



**TEST STATION ID:** \_\_\_\_\_

Project Name: _____	Project No.: _____
Start Date: _____	Owner: _____ City of Calgary
Site Name: _____	CP Company: _____
Post Location (GPS): _____	CP Contact & Number: _____
_____	_____

<b>TEST LEAD INSTALLATION</b>			
<b>CARRIER PIPE</b>			
TASK	✓/✗	N/A	REMARKS
Materials Inspected for Defects / Damage?			
Materials Meet CoC 503.01.00 Approved Materials?			
Pipe Coating Removed and Surface Prepared?			
Pipe Wall Thickness Measured?			Wall Thickness Measured:
Copper Sleeve Used?			
#15CP Charge Used for Steel Pipe Welding?			
#45CP Charge Used for Non-Steel Pipe Welding?			
Thermite Weld Successful?			<b>IF FAILED, MOVE WELD MIN. 150MM AWAY</b>
Slag Removed from Weld?			
Welds Pass Pull Test and Visual Inspection?			
Additional Test Lead Separated >150mm?			
<b>Repeat Above Steps for ALL Additional Welds</b>			# of Additional Welds:
Resistance Measured Between Leads <1.0Ω?			Resistance:
Continuity Between Leads Confirmed?			
<b>Pictures of Welds Taken Before Recoating?</b>			
<b>ENCASEMENT PIPE</b>			
TASK	✓/✗	N/A	REMARKS
Encasement Surface Cleaned and Prepared?			
Copper Sleeve Used?			
#45CP Charge Used for Welding?			
Thermite Weld Successful?			<b>IF FAILED, MOVE WELD MIN. 150MM AWAY</b>
Slag Removed from Weld?			
Welds Pass Pull Test and Visual Inspection?			
Additional Test Lead Separated >150mm?			
<b>Repeat Above Steps for ALL Additional Welds</b>			# of Additional Welds:
Resistance Measured Between Leads <1.0Ω?			Resistance:
Continuity Between Leads Confirmed?			
<b>Pictures of Welds Taken Before Recoating?</b>			
<b>CONCRETE-STEEL ADAPTER OR FOREIGN PIPE</b>			
TASK	✓/✗	N/A	REMARKS
Type of Structure Identified? (Adapter or Foreign Pipe)			Structure:



Surface Cleaned and Prepared?			
Pipe Wall Thickness Measured?			Wall Thickness Measured:
Copper Sleeve Used?			
#15CP Charge Used for Steel Pipe Welding?			
#45CP Charge Used for Non-Steel Pipe Welding?			
Thermite Weld Successful?			<b>IF FAILED, MOVE WELD MIN. 150MM AWAY</b>
Slag Removed from Weld?			
Welds Pass Pull Test and Visual Inspection?			
Additional Test Lead Separated >150mm?			
<b>Repeat Above Steps for ALL Additional Welds</b>			# of Additional Welds:
Resistance Measured Between Leads <1.0Ω?			Resistance:
Continuity Between Leads Confirmed?			
<b>Pictures of Welds Taken Before Recoating?</b>			
<b>Test Leads Install Sign Off</b>			
<b>Installer Name / Initials:</b>	<b>CP Inspector Name / Initials:</b> (Backfill Approval)		<b>Date (MM/DD/YY):</b>

<b>COUPLING / HARNESS INSTALLATION</b>			
TASK	✓/✗	N/A	REMARKS
Correct Couplings and/or Harnesses Ordered with Factory Installed Bond Straps Strap Mounts?			
Couplings and/or Harnesses Checked for Defects / Damage?			
Isolation Boot Installed on Isolating Coupling Towards the Concrete-Steel Adapter and Protrudes Min. 25mm Outside End of Coupling?			
Isolating Coupling Tested and Confirmed to Be Isolated?			Equipment Used:                      Measured Ω:
Non-Isolating Coupling Tested and Confirmed to Be Continuous?			Equipment Used:                      Measured Ω:
All Ring Terminal Connections Attached to Rods/Bolts and Nuts Torqued?			
Any Thermite Weld Pipe Connections Completed Successfully Following "Test Lead Installation" Section?			
All Thermite Welded Connections Recoated Successfully Following "Coating Installation" Section?			
<b>Pictures of Couplings and/or Harnesses Taken Before Wrapping?</b>			
Couplings and Harnesses Wrapped with Denso Mastic and Tape According to Manufacturer's MQAP?			
<b>Coupling / Harness Install Sign Off</b>			
<b>Installer Name / Initials:</b>	<b>CP Inspector Name / Initials:</b> (Backfill Approval)		<b>Date (MM/DD/YY):</b>



