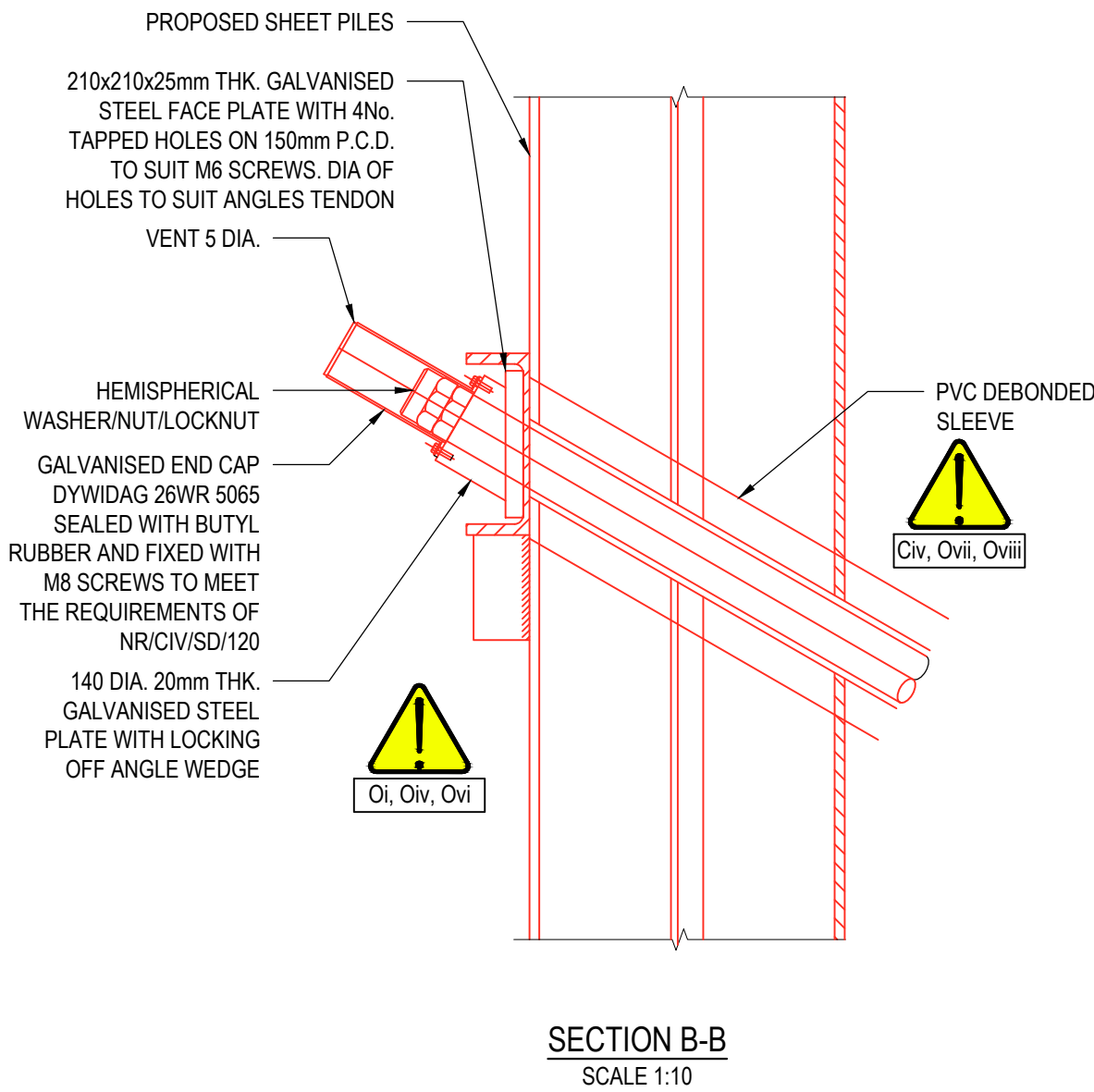
