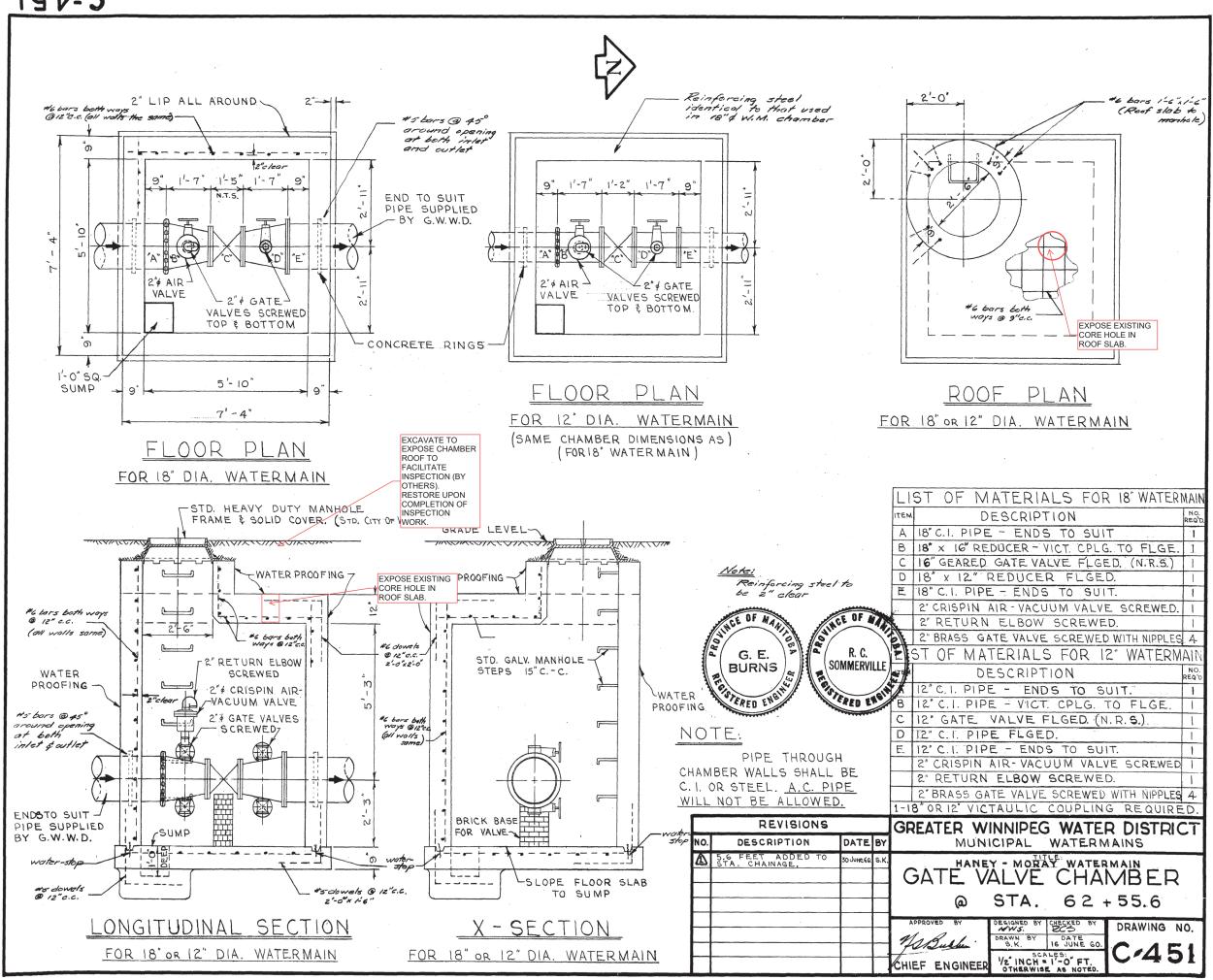
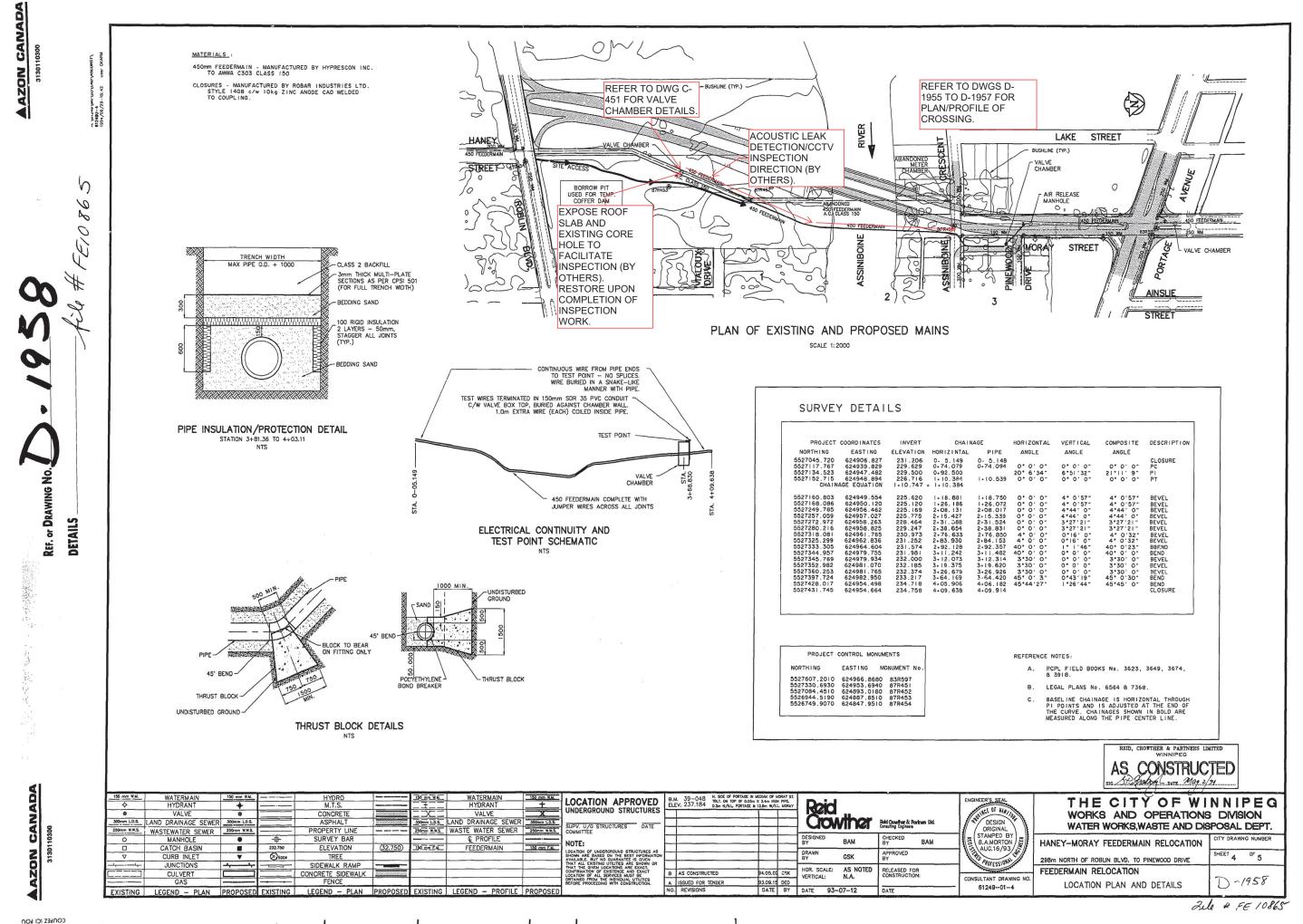


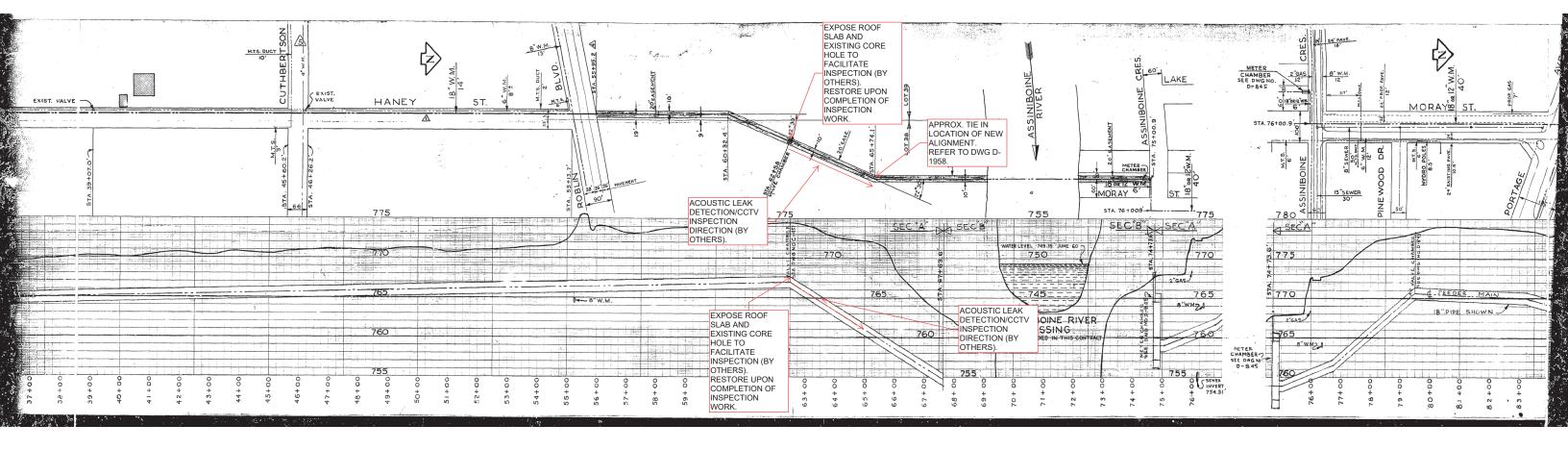
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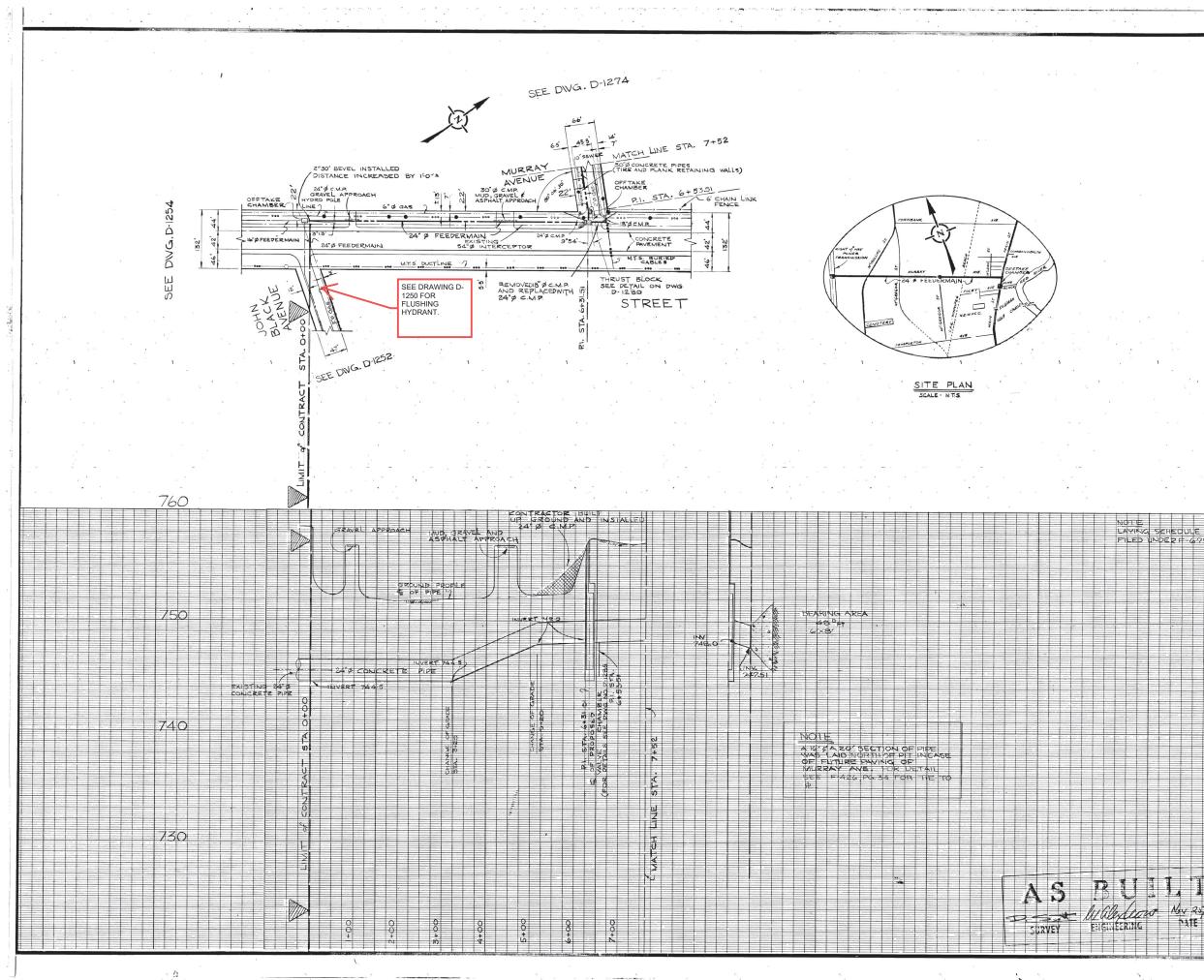




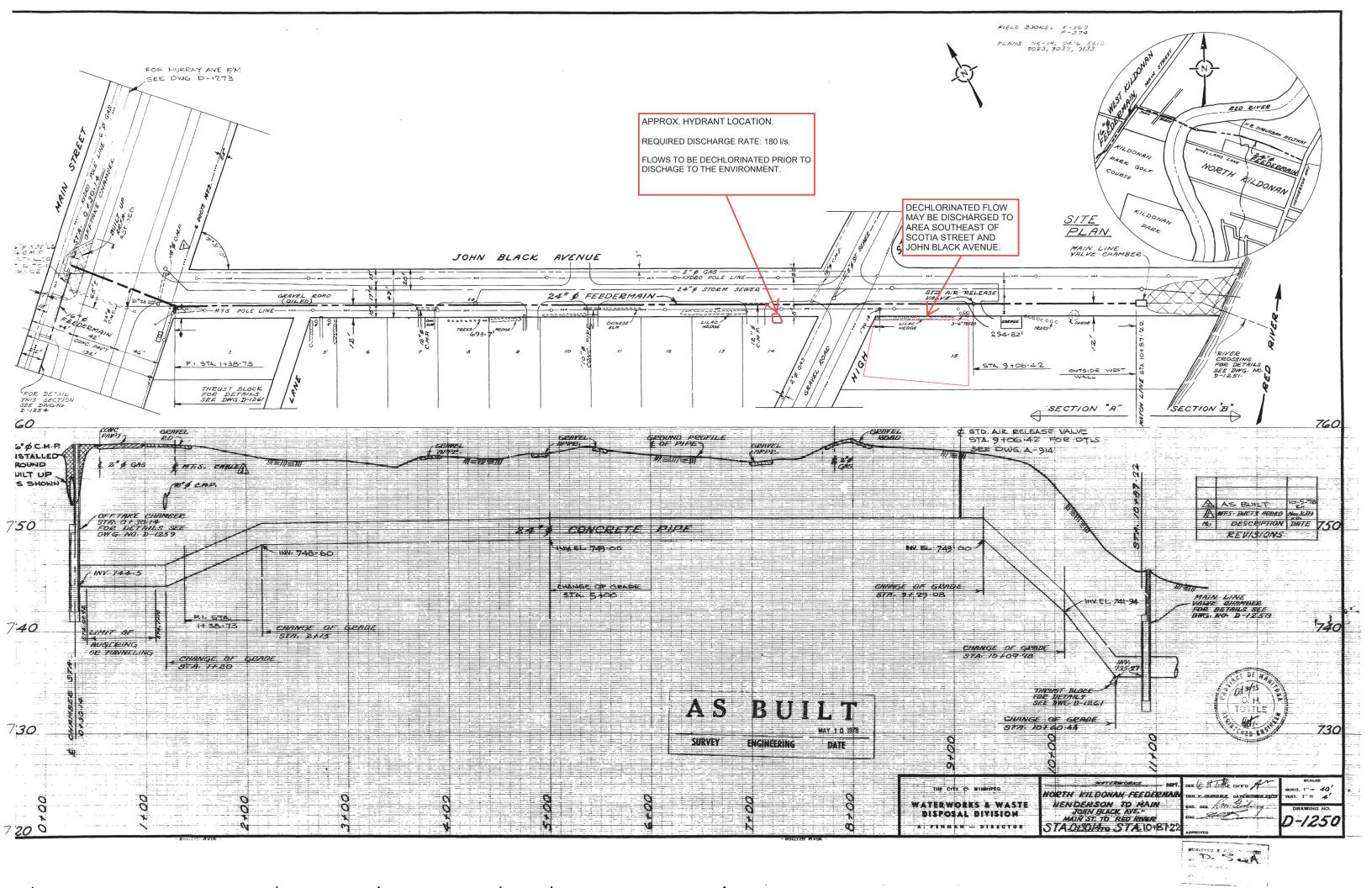
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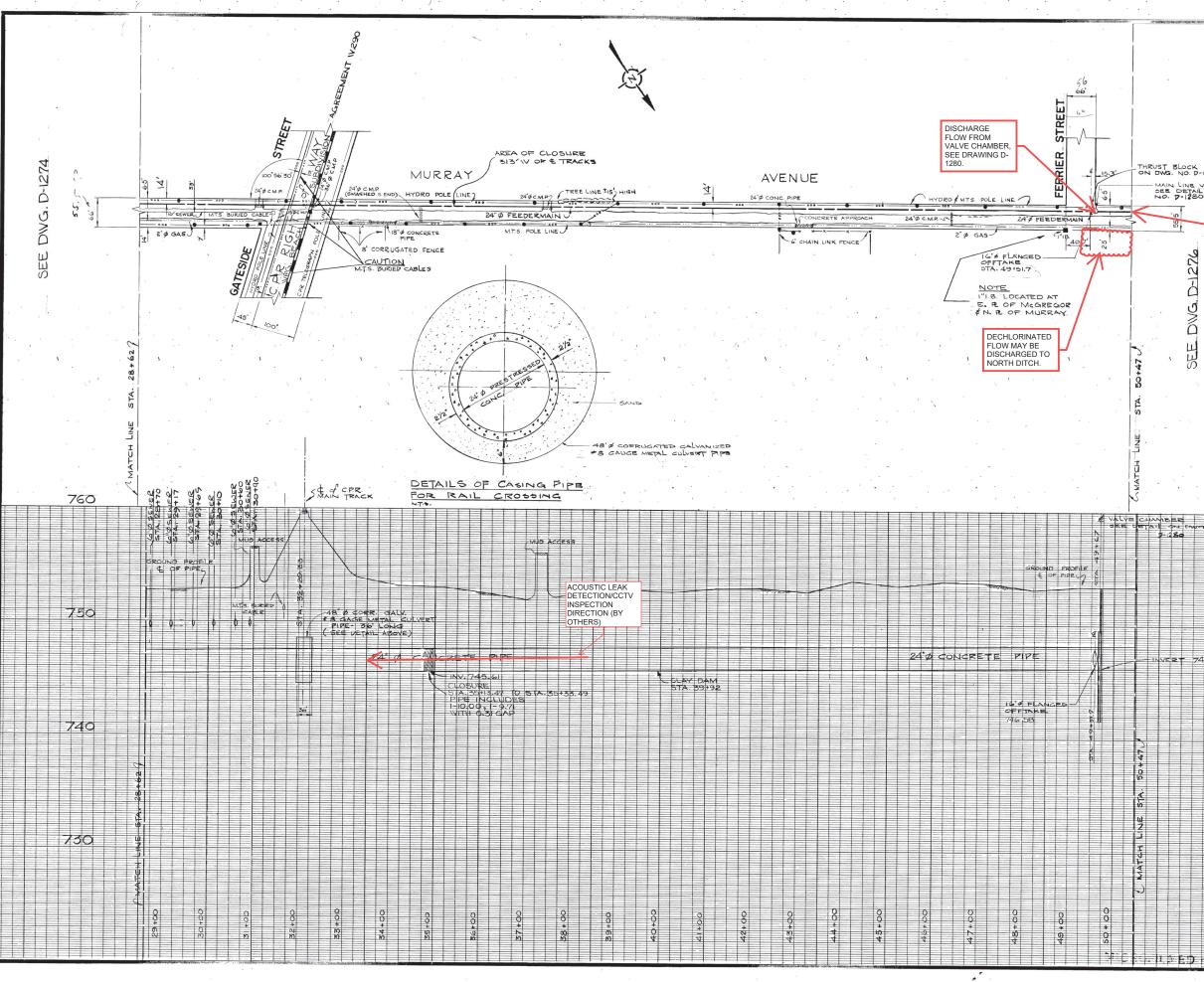
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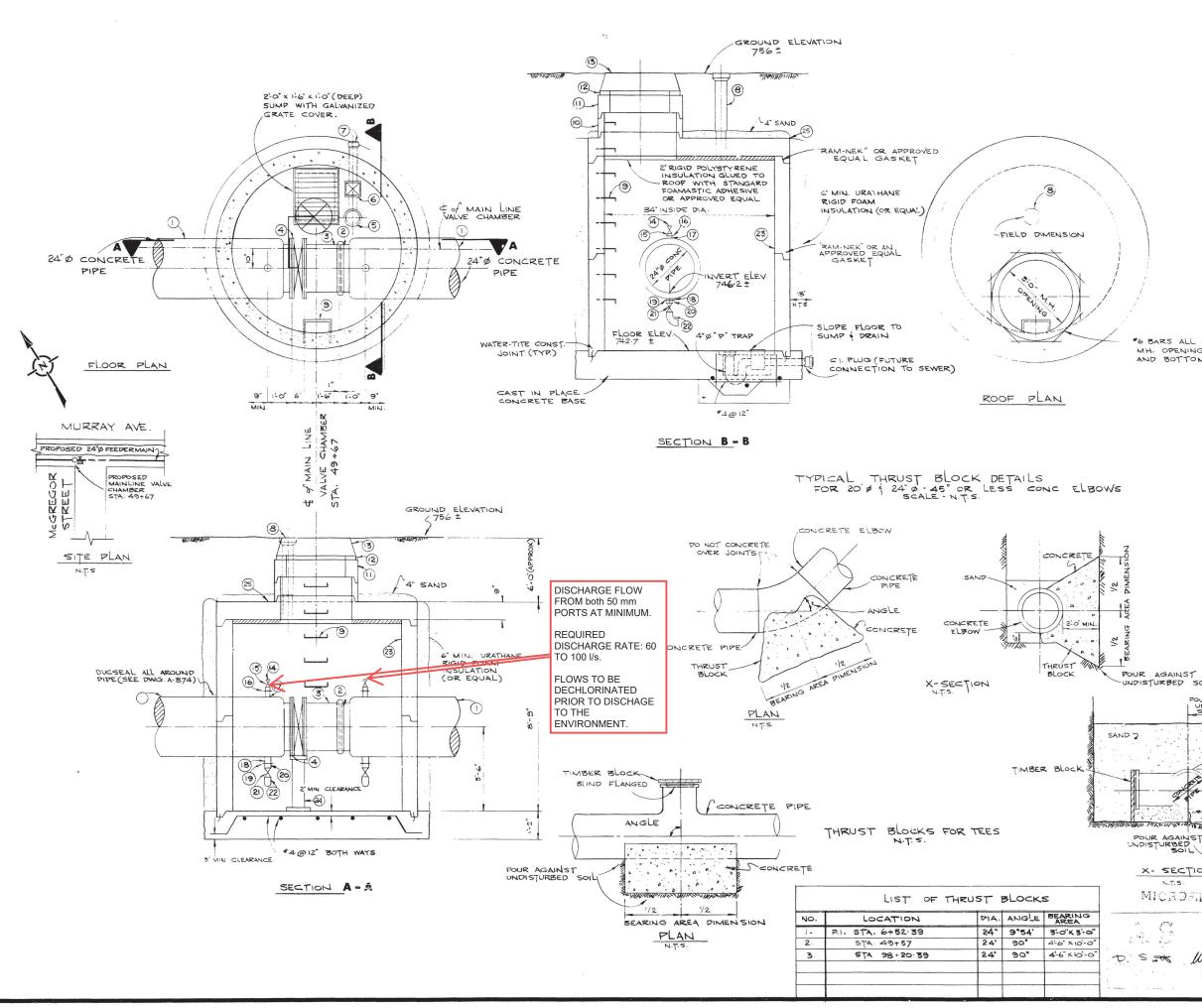


