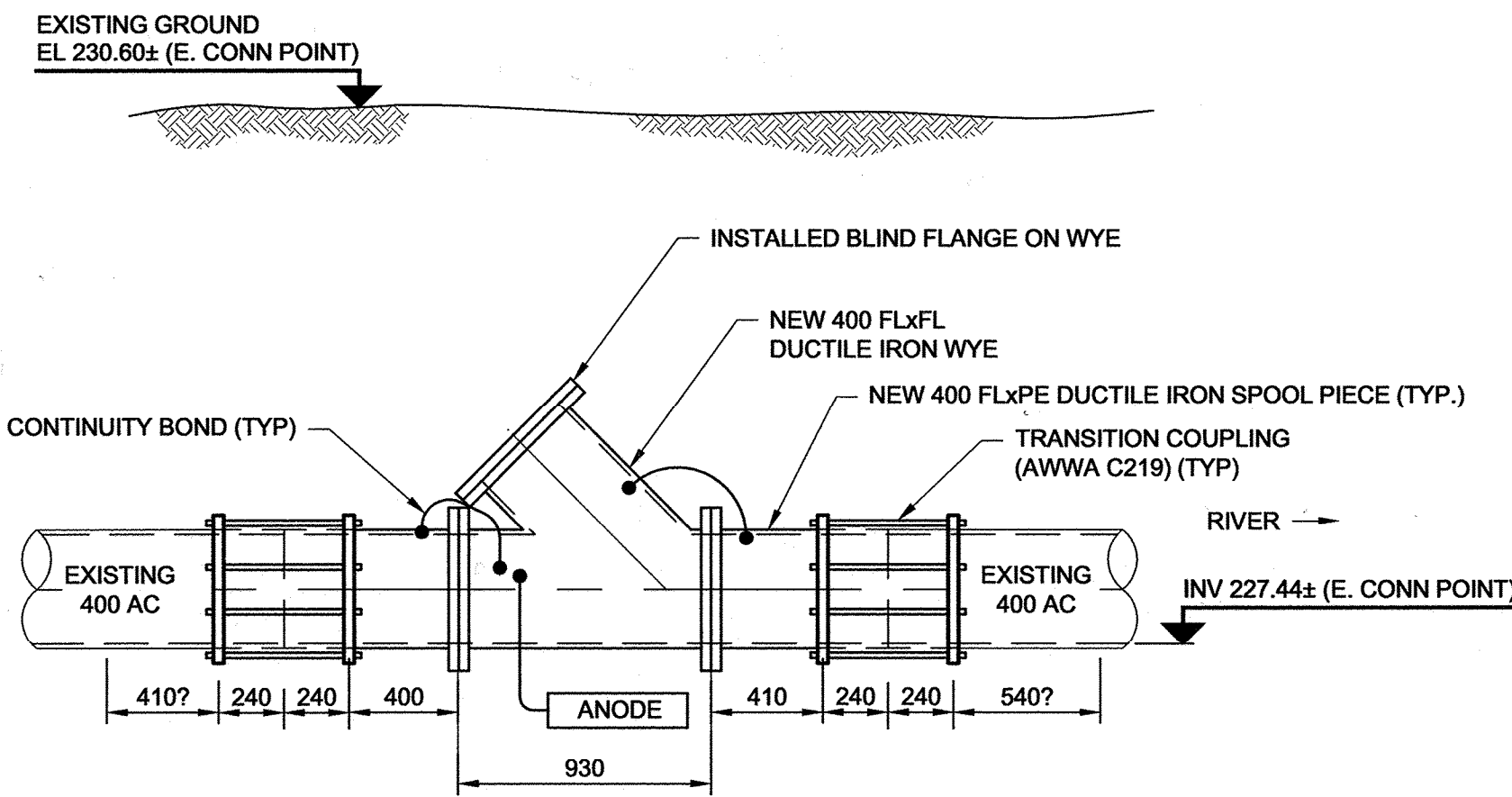
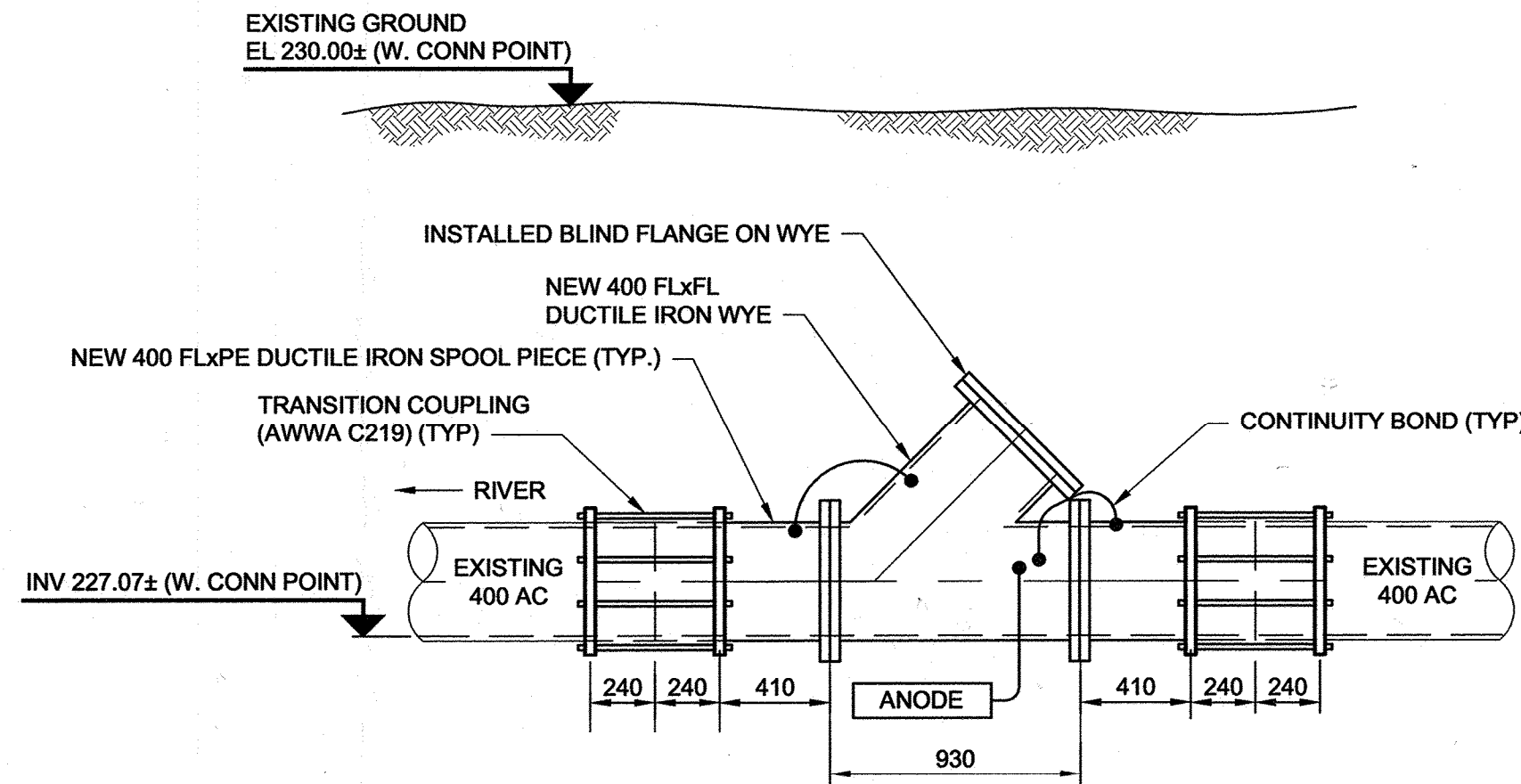