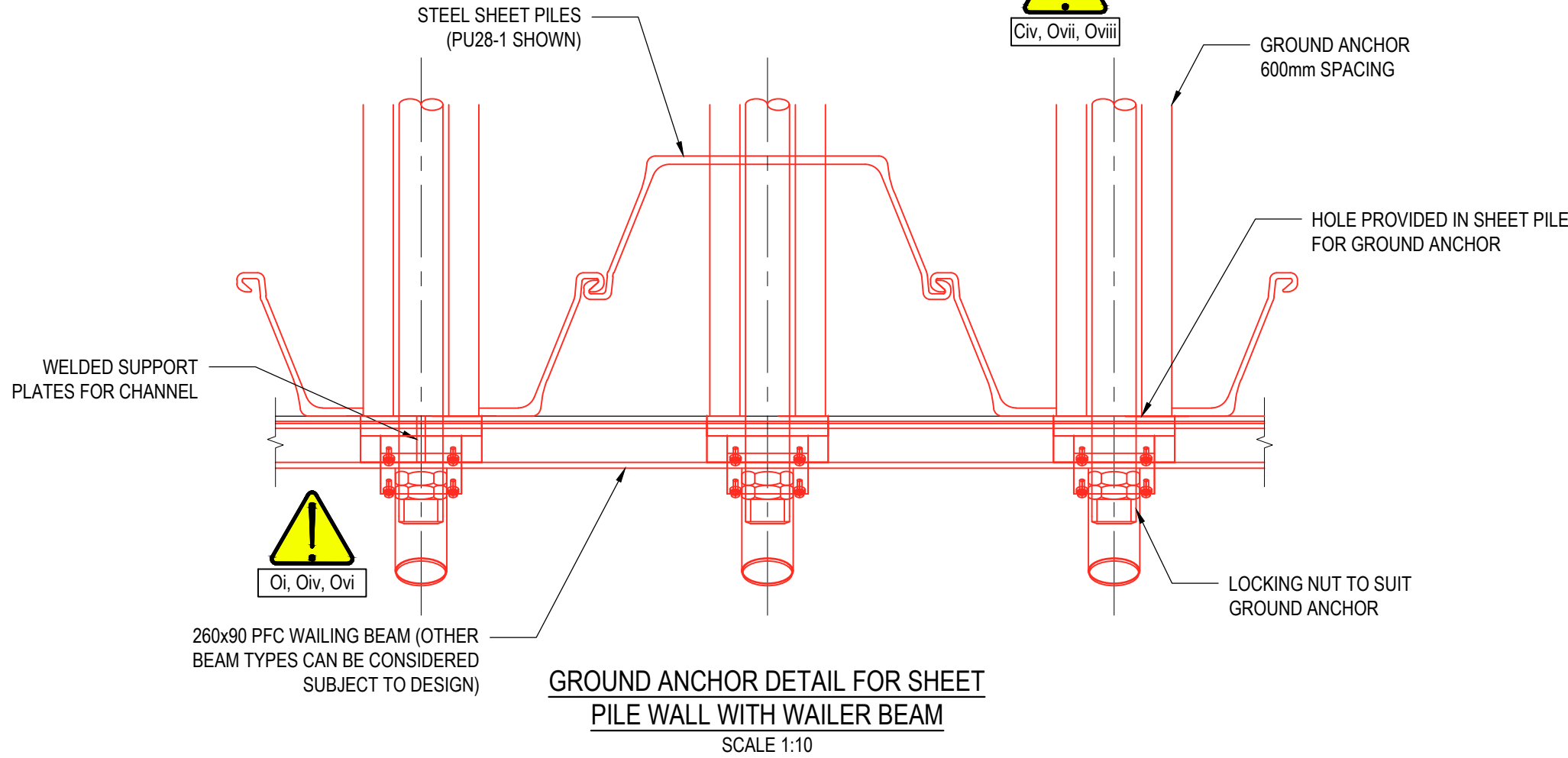
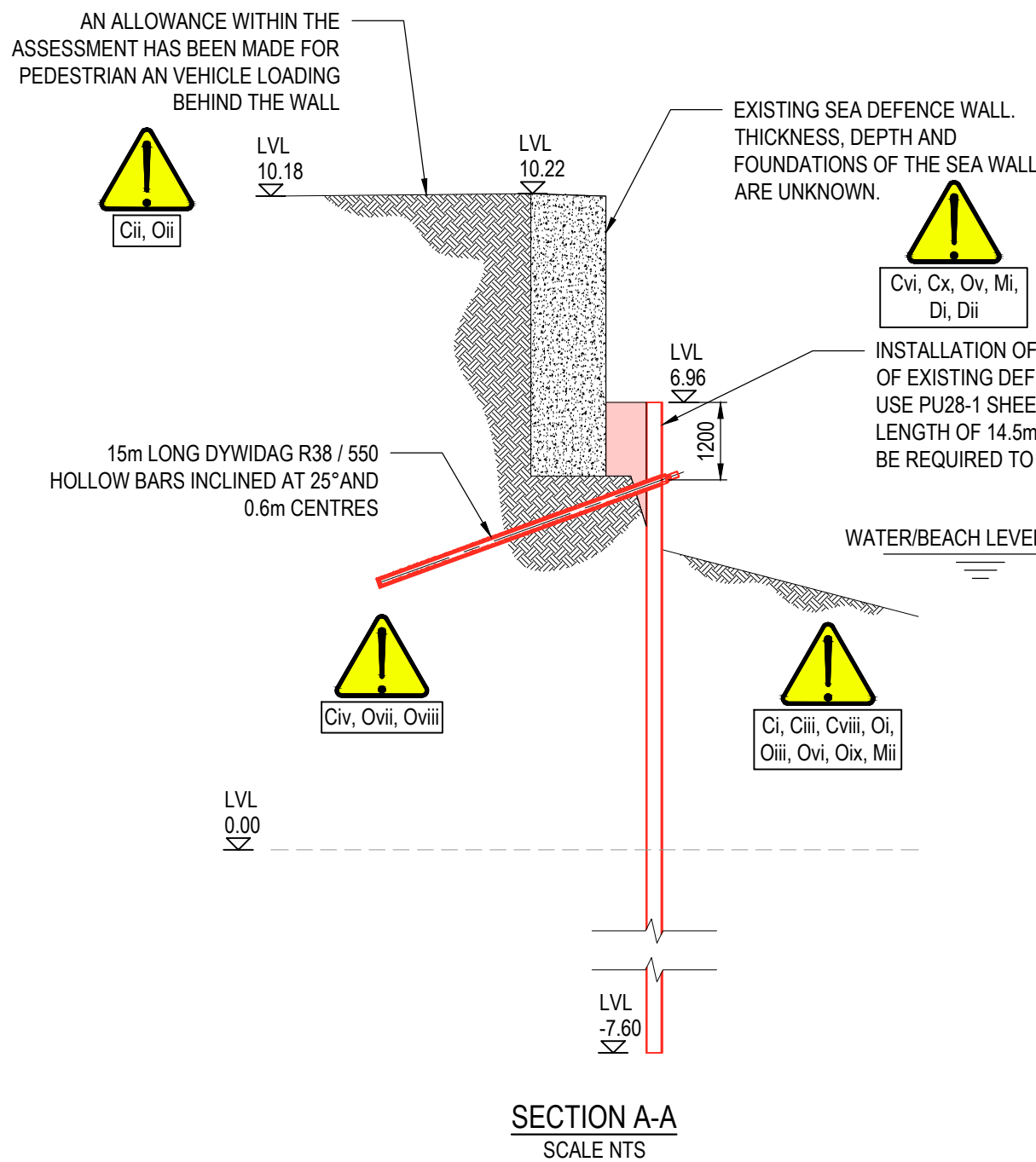
