

SCOPE OF WORK AND GENERAL NOTES

SCOPE OF WORK
GENERAL

1. THE WORK INCLUDES REPLACEMENT OF EXISTING RECESS COVER SLAB AT GATES 1 & GATE 2 AT CANSO CANAL AND ALL ASSOCIATED AND INCIDENTAL WORK.
2. DESCRIPTION OF ANY WORK GIVEN ON THE DRAWINGS APPLIES TO BOTH GATE LOCATIONS UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.
3. THE WORK SHALL BE CARRIED OUT DURING WINTER AND CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION PRODUCTS SUCH AS EPOXY GROUT, JOINT SEALERS SHALL BE RATED FOR LOW TEMPERATURE MARINE APPLICATION.
4. REMOVAL AND REINSTALLATION OF ALL EQUIPMENT AND SERVICES SHALL BE CARRIED OUT IN CLOSE COORDINATION WITH CANSO CANAL PERSONNEL.

SURVEY

1. ESTABLISH A MINIMUM OF THREE REFERENCE POINTS OUTSIDE THE WORK LIMIT FOR ESTABLISHING EXACT LOCATIONS OF GEARBOX ANCHOR BOLTS, VERTICAL AXIS OF PINION, AND PIPE SLEEVES FOR ELECTRICAL AND CONTROL CABLES.
2. CARRY OUT PRECISION SURVEY TO RECORD EXACT LOCATIONS OF GEARBOX ANCHOR BOLTS, VERTICAL AXIS OF PINION AND PIPE SLEEVES FOR ELECTRICAL AND CONTROL CABLES. PROVIDE COPY OF RECORD TO DEPARTMENTAL REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK. (PRECISION ±1mm)
3. CARRYOUT SURVEY OF EXISTING PRECAST CONCRETE RECESS COVER SLAB UNITS AND ESTABLISH THE LOWEST POINT FOR LOCATING NEW FLOOR DRAIN.

EQUIPMENT REMOVAL AND REINSTATEMENT

1. DISCONNECT AND REMOVE ELECTRICAL AND OTHER SERVICES AND REINSTALL AFTER COMPLETION IN CLOSE COORDINATION WITH CANSO CANAL PERSONNEL.
2. REMOVE GEARBOX UNIT, SUPPORTING FRAME AND ALL OTHER MECHANICAL COMPONENTS ATTACHED TO RECESS COVER SLABS AND REINSTALL ON COMPLETION.
3. SUPPLY AND INSTALL NEW ANCHOR BOLTS FOR GEARBOX UNIT.
4. SANDBLAST AND PAINT GEARBOX UNIT AND SUPPORTING FRAME AND STORE WITHIN CANSO CANAL PREMISES AS DIRECTED.
5. PROVIDE AND MAINTAIN SUITABLE WOODEN PROTECTIVE COVER OVER RACK UNIT ATTACHED TO RECESS FLOOR AND STRUT CASTOR TRACK AND REMOVE AFTER CONSTRUCTION.
6. DEMONSTRATE SATISFACTORY FUNCTIONING OF GATE OPERATING EQUIPMENT TO CANSO CANAL PERSONNEL AFTER REINSTALLATION OF EQUIPMENT.
7. ALL REQUIRED EQUIPMENT REMOVAL AND REINSTALLATION SHALL BE PERFORMED BY A QUALIFIED, EXPERIENCED MACHINIST.

DEMOLITION, REMOVAL AND REPAIRS

1. PRIOR TO COMMENCEMENT OF ANY DEMOLITION ACTIVITY, PROVIDE TEMPORARY SUPPORTS UNDER EXISTING PRECAST CONCRETE SLAB UNITS AND MAINTAIN UNTIL COMPLETION OF WORK.
2. DEMOLISH AND REMOVE EXISTING REINFORCED CONCRETE COVER SLAB OVER STRUT ARM RECESS.
3. DEMOLISH AND REMOVE 150mm THICK LAYER OF CONCRETE FROM EXISTING CONCRETE WALL.
4. DEMOLISH AND REMOVE EXISTING REINFORCED CONCRETE CURBS AROUND PRECAST CONCRETE SLAB PANELS UP TO SLAB SOFFIT.
5. REPAIR CRACKS IN EXISTING RECESS FLOOR: CUT OUT 100x100mm GROOVE AND FILL IN USING APPROVED NON-SHRINK GROUT.
6. SEAL JOINT BETWEEN EXISTING PRECAST CONCRETE SLAB SOFFIT AND EXISTING CONCRETE WALL WITH NON-SHRINK GROUT.
7. REMOVE EXISTING GALVANIZED STEEL RAILING IN THE WORK AREA, CLEAN, REPAINT AND REINSTALL AFTER COMPLETION OF WORK.

