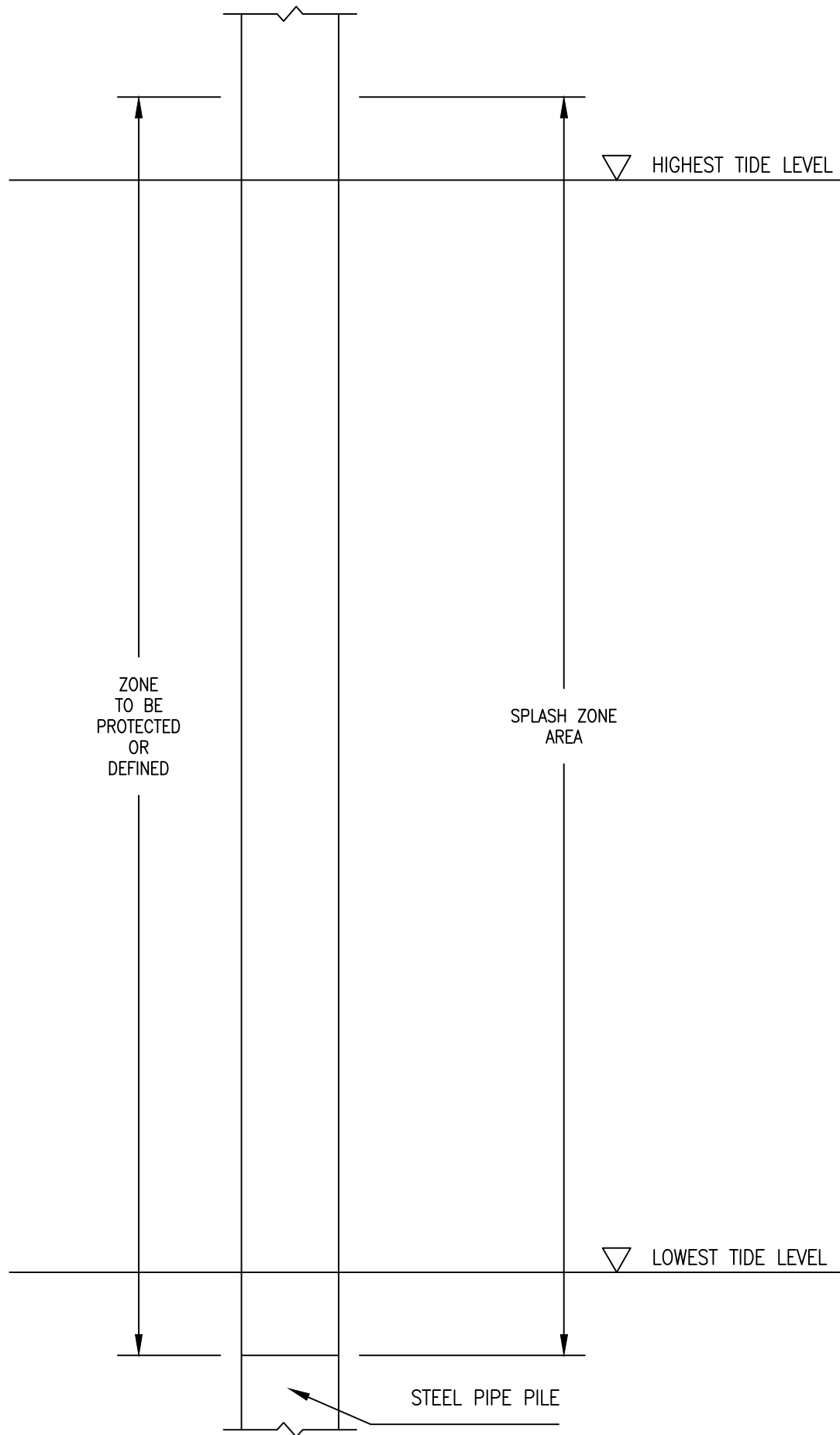