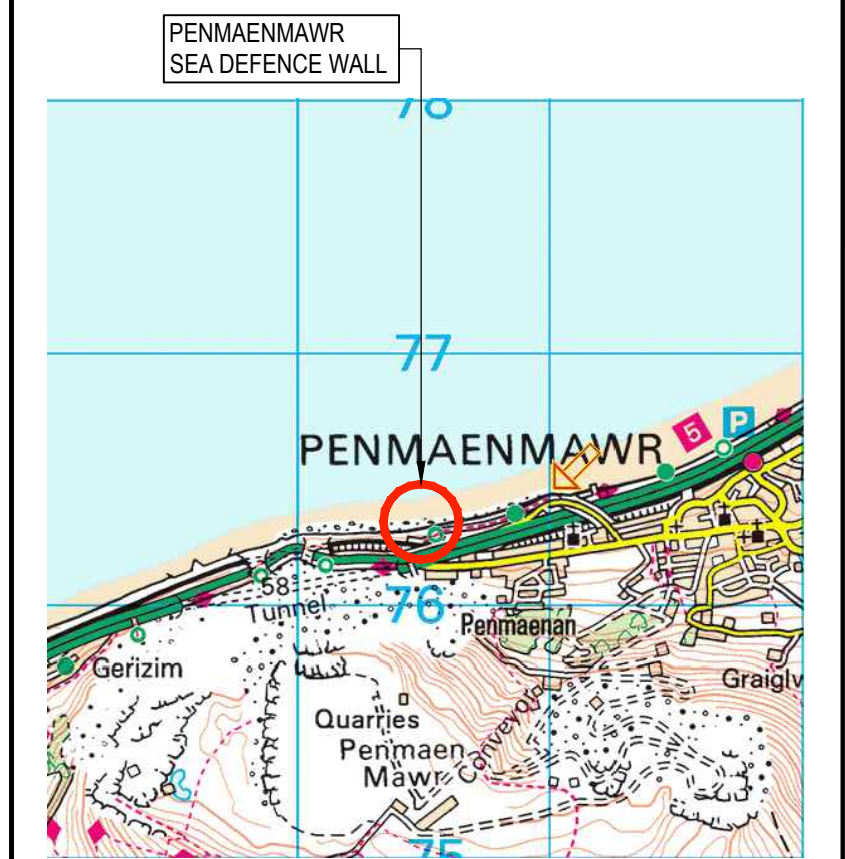