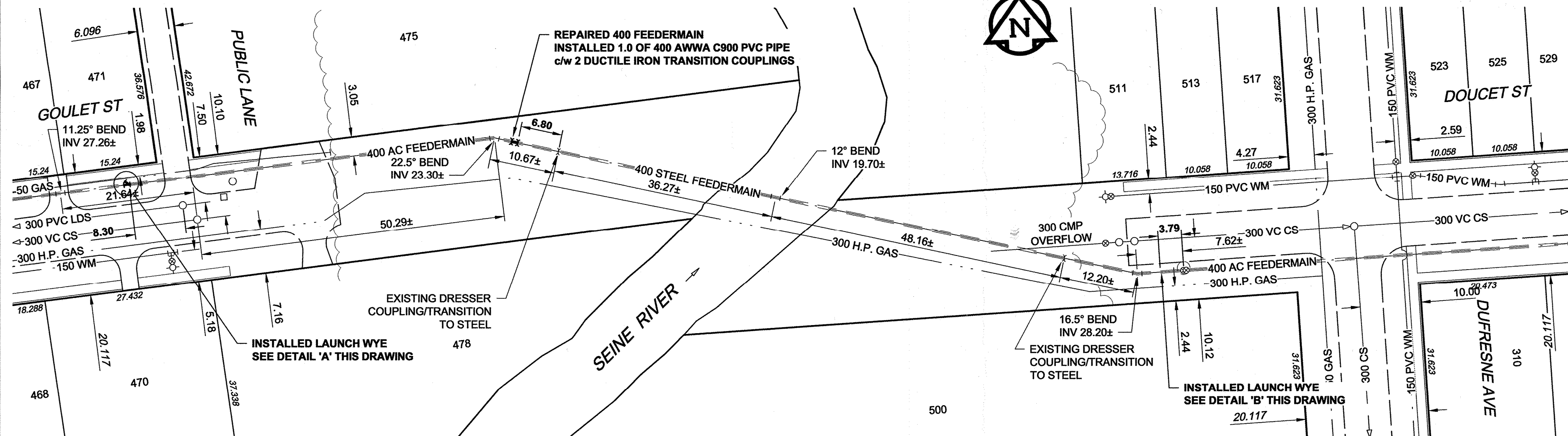
DETAIL 'A'
LAUNCH WYE INSTALLATION
AT GOULET ST

0 625 1250 mm
1:25



DETAIL 'B'
LAUNCH WYE INSTALLATION
AT DOUCET ST

0 625 1250 mm
1:25



PLAN
Scale 1:500
0 12.5 25 m

MATERIAL LIST

ITEM
WATER WORKS
400 PVC PIPE (350 to 500)
IRON COUPLINGS (TRANSITION) (400)
VALVE STEM EXTENSION
400 DUCTILE IRON SPOOL PIECE (FLANGE X PLAIN END)
400 DUCTILE IRON WYE (FLANGED)
400 DUCTILE IRON BLIND FLANGE
ANODES - ZINC
PETROLATUM TAPE CORROSION PROTECTION

MANUFACTURER
IPEX INC.
ROMAC INDUSTRIES INC.
W.D. VALVE BOXES LTD.
METALFIT INC.
METALFIT INC.
METALFIT INC.
THE CANADA METAL (PACIFIC) LTD.
DENSO NORTH AMERICA

MATERIAL SPECIFICATION
AWWA C905 CSA B137.3
AWWA C219 AWWA C213
ASTM A536 GRADE 65-45-12
MODEL "501"
CONFORMS TO AP-002
AWWA C115, AWWA C104, AWWA C210
AWWA C111, AWWA C104, AWWA C210
AWWA C111, AWWA C104, AWWA C210

SPECIAL FEATURES
"BIG BRUTE" DR-18
FBE-COATED D.I. SLEEVE & END RINGS
TYPE 304 S.S. NUTS, WASHERS AND DI-ELECTRIC WASHERS
TOP MARKED "AIL" & STENCILED "WDVB"
EPOXY COATED
CEMENT MORTAR LINED
EPOXY COATED
CEMENT MORTAR LINED
EPOXY COATED
CEMENT MORTAR LINED
ZINC WEIGHT 10.9 kg
PROFILING MASTIC
PETROLATUM TAPE
OUTER WRAP

CONTRACTOR:
CONSTRUCTION PERIOD:
FIELD BOOK NO.:

TRI CORE PROJECTS MANITOBA LTD.
JULY TO NOVEMBER 2015
N/A



Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: Mar 14/17

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED

SUPR. U/G STRUCTURES COMMITTEE DATE

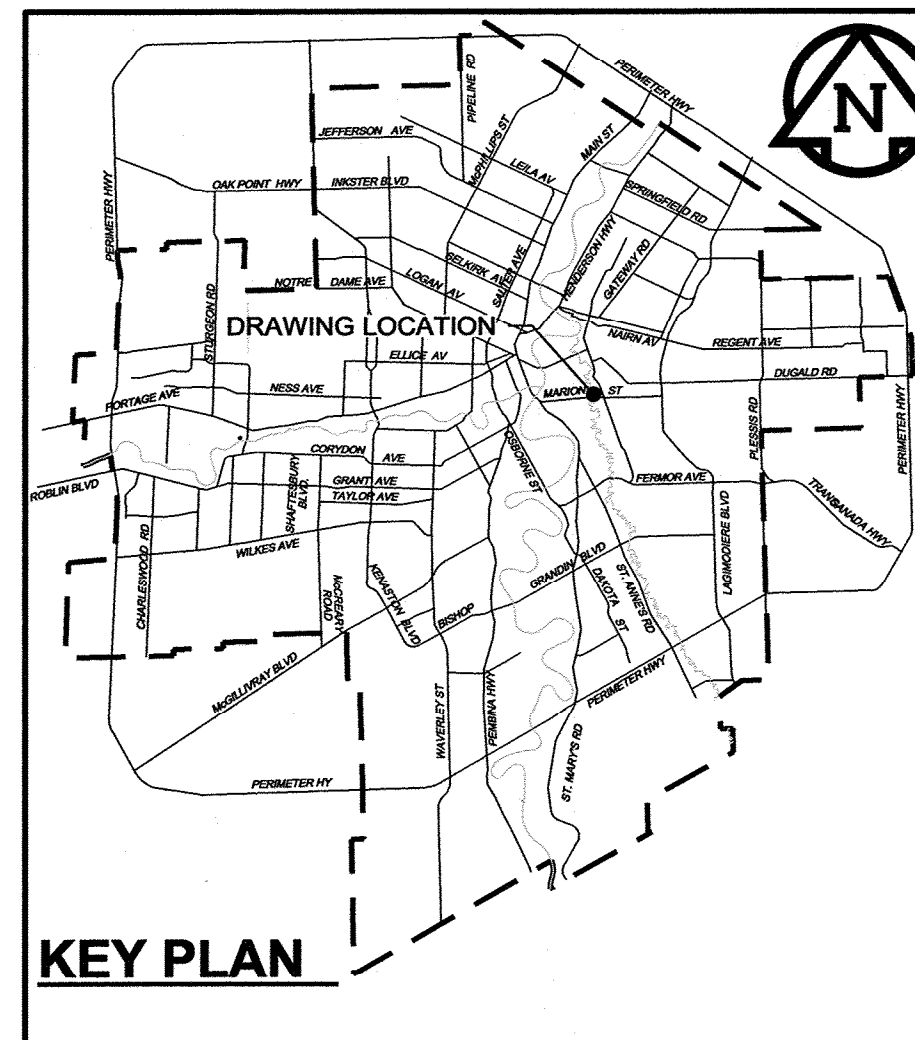
NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

150 WM	WATERMAIN	150 WM	150 WM	WATERMAIN	150 WM	WATERMAIN	150 WM	WATERMAIN	150 WM
+	HYDRANT	+	+	HYDRANT	+	+	+	HYDRANT	+
o	VALVE	o	o	VALVE	o	o	o	VALVE	o
300 LDS	LAND DRAINAGE SEWER	300 LDS	300 LDS	LAND DRAINAGE SEWER	300 LDS	300 LDS	300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS	250 WWS	WASTE WATER SEWER	250 WWS	250 WWS	250 WWS	WASTE WATER SEWER	250 WWS
o	MANHOLE	o	o	MANHOLE	o	o	o	MANHOLE	o
o	CATCH BASIN	o	o	CATCH BASIN	o	o	o	CATCH BASIN	o
o	CURB INLET	o	o	CURB INLET	o	o	o	CURB INLET	o
o	CULVERT	o	o	CULVERT	o	o	o	CULVERT	o
o	PIPE ABANDONMENTS	o	o	PIPE ABANDONMENTS	o	o	o	PIPE ABANDONMENTS	o
+	SURVEY BAR	+	+	SURVEY BAR	+	+	+	SURVEY BAR	+
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PROFILE	NEW	EXISTING