LEGEND WATERWORKS, WASTE AND DISPOSAL : UNDERGROUND UTILITIES PROPOSED FORCEMAIN, INTERCE OR SECONDARY SEWER EXISTING FORCEMAIN, OR SECONDARY SEWER PROPOSED FEEDERMAIL EXISTING FEEDERMAIN W.W.D. --- WATERWORKS, WASTE AND DISPOSAL OTHER UNDERGROUND UTILITIES COMMUNITY SEWER COMMUNITY WATERMAIN GAS HYDRO DUCT M.T.S. DUCT OR CABLE STREET LIGHTING, RAILWAY OR TRAFFIC SIGNAL CABLE SURFACE UTILITIES COMMUNITY BOUNDARY FENCE LINE POLE LINE - RAILWAY LINE MISCELLANEOUS SYMBOLS CATCH BASIN-0 CULVER 5----HYDRAN MANHOLE-HYDRO OR M.T.S. POLE LAMP STANDARD RAILWAY OR TRAFFIC SIGNAL STA SURVEY BAR RE NOTES 9 12 N ເມັ REVISED TITLE 91-01-18 M.T. A AS BUILT 28-10-76 M.S. NO. DESCRIPTION DATE BY REVISIONS SURVEYED BY FIELD BOOK(S) NO. F-387, F-394, F408, F426 P.M.GALKA LAND SURVEY PLAN(S) NO. MAY 14, 1974 The City of Winnipeg Waterworks, Waste and Disposal Division Branch Operations (Waterworks) MURRAY AVENUE FEEDERMAIN MAIN STREET - FROM JOHN BLACK AVENUE TO