- NOTES
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
 - ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM UNLESS NOTED OTHERWISE
 - ALL DIMENSIONS AND LEVELS SHALL BE CHECKED ON SITE PRIOR TO ANY WORKS BEING PUT IN HAND
 - THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE EXISTING STRUCTURE AT ALL TIMES DURING THE WORKS
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND RELEVANT STRUCTURAL SPECIFICATIONS
 - ANY DISCREPANCIES BETWEEN THE INFORMATION GIVEN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AS SOON AS POSSIBLE
 - ALL MATERIALS USED IN THE WORKS SHALL BE TO BRITISH STANDARDS OR OTHER APPLICABLE SPECIFICATIONS
 - ALL WORK IS TO BE CARRIED OUT TO B.S. CODES OF PRACTICE AND IN ACCORDANCE WITH GOOD WORKMANSHIP PRACTICE
 - ALL PROPRIETARY MATERIALS USED IN THE WORKS SHALL BE USED IN COMPLETE ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS
 - ALL BURIED, SURFACE AND OVERHEAD SERVICE INFORMATION CONTAINED WITHIN THIS DRAWING IS SHOWN INDICATIVELY. THE SERVICES SHOWN MAY NOT REPRESENT THE ENTIRETY OF ALL SERVICES THAT MAY BE ENCOUNTERED. ALL SOURCE INFORMATION SHOULD BE REFERRED TO PRIOR TO UNDERTAKING WORKS ON SITE. CROUCH WATERFALL ACCEPT NO RESPONSIBILITY FOR OMISSIONS OR ERRORS IN THE POSITIONING OF THE SERVICES PRESENT ON SITE. REFER TO ALL RELATED ENGINEERING DRAWINGS, FORMS AND SPECIFICATIONS FOR FURTHER INFORMATION. REFER TO THE RESIDUAL DESIGNERS RISK ASSESSMENT FOR ACTIONS TO MINIMISE AND MITIGATE RISK ASSOCIATED WITH KNOWN AND UNKNOWN SERVICES ON SITE
 - FOR GENERAL NOTES, PLEASE REFER TO DRAWING "24088W-001-P01"



