

FITTING NOTE #5:
Tee Three Way TDW SHORTSTOPP 3000 Spherical
Welded Class 300 STD W.T. Outlet ASME B31.8 C/W
Shortplug & Flange CA-2367-0000-00

FITTING No. _____

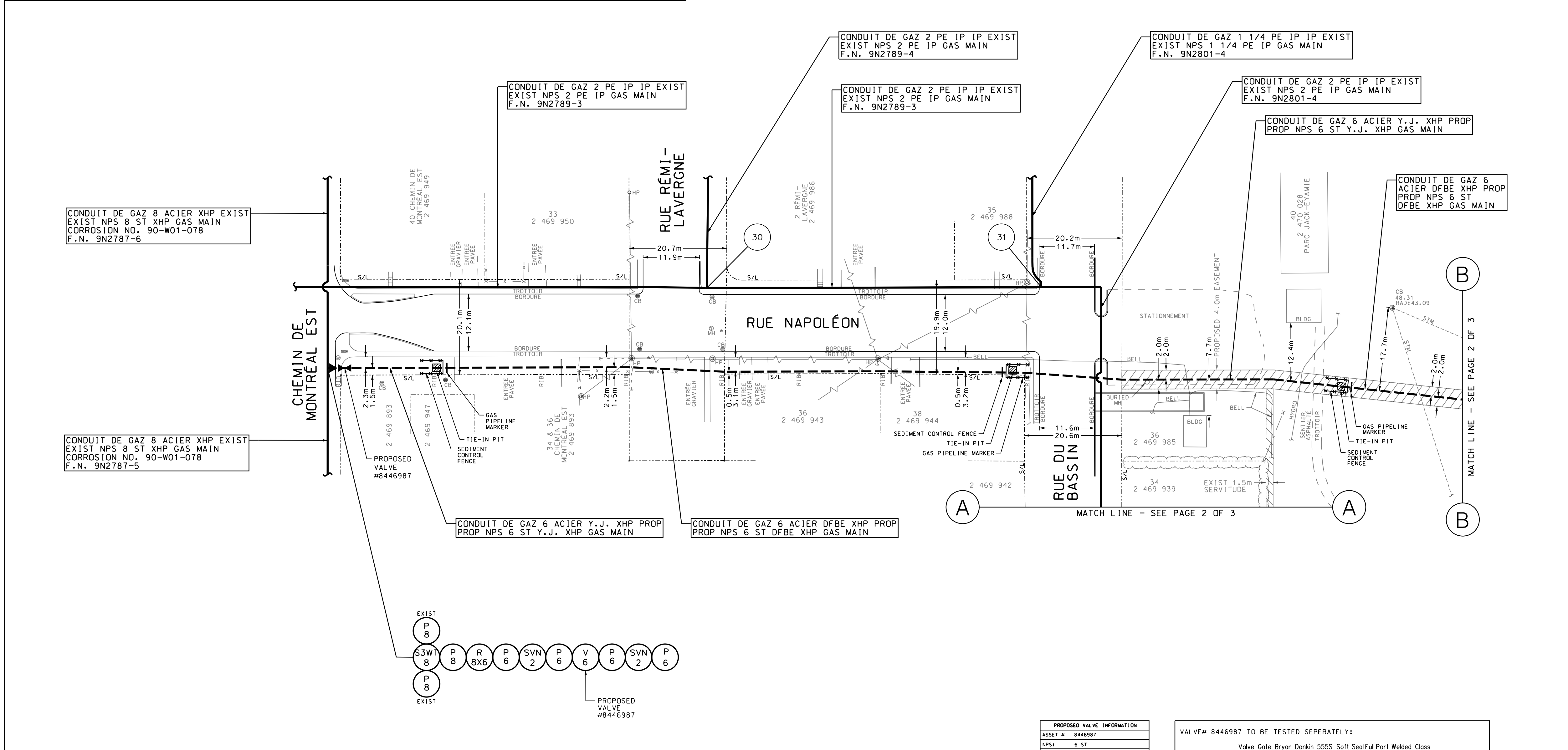
TEST @ _____ 3792 kPa W/ _____ NITROGEN

TYPE _____ LEAK DURATION _____ 1 HR (MIN)

