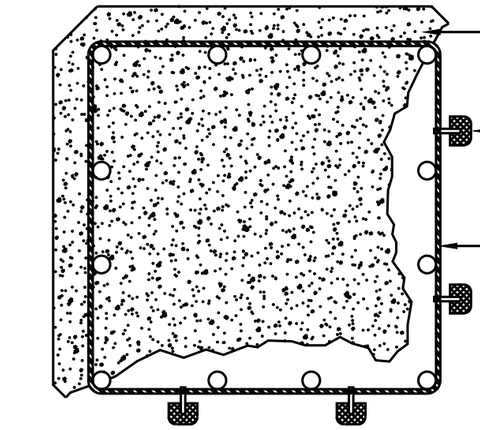

SECTION OF EXCAVATION AND ANODES

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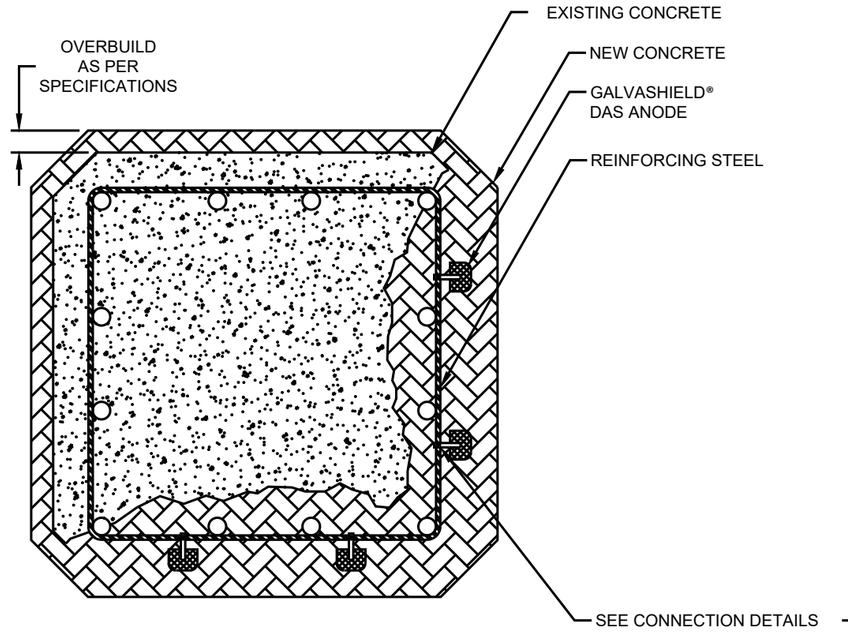

SECTION OF EXCAVATION AND OVERBUILD

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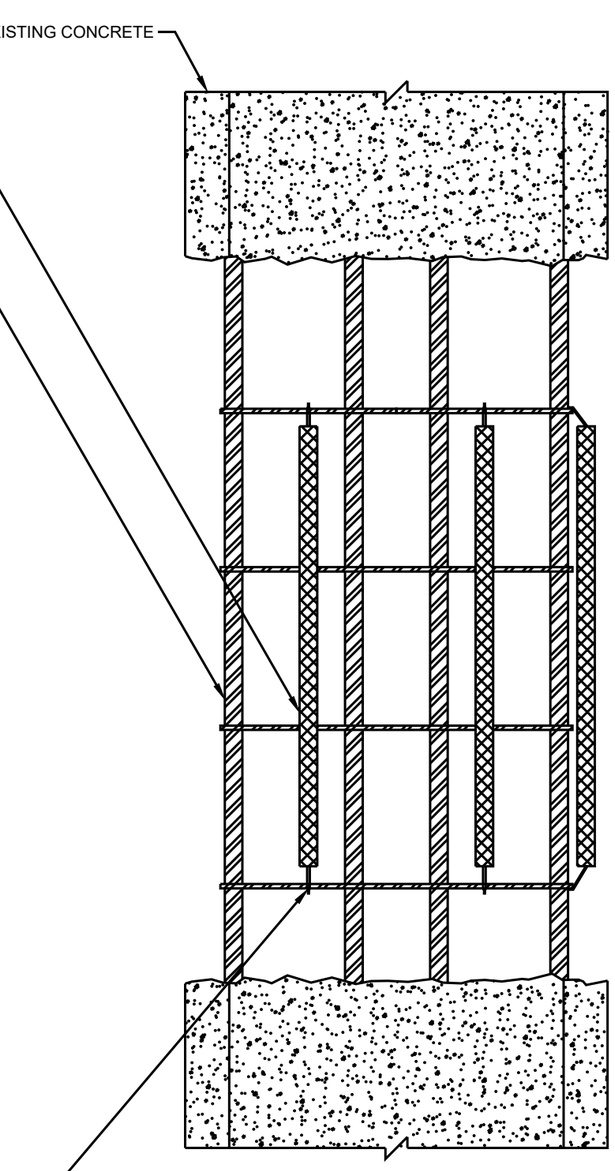

ELEVATION OF ANODE INSTALLATION

N.T.S.

1. REMOVE DAMAGED CONCRETE AND PREPARE THE SURFACE OF THE CONCRETE AND REINFORCING STEEL USING STANDARD INDUSTRY PROCEDURES AS PER THE SPECIFICATION AND ICRI REPAIR METHODS.

2. ENSURE REINFORCING STEEL IS SECURELY FASTENED TO THE EXISTING REINFORCING STEEL USING UNCOATED STEEL TIE WIRE TO PROVIDE GOOD ELECTRICAL CONTINUITY.

3. VERIFY ELECTRICAL CONTINUITY OF EXISTING REINFORCING STEEL AND NEWLY INSTALLED REINFORCING BY TESTING WITH A MULTIMETER. A READING OF LESS THAN 1MV IS REQUIRED.

4. ATTACH THE GALVASHIELD® DAS ANODES TO CLEAN STEEL AT AN EVEN SPACING WITHIN THE REPAIR AREA OR AS OUTLINED IN THE SPECIFICATION.

