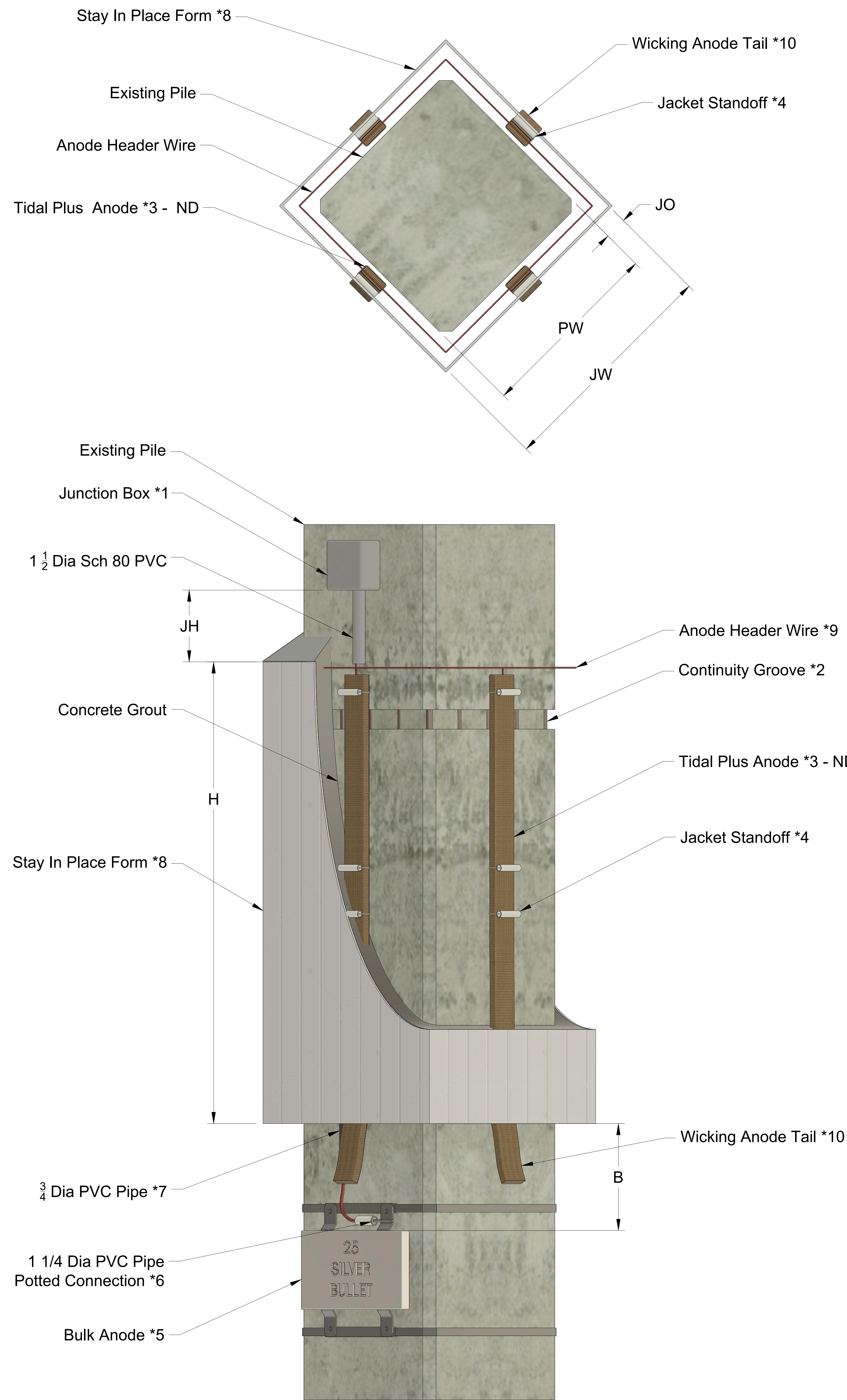


VECTOR GALVASHIELD TIDAL PLUS CATHODIC PROTECTION JACKET



ELEVATION VIEW

NOTES

*1 - Mount 6" x 6" x 4" Junction box at elevation "JH" with 316 stainless mushroom spikes. Install a minimum 1 1/2 dia sch 80 PVC conduit from bottom of junction box and extending inside the top limits of the jacket.

*2 - Create a continuity groove or use similar means to check for discontinuous reinforcement with in the pile using a multimeter. Piles with discontinuous steel shall be corrected. Submit the continuity correction method for approval. Make two cathode connections (not shown on drawing for clarity) on opposite faces with #10 AWG black copper stranded wire with HMWPE insulation by mechanical means (clamp, braze, etc.) to the reinforcing steel and coat each with 100% solids epoxy coating. Route black cathode connections to the junction box.

*3 - One Tidal Plus Anode per pile face attached to the concrete pile with spacers and connected within the jacket limits with the pair of integrated anode wires. The pair of anode wires will be routed in opposite directions and connected to the adjacent anode wires with twist connection creating an anode header wire. On opposite faces connect two #10 AWG red copper stranded anode wires with HMWPE insulation by mechanical means (clamp, braze, etc.) to the anode header wires at a twist connection and coat each with 100% solids epoxy coating. Route red anode wires to the junction box. Anodes longer than one meter will be supplied in multiple section with a continuous anode wire connection between anode segments.

*4 - Install jacket standoff's if required. Use appropriate size standoffs for the stay-in-place forms See Jacket Standoff detail.

*5 - Mount 25lb Silver Bullet bulk anode with 3/16 stainless steel banding at "B" elevation below the jacket

*6 - 25lb Silver Bullet anode - connection made with #8 AWG red copper stranded wire with HMWPE insulation brazed to the bulk anode 3/8 steel rod and potted in the PVC pipe with 100% solids epoxy.

*7 - Install a 3/4 dia PVC pipe from the bulk anode potted connection to a minimum 4" inside the bottom of the jacket limits. Terminate the bulk anode wire connection in the junction box by routing the bulk anode wire through this 3/4 dia PVC pipe and the inside of the jacket.

*8 - Stay-In-Place PVC form shall be grey in color and placed around the pile. Bottom is supported with a temporary baseplate (not shown) and the sides are braced to maintain the shape during grout placement. After grout has cured the baseplate and bracing can be removed and the outside surface of the PVC cleaned of any concrete mortar.

*9 - See DAS Anode Connection detail sheet for anode header wire connections

*10 - Wicking tail of the Tidal Plus anode to extend past the bottom of the jacket 8 inches.

Fill the jacket with either integrated pump tubes or pump ports staggered on opposite faces every 4ft.

Galvashield Tidal Plus Jacket Properties

ITEM	DESCRIPTION	INCHES
JW	Jacket Width	
PW	Pile Width	
JO	Jacket Overbuild	
H	Jacket Height	
B	Bulk Anode	
ND	Number of DAS Per Face	1



PROJECT

TITLE

APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	E			V1
DRAWN	SCALE	WEIGHT	SHEET 1/1	