INSPECTOR	SIGNATURE	CERT. No.	DATE

INSPECTOR _____
FITTER _____
NOTEKEEPER _____
CONTRACTOR _____

TIE-IN FITTING TEST NOTE:
ALL TIE-IN FITTINGS FOR XHP SYSTEMS MUST BE TESTED SEPARATELY
AT 110% MOP OF NOT LESS THAN 1-HOUR



NOTES #1: GAZIFÈRE

- ALL ASPHALT ROAD, DRIVEWAY & TREE CROSSINGS TO BE HORIZONTAL DIRECTIONAL DRILLED IF POSSIBLE.
- ANY AUGERED, PLOWED, BORED OR DRILLED PIPE MUST USE 14 GAUGE TRACER WIRE AS PER SECTION 11.2.8 IN THE CAM MANUAL.
- ALL PROPOSED GAS MAIN AND SERVICES SHALL HAVE A MINIMUM COVER OF 900mm IF MAIN IS LOCATED WITHIN THE EXISTING TRAVELLED ROADWAY. SPECIFYING DISTANCES FROM ASPHALT EDGE OR EDGE OF CURB OR PROPERTY LINE AT A DEPTH OF 700mm FROM GRADE (GRADE TO BE OBTAINED BY THE PIPELINE CONTRACTOR) UNLESS OTHERWISE NOTED.
- ALL APPLICABLE PURGING PROCEDURES SHALL BE FOLLOWED, AS OUTLINED IN THE CAM MANUAL.
- PIPELINE MARKERS TO BE PLACED ON ALL PURGE CAPS AND WELD CAPS.
- PIPELINE MARKERS TO BE INSTALLED AS THE P.O.R. AND THE CAM MANUAL.
- ANODES, TEST POINTS AND PIPELINE MARKERS TO BE INSTALLED WHERE SHOWN ON THE PLAN UNLESS APPROVED BY PLANNING AND/OR CORROSION.
- ALL PROPOSED GAS MAIN AND SERVICES SHALL HAVE A MINIMUM COVER OF 1200mm WHEN SUBJECT TO MINISTRY OF TRANSPORT OF QUEBEC HIGHWAY CROSSING.

SEDIMENT CONTROL NOTE #1:

PLAN OF SILT FENCE BARRIER N.T.S.

SECTION A - A N.T.S.

ONTARIO PROVINCIAL STANDARD DRAWING 1996.02.01 REV. 1
HEAVY DUTY SILT FENCE BARRIER
DATE: _____
OPSD - 219.130

NOTES #1: GAZIFÈRE

- LA CONDUITE DE GAZ NATUREL DÉMONTREÉ SUR CE PLAN SERA INSTALLÉE À L'ENDROIT INDICÉ, À MOINSQU'IL EN SOIT AUTREMENT INDICÉ. CE PLAN RESPECTE LES NORMES DE LA MUNICIPALITÉ À L'ÉGARD DE LA DISTANCE DES BORDURES DE BÉTON, DU PAVÉ ET DES LIGNES DE PROPRIÉTÉS.
- DANS LA NOUVELLE CONSTRUCTION LA CONDUITE DE GAZ PROPOSÉE SERA ENFOUÏE À UNE PROFONDEUR MINIMALE DE 700mm SOUS LA PREMIÈRE SURFACE DE PAVÉ ET AINSI LORSQU'IL S'AGIT D'UN RESEAU A DOUBLE CONDUITE, DANS LES AUTRE CAS, 900mm.
- DANS UNE RUE EXISTANTE LA CONDUITE DE GAZ PROPOSÉE SERA ENFOUÏE À UNE PROFONDEUR MINIMALE DE 900mm LA SURFACE EXISTANTE.
- L'ENTREPRENEUR GÉNÉRAL CHARGÉ DE L'INSTALLATION DE CETTE CONDUITE SERA TENUE RESPONSABLE DE GARANTIR CETTE PROFONDEUR À MOINS QU'IL EN SOIT AUTREMENT AUTORISÉ PAR LA MUNICIPALITÉ OU LE MINISTÈRE DU TRANSPORT DU QUÉBEC.
- LES INSTALLATIONS DES AUTRES SERVICES PUBLICS NE SONT PAS INDICÉES SUR CE PLAN. AVANT DE CRUSER LE CONTRAICTEUR GÉNÉRAL DU GAZIFÈRE DEVRÀ OBTENIR LA LOCALISATION DE CES SERVICES.
- TOUTES LES TRAVERSÉES DE ROUTE BITUMÉE, DE VOIE D'ACCÈS POUR AUTO ET D'ARBRE DOIVENT ÊTRE RÉALISÉES PAR FORAGE DIRIGÉ HORIZONTAL (DANS LA MESURE DU POSSIBLE).
- TOUTE CONDUITE ENFOUÏE DANS UNE TRANCHÉE LÈVÉE AU MOYEN D'UNE TARIÈRE D'UNE CHARRUE OU PAR FORAGE DOIT ÊTRE MUNIE DE CÂBLES TRACÉURS DE CALIBRE 14 CONFORMEMENT AU PARAGRAPHE 11.2.9 DU MANUEL DE CONSTRUCTION ET DES MATÉRIEL (C ET M).
- TOUTE TRAVERSÉE DE RUE OU CONDUITE PRINCIPALE QUI EST INSTALLÉ À L'INTÉRIEUR DE L'INFRA D'UNE RUE SERA ENFOUÏE À UNE PROFONDEUR MINIMALE DE 900mm SOUS LA SURFACE D'ASPHALTE.
- TOUTE TRAVERSÉE DE RUE OU CONDUITE PRINCIPALE ET SERVICE QUI EST INSTALLÉ À L'INTÉRIEUR DES ROUTES DU MINISTÈRE DU TRANSPORT DU QUÉBEC SERA ENFOUÏE À UNE PROFONDEUR MINIMALE DE 1200mm SOUS LA SURFACE D'ASPHALTE.