5. ATTACH GALVASHIELD® DAS DISTRIBUTED ANODES TO THE REINFORCING STEEL USING THE INTEGRAL STEEL TIE WIRES. WRAP THE ANODE TIE WIRES NUMEROUS TIMES AROUND THE STEEL IN OPPOSITE DIRECTIONS AND TWIST THE FREE ENDS TOGETHER WITH PLIERS. HOLD THE ANODES SECURELY IN PLACE WITH PLASTIC CABLE TIES IF NEEDED.

6. TEST AND VERIFY ELECTRICAL CONTINUITY OF ANODE AND REINFORCING STEEL BEFORE INSTALLATION BY TESTING WITH A MULTIMETER, AND REPAIR AS NECESSARY. TEST ELECTRICAL CONTINUITY OF ANODE CONNECTION TO REINFORCING STEEL AFTER INSTALLATION. A DC VOLTAGE MEASUREMENT OF $\leq$ 1MV IS REQUIRED AND CONFIRMS GOOD CONTINUITY.

7. POUR CONCRETE FOR FILL REPAIR (OR OVERBUILD/OVERLAY DEPENDING ON THE APPLICATION) AS PER THE SPECIFICATIONS ENSURING THAT THE ANODES ARE FULLY EMBEDDED AND HAVE AT LEAST 1 INCH CONCRETE COVER TO THE EXTERIOR SURFACE.

DRAWING REVISIONS

#	DATE	BY	DESCRIPTION
1	3/23	LW	DAS UPDATE
2	4/23	LW	DAS-X UPDATE

VECTOR CORROSION TECHNOLOGIES

GALVASHIELD® DAS ANODE REPAIR LAYOUT AND CONNECTION DETAIL

ELEVATION AND SECTION OF COLUMN REPAIR AND OVERBUILD

474B DOVERCOURT DRIVE
WINNIPEG, MB R3Y 1G4
(204) 489-9611
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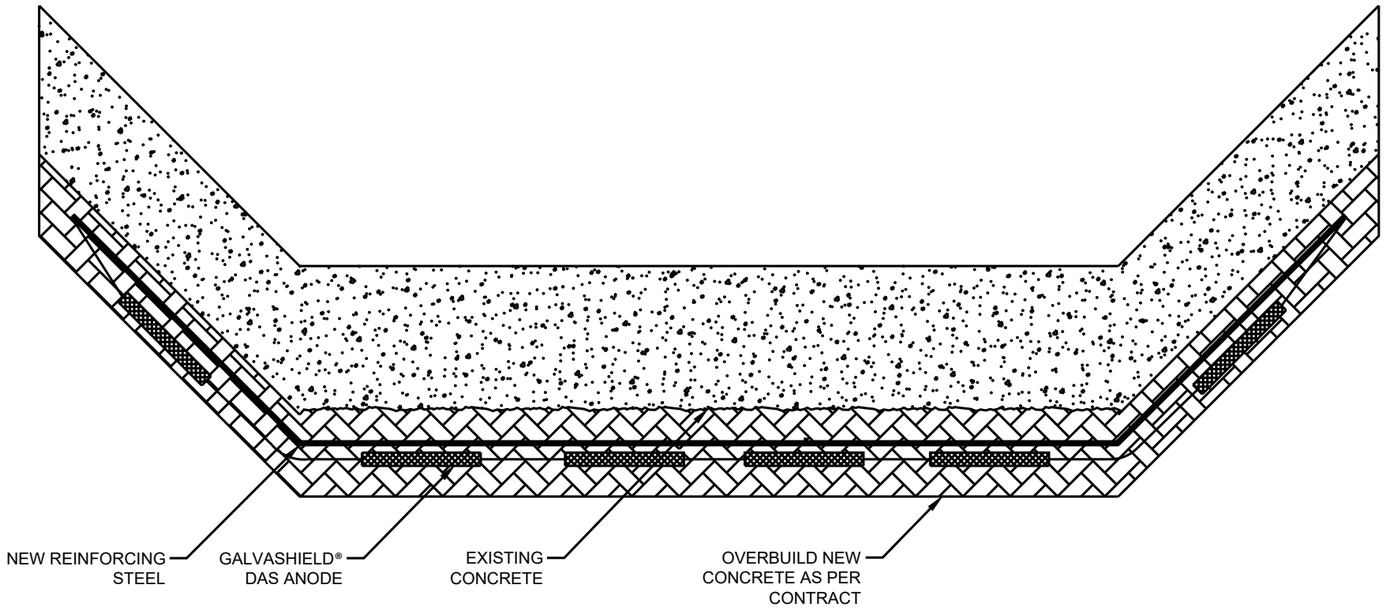
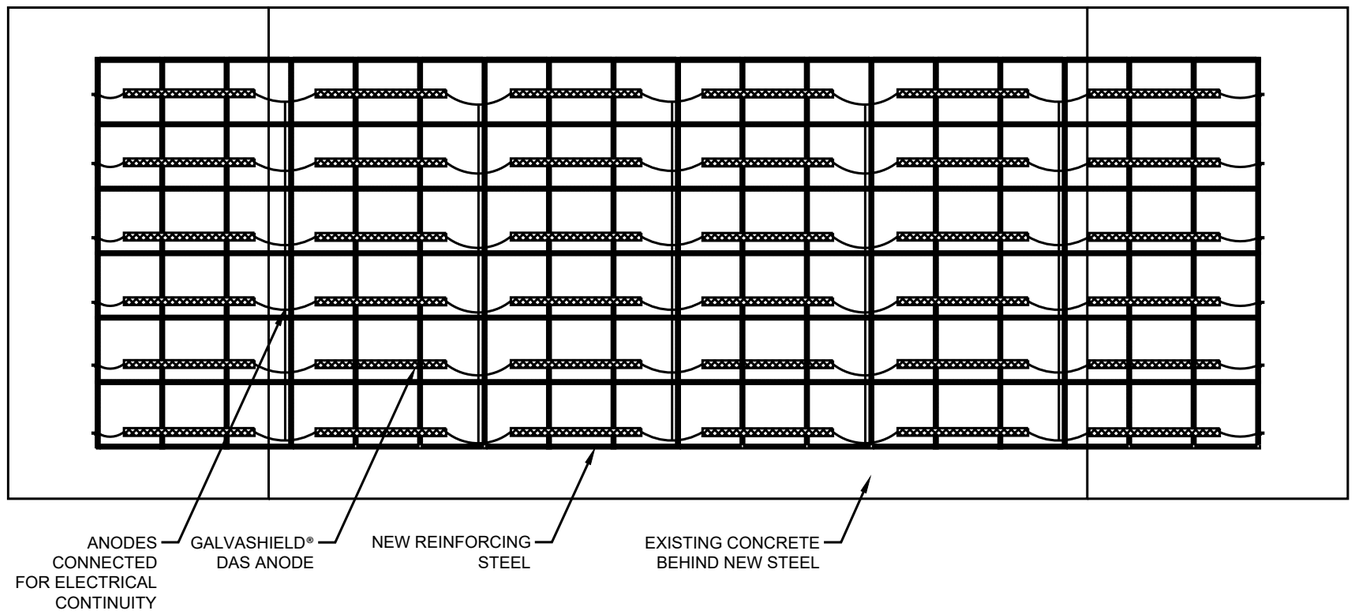
1 OF 7



