R. W. MURPHY D. L. LAMBSON	11" Main Interceptor ANCHORAGE POLSON SECONDARY Date Oct 3 1935 PLAN No. 38 Drawing No. 0

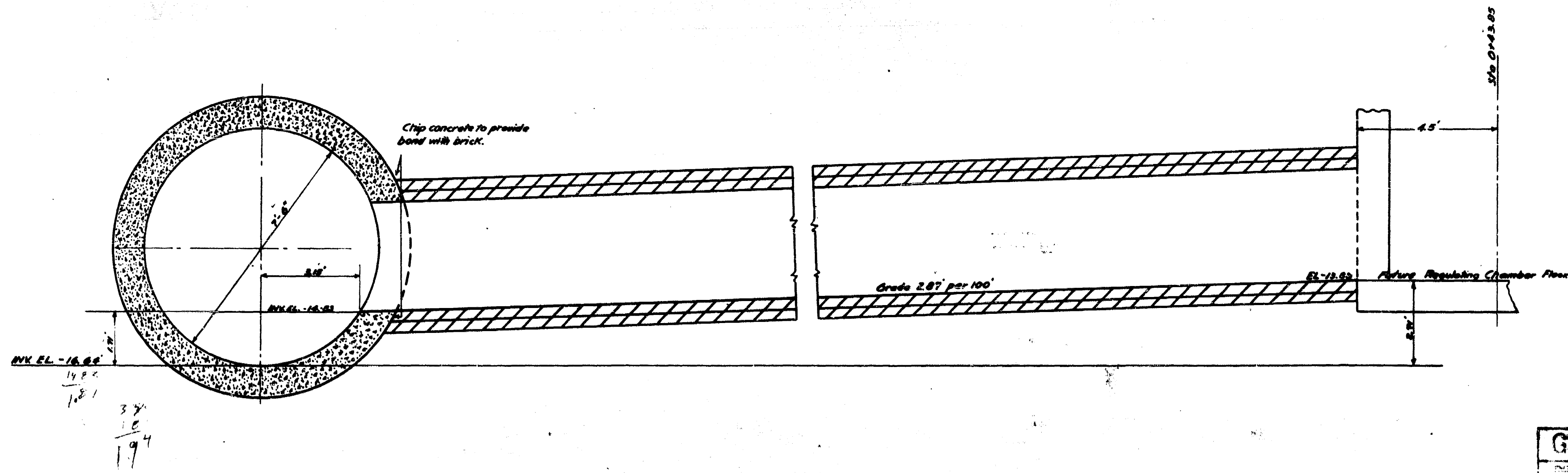
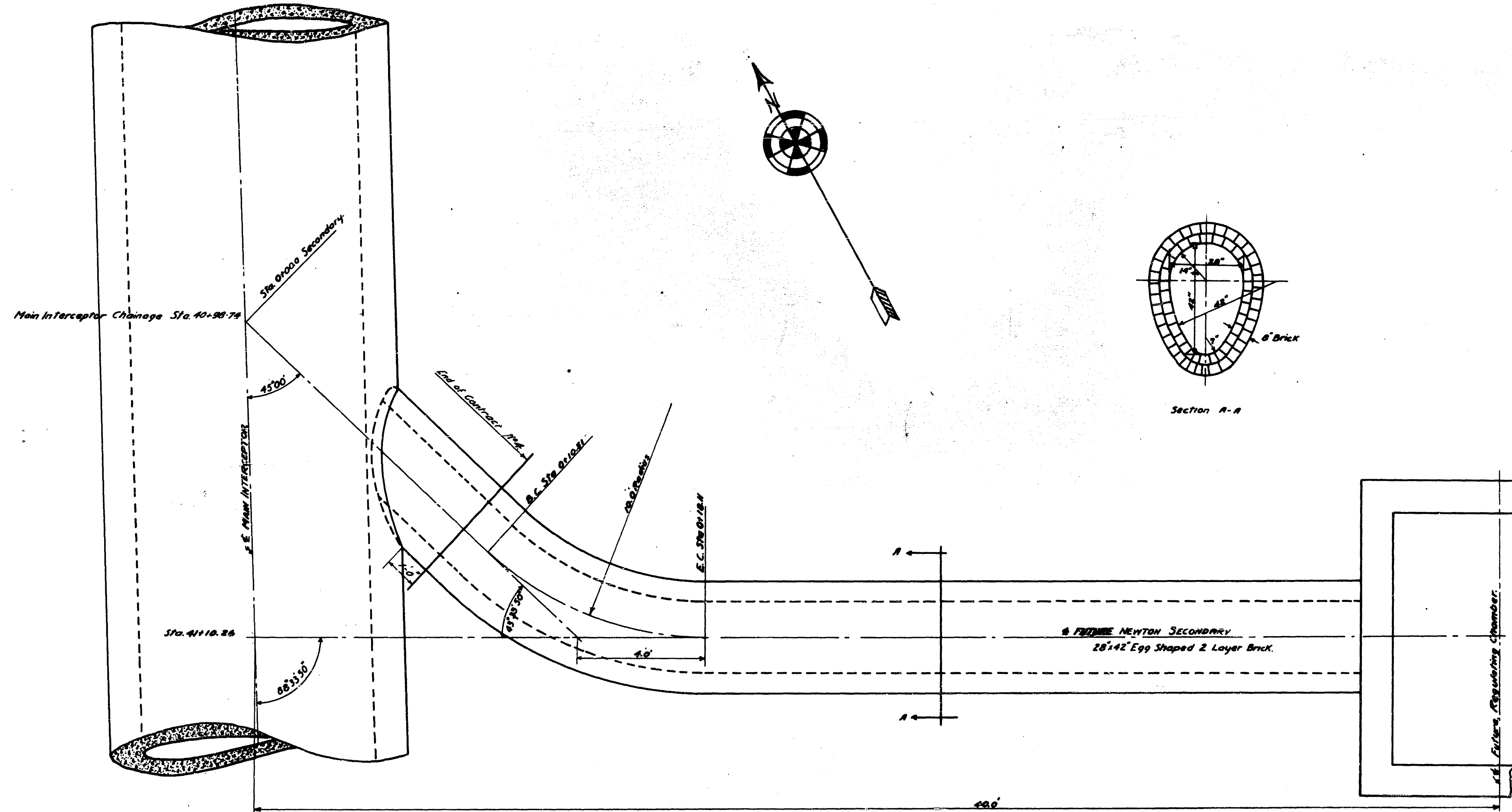
	POPULATION	M.G.P.D. (U.S.) 90 g.p.c.p.d.	M.G.P.D. (U.S.) 247.5 g.p.c.p.d.
PRESENT	9,028	0.812	2.23
ULTIMATE	17,800	1.062	4.41



H.G. in SEC. of ROBERT TRUNK	H.G. in INTERCEPTOR	HEAD	DISTANCE in FT.	TOTAL HEAD less hv & Entry loss H=1.5	HEAD PER 1000 FT.	M.G.P.D. (U.S.) C-110 (20" PIPE)
AT CROWN +14.29	CROWN +5.17	9.12	905±	7.62	8.42	Q.8.9 v=6.2
CROWN 20" PIPE +10.96	CROWN +5.17	5.79	885±	4.29	4.74	Q.6.5 v=4.6
CROWN 20" PIPE +10.96	CROWN 28" 42' +3.88	7.08	885±	5.58	6.17	Q.7.5 v=5.3
CROWN 18" PIPE +10.79	CROWN +5.17	5.62	905±	4.12	4.55	Q.4.8 v=4.2