SITE PLAN

Scale 1:1500
0 37.5 75 m



RECORD DRAWING

BID OPPORTUNITY NO. 289-2015

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

**PROVISION OF PIPELINE ACCESS MODIFICATIONS,
CLEANING AND SUPPORT SERVICES FOR
WATER MAIN RIVER CROSSING INSPECTIONS**

SITE 10

GOULET - DOUCET WATER MAIN

SHEET 1 OF 3

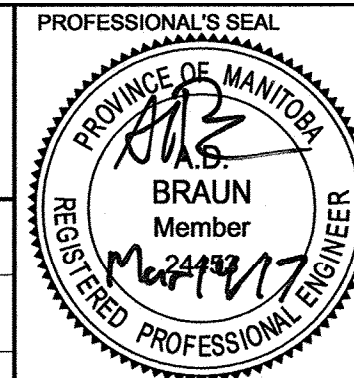
CITY DRAWING NUMBER

D-13302

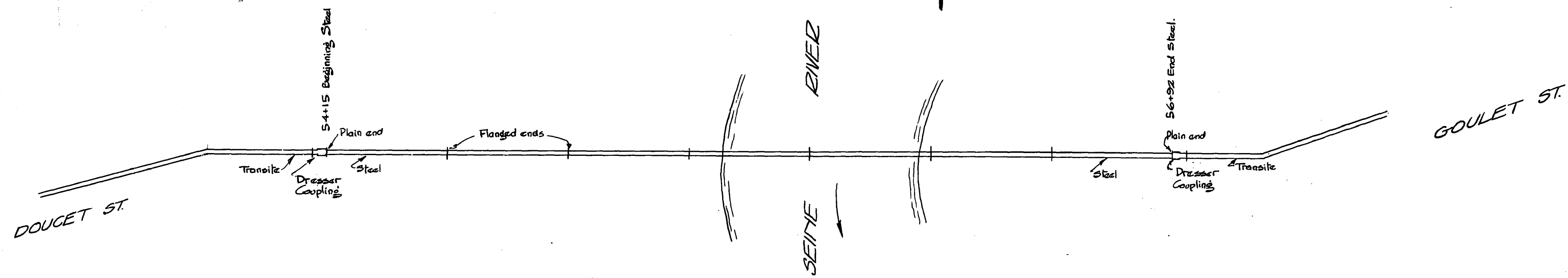
REV 2

AECOM

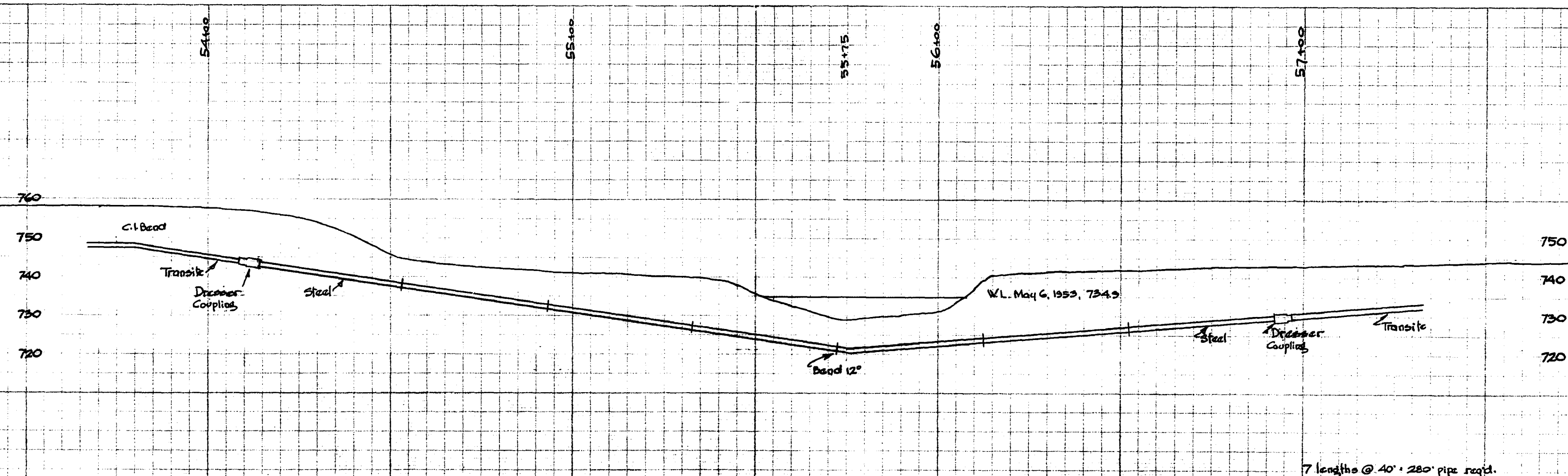
DESIGNED BY	ADB	CHECKED BY	ADB
DRAWN BY	ADL	APPROVED BY	ADB
HOR. SCALE	AS NOTED	RELEASED FOR CONSTRUCTION	ADB
VERT. SCALE	N/A	DATE	



CONSULTANT DRAWING NO.
60270487-SHT-30-0000-C-1002



PLAN



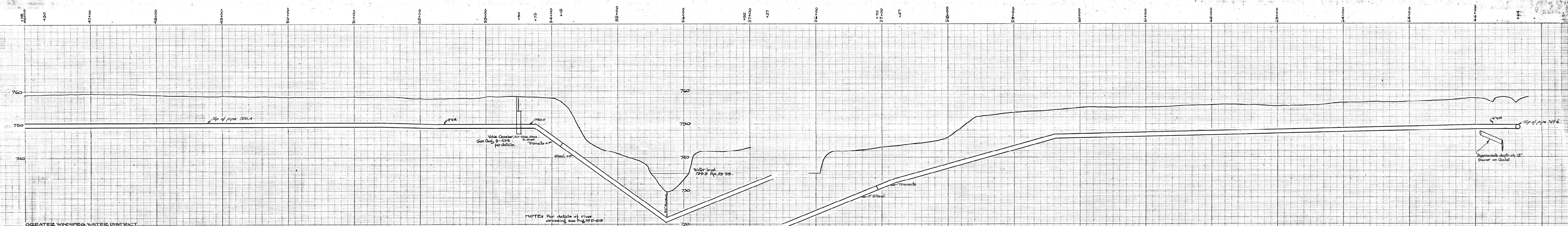
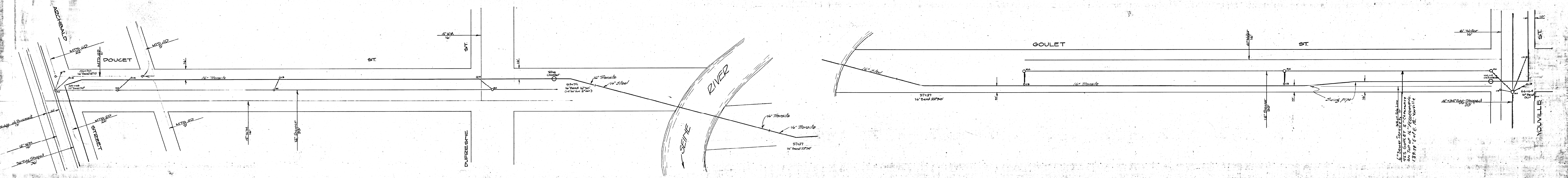
PROFILE

GREATER WINNIPEG WATER DISTRICT
ST. VITAL CONNECTION CROSSING
OF SEINE RIVER
SCALE: Hor. 1" = 20'
Ver. 1" = 20'

Winnipeg, June 3, 1953

Revised June 25, 1955 - Dresser Couplings added.