PLAN OF VERTICAL ANODE INSTALLATION LAYOUT

N.T.S.



ELEVATION OF VERTICAL ANODE INSTALLATION LAYOUT

N.T.S.

1. REMOVE DAMAGED CONCRETE AND PREPARE THE SURFACE OF THE CONCRETE AND REINFORCING STEEL USING STANDARD INDUSTRY PROCEDURES AS PER THE SPECIFICATION AND ICRI REPAIR METHODS.

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DRAWING REVISIONS

#	DATE	BY	DESCRIPTION
1	3/23	LW	DAS UPDATE
2	4/23	LW	DAS-X UPDATE

VECTOR CORROSION TECHNOLOGIES

GALVASHIELD® DAS ANODE REPAIR LAYOUT AND CONNECTION DETAIL

PLAN AND ELEVATION OF ABUTMENT REPAIR & HORIZONTAL ANODE LAYOUT

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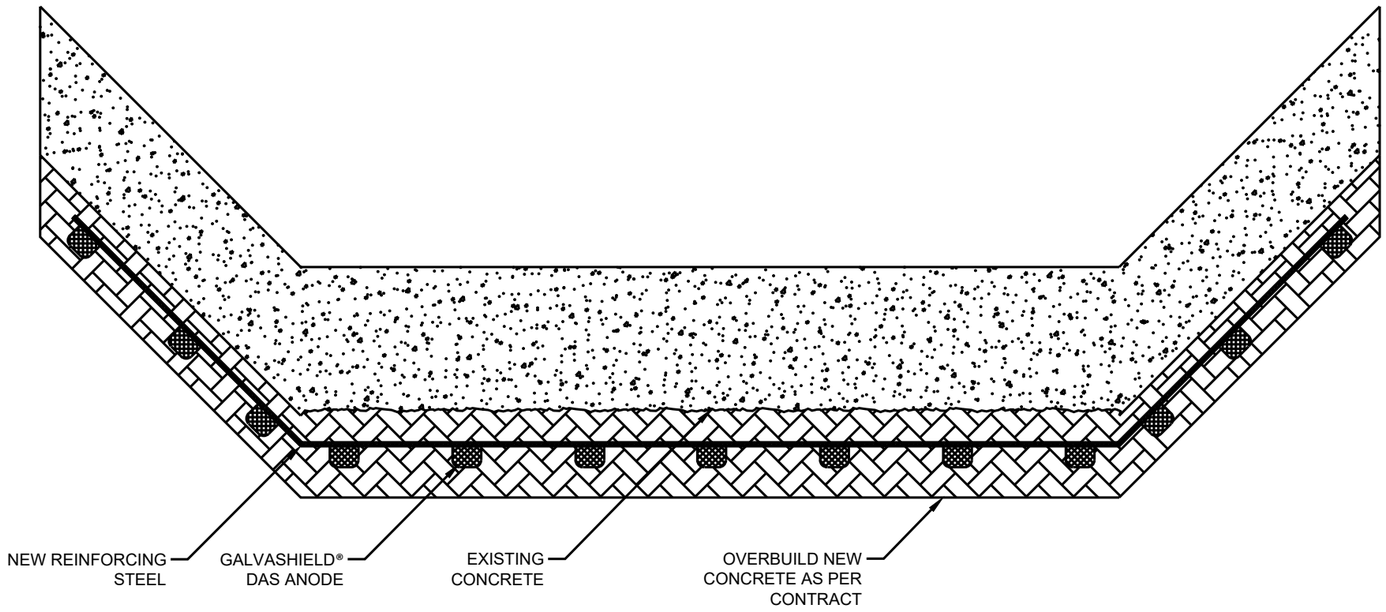
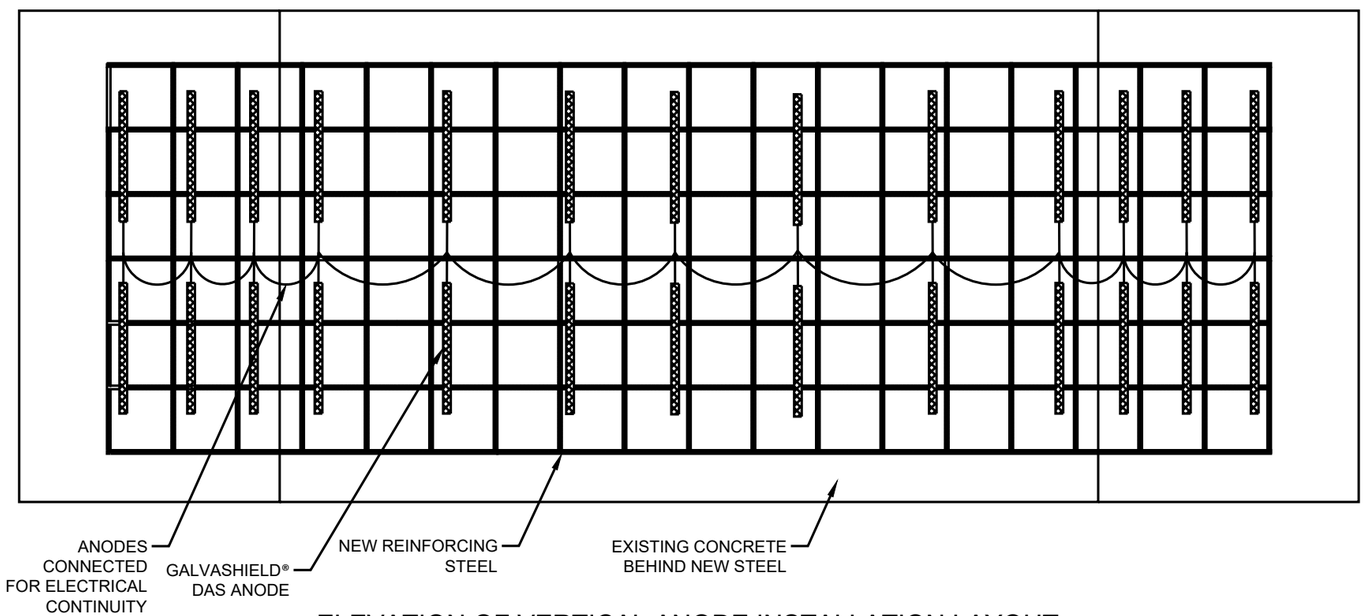