**COATING INSTALLATION**

**CARRIER PIPE COATING**

TASK	✓/✗	N/A	REMARKS
Type/Brand of Recoat System to be used for Welds			Brand:
Materials Inspected for Defects / Damage?			Batch #:
Pipe Heated Prior to Recoat System Being Applied?			
Primer Applied and Dry to Touch (if applicable)?			
Recoat System Applied According to Manufacturer's Qualified Application Procedure (MQAP)?			
Recoat System Successfully Adhered to Structure Including All Corners and Edges?			
<b>Pictures of Every Recoat Taken Before Backfilling?</b>			

**ENCASEMENT COATING**

TASK	✓/✗	N/A	REMARKS
Type/Brand of Recoat System to be used for Welds			Brand:
Materials Inspected for Defects / Damage?			Batch #:
Pipe Heated Prior to Recoat System Being Applied?			
Primer Applied and Dry to Touch (if applicable)?			
Recoat System Applied According to Manufacturer's Qualified Application Procedure (MQAP)?			
Recoat System Successfully Adhered to Structure Including All Corners and Edges?			
<b>Pictures of Every Recoat Taken Before Backfilling?</b>			

**CONCRETE-STEEL ADAPTER COATING**

TASK	✓/✗	N/A	REMARKS
Type/Brand of Recoat System to be used for Welds			Brand:
Materials Inspected for Defects / Damage?			Batch #:
Pipe Heated Prior to Recoat System Being Applied?			
Primer Applied and Dry to Touch (if applicable)?			
Recoat System Applied According to Manufacturer's Qualified Application Procedure (MQAP)?			
Recoat System Successfully Adhered to Structure Including All Corners and Edges?			
<b>Pictures of Every Recoat Taken Before Backfilling?</b>			

**Coating Install Sign Off**

<b>Installer Name / Initials:</b>	<b>CP Inspector Name / Initials:</b> (Backfill Approval)	<b>Date (MM/DD/YY):</b>

ANODE INSTALLATION			
CARRIER PIPE ANODES			
TASK	✓/✗	N/A	REMARKS
Anodes Inspected for Defects / Damage?			
Anodes Installed According to IFC Drawing Spacing?			Anode to Anode Spacing: Anode to Pipe Spacing: Anode to Nearest Coupon/Electrode:
Anodes Spliced to Header Cable Using Two-Tape Method and Splices Inspected for Integrity?			2- Tape Method: 130C Splicing Tape & Electrical Tape
<b>Pictures of Every Anode Taken Before Backfilling?</b>			
Anodes Covered with Min. 300mm Native Backfill or Moisture Retaining Soil			
Anodes Soaked with Min. 10L Potable Water Prior to Backfilling			
ENCASEMENT ANODES			
TASK	✓/✗	N/A	REMARKS
Anodes Inspected for Defects / Damage?			
Anodes Installed According to IFC Drawing Spacing?			Anode to Anode Spacing: Anode to Pipe Spacing: Anode to Nearest Coupon/Electrode:
Anodes Spliced to Header Cable Using Two-Tape Method and Splices Inspected for Integrity?			2- Tape Method: 130C Splicing Tape & Electrical Tape
<b>Pictures of Every Anode Taken Before Backfilling?</b>			
Anodes Covered with Min. 300mm Native Backfill or Moisture Retaining Soil			
Anodes Soaked with Min. 10L Potable Water Prior to Backfilling			
CONCRETE-STEEL ADAPTER ANODES			
TASK	✓/✗	N/A	REMARKS
Anodes Inspected for Defects / Damage?			
Anodes Installed According to IFC Drawing Spacing?			Anode to Anode Spacing: Anode to Pipe Spacing: Anode to Nearest Coupon/Electrode:
Anodes Spliced to Header Cable Using Two-Tape Method and Splices Inspected for Integrity?			2- Tape Method: 130C Splicing Tape & Electrical Tape
<b>Pictures of Every Anode Taken Before Backfilling?</b>			
Anodes Covered with Min. 300mm Native Backfill or Moisture Retaining Soil			
Anodes Soaked with Min. 10L Potable Water Prior to Backfilling			
Anode Install Sign Off			
<b>Installer Name / Initials:</b>	<b>CP Inspector Name / Initials:</b> (Backfill Approval)	<b>Date (MM/DD/YY):</b>	