NOTE:
24" PIPE IS SHOWN ON PLAN

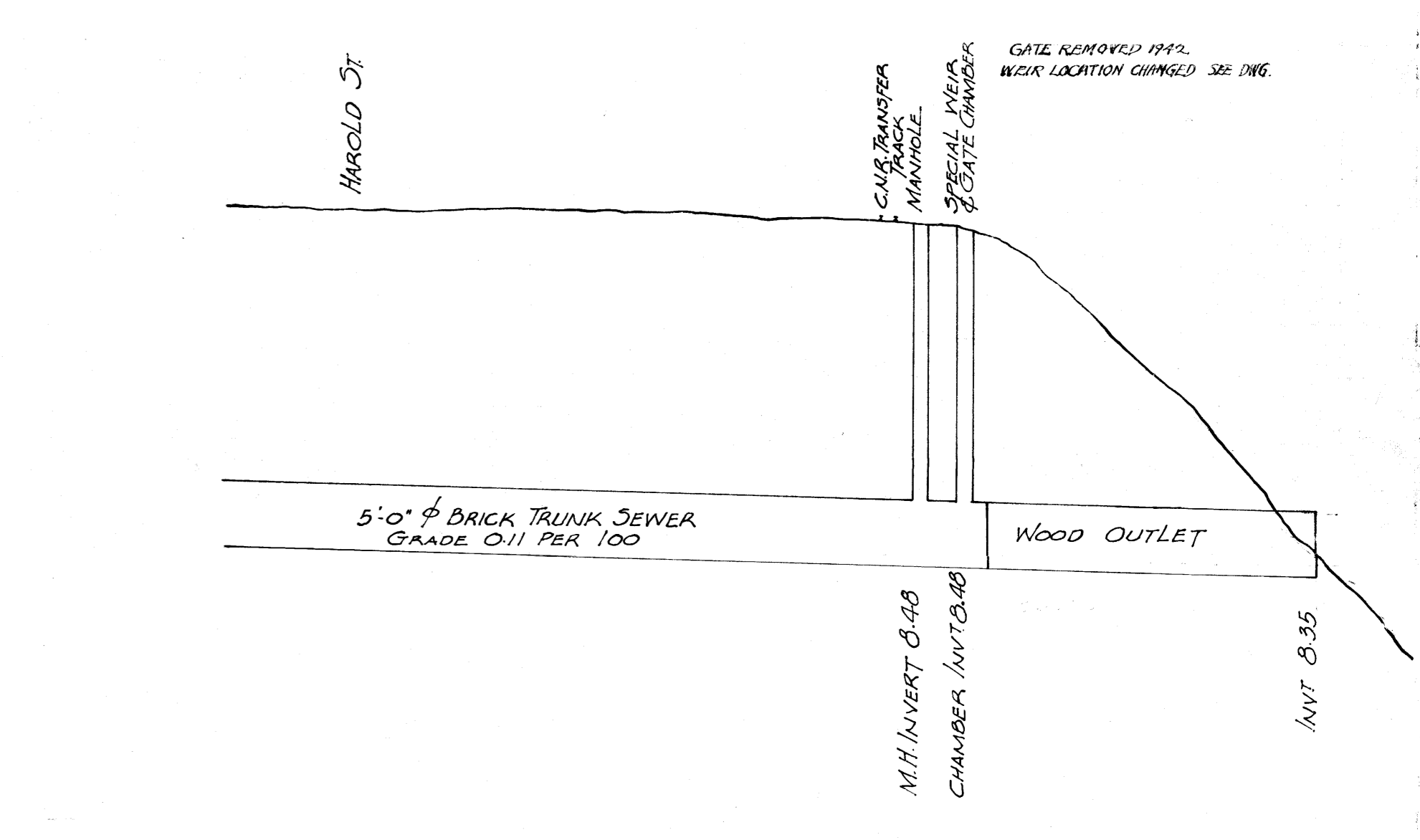
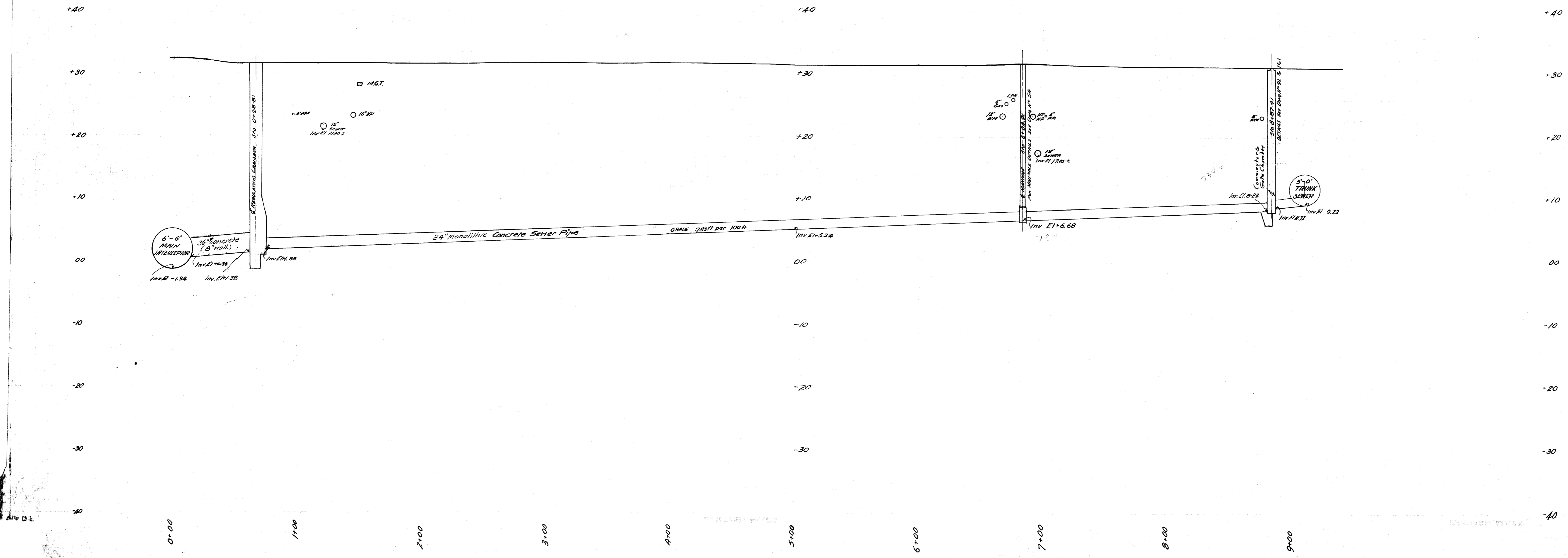
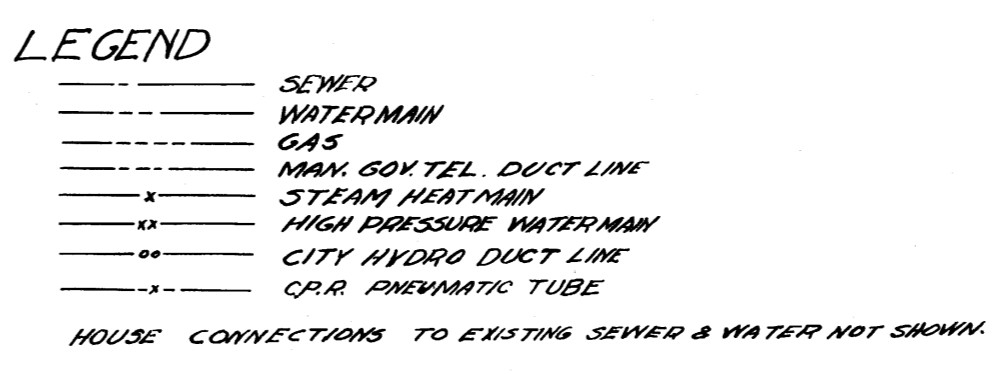
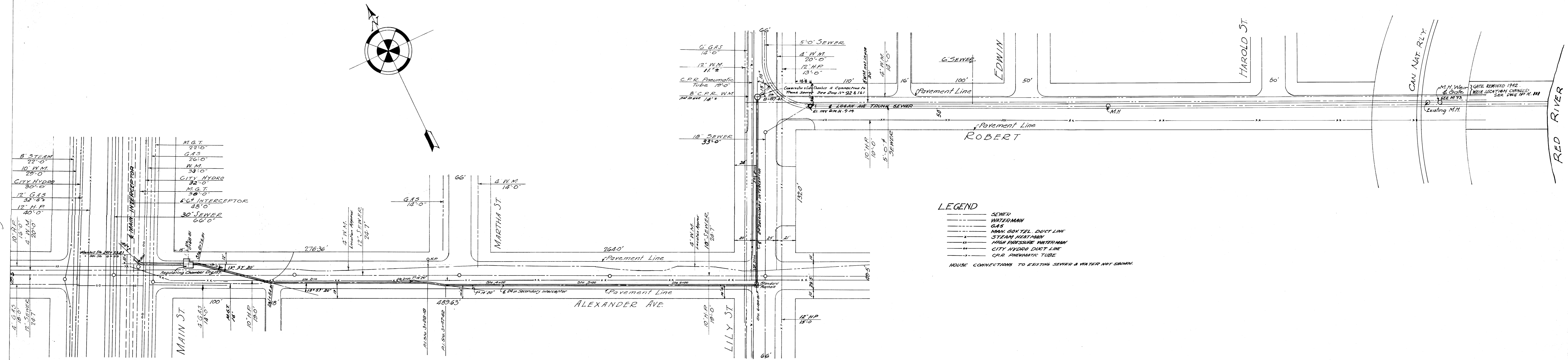
GREATER WINNIPEG SANITARY DISTRICT
 DESIGN OF
 ALEXANDER SECONDARY
 Computed by J.B.S.
 Drawn by L.H.M.
 Checked by _____
 Dr'g N° D35 April 8, 1936



GREATER WINNIPEG SANITARY DISTRICT			
ENGINEER	DATE	TITLE MAIN INTERCEPTOR JUNCTION AT NEWTON SECONDARY	
W. P. LONDON	OCT. 25 1935	Scale 1" = 1'-0"	
C. O. LONDON		Drawn by L.R.M.	
		Checked by L.R.M.	
		Contract No. 71	
		Approved by C. O. LONDON	

91
 REF. OF DRAWING No.
 DETAILS

July # 10 1935
 SS 1015



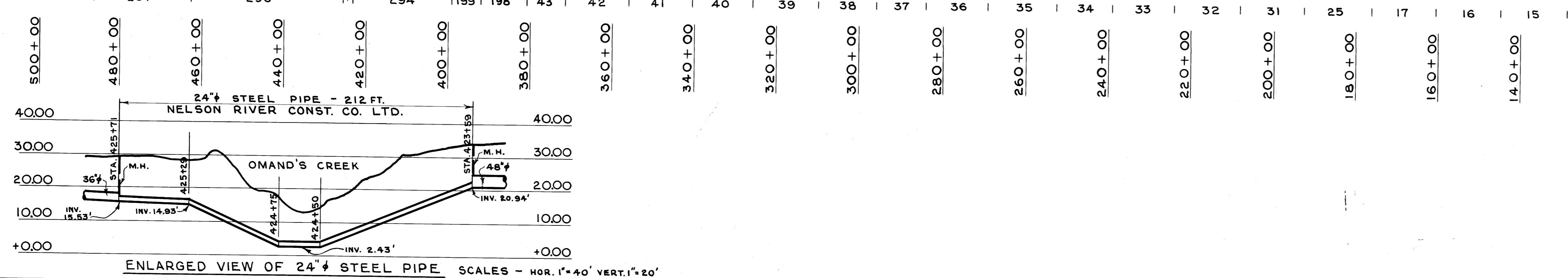
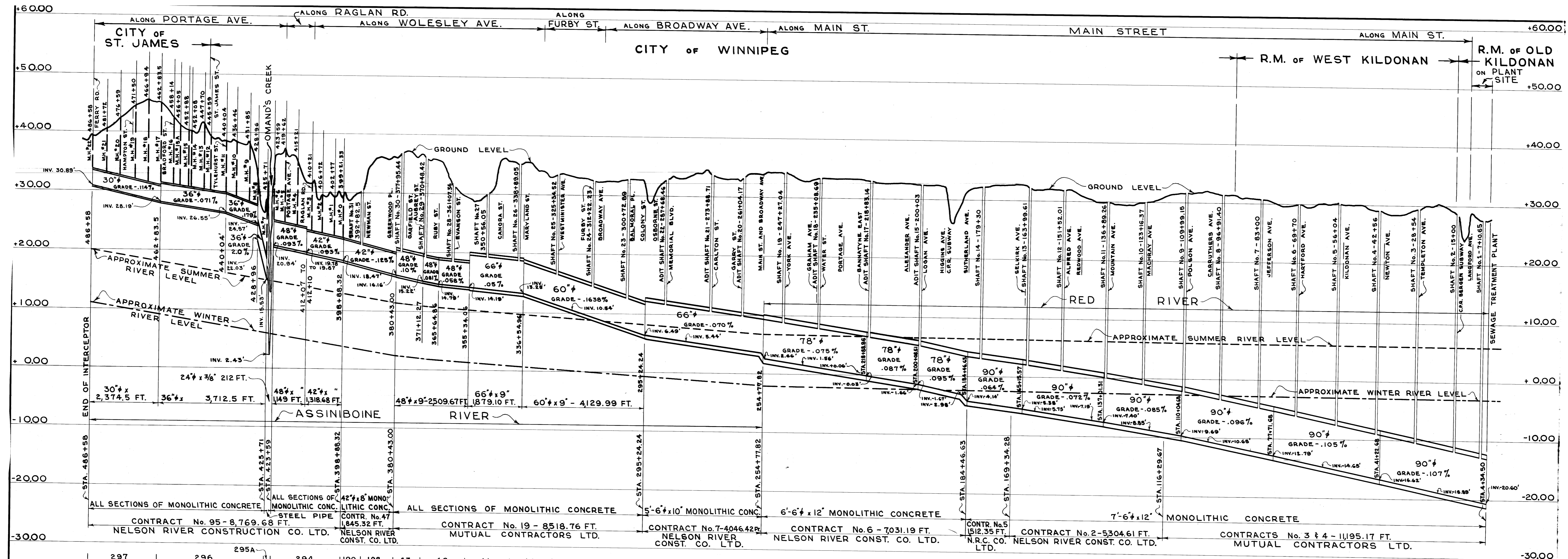
Micro-Printed 1935

REFERENCE:
 Field Book No. 50 (F. Smith)

GREATER WINNIPEG SANITARY DISTRICT			
ENGINEERING BOARD	APPROVED	DATE	JULY 10 1935
W. S. LEA			
FOR THE DISTRICT	DARYL ALEXANDER, CIV. ENGR.		
BY THE DISTRICT	DARYL ALEXANDER, CIV. ENGR.		
CHAS. P. CLAY			
W. D. HUBER, Secretary			

