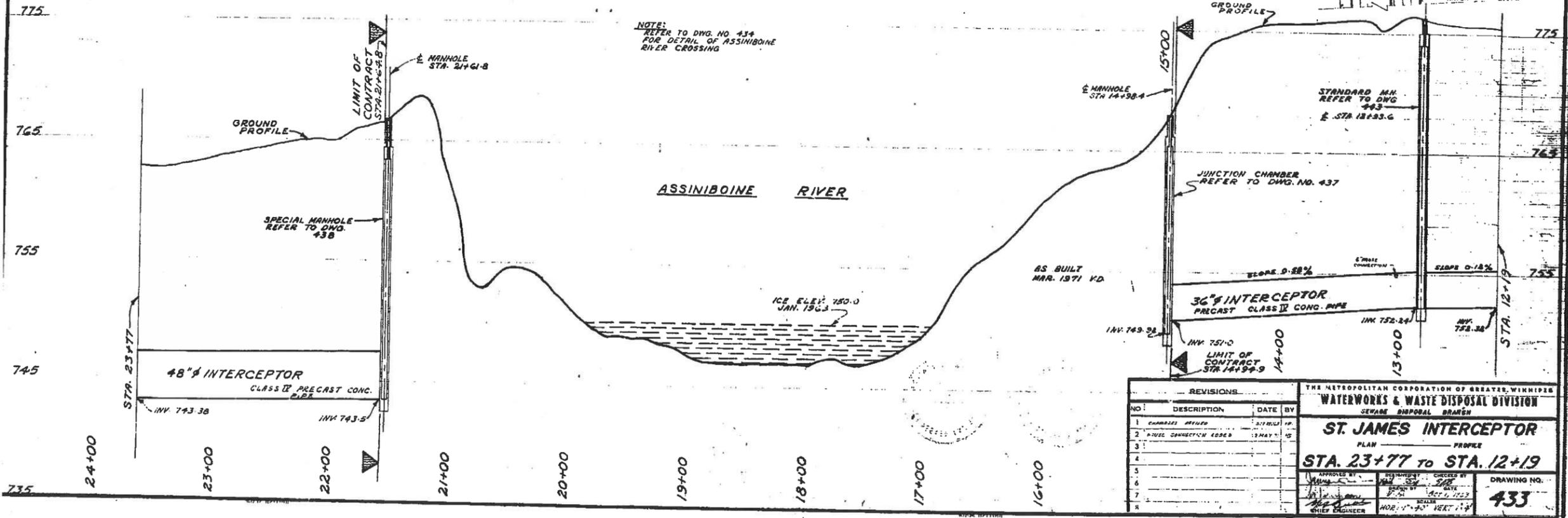
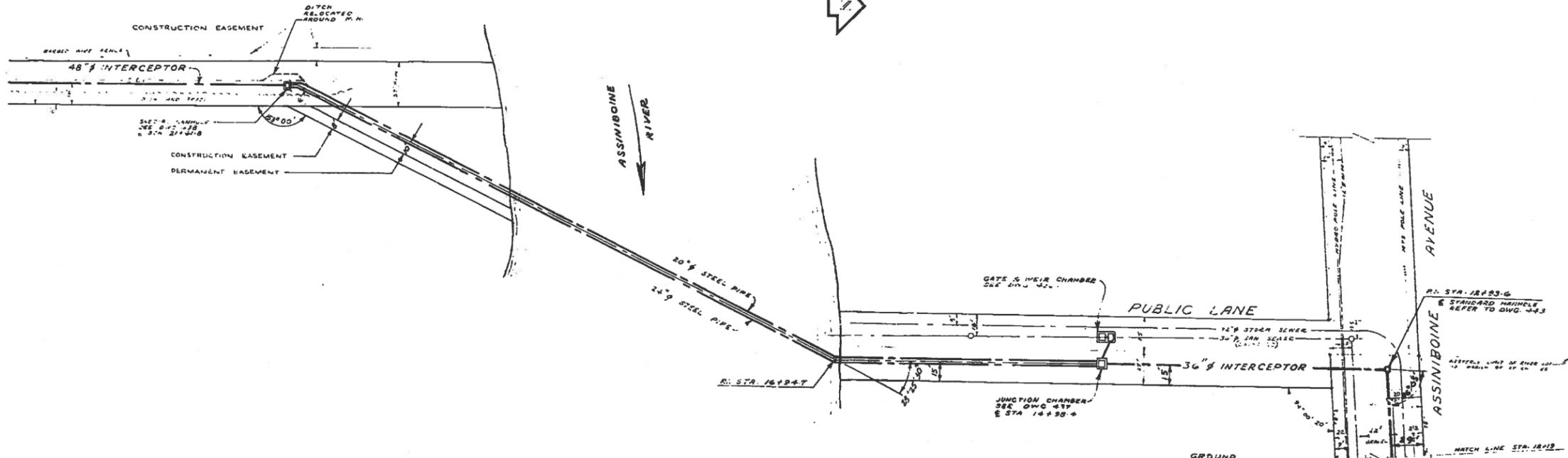


Appendix B

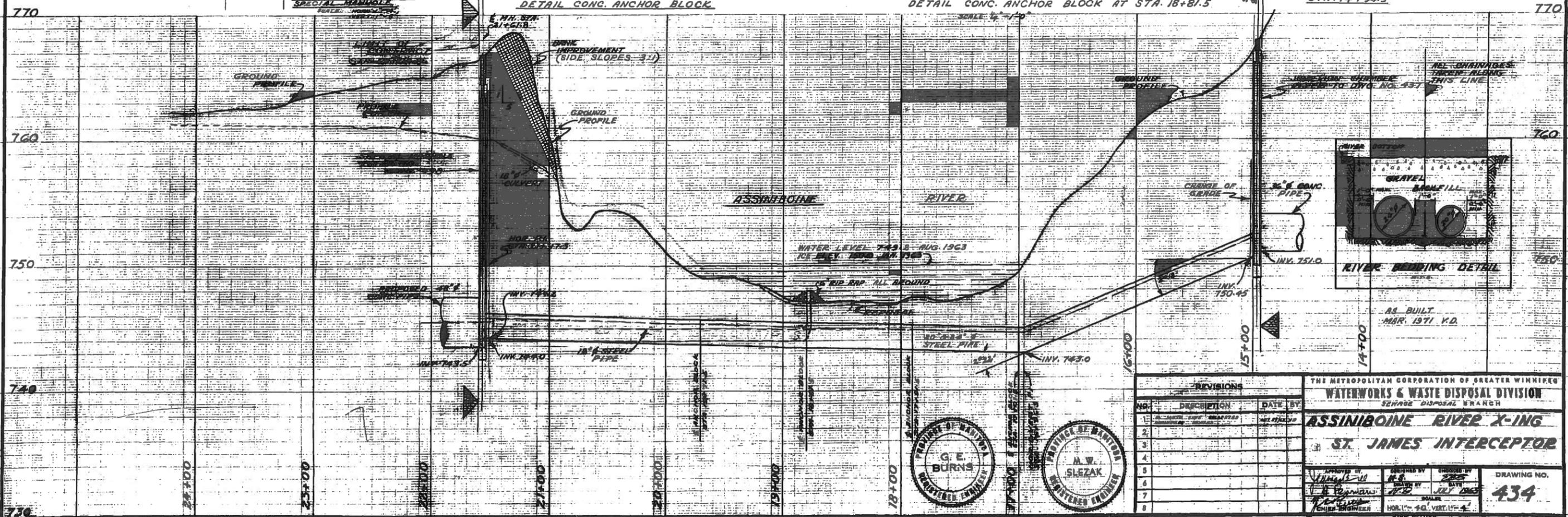
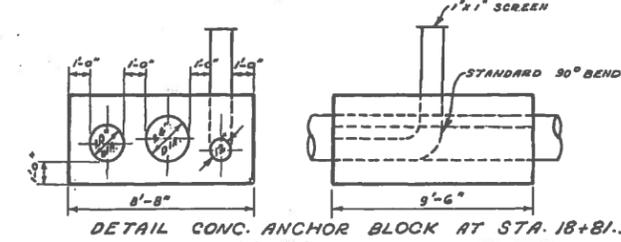
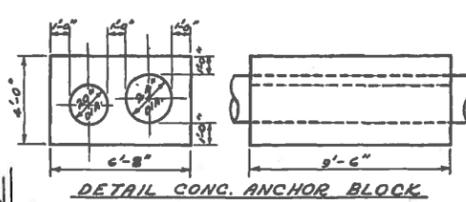
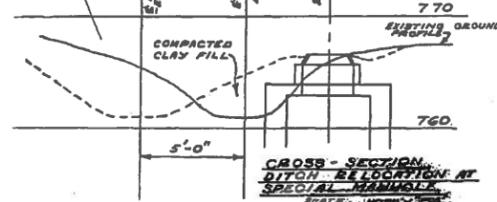
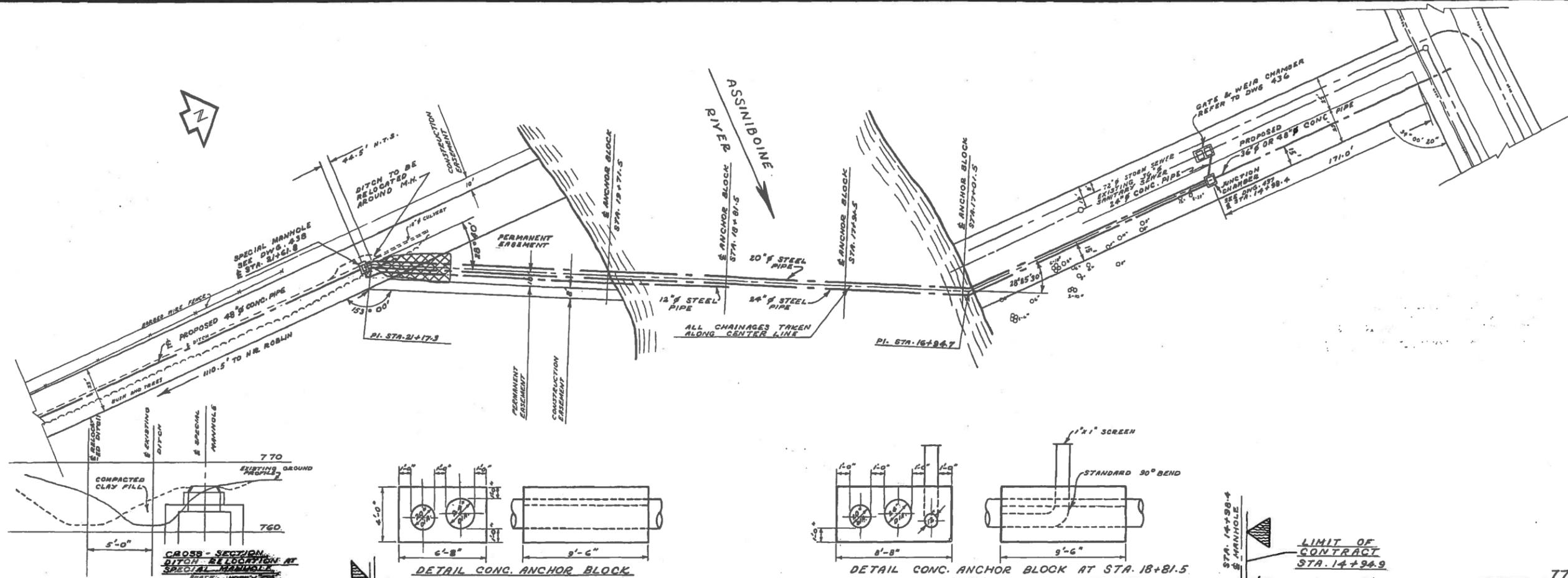
Record Drawings



REVISIONS		DATE BY	
1	CHANGES REVISED		
2	ADJUST CONNECTIONS ADDED	13 MAY 65	
3			
4			
5			
6			
7			
8			

THE METROPOLITAN CORPORATION OF GREATER WINNIPEG			
WATERWORKS & WASTE DISPOSAL DIVISION			
SEWER DISPOSAL BRANCH			
ST. JAMES INTERCEPTOR			
PLAN			
PROJECT			
STA. 23+77 TO STA. 12+19			
APPROVED BY	DESIGNED BY	CHECKED BY	DRAWING NO.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	433
DATE	DATE	DATE	
SCALE	SCALE	SCALE	

694-C



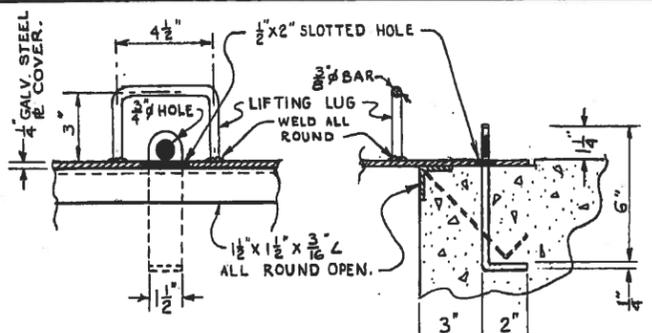
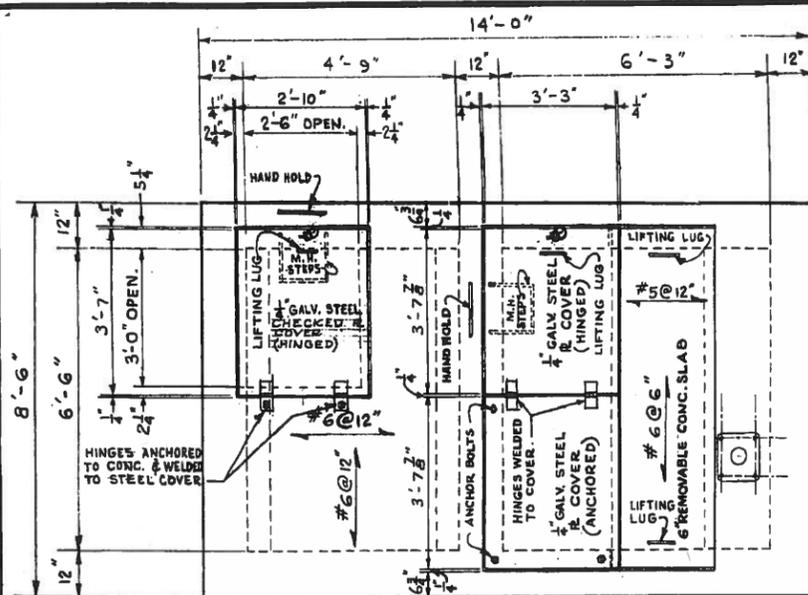
REVISIONS		
NO.	DESCRIPTION	DATE BY
1	AS BUILT	MAR. 1971
2		
3		
4		
5		
6		
7		
8		

THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS & WASTE DISPOSAL DIVISION
 SEWER DISPOSAL BRANCH

ASSINIBOINE RIVER X-ING
ST. JAMES INTERCEPTOR

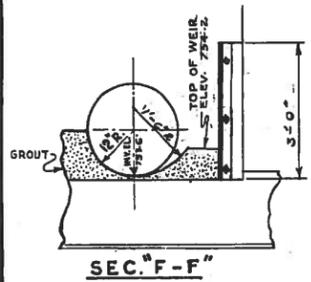
APPROVED BY: [Signature]
 CHECKED BY: [Signature]
 DRAWN BY: [Signature]
 DATE: JULY 1963

DRAWING NO. **434**

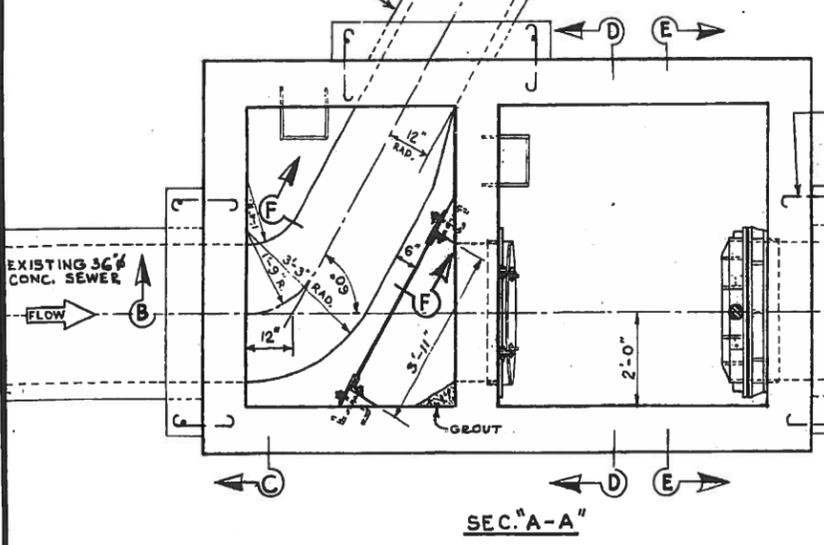


LOCKING DEVICE FOR M.H. COVERS.
SCALE 3"=1'-0"

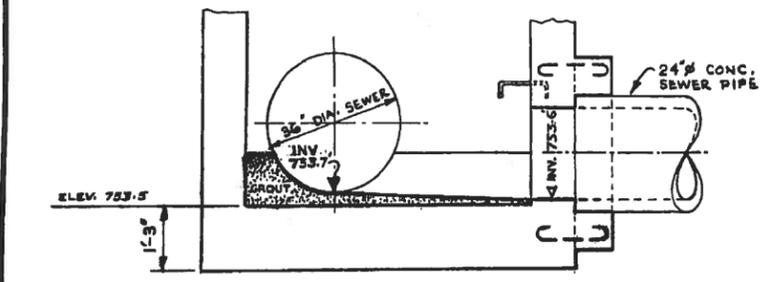
NOTE:
 ① ALL INVERTS AND ELEVATIONS TO BE CHECKED PRIOR TO CONSTRUCTION.
 ② SEE DRAWING 438 FOR LIFTING LUG DETAIL