EASEMENT NOTE #2:
PERMANENT EASEMENT REQUIRED.

WELDING NOTE #1:
WELDING PROCEDURES
USE ONLY THE APPROVED WELDING PROCEDURES THAT APPLY:
- WITHIN THE REGULATORY JURISDICTION
- FOR THE SPECIFIC APPLICATION
- TO THE TYPE OF JOINT
- THE PIPE GRADE, CARBON EQUIVALENT, PRESSURE, DIAMETER AND WALL THICKNESS RANGE.

PROPOSED VALVE INFORMATION

ASSET #	8446987
NPS:	6 ST
MAKE:	BRYAN DONKIN
MODEL:	5555
SERIAL #:	1
OPEN / CLOSED	AGGREGÉ Y / N
GEAR BOX:	Y / N KEY L / R / S
# OF TURNS:	
ACTUATOR:	Y / N
# OF GREASE PORTS:	(IF LUBRICATED)
ABOVE GRADE / BELOW GRADE	
INSIDE COMPOUND/OUTSIDE COMPOUND	
INSTALLED DATE:	
NOTE:	

VALVE# 8446987 TO BE TESTED SEPARATELY:
Valve Gate Bryan Donkin 5555 Soft SealFullPort Welded Class 300 STD Bore API6D ASTM A216 T.B. to 4.8mm 720 psig

FITTING No. _____

TEST @ _____ 3792 kPa (MAX 6950 kPa) W/ _____ NITROGEN

TYPE _____ LEAK DURATION _____ 1 HR (MIN)

