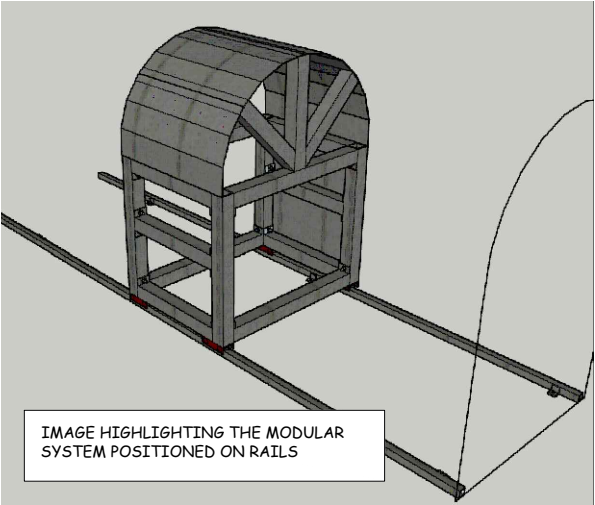
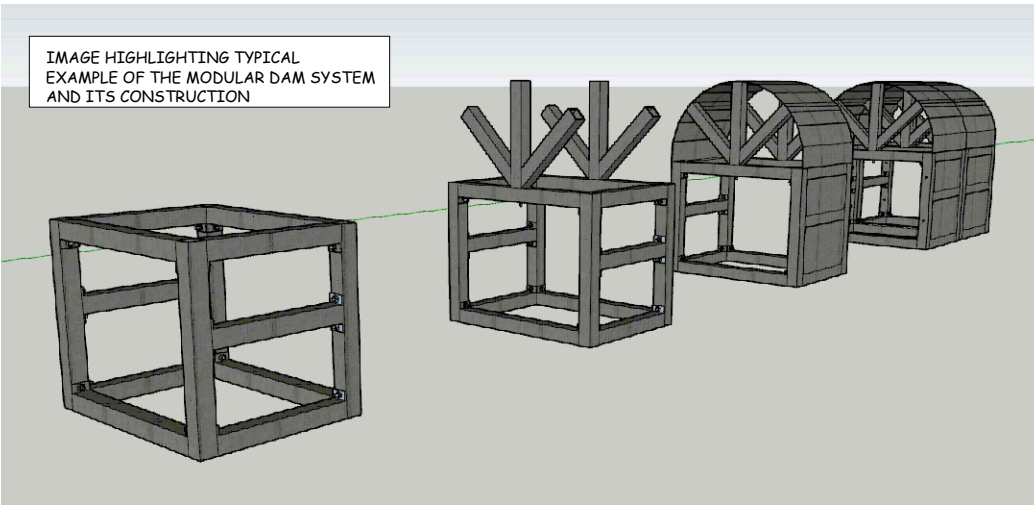
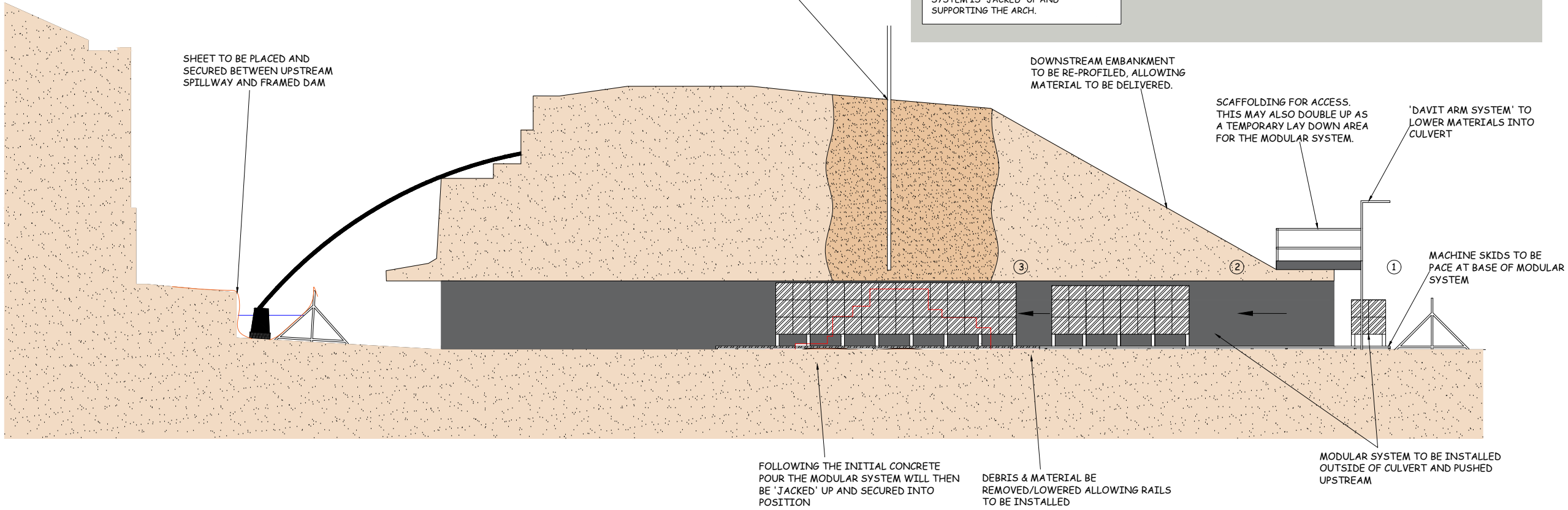