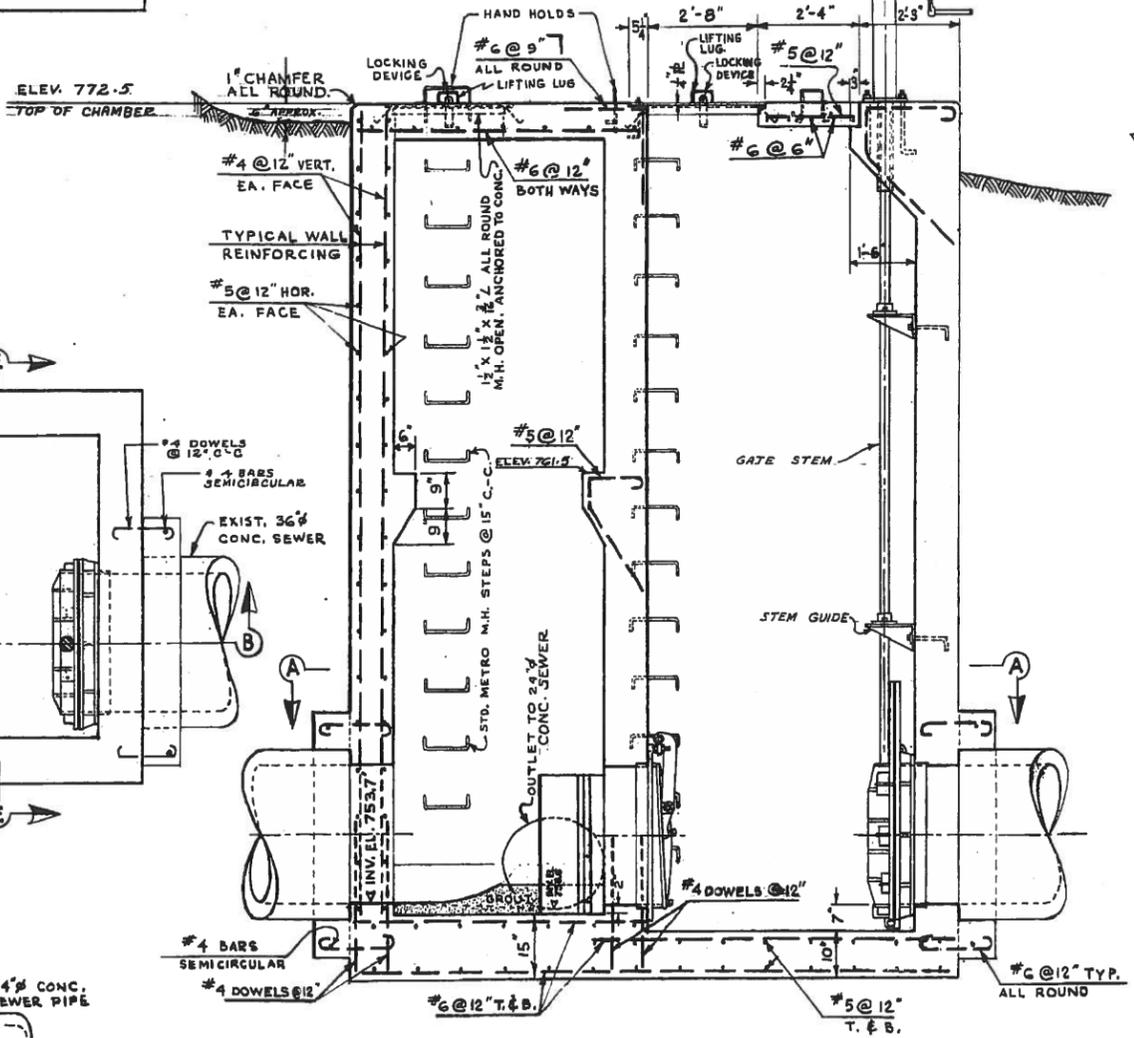
PLAN



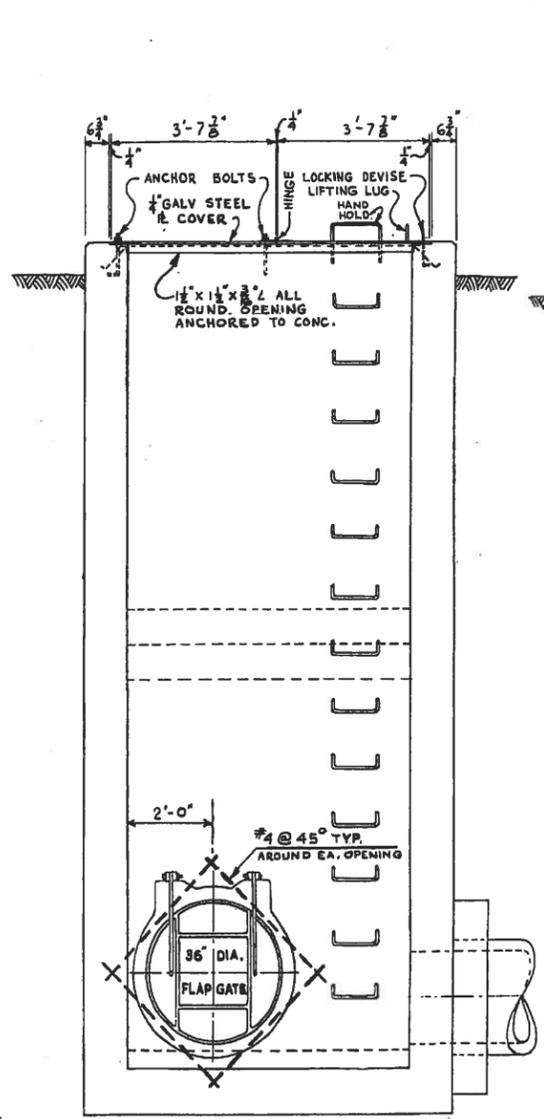
SEC. "A-A"



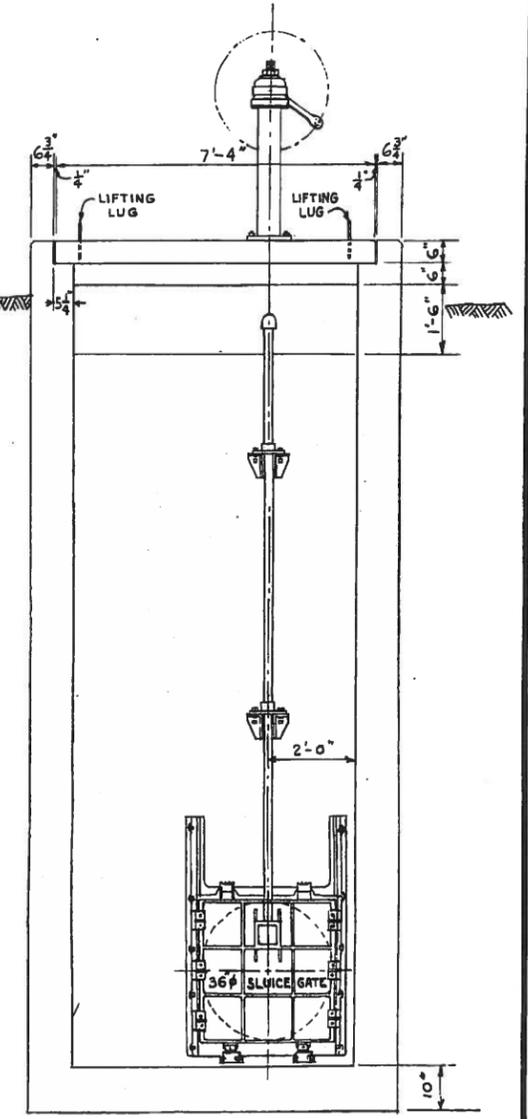
SEC. "C-C"



SEC. "B-B"



SEC. "D-D"



SEC. "E-E"

REVISIONS		
NO.	DESCRIPTION	DATE BY
1		
2		
3		
4		
5		
6		
7		
8		

THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS & WASTE DISPOSAL DIVISION
 SEWAGE DISPOSAL BRANCH

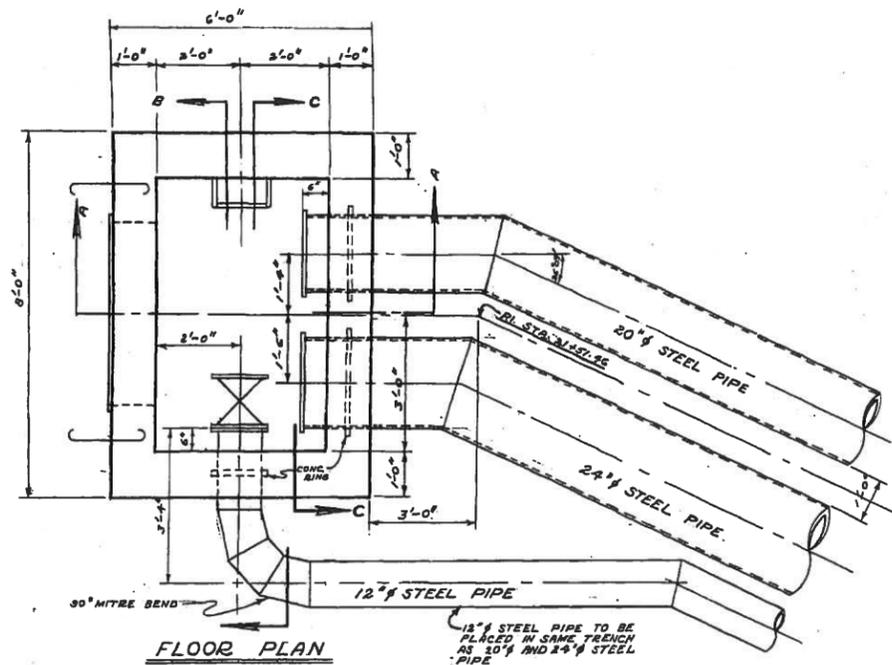
**ST. JAMES INTERCEPTOR
 PARKDALE GATE AND WEIR
 CHAMBER**

DESIGNED BY: *[Signature]*
 CHECKED BY: *[Signature]*
 DATE: APR 1963

APPROVED BY: *[Signature]*
 CHIEF ENGINEER

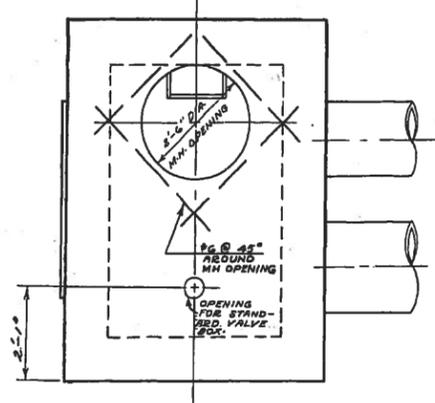
DRAWING NO. **436**

SCALE: 1/2"=1'-0"

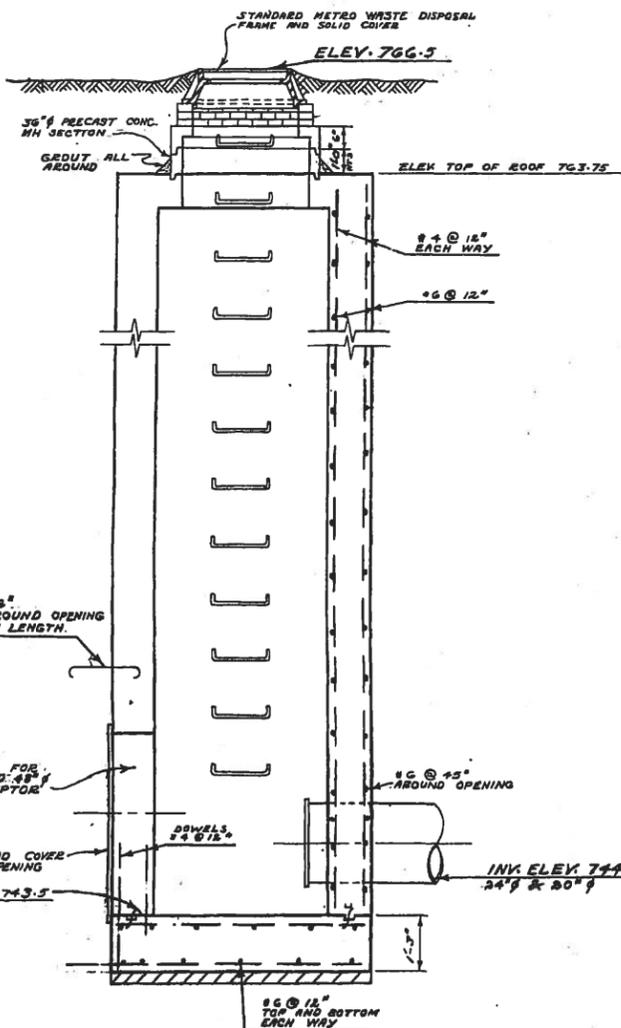


FLOOR PLAN

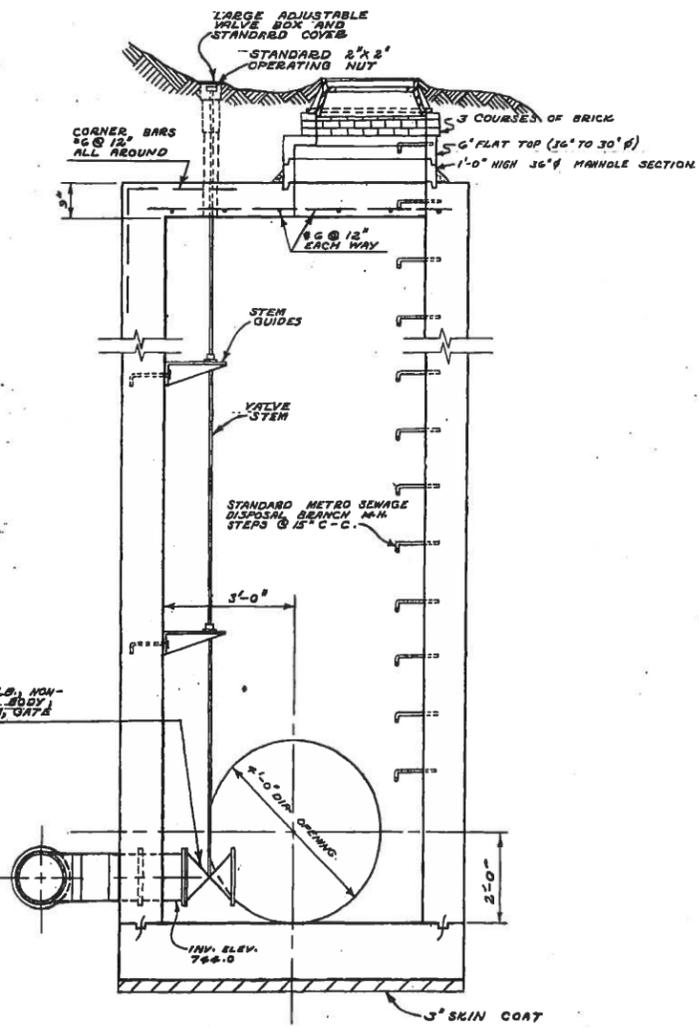
12" STEEL PIPE TO BE PLACED IN SAME TRENCH AS 20" AND 24" STEEL PIPE



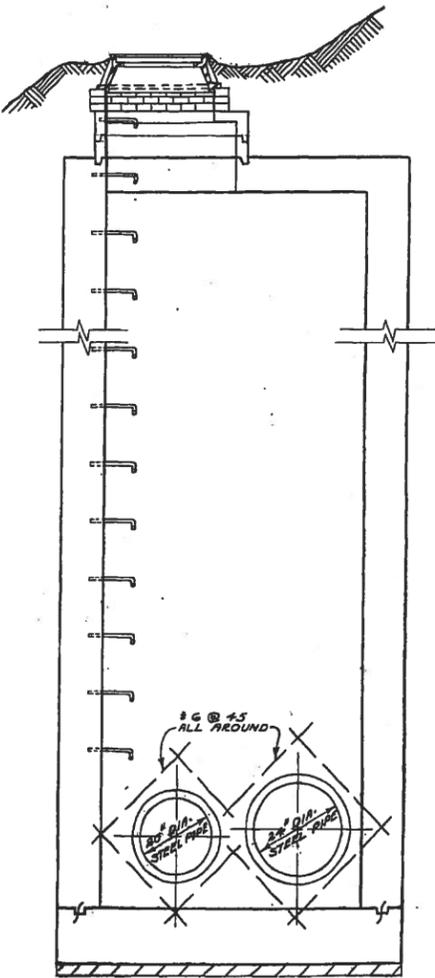
ROOF PLAN



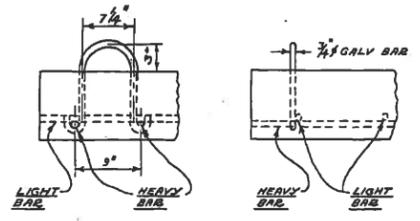
SECTION 'A-A'



SECTION 'B-B'



SECTION 'C-C'



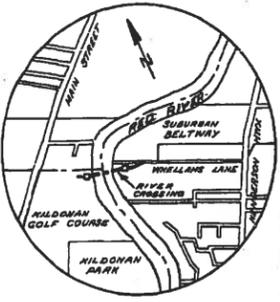
DETAIL OF LIFTING LUG

NOTE:
CONTRACTOR TO SUPPLY 1-20" AND 1-24" BLIND FLANGES FOR STEEL PIPE.