PLAN OF VERTICAL ANODE INSTALLATION LAYOUT

N.T.S.



ELEVATION OF VERTICAL ANODE INSTALLATION LAYOUT

N.T.S.

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1	3/23	LW	DAS UPDATE
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VECTOR CORROSION TECHNOLOGIES

GALVASHIELD® DAS ANODE REPAIR LAYOUT AND CONNECTION DETAIL

PLAN AND ELEVATION OF ABUTMENT REPAIR & VERTICAL ANODE LAYOUT

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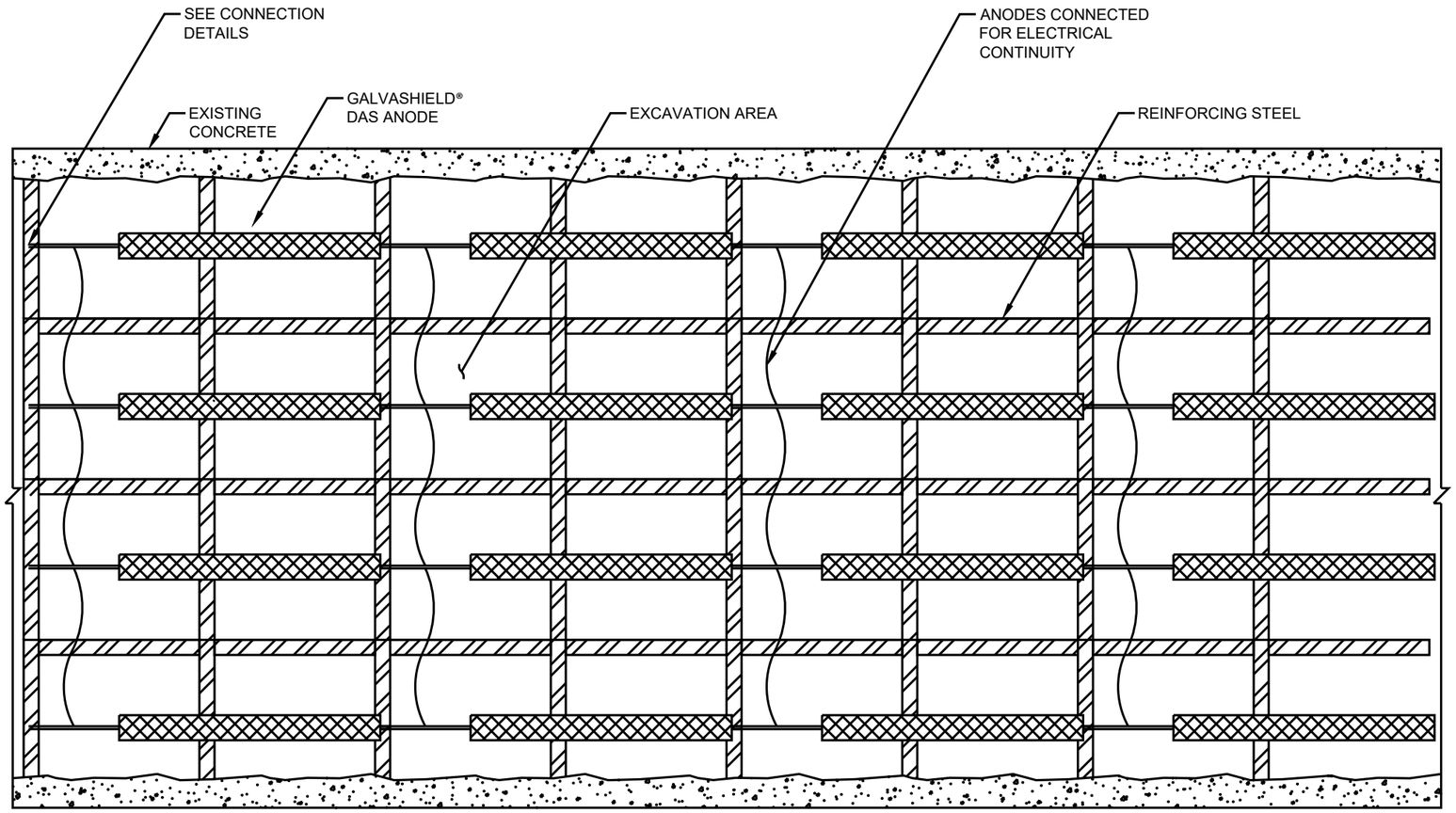
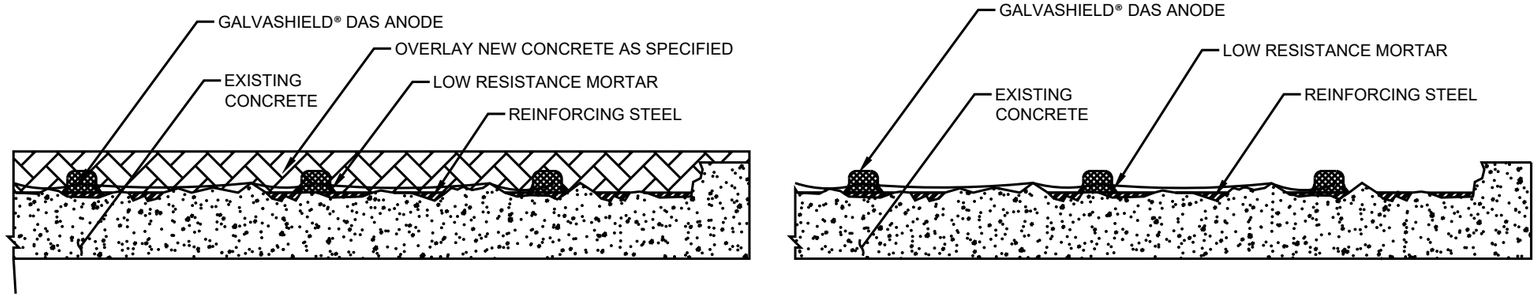


