



**Public Works and Government Services  
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Professional and Technical Services**



**Heritage Canals and Engineering Works**

**Travaux publics et Services gouvernementaux  
Canada**

**Région de l'Ontario  
Services professionnels et techniques**

**Canaux historiques et travaux d'ingénierie**



**Parks Canada**



# RIDEAU CANAL BLACK RAPIDS LOCK 13 UPGRADES 2015

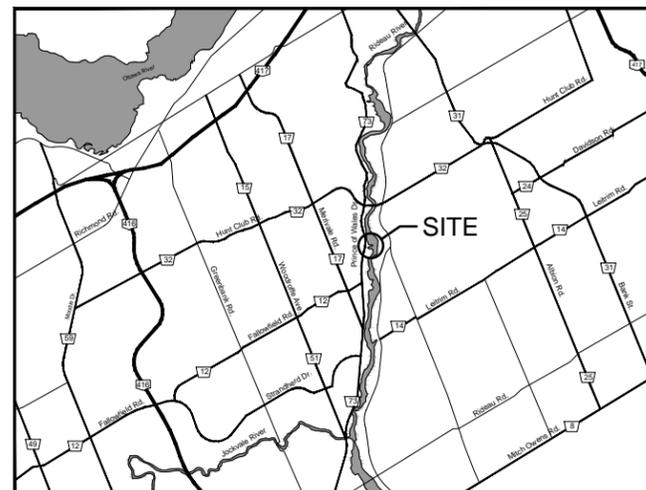
## LIST OF DRAWINGS

### CIVIL

100	COVER SHEET
101	EXISTING SITE PLAN
102	EXISTING CONDITIONS
103	NEW CONSTRUCTION
104	MASONRY REPAIRS I
105	MASONRY REPAIRS II
106	MASONRY REPAIRS III
106a	MASONRY REPAIRS IV
107	LOWER GATE TOP ANCHORAGE & CYLINDER PIT DETAILS I
108	LOWER GATE TOP ANCHORAGE & CYLINDER PIT DETAILS II
109	LOWER GATE TOP ANCHORAGE & CYLINDER PIT DETAILS III
110	LOWER GATE TOP ANCHORAGE & CYLINDER PIT DETAILS IV
111	LOWER GATE SILL & PINTLE I
112	LOWER GATE SILL & PINTLE II
113	LOWER GATE DETAILS I
114	LOWER GATE DETAILS II
115	LOWER GATE DETAILS III
116	LOWER GATE DETAILS IV
117	LOWER GATE DETAILS V
118	LOWER GATE DETAILS VI
119	UPPER GATE DETAILS I
120	UPPER GATE DETAILS II

### MECHANICAL

M001	MECHANICAL - DEMOLITION & CLEAN UP
M002	MECHANICAL - HYDRAULIC & MECHANICAL INSTALLATION
M003	MECHANICAL - ELECTRICAL, I&C INSTALLATION
M004	MECHANICAL - HYDRAULIC SYSTEM BRACKET DETAILS
M005	MECHANICAL - GREASE FITTINGS DETAILS / MOUNTING DETAILS
M006	MECHANICAL - LOWER SLUICE VALVE CYLINDER MOUNT
M007	MECHANICAL - LOWER GATE CYLINDER SENSOR SLIDE
M101	MECHANICAL - HYDRAULIC SYSTEM SCHEMATIC



### ELECTRICAL

E001	ELECTRICAL - POWER CIRCUIT
E002	ELECTRICAL - SAFETY CIRCUIT
E003	ELECTRICAL - PEDESTAL CONTROL PANEL ASSEMBLY DETAILS
E004	ELECTRICAL - PEDESTAL CONTROL PANEL FABRICATION DETAILS
E101	ELECTRICAL - PLC INPUT CARD
E102	ELECTRICAL - PLC INPUT CARD
E103	ELECTRICAL - PLC INPUT CARD
E104	ELECTRICAL - PLC OUTPUT CARD
E105	ELECTRICAL - PLC OUTPUT CARD
E106	ELECTRICAL - PLC CONTROL NARRATIVE

### REFERENCE

10-660-106	DOWNSTREAM CONCRETE DETAILS
10-660-201	UPPER GATE & DETAILS
10-660-202	LOWER GATE & DETAILS
10-660-203	MISCELLANEOUS DETAILS
10-660-205	TOP ANCHORAGE AND EMBEDDED PARTS

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