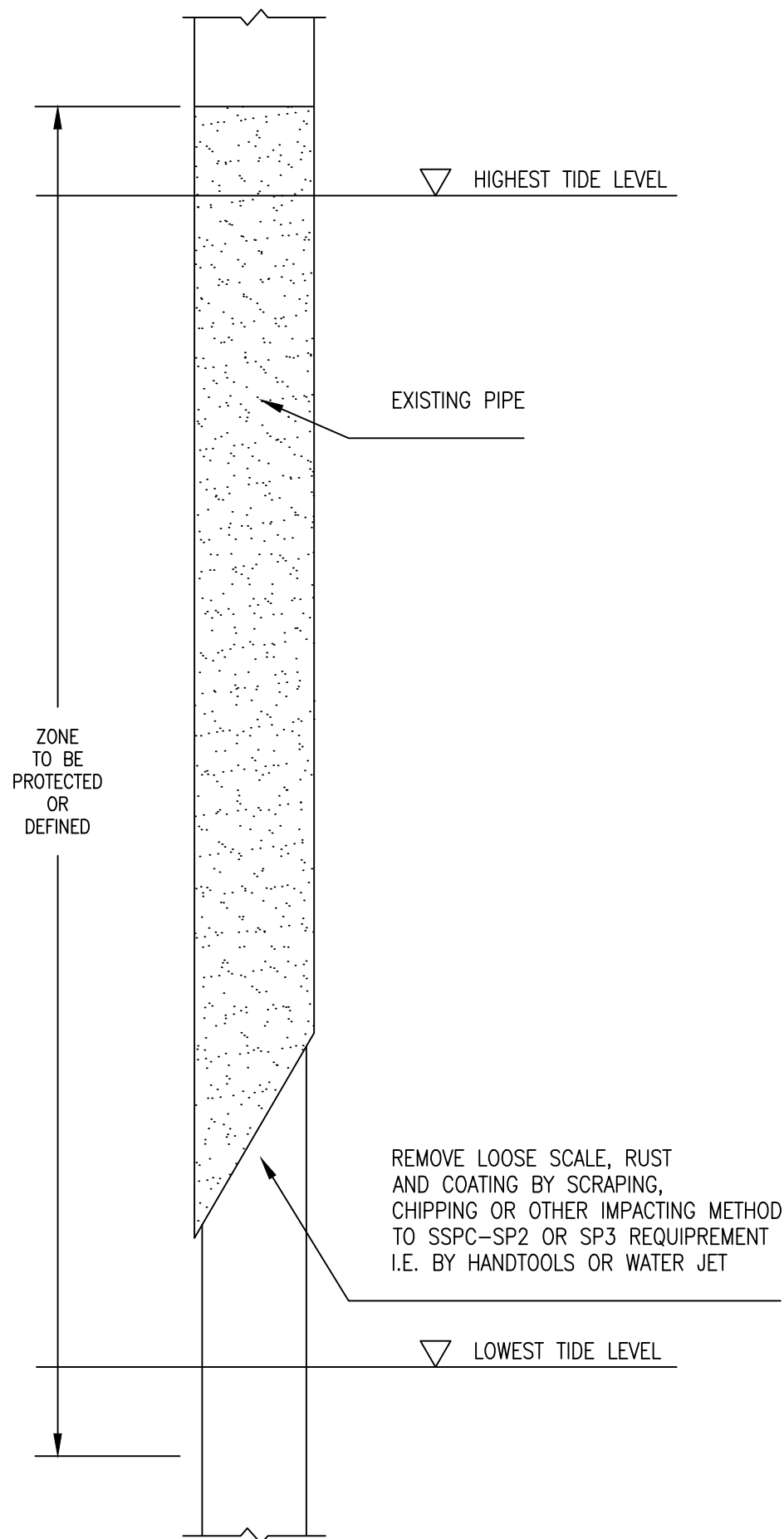