PLAN OF SLAB OVERLAY REPAIR

N.T.S.



SECTION OF SLAB OVERLAY REPAIR

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#	DATE	BY	DESCRIPTION
1	3/23	LW	DAS UPDATE
2	4/23	LW	DAS-X UPDATE

VECTOR CORROSION TECHNOLOGIES

GALVASHIELD® DAS ANODE REPAIR LAYOUT AND CONNECTION DETAIL

PLAN AND SECTION OF SLAB OVERLAY REPAIR

474B DOVERCOURT DRIVE
WINNIPEG, MB R3Y 1G4
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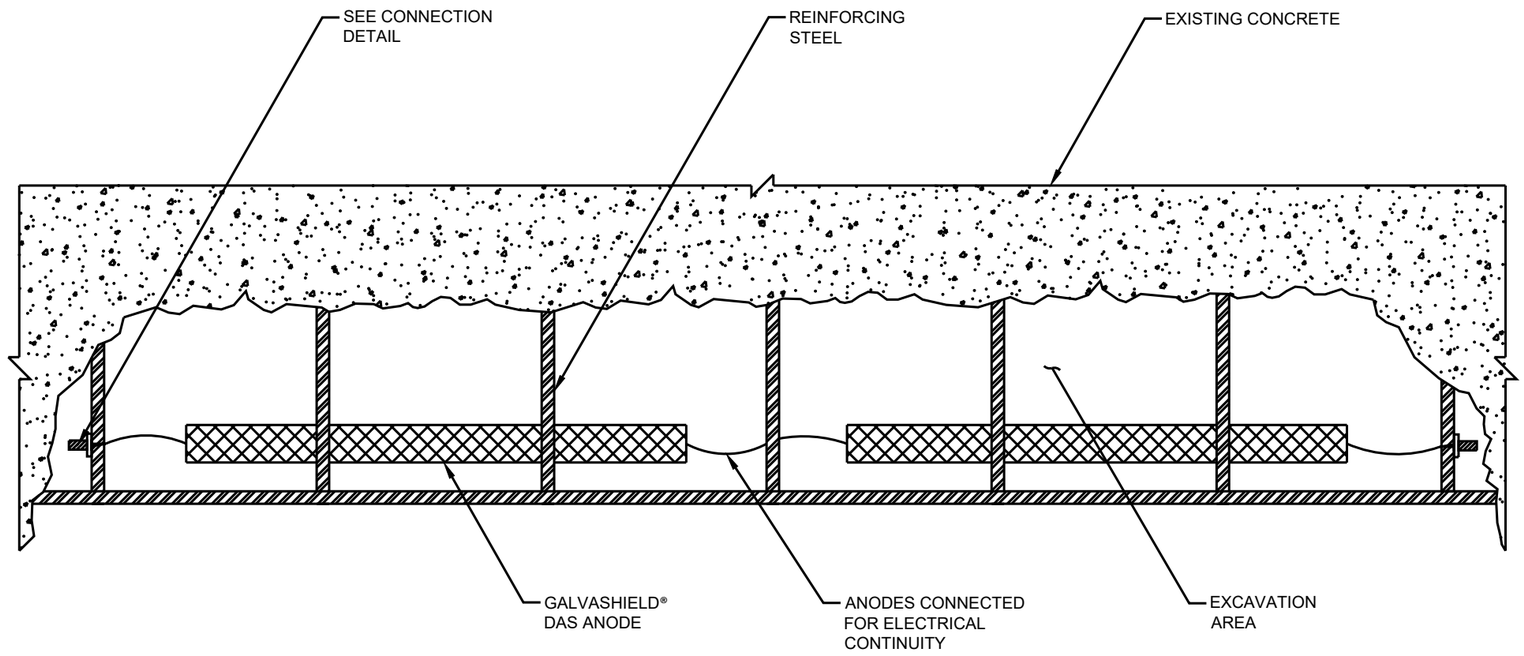
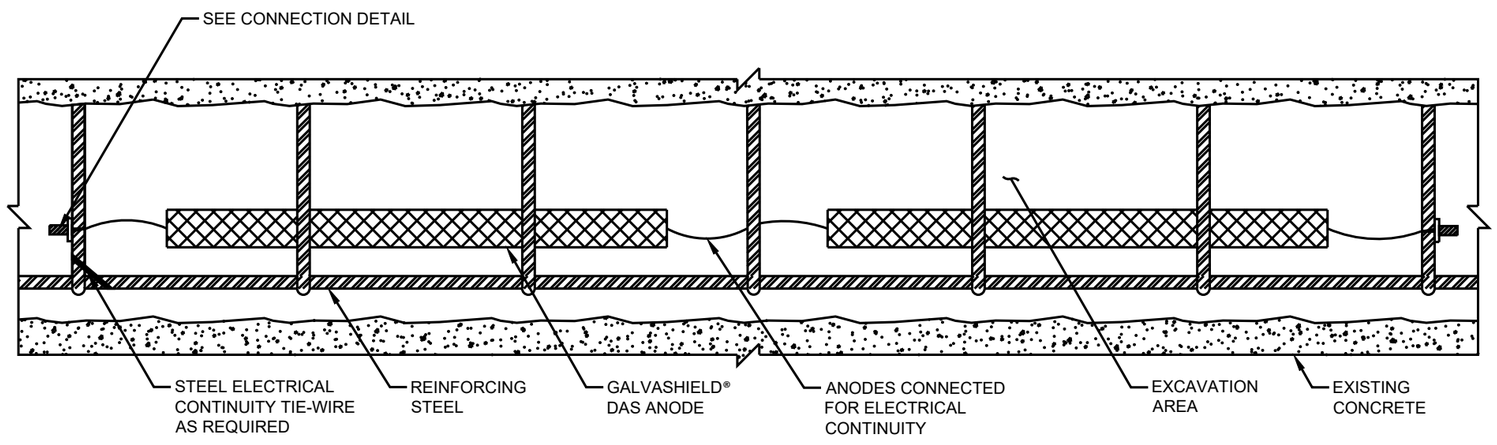