NOTES:
 1. Revision 4 - Feb. 11, 1935 - 4\"/>

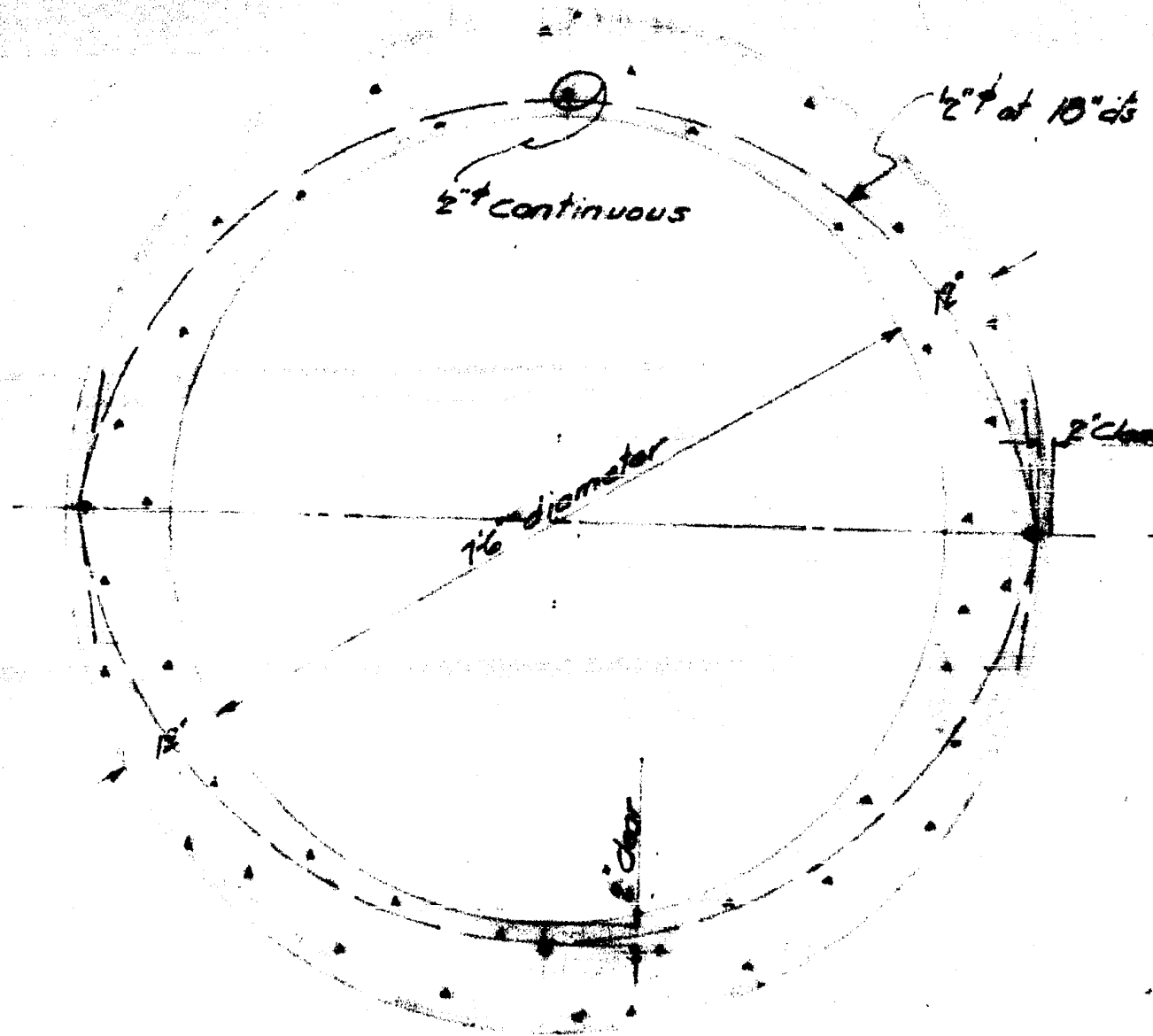
Micro-Printed 1935



REVISIONS				DATE		BY	
NO.	DESCRIPTION	DATE	BY	DATE		BY	
A	CHAINAGE OF SHAFTS AND CONTRACTS REVISED.	27 APR 36	Wm. S.				
B	CHAINAGE OF SHAFTS REVISED TO CONFORM WITH F.B. 20, ETC.	8 MAY 36	Wm. S.				
C	RETRACTED AND INTERCEPTOR EXTENDED TO PORTAGE AVE. & FERRY RD.	13 MAY 60	S.K.				

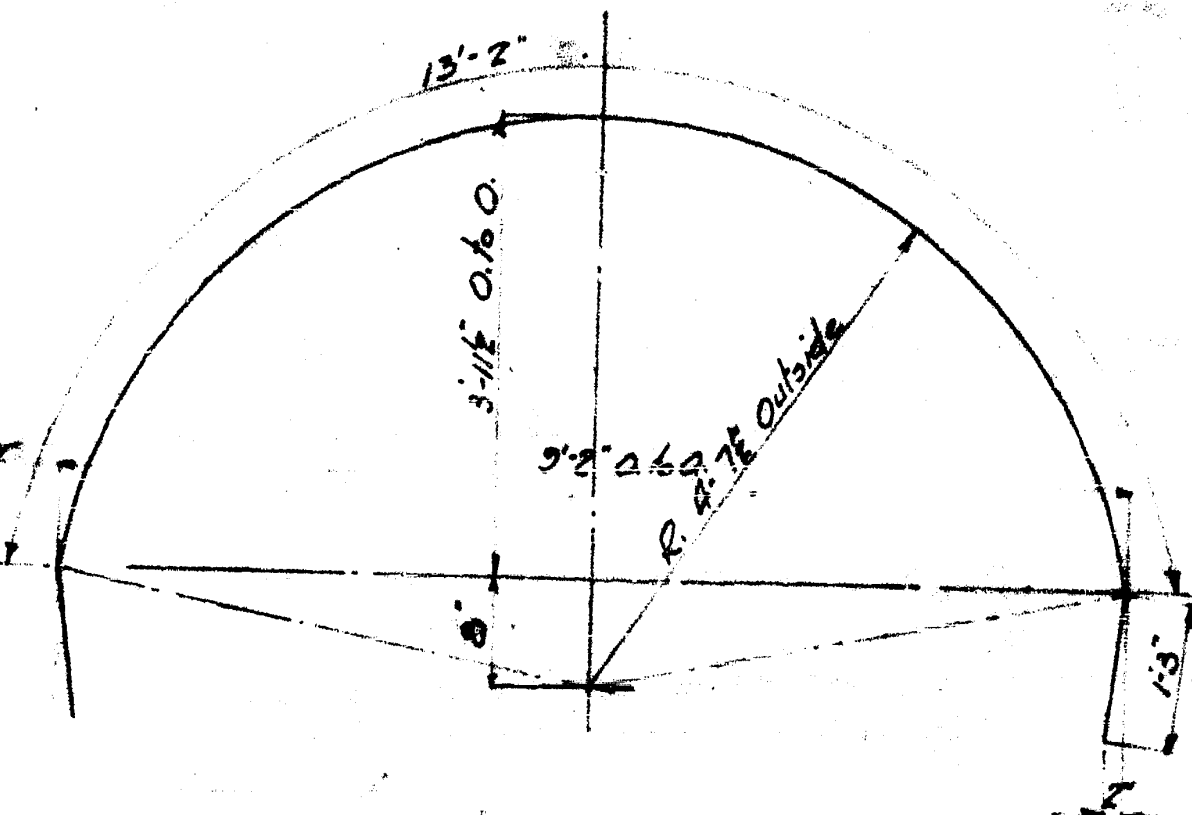
APPROVED BY				DESIGNED BY		CHECKED BY		DRAWING NO.	
Supt. <i>[Signature]</i>				Supt. <i>[Signature]</i>		Supt. <i>[Signature]</i>		M-10	
CHIEF ENGINEER				DATE		DATE		SCALE	
				25 NOV. 35		25 NOV. 35		HOR. 1"=1600' VERT. 1"=8'	

M-010A



SECTION SHOWING
PLACING OF REINFORCEMENT

*Length of Horizontal Rods to Suit Length of
Moulding, and to be lapped 30 diameters.*



DETAIL OF BENT BAR

GREATER WINNIPEG SANITARY DISTRICT

W. B. LEA Engineer		TITLE MAN, INTERCEPTOR Details of Reinforcing for No. 5 Man at Sta. 22+00	
ENGINEERING BOARD	APPROVED	DATE	DATE Jan 22/20
W. P. BOSTON, Chief Engineer			Drawn by J. H. M.
R. W. McEwen,			Checked by J. H. M.
J. W. BAYNE, Supt.			Placed by M 15
C. S. LADDON,			Contract No.
W. D. HUNT, Secretary			Approved by

NOTES:

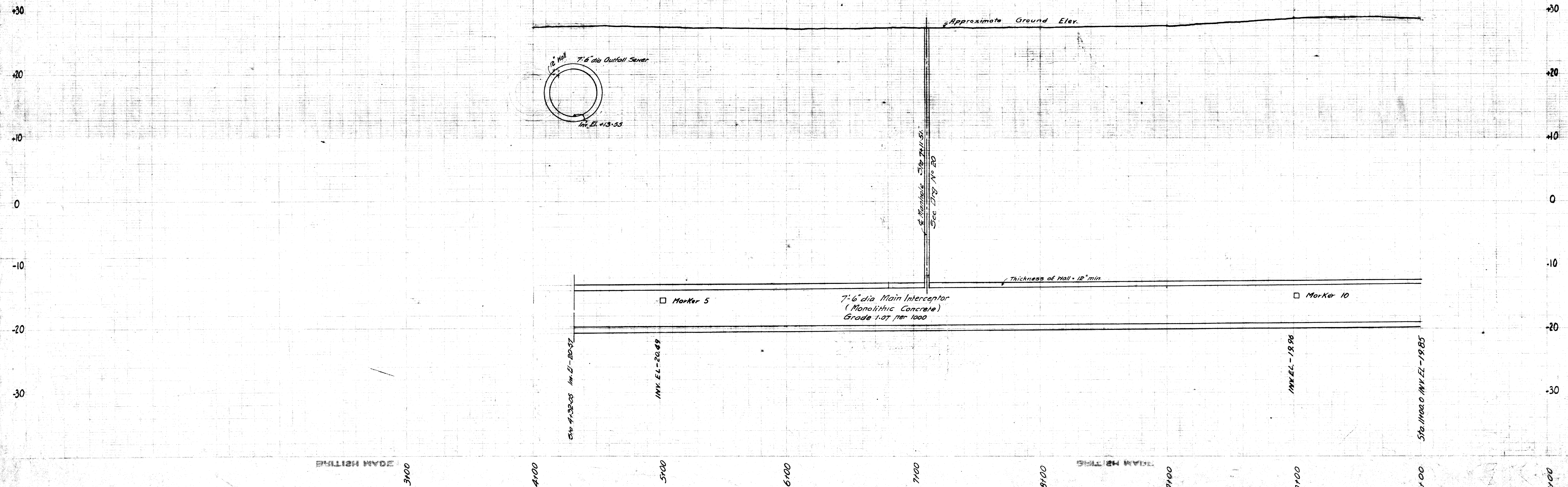
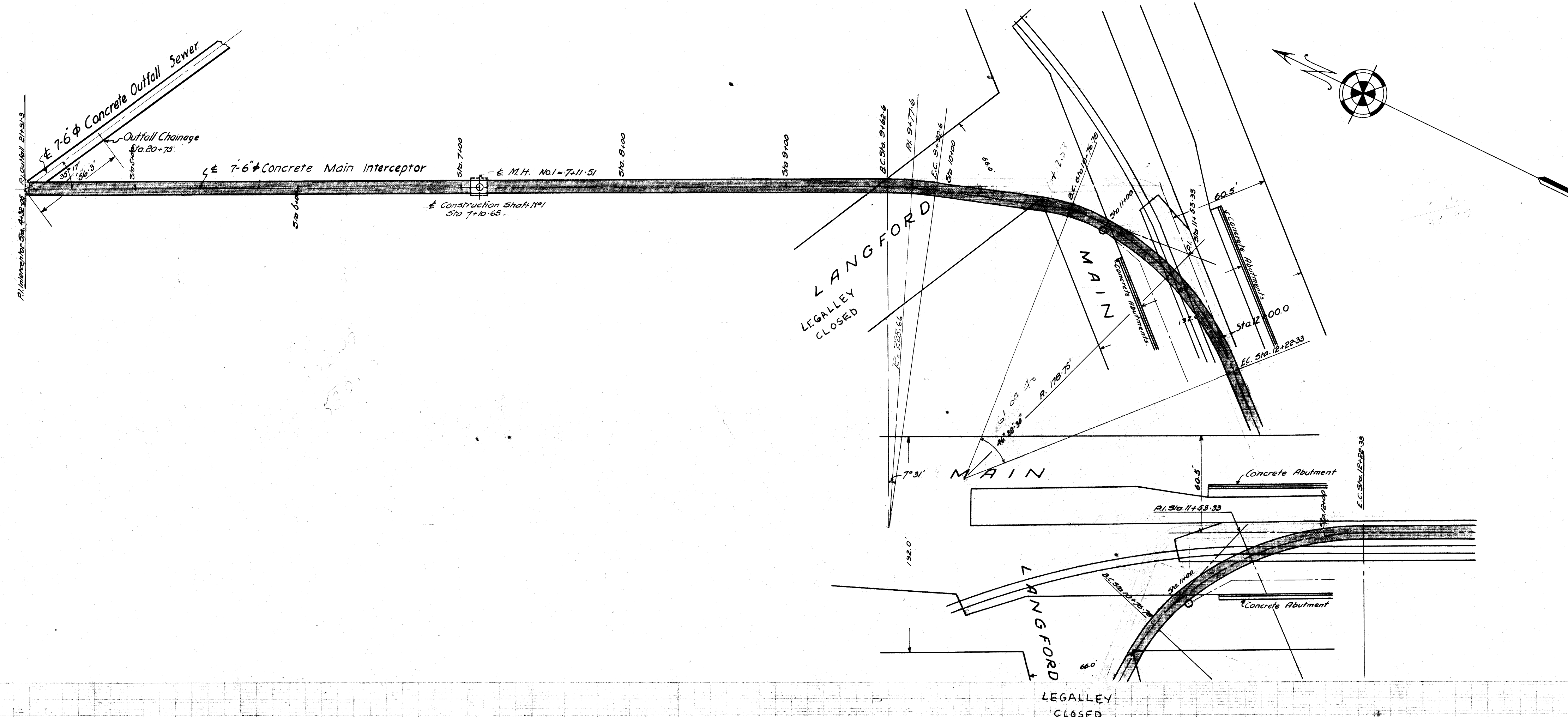
93

REF. or DRAWING NO.