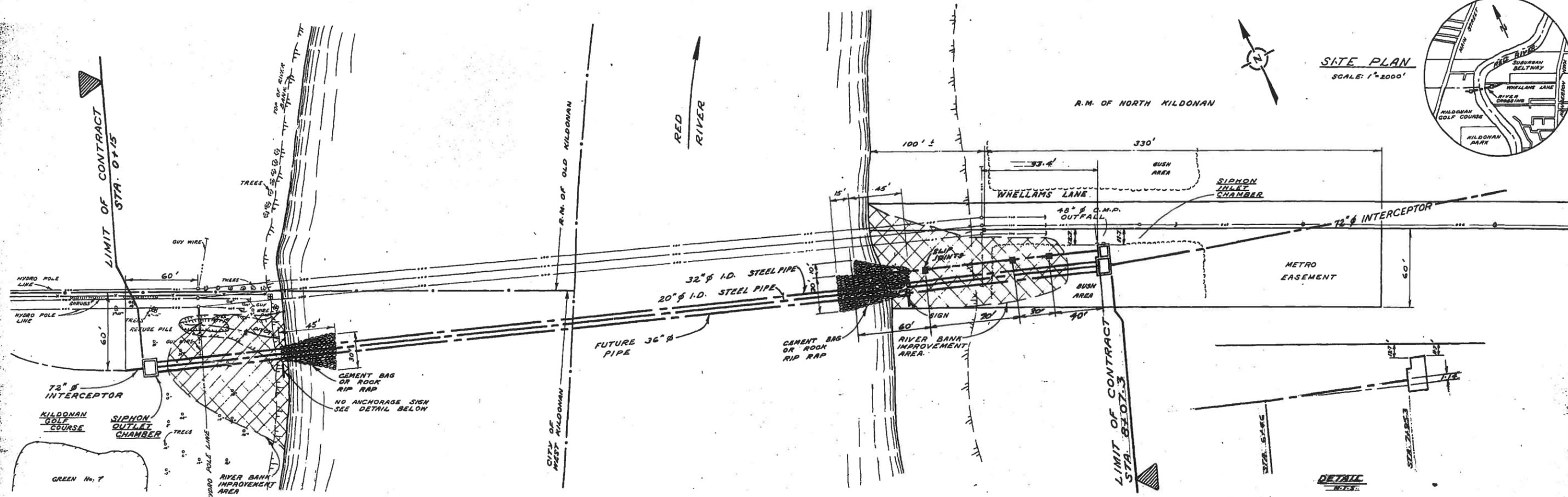


REVISIONS				THE METROPOLITAN CORPORATION OF GREATER WINNIPEG	
NO.	DESCRIPTION	DATE	BY	WATERWORKS & WASTE DISPOSAL DIVISION	
1				SEWERAGE DISPOSAL BRANCH	
2				ST. JAMES INTERCEPTOR	
3				SPECIAL MANHOLE ASSINIBOINE	
4				RIVER CROSSING	
5				APPROVED BY	CHECKED BY
6				DESIGNED BY	DATE
7				DRAWN BY	JUNE 1963
8				SCALE	1/2" = 1'-0"

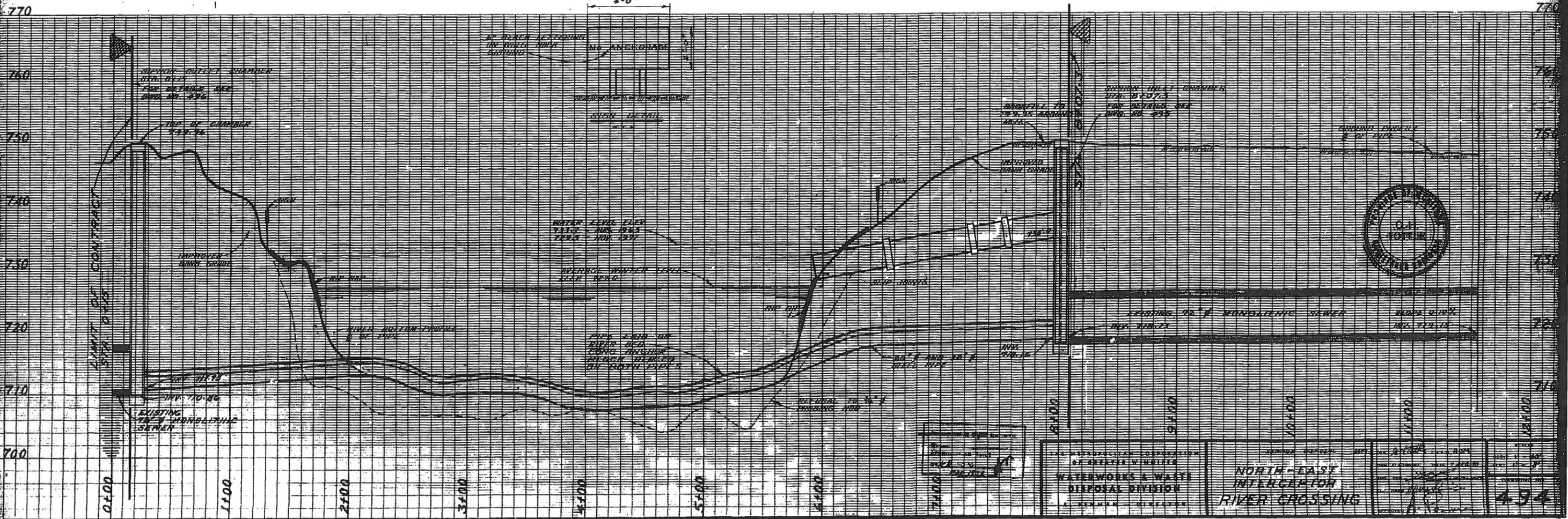
DRAWING NO. 438



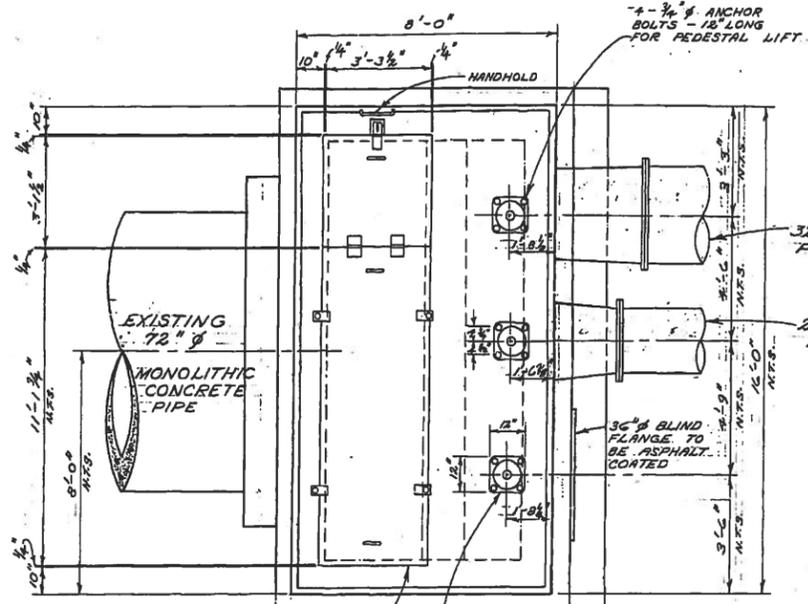
SITE PLAN
SCALE: 1"=8000'



DETAIL
NOTES:



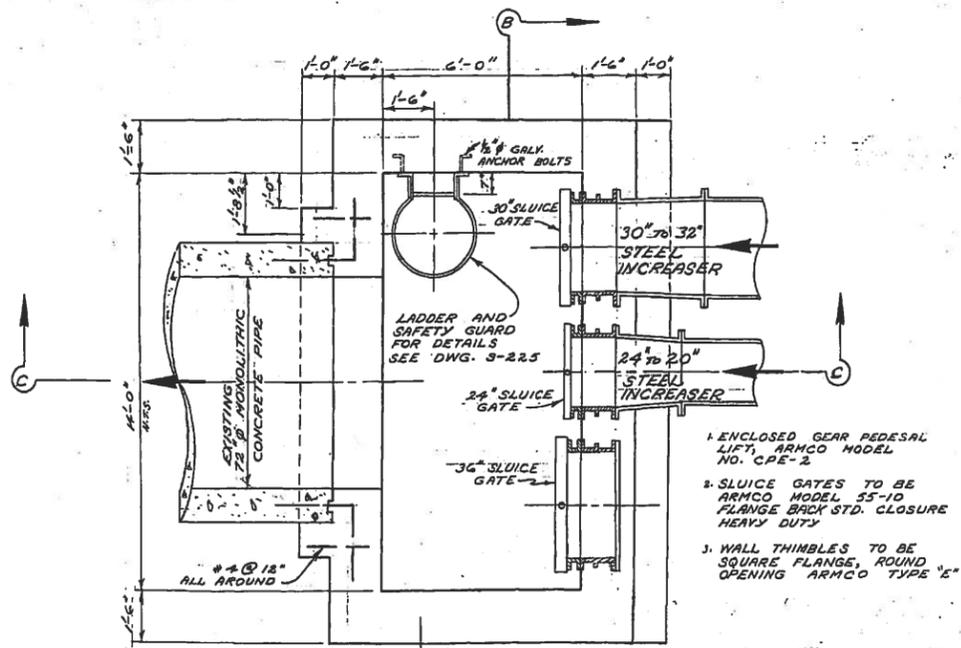
THE RESPONSIBLE OPERATION OF GREENE & WILSON WATERWORKS & WASTE DISPOSAL DIVISION	NORTH-EAST INTERCEPTOR RIVER CROSSING	494
--	--	-----



FOR DETAILS OF 1/4" PLATE COVER SEE DRAWING NO. 497

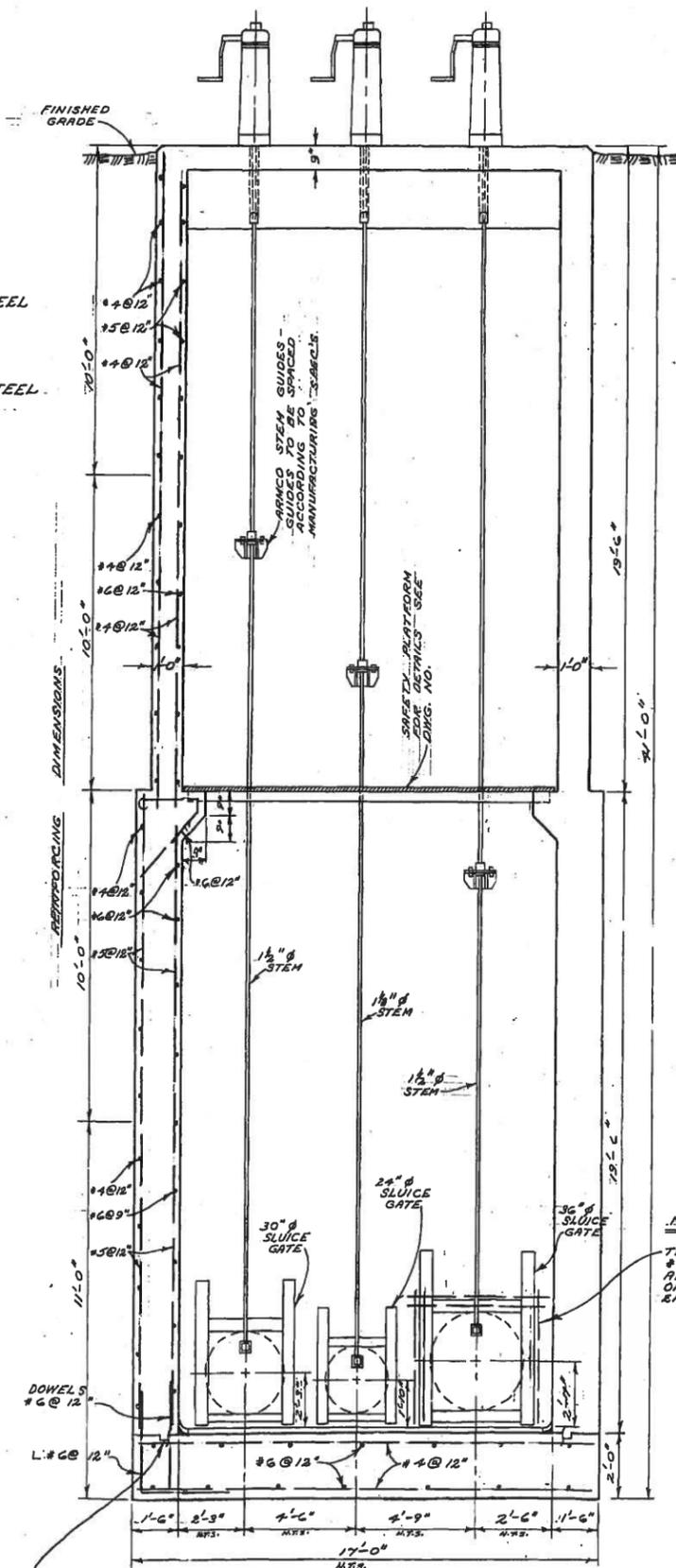
ENCLOSED GEAR PEDESTAL LIFT, ARMCO MODEL CPE-2

ROOF PLAN



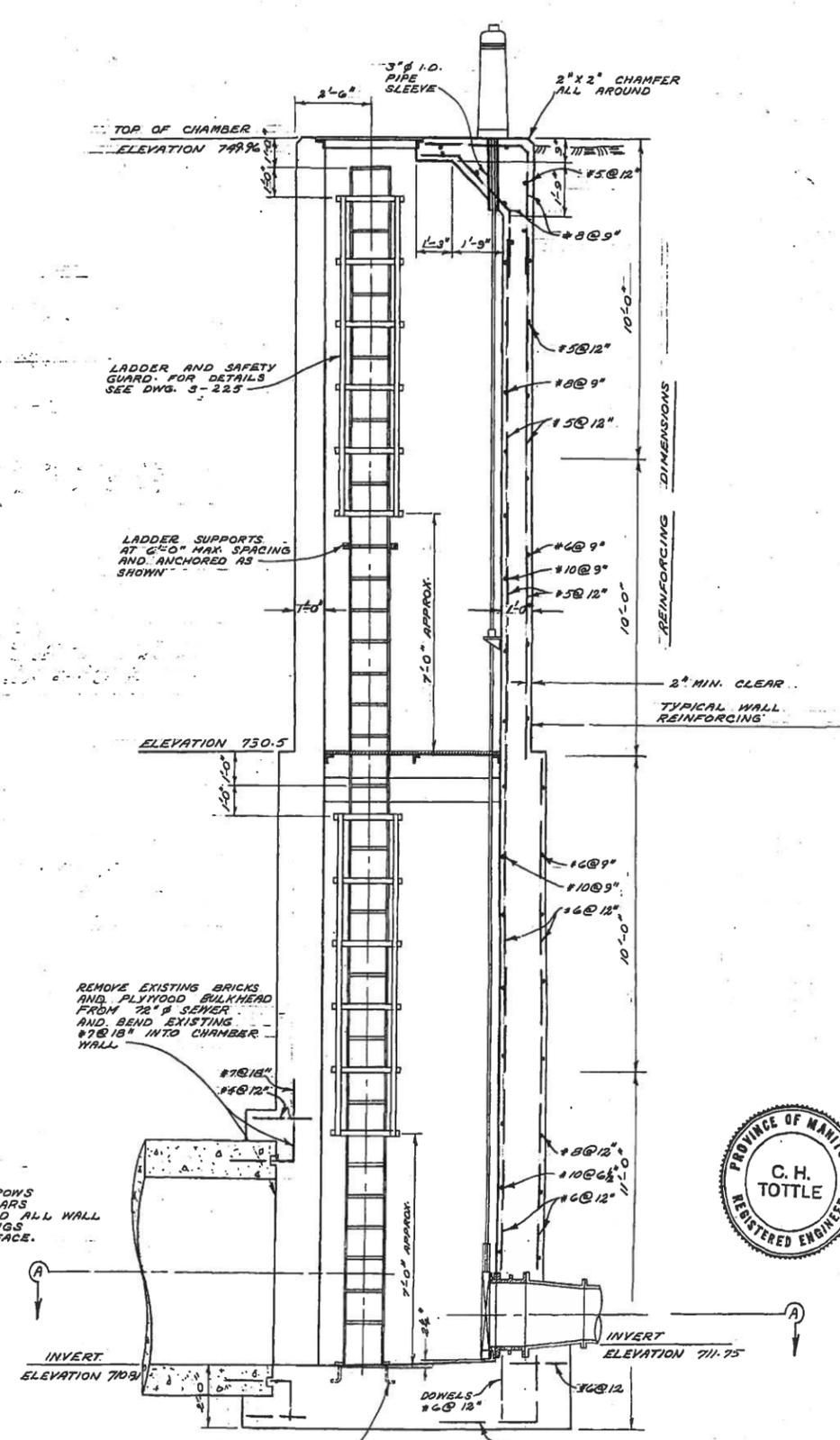
- ENCLOSED GEAR PEDESTAL LIFT, ARMCO MODEL NO. CPE-2
- SLUCE GATES TO BE ARMCO MODEL 55-10 FLANGE BACK STD. CLOSURE HEAVY DUTY
- WALL THIMBLES TO BE SQUARE FLANGE, ROUND OPENING ARMCO TYPE "E"

SECTION "A-A"



TYPICAL WATER-TITE CONSTRUCTION JOINT.

SECTION "B-B"



REMOVE EXISTING BRICKS AND PLYWOOD BULKHEAD FROM 72" Ø SEWER AND BEND EXISTING 72" Ø INTO CHAMBER WALL

NOTE
TWO ROWS #6 BARS AROUND ALL WALL OPENINGS EACH FACE.