COMMENT

INDICATIVE MAINTENANCE FOR ANCHORED SHEET PILED WALL (ONLY RELEVANT FOR ANCHORS NOT ENCASED IN CONCRETE)

GENERAL ASPECTS

- THE PROPOSED SYSTEM DOES NOT REQUIRE REGULAR MAINTENANCE
- OVER THE MEDIUM-TERM OF THE DESIGN LIFE THE STRUCTURE MAY UNDERGO IN A LOSS OF TENSION OF SOME OF THE ANCHORS AND A RE-TENSIONING PROGRAMME MAY NEEDED TO BE CONDUCTED.

MAINTENANCE STRATEGY

EVERY 20 YEARS:

- EXAMINE FOR CORROSION OF ANCHORS COMPONENTS SUCH AS HEAD PLATES AND NUTS PLUS REPLACE ANY CORRODED COMPONENT WHERE NEEDED.
- CHECK FOR RESIDUAL TENSION IN GROUND ANCHORS AND RETENSION WHERE NEEDED. REFERENCE MUST BE MADE TO THE PROPOSED DESIGN NOMINAL VALUE (15kN) BEFORE DEFINING RE-TENSIONING LOADS.

AT 40 AND 80 YEARS:

- EXAMINE FOR CORROSION OF ANCHORS COMPONENTS SUCH AS HEAD PLATES AND NUTS PLUS REPLACE ANY CORRODED COMPONENT WHERE NEEDED.
- CHECK FOR RESIDUAL TENSION IN GROUND ANCHORS AND RETENSION WHERE NEEDED. REFERENCE MUST BE MADE TO THE PROPOSED DESIGN NOMINAL VALUE (15kN) BEFORE DEFINING RE-TENSIONING LOADS.
- ACCEPTANCE TESTING TO BE UNDERTAKEN ON WORKING ANCHORS (MIN 20% OF ANCHORS) AND RESULTS TO BE REPORTED TO A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER WHO IS TO DECIDE, BASED ON THESE RESULTS, ON POTENTIAL ADDITIONAL WORKS SUCH AS ADDITIONAL ANCHOR TESTING AND ANCHOR REPLACEMENT.