DETAILS

File #
IN 10064

VS

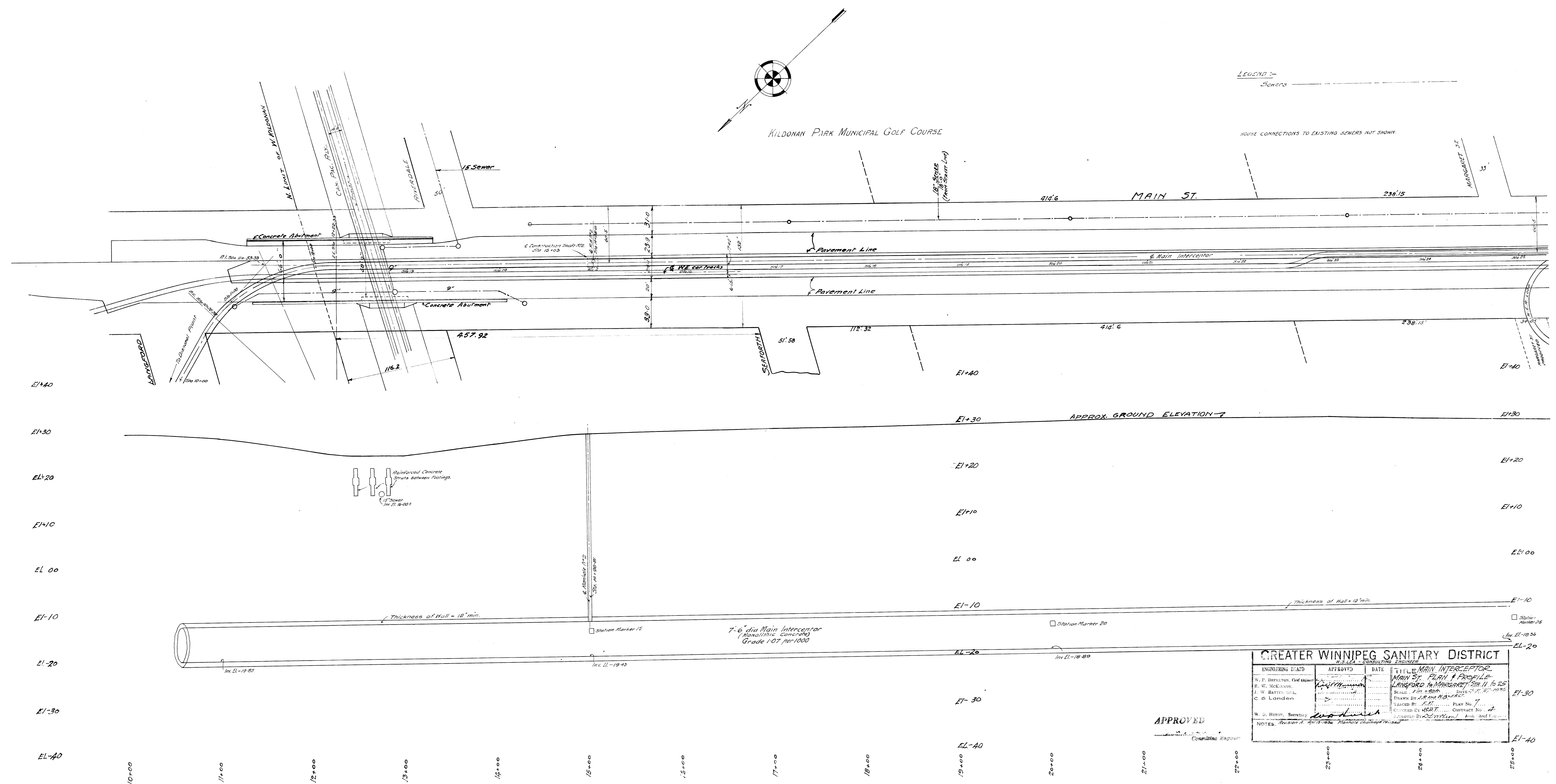


36.6
- 79.23
42.33
37
74.2
71.7

CRENSHAW SEWER DISTRICT	
PROJECT NO. 10064 DATE: MAY 14, 1958 DRAWN BY: [Signature] CHECKED BY: [Signature]	MAIN INTERCEPTOR PLAN & PROFILE - PLANT TO MAIN ST. STA. 4100.00 TO STA. 11000.00 A. F. L. H. B. R. MAY 14, 1958 93 [Signatures]
<small> Revision 1: March 10, 1958 Change of Outfall Sewer Method. Approved: [Signature] Date: [Date] Drawn: [Signature] Revision 2: April 27, 1958 Change of Manhole Revised. </small>	

Microfilm 1965

REF. or DRAWING No. **7**
 DETAILS

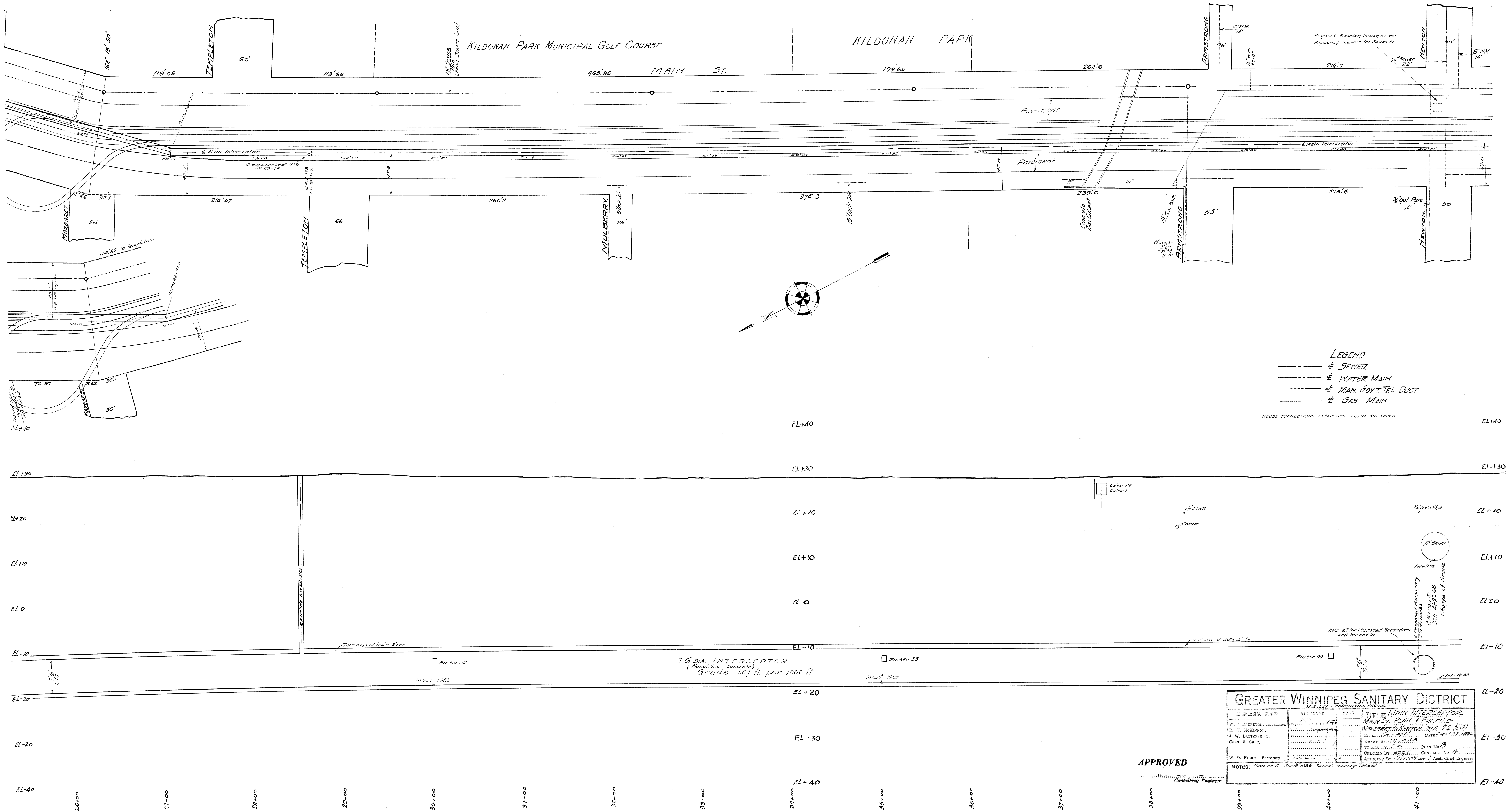


LEGEND :-
 Sewers

HOUSE CONNECTIONS TO EXISTING SEWERS NOT SHOWN.

GREATER WINNIPEG SANITARY DISTRICT			
ENGINEERING BOARD	APPROVED	DATE	TITLE
W. P. DRELLTON, Chief Engineer	<i>[Signature]</i>		MAIN INTERCEPTOR MAIN ST. PLAN & PROFILE LANGFORD TO MARGARET ST. 11.16.25
R. W. MCKINSON			
J. W. BATTERFIELD			
C. S. LONDON			
DRAWN BY: J. R. AND H. S. ... CHECKED BY: ... DESIGNED BY: ... APPROVED BY: ...			