CORROSION PROTECTION OF THE STEEL PIPE PILE AT THE SPLASH ZONE
SPLASH ZONE DEFINITION



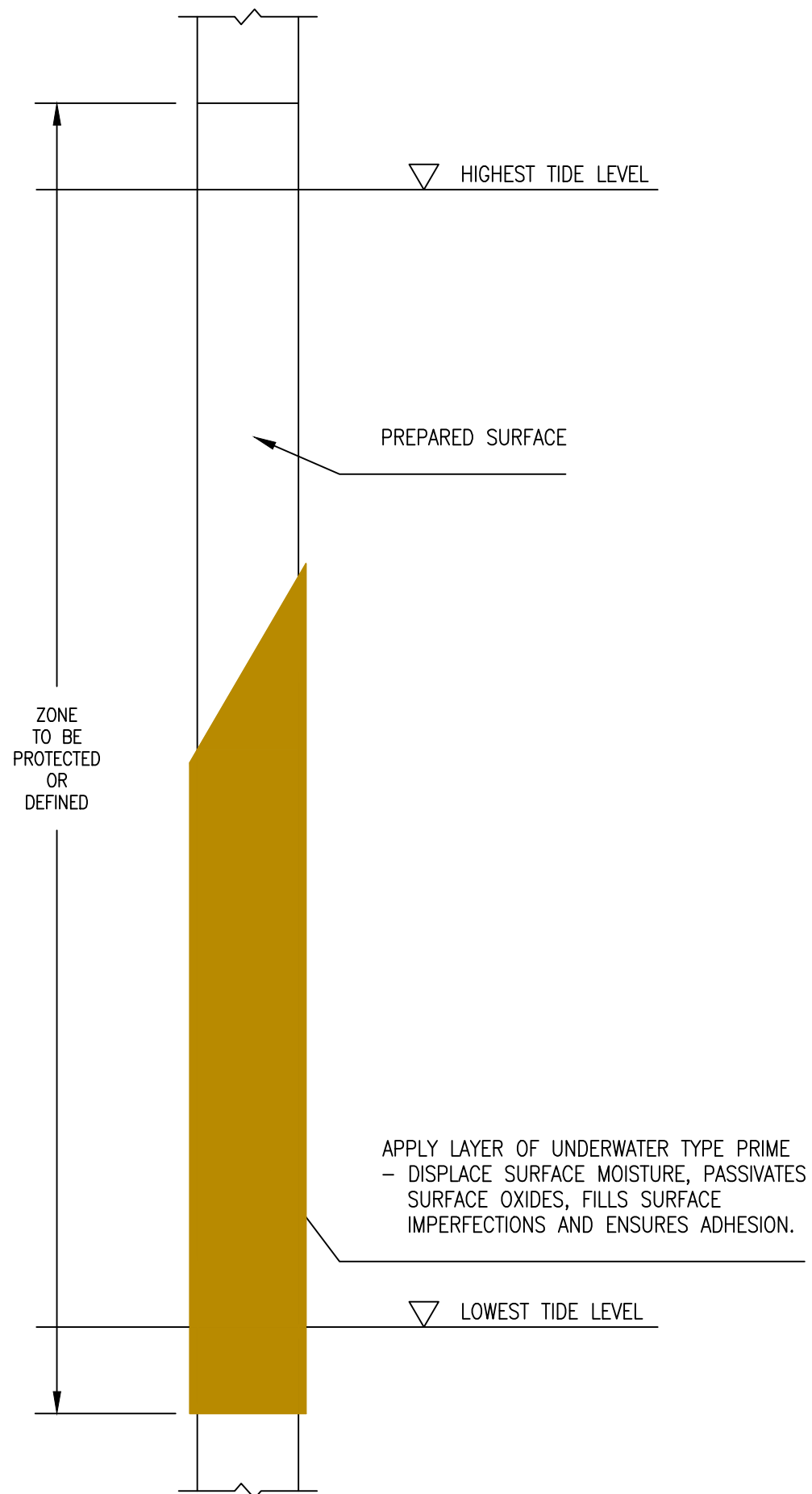
STEP 1: SURFACE PREPARATION



STEP 1 : SURFACE PREPARATION

1. SURFACE PREPARATION SHALL BE IN ACCORDANCE TO SSPC-SP2 OR 3 WHICH REQUIRES HAND OR POWER TOOL CLEANING TO REMOVE LOOSE MILL SCALE, RUST AND COATING BY HAND SANDING, SCRAPING, CHIPPING, WIRE BRUSHING, POWER GRINDERS, SANDERS OR IMPACT TOOLS.
2. MARINE GROWTH SHALL BE REMOVED. ALL PROTRUSIONS SHALL BE GROUND SMOOTH.
3. HIGH PRESSURE WATER JET CAN ALSO BE USED.