[Signature]
GENERAL MANAGER

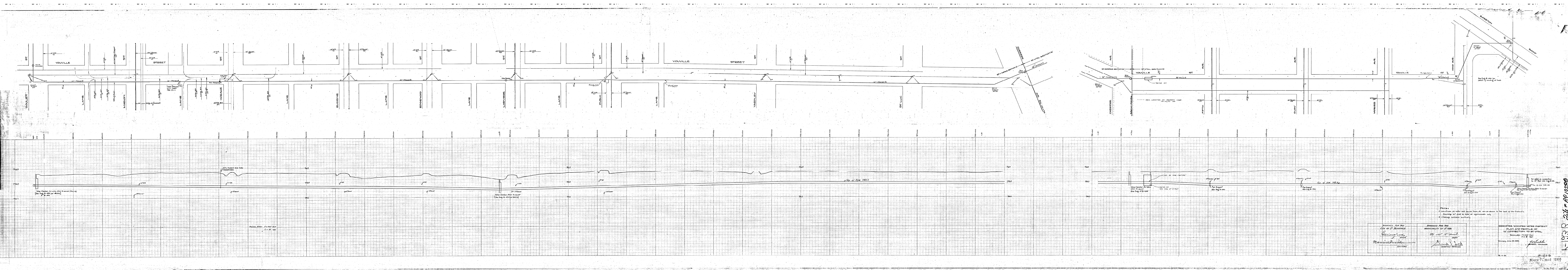


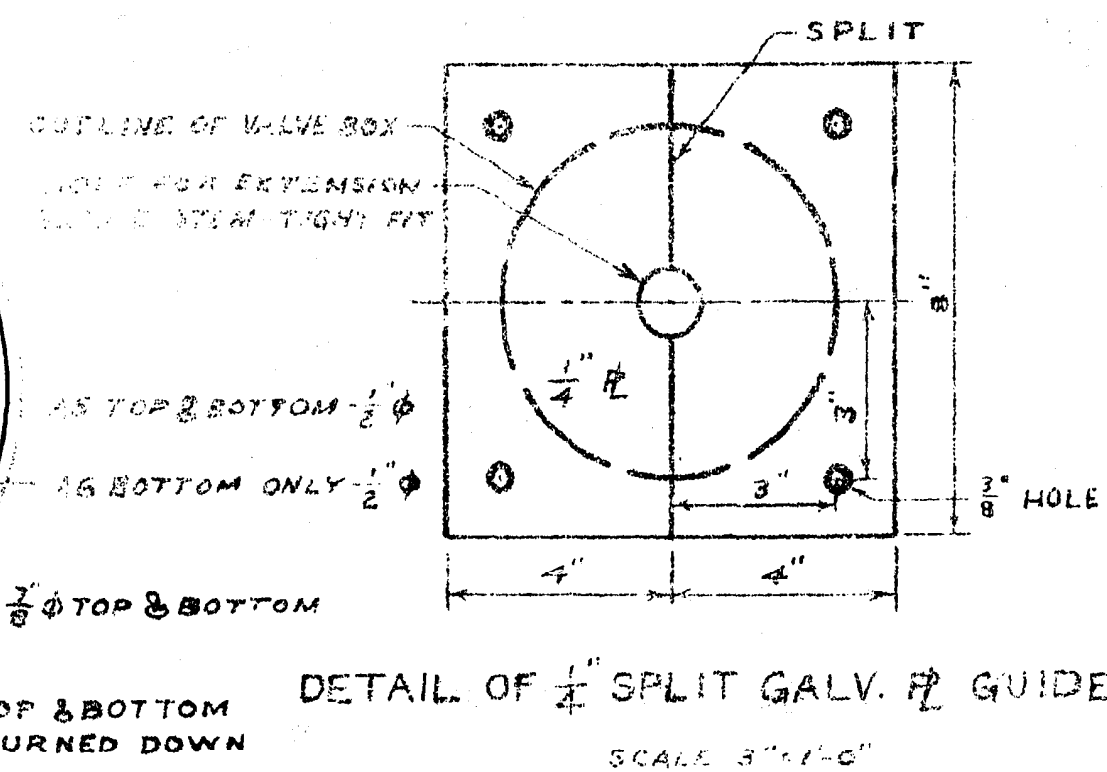
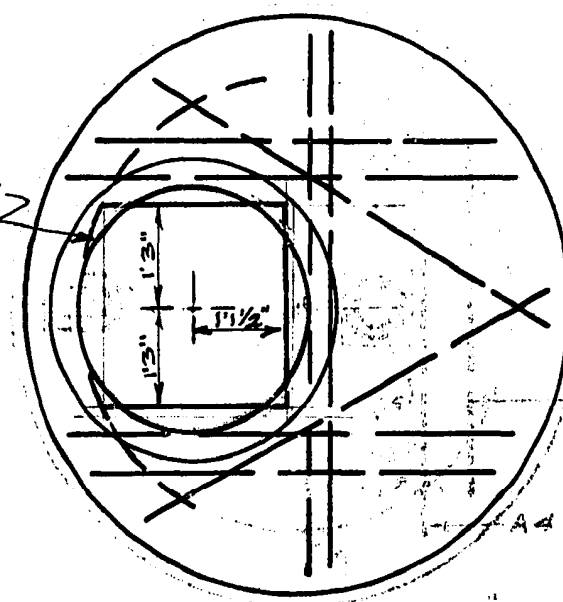
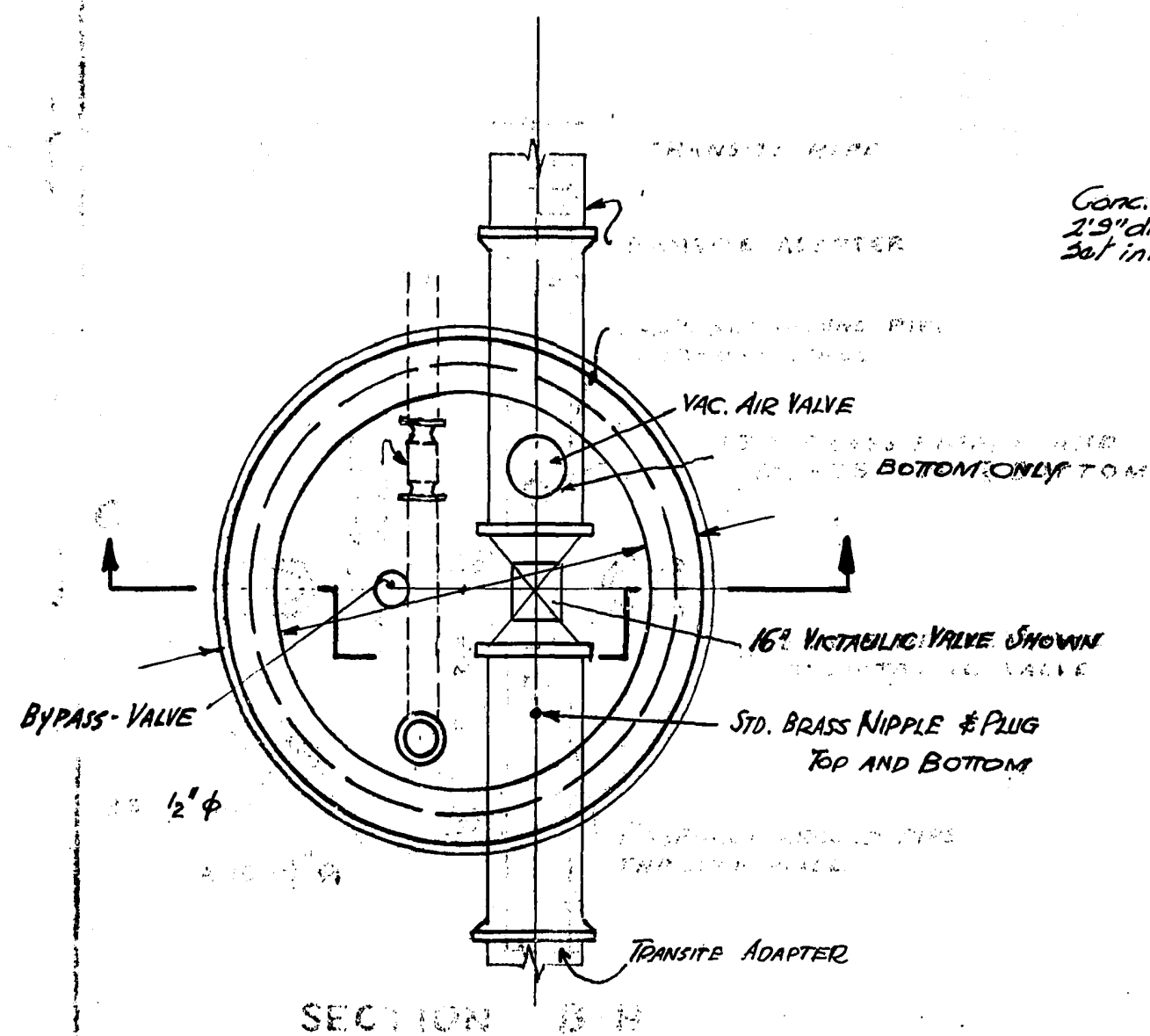
GREATER WINNIPEG WATER DISTRICT
PLAN AND PROFILE OF
16" CONNECTION TO ST. VITAL
Scale: 1" = 40' Hor.
1" = 5' Ver.