INSPECTOR	SIGNATURE	CERT. No.	DATE

INSPECTOR _____
FITTER _____
NOTEKEEPER _____
CONTRACTOR _____

ENBRIDGE GAS DISTRIBUTION LEGEND / LÉGENDE

PROP. ABANDONED GAS MAIN CONDUIT DE GAZ EXISTANT À ABANDONNER

PROPOSED GAS MAIN - - - - - CONDUIT DE GAZ PROPOSÉ

EXISTING GAS MAIN _____ CONDUIT DE GAZ EXISTANT À CONSERVER

No	FIELD CHANGE	APPROVED BY	DATE OF FIELD CHANGE

PROPOSED ENBRIDGE BILL OF MATERIALS

MARK	SIZE	STOCK No	REQD	DESCRIPTION	Crew
PE	6	080183	9m	Pipe PE Medium Density PE2708 SDR 11 CSA B137.4 Straight	
P	4	0913086	AS REQD	Pipe Steel GR. 290 W.T. 4.0mm CSA Z245.1 CAT. 1 Coating to CSA Z245.20 Y.J.	
P	8	0923000	AS REQD	Pipe Steel GR. 359 W.T. 4.8mm CSA Z245.1 CAT. 1 Coating to CSA Z245.20 Y.J.	
P	2	0924500	AS REQD	Pipe Steel GR. 359 STD W.T. CSA Z245.1 CAT. 1 Coating to CSA Z245.20 Y.J.	
P	6	0926770	249m	Pipe Steel GR. 359 W.T. 4.8 mm CSA Z245.1 CAT. 1 Coating to CSA Z245.20 Y.J.	
P	6	0929120	43m	Pipe Steel D.F.B.E. L360 W.T. 4.8 mm API5L PSL2	
C	2	102143	1	Cop. Welded WPB STD W.T. ASME B16.9 ASTM A234	
C	4	102472	1	Cop. Welded WPB STD W.T. ASME B16.9 ASTM A234 T.B. to 4.8mm	
C	6	102507	1	Cop. Welded WPB STD W.T. ASME B16.9 ASTM A234 T.B. to 4.8mm	
EL30	6	110301	3	Elbow 90 L.R. Welded WPB STD W.T. ASME B16.9 ASTM A234 T.B. to 4.8mm	
EL45	6	1104303	3	Elbow 45 L.R. Welded WPB STD W.T. ASME B16.9 ASTM A234 T.B. to 4.8mm	
SVN	2	1122641	9	nipple Save-A-Valve Mueller H-17491 Forged Steel Body and Cap Welded ASTM A105 1440 psig	
R	4x2	1127293	1	Reducer Concentric Welded WPB STD W.T. ASME B16.9 ASTM A234 T.B. to 4.8 x 3.9mm	
R	6x4	1127588	2	Reducer Concentric Welded WPB STD W.T. ASME B16.9 ASTM A234 T.B. to 4.8mm	
T	6	1137300	1	Tee Welded WPB STD W.T. ASME B16.9 ASTM A234 T.B. to 4.8mm	
S3WT	8	1176610	1	Tee Three Way TDW SHORTSTOPP 3000 Spherical Welded Class 300 STD W.T. Outlet ASME B31.8 C/W Shortplug & Flange CA-2367-0000-00	
R	8x6	1187115	1	Reducer Concentric Welded GR. 290 STD W.T. CSA Z245.1 CAT. 1 T.B. to 5.1mm	
TF	6	1810237	1	Tee PE Rohn Medium Density Butt Fused PE2708 SDR 11 CSA B137.4	
TF	6	1812062	1	Transition Fitting Perfection PE x Steel Pipe CSA B137.4 C/W Protective Sleeve	
VB	1815050	2	Valve Box Heavy Duty Plastic HANDLEY For Steel Valves on Boulevard		
VB	1815107	1	Valve Box Standard Plastic HANDLEY For Steel Valves on Boulevard		
ECE	6	1815863	AS REQD	PE Innozap Medium Density Electrofusion PE470 CSA B137.4.1	
PM	2140100	AS REQD	Pipeline Marker Temporary Rhino 48 in Yellow Hybrid 1-Rail Includes Custom Decals *RHPI-48Y		
PM	2140200	AS REQD	Pipeline Marker Temporary Rhino 66 in Yellow Hybrid 1-Rail Includes Custom Decals *RHPI-66Y		
PM PP	2116000	AS REQD	Permanent Pipeline Marker Post		
PM PS	2116500	AS REQD	Permanent Pipeline Marker Sign		
A	11B	221016	1	Anode Galvanic 1 lb Magnesium ASTM B843 Bore	
TP	1	222081	1	Test Point Plastic Low Profile Two Wire N-S GCC	
V	6	2359731	3	Valve Gate Bryan Donkin 5555 Soft SealFullPort Welded Class 300 STD Bore API6D ASTM A216 T.B. to 4.8mm 720 psig	
TV	3036111	AS REQD	Wire Electrical 14 AWG 30 V HS-CCS/CCS Tracer Yellow		

I DECLARE THE INSTALLATION AND TESTING OF THE PIPELINE WAS CARRIED OUT IN ACCORDANCE WITH ONTARIO REGULATIONS (O. REG 210/01 s. 16 (14)) AND CONFORMED TO THE ORIGINAL DESIGN STANDARDS AND APPROVED REVISED SPECIFICATIONS AND METS COMPANY STANDARD

NAME/DATE: _____

SIGNATURE: _____

GPI CERTIFICATE NUMBER: _____

NOTE: THIS MUST BE FILLED IN BY PERSON(S) WITH A VALID GPI CERTIFICATE.