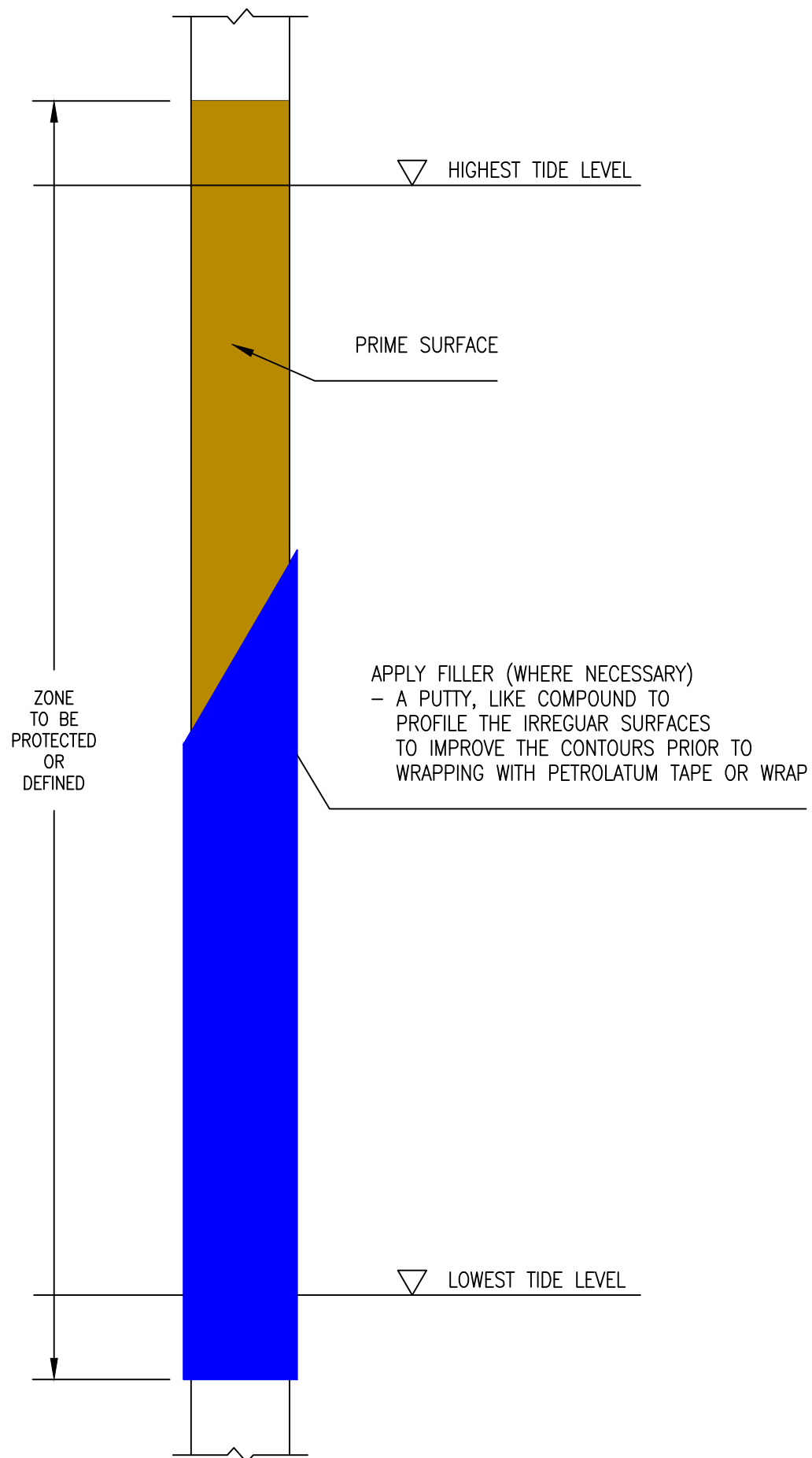
STEP 2: APPLICATION OF PRIMER



STEP 2 : APPLICATION OF UNDERWATER PRIMER

1. THE UNDERWATER PRIMER IS APPLIED TO DISPLACE SURFACE MOISTURE, PASSIVATES SURFACE OXIDES, FILLS SURFACE IMPERFECTIONS AND ENSURE ADHESION BETWEEN WRAP AND THE SUBSTRATE.
2. THE UNDERWATER PRIMER IS APPLIED TO THE PREPARED SURFACE BY GLOVED HANDS IN A CIRCULAR MOTION TO OBTAIN A THIN FILM OVER THE SURFACE ABOVE OR BELOW WATER.