SECTION "C-C"

SURVEYED & PLAN CHECKED BY [Signature]
APPROVED AS BUILT BY [Signature] MAR. 072

THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS & WASTE DISPOSAL DIVISION
A. PENMAN - DIRECTOR

SEWER DISPOSAL DEPT. [Signature] CH'VD. [Signature]
NORTH-EAST INTERCEPTOR RIVER CROSSING
SIPHON OUTLET CHAMBER
DATE JULY 1920
ENG. DES. [Signature]
ENG. [Signature]

PROVINCE OF MANITOBA REGISTERED ENGINEER
C. H. TOTTLE
SCALE: 3/8" = 1'-0"
DRAWING NO. 496

R. M. OF WEST KILDONAN

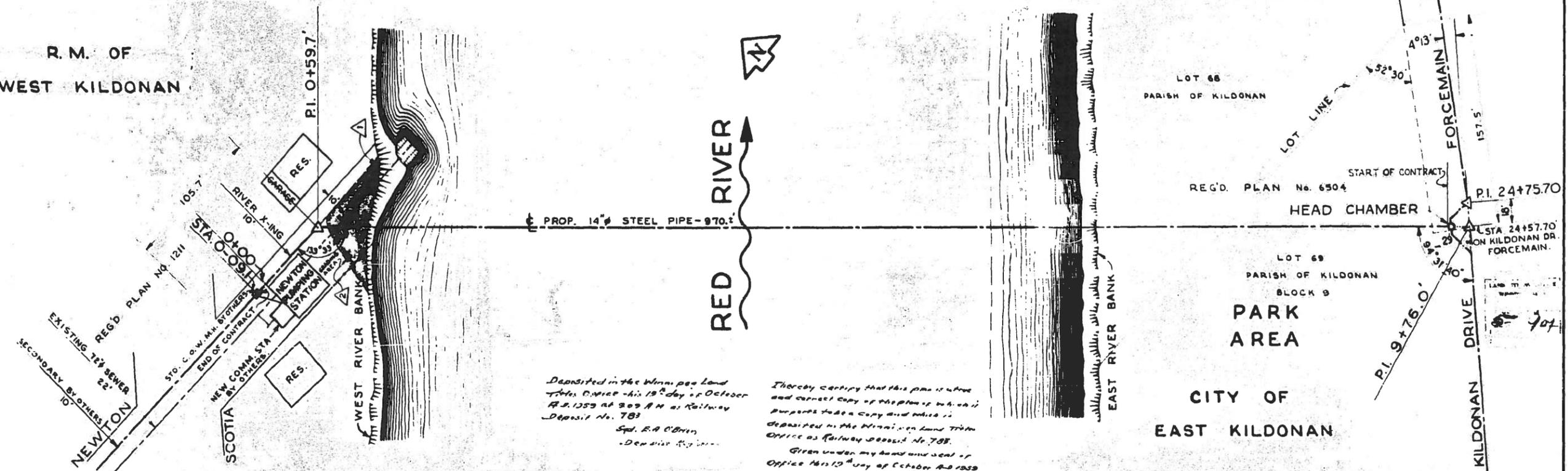
WEST E. OF KILDONAN DRIVE

LOT 66 PARISH OF KILDONAN

REG'D. PLAN No. 6504

PARK AREA

CITY OF EAST KILDONAN

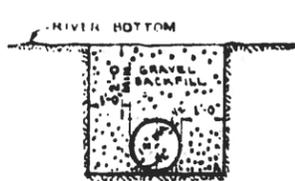
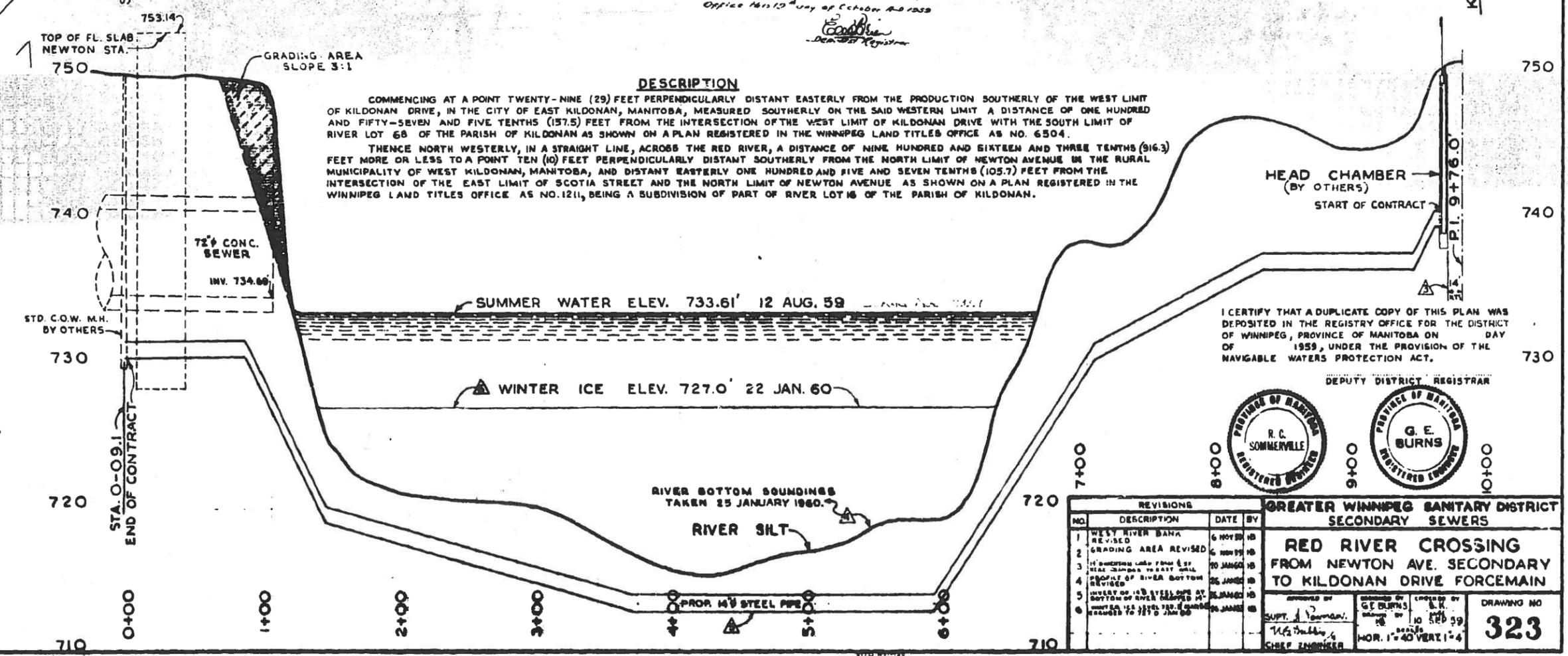


Deposited in the Winnipeg Land Titles Office this 13th day of October A.D. 1959 at 9:09 A.M. as Railway Deposit No. 783
Sgt. E.A. O'Brien
Deputy Registrar

I hereby certify that this plan is a true and correct copy of the plan of which a duplicate copy is deposited in the Winnipeg Land Titles Office as Railway Deposit No. 783.
Given under my hand and seal of Office this 13th day of October A.D. 1959
R.C. SOMMERVILLE
Deputy Registrar

DESCRIPTION

COMMENCING AT A POINT TWENTY-NINE (29) FEET PERPENDICULARLY DISTANT EASTERLY FROM THE PRODUCTION SOUTHERLY OF THE WEST LIMIT OF KILDONAN DRIVE, IN THE CITY OF EAST KILDONAN, MANITOBA, MEASURED SOUTHERLY ON THE SAID WESTERN LIMIT A DISTANCE OF ONE HUNDRED AND FIFTY-SEVEN AND FIVE TENTHS (157.5) FEET FROM THE INTERSECTION OF THE WEST LIMIT OF KILDONAN DRIVE WITH THE SOUTH LIMIT OF RIVER LOT 66 OF THE PARISH OF KILDONAN AS SHOWN ON A PLAN REGISTERED IN THE WINNIPEG LAND TITLES OFFICE AS NO. 6504.
THENCE NORTH WESTERLY, IN A STRAIGHT LINE, ACROSS THE RED RIVER, A DISTANCE OF NINE HUNDRED AND SIXTEEN AND THREE TENTHS (916.3) FEET MORE OR LESS TO A POINT TEN (10) FEET PERPENDICULARLY DISTANT SOUTHERLY FROM THE NORTH LIMIT OF NEWTON AVENUE IN THE MUNICIPALITY OF WEST KILDONAN, MANITOBA, AND DISTANT EASTERLY ONE HUNDRED AND FIVE AND SEVEN TENTHS (105.7) FEET FROM THE INTERSECTION OF THE EAST LIMIT OF SCOTIA STREET AND THE NORTH LIMIT OF NEWTON AVENUE AS SHOWN ON A PLAN REGISTERED IN THE WINNIPEG LAND TITLES OFFICE AS NO. 1211, BEING A SUBDIVISION OF PART OF RIVER LOT 66 OF THE PARISH OF KILDONAN.



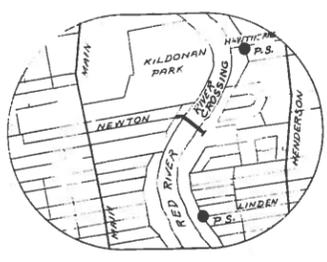
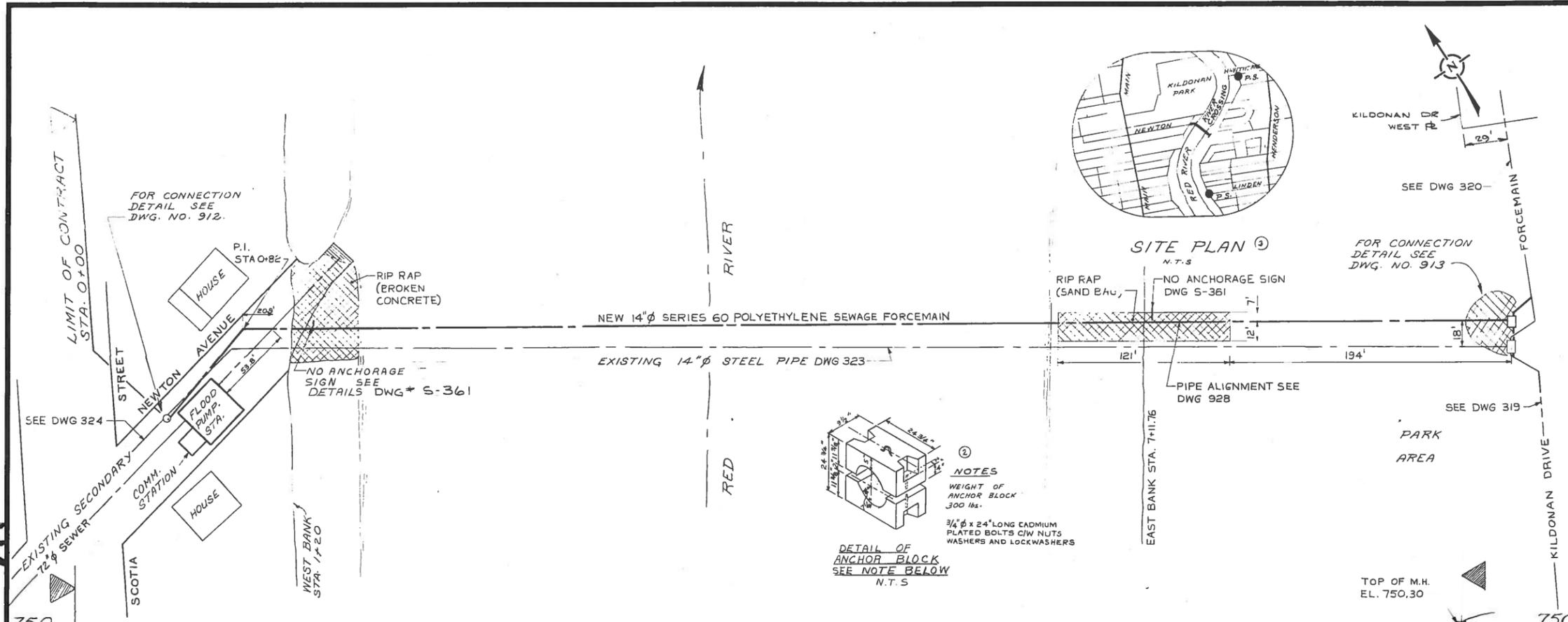
CROSS-SECTION OF 14\"/>

I CERTIFY THAT A DUPLICATE COPY OF THIS PLAN WAS DEPOSITED IN THE REGISTRY OFFICE FOR THE DISTRICT OF WINNIPEG, PROVINCE OF MANITOBA ON DAY OF 1959, UNDER THE PROVISION OF THE NAVIGABLE WATERS PROTECTION ACT.

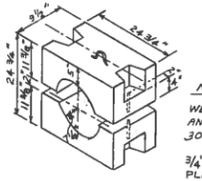


REVISIONS			GREATER WINNIPEG SANITARY DISTRICT SECONDARY SEWERS	
NO.	DESCRIPTION	DATE BY	APPROVED BY	DRAWING NO.
1	WEST RIVER BANK REVISED	6 NOV 58	Supt. J. Norman Chief Engineer	323
2	GRADING AREA REVISED	6 NOV 58		
3	IF DIMENSIONS LESS THAN 6 FT. MEAS. DIMENSIONS TO EAST WALL PROFILE OF RIVER BOTTOM REVISED	20 JAN 59		
4	WEST OF 100 FEET ELEV. ONE AT BOTTOM OF RIVER MEASURED AT	20 JAN 59		
5	WINTER ICE ELEV. 727.0' 22 JAN. 60	20 JAN 59		
6	WINTER ICE ELEV. 727.0' 22 JAN. 60	20 JAN 59		

911



SITE PLAN (3)
N.T.S.



DETAIL OF ANCHOR BLOCK
SEE NOTE BELOW
N.T.S.

NOTES
WEIGHT OF ANCHOR BLOCK 300 lbs.
3/4" x 24" LONG CADMIUM PLATED BOLTS C/W NUTS WASHERS AND LOCKWASHERS

LEGEND

WATERWORKS, WASTE AND DISPOSAL UNDERGROUND UTILITIES

PROPOSED FORCEMAIN, INTERCEPTOR OR SECONDARY SEWER ————

EXISTING FORCEMAIN, INTERCEPTOR OR SECONDARY SEWER ———— W.W.D. 14" SEWER

PROPOSED FEEDERMAIN ————

EXISTING FEEDERMAIN ———— W.W.D. 24" W.M.

W.W.D. — WATERWORKS, WASTE AND DISPOSAL

OTHER UNDERGROUND UTILITIES

COMMUNITY SEWER ————

COMMUNITY WATERMAIN ————

GAS ————

HYDRO DUCT ————

M.T.S. DUCT OR CABLE ————

STREET LIGHTING, RAILWAY SIGNAL OR TRAFFIC SIGNAL CABLE ————

SURFACE UTILITIES

COMMUNITY BOUNDARY LINE ————

FENCE LINE ————

POLE LINE ————

RAILWAY LINE ————

MISCELLANEOUS SYMBOLS

CATCH BASIN ————

CULVERT ————

HYDRANT ————

MANHOLE ————

HYDRO OR M.T.S. POLE ————

LAMP STANDARD ————

RAILWAY OR TRAFFIC SIGNAL STANDARD ————

SURVEY BAR ————

TREE ————

VALVE ————

NOTES

NO.	DESCRIPTION	DATE	BY
7	REVISED TO AS BUILT	AUG 18/78	VD
6	SERIES 80 CHANGED TO 60	OCT 1/77	VD.
5	SUMMER WATER LEVEL ADDED	OCT 1/77	VD.
4	NOTE - PIPE ALIGNMENT	OCT 1/77	VD
3	SITE PLAN REVISED	OCT 1/77	VD
2	ANCHOR BLOCK DIM. CHANGED, NOTE ADDED	OCT 1/77	VD
1	RIVER CROSSING X-SECTION REMOVED	OCT 1/77	VD

REVISIONS

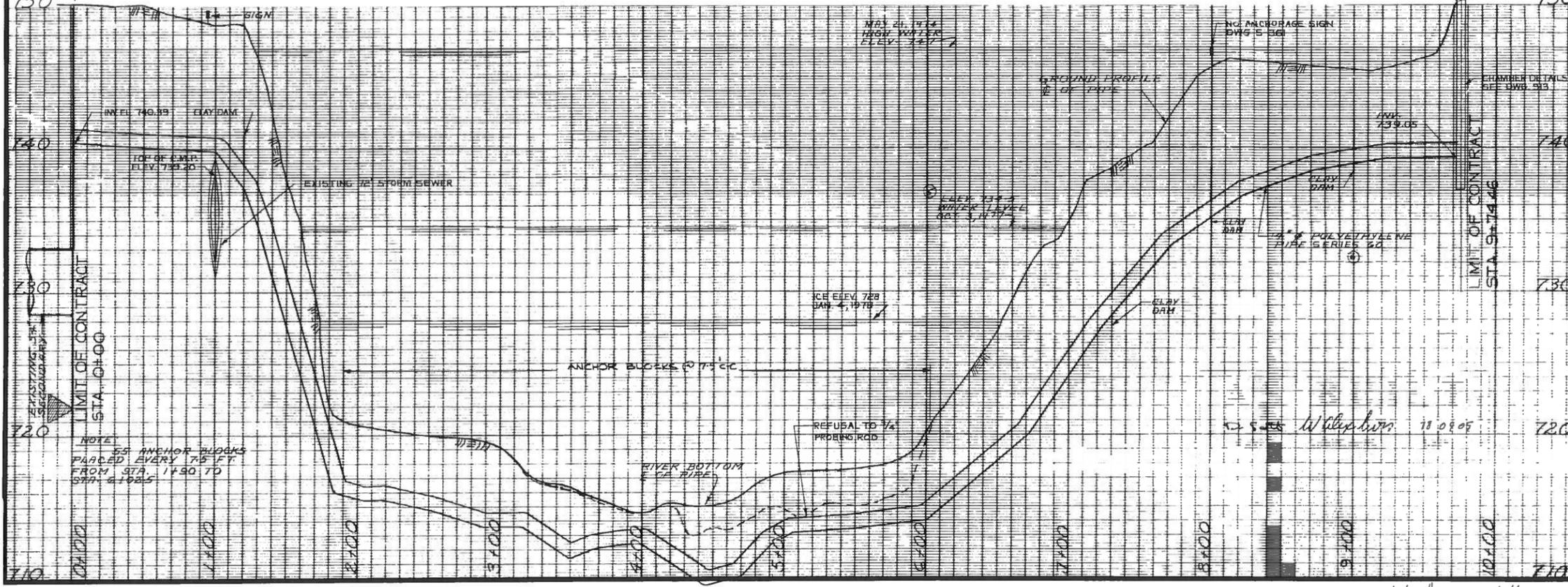
FIELD BOOK(S) NO. F 472	SURVEYED BY R. TAPLIN
LAND SURVEY PLAN(S) NO.	DATE Nov. 1, 1976
B.M. GEO. 2-12-005	

The City of Winnipeg
Waterworks, Waste and Disposal Division

ENGINEERING BRANCH
WASTE DISPOSAL

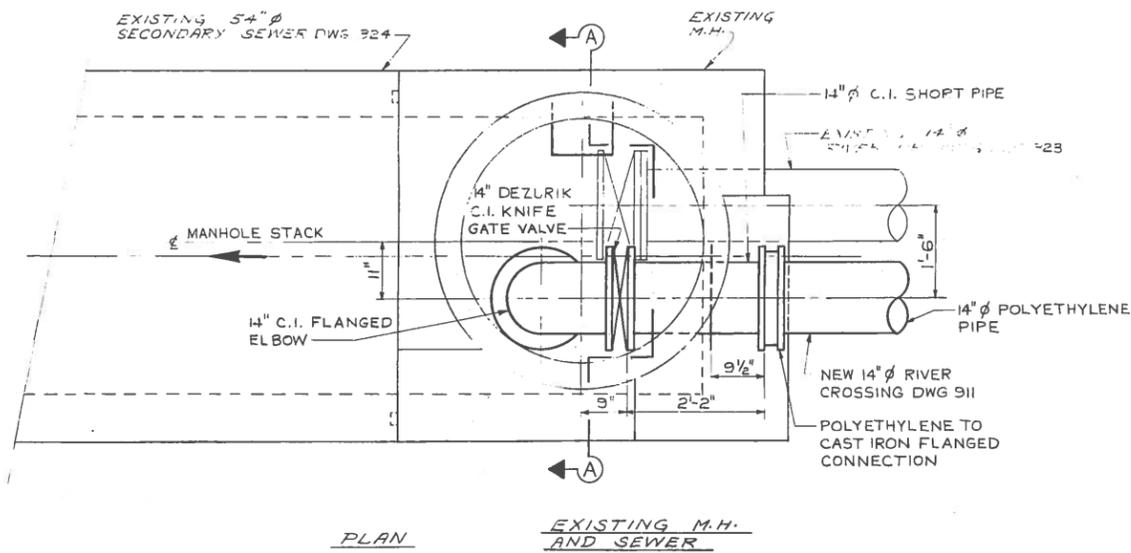
**NEWTON RIVER X-ING
PLAN PROFILE**

DESIGNED BY B. BRICK	DRAWN BY V. DUMORE
CHECKED BY [Signature]	DATE JUNE 1977
APPROVED BY [Signature]	
SCALE HOR. 1" = 40'	DRAWING NO. 911
VERT. 1" = 4'	