METHOD OF CONSTRUCTION:
COMBINATION OF OPEN CUT AND HORIZONTAL DIRECTIONAL DRILLING

TEST INFORMATION:

CLASS & TEST PRESSURE (kPa): IP - 700	TEST MEDIUM: IP - AIR/ NITROGEN	TEST DURATION: PER CONSTRUCTION & MAINTENANCE MANUAL TABLE 23.1 & 23.2
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TEST LOCATION: ABOVE GROUND BELOW GROUND

TESTED @ _____ kPa DURATION: _____ h / min

WITH: AIR / NITROGEN / WATER TEST TYPE: SPRING GAUGE / TEST CHART / DRAGNET / OTHER

INSPECTOR: _____ CERT No: _____ DATE: _____

FITTER/WELDER: _____ EGD No: _____ DATE: _____

NOTEKEEPER: _____ CERT No: _____ DATE: _____

CONTRACTOR: _____ CREW I.D.: _____ DATE: _____

INSPECTION DETAILS:

START DATE: _____ COMPLETION DATE: _____ ENERGIZED DATE: _____

CONSTRUCTED BY: _____ ENERGIZED BY: _____ STAKED BY: _____

TEST INFORMATION:

CLASS & TEST PRESSURE (kPa): XHP STRENGTH TEST - 9000 LEAK TEST - 6300	TEST MEDIUM: WATER	TEST DURATION: PER CONSTRUCTION AND MAINTENANCE MANUAL TABLE 23.1 AND 23.2
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TEST LOCATION: ABOVE GROUND BELOW GROUND

TESTED @ _____ kPa DURATION: _____ h / min

WITH: AIR / NITROGEN / WATER TEST TYPE: SPRING GAUGE / TEST CHART / DRAGNET / OTHER

INSPECTOR: _____ CERT No: _____ DATE: _____

FITTER/WELDER: _____ EGD No: _____ DATE: _____

NOTEKEEPER: _____ CERT No: _____ DATE: _____

CONTRACTOR: _____ CREW I.D.: _____ DATE: _____

INSPECTION DETAILS:

START DATE: _____ COMPLETION DATE: _____ ENERGIZED DATE: _____

CONSTRUCTED BY: _____ ENERGIZED BY: _____ STAKED BY: _____

No	REVISION FOR COMPLETE PROJECT	COMPLETED BY	DATE
1	UPDATED TESTING REQUIREMENTS PAGE 1 AND TIE-IN FITTINGS ON PAGE 3 PER ENGINEERING	P GARNIER	2018-07-19

CONSULTANT: ALARY ST-PIERRE & DUROCHE APRENTEURS - GÉOMÈTRES

PROJECT: RUE NAPOLEON

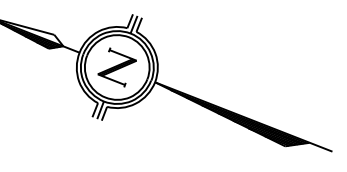
MATERIAL: PE ✓ ST ✓	LOCATION CLASS: 1 2 3 4	MUNICIPALITY: VILLE DE GATINEAU (MASSON - ANGERS)
ENGINEERING APPROVAL:	GRID No: 226 PLATE No: 180 & A70 NETWORK No: XHP - 6580 IP - 9018	PROJECT No / No de PROJET: 20011680 MASTER W.O No: No de REQUÊTE: 20599360 DRAWN BY: N ISRATE DATE: 2018-06-13 G. CHEFF
CORROSION No: 90-W01-07B CORROSION APPROVAL/DATE: APPROVED BY:	DATE APPROVED:	DATE APPROVED:

THE DESIGN OF AND THE CONSTRUCTION SPECIFICATIONS FOR THIS PIPELINE ARE IN COMPLIANCE WITH ENBRIDGE.