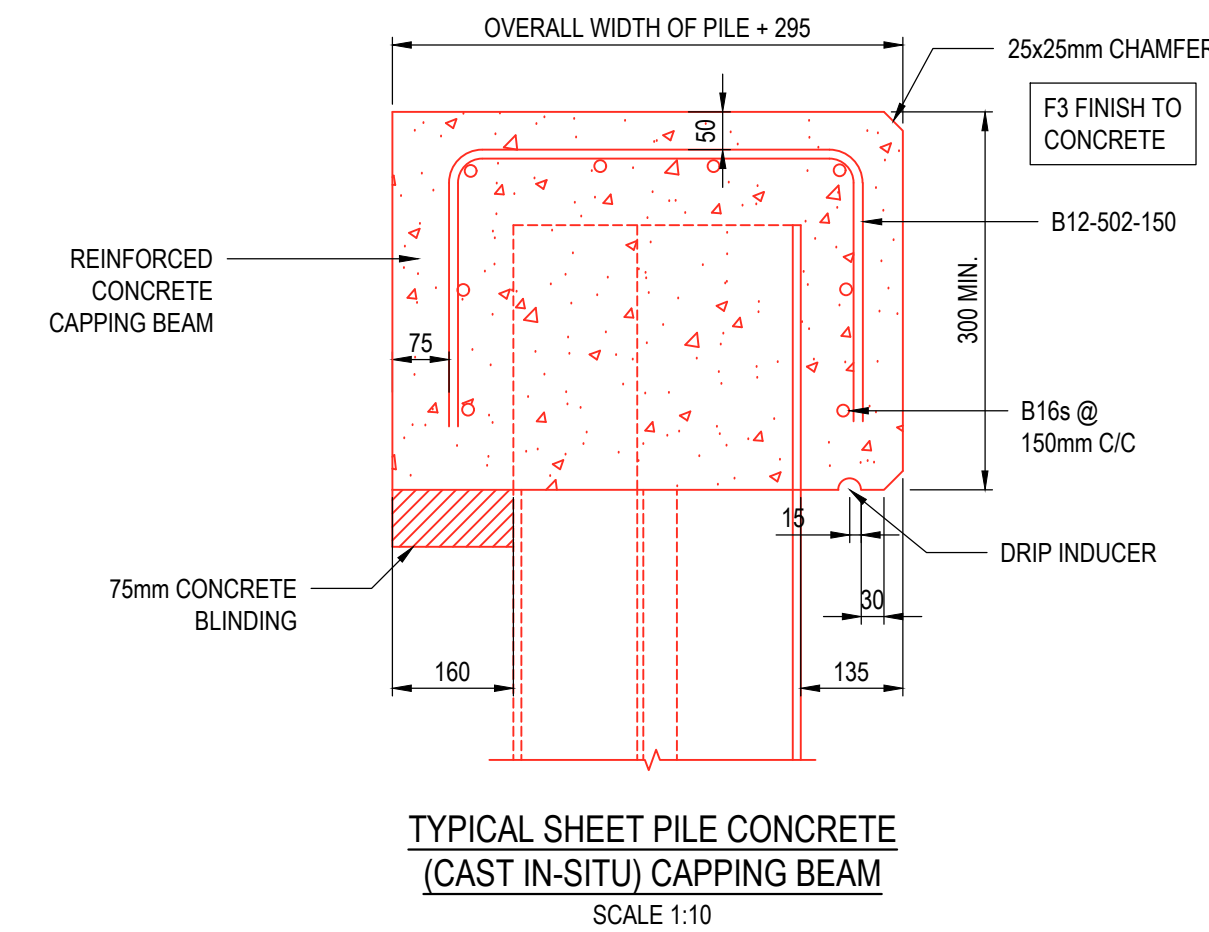
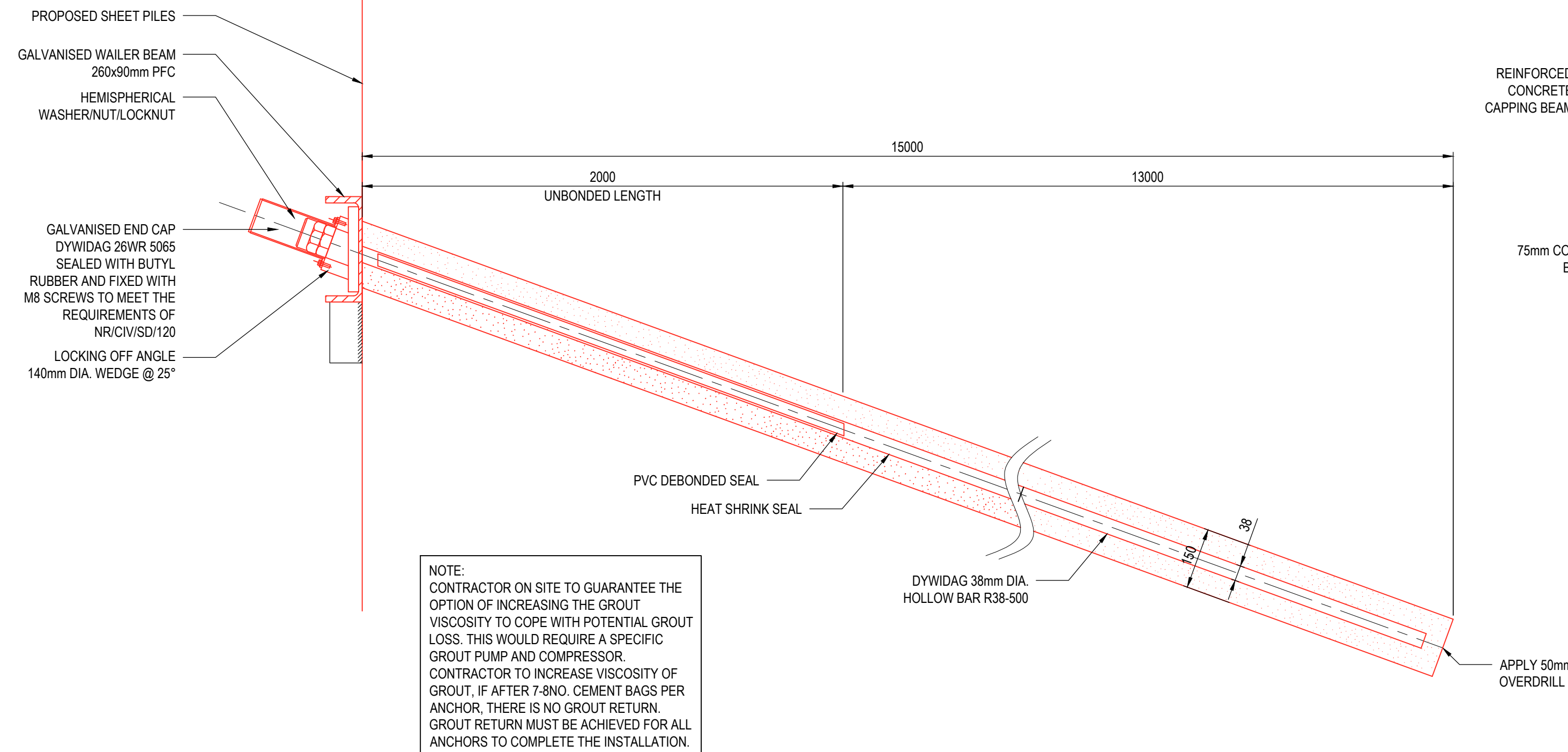
ANY MAINTENANCE STRATEGY SHALL CONSIDER ACCESS, TRACK PROTECTION, MACHINERY USED, REMOVAL OF EXISTING VEGETATION AND A SEPARATE DESIGNER'S RISK ASSESSMENT.