PLAN OF SLAB EDGE REPAIR

N.T.S.



ELEVATION OF SLAB EDGE REPAIR

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#	DATE	BY	DESCRIPTION
1	3/23	LW	DAS UPDATE
2	4/23	LW	DAS-X UPDATE

VECTOR CORROSION TECHNOLOGIES

GALVASHIELD® DAS ANODE REPAIR LAYOUT AND CONNECTION DETAIL

PLAN AND ELEVATION OF SLAB EDGE REPAIR

474B DOVERCOURT DRIVE
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PROJECT NO.

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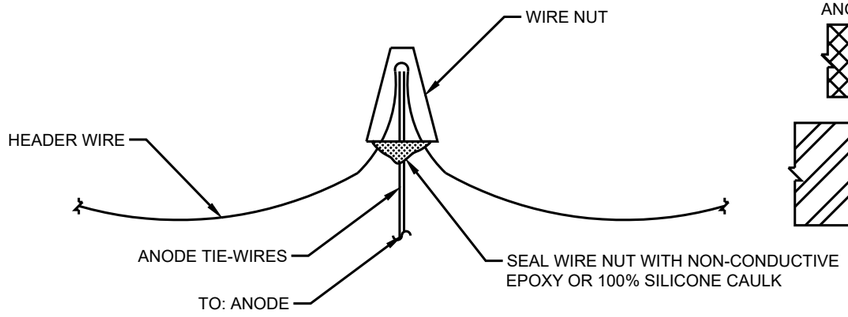

WIRE NUT SERIES CONNECTION JUNCTION
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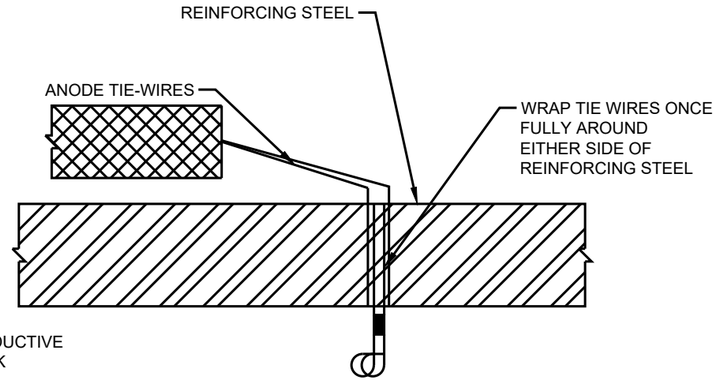

SINGLE INSTALLATION CONNECTION DETAIL
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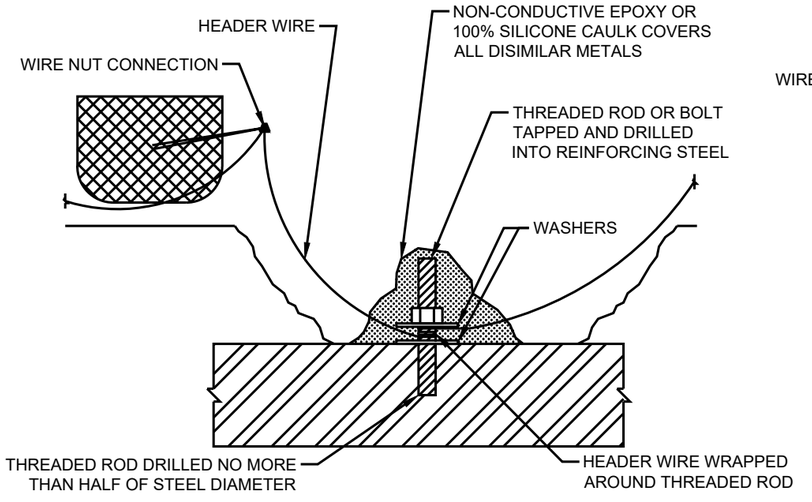
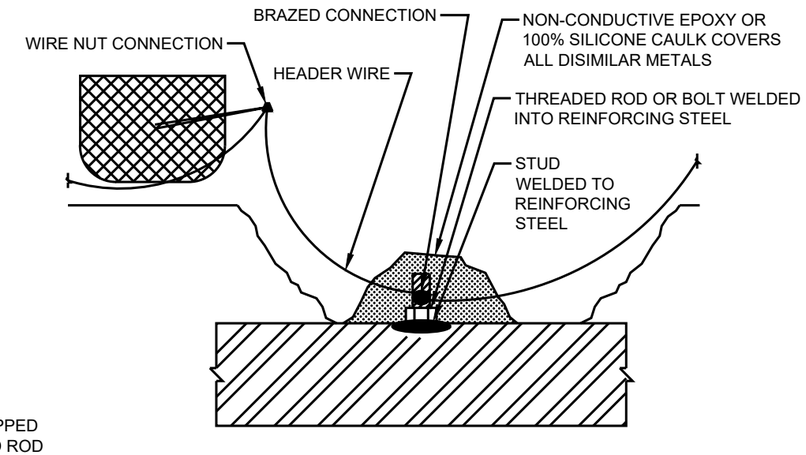


NUT AND WASHER CINCH INSTALLATION
N.T.S.