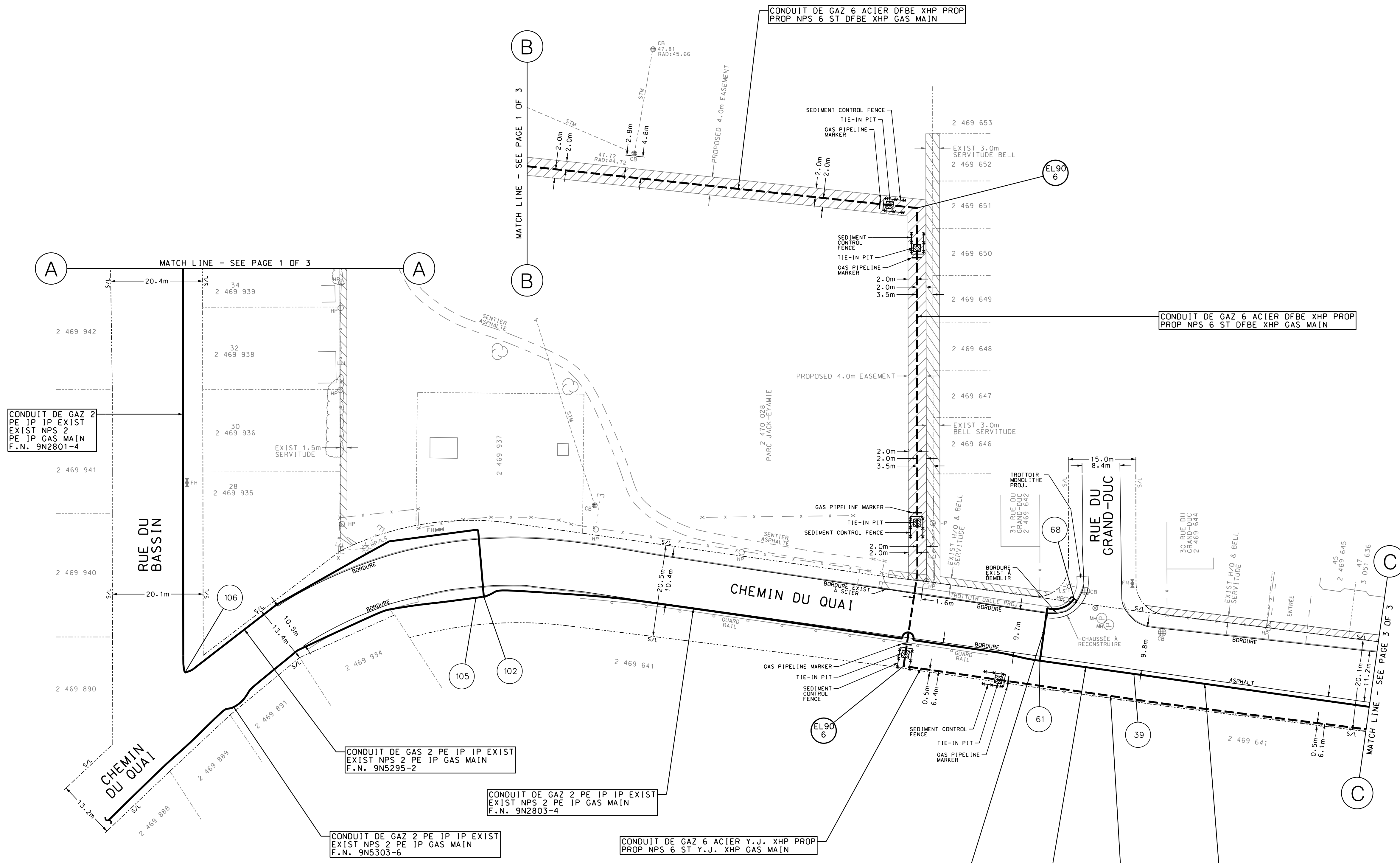
Gazifère
Une société ENBRIDGE

ASLAMD NUMBER: _____

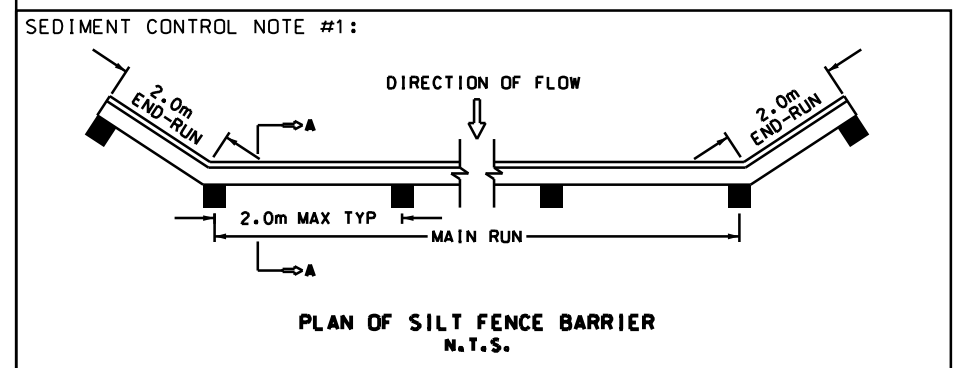
SCALE: 1 OF 3
PLANNER: G. CHEFF



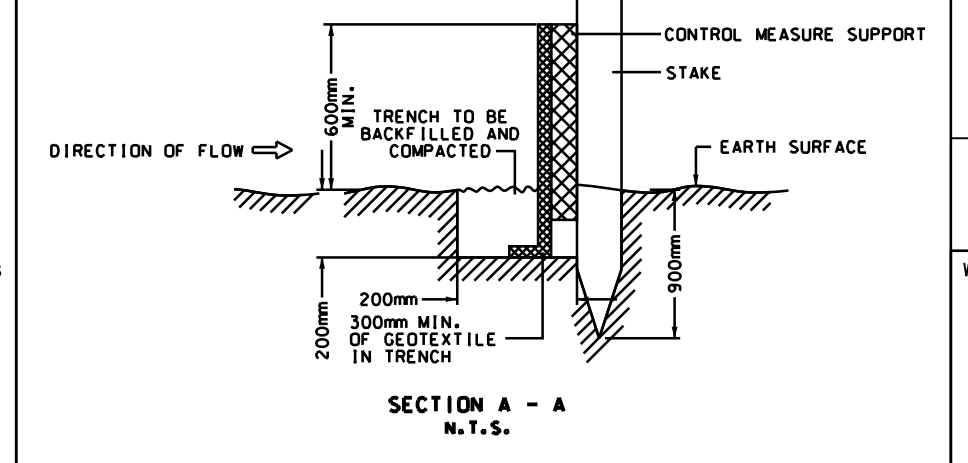
ASLAD NUMBER:



- NOTES #1: GAZIFERE
- ALL ASPHALT ROAD, DRIVEWAY & TREE CROSSINGS TO BE HORIZONTAL DIRECTIONAL DRILLED IF POSSIBLE.
 - ANY AUGERED, PLOWED, BORED OR DRILLED PIPE MUST USE 14 GAUGE TRACER WIRE AS PER SECTION 11.2.8 IN THE C&M MANUAL.
 - ALL PROPOSED GAS MAIN AND SERVICES SHALL HAVE A MINIMUM COVER OF 900mm IF MAIN IS LOCATED WITHIN THE EXISTING TRAVELLED ROADWAY.