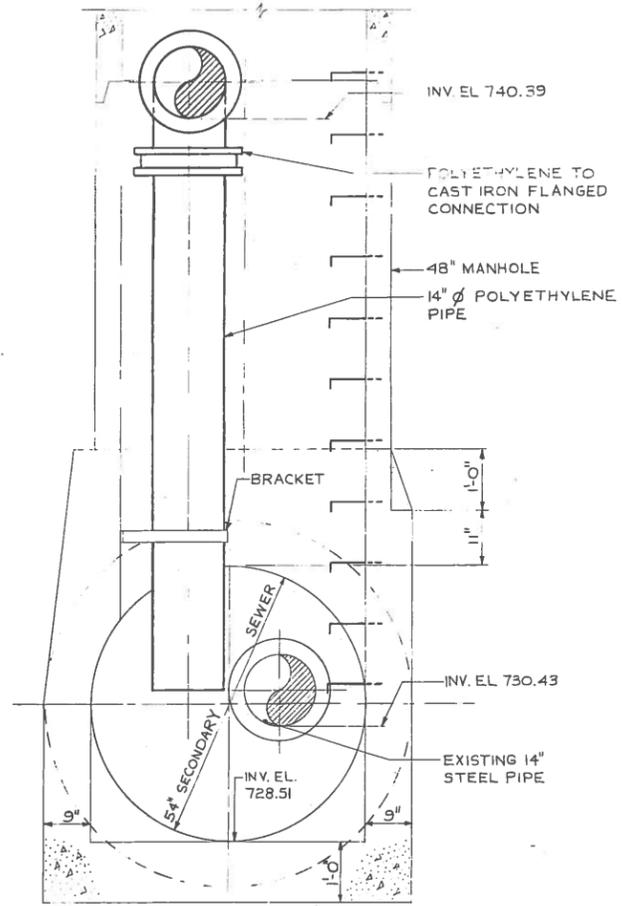


file # M/S 10641

MICROFILMED, MAY 11 1985



PLAN
EXISTING M.H. AND SEWER



SECTION A-A

D. Sect. W. Chydlowski 78 of 11

NO.	DESCRIPTION	DATE	BY
4	REVISED TO AS BUILT	AUG 24/78	BB
3	1/8" RUBBER GASKET	OCT 6/77	BB
2	FILLER PLATE DIMENSION CHANGE	OCT 4/77	BB
1	SERIES 80 CHANGED TO 60	OCT 4/77	BB

REVISIONS

The City of Winnipeg
Waterworks, Waste and Disposal Division

ENGINEERING BRANCH
WASTE DISPOSAL

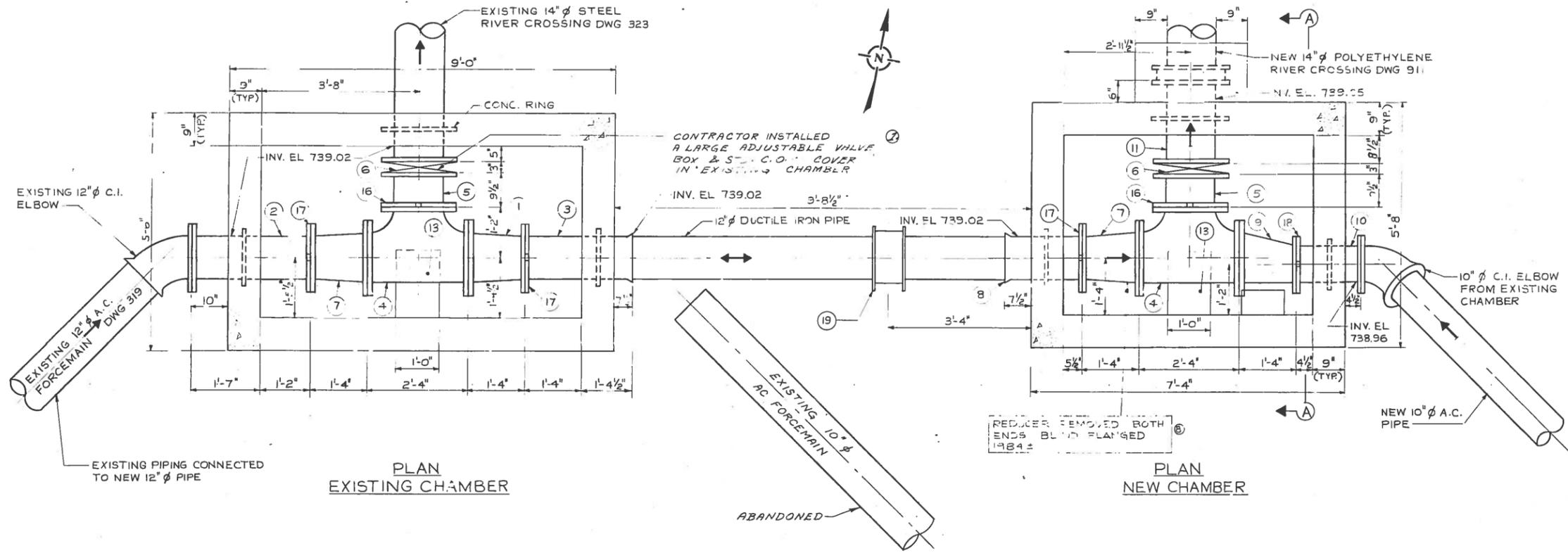
NEWTON RIVER X-ING
NEWTON AVE. & SCOTIA ST.
CONNECTION DETAILS
TO 54" Ø SECONDARY

DESIGNED BY B BRICK	DRAWN BY V.D.
CHECKED BY <i>[Signature]</i>	DATE JUNE 1977
APPROVED BY <i>[Signature]</i>	
SCALE 3/4" = 1'-0"	DRAWING NO. 912

file # MS10642

9/a

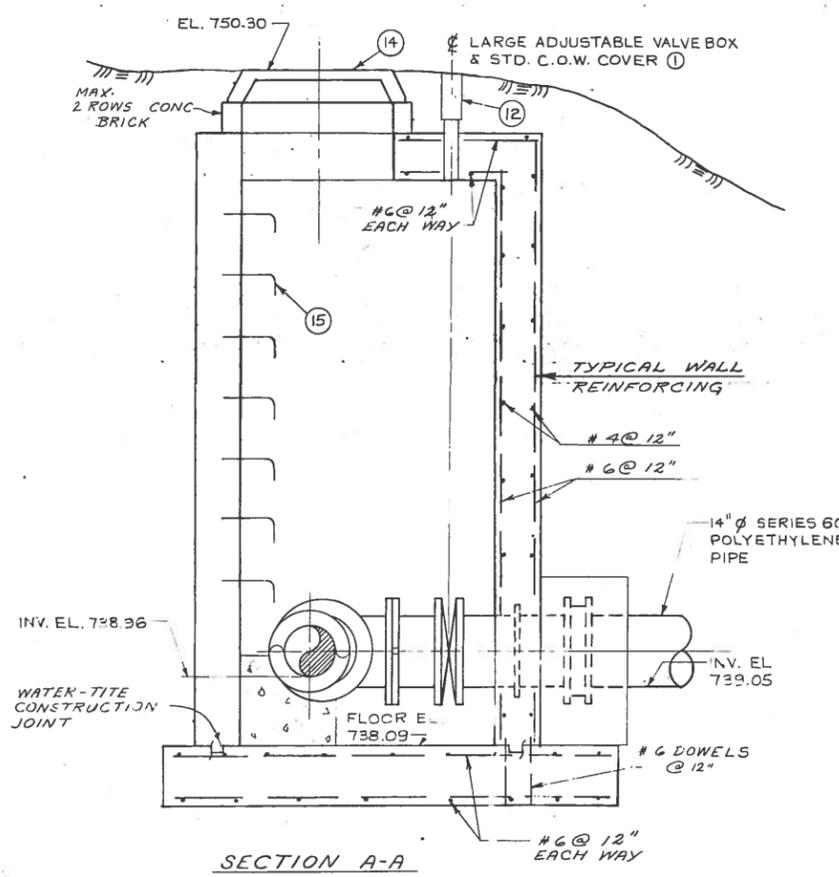
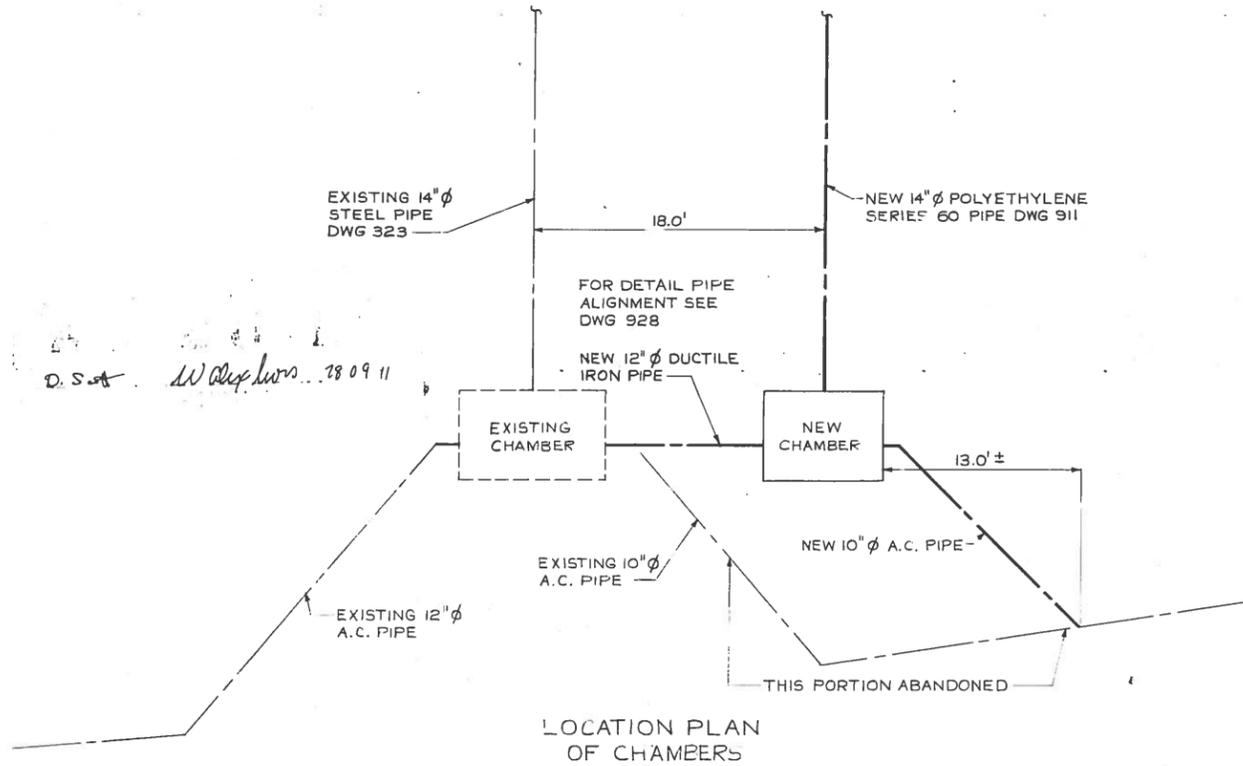
City of Winnipeg
W005462



LIST OF MATERIAL

Item	Description	Length	Quantity
1	14"x12" Eccentric reducer flg. to vict.	1'-4"	1
2	12" wall piece c/w conc. ring flg to vict.	2'-9"	1
3	12" wall piece c/w conc. ring bell to vict.	2'-6"	1
4	14"x14"x14" Tee vict to vict to vict	2'-4"	2
5	14" Short pipe vict to flg.	0'-9 1/2"	2
6	14" Dezurik knife gate valve	0'-3"	2
7	14"x12" Concentric reducer flg. to vict.	1'-4"	2
8	12" Wall piece c/w conc. ring bell to vict.	1'-6"	1
9	14"x10" Eccentric reducer flg. to vict.	1'-4"	1
10	10" Wall piece c/w conc. ring flg. to vict.	1'-6"	1
11	14" Wall piece c/w conc. ring flg. to flg.	1'-11"	2
12	Valve box	-	1
13	Poured in place concrete saddle	-	2
14	Standard City of Wpg M.H. frame and cover	-	1
15	Standard City of Wpg M.H. steps	-	-
16	14" Adapter flange vict style 341	-	2
17	12" Adapter flange vict style 341	-	3
18	10" Adapter flange vict style 341	-	1
19	12" Robar coupling Style B7-B7	-	1

NOTE:
 1. ALL PIPE AND FITTINGS IN EXISTING AND NEW CHAMBERS ARE CAST IRON.



NO.	DESCRIPTION	DATE	BY
1	ADDED NOTE	TAN 92	EN
2	REVISED TO AS BUILT	AUG 18	EN
3	NOTE ADDED - VICT ADAPTER FLG	OCT 17	V.D.
4	DIMENSIONS CHANGED PROPOSED PIT	OCT 17	V.D.
5	SERIES 80 CHANGED TO 60	OCT 17	BB
6	ITEMS 9, 11, 12, CHANGED	OCT 17	UD
7	STYLE 77 CHANGED TO STYLE 31	OCT 17	UD
8	LARGE ADJ. VALVE BOXES ADDED	OCT 17	UD

REVISIONS

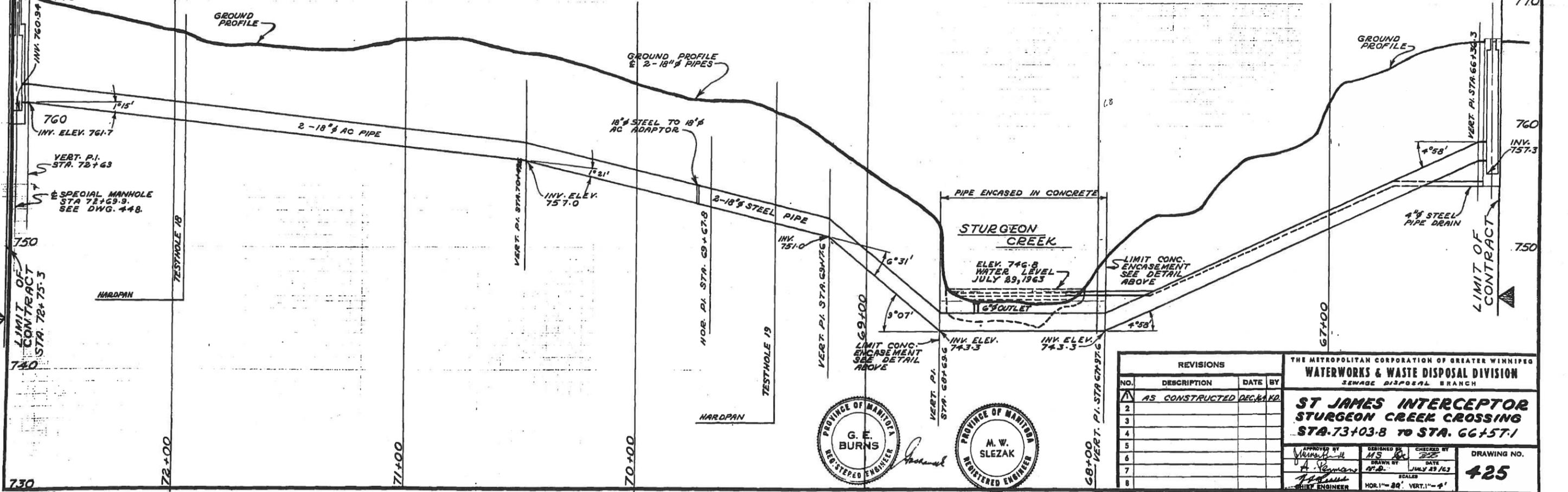
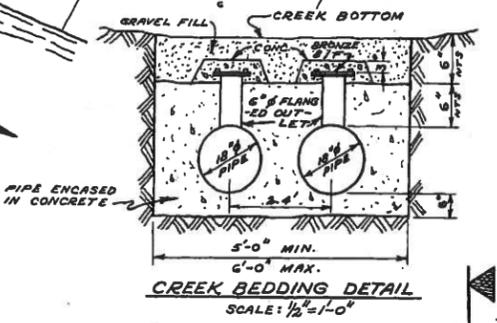
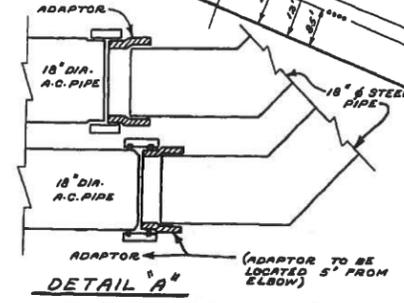
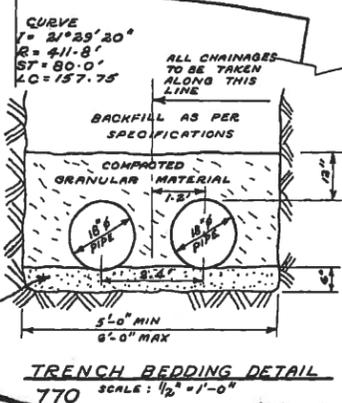
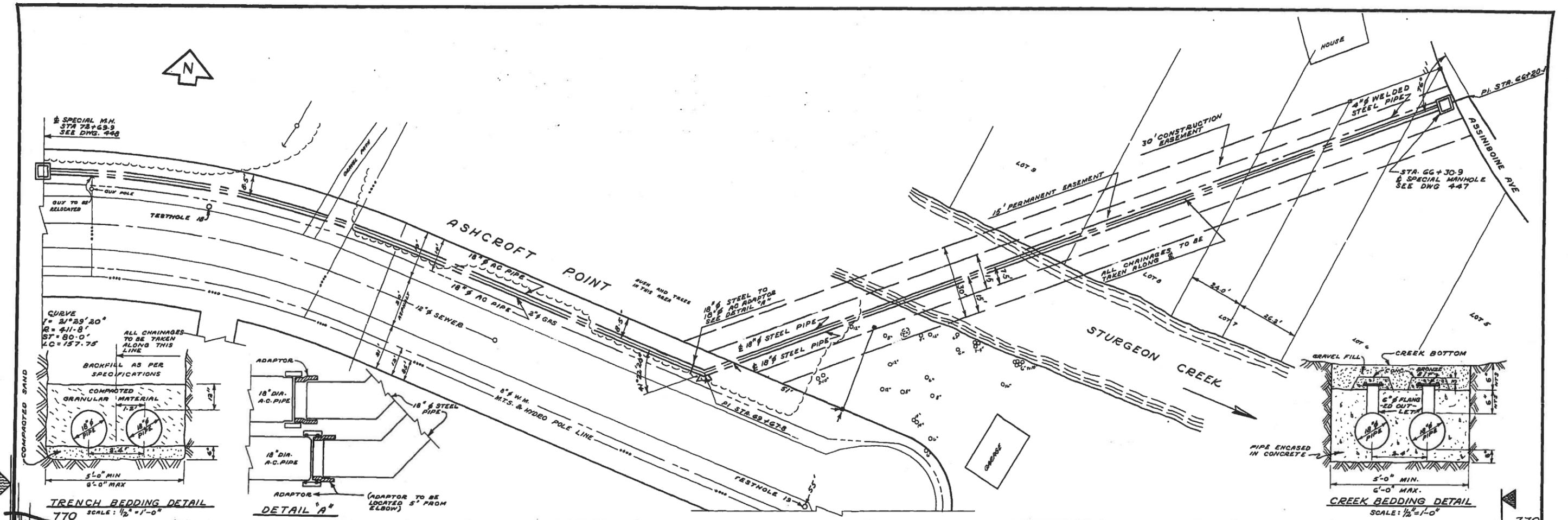
The City of Winnipeg
 Waterworks, Waste and Disposal Division