MURRAY AVENUE STA. 0+00 TO STA 7+52 RAWN BY SE 01 f. kolbert Rach St P SEPT 10.74 Nov 25/76 Penn PATE JE SCALE D-1273 HOR. - !" 100' VERT. - 1" 4'-0" M CHI L' EN MUCROFILMED Mar E

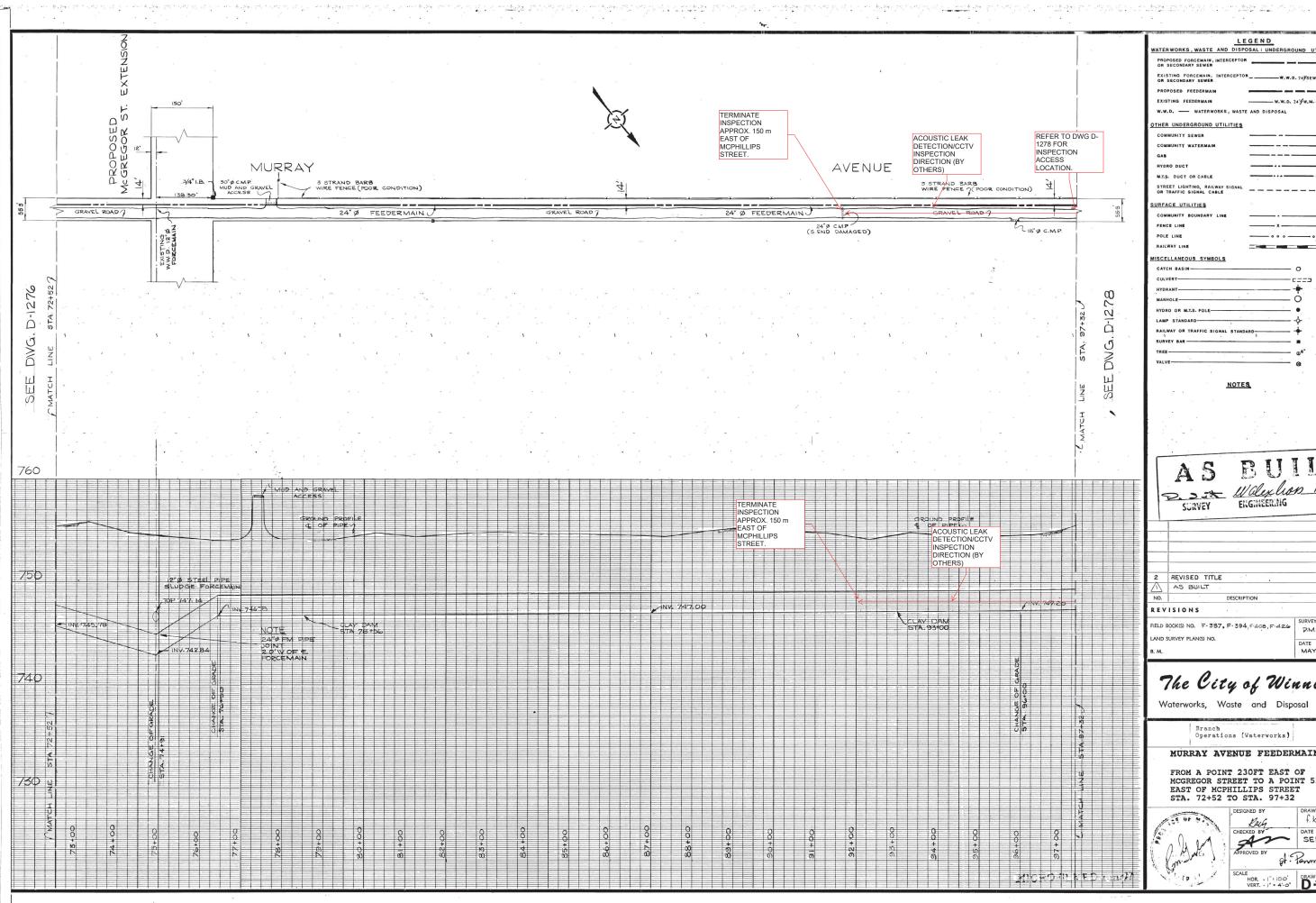




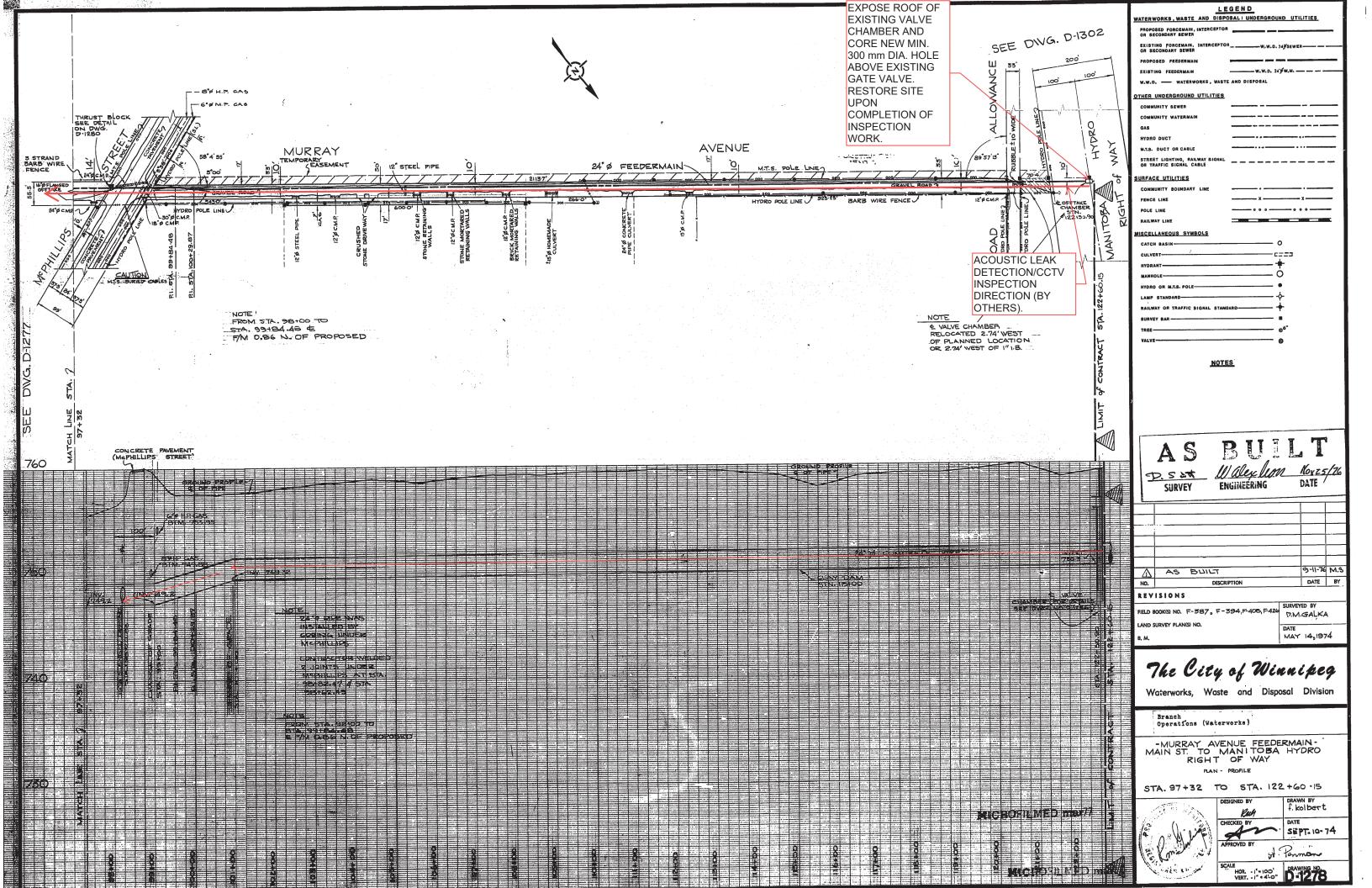
LEGEND WATERWORKS, WASTE AND DISPOSAL ; UNDERGROUND UTILITIES City of Winnipeg PROPOSED FORCEMAIN, I OR SECONDARY SEWER EXISTING FORCEMAIN, OR SECONDARY SEWER PROPOSED FEEDERMAL EXISTING FEEDERMAIN