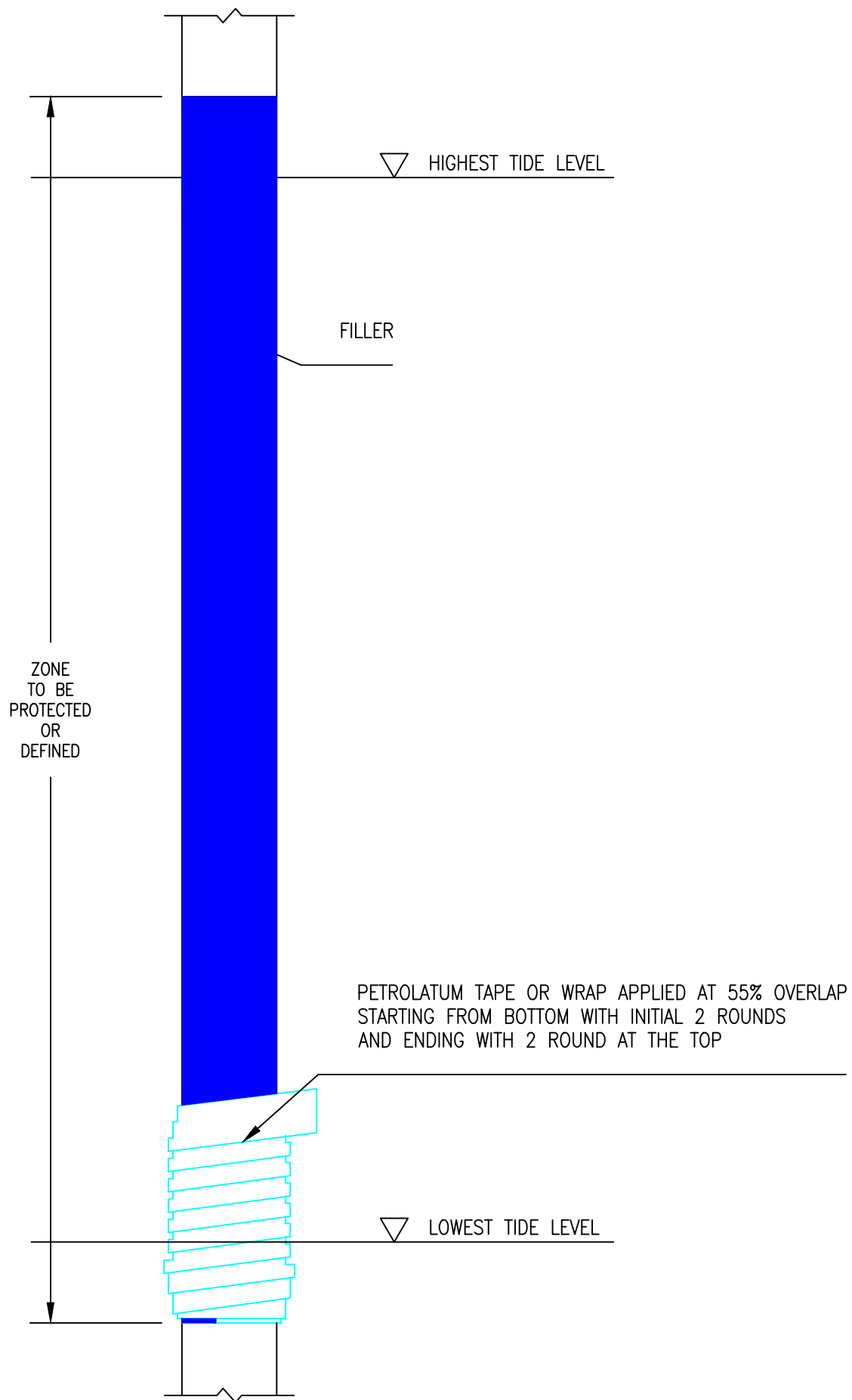
STEP 3: FILLER – ONLY FOR CAVITIES EXCEEDING 5mm



STEP 3 : APPLICATION OF FILLER

1. FILLER IS A PUTTY-LIKED COMPOUND USED FOR PROFILING THE SURFACE TO BE WRAPPED.
2. CAVITIES THAT CAN NOT BE COVERED BY THE PRIMER SHALL BE PROPERLY PROFILED USING THE FILLER.