ENGINEERING BRANCH
 WASTE DISPOSAL

NEWTON RIVER X-ING
 VALVE CHAMBER
 DETAILS

DESIGNED BY B. BRICK	DRAWN BY V. DUMORE
CHECKED BY <i>[Signature]</i>	DATE JUNE 1977
APPROVED BY <i>[Signature]</i>	DRAWING NO. 913
SCALE 3/4" = 1'-0" OR AS NOTED	

file # IN10473



PROVINCE OF MANITOBA
G. E. BURNS
 REGISTERED ENGINEER

PROVINCE OF MANITOBA
M. W. SLEZAK
 REGISTERED ENGINEER

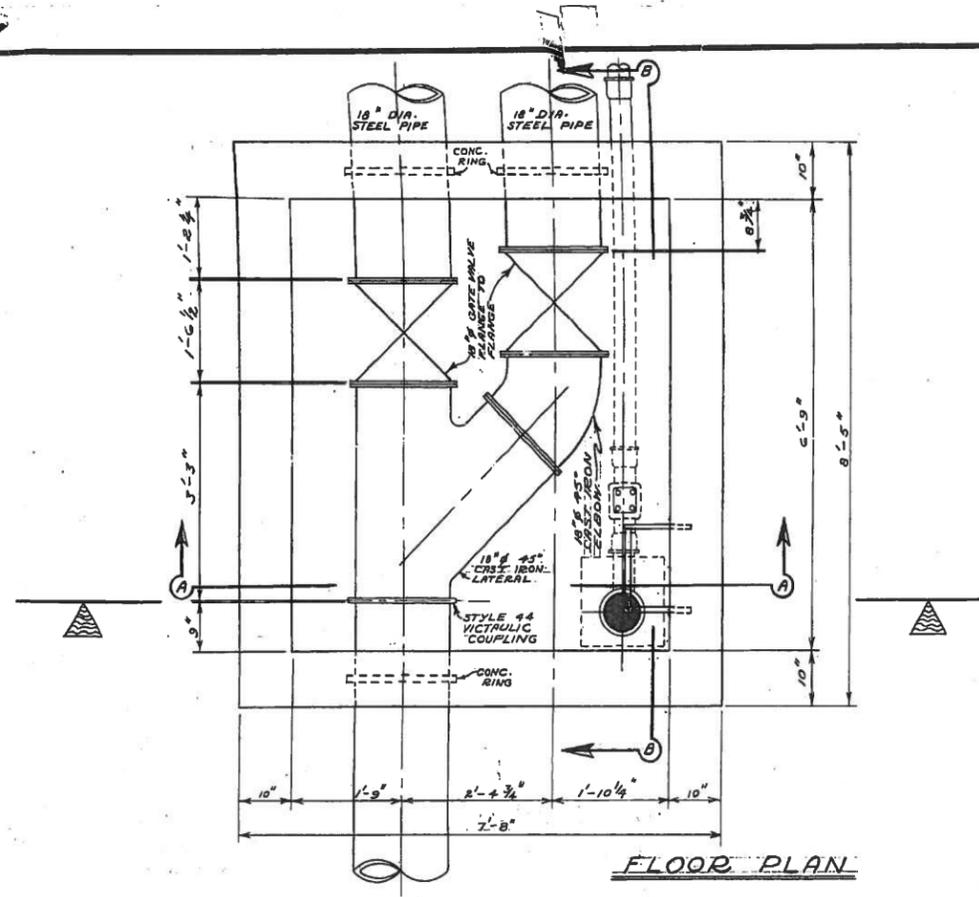
REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	AS CONSTRUCTED	DEC. 1963	DECKARD
2			
3			
4			
5			
6			
7			
8			

THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS & WASTE DISPOSAL DIVISION
 SEWAGE DISPOSAL BRANCH

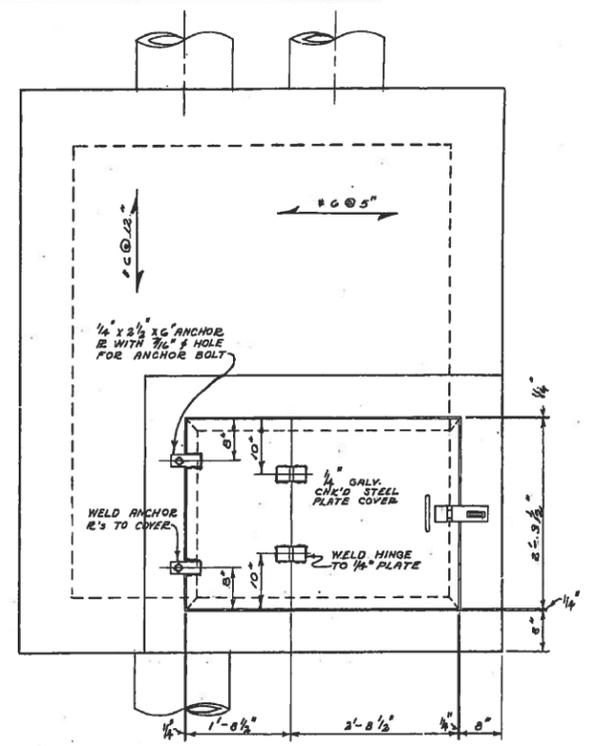
ST JAMES INTERCEPTOR
STURGEON CREEK CROSSING
STA. 73+03.8 TO STA. 66+57.1

APPROVED BY: *[Signature]* DATE: JULY 29/63
 DRAWN BY: *[Signature]*
 CHECKED BY: *[Signature]*
 SCALE: HOR. 1" = 80' VERT. 1" = 4'

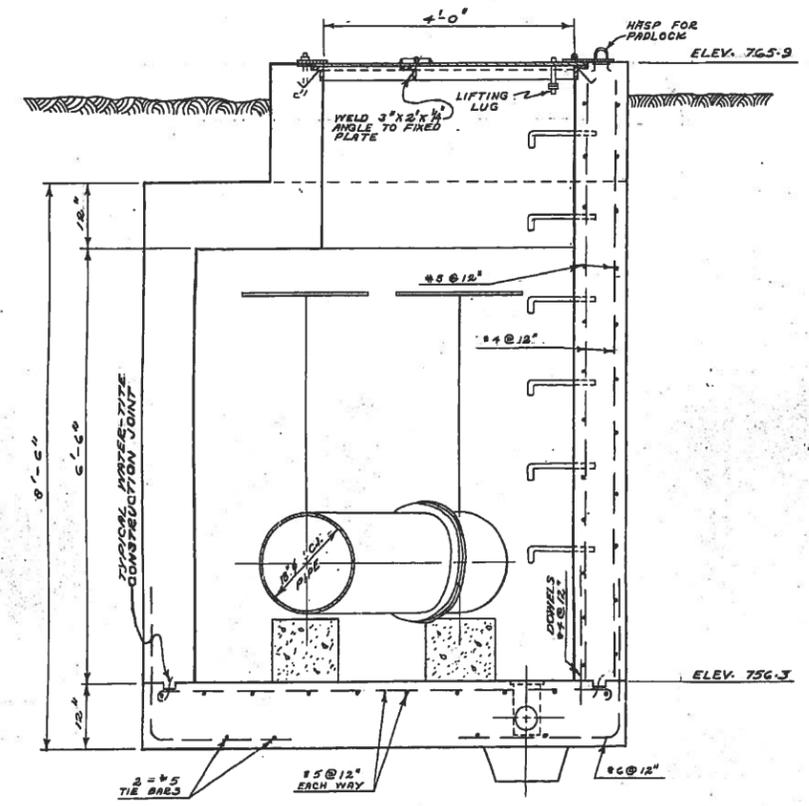
DRAWING NO. **425**



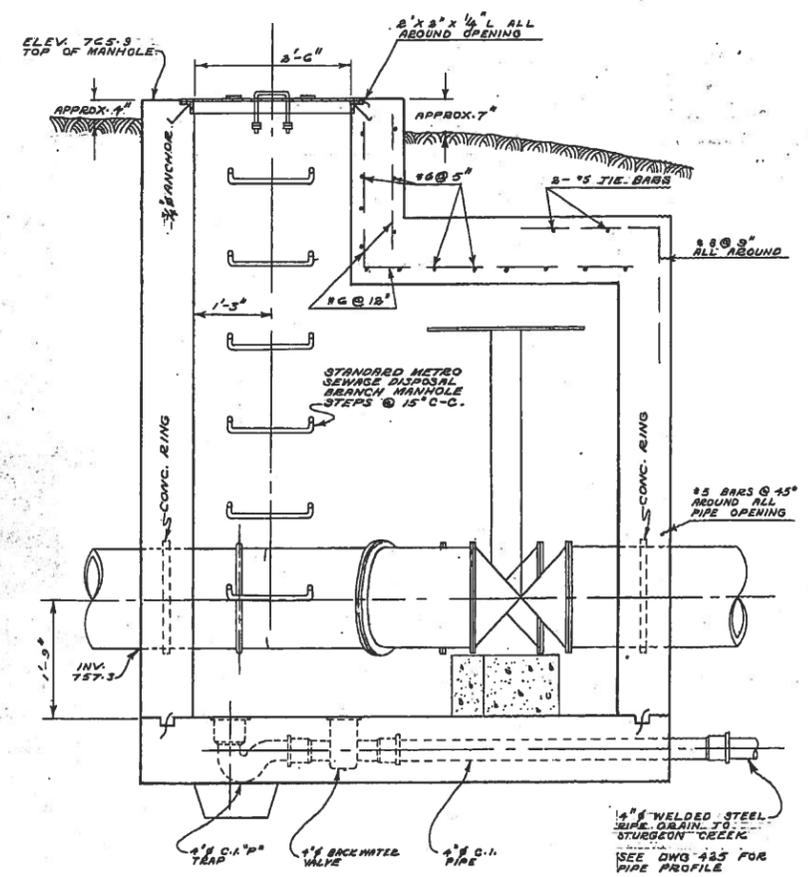
FLOOR PLAN



ROOF PLAN



SECTION A-A



SECTION B-B

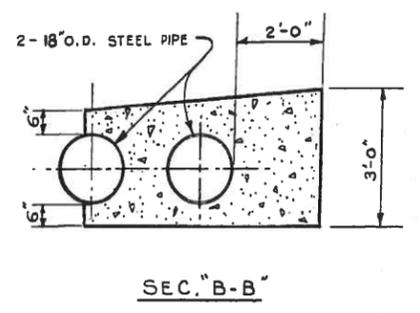
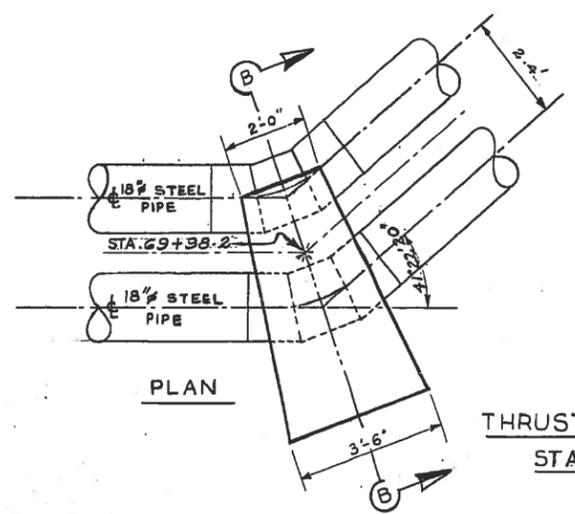
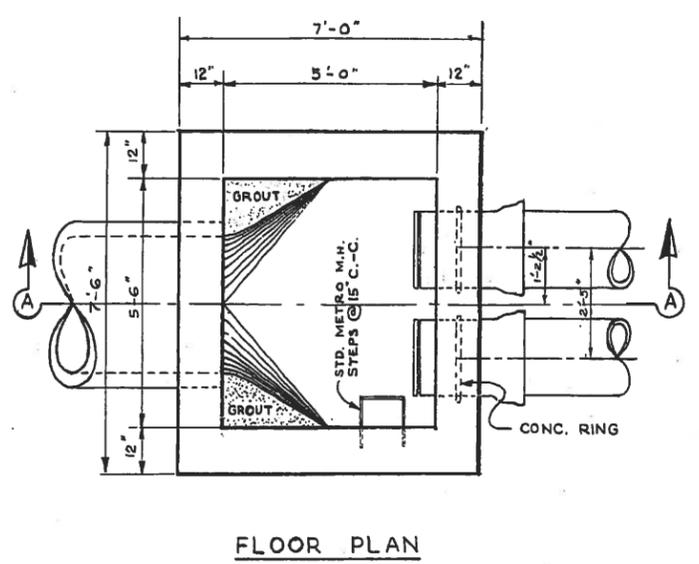
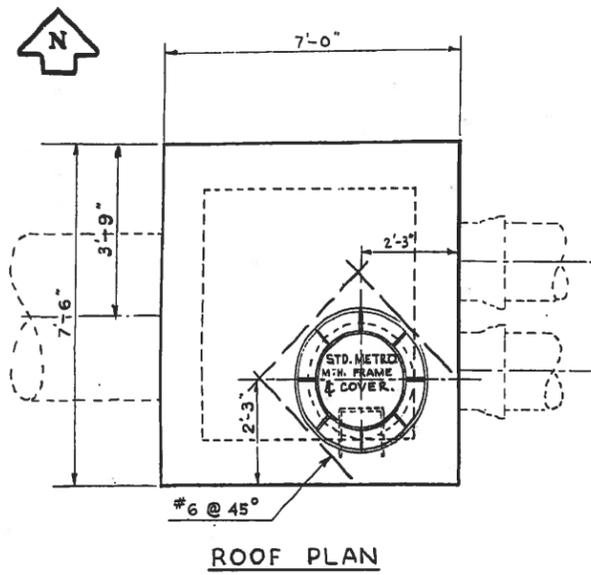
AS BUILT
MAR. 1921 - E.D.

HOT GALVANIZE ALL MISCELLANEOUS IRON AND STEEL WORK.