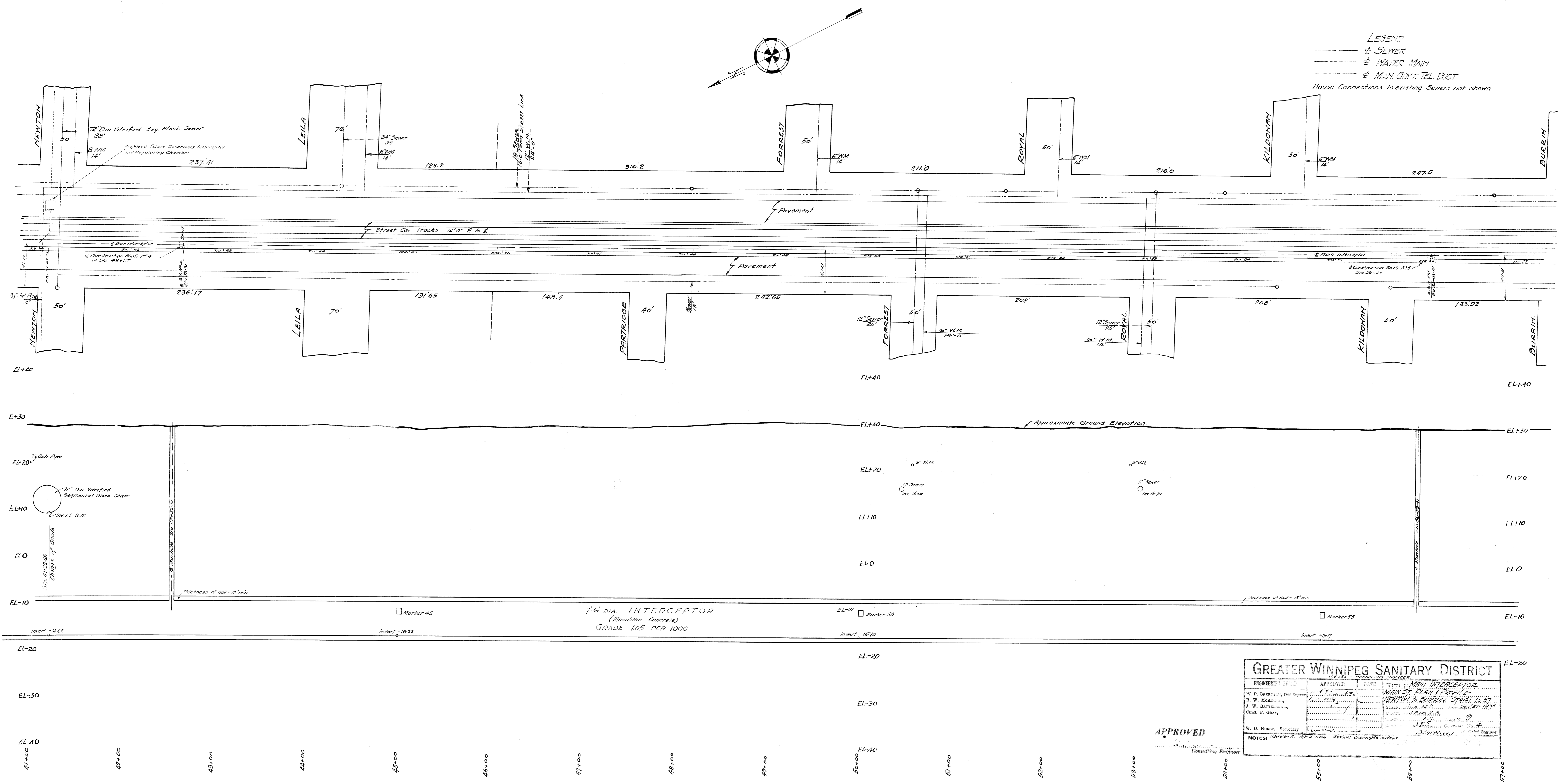
APPROVED



APPROVED

GREATER WINNIPEG SANITARY DISTRICT		
W.S. LEA - CONSULTING ENGINEER		
APPROVED	DATE	TITLE
W. D. HUBBY, Secy	1936	7'-0" DIA. MAIN INTERCEPTOR
J. W. BATHURST		MAIN ST. PLAN & PROFILE
CHAS. F. GILY		MARGARET TO NEWTOR, STA. 26+00 TO 41+00
DRAWN BY: W.S. LEA CHECKED BY: W.S. LEA CONSULTED BY: W.S. LEA APPROVED BY: W.S. LEA, Asst. Chief Engineer		
NOTES: Revision A. 1/15/1936. Turned drainage revised.		

REF. or DRAWING No. **9**
 DETAILS
 200 #
 IN 10008



LEGEND
 --- & SEWER
 --- & WATER MAIN
 --- & MAX. GOVT. TEL. DUCT
 House Connections to existing Sewers not shown

7-6 DIA. INTERCEPTOR
 (Monolithic Concrete)
 GRADE 1.05 PER 1000

APPROVED

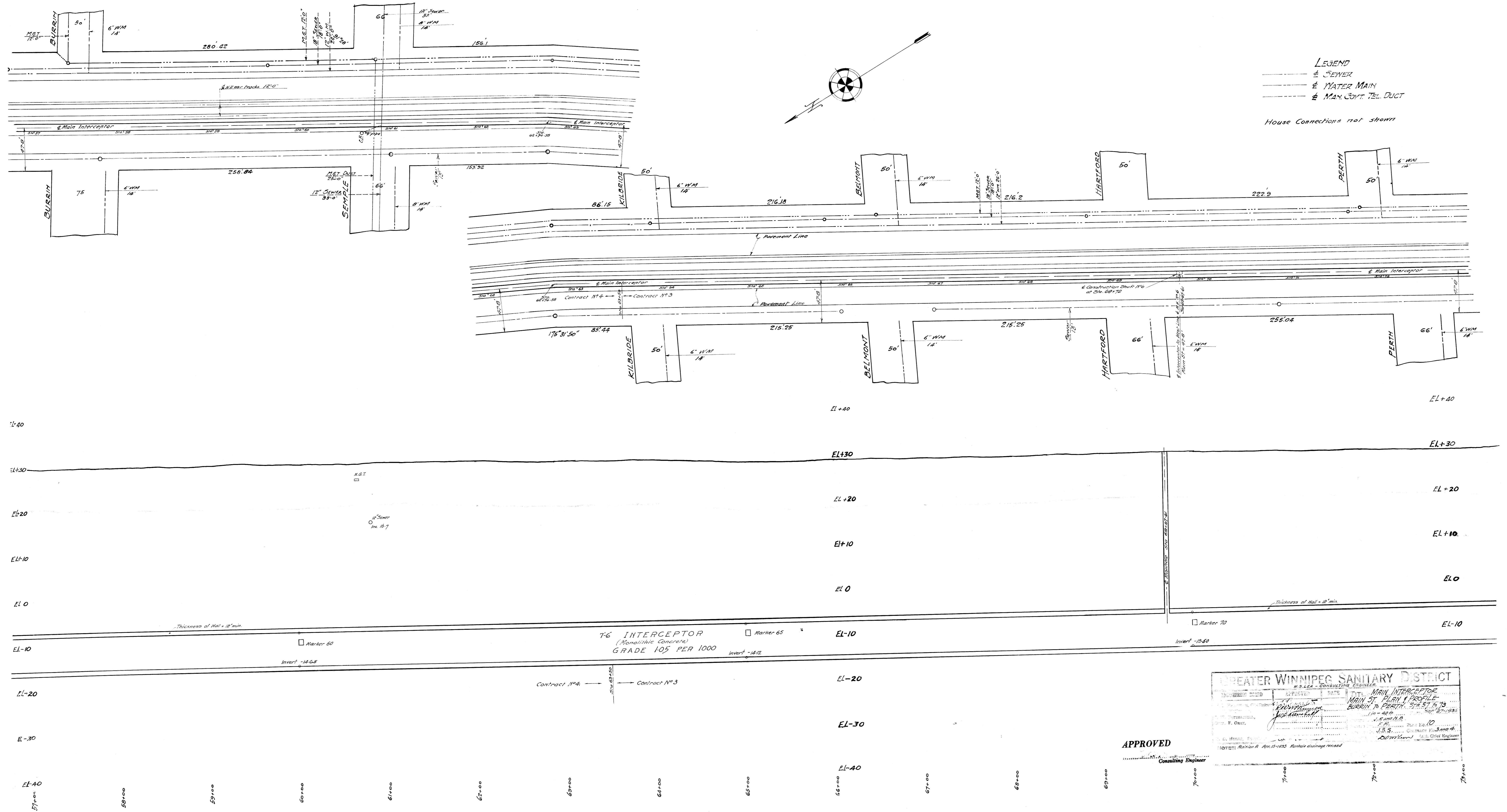
GREATER WINNIPEG SANITARY DISTRICT <small>W.S.S.D. CONSULTING ENGINEER</small>	
ENGINEER'S SEAL W. P. BURNHAM, Chief Engineer R. W. McKEOWN, J. W. BATTERFIELD, CHAS. F. GRAY,	APPROVED MAIN INTERCEPTOR MAIN ST. PLAN & PROFILE NEWTON TO BURRIN ST. ST. TO ST. BURRIN, I.A.S. 1895 J. McKEOWN, C.E. W. D. HURST, Surveyor NOTES: Revisions 1, April 1895. Marked changes in red.

FILE #
IN 10001

10

REF. or DRAWING NO.

DETAILS



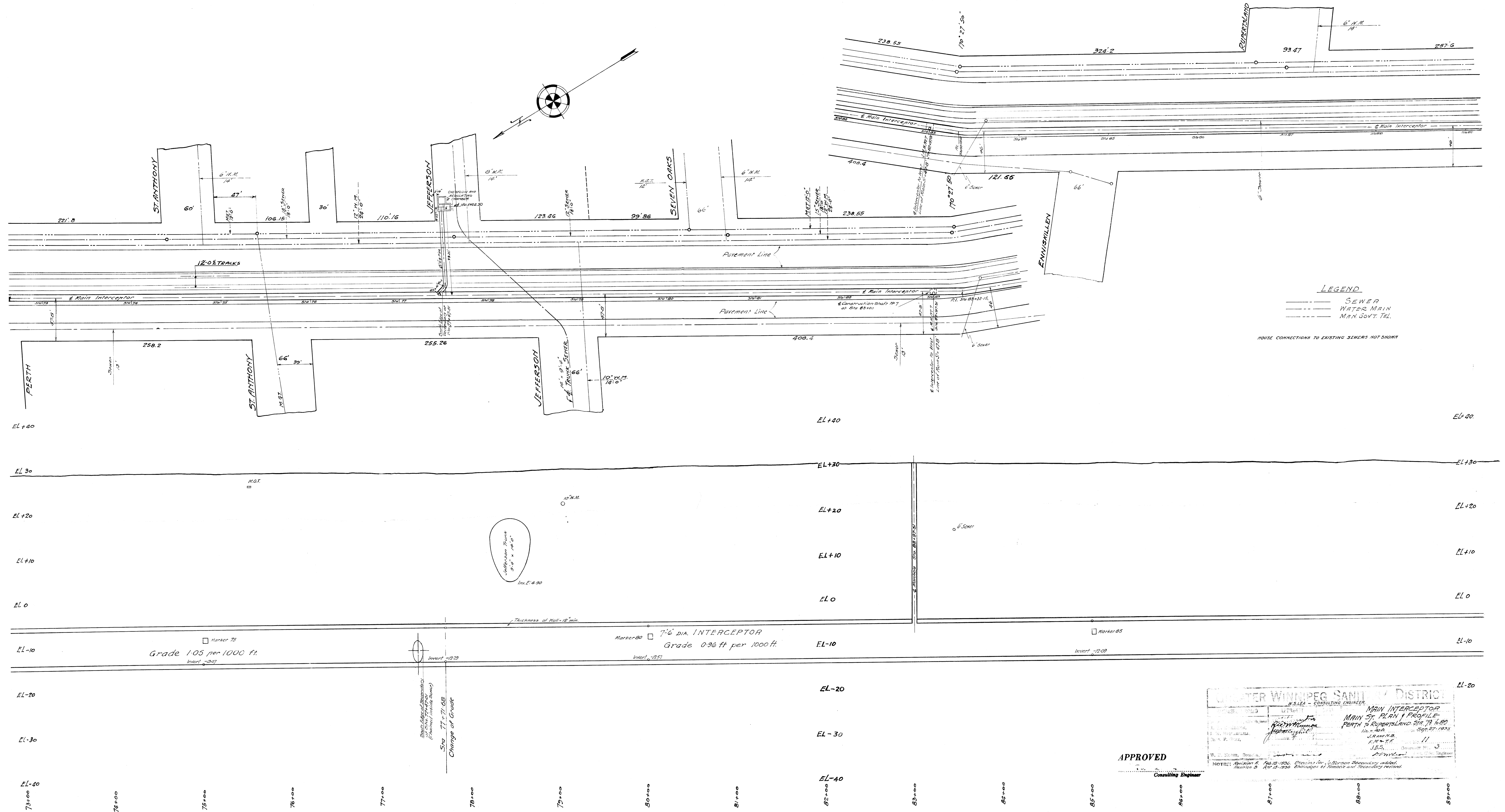
LEGEND
 --- SEWER
 --- WATER MAIN
 --- MAN. GOVT. TEL. DUCT

House Connections not shown

GREATER WINNIPEG SANITARY DISTRICT
 CONSULTING ENGINEER
 MAIN INTERCEPTOR
 MAIN ST. PLAN & PROFILE
 BURRIN TO PERTH STA. 57+75 TO 79+00
 10" DIA.
 1.85% GRADE
 CONTRACTS NO. 3 AND 4
 APPROVED
 Consulting Engineer