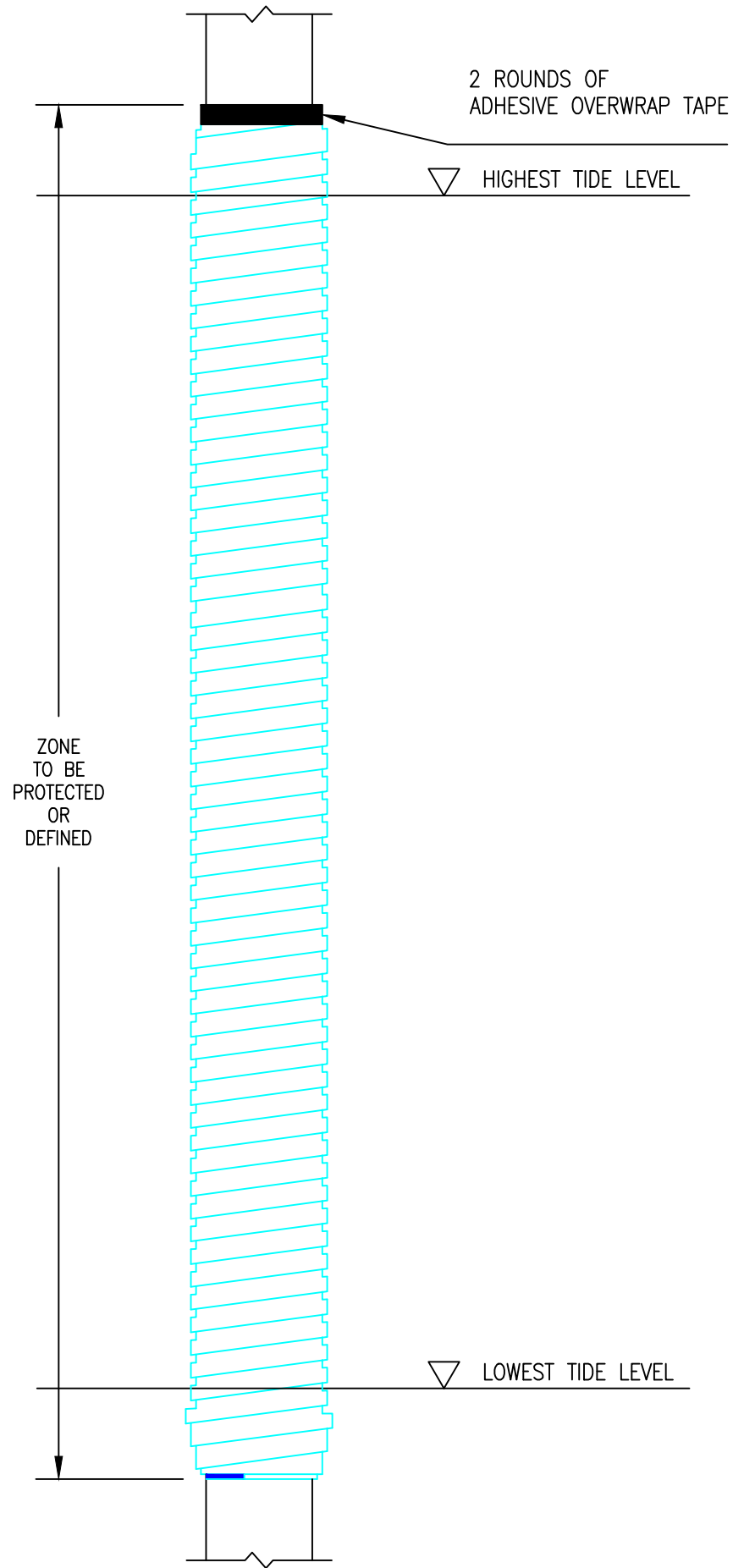
STEP 4: PETROLATUM TAPE OR WRAP



STEP 4 : APPLICATION OF PETROLATUM TAPE

1. THE TAPE SHALL BE INSTALLED FROM BOTTOM UPWARDS WHERE PRACTICABLE
2. FROM THE BOTTOM, THE TAPE SHALL HAVE A DOUBLE TURN AND THEN SPIRALLY WRAPPED ROUND THE PILE WITH A 55% OVERLAP. (IN THE CASE OF A DOUBLE LAYER REQUIREMENT)
3. THE TAPE SHALL BE SMOOTHENED AS THE WRAPPING PROGRESS. TO EXPEL WATER AND AIR THAT ARE TRAPPED DURING THE WRAPPING PROCESS.
4. AT THE TOP OF THE AREA, THE TAPE IS AGAIN GIVEN A DOUBLE TURN.