Working June 22, 1953

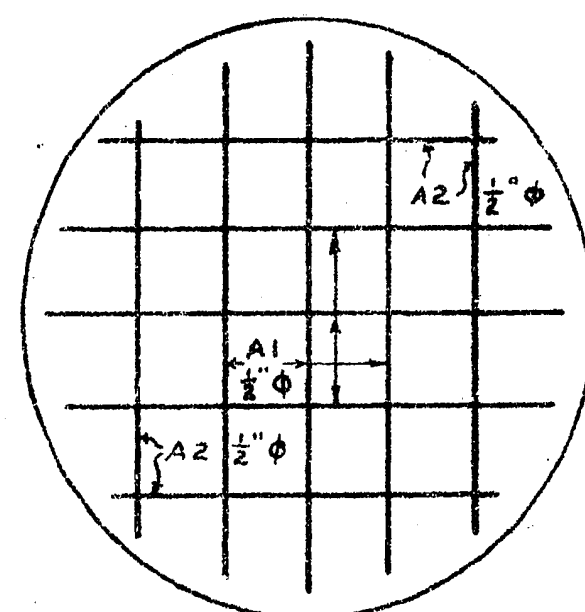
E.C.S.

P-1235B





SECTION A-A

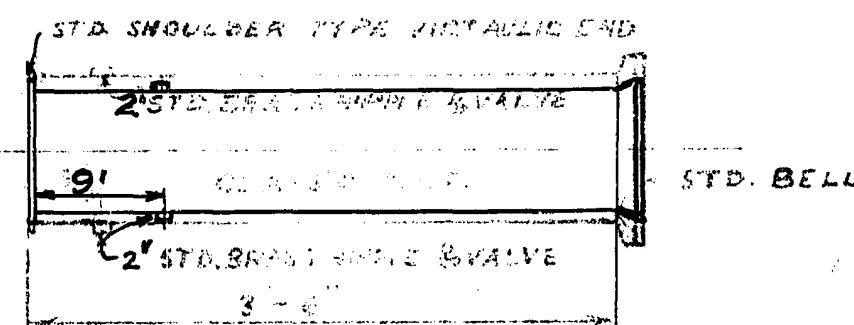


FLOOR SLAB REINFORCING

5'-0" DIAM. VALVE PIT
6 required.

REINFORCING SCHEDULE

NO.	SIZE	NO.	LENGTH	TYPE	LOCATION
A1	1/2"	6	7'-8"	SLAB	FLOOR SLAB
A2	1/2"	4	6'-8"	SLAB	FLOOR SLAB
A3	1/2"	4	7'-2"	SLAB	ROOF SLAB
A4	1/2"	2	6'-6"	SLAB	FLOOR SLAB
A5	1/2"	12	5'-1"	SLAB	FLOOR SLAB
A6	1/2"	1	5'-1"	SLAB	FLOOR SLAB
A7	1/2"	8	2'-6"	SLAB	M. H.
A8	1/2"	1	9'-11"	WELD. REIN.	WALLS
A9	1/2"	6	17'-8"	WELD. REIN.	WALLS
A10	1/2"	8	7'-2"	SLAB	FLOOR SLAB



CLASS "C" C.I. CONNECTING PIPES
SAML. 161. C.I. PAS. W. M.
2 REQUIRED PER VALVE PIT
SCALE 3/4" = 1'-0"