REF. or DRAWING No. 11

DETAILS

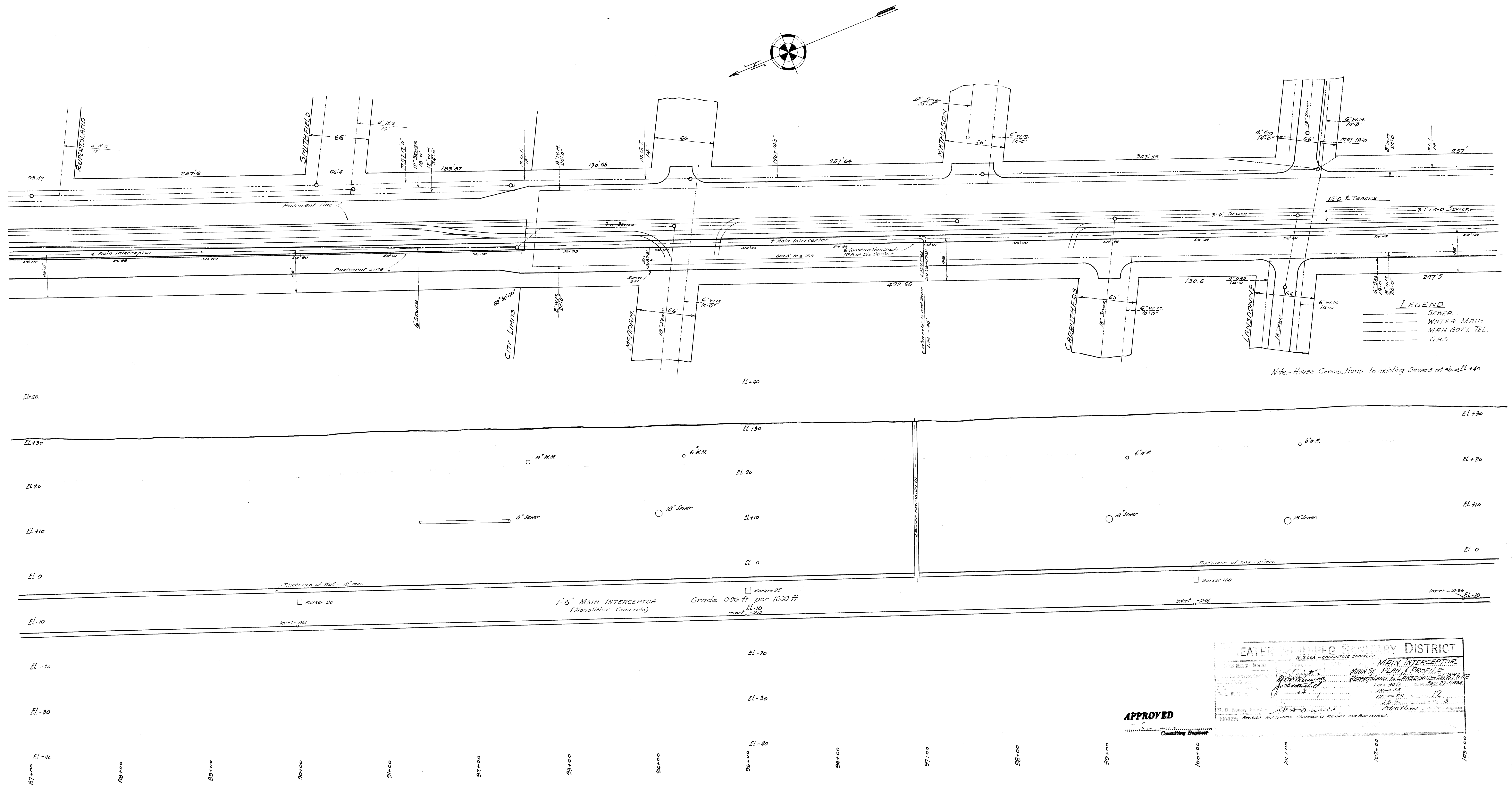


APPROVED

Consulting Engineer

WILFRED WINNIEG SANITARY DISTRICT CONSULTING ENGINEER	
PROJECT NO. 11 DATE 11/1/23	MAIN INTERCEPTOR MAIN ST. PLAN & PROFILE PERTH TO RUPERTSLAND STA. 73+6.80 12" DIA. 10' COVER
J. R. W. M.B. P.E.M.T.E. J.E.S.	11 3
NOTES: Section 4, Feb. 18, 1926. Changes for 1st. Section Secondary added. Section 5, Feb. 15, 1926. Changes of Manhole and Secondary added.	

REF. or DRAWING NO. **12**
DETAILS
IN 10011



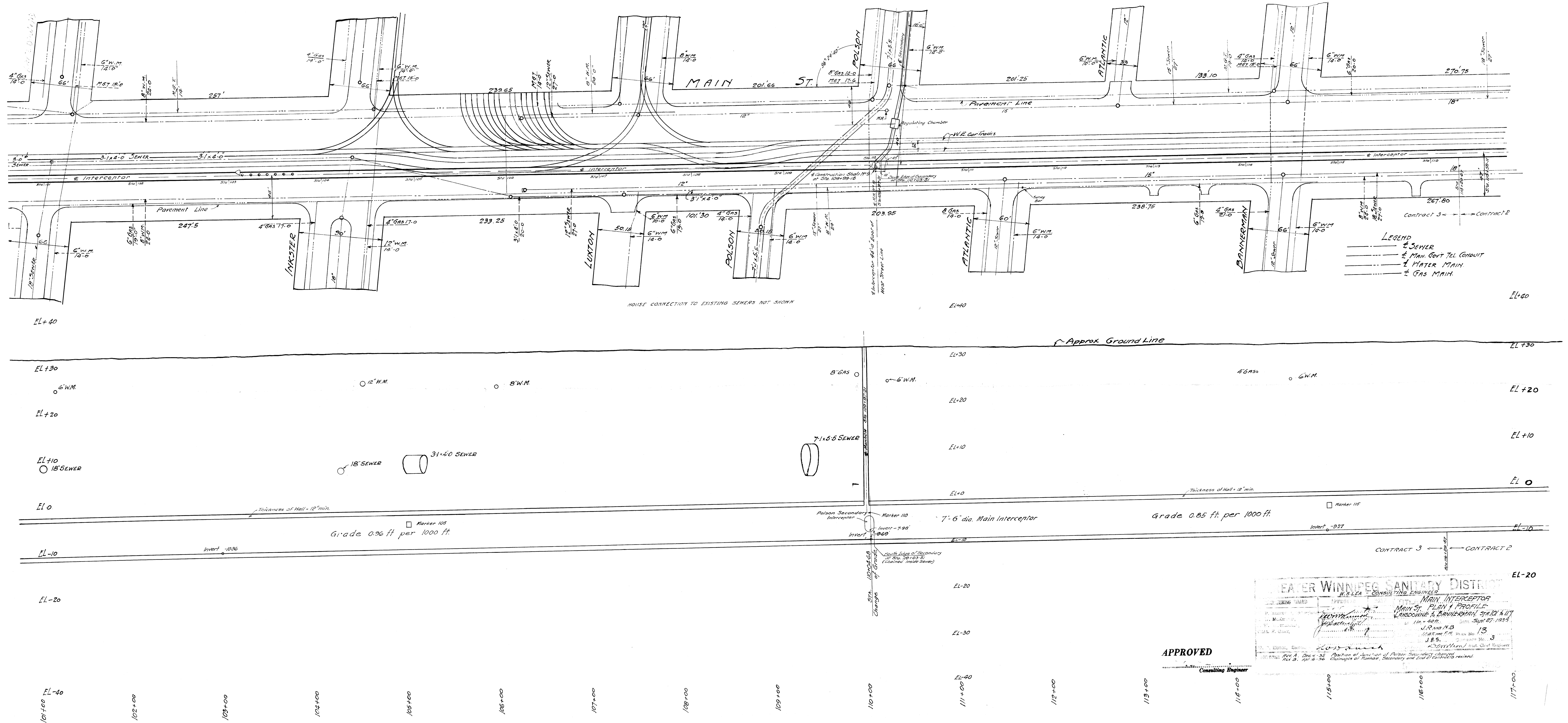
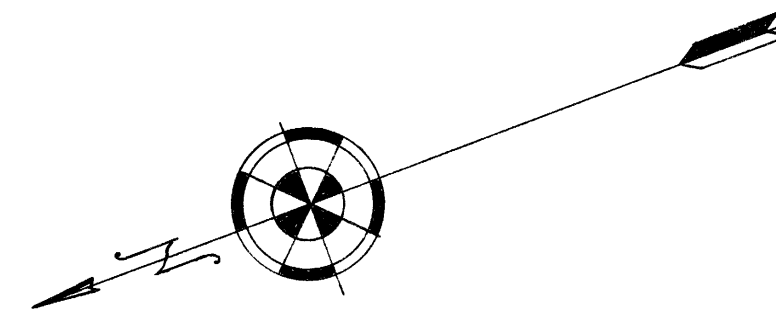
APPROVED

EATER WINNIPEG SANITARY DISTRICT
W.S. LEA - CONSULTING ENGINEER
MAIN ST. PLAN & PROFILE
RIVERISLAND, R.R. & LANDOWNE, SUB. ST. 1102
J.B.S.
12
1935

13

REF. or DRAWING No.

DETAILS



APPROVED

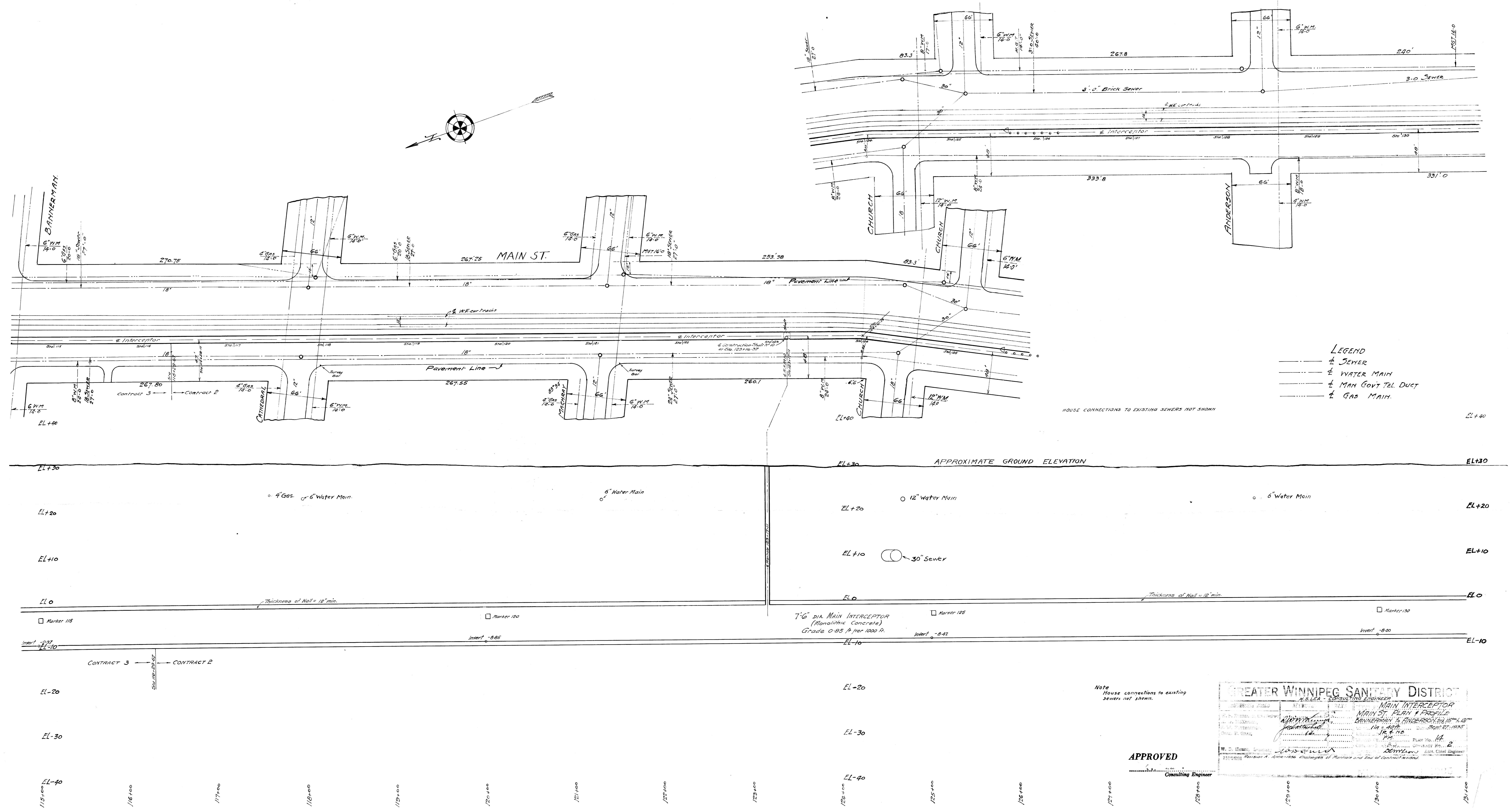
Consulting Engineer

LEADER WINNIPEG SANITARY DISTRICT
 W.S. LEA CONSULTING ENGINEERS
 MAIN INTERCEPTOR
 MAIN ST. PLAN & PROFILE
 RANSOWNE & BANNERMAN ST. WIT
 1/18/40
 J.R. and N.B.
 1935
 J.B.S.
 13
 3
 35
 16-1-36

14

REF. or DRAWING No.