BRAZED CONNECTION INSTALLATION
N.T.S.

1. COMPLETE EXCAVATION OF CONCRETE REPAIR AREA.

2. LAYOUT GALVASHIELD® DAS AS PER MANUFACTURERS RECOMMENDATIONS. IF BI-DIRECTIONAL REINFORCING STEEL IS PRESENT, RUN PARALLEL TO UPPER LAYER OF REINFORCING STEEL.

3. ATTACH 3/16" DIA THREADED ROD TO REINFORCING STEEL BY EITHER WELD OR DRILL AND TAP.

4. CONNECT HEADER WIRE TO STUD AND SECURE WITH NUT AND WASHERS EITHER SIDE OF WIRE.

4. ***OR*** BRAZE WIRE TO THREADED ROD

5. ENSURE ALL CONNECTIONS OF DISMILAR METALS ARE COATED WITH SILICONE OR NON-CONDUCTIVE EPOXY TO PREVENT CORROSION.

6. SECURE ANODE AS REQUIRED AND COMPLETE POURBACK OF REPAIR.

DRAWING REVISIONS

#	DATE	BY	DESCRIPTION
1	3/23	LW	DAS UPDATE
2	4/23	LW	DAS-X UPDATE

VECTOR CORROSION TECHNOLOGIES

GALVASHIELD® DAS ANODE REPAIR LAYOUT AND CONNECTION DETAIL

TYPICAL CONNECTION DETAILS

474B DOVERCOURT DRIVE
WINNIPEG, MB R3Y 1G4
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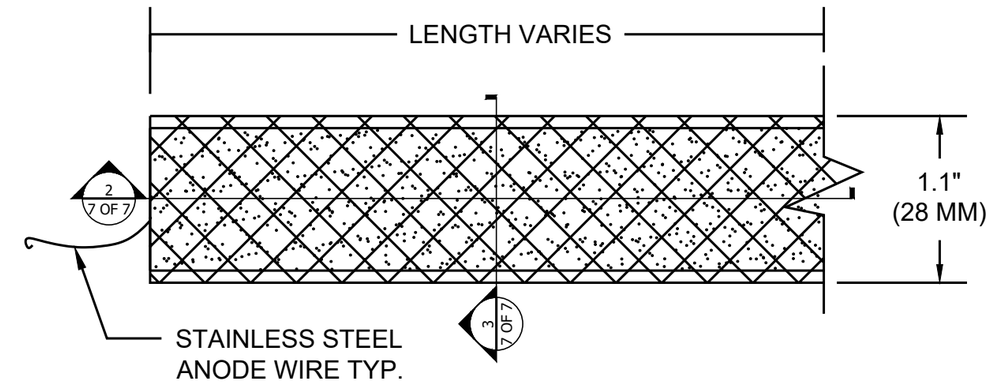
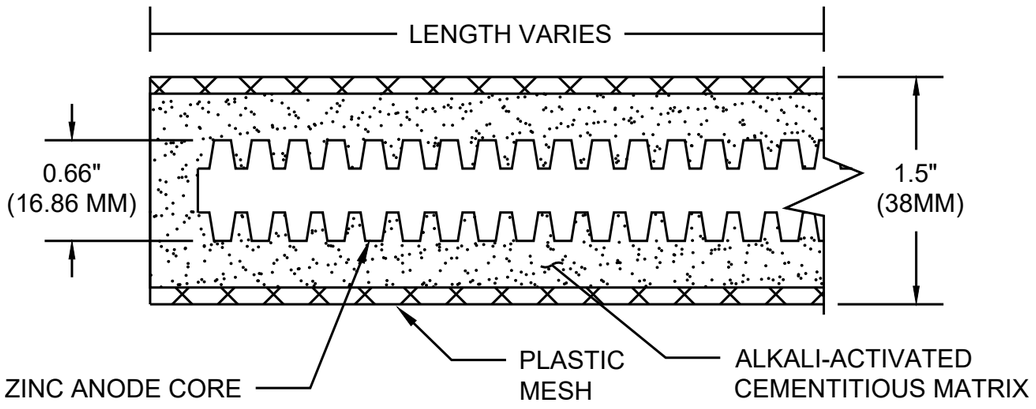
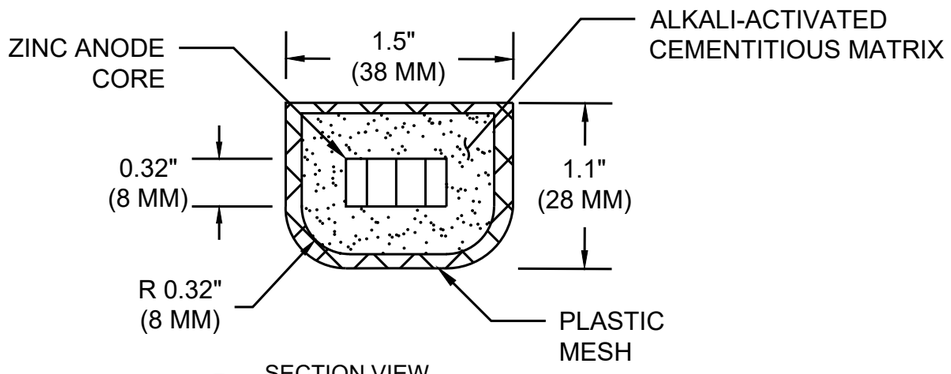


