1. REMOVE DAMAGED CONCRETE AND CLEAN STEEL AS PER STANDARD ICRI REPAIR METHODS.

2. ENSURE EXPOSED REINFORCING STEEL IS SECURELY FASTENED WITH TE WIRE TO PROVIDE GOOD ELECTRICAL CONTINUITY.

3. ATTACH GALVASHIELD XP COMPACT ANODES TO CLEAN STEEL AT AN EVEN SPACING WITHIN THE REPAIR AREA. PLACE THE ANODE AS CLOSE AS POSSIBLE TO THE INTERFACE BETWEEN THE REPAIR AND THE PARENT CONCRETE (WITHIN 4 INCHES (100MM)) WHILE STILL ALLOWING THE REPAIR MATERIAL TO ENCASE THE ANODE.

4. GALVASHIELD XP COMPACT ANODES ARE TO BE INSTALLED PER THE DESIGN DRAWINGS AND SPECIFICATIONS ALONG THE PERIMETER OF THE REPAIR AREA. AFTER ALL CHLORIDE CONTAMINATED CONCRETE HAS BEEN REMOVED. ADDITIONALLY, IF ANY CHLORIDE CONTAMINATED CONCRETE REMAINS INSIDE OR BELOW THE REPAIR AREA AND IS IN CONTACT WITH ANY LAYER OF REINFORCING STEEL THEN IT MAY BE NECESSARY TO PLACE GALVASHIELD XP COMPACT ANODES IN A GRID PATTERN WITHIN THE INTERIOR OF THE REPAIR AREA.

5. TEST ELECTRICAL CONTINUITY OF THE REINFORCING STEEL BEFORE INSTALLATION AND REPAIR AS NECESSARY. TEST ELECTRICAL CONTINUITY OF ANODE CONNECTION TO REINFORCING STEEL AFTER INSTALLATION. A DC VOLTAGE MEASUREMENT OF 5mV CONFIRMS GOOD CONTINUITY.

6. POUR BACK REPAIR AREA WITH COMPATIBLE REPAIR MATERIAL AS PER PROJECT SPECIFICATIONS.

SECTION VIEW
GALVANIC ANODE INSTALLATION DETAIL

SCALE N.T.S.

1. GALVASHIELD XP COMPACT ANODE

2. CONCRETE REPAIR MATERIAL

3. TOP OF CONCRETE SURFACE

4. EXISTING CONCRETE SUBSTRATE

5. IF REQUIRED, LOW-RESISTIVITY MORTAR POCKET (GALVASHIELD XP EMBEDDED MORTAR OR EQUAL) TO EXTEND FROM ANODE A MIN. RADIUS OF 2" (50 MM)

6. REQUIRED WHERE CONCRETE REPAIR MATERIAL HAS A HIGHER SATURATED BULK RESISTIVITY THAN 50,000 OHM-CM.
INSTALLATION STEP #1

1. Scale N.T.S.

INSTALLATION STEP #2

2. Scale N.T.S.

INSTALLATION STEP #3

3. Scale N.T.S.

INSTALLATION STEP #4

4. Scale N.T.S.

Anode Orientation Note: Anodes may be installed as shown with the wider side on the bottom, or may be rotated 180-degrees to have the wider side at the top.
1. ALTERNATE INSTALLATION AT REBAR INTERSECTION

SCALE N.T.S.

GALVASHIELD® XP COMPACT ANODE (64MM X 31MM X 25MM)

CLEAN REINFORCING STEEL (REBAR)

FEED WIRES OVER & UNDER BARS AS SHOWN. TWIST WIRES TIGHT AND TEST CONTINUITY PER STEPS 1.1.

UNDER REBAR

OVER REBAR

2. SECTION AT ANODE

SCALE N.T.S.

CLEAN REINFORCING STEEL (REBAR)

WIRE HOOK TOOL

GALVASHIELD® XP COMPACT ANODE (64MM X 31MM X 25MM)

ANODE WIRE WRAPPED OVER REBAR

ANODE WIRE WRAPPED UNDER REBAR

ANODE WIRE WRAPPED OVER REBAR

ANODE WIRE WRAPPED UNDER REBAR

ANODE WIRE WRAPPED OVER REBAR

ANODE WIRE WRAPPED UNDER REBAR (AT OPP. END OF ANODE)

ANODE WIRES TWISTED TOGETHER TO REBAR W/ WIRE HOOK TOOL AND THEN SECURED TO REBAR PER SHEET CP 1.1.

ANODE ORIENTATION NOTE: ANODES MAY BE INSTALLED AS SHOWN WITH THE WIDER SIDE ON TOP, OR MAY BE ROTATED 180-DEGREES TO HAVE THE WIDER SIDE AT THE BOTTOM.