NOTES

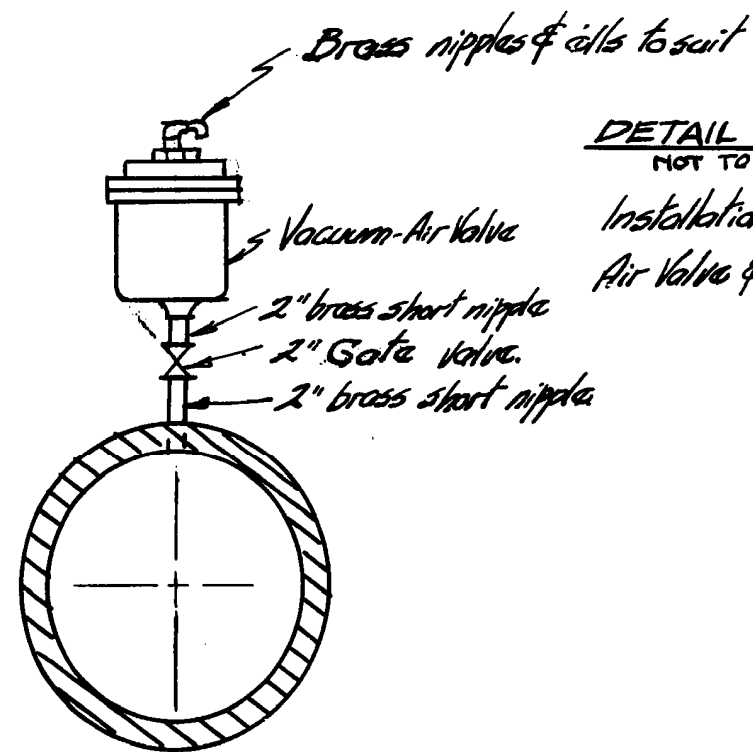
ALL CONCRETE FOR VALVE PITS TO BE ALKALI RESISTING WITH 3000 P.S.I. COMP. STRENGTH AT 28 DAYS.

PLACE 6" X 6" CONCRETE PIER UNDER THE TEE OR CROSS AND BRACE THE JOINTS OF THE WALLS TO FLOOR SLAB.

AIR VALVES AND FITTINGS SUPPLIED BY DISTRICT
PTOP, floor grating, backwater valve & file pipe to connect to sewer by Contractor.

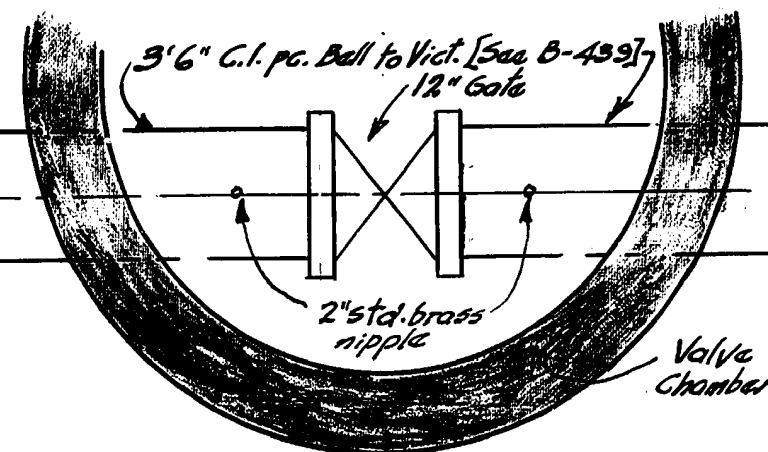
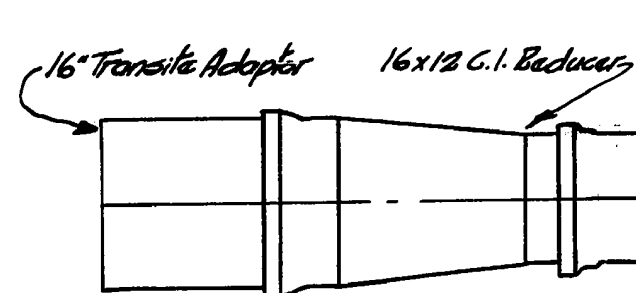
GREATER WINNIPEG WATER DISTRICT

DRAWN T.Z.	DATE JUNE 24, 53	TITLE: DETAILS OF VALVE PITS FOR ST. VITAL CONNECTION
TRACED	CHECKED R.C.S.	
APPROVED		
W.S. Bubbs/s		SCALE AS SHOWN
GEN. MGR.		DWG. NO. B-439



DETAIL OF AIR VALVES.
NOT TO ANY SCALE.

Installation by Contractor
Air Valve & fittings by District.