DETAILS



- LEGEND**
- 4 SEWER
 - 4 WATER MAIN
 - 4 MAN GOVT TEL DUCT
 - 4 GAS MAIN

HOUSE CONNECTIONS TO EXISTING SEWERS NOT SHOWN

7'-6" DIA MAIN INTERCEPTOR
(Monolithic Concrete)
Grade 0.85 ft per 100 ft.

Note
House connections to existing
sewers not shown.

APPROVED

GREATER WINNIPEG SANITARY DISTRICT
CONSULTING ENGINEER

MAIN INTERCEPTOR
MAIN ST. PLAN & PROFILE
BANNERMAN TO ANDERSON ST. 15" x 18" DIA

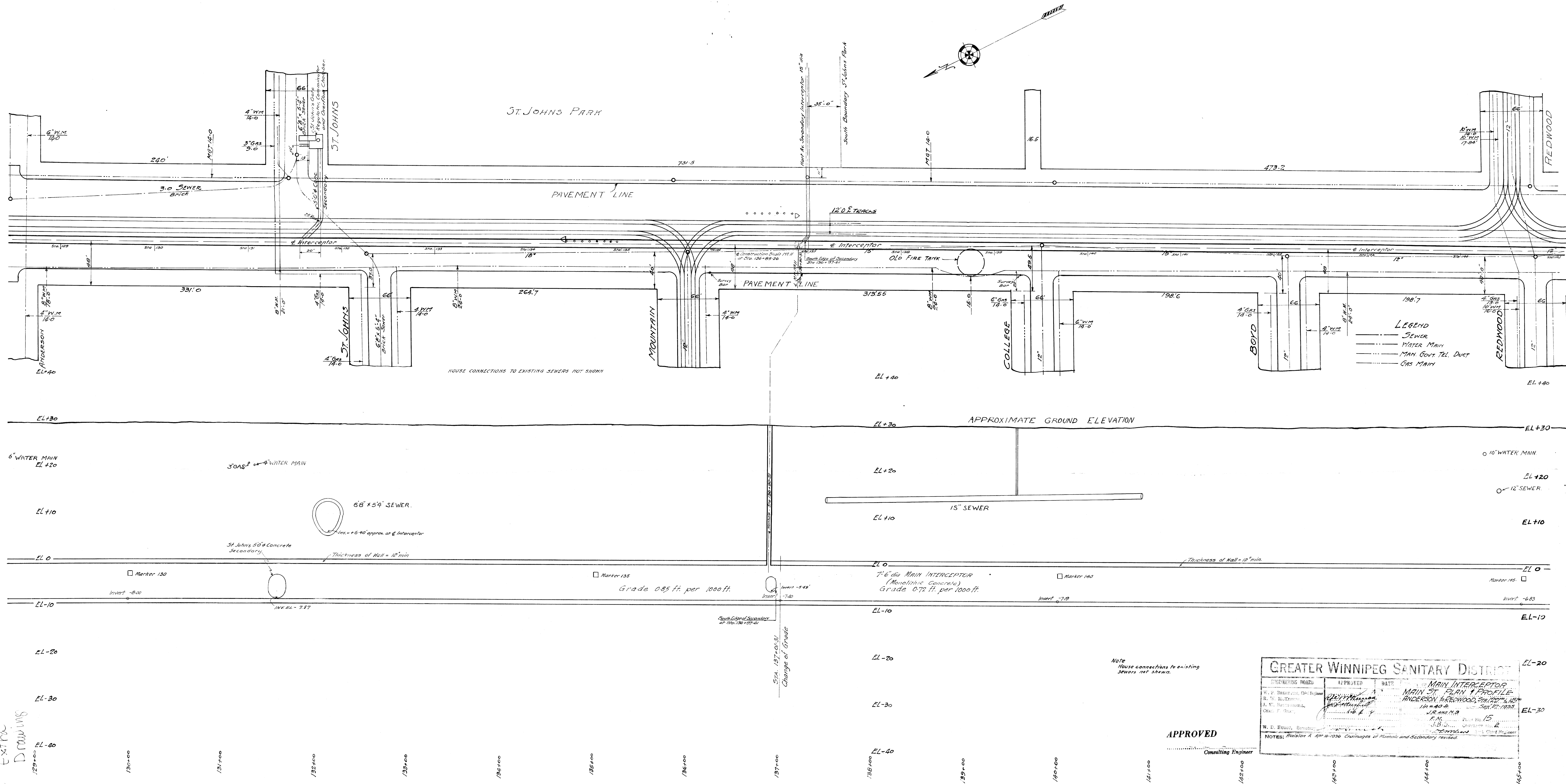
W. D. GIBSON, Consulting Engineer

15

REF. or DRAWING No.

DETAILS

Has 13 Extra Drawings



LEGEND

- SEWER
- WATER MAIN
- MAN. GOVT. TEL. DUCT
- GAS MAIN

Note
House connections to existing
sewers not shown.

APPROVED

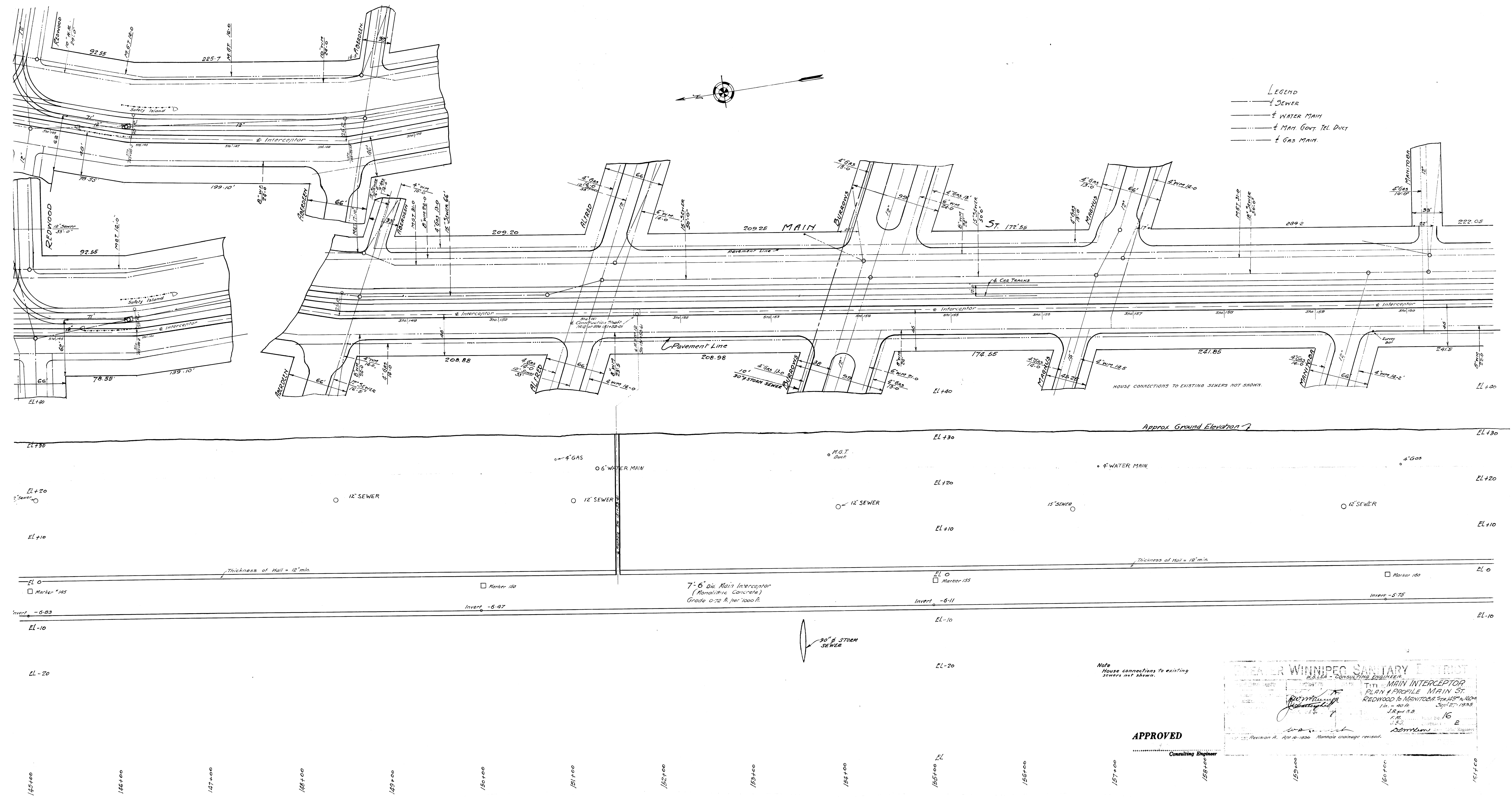
Consulting Engineer

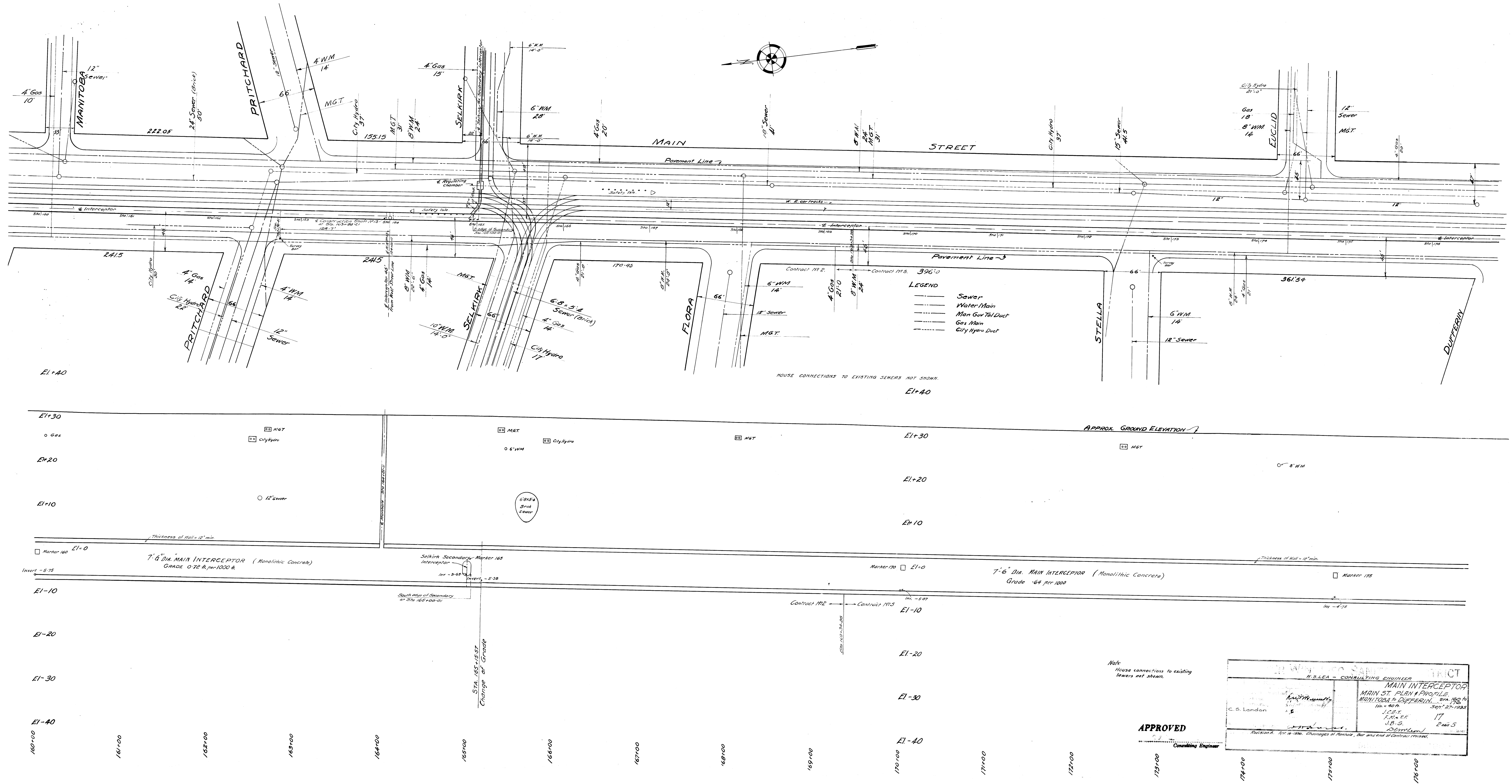
GREATER WINNIPEG SANITARY DISTRICT			
ENGINEERING BOARD	APPROVED	DATE	MAIN INTERCEPTOR MAIN ST. PLAN & PROFILE ANDERSON TO REDWOOD ST. 12" & 15"
W. F. BISHOP, Chairman	<i>[Signature]</i>	1935	141+00 to 145+00
R. W. L. KERR	<i>[Signature]</i>		141+00 to 145+00
J. W. HARRISON	<i>[Signature]</i>		141+00 to 145+00
CHAS. F. SHAW	<i>[Signature]</i>		141+00 to 145+00
W. D. HUNTER, Secretary	<i>[Signature]</i>		141+00 to 145+00
Notes: Markers A Apr. 1935. Outlines of Main and Secondary revised.			