**AC & DC COUPONS, PERMANENT REFERENCE ELECTRODE INSTALLATION**

TASK	✓/x	N/A	REMARKS
Coupons and/or Electrodes Inspected for Defects / Damage?			
Coupons Installed According to IFC Drawing Specifications?			Coupon to Pipe Spacing: Coupon to Nearest Anode: Coupon to Nearest Coupon: Coupon to Nearest Electrode:
Electrode Installed According to IFC Drawing Specifications (OR Manufacturers Specifications if Applicable)?			Electrode to Pipe Spacing: Electrode to Nearest Anode: Electrode to Nearest Coupon:
<b>Pictures of Every Coupon and Electrode Taken Before Backfilling?</b>			
Coupons and/or Electrodes Covered with Min. 150mm Native Backfill or Moisture Retaining Soil			
Coupons and/or Electrodes Soaked with Min. 10L Potable Water Prior to Backfilling			

**Coupons and Electrode Install Sign Off**

<b>Installer Name / Initials:</b>	<b>CP Inspector Name / Initials: (Backfill Approval)</b>	<b>Date (MM/DD/YY):</b>

**TEST POST INSTALLATION**

TASK	✓/x	N/A	REMARKS
Test Post and Head Inspected for Defects / Damage?			
A minimum of 2m extra cable for each lead coiled inside post OR at base of test post if unable?			
Test Post Buried 600mm – 800mm Above Final Grade?			
Static Potentials of Each Lead Measured and Recorded in the Tables Below Prior to Termination?			
Test Leads Terminated in Head According to IFC Drawings?			
Test Leads Labelled with Weather Resistant Labels?			
Potentials of Each Lead Measured and Recorded in the Tables Below After Termination?			
GPS Coordinates of the Test Post Recorded?			GPS:
<b>Picture of Test Post Taken Once Install is Completed?</b>			

**Test Post Install Sign Off**

<b>Installer Name / Initials:</b>	<b>CP Inspector Name / Initials: (Backfill Approval)</b>	<b>Date (MM/DD/YY):</b>



<b>TEST STATION DATA</b>					
<b>TO PORTABLE CuCuSO4 REFERENCE ELECTRODE</b>					
Description	Cable Color	Static (mV)	Connected (mV)	Resistance Lead 1 to 2 (Ω)	Current (mA)
Carrier Pipe Lead 1					
Carrier Pipe Lead 2					
Encasement Lead 1					
Encasement Lead 2					
Concrete-Steel Adapter Lead 1					
Concrete-Steel Adapter Lead 2					
Carrier Pipe Anode Lead 1					
Carrier Pipe Anode Lead 2					
Encasement Anode Lead 1					
Encasement Anode Lead 2					
Concrete-Steel Adapter Anode Lead 1					
Concrete-Steel Adapter Anode Lead 2					
AC Coupon (DC Volts)					
AC Coupon (AC Volts)					
DC Coupon					
Permanent Reference Electrode					

Additional Comments:

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<b>QA/QC DOCUMENT SIGN OFF</b>			
*This is to be completed and signed off once all tasks associated with the identified Test Station has been completed. Both CP/Prime Contractor and Engineer Consultant approves and is confident that all CP related items have been installed according to the IFC drawings and CoC Waterworks Construction Standards.			
<b>CP/Prime Contractor:</b>	_____	_____	_____
	<b>NAME</b>	<b>SIGNATURE</b>	<b>DATE (MM/DD/YY)</b>
<b>Engineer Consultant:</b>	_____	_____	_____
	<b>NAME</b>	<b>SIGNATURE</b>	<b>DATE (MM/DD/YY)</b>
<b>City Inspector:</b>	_____	_____	_____
	<b>NAME</b>	<b>SIGNATURE</b>	<b>DATE (MM/DD/YY)</b>