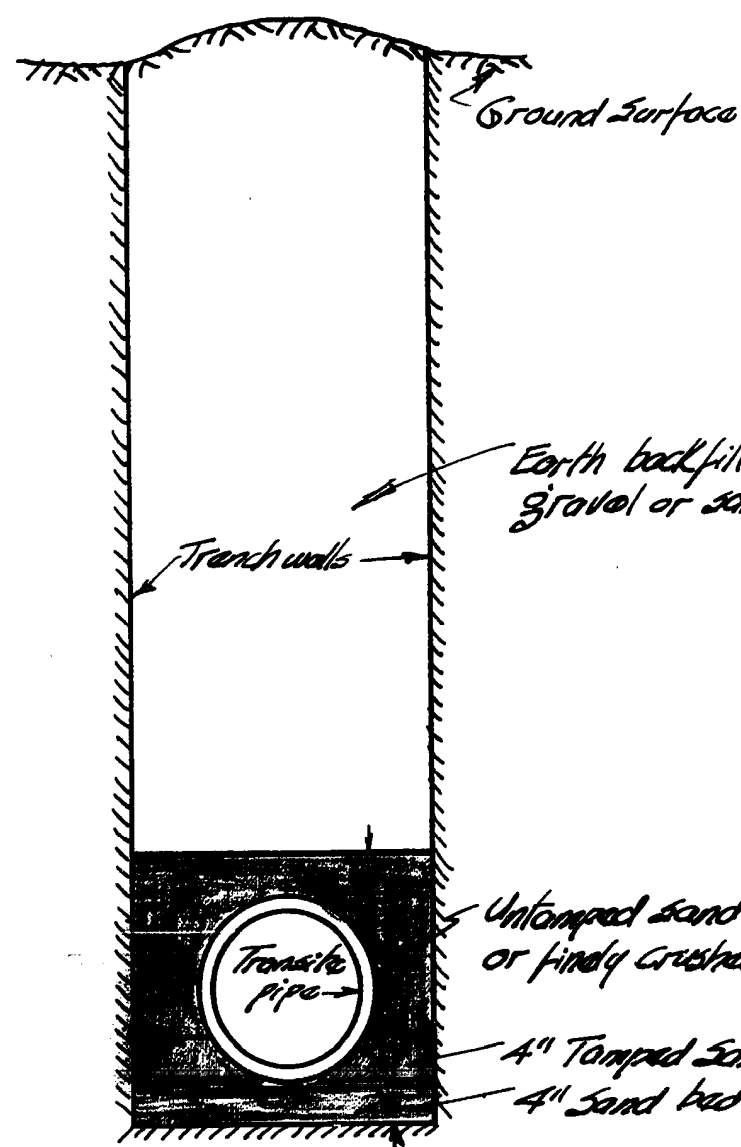
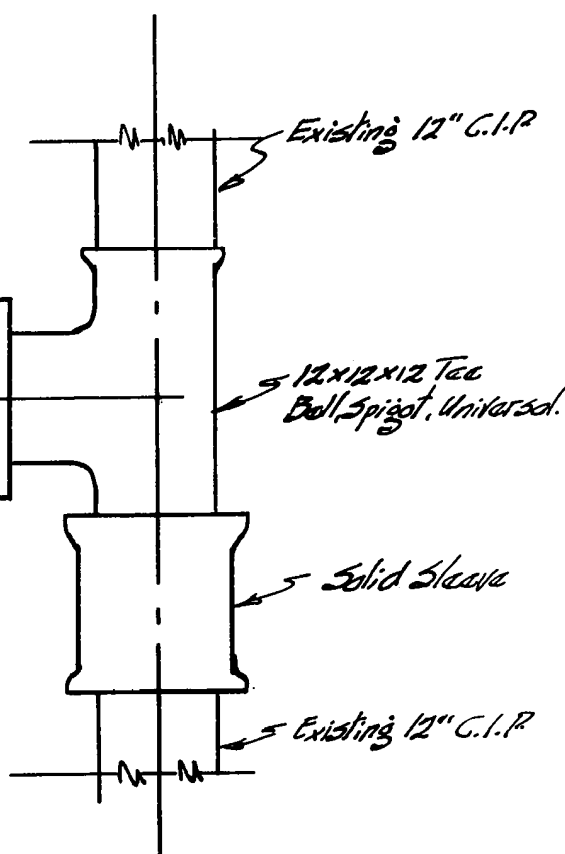


DETAIL OF CONNECTION TO C.H.P. MAIN

SCALE: $\frac{1}{2}" = 1'0"$

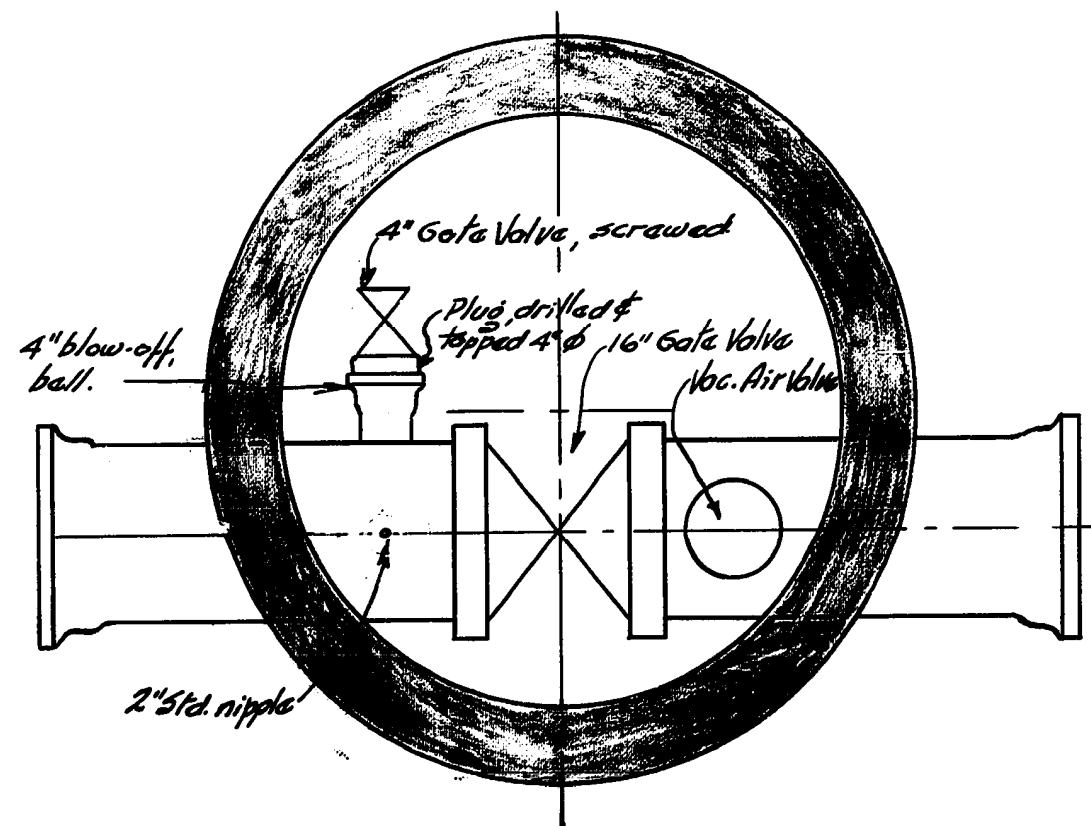
1 pc. C.I.P. 6' 0" 1/8" spigot to pt.

12" Un. Adj. Coupling



METHOD OF BACKFILLING.

NOT TO ANY SCALE.



DETAIL OF VALVE CHAMBER STA. 66+75
SHOWING CONNECTION FOR BLOW-OFF VALVE.

SCALE: $\frac{1}{2}" = 1'0"$

GREATER WINNIPEG WATER DISTRICT
ST. VITAL CONNECTION
DETAILS

SCALES AS SHOWN

DRAWN BY. E.C.S.
CHECKED BY.

W.S. Bulbin
GENERAL MANAGER.

July 29, 1953

B-441