REVISIONS		
NO.	DESCRIPTION	DATE BY
1		
2		
3		
4		
5		
6		
7		
8		

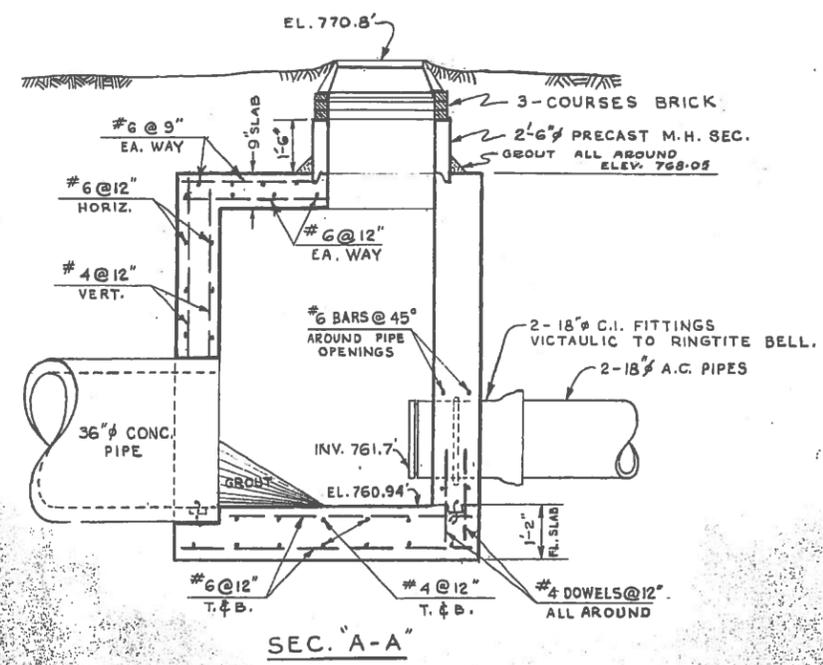
THE METROPOLITAN CORPORATION OF GREATER WINNIPEG			
WATERWORKS & WASTE DISPOSAL DIVISION			
SEWAGE DISPOSAL BRANCH			
ST. JAMES INTERCEPTOR			
SPECIAL MANHOLE STA. 66+613			
ASSINIBOINE AVE.			
STURGEON CREEK X-ING			
APPROVED BY	DESIGNED BY	CHECKED BY	DRAWING NO.
<i>[Signature]</i>	M.S. SC	225	447
DRAWN BY	DATE	SCALE	
<i>[Signature]</i>	JUNE 1963	1/4" = 1'-0"	
CIVIL ENGINEER			



THRUST BLOCK DETAIL
STA. 69+98.2

NOTES

- 1 HOT. GALV. ALL MISC. IRON & STEEL WORK.
- 2 CEMENT FONDU SHALL BE USED IN ALL CONC. WORK FOR SPECIAL MANHOLE.
- 3 SUPPLY 2-18" STYLE 44 VICTAULIC COUPLINGS

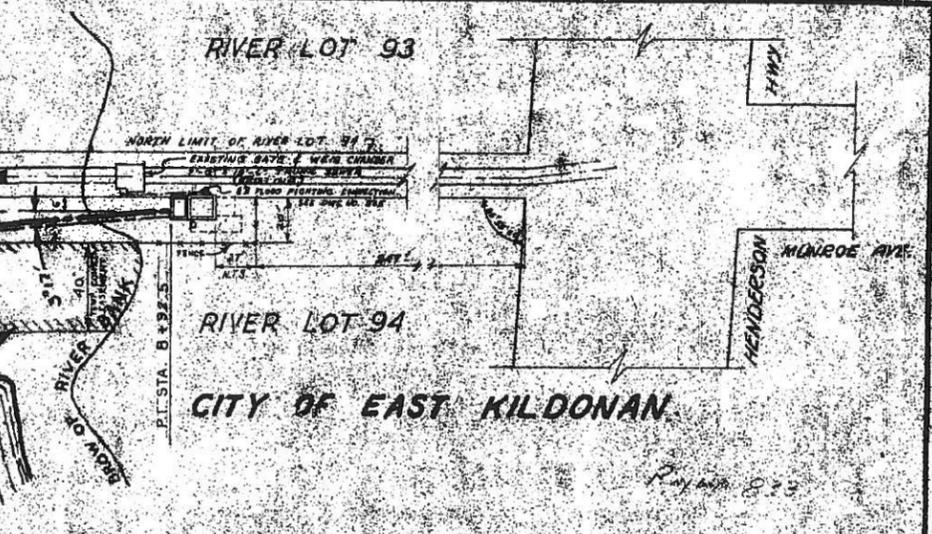
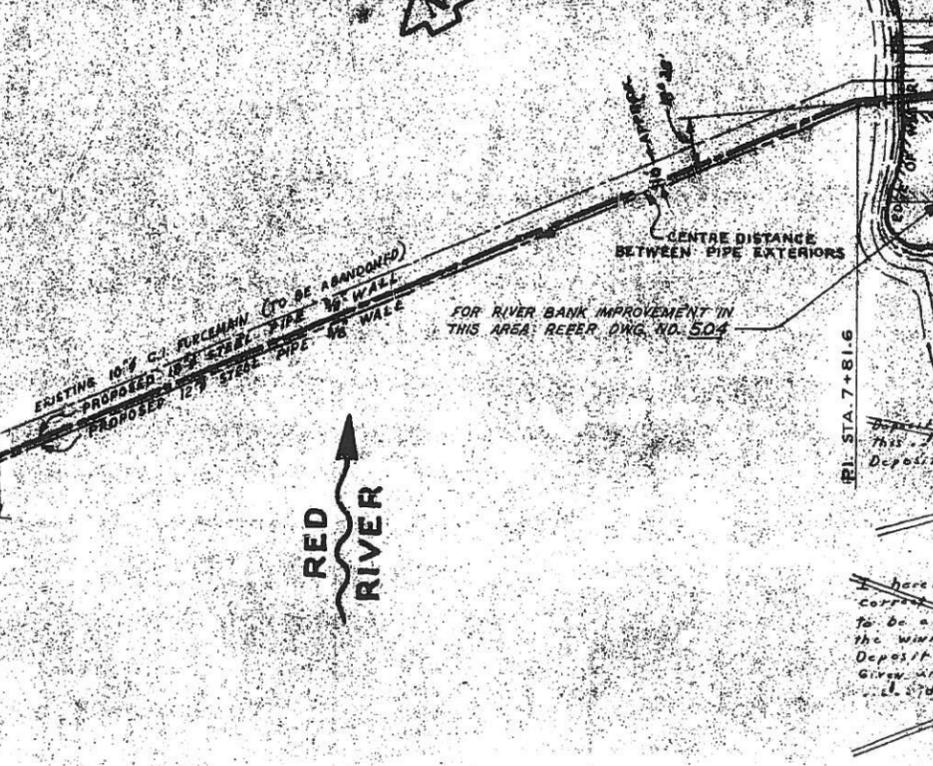
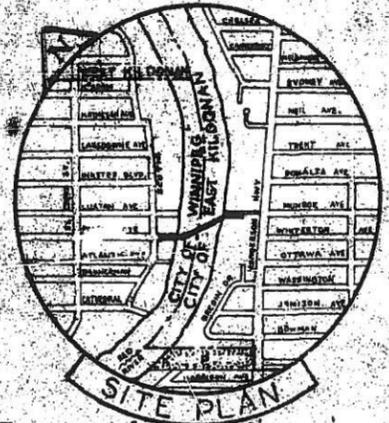


SPECIAL MANHOLE AT ASHCROFT PT.
STA. 73+00.3

AS BUILT
MAR. 1971. V.D.



REVISIONS				THE METROPOLITAN CORPORATION OF GREATER WINNIPEG	
NO.	DESCRIPTION	DATE	BY	WATERWORKS & WASTE DISPOSAL DIVISION	
1				SEWAGE DISPOSAL BRANCH	
2				ST. JAMES INTERCEPTOR	
3				SPECIAL M.H. AT ASHCROFT PT.	
4				STA. 73+00.3 & T.B. AT STA. 69+98.2	
5				APPROVED BY	CHECKED BY
6				DESIGNED BY	DATE
7				DRAWN BY	31 MAY 63
8				SCALE	DRAWING NO.
				1/2" = 1'-0"	448

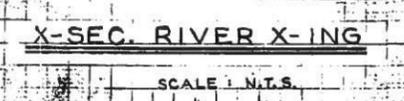
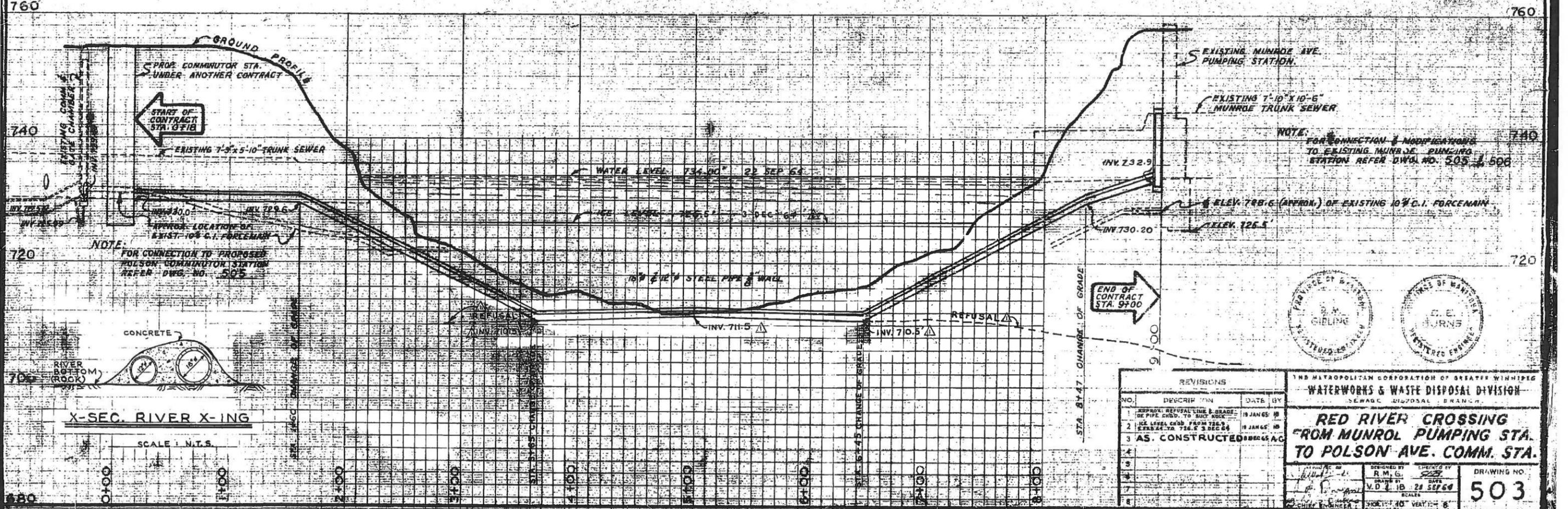


Deposited in the Winnipeg Land Titles Office
 This Plan of 22nd Sept. A.D. 1964 of 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

I hereby certify that this is a true and correct print of the plan of which it purports to be a print and which is registered in the Winnipeg Land Titles Office as Railway Deposit No. 833.
 Given under my hand and seal of office this 11th day of Sept. A.D. 1964.
 E. A. O'Brien
 Dep. District Registrar

I certify that a duplicate copy of this plan was deposited in the Registry Office for the District of Winnipeg, Province of Manitoba on the 11th day of Sept. A.D. 1964, under the provision of the Navigable Waters Protection Act.
 DEPUTY DISTRICT REGISTRAR

SEE NOTE BELOW TITLE.



NO.	DESCRIPTION	DATE	BY
1	APPROX. REFUSAL LINE & GRADE OF PIPE CHG. TO SUCT. ROCK	19 JAN 65	MB
2	ICE LEVELS FROM 725.5 TO 726.5	19 JAN 65	MB
3	AS. CONSTRUCTED	28 DEC 64	AG
4			
5			
6			
7			
8			

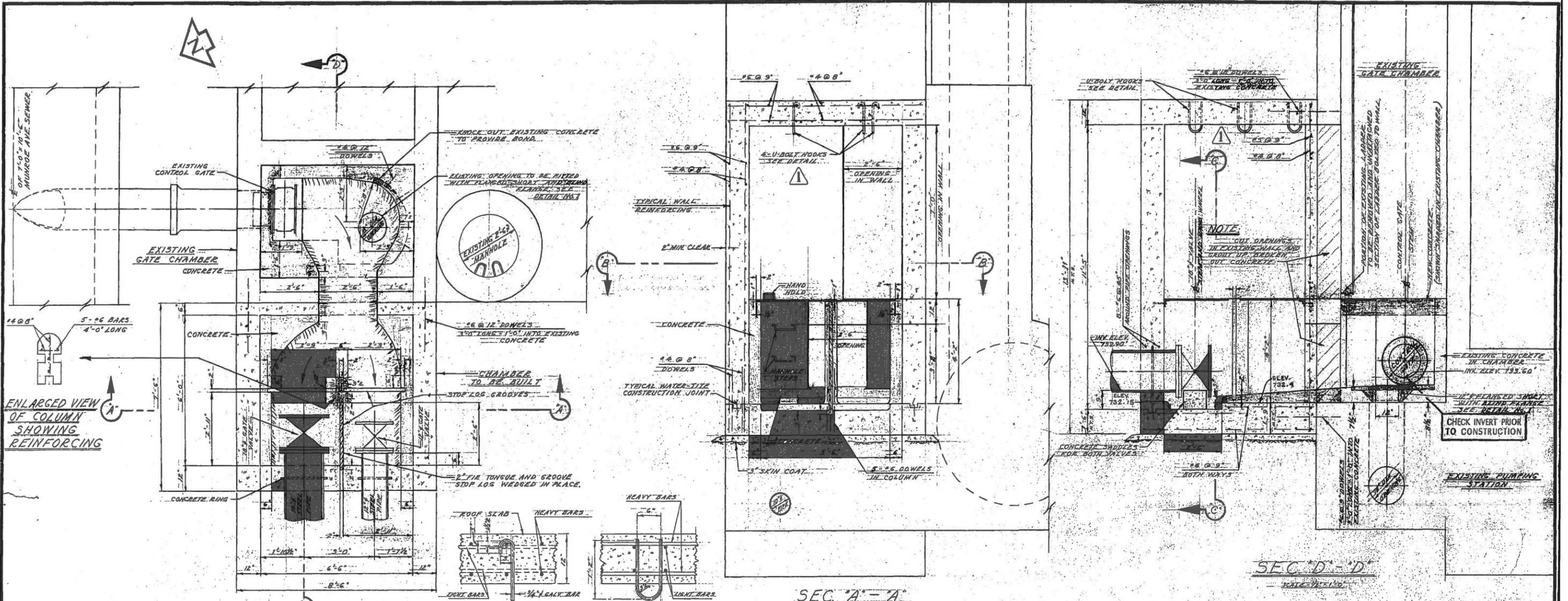
THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS & WASTE DISPOSAL DIVISION
 SEWAGE DISPOSAL BRANCH

RED RIVER CROSSING FROM MUNROE PUMPING STA. TO POLSON AVE. COMM. STA.

DESIGNED BY: R.M.G.
 DRAWN BY: V.D.L.B.
 DATE: 28 SEP 64
 SCALE: 1" = 40' VERT. 1" = 6'

DRAWING NO. **503**

NOTE: FOR REGD. PLAN ORIGINAL, NEED WITH WINNIPEG LAND TITLES OF DEPT. OF PUBLIC WORKS OF MAN. SEE SERIAL OF DWG. NO. 503



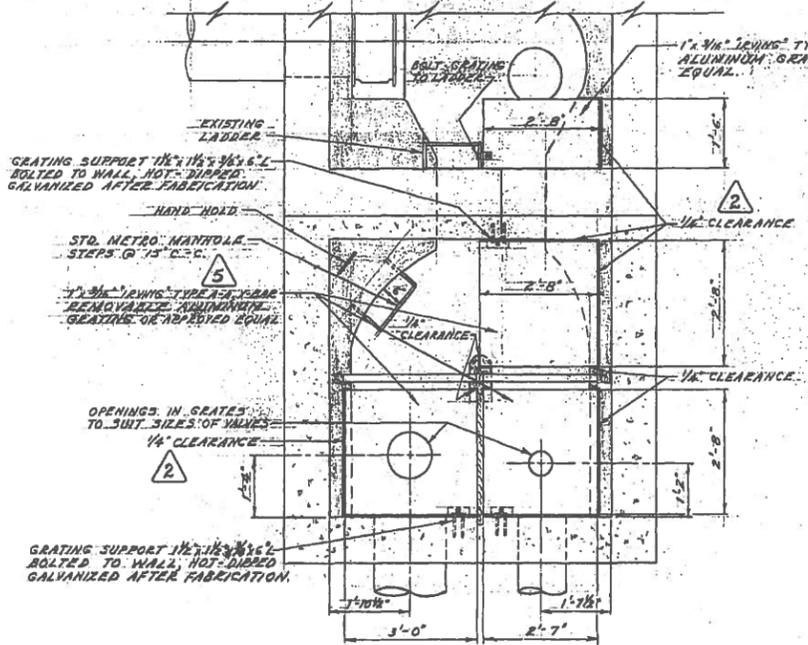
ENLARGED VIEW OF COLUMN SHOWING REINFORCING

FLOOR PLAN

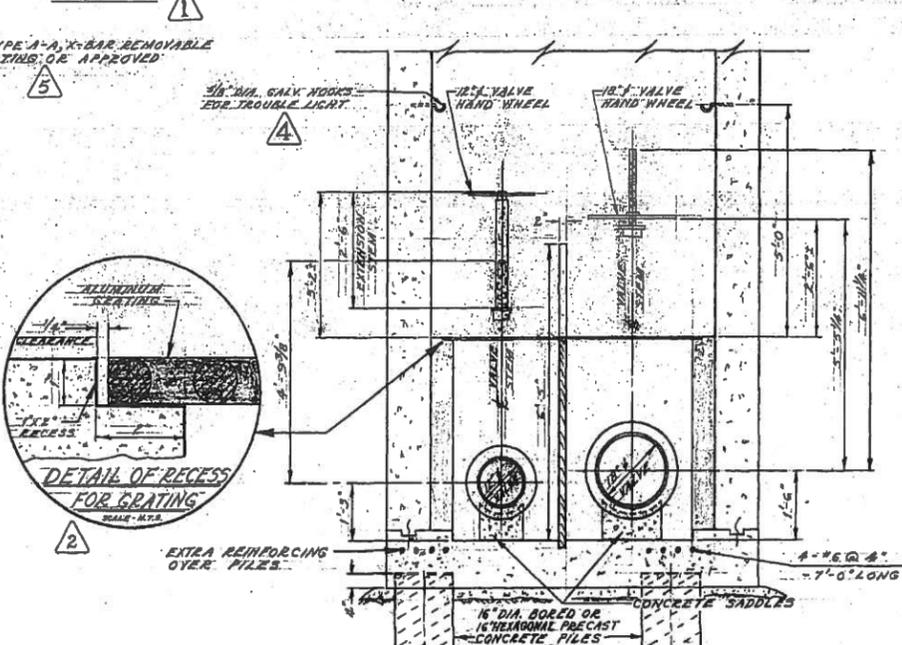
CROSS-SECTION LONG SECTION
DETAIL OF U-BOLT HOOK
SCALE - 1" = 1'-0"

SEC. A-A

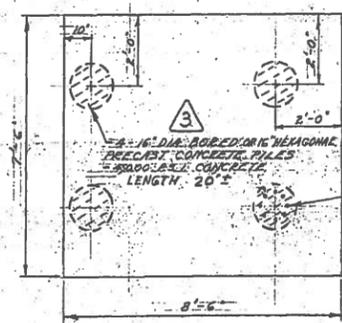
SEC. D-D
SCALE - 1/2" = 1'-0"



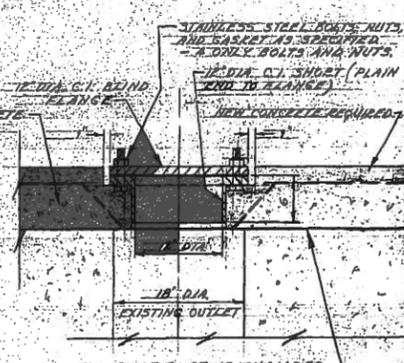
SEC. B-B
PLAN OF GRATINGS



SEC. C-C
SCALE - 1/2" = 1'-0"