16

REF. of DRAWING No.

DETAILS





Note
House connections to existing
sewers not shown.

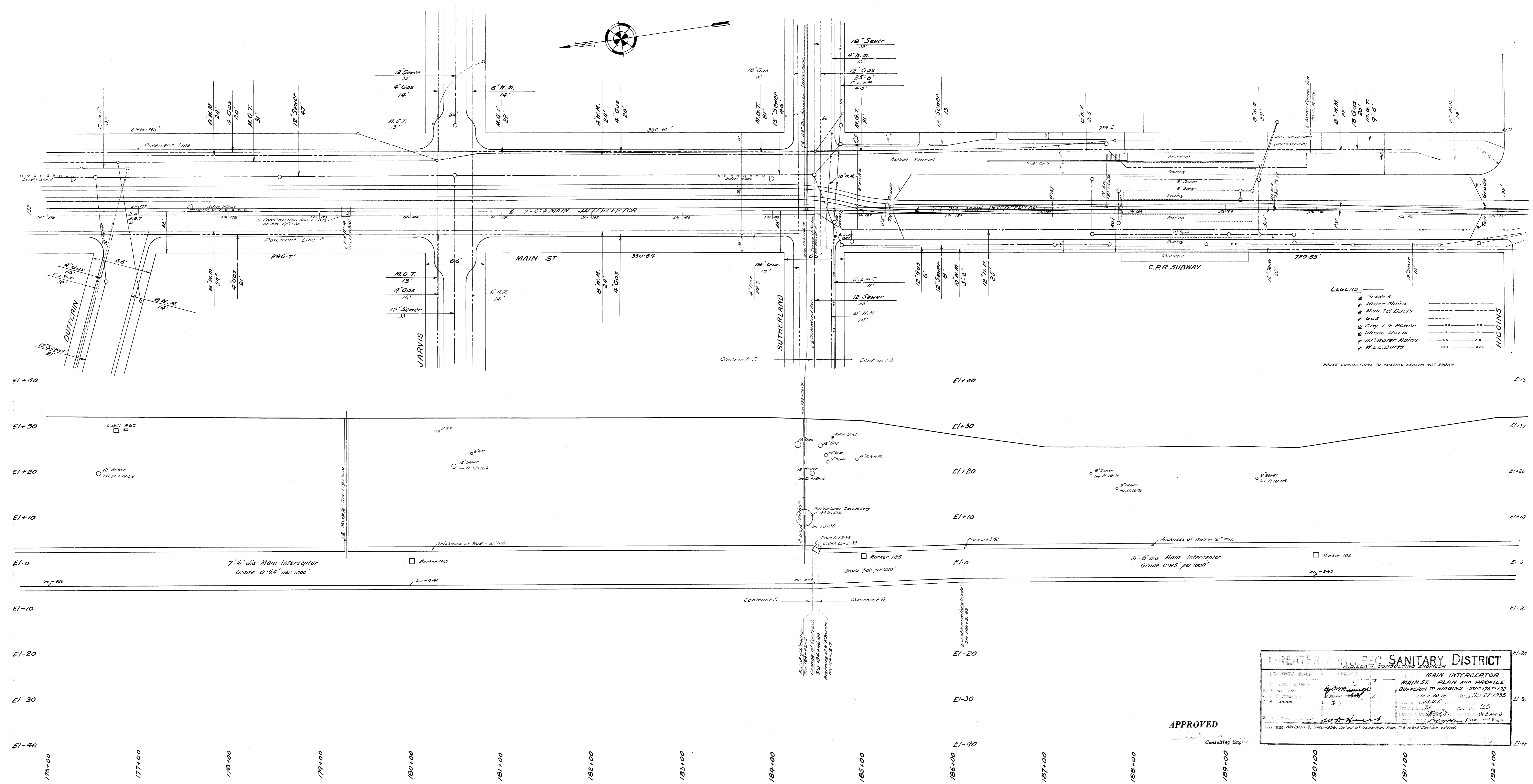
APPROVED

Consulting Engineer

R.S. LEA - CONSULTING ENGINEER TRIST	
MAIN INTERCEPTOR MAIN ST. PLAN & PROFILE MANITOBA & DUFFERIN STS. STA. 152+00 TO 178+00 10' x 40' 50' x 27' 1935	
C.S. London J.C.B. P.L.S. & F. J.B.S. 17 2 AUG 5	178+00 178+00 178+00

REF. or DRAWING No. **25**

DETAILS



LEGEND:

—	Sewers
—	Water Mains
—	Man. Tel. Ducts
—	Gas
—	City L. & Power
—	Steam Ducts
—	H.P. Water Mains
—	W.E.C. Ducts

GREATER WILMINGTON SANITARY DISTRICT
 W.S. LEA CONSULTING ENGINEER

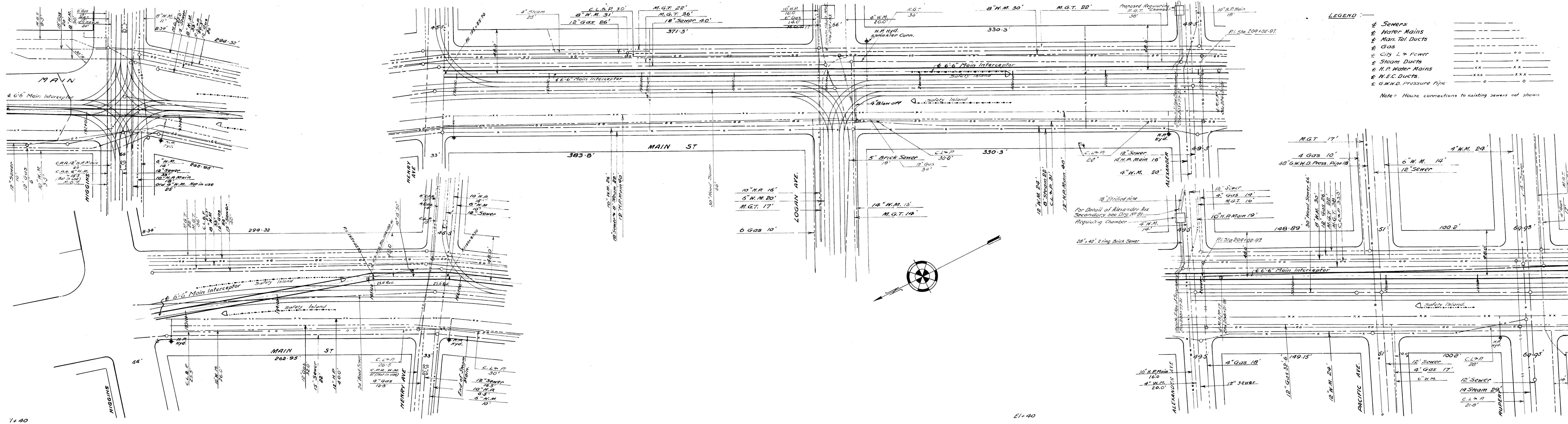
MAIN INTERCEPTOR
 MAIN ST. PLAN AND PROFILE
 DUFFERIN TO HIGGINS - STS 176 TO 192

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: Nov 27, 1933

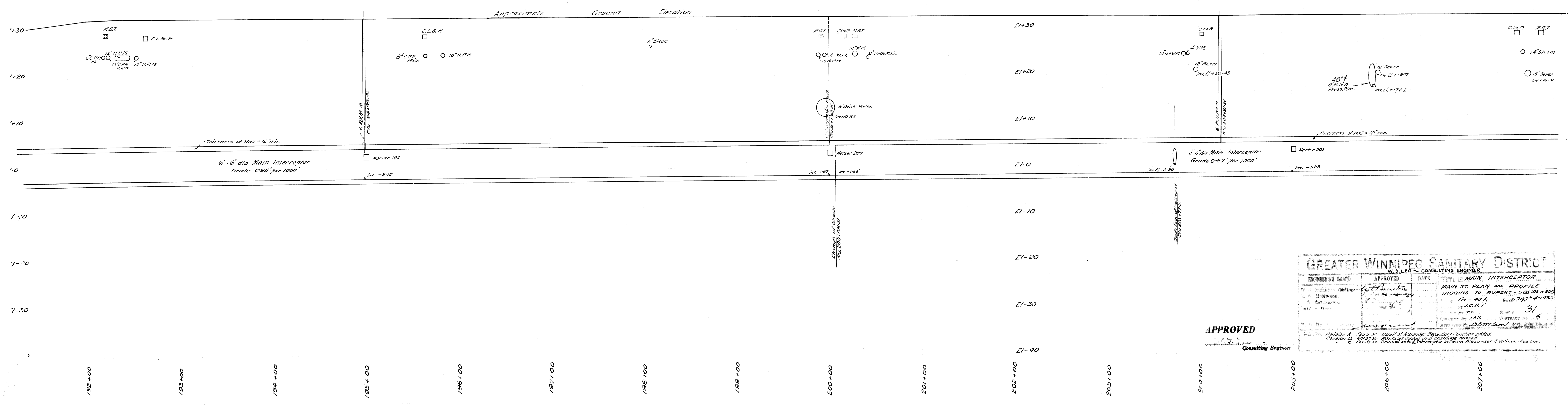
APPROVED
 Consulting Engineer

31
file
3130110300

REF. or DRAWING NO. 31
DETAILS



- LEGEND**
- Sewers
 - Water Mains
 - Man. Tel. Ducts
 - Gas
 - City L. & Power
 - Steam Ducts
 - H.P. Water Mains
 - H.E.C. DUCTS
 - G.W.N.D. Pressure Pipe
- Note: House connections to existing sewers not shown.



GREATER WINNIPEG SANITARY DISTRICT			
W.S. LER CONSULTING ENGINEER			
ENGINEERING DEPT.	APPROVED	DATE	TITLE
DESIGNED BY	<i>[Signature]</i>		MAIN INTERCEPTOR
CHECKED BY			MAIN ST. PLAN AND PROFILE
DRAWN BY			HIGGINS TO RUPERT - STATION 192+00
SCALE			1" = 40'
PROJECT NO.			31
DATE			6
APPROVED BY	<i>[Signature]</i>		Consulting Engineer

APPROVED
Consulting Engineer