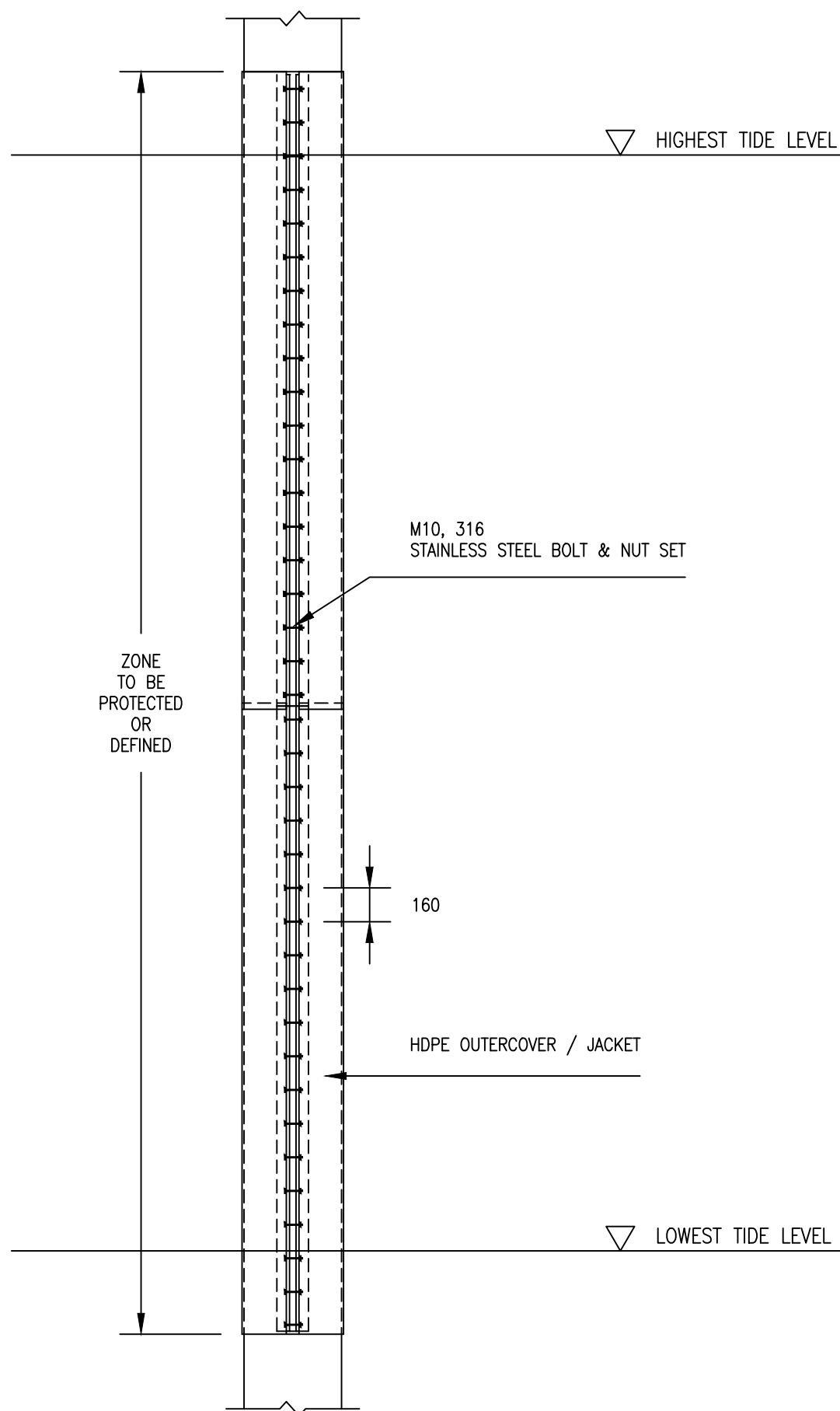
STEP 5: ADHESIVE OVERWRAP TAPE



STEP 5 : APPLICATION OF PVC ADHENSIVE TAPE

1. AT THE TOP, THE PETROLATUM TAPE IS PROTECTED BY 2 ROUND OF, A PVC PRESSURE-SENSITIVE OVERWRAP.

STEP 6: HDPE OUTERCOVER / JACKET

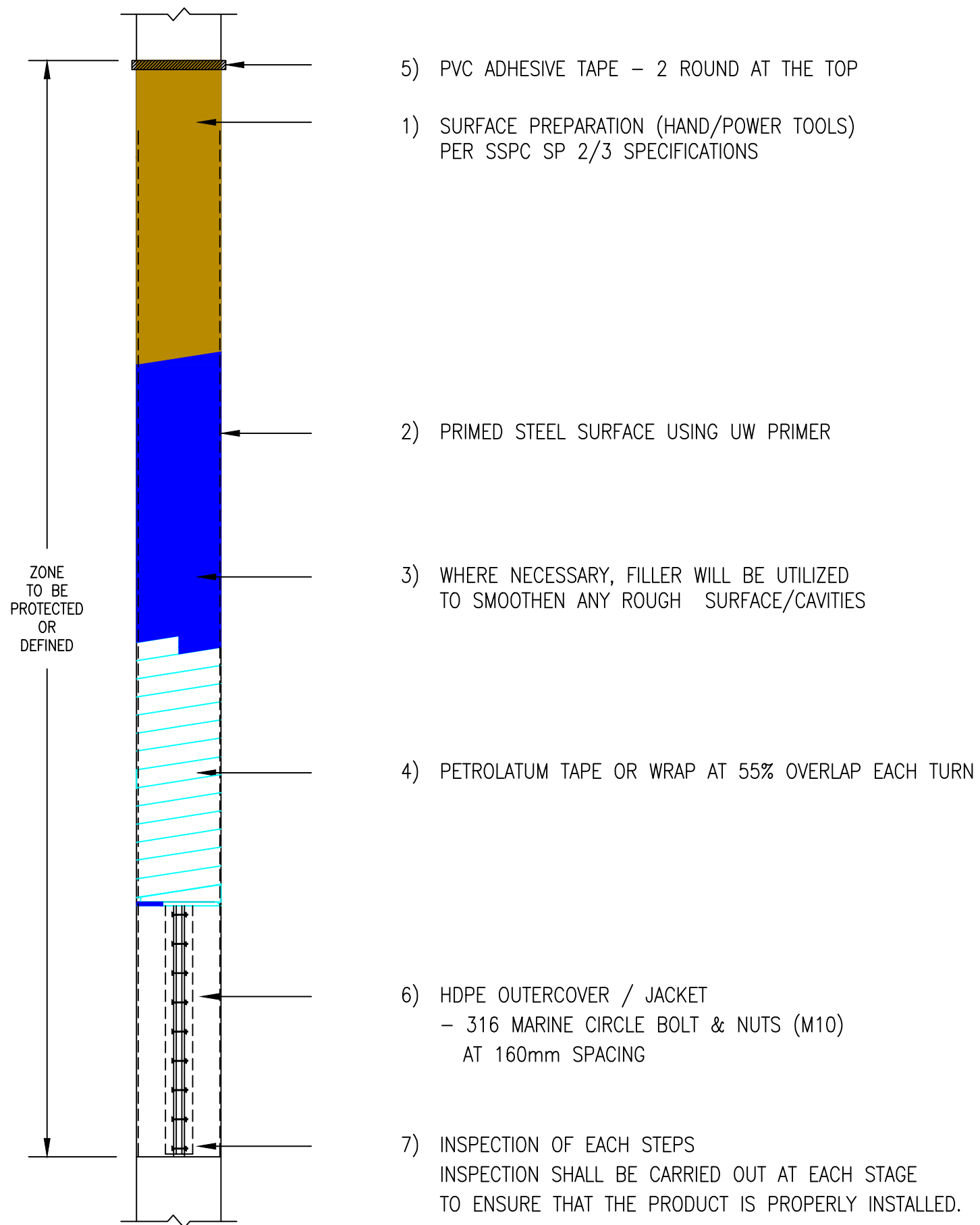


STEP 6 : APPLICATION OF HDPE OUTERCOVER

1. POSITION THE HDPE OUTERCOVER AROUND THE PILE CIRCUMFERENTIALLY STARTING WITH THE BOTTOM SHEET.
2. FIX THE HDPE OUTERCOVER USING A TEMPORARY FASTENER.
3. FIX THE FIRST INSTALLATION CLAMPS TO THE MIDDLE SECTION OF THE OUTER COVER AND SLIGHTLY TIGHTEN THE CLAMP TO PLACE THE OUTERCOVER IN THE RIGHT POSITION.
4. FIX THE REMAINING OF THE REQUIRED INSTALLATION CLAMPS TO THE TOP AND BOTTOM SECTION OF THE OUTERCOVER AND SLIGHTLY TIGHTEN THE CLAMPS TO PLACE IN POSITION
5. USING THE HYDRAULIC PUMPS TO CLOSE THE INSTALLATION CLAMPS AND FIX THE HDPE OUTERCOVER. PUT IN POSITION THE BOLT AND NUTS SETS AND TIGHTEN ACCORDINGLY.
6. REMOVE THE CLAMPS AND INSTALL THE REMAINING BOLT AND NUT SETS ACCORDINGLY.

CORROSION PROTECTION OF STEEL PIPE PILE AT THE SPLASH ZONE

INSTALLATION DETAILS



STEP 7 : INSPECTION OF EACH STEP

1. INSPECTION SHALL BE CARRIED OUT AT EACH STAGE
TO ENSURE THAT THE PRODUCT IS PROPERLY INSTALLED.
2. ALL INSTALLATIONS SHALL BE INSPECTED AND INSPECTION CHECKLIST
SHALL BE SUBMITTED FOR RECORDS WITH PHOTOGRAPHS