LOCATION OF PILES ON FLOOR SLAB
SCALE - 3/8" = 1'-0"

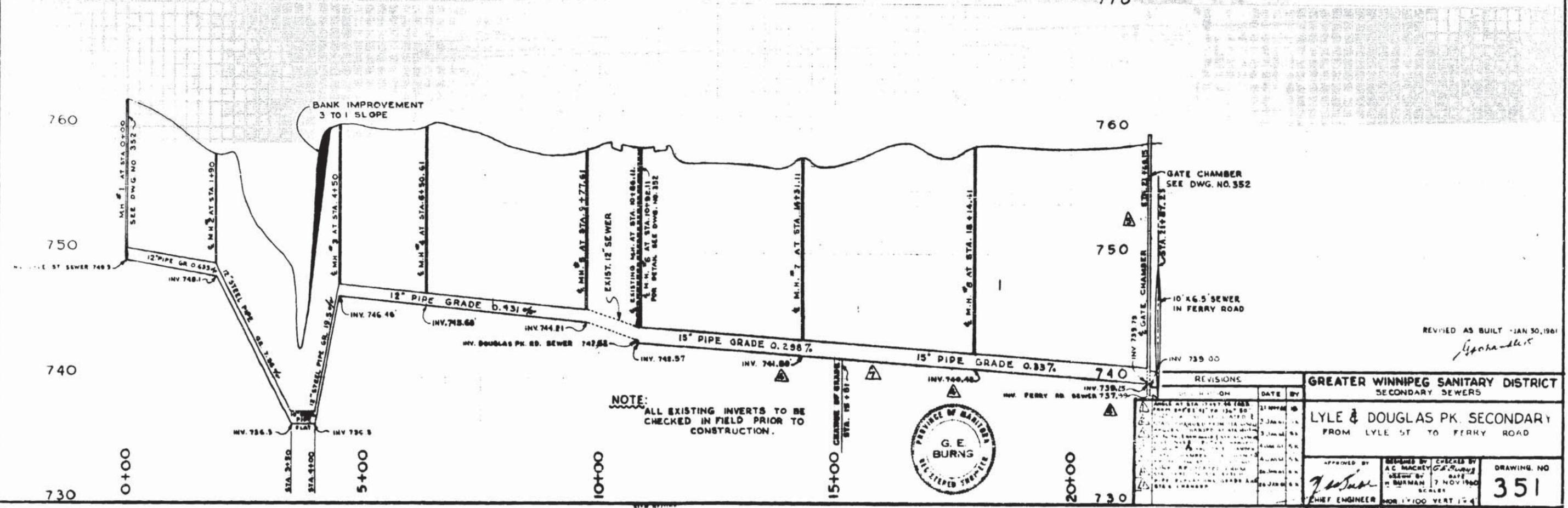
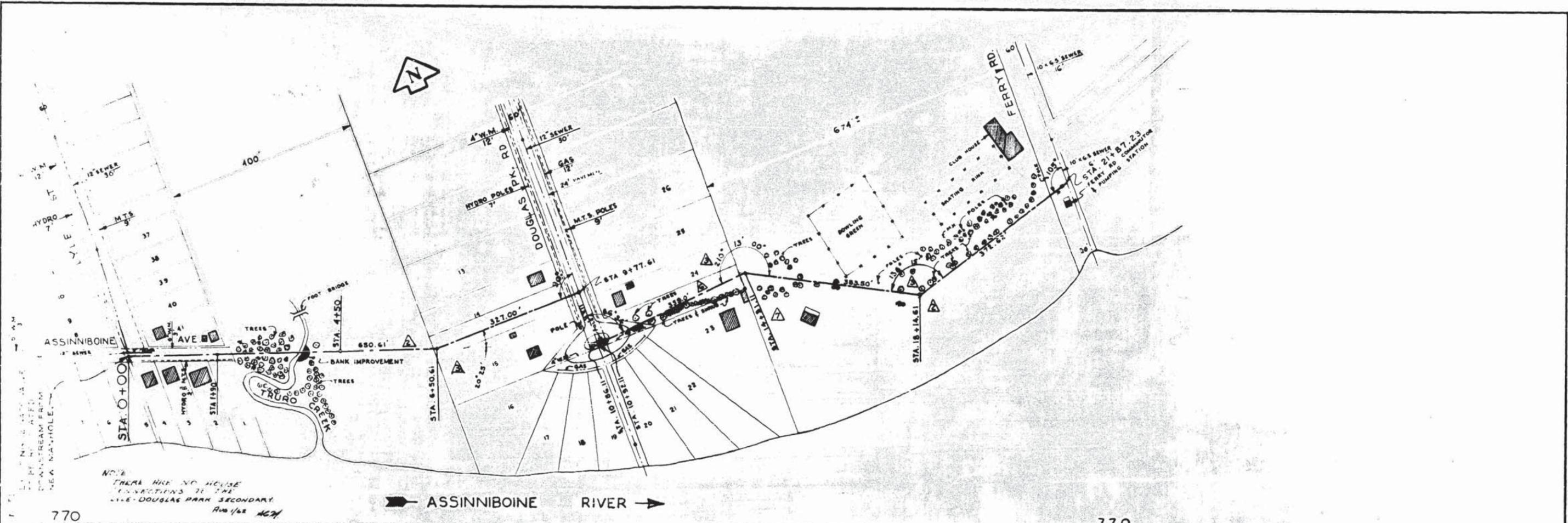


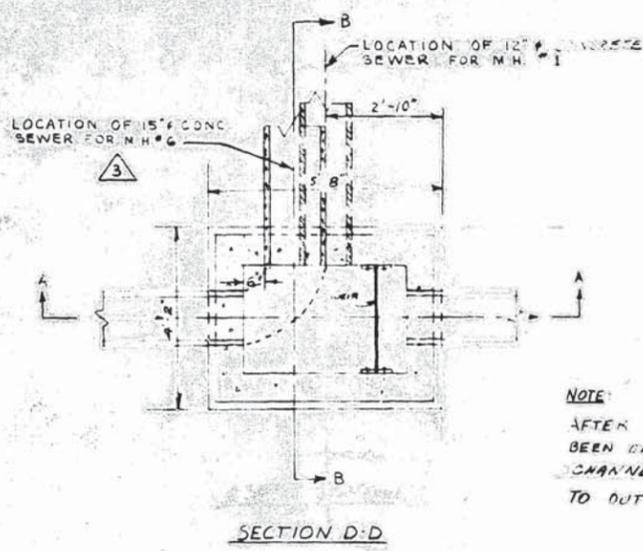
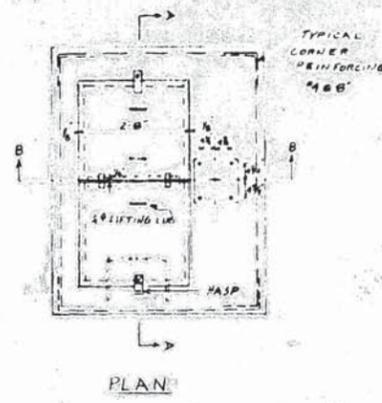
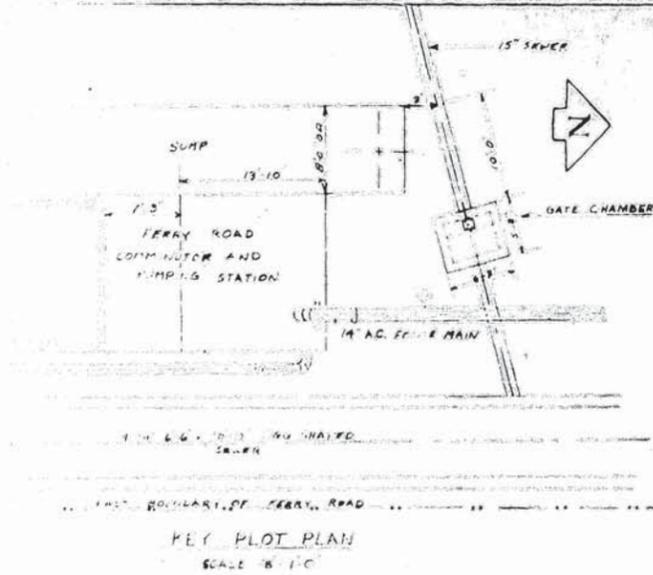
DETAIL No. 1
SCALE - 1" = 1'-0"

NO.	DESCRIPTION	DATE	BY
AS CONSTRUCTED		18 NOV. 64	A.C.
1	TYPE OF 'IRVING' GRATE	26 NOV. 64	S.R.
2	HOOBS FOR TRAP	26 NOV. 64	S.R.
3	USE OF PRECAST PILES AS INTERMEDIATE LEGS	26 NOV. 64	S.R.
4	DETAIL OF THE RECESS AND OF THE HOOKS	26 NOV. 64	S.R.
5	U-BOLT HOOK DETAIL AND LOCATION OF HOOKS	26 NOV. 64	S.R.

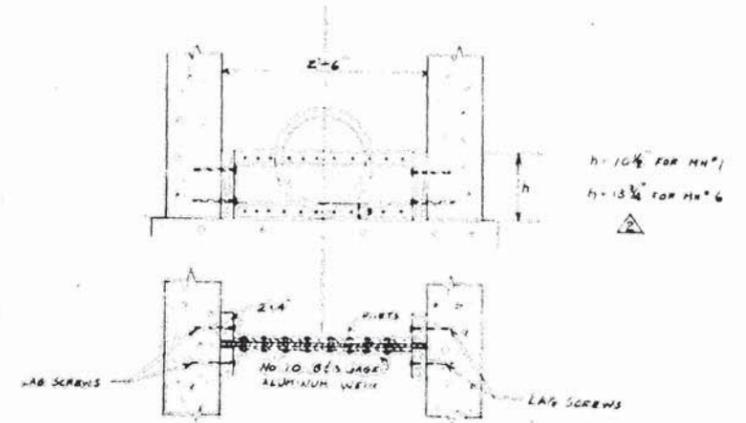
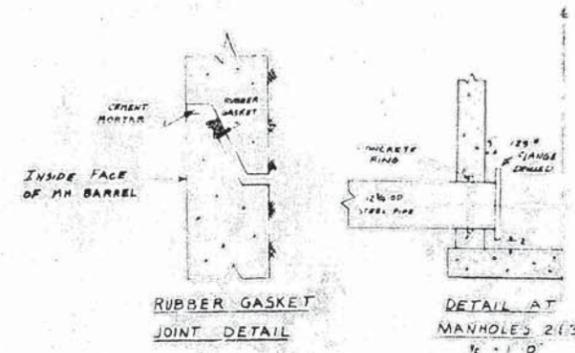
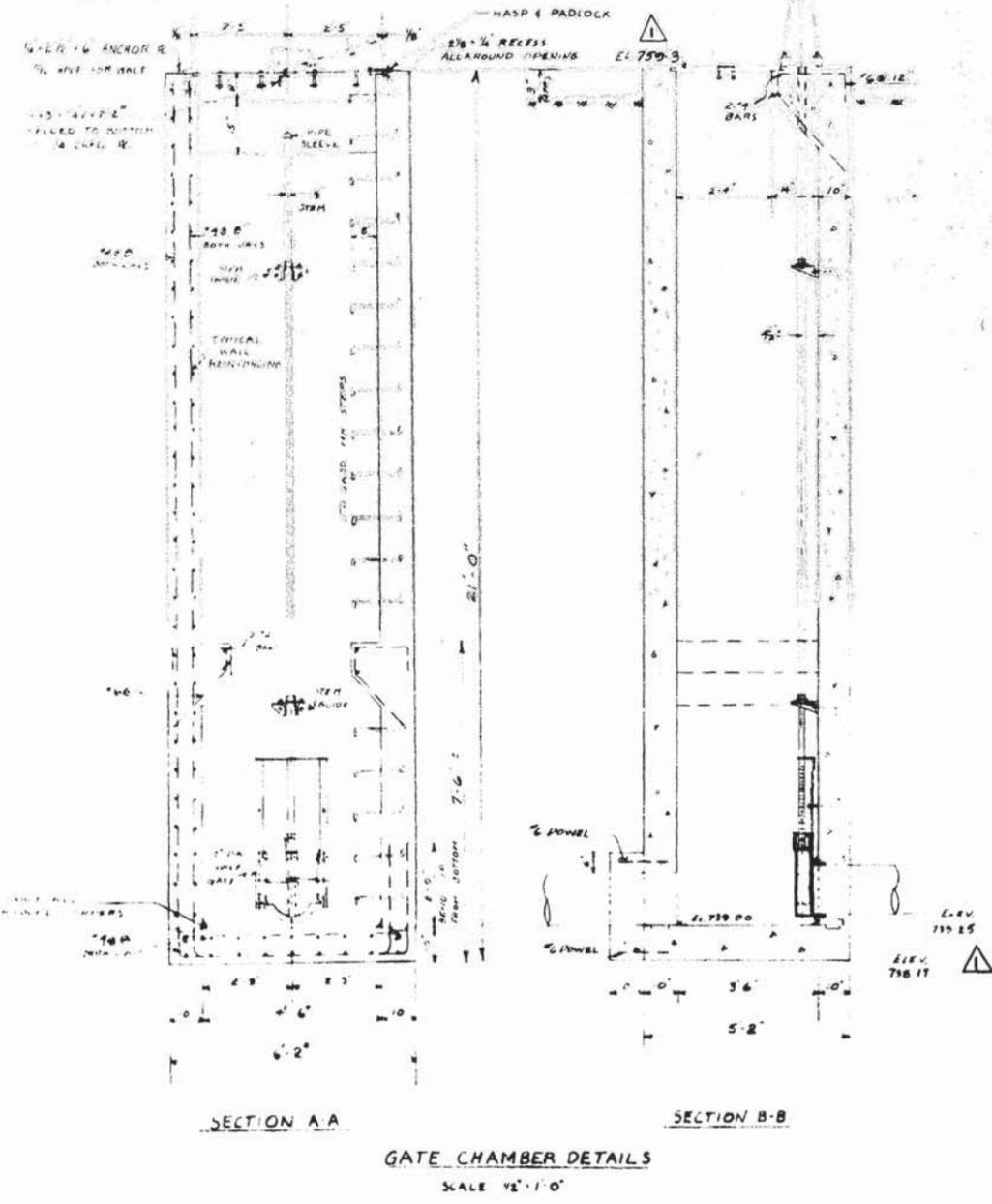
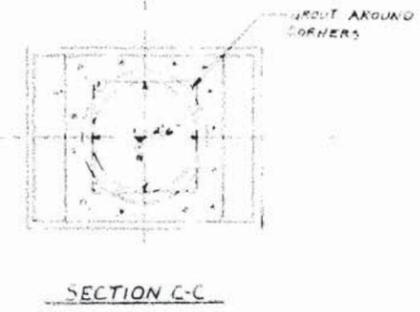
THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS & WASTE DISPOSAL DIVISION
N. S. BUBBIS - DIRECTOR

SEWAGE DISPOSAL DEPT.
MUNROE - POLSON RIVER CROSSING ALTERATIONS TO MUNROE AVE. PUMPING STATION & PROP. SIPHON INLET CHAMBER
G.E. BURNS REGISTERED ENGINEER
R.M. GIRLING REGISTERED ENGINEER
SCALE 1/2" = 1'-0" AND AS NOTED.
DRAWING NO. 506

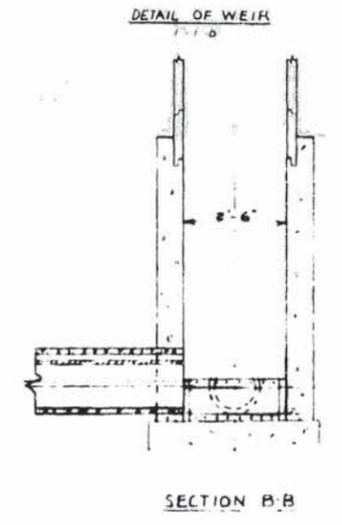
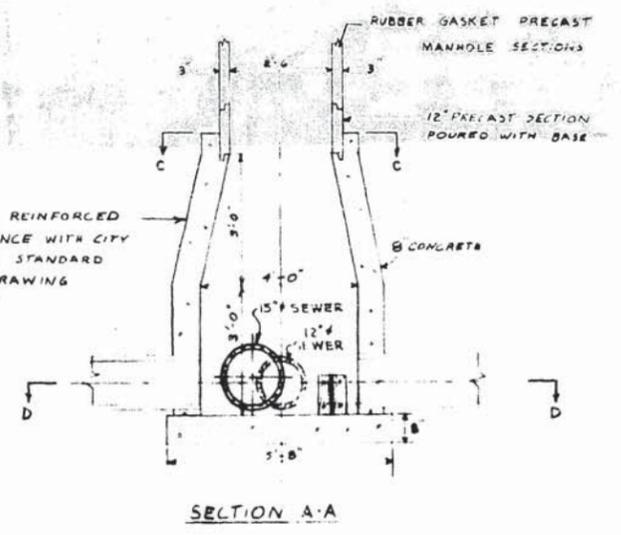




NOTE:
AFTER MANHOLES HAVE BEEN CAST GROUT A SMOOTH CHANNEL & BASE FROM INLET TO OUTLET



BASE TO BE REINFORCED IN ACCORDANCE WITH CITY OF WINNIPEG STANDARD MANHOLE DRAWING NO 14602-E



NOTE
ALL MANHOLES TO HAVE POURED BASE AND PRECAST MANHOLE BARREL SECTIONS AS DETAILED ABOVE.

DETAILS OF MANHOLES
NO. 1 AND 6
SCALE 1/2" = 1'-0"



REVISIONS			GREATER WINNIPEG SANITARY DISTRICT SEWERS	
NO.	DESCRIPTION	DATE BY		
1	Gate Chamber Dimensions	20 JAN 61		
2	Location of Manhole	16 JAN 61		
3	Location of Entrance of 15' Sewer to Manhole	16 JAN 61		
4	NOTE ADDED	20 JAN 61		

LYLE ST AND DOUGLAS PARK ROAD
GATE CHAMBER AND
MANHOLE DETAILS

APPROVED BY: *[Signature]*
CHIEF ENGINEER

DRAWN BY: A.C. MALONEY
CHECKED BY: A.C. MALONEY

WORKING NO. 352