W.W.D. ---- WATERWORKS, WASTE AND DISPOSAL OTHER UNDERGROUND UTILITIES COMMUNITY SEWER COMMUNITY WATERMA GAS THRUST BLOCK SEE DETAIL HYDRO DUCT M.T.S. DUCT OR CABLE DEE DETAIL ON NO. D-1280 DISCHARGE FLOW FROM MANHOLE LOCATED ON JOHN BLACK AVE SEE DRAWINGS - - - - -_ . . . _ D-1273 AND D-1250. 276 MISCELLANEOUS SYMBOLS 0 CATCH BASIN-0 CULVER -----D/\G YDRAN MANHOLI 0 HYDRO OR M.T.S. POL LAMP STANDAR 11 RAILWAY OR TRAFFIC SIGNAL STAND 3 SURVEY BAR NOTES D-127 BUILT Walexlign Nov 25/76 Martines Date AS S D. Satt 1:27EY -1280 REVISED TITLE & STREET NAMES 91-01-22 M.T. 6-6" SEWER CROSSINGS LDDED 781003 RH AS BUILT 1-11-76 M.S DESCRIPTION DATE BY REVISIONS 746 SURVEYED BY FIELD BOOK(S) NO. F-387, F-394, F-408, F-426 D.M. GALKA AND SURVEY PLAN(S) NO. DATE MAY 14, 1974 The City of Winnipeg Waterworks, Waste and Disposal Division Branch Operations (Waterworks) MURRAY AVENUE FEEDERMAIN FROM A POINT 220FT EAST OF GATESIDE STREET TO FERRIER