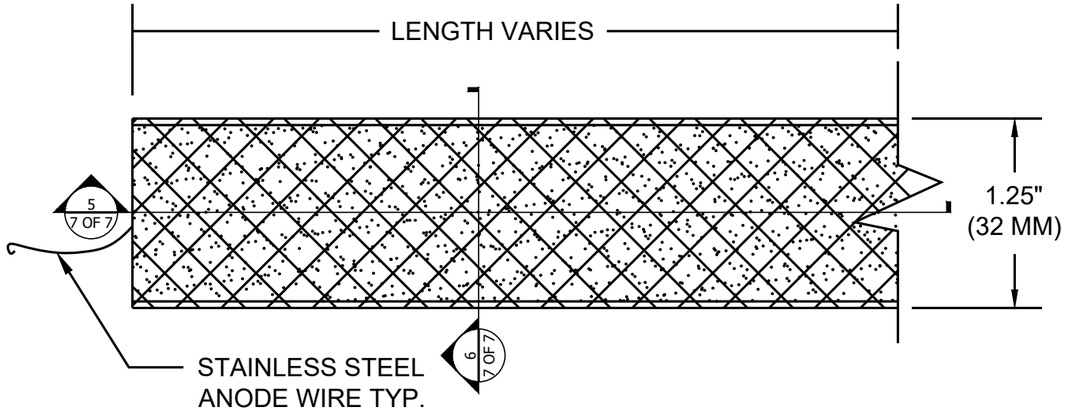
1 TYPICAL GALVASHIELD® DAS ANODE
SCALE: 1:1



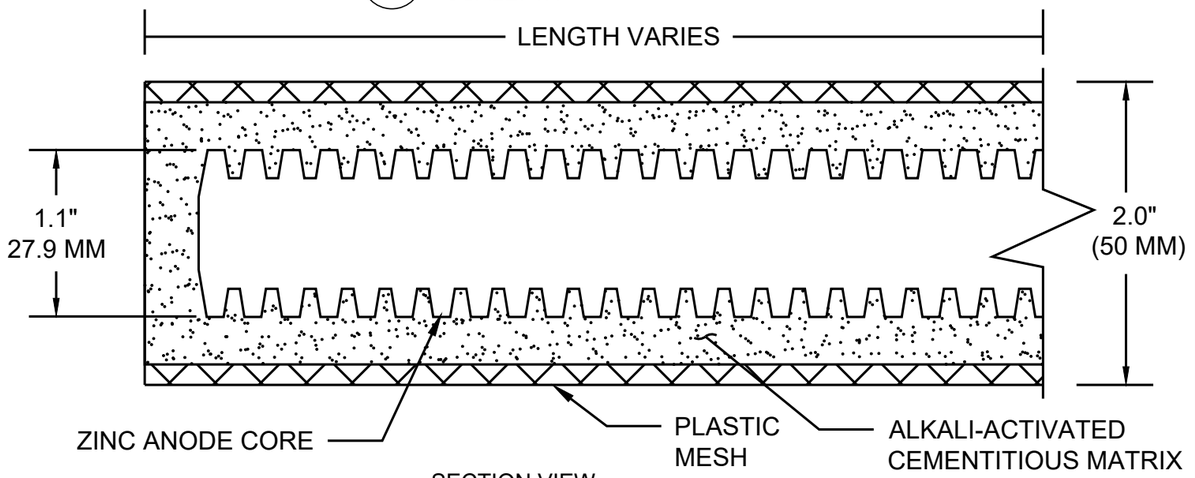
2 SECTION VIEW
TYPICAL GALVASHIELD® DAS ANODE
SCALE: 1:1



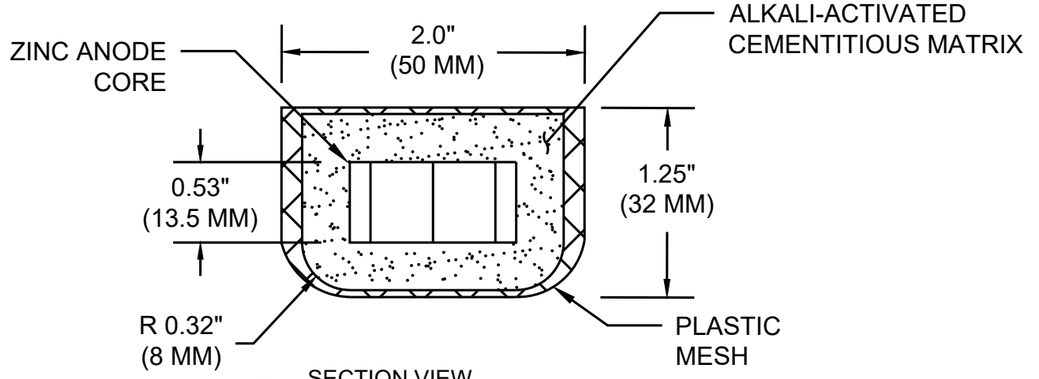
3 SECTION VIEW
TYPICAL GALVASHIELD® DAS ANODE
SCALE: 1:1



4 TYPICAL GALVASHIELD® DAS-X ANODE
SCALE: 1:1



5 SECTION VIEW
TYPICAL GALVASHIELD® DAS-X ANODE
SCALE: 1:1



6 SECTION VIEW
TYPICAL GALVASHIELD® DAS-X ANODE
SCALE: 1:1

DRAWING REVISIONS

#	DATE	BY	DESCRIPTION
1	3/23	LW	DAS UPDATE
2	4/23	LW	DAS-X UPDATE

VECTOR CORROSION TECHNOLOGIES

GALVASHIELD® DAS ANODE REPAIR LAYOUT AND CONNECTION DETAIL

GALVASHIELD® DAS ANODE SECTION DETAILS

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