 - ALL PROPOSED GAS MAINS FOR NEW SUBDIVISIONS OFFSETS ARE DETERMINED AS PER VARIOUS MUNICIPALITIES SPECIFICATION DOCUMENT SPECIFYING DISTANCES FROM ASPHALT EDGE OR EDGE OF CURB OR PROPERTY LINE AT A DEPTH OF 700mm FROM GRADE (GRADE TO BE OBTAINED BY THE PIPELINE CONTRACTOR) UNLESS OTHERWISE NOTED.
 - ALL APPLICABLE PURGING PROCEDURES SHALL BE FOLLOWED, AS OUTLINED IN THE C&M MANUAL.
 - PIPELINE MARKERS TO BE PLACED ON ALL PURGE CAPS AND WELD CAPS.
 - PIPELINE MARKERS TO BE INSTALLED AS THE P.O.R. AND THE C&M MANUAL.
 - ANODES, TEST POINTS AND PIPELINE MARKERS TO BE INSTALLED WHERE SHOWN ON THE PLAN UNLESS APPROVED BY PLANNING AND/OR CORROSION.
 - ALL PROPOSED GAS MAIN AND SERVICES SHALL HAVE A MINIMUM COVER OF 1200mm WHEN SUBJECT TO MINISTRY OF TRANSPORT OF QUEBEC HIGHWAY CROSSING.