SECTION DRAWING - HIGHLIGHTING PROPOSAL #2

- NOTES:
- FOLLOWING THE REMOVAL OF DEBRIS, OPERATIVES WILL PROCEED TO INSTALL THE SECOND RAIL SYSTEM.
 - THE RAIL WILL ONCE AGAIN BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM, AND FROM WITHIN THE MODULAR SYSTEM.
 - THE RAILS WILL ONCE AGAIN BE INSTALLED IN PIECEMEAL FASHION. EACH SECTION WILL BE DRILLED AND FIXED INTO THE INVERT. AS A RESULT OF SCOUR AND SUBSEQUENT REDUCED INVERT LEVELS, LONGER THREADED BAR MAY BE REQUIRED.
 - WHEN THE MODULAR SYSTEM SPANS THE ENTIRE COLLAPSED SECTION, OPERATIVES WILL THEN PROCEED TO REMOVE THE DEBRIS. ENOUGH DEBRIS WILL NEED TO BE REMOVED IN ORDER TO ACHIEVE THE REQUIRED CONCRETE DETAIL.
 - CONCRETE WILL THEN BE PLACED WITHIN THE STRUCTURE, ENSURING IT FLOODS THE SCoured AREA AND A SECTION OF COLLAPSED INVERT.
 - FOLLOWING A SUFFICIENT CURING PERIOD, THE MODULAR SYSTEM WILL BE 'JACKED' UP OFF THE CONCRETE. OPERATIVES WILL ENSURE THAT A SUFFICIENT HEIGHT IS REACHED, AND THAT THE ARCH IS SUFFICIENTLY SUPPORTED.
 - IF REQUIRED, THE SYSTEM COULD ALSO BE BRACED FROM THE SOUTH WEST ABUTMENT, REDUCING THE 'MAKE UP' DETAIL BETWEEN THE ABUTMENT AND MODULAR SYSTEM.
 - FOLLOWING THE BRACING AND SECURING OF THE MODULAR SYSTEM, OPERATIVES WILL PROCEED TO PLACE ADDITIONAL SHUTTERING /SANDBAGS TO AREAS SURROUNDING THE SYSTEM, ENSURE NO CONCRETE PERMEATES THROUGH THE INTERSECTION BETWEEN THE INSITU MASONRY AND SYSTEM (SHUTTER).
 - CONCRETE WILL THEN BE PUMPED DOWN THE SINK HOLE AND INTO THE CULVERT.
 - FOLLOWING A SUFFICIENT CURING TIME, FURTHER CONCRETE WILL BE PLACED WITHIN THE SINK HOLE. DUE TO THE EXTENTS AND OVERALL HEIGHT OF THE CONCRETE (>2.0M) A MINIMUM OF 3 POURS ARE ANTICIPATED.
 - THE CONCRETE WILL ENCOMPASS THE CULVERT ENSURING A SUFFICIENT COVER LEVELS HAS BEEN OBTAINED.
 - FOLLOWING A SUFFICIENT CURING PERIOD THE MODULAR SYSTEM ALONG WITH THE RAILS WILL BE REMOVED. THE SECTIONS OF THE RAILS ENCOMPASSED WITH CONCRETE WILL BE CUT BACK FLUSH TO THE INVERT AND REPAIRED WITH FAST ACTING GROUT.
 - OPERATIVES WILL THEN PROCEED TO REMOVE THE PUMPS, FOLLOWED BY THE SILT CURTAIN AND FRAME DAM SYSTEM.
 - THE COMPOUND WILL THEN BE DEMOBILIZED



LEGEND:

NOTES:

Rev	Date	By	Rev Description
Drawing Status:			
FOR INFORMATION ONLY			

CLIENT:
SWANSEA CITY COUNCIL

PROJECT REF:
ECI - MORFA CULVERT

DRAWING TITLE:
SECTION DRAWING # 2

DRAWING NUMBER:
NO. 4

ISSUE DATE: N/A	SCALE: NTS
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