STEELWORK

- STEELWORK TO BE GRADE S275 (UNLESS NOTIFIED OTHERWISE) IN ACCORDANCE WITH EN 1993-1 AND BS EN 10025.
- ALL STEELWORK EXCEPT SHEET PILES TO BE HOT DIP GALVANISED TO BS EN ISO 1461 TO ACHIEVE A COATING THICKNESS = 85 MICRONS.
- ALL WELDING WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH BS EN 1011.

GROUT

- CEMENTITIOUS GROUT FOR SOIL ANCHOR INSTALLATION SHALL HAVE A MINIMUM CUBE STRENGTH OF 40N/mm² (28 DAYS). WATER/CEMENT RATIO NOT TOO EXCEED .45. GROUT CUBE SAMPLES (3No.) ARE TO BE TAKEN AND TESTED INITIALLY EVERY 5TH SOIL ANCHOR INSTALLATION.



P01	FOR REVIEW AND COMMENT	HD	BC	VF	23/08/2024
REV	AMENDMENT	DRN	CHK	APP	DATE

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CLIENT

MPH
CONSTRUCTION

PROJECT TITLE

PENMAENMAWR SEA DEFENCE WALL

DRAWING TITLE

PROPOSED SECTIONS AND DETAILS

DRAWN	CHK	APP	DATE	SCALE
HD	BC	VF	OCT '24	AS SHOWN AT A1
JOB NUMBER	DRAWING NUMBER	REVISION		
24088W	003	P01		