NEW CONSTRUCTION (SUPPLY AND INSTALL)

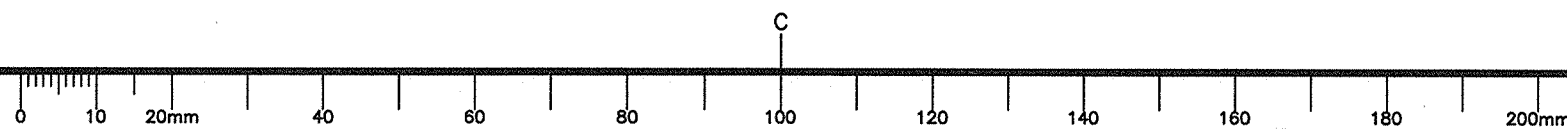
1. DRILL AND INSTALL GALVANIZED STEEL DOWEL BARS USING APPROVED EPOXY GROUT AS SHOWN ON DRAWINGS.
2. PROVIDE 915mm I.D. PIPE SLEEVE WITH ANCHOR BARS AS SHOWN ON DRAWINGS.
3. PROVIDE NEW REINFORCED CONCRETE WALLS AS SHOWN ON DRAWINGS.
4. EXTEND SERIES SLEEVES IN EXISTING WALLS THROUGH NEW REINFORCED CONCRETE WALL IN COORDINATION WITH CANSO CANAL PERSONNEL.
5. PROVIDE W310 X 39 STEEL FRAME OVER NEW REINFORCED CONCRETE WALL.
6. PROVIDE NEW REINFORCED CONCRETE RECESS COVER SLAB AND NEW REINFORCED CONCRETE CURBS AS SHOWN ON DRAWINGS.
7. PROVIDE NEW GALVANIZED STEEL HINGED MANHOLE COVER OVER NEW MANHOLE.
8. PROVIDE EXPANSION JOINT BETWEEN NEW RECESS COVER SLAB AND EXISTING PRECAST CONCRETE RECESS COVER SLAB UNITS.
9. PROVIDE EXPANSION JOINT BETWEEN NEW CONCRETE CURB AND EXISTING PRECAST CONCRETE SLAB UNITS.

GENERAL NOTES

1. CONCRETE FOR ALL COMPONENTS SHALL BE HIGH PERFORMANCE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH $f'_c = 45$ MPa AT 28 DAYS.
2. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO MAINTAIN THE MINIMUM CONCRETE TEMPERATURE OF +10°C FOR A MINIMUM OF 7 DAYS FROM THE DATE OF CASTING.
3. REINFORCING STEEL SHALL CONFORM TO CSA G30-18M GRADE 400W.
4. REINFORCING STEEL SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
5. STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21 GRADE 350.
6. STRUCTURAL STEEL SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
7. BOLTS SHALL BE A325 TYPE A GALVANIZED FOR BOLTS CONNECTING STRUCTURAL STEEL.
8. ALL REINFORCING STEEL SHALL BE GALVANIZED.

RAISED CONCRETE CURB REPLACEMENT

GATE	APPROXIMATE CURB LENGTH (m)
1	28
2	21



0	ISSUED FOR TENDER	11/05/2015
revisions		date

project

**BUILDING ENVELOPE
IMPROVEMENT PROJECT
CANSO CANAL
PORT HASTINGS
INVERNESS COUNTY, N.S.**

drawing
**SITE LAYOUT PLAN,
SCOPE OF WORK, AND
GENERAL NOTES
(SLAB REPLACEMENT
AND STRUT ARM)**

designed V.L.	conqu
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