STREET STA. 28+62 TO STA 50+47 DESIGNED B PAWN BY f. kolbert 33 CHECKED BY 10 DATE SEPT. 10-74 R. / It was H. Permon SCALE fu HOR. - 1" = 100' DRAWING NO. VERT. - 1" = 4'-0" D-1275 II FD mpr7

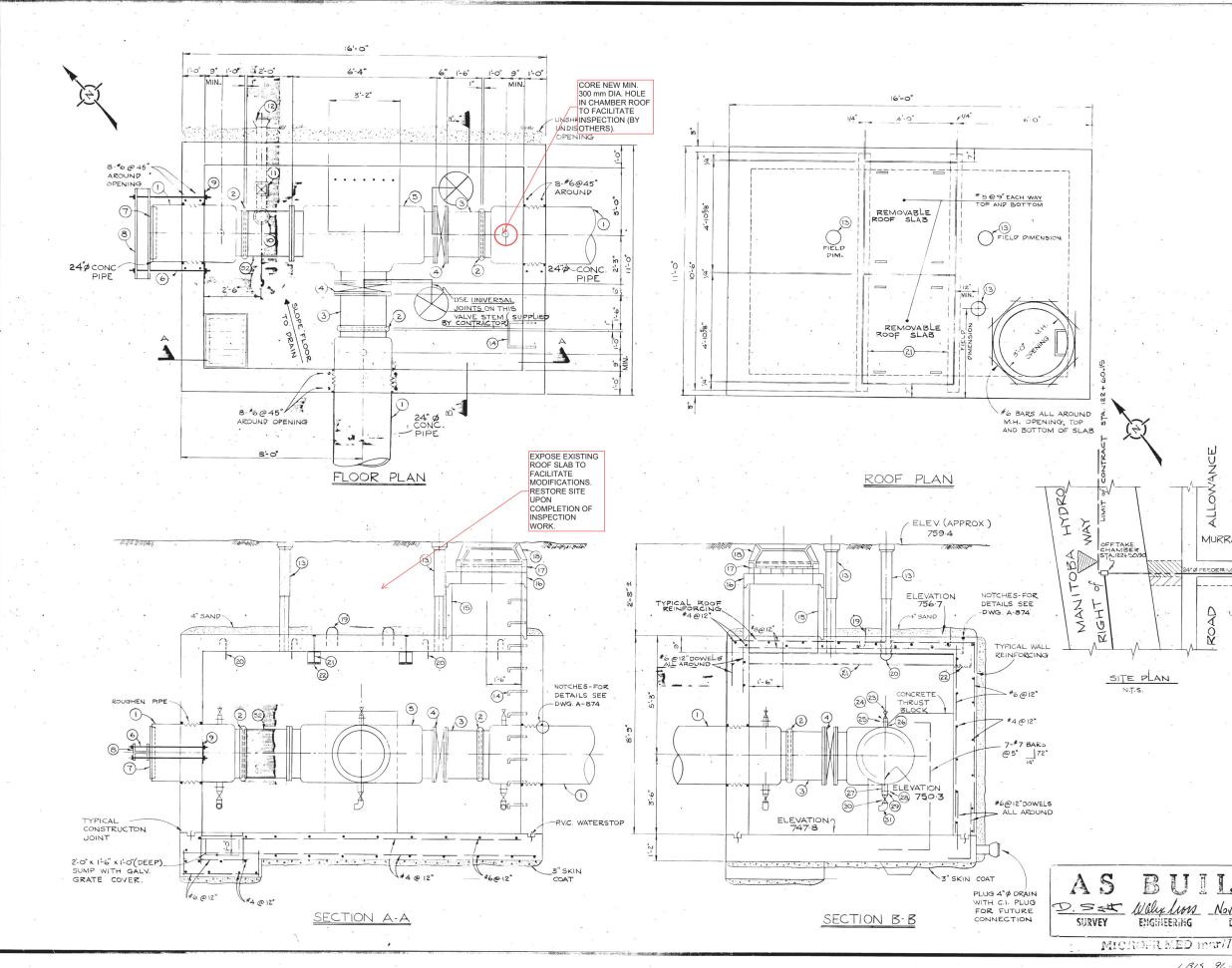


List of Materials Quantity 3
4'-0" short prestressed concrete pipe*
2. Victallic coupling style #51
3. 1'-6" prestressed concrete pipe adapter*
4.*24" 24" ButterTly valve wafer style*
5. 4"B C.I. "P" trap and drain with screw-on cover.