- NOTES #1: GAZIFERE
- LA CONDUITE DE GAZ NATUREL DEMONTREE SUR CE PLAN SERA INSTALLEE A L'ENDROIT INDIQUE. A MOINSQU'EN SOIT AUTREMENT INDIQUE, CE PLAN RESPECTE LES NORMES DE LA MUNICIPALITE A L'EGARD DE LA DISTANCE DES BORDURES DE BETON, DU PAVE ET DES LIGNES DE PROPRIETES.
 - DANS LA NOUVELLE CONSTRUCTION LA CONDUITE DE GAZ PROPOSEE SERA ENFOUIE A UNE PROFONDEUR MINIMALE DE 700mm SOUS LA PREMIERE SURFACE DE PAVE ET AUSTRI LORSQU'IL S'AGIT D'UN RESEAU A DOUBLE CONDUITE, DANS LES AUTRE CAS, 900mm.
 - DANS UNE RUE EXISTANTE LA CONDUITE DE GAZ PROPOSEE SERA ENFOUIE A UNE PROFONDEUR MINIMALE DE 900mm LA SURFACE EXISTANTE.
 - L'ENTREPRENEUR GENERAL CHARGE DE L'INSTALLATION DE CETTE CONDUITE SERA TENUE RESPONSABLE DE GARANTIR CETTE PROFONDEUR A MOINS QU'IL EN SOIT AUTREMENT AUTORISE PAR LA MUNICIPALITE OU MINISTERE DU TRANSPORT DU QUEBEC.
 - LES INSTALLATIONS DES AUTRES SERVICES PUBLICS NE SONT PAS INDIQUEES SUR CE PLAN. AVANT DE CREUSER, LE CONTRACTEUR GENERAL DE GAZIFERE DEVRA OBTENIR LES LOCALISATION DE CES SERVICES.
 - TOUTES LES TRAVERSES DE ROUTE BITUMEE, DE VOIE D'ACCES POUR AUTO ET D'ARBRE DOIVENT ETRE REALISEES PAR FORAGE DIRIGE HORIZONTAL (DANS LA MESURE DU POSSIBLE).
 - TOUTE CONDUITE ENQUEIE DANS UNE TRANCHEE LEVEE AU MOYEN D'UNE TARIERE, D'UNE CHARRUE OU PAR FORAGE DOIT ETRE MUNIE DE CABLES TRACERES DE CALIBRE 14 CONFORMEMENT AU PARAGRAPHE 11.2.9 DU MANUEL DE CONSTRUCTION ET DES MATERIAUX (C ET M).
 - TOUTE TRAVERSE DE RUE OU CONDUITE PRINCIPALE QUI EST INSTALLEE A L'INTERIEUR SE L'INFRA D'UNE RUE SERA ENFOUIE A UNE PROFONDEUR MINIMALE DE 900mm SOUS LA SURFACE D'ASPHALTE.
 - TOUTE TRAVERSE DE RUE OU CONDUITE PRINCIPALE ET SERVICE QUI EST INSTALLEE A L'INTERIEUR DES ROUTES DU MINISTERE DU TRANSPORT DU QUEBEC SERA ENFOUIE A UNE PROFONDEUR MINIMALE DE 1200mm SOUS LA SURFACE D'ASPHALTE.



ONTARIO PROVINCIAL STANDARD DRAWING 1996 02 01 REV.

HEAVY DUTY SILT FENCE BARRIER

DATE: _____

OPSD - 219.130

- EASEMENT NOTE #2:
PERMANENT EASEMENT REQUIRED.
- WELDING NOTE #1:
WELDING PROCEDURES
- USE ONLY THE APPROVED WELDING PROCEDURES THAT APPLY:
- WITHIN THE REGULATORY JURISDICTION
 - FOR THE SPECIFIC APPLICATION
 - TO THE TYPE OF JOINT
 - THE PIPE GRADE, CARBON EQUIVALENT, PRESSURE, DIAMETER AND WALL THICKNESS RANGE.

ENBRIDGE GAS DISTRIBUTION LEGEND / LEGENDE

PROP. ABANDONED GAS MAIN	CONDUIT DE GAZ EXISTANT A ABANDONNER
PROPOSED GAS MAIN	CONDUIT DE GAZ PROPOSE
EXISTING GAS MAIN	CONDUIT DE GAZ EXISTANT A CONSERVER

STAMP AREA:		STAMP AREA:	
INSPECTION DETAILS:			
START DATE:	COMPLETION DATE:	ENERGIZED DATE:	
CONSTRUCTED BY:	ENERGIZED BY:	STAKED BY:	
PROJECT No/ No de PROJET:	20011680	DRAWN BY: N STRATE	
MASTER W.O. No/ No de REQUETE:	20599360	DATE: 2018-06-13	
Gazifere Une société ENBRIDGE		ASLAD NUMBER:	
SCALE: HORIZ: 1:500		PAGE: 2 OF 3	