6. 4"B C.I. "P" trap and drain with screw-on cover.
7. 4"B C.I. per spigot to bell
8. Large adjustable valve box and standard City of Winnipeg manhole steps at 12" centre to centre. For details see Drawing No. 817.
10. 36"B ASTM C76-70 Class II precast concrete manhole section with "Ram - Nek" or an approved equal gasket.
11. 30" x 36" B ASTM C76-70 Class II precast concrete period.
12. Maximum 2 rows concrete brick of a C.I. and A C.I. a *1. 4'-0" short prestressed con- Maximum 2 rows concrete brick or a 6° long precast section.
 Standard City of Winnipeg Waterworks manhole grame and solid cover. 14. 2"9 Bronze gate valve threaded. 15. 2"Ø Bronze nipple-threaded 16. 2"Ø Threaded Flange 17. 2"Ø Steel outlet-Flanged 3"Ø Steel outlet - Flanged
 3"Ø Threaded Flange
 3"Ø Bronze nipple Threaded
 3"Ø Bronze Gate Valve -6 BARS ALL AROUND MH. OPENING, TOP AND BOTTOM OF SLAB Threaded. 22. 3"Ø Elbow - Threaded and Galvanized.
 23. 84"#<u>ASTM</u> C76-70 Class II precast concrete manhole section with "Ram-Nek" or an approved equal gasket 6; Grinnell 24" adjustable pipe
 6; Grinnell 24" adjustable pipe
 6; Grinnell 24" adjustable pipe
 7; Grinnell 24; Grinnell 25; Gr To be supplied by The City NOTE Waterproofing to be applied to all exterior walls. 9-11-76 m. s AS BUILT NO DESCRIPTION DATE BY REVISIONS UNDISTURBED SOIL SURVEYED BY FIELD BOOK(S) NO. POUR AGAINST LAND SURVEY PLAN(S) NO. DATE The City of Winnipeg Waterworks, Waste and Disposal Division Branch Sperations (Waterworks) THE ATT -MURRAY AVENUE FEEDERMAIN-MAINLINE VALVE CHAMBER- STA. 49+67 X- SECTION CONCRETE THRUST BLOCK - STA. 6+52-39 , N.T.S STA. 49+57 \$ STA. 98+20-39 MICROFILMED mar77 f. Kolbert Kul and the CHECKED SEPT. 10- 74 -Willexhow Nov25 OVED F ---SCALE D-1280 1/2" = .- 5"



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	M.T.S. DUCT OR CABLE		200-10 201-2	
1	STREET LIGHTING, RAILWAY SIGNAL		2.13 . (
<u>+</u>	SURFACE UTILITIES			
222.22	COMMUNITY BOUNDARY LINE			
	FENCE LINE	x		
	POLE LINE	••••		
	RAILWAY LINE			
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2	MANHOLE	Ó		
2 2	HYDRO OR M.T.S. POLE	•		
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6 4	RAILWAY OR TRAFFIC SIGNAL STANDARD	🕈 1, 22 s. s. s.		
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City of Winnipeg LIST OF MATERIALS FOR OFFTAKE CHAMBER No. Description Quantity 4'0" short prestressed concrete pipe Victaulic coupling style #51 1'6" prestressed concrete adaptor Butterfly Valve wafer style 1* 2. 1'b" prestressed concrete adaptor Butter1y Valve wafer style Prestressed concrete tee flange to flange to flange 4'0"xl 5/8"@ galvanized bolts c/w cadmium plated nuts and washers Concrete Plug W 12 x 19 steel beam 10"xl0" galvanized plate 1/2" thick 4"@ C.I. "P" trap and drain with screw on cover 4* 5* 6 7 # 10 4"9 **G.I.**"P" trap and drain with screw on cover 4" backwater valve 4"9 C.I. Pipe spigot to bell Large adjustable valve box and standard City of Winnipeg Waterworks Cover of w sforms Standard City of Winnipeg manhole steps at 12" center to center, For details see drawing No. A-817 36"9 ASTM C-76 Class II precast concrete manhole section with 11 14 15 concrete manhole section with "Ramnek" or an approved equal 30"x36"Ø ASTM C-76 Class II ` precast concrete eccentric flat top reducer section. 16 precast concrete eccentric flat top reducer section. Maximum 2 rows concrete brick or a 6" long precast concrete section. Standard City of Winnipeg waterworks manhole frame and solid cover. Lifting Lugs. For details see drawing No. A-878. U-bolt hook. For details see drawing No. A-877. W6 x 20 steel beam (6 40.12) Bearing plate 9"x6"x3/8" 2"Ø bronze gate valve - threaded 2"Ø bronze inpple - threaded 2"Ø threaded flange 3"Ø steel outlet - flanged 3"Ø bronze nipple - threaded 3"Ø 90° elbow - threaded and galvanized 2" 2-0" x 2-0" filer prece 17 18 19 20 21. 22 23 24 0 26 27 28 128 29 30 31 JCF ICF 32* 2-0" x 2'-0" filler piece 0 * To be supplied by the City. Notes: 1. Waterproofing to be supplied to all exterior walls. Concrete on tee to be roughened and coated with epoxy bonding agent prior to pouring of thrust block. Ó ALL MURRAY PEEDER MAI REMOVED THRUST BEAM FROM SOUTH WALL 91-01-18 M.T. AD 2 AS BUILT 2-11-76 M.S. Ô NO. DESCRIPTION DATE BY REVISIONS SURVEYED BY FIELD BOOK(S) NO. •, AND SURVEY PLAN(S) NO. DATE The City of Winnipeg Waterworks, Waste and Disposal Division Branch Operations (Waterworks) MURRAY AVE. FEEDERMAIN VALVE . CHAMBER MAN. HYDRO R.O. IV. & MURRAY AVE EX STA 122+50.90 DESIGNED BY DRAWN BY 4 BUIL f. kolbert Luch OCT 10-74 1 Novish P 01 es Barry 1/2=1-0 D-1286 LB15 96.09.24 4